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VOLUME TWENTY, NO. 496, FRIDAY, JANUARY 25, 1935

PRINCIPAL CONTENTS

Mascagni's New Opera

Not for some considerable time has any operatic broadcast been awaited with so much eager anticipation as that which makes the coming week notable in broadcasting annals. Mascagni's new opera Nero had its first performance at La Scala Theatre, Milan, last Wednesday week ; the first broadcast is arranged for Sunday next, January 27, and that is to be followed by another on Thursday-both of them from La Scala, and both conducted, as the first performance was, by the composer himself. That alone lends the broadcast a distinction which a composer's direction of his own music does not always give. Mascagni has long enjoyed the success as a conductor -of other music as well as his own-which only a born leader of his fellows can achieve. Our older readers may remember the profound impression he made with La Scala orchestra a generation ago, when he took it on tour in Europe. The standard of per-formance at the Milan Opera House, moreover, is one which makes any broadcast from it an event, rather than a mere incident, in the wireless listeners' calendar : opera that has a sense of unity, an air of being one complete whole, in which solo voices, orchestra, and chorus blend their several tasks in a spirit. of team-work for the opera's sake, and not, as can so easily happen, for their separate glorification.

On another page will be found articles on Mascagni and the opera itself, with an outline of the story and a note of the principal singers in the cast: their names are sufficient of themselves to ensure the discerning listeners' interest in advance. It is the opera itself, however, and its appearance when the composer has reached the age of seventy-one, which have captured the world's interest even in advance of its production. On a bigger scale than previous works, and conceived in a more heroic spirit, it inevitably evokes comparison with Verdi's masterpieces, Otello and Falstaff, both produced after he might well have retired to an old age of honourable ease.

Mascagni's career, however, has been a more romantic, if less uniformly successful, one than Verdi's, although in his own country he has all along enjoyed more of the limelight of public affection and esteem than the rest of the world has shed on him. He has borne his full share of the hardship and struggle which lie in wait for genius.

But at the age of only twenty-five, fame and good fortune came to him as with the stroke of a fairy godmother's wand. His *Cavalleria Rusticana* won the first prize in a competition organised by one of the Italian publishers, and before long made its way all over the world with a swift and unvarying success for which musical history has few parallels.

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SUBSCRIPTION RATES 12 months Inland and Canadian 18s. 2d.	
12 months (Foreign), £1 0s. 6d.	
Other periods pro rata. Prices include postage	
Subscriptions to Publishing Dept., Broadcasting H London, W.1, or 8-11, Southampton St., London, V	V.C.2

None of his later operas—and he has been an industrious composer—has won anything like the world-wide renown of that first achievement, and only few of them have made their way abroad. But in his own country he has always held the position which makes the Italian term "Maëstro" one of much more than merely conventional respect : elsewhere, it may be, this new big work of his may seem to raise him, for a second time, from something like obscurity. His countrymen think of it rather as the crowning achievement, as yet, of a long and honourable career of service to Italian music.

Via Ether

A Broadcasting Première THE outstanding, event in next week's broadcasting is without a doubt the relay by the Italian stations from La Scala, Milan, on SUNDAY and THURSDAY of Mascagni's latest opera, Nero. It was only on the sixteenth of this month that this opera had its first performance at La Scala, and the Italian broadcasting authorities are to be congratulated on having arranged these broadcasts so soon after the première. Moreover, a number of European and many American stations are participating in both relays, and one is prompted to ask oneself how long in prebroadcasting days it would have been before the world at large would have had an opportunity of hearing this new work. Technically and acoustically, transmissions from La Scala are almost perfect, and in view of the glowing reports which have been received of the first performance, Sunday's and Thursday's relays should prove historic occasions in the world

**

More Ice Hockey Broadcasts

* *

of music.

Lovers of winter sport will be interested in the announcement made by the Swiss and Vienna stations that at 6.30 p.m. on SUNDAY they will relay the final scene from the International Ice Hockey Championship in Davos. I shall endeavour to listen to this transmission viâ Vienna, in order to hear the recital which one of the finest baritones of the day, Emil Schipper, is giving there at 7 p.m. Sunday's German National transmission at 8.30 consists of works of modern composers, Paul Graener and Max Reger. Finally, at 9.35, the Maëstricht Municipal Orchestra is to be heard from Huizen. Frank Titterton is the soloist on this occasion. Earlier in the day, at 1.30, Paris PTT and Strasbourg are to relay Massenet's Don Quixote from the Opéra-Comique: Once again we are to have two broadcasts of one and the same symphony in the course of the week. Bruckner's Fifth is to be transmitted from Huizen and Berlin on TUESDAY and WEDNESDAY respectively, and Tchaikovsky's Third from Stockholm and Hilversum on WEDNESDAY and SATURDAY respectively. Several operatic broadcasts, apart from Mascagni's *Nero*, deserve special notice. On FRIDAY Prague is to relay Janáček's Jenufa: On SATURDAY the Deutschlandsender brings a relay of Adam's Le Postillon de Longjumeau, and from Rome we are to hear Mozart's Don Giovanni. The latter is a relay from the Royal Opera House. I have latterly listened to several transmissions from this theatre and much as I always admire the singing and orchestral playing there, I should like to make just one criticism. Evidently there is a microphone placed just above the prompter's box-and occasionally I have heard every word of his prompt. ETHERVIATOR.

TEN YEARS OF JAPANESE BROADCASTING



1

A "Koto" player at JOAK, taking part in a trio with other players in different studios

ONE after another, the great broadcasting companies and corporations of Europe are celebrating the tenth anniversary of their foundation, and every one of them is able to look back with pride and satisfaction on the first decade of its life. In Great Britain the anniversary occurred in 1932, and the present winter adds the Spanish and Swedish broadcasting services to the list of ten-year-olds. In other continents, however, the tenth anniversaries have still to be celebrated, and the chief networks of the United States will have to wait until 1936 and 1937 before completing a decade of activity. Japan is ahead of America in this respect, for the Japanese station JOAK broadcast for the first time on March 22, 1925, and the tenth anniversary of the birth of the Japanese broadcasting system will be celebrated shortly.

In commemoration of this event the Broadcasting Corporation of Japan has prepared a useful booklet, which describes the growth of the service and the programme policy of the Corporation.* The booklet contains many interesting details, and, although the conquest of the ether has not yet enabled European listeners to receive medium-wave Japanese stations, the development of Japanese broadcasting is worthy of close attention in Europe. It shows that the East can handle broadcasting with the same success as the West, and this is a further proof that broadcasting is the most universal of man's instruments for entertainment and instruction.

Growth of the Service

It was in 1925, then, that the temporary station JOAK began to broadcast at Shibaura, Tokyo. It was a 220-watt station, and after a few months it was replaced by a 1-kW station at Atagoyama, in the centre of Tokyo City. JOBK (Osaka) and JOCK (Nagoya) were opened in the same year, and, twelve months later, these three stations were amalgamated as the Broadcasting Corporation of Japan, a non-profitmaking organisation conducted for the public benefit.

The days when I kW was regarded as the maximum power for a transmitter were soon over, and by 1928, seven 10-kW stations and one of 3 kW were in operation. Since then Japanese broadcasting has continued to expand, and there are now twenty-five stations in different parts of the country, not counting the second transmitters at Tokyo, Osaka, and Nagoya, which radiate alternative programmes.

It may surprise European listeners to know that 10 kW is the greatest power of any Japanese station, but the original policy of the Corporation was to build a chain of small, low-power stations throughout the country. There are seventeen of these stations, and as they are all linked with Toyko by a permanent relay line, the erection of a high-power transmitter on the The Recent Development of Broadcasting in Japan. Tokyo: The Broadcasting Corporation of Japan.

WORLD-RADIO

European model was not immediately necessary. High-power transmission is now on its way, and the Department of Communications has authorised the construction of two 150-kW transmitters for the Tokyo programmes. Other high-power stations will probably be built in Osaka and Kyushu, but the details have not been announced. On the completion of these transmitters some of the small local stations may be closed.

New studio accommodation is also being prepared. In a recent article in *The Japan Magazine* Mr. Shichiro Komori, the Director-General of the Broadcasting Corporation of Japan, said that Japanese broadcasting has now reached a stage in its development which necessitates the erection of two broadcasting houses—one in Osaka and the other in Tokyo. That at Osaka is in course of construction, and in Tokyo a site of about 3,950 sq. metres has been chosen for a six-storeyed building, with a total area of 16,000 sq. metres, which will house sixteen studios as well as offices. It is expected that the building will be ready for occupation in two years' time.

Nearly Two Million Listeners

The steady increase in the number of listeners is a satisfactory feature of Japanese broadcasting. At the end of 1925, when the three pioneer stations had been in operation for a few months,

there were 194,572 listeners. Each year since then has provided a considerable increase, and the latest figures give a total of 1,840,000 at the end of September, 1934. As the yearly rate of increase is now about 300,000 it should not be long before the twomillionth listener pays his subscription.

According to the booklet, the latest figures show a proportion of 28.2 subscribing listeners for every 1,000 inhabitants. This porportion is a good deal lower than the corresponding figure for some of the chief broadcasting

countries in Europe, where Great Britain has 133.4 licence-holders per 1,000 inhabitants and Denmark 150.1 per 1,000; but it is still a satisfactory and encouraging figure. It may be remembered that Mr. A. R. Burrows, Director of the International Broadcasting Office, Geneva, commented on the Japanese figures in an article in WORLD-RADIO on April 13, 1934, and observed that Japan " alone among the Asiatic countries, seems to have realised the importance and possibilities of the broadcasting medium."

As might have been expected, Tokyo provides a very large number of listeners. At the end of August, 1934, there were 516,213 listeners in Tokyo, and it was estimated that nearly half the families in the city possessed wireless sets.

Programme Policy

A glance at the make-up of the Japanese programmes is enough to show that Japan takes broadcasting very seriously, and the listener who feels that jazz and variety are all that he wants from his wireless set should avoid making his home in Japan. Here are the programme percentages for 1933, showing the comparative amount of time devoted to different parts of the programme :—

Social education, 35, per, cent.

General information, 30 per cent. Entertainment, 19 per cent. Outside broadcasts, 9 per cent. Children's hour, 7 per cent.

Children's hour, 7 per cent. The large amount of time devoted to " social education " is a striking feature of this list. The alternative programme system, as employed by JOAK, JOBK, and JOCK, makes it possible to give many hours to educational broadcasts, for the big stations are able to send out educational material on one wavelength and a general programme on the other. " Social education" includes physical

"Social education" includes physical exercises, which are very popular in Japan. Three sets of exercises are broadcast each morning—two for the home and one for the school, and "in summer all classes of people, young and old, gather in the playgrounds of primary schools or the precincts of the neighbouring shrine to practise the exercises." This new kind of "group listening" is much appreciated, and the booklet claims that as many as 60,000,000 persons, take part in the daily exercises; but it is difficult to see on what basis of calculation such a remarkable figure is reached.

Language lessons are another important part of the educational programmes. They generally deal with English, French, and German, but sometimes there are short courses in Chinese, Manchu, and Brazilian.



A perspective view of the proposed new broadcasting headquarters at Tokyo

The constitution of the rest of the programmes can be judged from the table of percentages. News and general information are regarded as very important, and the "employment agency" news bulletins, which give details of possibilities of employment, are of great value to listeners who are out of work. The outside broadcasts include many eye-witness accounts of national ceremonies and sporting events, and relays from the summit of Mt. Fuji and from a submarine are examples of how Japan uses the travelling microphone. Unfortunately the booklet does not say much about general entertainment policy, but it is interesting to learn that all kinds of Japanese and European music are included in the programmes.

A special section of the booklet is devoted to international programme exchanges, a development by which Japan sets great store. Good progress has been made since the first programme of this nature was attempted in 1927, and in the last few months Japanese listeners have heard broadcasts from Great Britain, U.S.A., Germany, Holland, Switzerland, and Java. During the same period Japan has sent programmes to Europe and America, and has thus helped to bring the East nearer to the Western world.

WORLD-RADIO

Mascagni's New Opera

The final scene of "Nero" at La Scala, Milan, showing the hut where Nero takes refuge after his departure from Rome

The Man and his Work By GIULIO RAZZI

[The first performance of Mascagni's latest opera, Nevo, an event that had been looked forward to in musical circles throughout the world, took place at La Scala, Milan, on Wednesday, January 16. Readers will have gathered from the daily Press that the new work was enthusiastically received by a distinguished audience, and it is a matter for congratulation that listeners will not have to wait long in order to hear broadcasts of the new opera. The performances which are to take place on Sunday and Thursday next, January 27 and 31, will be relayed by the Italian and a large number of European and American stations.]

THE special characteristic of Mascagni's music is his ability, developed to a high degree, to interpret musically, and with a sense of sounding their fullest depth, the words of his literary texts. From this deep awareness of the significance of the words there springs a new type of melody, the vigorous phrases of which reflect the Italian spirit, released from any false, baroque influence of affectation and dillettantism and free to achieve its true end—moving the hearer deeply by its noble strains.

Another of Mascagni's striking characteristics is his use of massed choruses : this enables him to lend an almost infinite variety to his melody, and, when he will, to carry it to a great climax. Essentially Italian in their purity and vitality, these are the elements which go to make him the outstanding figure he is, which give his genius that quality of brilliance that is easier to recognise than to explain.

The structure of his harmonies and melodies, at one time seductive, at another decisive and trenchant, seems to express the triumphs of a mysterious power, or the wild tumult of a forest swept by a whirlwind. Giovanni Orsini, in his book on Mascagni, says that he has much in common with Francesco Dominico Guerazzi, his famous fellow-citizen. He has the same perpetual restlessness, the same almost overwhelming forcefulness, the same supreme genius.

From this restlessness of Mascagni is born the immense orchestration of the tragedy of *Amica*, and from that of the giant Guerazzi the *Apologia*. The forcefulness, the supreme genius of both men is apparent, whether it be in the *Intermezzo* from *L'Amico Fritz* and the "Hymn to the Sun" from *Iris*, or in the plastic *Assedio di Firenze*, stimulating and setting the imagination on fire. On January 16 Pietro Mascagni's Nero was performed for the first time at La Scala Theatre, Milan. The popular Italian musician was glad that his latest opera was to be given for the first time at La Scala, and that from La Scala it will be sent throughout the world.

He has told us how one day he was in the theatre, listening to Ermete Zacconi rehearsing Cossa's play, Nero, and how he suddenly had the idea of writing an opera with the notorious Roman emperor as "hero." In the death scene Zacconi was superb; one seemed to see blood pouring from his mouth after the final death-cry had been stifled in his throat. "Zacconi must train and direct the artist who plays my Nero," Mascagni said to himself.

The opening passages of this dramatic poem are grave, threatening, almost lugubrious; the first act, which takes place in the Suburra inn, lasts half an hour, and so does the second act. The third act lasts an hour, and the two scenes into which it is divided—one showing the banqueting hall, the other the death of Nero—are separated by a short interval. The opera is full of inspired melodies, revealing the state of mind and the reactions of the various characters. Passages of strength contrast with phrases of tender love.

The Emperor's Death

It is to Nero's death that Mascagni has devoted his utmost artistic powers and ability, and it is this part of the opera which he has felt most profoundly. "Here," reads his stage note, "it is necessary that the tenor should be a great actor as well as a singer."

In the small and rather wretched little house at Faoute, five miles from Rome along the Consular Road, the Emperor shakes the cold hand of Atticus, whilst dawn breaks over the Roman countryside. The sound of galloping legions and the clatter of arms can be heard approaching along the Flaminian Way. Clouds, lightened by the first rays of the rising sun, are breaking from behind the distant pines; a pregnant, breath-taking pause, and then the emperor's last, terrible, hoarse cry. . . . Nefo is dead. But with his death something is born. From the weaving of the short and simple harmonies there emerge those melodies which are bound, cre long, to be known all over the world.

Above-all, the sweet song of Aegloge, the Grecian maiden, "Thy little swallow seeks a nest," will join that precious heritage of melodies which are loved and sung by everybody.

The Story of the Opera (From our Turin Correspondent)

The Times.

THE story of Nero has been treated by many different authors, from Racine to Alfieri, and from Alfieri to Boito. Mascagni and his librettist, Rossato, have written their opera round Pietro Cossa's drama, which was completed in the second half of the nineteenth century. They have kept strictly to Cossa's conception of the Emperor, and, consequently, they present Nero at the zenith of his power, approaching the abyss of his downfall and death.

In Act I, after some introductory passages, we find Nero and his jester, Menecrates, both disguised as slaves, entering a low tavern after the pursuit of a young Greek slave, Aegloge. Nero is soon involved in a dispute and fight with a gladiator, during which he is thrown to the ground. His favourite, Acte, a freed slave, and his bodyguard come to the rescue. In a burst of generosity, and after having made himself known to the company, he drinks with his opponent, and the act closes in an orgy.

Act II takes place on the terrace of the Domus Aurea. Nero sings. Menecrates enters and introduces an astrologer, who predicts to the Emperor that he will soon die in misery. Nero is enraged and he makes the astrologer a prisoner in the palace. The Emperor then sees the young slave, Aegloge. Struck by her beauty, he declares his love for her, but Acte, who is watching them, is stung by jealousy and tries to kill her new rival. She is saved only by Nero's intervention, and then follows a long love-scene between the Emperor and the young slave-girl.

The first scene of Act III opens with a gorgeous scene in the Imperial palace, a scene which depicts in great detail the luxury and voluptuousness of the period. Nero, crowned with a wreath of roses, improvises a song. But tragedy is not long in arriving. The people are in revolt. Abandoned by all except the everfaithful Acte and two other freed slaves, Nero flees from the palace, taking his lyre with him.

In the final scene we find them taking refuge in a small house between the Via Nomentana and the Via Salaria, where Acte and the two slaves, by their example, help Nero to conquer his great fear and meet his death.

The cast of the opera is a distinguished one. Aureliano Pertile was specially chosen by the composer for the part of Nero; Margherita Carosio takes the part of Aegloge; Lina Bruna Rasa that of Acte, and Signor Granforte the part of Menecrates.

WORLD-RADIO

The U.S.A.'s Holiday Listening

I. From Local Stations (From our Chicago Correspondent)



season, U.S.A. listeners were offered an array of seasonable features that included broadcasts of characteristic holiday festivities from all parts of the world as well as programmes originating in U.S.A. studios. The Columbia Broadcasting System started its holiday schedule on December 16, with a broadcast of the pre-view of the latest toys from Nuremberg, Germany,

DURING the Christmas

and three days later Kate Smith included on her Matinee Hour a Swiss Village Festival from Berne, Switzerland.

One of the most interesting international features brought to listeners the chants and pre-Christmas prayers of the Benedictine Monks of Montserrat. The broadcast originated in the isolated ancient monastery perched on the rocky ledge 3,600 feet above the River Lobregat. And early risers on Christmas morning were able to tune in the "hook-up" with the British Broadcasting Corporation and hear "Empire Exchange."

The National Broadcasting System networks afforded listeners an opportunity of hearing the concert by the Schwartzmeier Children's Choir in Berlin, as well as services in the ancient Einselden Monastery in Switzerland, the services from a little country church in Czechoslovakia, and a programme of music and prayer from the catacombs in Rome. From Washington came the voices of the children of foreign diplomats who appeared before the microphone to broadcast greetings in their native languages, and the voice of President Roosevelt was heard as he sent his Yule message to Admiral Byrd and his men in Little America.

In Manhattan, the celebrations of the "Little Nations," prepared by Italian, German, French, and Hungarian groups, were heard over the American Broadcasting System networks.

Not to be outdone, the comedy team of Burns and Allen, having received their Christmas gift of a renewed contract from their sponsor, carried the Yuletide spirit over to the day after Christmas, when they made their regular programme broadcast, and gave Gracie Allen an opportunity to bemoan the fact that "No one ever does anything for Santa Claus."

Consequently, their programme was a broadcast in honour of all the store and street Santa Clauses, estimated by George Burns to be approximately 100,000.

The entertainment provided by the Nash Christmas Party broadcast, which included a cast of 300 artists, and which was heard over the NBC networks on Christmas day, made it necessary to use five studios for the programme. Beatrice Lillie, Alexander Woolcott, Madame Schumann-Heink, the Apollo Club Chorus of 200 voices, and George Olsen and his orchestra, occupied three of the CBS Chicago studios. The Don Cossack Russian Male Chorus was heard from the CBS 'New York studio, and Lionel Barrymore made his radio debut from KHJ, Los Angeles, in a dramatisation of Dickens's *Scrooge*. In contrast, the American Broadcasting System presented on December 31 a dramatisation entitled "Scrooge in 4/4 Time," which brought "A Christmas Carol" up to date. Instead of dealing with the early nineteenth century, the comments and prejudices of Scrooge concerned themselves with modern manners and morals.

II. "Empire Exchange"

(From our Washington Correspondent)

Millions of listeners in the United States heard the B.B.C.'s "Empire Exchange" programme on Christmas Day, through more than 150 network stations of the major broadcasting systems. This unique programme, with its impressive demonstration of short-wave technique, actually attracted more attention and comment than even the elaborate radio entertainment arranged locally.

Many American newspapers devoted more than a column in space to a detailed description of the British Empire programme and reprinted the King's speech in full text.

"The talk of the week in American radio circles," said The New York Times, "has been the remarkable British ' Empire Exchange broadcast on Christmas morning, in which the microphone skipped around the world in breath-Plaudits were heard for the taking fashion. organisation behind the globe-girdling programme, for the miracle performed by science in linking so many far-flung cities together in split seconds as if it all were on some small island. There was plenty of applause for the human interest feature of the broadcast, and for staging such an interesting international performance stripped entirely of commercial sponsorship. Shepherds, fishermen, children, skaters, tunnel guards, and miners added realism and drama to a programme distinguished for naturalness and sincerity.

"It was a programme intended primarily for the Empire upon which the sun never sets, but the Hertzian waves were intercepted far and wide for rebroadcasting by friendly neighbours of the British.

"A vast audience in Uncle Sam's domain listened, entranced by the magic of shortwaves and delighted with the voice of King George, whose words sped across the hemisphere with such sincerity that his friendly greeting was compared with President Roosevelt's 'fireside chats."



The Montserrat Monastery, from which chants and prayers were relayed to the U.S.A.

Without Distortion

JANUARY 25, 1935

Surely the Youngest

For some time past I have been trying to find the youngest broadcaster-that is to say, the youngest coherent broadcaster, for babies, whether single or quintuple, can hardly be counted as genuine microphone artists. There was a time when Lea Deutsch, the six-year-old singer of Zagreb, appeared to hold the record, but the redoubtable Claude, who enchanted listeners to Radio-Normandie by his rendering of Les Gars de la Marine, beat her by three Both Lea and Claude are now eclipsed vears. by Frank Willy Andersson, aged two, who recently broadcast from Stockholm. He sang a little song and made a few remarks about Christmas presents, and I learn from Röster i Radio that his performance was regarded as a great success. The sequel is rather charming. The broadcast was also recorded, and Frank Willy was invited to hear it played over. At first he stared at the loudspeaker uncomprehendingly, but when the record came to the chorus-" So I clap my hands, and I stamp my feet, so merrily, oh, so merrily "-he grinned all over his face and turned to his mother. "Mummy, Mummy," he cried, "that's Frank He is now one of the most famous Willy !" inhabitants of the town he lives in, but he regards his fame with the indifference of a great artist.

Luxury or Necessity?

The question of whether a wireless receiver is a luxury or a necessity has once more engaged the attention of legal authorities. This time an Austrian innkeeper is the principal figure in the case. A friend in Vienna tells me that the innkeeper, whose goods were being distrained on for debt, appealed to the Court for permission to keep his receiving set. He explained that his business required it, for the guests who came to his public rooms and his garden wanted to hear the music and the sporting results; if he could not provide them with such entertainment they would go elsewhere. The Court upheld his appeal, and when the matter was taken to a higher authority the innkeeper was again successful. As far as Austria is concerned, I feel that the judgment is undoubtedly right. In England we can take our meals and our drinks without music, but in Germany and Austria that is almost unthinkable; and if an innkeeper or a restaurant owner cannot afford the two or three musicians required for a Künstlerkonzert, a loudspeaker is obviously a necessity.

The Germans Like It

This "merry and bright in the early morning" business is going down very well in Germany. As I mentioned a few weeks ago, the Deutschlandsender has made the experiment of engaging well-known comedians as compères for earlymorning gramophone concerts, and listeners seem to be highly delighted. Letters of appreciation are pouring in; electricity companies say that the consumption of current in the early morning is twice or three times as much as it used to be; and now the authorities have added a further three-quarters of an hour to the period of jollity. It thus extends from 6.35 to 8.45 a.m. (5.35 to 7.45 a.m., G.M.T.), and the extra period is meant to enable the housewife to have another good laugh after her husband has gone off to work. While I have not got over my first feelings of dismay at the prospect of such wild matutinal gaiety, I am bound to express my warm admiration for the comedians who take part. Men who can crack jokes at half-past five have a quality which I, for one, could never hope to emulate. Not, of course, that I want to emulate it.

RECTILINEAR.

JANUARY 25, 1935 WOMEN AT HOME AND ABROAD

Evening Entertainment By MADELINE LINFORD

It was in Sussex, and it was, I suppose, a typical Guest House. The mats on the dining-room tables were hand-embroidered and slithered about under the rough Breton pottery and Czechoslovak coloured glass. "Quite a foreign atmosphere," we said, but that was before we had tasted the food. This was quite definitely bad. We could not grumble and we had to eat it, because, the place being a Guest House, the proprietors were "ladies" and sat with us. They also came into the sitting-room after dinner. To read, besides being difficult, was made to seem

abominably rude. Fancy work was encouraged among the women boarders—or, rather, "guests "—and the men were urged to smoke their pipes, much with the same tolerant and self-interested benevolence that thrusts comforters into the mouths of restless babies. The chairs were cane, knobbled with lumpy embroidered cushions; the light was dim under hand-painted shades; our horrible dinners stirred uneasily within us.

Still, the surrounding district was lovely, and the Guest House was cheap. We had booked our rooms for a week, and the proprietors— "now do, please, think of us as your hostesses and this as a jolly family party in a dear old country house" —were expert, probably from long practice, at thrusting aside tentative hints of imminent deaths at which we might be called to attend. So we stayed and, by spending all day in the car and swallowing indigestion tablets after dinner, neither of us could own to any real physical or mental harm.

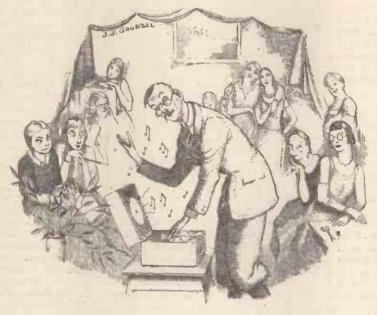
On the last evening came a small diversion. A man in a car had arrived at teatime and asked for a bed for one night. "We don't usually take casuals," said one of the hostesses when we met her on the stairs on our refurn from our customary flight. "It rather spoils the family atmosphere, don't you think? But he seems such a nice man, and I should hate to think of his being forced to go to the 'Jolly Farmer' and have a dull and uncongenial evening."

It seemed to me that the man had shown very poor judgment in driving past the robust heartiness of the "Jolly Farmer" and stopping at our thin, tepid soups and embroidered mats. By now he would be reading the mottoes on his bedroom walls and perhaps, unconsciously, agreeing with me. I had framed injunctions on mine, telling me to smile even when the world seemed gloomy, and to remember that a cheerful spirit would lighten the heaviest load. I tried to test them during dinner each evening and through that awful period of sociability after it, but they never worked.

At dinner we saw the new arrival. He sat at a little table by himself, his legs cramped under it, and with his mats all awry before he had finished the first course. He was ordinary —about forty, greyish, tweeded, and thin. He looked unhappy, but that was to be expected. No one, I thought, looked anything but increasingly unhappy as the meal progressed, though some, inspired no doubt by the mottoes, had a veneer of brave patience.

He came rather late to dinner, and so we were all assembled in the sitting-room when one of the hostesses ushered him into our midst. There we sat in our "semi-evening" silkseleven horrible women, unrelieved even by Mr. Robinson, who had escaped the day before. I was not surprised when the man, after a sweeping, tortured glance at us, at our fancy work, our jangling bead necklaces, the cane chairs, the Italian pottery vases, muttered something about his car and bolted from the room.

I thought that he had simply defaulted, and that he was lucky to have escaped with nothing worse than one meal and a possibly uneasy conscience. But the hostesses remained calm, and in a few minutes he came back, carrying an efficient-looking wireless set.



Instantly a soft babble of talk flowed round him.

"How nice . . . A little music is always a change . . . Not those modern composers, though . . . The dear King on Christmas Day . . . I'm not ashamed to say that I love the Children's Hour . . . My nephew is most clever with the wireless . . . I call it noise, not music . . . She said 'I will' so clearly, without a trace of foreign accent . . . It's extraordinary how many people simply disappear when their relatives are dying . . . He made a five-valve set and it cost almost nothing . . . You can't beat Beethoven and the old masters, say what you will."

The man took no notice. He had placed the set on a rickety table and was fiddling with its knobs. A burst of organ music poured out of it.

of it. "Oslo," he said, in a kind of bark, and turned his back on us.

"Oslo! Isn't that marvellous? I've never been there, but I'm told that Norway is mostly waterfalls and very cold. I always think that when you live in a climate like this, you should go where there's sure to be sun. I mean, you need it. . . They came over for the Royal Wedding, too. Such a tall King, or was that the Danish one? . . My sister went on a cruise, but she said the Midnight Sun was disappointing. Just like it is here, though, of course, later. . . I must say that for my part, when it's night, I like it to be night. . . . It's extraordinary how the seasons seem to be changing round. Roses out at Christmas and cold winds in July."

The organ snapped into silence and a tinkle of dance music came pattering on its heels. "Milan," barked the voice behind the firmly turned tweed back.

"That's where 'The Last Supper' is. A pity it's faded.... Did I ever tell you about that time I went to Venice and the gondolier tried to overcharge me? I was quite firm. I said ... I love Gilbert and Sullivan. Isn't it *The Gondoliers* that has the sparkling eyes tune?... Of course it's much cleaner since Mussolini took charge and the trains are 'at least reasonably punctual.... I think a king and queen on the throne are much better for everyone than all these dictators."

The dance music was torn away and a string quartet swept into the gap with strains of thin and disembodied sweetness.

" Vienna."

"Now that's a place I've always longed to visit. So gay. . . Perhaps they'll play "The Blue Danube." How much

'The Blue Danube.' How much pleasanter those old dances are than all this jazz!... Did you see Autumns Crocus?... Such a tragic country. The poor Empress. ... It's quite fashionable to go to the Tyrol for winter sports, but then you can never be sure about the Nazis. ... What was his name? Doll something. A tiny little man."

And so it went on, until it seemed that every station in Europe was being dragged out of oblivion and paraded before us. We never heard more than a few snatches from each, and their intermediary kept his back rigidly towards the chattering room. Huizen brought an instant's silence, because no one was sure of its place on the map and therefore of its conversational associations, but Madrid led from bullfights to pet dogs at home. Berne's gramophone recital was very happy in its inspirations of hotel charges, Lucerne, the League of Nations, cherry jam, and Princess Elizabeth's progress with the French language.

It ended as suddenly as it had begun. A voice from Dresden said "Heil Hitler!" and while we still murmured of the ex-Kaiser, of brown as a colour for clothes, and of the Passion Play, the man picked up the now quiescent set, muttered a few words, and hurried out of the room.

We stared at one another with something of the dazed bewilderment of Stout Cortes and his followers. This bouncing, tuneful girdle round the Continent had left us with the jaded weariness of tourists dragged past an endless succession of "sights." Slowly we recovered our usual form. The world was a small place, after all, and wasn't it marvellous that all these sounds and queer languages were in the air and could be trapped in our Guest House ? What a nice man, but he seemed quiet. Could anyone remember his face, really remember it ? We agreed that if we met him in the road to-morrow, we shouldn't know him, though his back might seem familiar.

"I wonder," said someone, "if he did all that to amuse himself or to amuse us."

"A little bit of both, perhaps," said a hostess, anxious that everything should be pleasant 'between guests. She added that a happiness given is a happiness shared, and I thought how thoroughly she had studied the mottoes.

The other hostess remarked that foreign travel was very broadening to the mind and that, when obliged to stay at home, the wireless played a part nearly as vital. We all agreed and, feeling cosmopolitan and so broadminded as to be almost dangerous, we clattered up the bare staircase to bed. As I shut my door, I heard one of the guests call out "Bonne nuit" and another reply, "Auf wiederschen," in and

The Interaction of Radio Waves

By Professor V. A. BAILEY, M.A., D.Phil., F.Inst.P.

It is for me an interesting and valuable coincidence that my present brief visit to Britain should occur at a time when the attention of the World Radio Research League is so largely occupied with the "Luxembourg Effect."

While passing through Cairo in December last, my attention was drawn by Professor Ayres to Professor Appleton's article in the issue of WORLD-RADIO for December 7, which article is mainly devoted to a discussion of the theory* which Dr. D. F. Martyn and I have advanced to account for the phenomenon of wave-interaction.

The postal " interaction " between Professor Appleton and myself which then followed has resulted in my meeting the Honorary Secretary of the W.R.R.L. and learning at first hand something about the admirable work which has been done by the League. The Secretary has also suggested that before my return to Australia I might discuss briefly in this journal the bearing of the League's observations on our theory and make some suggestions for further work on the same subject.

The Evidence Obtained by the W.R.R.L.

The theory is essentially deductive in characteri.e., it proceeds from the established results of two independent fields of physical investigation and by means of deductive logic shows that certain effects are produced in the ionosphere by a powerful long-wave station which lead to observable effects in a radio receiver tuned to certain other stations.

The complete agreement between these deductions and the phenomena observed in connexion with Luxembourg, Droitwich, etc., constitutes the reason for regarding this theory as the explanation of these phenomena.

It may be mentioned here that the two different fields of investigation referred to above are as follows :-

(1) The studies of the motions of electrons in gases by Townsend and his associates, and

(2) the studies based on Lorentz's work of the propagation of radio waves through the ionosphere, by Appleton and others.

The observations by members of the W.R.R.L. which are set out in Professor Appleton's articles in WORLD-RADIO for November 30 and December 7 and in the Honorary Secretary's

Bailey & Martyn, Nature, 133, p. 218 (Feb. 10, 1934), and The Philosophical Magazine, xviii, p. 369 (Aug. 1934).

Letters to the Editor DAYTIME RECEPTION OF CAIRO

SIR,-In your issue of January 4, a Bury St. Edmunds correspondent draws attention to reception from Cairo. This station is easily heard in this district between, say, 4 p.m. and 5 p.m., and in my own experience, is of a strength and quality quite equal to any of our home stations, excepting, of course, Droitwich. The call-sign is mostly in Arabic. My receiver : 8-valve (with push-pull) has a 75 ft. aerial. Yours faithfully, S. L. Cocks.

Redington Road, N.W.3, January 15, 1935.

ROSTOV-ON-DON

SIR,-Having read Mr. L. J. Le Breton's letter in your issue of December 28, and others more recently, regarding reception or doubted reception of Rostov-on-Don, I have been reception of Rostov-on-Don, I have been prompted to write to you. Like Mr. Le Breton, I discovered this station when I was interested in lighthouse call-signs, some twelve months ago-have heard it about a dozen times, report of December 14, may be summarised in regard to their bearing on the theory as follows :

(1) The midpoints between receiver and transmitter are grouped around the interfering respective stations, and the density of these points diminishes rapidly at distances exceeding about 250 kilometres from the interfering stations.

(2) Distortion favouring low notes has been observed by several members.

(3) The interference disappears with the disappearance of the wanted wave, whether by fading or otherwise.



The Droitwich transmitter

These results are very favourable to the theory, and I am aware of no observations which are antagonistic to it.

Thus the work of the W.R.R.L. makes an exceedingly valuable contribution to the elucidation of the phenomenon.

Suggestions for Further Work by the W.R.R.L. In addition to the observational test mentioned by Professor Appleton on page 792 of the issue of WORLD-RADIO for December 7, the W.R.R.L. could also attempt to observe two other phenomena which are predicted by the theory-

Towards the end of last summer. I heard this station, on 845 metres, close with the "Inter-national" on three successive evenings at 10 p.m. B.S.T. On one evening its strength was sufficient to jam Croydon completely. On that particular evening I listened for quite half an hour to a gramophone recital; one record, "Constantinople," struck me as being pretty ancient. I have on only one occasion received Budapest and Rostov-on-Don together. I have also noticed another Russian station on about 920 metres, when Rostov is a good signal, which is, I should say, not very often.

My receiver is a battery-operated screenedgrid four. Yours faithfully, A. HEPPER.

Whittlesey, nr. Peterboro, January 19, 1935.

THE CENTLE ART OF TRANSLATION

The Tyranny of Asparagus

SIR,—Under the heading "The Gentle Art of Translation" one of your readers gives an amusing example of very free translation by a French speaker.

JANUARY 25, 1935

namely, the occurrence of the first harmonic of the interfering programme, and the occurrence of a type of atmospheric† which appears and disappears with the observed station.

The harmonic will be heard as a weaker accompaniment of the usual interference, and will, of course, be one octave higher.

The atmospheric is due to an electric storm acting on a radio wave in the same manner as a powerful station like Luxembourg. In general, it may be difficult to observe on account of the disturbance of the receiver by the more direct effect of the electric storm. There are various conceivable ways of overcoming this difficulty, but here I shall confine myself to the advice that the stations under observation should be as powerful and as distant as possible, and that the search should not be limited to any particular band of wavelengths.

The test should be made with a very sharplytuned receiver, and in order to establish the nature of the observed atmospherics it is essential to observe what happens when the receiver is tuned to another station of slightly different wavelength, situated in a different direction but producing a field intensity at the receiver of the same order as does the first station. Instead of the second station a local screened weak oscillator could be used.

Besides these phenomena, the theory also predicts a particular distortion of the programme of a powerful station like Luxembourg or Droitwich when received on its own sky-wave. This is discussed more fully in a paper by Dr. Martyn and myself which will be published in The Wireless Engineer.

A Quantitative Test of the Theory

Recently Dr. B. van der Pol has announced the following results of a quantitative study. When the modulation frequency of Luxembourg changes from 100 cycles per second to 800, the modulation impressed on Beromünster's carrier wave changes from 7.5 per cent. to 1.25 per cent.

From these results our theory enables us to deduce that in the part of the ionosphere concerned an electron makes about 190,000 collisions per second with molecules. This deduction is in good agreement with previous estimates of the collision-frequency obtained by means of two other totally different methods.

Thus the theory satisfies another test and one, moreover, which is of a somewhat severe character.

In conclusion, it may be mentioned that the theory also accounts for the order of magnitude of the observed interference.

+ Bailey, Nature, 133, p. 869 (June 9, 1934).

Another member of the confrerie operating in a town of South Western France is a monomaniac in translating titles in French.

Some time ago, in the course of a concert of sacred music, he gave as translation for a disc bearing the title "Asperges Me, Domine" "Les asperges me dominent." I think that goes one better.

Yours faithfully, A. L. CORNALI. Bordeaux, January 14, 1935.

The Banjo and the Bath

SIR,-With reference to Mr. Page's letter, re "The Gentle Art of Translation," in WORLD-RADIO of January 11, it was amusing to hear the lady announcer of one of the Italian stations about five months ago requesting us to listen to a foxtrot entitled "Bagno-Bagno," then giving us a gramophone record of a foxtrot played on a banjo. She had pronounced the word " Banjo" in Italian, which means bath in English. Yours faithfully,

J. ASHTON.

Sliema, Malta, January 15, 1935.

8

WORLD-RADIO

FOREIGN BROADCASTING NEWS FROM OUR CORRESPONDENTS

FRENCH PROGRAMME PLANS

M. MANDEL, the French Minister of Posts, Telegraphs, and Telephones, in an interview granted to representatives of the wireless Press, has announced his intentions concerning broadcasting. One of the alterations that he is putting into force affects the news service. In the past this service has consisted of a mixture of news, short talks on topical events, criticisms, book reviews, etc. M. Mandel proposes to concentrate on a shorter news service, and to transfer the talks features to other parts of the daily programmes.

Cally programmes. Eighty performances will be given during 1935 by the theatres subsidised by the State. These theatres are the Opéra, the Opéra-Comique, the Comédie-Française, and the Odéon. Attention will also be given to the improvement of the outside broadcasting services of the State stations.

Meanwhile, the Committee of Co-ordination has decided that as few alterations as possible shall be made in the published programmes, and whenever last-minute alterations are inevitable or necessitated by some unexpected important event, every endeavour will be made to advise listeners in the daily Press or by other means. Other matters discussed were the continuous exploitation of the State stations from morning to night by the extended use of relays, the more punctual observance of the times of beginning and ending the various sections of the programmes, and the extended use of wireless orchestras. The following performances were selected for transmission: January 29 : Pelléas and Mélisande (from Radio-Paris); March 5 : Beethoven evening (National transmission); March 12 : Works of post-War musicians (National); March 26 : Works of Spanish musicians (National).

Denmark's Listeners

At the end of 1934 the total number of listeners in Denmark was 568,175—16 per cent. of the population. On December 15 the State broad-casting service, as in 1933, reduced from 10 Kr. to 5 Kr. the licence fee to be paid for receiving sets registered after that date for the remainder of the financial year, which expires on March 31. Before the end of December, 6,607 listeners had availed themselves of this "Christmas present."

Broadcasts by the French Premier

In spite of the decision made many months ago no political speeches should be broadcast in France, an exception appears to be made for Prime Ministers, owing, perhaps, to the fact that such speeches consist of a report of work done, or a résumé of plans for the immediate future. M. Gaston Doumergue made use of the microphone on many occasions with that object, and M. Flandin is following his example. Unfortunately, these transmissions are not arranged sufficiently ahead to enable them to appear in the weekly programmes. On the last occasion on which M. Flandin spoke, it was after a banquet the preliminary speeches at which continued for so long that listeners were kept waiting a considerable time for the Premier's Speech, and many complaints were afterwards made. On January 12 M. Flandin spoke from the banquet offered to him by the Democratic Alliance. His first words were an explanation that he was speaking at that moment in order to keep faith with listeners, and he expressed his thanks to another of the evening's orators for ceding his turn to him.



The Comédie-Française, Paris, from which broadcasts are to be made by the French State stations. (See report in adjoining column)

Listeners in France

Details recently issued of the number of registered listeners in France show that the total on November 30, 1934, was 1,730,248, 58,795 of whom possessed crystal sets, and 28,026 sets that were used in places considered as public.

Artist's Refusal to Broadcast

Considerable annovance has been felt on account of the refusal of a well-known singer to allow his portion of the programme to be broadcast during the performance of a Pasdeloup Concert transmitted by the French State stations. The reason for the artist's attitude is not clear, but the authorities have apologised to listeners, at the same time stating that, at the personal request of the Minister of Posts, Telegraphs, and Telephones, the singer in question will perform for listeners at an early date, showing in this manner his willingness to co-operate with the State stations.

The Marseillaise from Berlin

On January 18 the Reichssender Berlin broadcast a programme devoted to the influence of Napoleon on the nineteenth century. The programme opened with the playing of the Marseillaise, which may have caused surprise to listeners casually tuning in to the transmitter at that time, and included part of Beethoven's Seventh Symphony and a talk on the subject. This transmission is one of a historical series entitled "Vom Schicksal des deutschen Geistes."

Extension of German Programmes

Hitherto Stuttgart and Frankfurt have been the only German stations regularly to broadcast will have noticed that on certain special occa-sions, such as "The Day of the Saar," all German stations continue until that hour. It has now been made possible for the Deutsch-landsender—which had always to close down at 12.55 a.m. local time—to continue its pro-gramme until 2 a.m. if necessary.

An Exhibition at Bucharest

The Bucharest Radio Exhibition-the opening of which, owing to the rigorous import restrictions and the consequent difficulty in obtaining exhibits of the latest type, had several times to be postponed—was opened last month in the presence of many representatives of public life, presence of many representatives of public me, including M. Trancu Jasi, the late Minister of Public Works, and Baron von Hauenschild, the German Ambassador. The attendance at the exhibition surpassed expectations, and the business done by exhibitors was excellent. The wireless industry in Romania as yet is undeveloped, and it was not represented at the exhibition; almost all the exhibits, therefore, were of foreign origin. Many of the receiving

sets shown were of the all-electric, superheterodyne type, designed, with few exceptions, for use on the long and medium wavebands. The Romanian listener has so far shown little interest in short-wave reception. At present the number of licence-holders in the country is comparatively small—out of a population of 18,000,000, only 120,000 are licensed listeners. It is anticipated, however, that the opening in the early spring of the new 150-kW transmitter at Bod will have a favourable effect on that figure.

E.I.A.R.'s Schools for Artists About three years ago the Turin station organised a school for the formation of choruses, and excellent results have been obtained. best singers of the school have already been incorporated in a wireless chorus, and at present 100 other voices are being appropriately trained, so that the E.I.A.R. will be able to broadcast important choral works next year with its own staff. As a consequence of the success obtained, the E.I.A.R. recently founded a similar school in Rome, which is being well attended. The two schools together have about 200 pupils. The E.I.A.R. also established about two years ago a school for the training of soloists. This school, which has about twenty pupils, gives tuition only to students of special talent.

Italian Performing Rights Agreement The National Federations of Public Entertainment Workers and Employers have recently come to an agreement with the E.I.A.R. in regard to the broadcasting of mechanical reproductions. This concerns the compensation due to a performer for the mechanical reproduction of his performance. Under the agreement. the payment agreed upon in individual contracts entitles the E.I.A.R. to transmit from all its stations the work in which the executant takes part. The E.I.A.R. will incur no extra charge for occasions when it is unable to transmit a work simultaneously from all stations and has recourse to mechanical reproduction for eventual transmission through those stations which did not benefit by the original transmission. If, however, the E.I.A.R. desires again to broadcast the same work or to make other commercial use of it, it must pay a supplementary compensation to the artists taking part.

From the Pacific's "Only Dry Spot" On December 29 the Columbia Broadcasting System broadcast a programme from "the only dry spot in the Pacific Ocean "—the coffer-dam formed by the fender for the south pier of the Golden Gate Bridge which is now under construction. The broadcast, which was made 127 feet below sea level, came directly from the pier on the San Francisco side, and included comments by officials connected with the work.

Train Stopped for a Broadcast

An unscheduled twenty-minute stop was made by the crack "Broadway Limited " train of the Pennsylvania Railroad on December 18 in order that a standard feature of the CBS programme might reach listeners to the network. The driver of the express train was instructed to reach Lima, Ohio, five minutes earlier than the regular schedule so that a radio circuit could be hooked up to equipment already installed in the observation car of the train, and thus enabled the broadcast—a fifteen-minute programme of comment on world news-to be made aboard the train, which was travelling eastward from Chicago.

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Australia Day

January 26, the 147th Anniversary

AUSTRALIANS throughout the world will recall on Saturday, January 26, a day in 1788 when an officer of the British Navy raised the Union Jack on an unknown coastline eight and a half months out from Portsmouth; and on this anniversary of the birth of their nation they will recall also that in the past year two men flew from England

to their country in seventy-one hours. Perhaps from the point of view of Empire development the closer inbinding of this outpost of British culture, this contrast in speed of transport, provides the most significant note of the year. The triumph of Scott and Black in the Mac-Robertson air-race from Mildenhall to Mel-bourne was more than the just reward of two intrepid British sportsmen, for it was fol-lowed closely by the inauguration of a regular air-mail service from England to Australia, and

air-mail service from Contrasts in transport : a : England to Australia, and Australia, and the gian the announcement that plans are in hand for the speeding up of that service to a schedule of seven days. Those to who have already used the service realise just what difference it makes in their perspective of

events at the other end of the air-line. Greater knowledge brings greater understanding, and, on the analogy of wireless developments, the air-mail must have increasing effect in fostering that sense of unity on which successful Empire polity depends. This, apart from its immense commercial advantages.

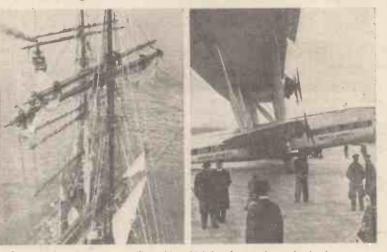
But not solely in the air have. Australia's communications with the Old World been improved during the past twelve months. Governor Arthur Phillip, who, on January 26, 1788, landed where the great city of Sydney now stands, had a fleet of eleven ships which, in all, totalled only 3,892 tons, or barely half the average tonnage of one of the ships which are now used in the Australian coastal trade. With more than 100,000 tons of new ships from British shipyards Australia was largely responsible for the improvement in shipbuilding in this country last year. These vessels, the last word in efficient propulsion, storage, and passenger comfort, will be employed to carry Australian foodstuffs and other raw materials to Britain in return for her manufactures.

One of the principal requirements which stimulated this activity in shipbuilding was the successful solution by scientists in Australia of the problem of transporting meat in chilled state to the British markets. Beginning just after her last birthday anniversary, Australia has concluded the year with highly successful shipments, of commercial dimensions, of beef which has been able to compete with the supply from experienced and well-organised foreign producers.

But the overcoming of the scientific difficultics in this trade has been accompanied by increasing problems of a politico-economic nature. The Australian Prime Minister, Mr. Lyons, while he is in England for the King's Jubilee, will endeavour to straighten out the misunderstandings which have arisen between Lancashire and the Commonwealth following the alteration of the method in which the Australian cotton duties are imposed.

The year just passed and the incoming year will mark the strengthening of the co-operation

of Australia with Britain in the defence of the Empire. A new cruiser, which costs the Australians nearly \pounds_1 per capita, was launched at Wallsend-on-Tyne in the autumn, and fortytwo new 'planes were ordered for the Royal Australian Air Force. The discussions which Sir Maurice Hankey began when he visited the



Contrasts in transport : a sailing ship which has frequently made the journey to Australia, and the giant air-liner which inaugurated the air-mail service

Melbourne Centenary celebrations will be continued by the Commonwealth Ministers in London next summer, with the object of deciding the best way to spend the increased moneys that Australia is voting for defence.

Internally, Australia's record for the past year has been one of consistent consolidation of her recovered prosperity. Apart from the stimulus of the Melbourne Centenary and the Duke of Gloucester's tour, this was apparent in increased building (index and aid to nearly every industry) and the beginning of the restoration of the cuts (ranging from 10 per cent. upward) which were made in wages during the depression period.

But more spectacular evidence of her improved position was provided last week by the favourable reception of her London loan conversion. The operation affected loans aggregating $\pounds 22,384,000$ sterling, bringing the total conversions during the past twelve months to $\pounds 58,622,356$, and increasing the annual interest saving to $\pounds 3,080,000$ in Australia's currency. The conversion was the largest and the terms the most favourable in the Commonwealth's history.

Australia's birthday anniversary almost coincides with the resumption of Parliament, and that Parliament will be called upon to decide what part it will play in the reconstruction of the Commonwealth's system of government. The weaknesses of Federalism have caused considerable criticism and even talk of secession by the smaller States, whom the Commonwealth has answered with the alternative of a commission to investigate disabilities. But the people of Western Australia at their referendum voted two to one in favour of separating from the Commonwealth and becoming a self-governing Armed with concolony under the Crown. vincing arguments their delegation arrived in London in November and awaits the decision of the Imperial Parliament on their petition that the measures which included it in the Federated Commonwealth should be repealed.

Whatever the outcome of this movement, Australia—in two parts or one—will remain loyal to the traditions of the Empire. She will continue to build well and strongly on that foundation which Phillip laid nearly 150 years ago. K. F. B.

JANUARY 25, 1935

England's Oldest Regiment

[Colonel the Viscount Galway, D.S.O., O.B.E., Colonel-Commandant of the H.A.C., who is the Governor-Designate of New Zealand, will give an address following the demonstration of pike drill which forms part of the "Evening with the H.A.C." programme to the Empire (Transmission 4) on January 26.]

THE Honourable Artillery Company, from whose headquarters an Empire broadcast is taking place, has the distinction of being the oldest regiment of England. In 1537, King Henry VIII granted a charter to the "Fraternity of St. George," and it is from that date that the official history begins. About that time the new title of "Gentlemen of the Artillery Garden" was adopted.

There is a considerable interest in this pro-gramme for trans-Atlantic listeners, for "The Ancient and Honourable Artillery Company of Boston, Massachusetts," which is the oldest military body in the New World was founded 100 years later by Robert Keayne, who, before he settled in Boston, had been a "Gentleman of the Artillery Garden" (the H.A.C.) in London. Keayne raised a Company on first landing in 1620, for the protection of the settlers against Red Indians. His example was followed by others, and military companies were organised on the lines of the London Trained Bands in a number of towns in New England. In 1637 several of the early planters, who had been members of the Artillery Garden in London, led by Robert Keayne, petitioned the first Governor of Massachusetts, John Winthrop, for a Charter. This was refused, but they were allowed to bear arms. A year later the petition was granted to the "First Military Company of Boston, Mass." It was dated March 17, 1638. This document endowed the "Com-pany" with 1,000 acres of land for training purposes. Thus they got their first official recognition. For many years the "Military Company " continued training the citizens of New England in the art of war, and supplying the Militia with officers. The name "Artillery Company " became adopted about 1657, and "Honourable" at the beginning of the eighteenth century ; the prefix "Ancient" was added in 1737.

For 200 years no communication was established between the two ancient bodics. In 1857, however, a regular exchange of courtesies began, and copies of their respective records were exchanged. The Prince Consort was elected a member of the Boston Company; the same compliment being paid to King Edward VII on his accession.

From now on the visits paid became more frequent, and in 1896 170 "Ancient and Honourables" were invited to London as guests of the Regiment, and were inspected by Queen Victoria at Windsor. So warm was their reception that a return visit was arranged, but had to be postponed until 1903 owing to the Boer War. On September 23, 1903, however, the Earl of Denbigh, as Colonel-Commandant of the Regiment, sailed for Boston in a vessel specially named the *Mayflower* with a contingent of the H.A.C., and was received with overwhelming hospitality, five miles of streets being decorated in their honour.

The H.A.C. were also taken on a week's tour, visiting New York, Niagara Falls, West Point, Washington (where President Roosevelt signed the famous Vellum Book), Montreal, and Toronto.

In 1912 the "Ancients" came to England, and took part in a big review held in their honour at Windsor, his Majesty King George inspecting them. The King afterwards unveiled a memorial to Robert Keayne, the founder, which was placed on the front of his old house at Windsor.

J. D. E. E.

Empire Programme Letters

A Birmingham Man "Down Under" From Ohakune Junction, New Zealand :--

"I have been listening to your station for three weeks, and you will be surprised to hear of the wonderful reception we get in this far Dominion. As I write, it is 7.15 p.m., our time (7.15 a.m., London time). I heard the quarter chimes and your announcements previous to your first item, which was the 'Turkish Patrol.' We get our best reception at your opening session at 7.15 p.m., our time, on 31 metres, and the volume is about R7, speech 100 per cent. readable; in fact, the reception is equal to some of our YA stations in New Zealand. On 25.5 metres the reception is about half the strength it is on 31 metres. I am a Birmingham man, an old G.W.R. servant, so I get a great deal of pleasure when I hear the big clock strike. The reception in the evening, your time (morning, our time), is very fair and quite readable. The big French station comes in a poor second-best compared with GSD. Your volume keeps up for about four hours, fading towards midnight, our time. I like your programmes very much, and feel proud that your station makes such a good show. You have probably heard from many other listeners in New Zealand, who no doubt give you praise, which is well deserved. And here I add mine, too. Wishing you every success."

Knew he was in for a Treat

From Harvey, Western Australia :---"When I saw that Cecil Madden was coming to light with 'Live Records' and 'Gossip Hour No. 4' in the Empire programme supplement in WORLD-RADIO, I knew I was in for a treat. I made no mistake. For both items were very good indeed.

were very good indeed. "I was sorry that I missed the Water Rats Variety, but truth to tell I failed to wake in time to hear it in Transmission 4 at 4.5 a.m.; but it was my intention to hear it, as anything pertaining to entertainment of that nature I do not miss, if I can help it. Mr. Tommy Scales in 'Living Dangerously' was very interesting; but Sir James Jeans is the best of them all, although I have no doubt there are many who do not think the same as I, and would not give that item first place in the 'talk' stakes."

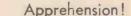
"The Best Relay we Have Had"

From Hong Kong (viâ Cheshire) :--

"We listened last night to a relay from Daventry of the wedding service of Prince George. We heard every word of the commentator giving a full account of the procession; also the loud cheers of the crowd. It was the best relay we have ever had, every word came through perfectly. It seemed very wonderful to think that the service we were listening to was actually taking place as far away as London. It was thrilling and interesting."

A Letter Apart

From Sea Point, Cape Province, South Africa :--"Just a line to tell you how much I appreciate your programmes, which I consider suit everybody in this country. I have no complaints to make whatsoever (this is probably the only letter sent to you that has not !). To-night we are all grouped round the set enjoying a marvellous item from your remarkable repertoire--it is none other than Our Miss Gibbs. Your programme is coming over at R8; there is no fading, and I think reception is remarkable. I receive these programmes every night from GSB, also on GSD. To-night I heard the News from GSA at R5."



From Pietermaritzburg, Natal, South Africa :--

"On November 3' In Town To-night' was an excellent item. It contained variety, and every word was distinctly heard. On November 1 Mr. Howard Marshall was also very clear. He provided an excellent talk. But in regard to 'In Town To-night' the B.B.C. engineers give us nerves ! In changing the aerial system at 7 p.m., G.M.T., there is a break of about a minute. This minute seems like an hour, and we imagine that something of 'In Town To-night' is going to be missed. This will indicate to you the popularity of this item."

Relays Not Well Received

From Durban, South Africa :--

"A few general remarks : relays do not as a rule come through well, as my log bears out. My own personal like and vote goes to Sir Walford Davies; twice I have enjoyed his talk on music, once disappointed through X's. Enjoy 'In Town To-night' immensely. The programme as a whole I think very fine, and a great credit to all concerned, and right now give thanks to its authors."

FROM the London office of the Melbourne Argus we have received a very useful booklet, pocket-size, containing particulars and dates of outward and homeward mails, by various routes, between London, Australia, and New Zealand, for 1935; tables of steamer sailings; postal rates; and a track chart denoting time differences, etc. Copies may be obtained free from the London office of the Argus, 80, Fleet Street, E.C.4, or by post in return for a penny stamp to cover postage.

IN next week's issue will be published a first hand account of the broadcast from the South African fruit farm which formed part of the Christmas Day "Empire Exchange" programme.



Penang Radio Exhibition. B.B.C. publications were paid a striking tribute

Penang Wireless Exhibition

THE Wireless, Gramophone, and Allied Trades Exhibition organised by the Penang Wireless Society, which was held in the grounds of the Penang Turf Club from December 6 to 8, appears to have been an unqualified success. The Exhibition was opened by his Excellency the Governor, Sir Shenton Thomas, speaking from Singapore, and speeches were also made by the President and Vice-President of the Society. Simultaneously with the opening of this Exhibition began the official life of the Penang Wireless Society's new broadcasting station, to which has been given the call-sign of ZHJ and a wavelength of 40.4 metres. This new station is capable of giving a greatly improved transmission, and in the course of its tests it has been found that it could be satisfactorily received over a wide area. It is one of the aims of the Society to rebroadcast the Empire Transmissions through this station ZHJ in such a manner that they can be received on a very inexpensive receiver.

"There is no doubt that we in Malaya now have every encouragement to be wirelessminded," said Sir Shenton Thomas in his opening speech. "The recent development of short-wave Empire broadcasting is in itself enough to justify possession of a receiver. The highly successful reception of such important items as the Christmas broadcast from his Majesty the King, the launching of the *Queen Mary*, the Armistice Day Service at the Cenotaph, and the recent Royal Wedding, to say nothing of boat-races, Grand Nationals, Derbys, and the like, makes us feel that England and the Empire are very close indeed." A very large gathering, including all the officials of the Penang Wireless Society, reassembled again after 9.30 p.m., to hear the special broadcast greetings from London, which were conveyed by the Chief Engineer and the Empire Programme Director of the B.B.C. A specially enlarged photograph of the Empire Transmitting Station and copies of B.B.C. publications were displayed on a stand kindly allocated for the purpose by the Penang Wireless Society.

Canadian Parliament Broadcast

It was arranged to broadcast the proceedings of the Canadian Parliament on Friday, January 18, as that was the opening of the last session on which the Earl of Bessborough, the Governor-General, could read the Speech from the Throne, as he concludes his term of office in the autumn.

New Station for India

The High Commissioner for India in London has placed a contract for the supply and erection of a 20-kW broadcasting station at Delhi. This is the first step towards the accomplishment of the Indian Government's policy of extending broadcasting in India, announced by the Viceroy in August last year. Work on the manufacture of the equipment for the Delhi station is to begin immediately at the Marconi Works, Chelmsford. The transmitter will be of advanced design, incorporating the most modern developments of broadcasting technique, and with its unmodulated aerial energy of 20 kW it will be several times more powerful than any broadcasting station previously crected. in Indialu a Foreign Languages

JANUARY 25, 1935

The German equivalents for the English expressions, based on Lesson 8, given in the last issue of WORLD-RADIO.

1. Wann (or um wieviel Uhr) stehen Sie morgens auf ? 2. Heute morgen bin ich spät aufgestanden. 3. Sie geht jeden Morgen spazieren. Or Sie macht jeden Morgen einen Spaziergang. 4. Morgens arbeite ich am besten. Or, normal order, Ich arbeite morgens am besten. 5. Bitte, wecken (lit. rufen) Sie mich pünktlich um halb sieben (or Punkt halb sieben) ! 6. Es war sehr spät, als wir aufwachten.* 7. Heute ist das Wetter gut. Or, normal order, Das Wetter ist heute gut. Or, normal order, Das wetter ist Atmen Sie 8. Was für ein schöner Tag! 9. Atmen Sie tief ein! 10. Haben Sie das heisse Wasser im Badezimmer angestellt ? II. Ich will erst das kalte Wasser abstellen. 12. Jede moderne Wohnung hat eine Brause im Badezimmer. 13. Nachdem ich mich abgetrocknet hatte, zog 13. Nachdem ich mich abgetrocknet natte, zog ich mich schnell an. 14. Sie trocknete die Teller ab: 15. Wann baden Sie, morgens oder abends ? 16. Ich habe diese Seife noch nicht gebraucht (or benutzt). 17. Man gebraucht eine Bürste zum Bürsten und einen Kamm zum Kämmen der Haare. 18. Sie hat sich schnell angezogen. 19. Hat sie den (or ihren) neuen Wintermantel angezogen ? 20. Jeden Nach-mittag sass er mehrere Stunden (lang) an seinem Schreibtisch. But 21. Er setzte sich an den Tisch. 22. Wir haben unsere Ferien in der Schweiz sehr genossen. 23. Um wieviel Uhr frühstücken Sie ? 24. Ich trinke Tee zum Frühstück, aber die andern trinken Kaffee. 25. Manchmal essen wir Apfelsinenmarmelade und manchmal Erdbeermarmelade sum Tee.

* Note that in a subordinate clause the stressed separable prefix rejoins its verb : Als wir aufwachten ; but, principal sentence : Wir wachten auf.

Key to Lesson 24, continued, pp. 119-120. C. For simplification the sentences have been re-numbered. I. Köln ist die (or diejenige) Stadt, diet ich am liebsten habe. Cologne ist the (or that) town which (or that) I like best. 2. Das (or Dasjenige), wast ich besonders schön finde, ist der Dom. Or, shorter, Wast ich besonders . What I like especially is the cathedral. 3. Alle die (or diejenigen), diet ihn einmal besucht haben, werden ihn auch ein zweites Mal besuchen. All those who have visited it once will visit it again. 4. Er hört nie auf das (or dasjenige), wast man ihm sagt. He never listens to what (=that which) one says to him. 5. Er ist nicht zufrieden mit dem (or demjenigen), wast er hat. He is not content with what (=that which) he has. 6. Kennst du die (or jene) dort (d.h. die Leute dort)? Do you know those people over there ? 7. Ja, ich kenne den (or diesen) rechts [d.h. den (or denjenigen) Herrn, der† rechts steht], aber den (or diesen) links habe ich noch nie geschen Yes, I know the one on the right (i.e., the man who stands on the right), butI have never seen the one on the left before (lit. yet, noch). Nr. 6 can also read : Kennst du die(jenigen), die† dort stehen ?

Words above followed by a dagger are relative pronouns :--- verb comes last.

It is not so important for students at this stage to recognise the determinative pronouns or adjectives which are merely a special kind of demonstrative pronoun or adjective, such as dieser, jener. The relative pronouns der, die, dieser, jener. das, or welcher, welche, welches, however, are very important, as they throw the verb to the end of the clause. Der, die, das are preferred to welcher, welche, welches in ordinary speech or writing. Was is also used as a relative pronoun, but only after words such as das(jenige), alles, nichts, etwas. For examples with das (jenige) see sentences No. 2 and 4 above. Note that the determinative pronouns or adjectives derjenige, diejenige, dasjenige are often replaced by the shortened forms der, die, das. For examples with alles, nichts, etwas see last issue of WORLD-RADIO.

> (To be continued.) MAX KROEMER.

FRENCH

Tuesdays, 6.5 -7.20 p.m. (National Programme). A. Remarks on Pronunciation

French Vowel No. 9 is u. In the vast majority of cases this vowel is spelt with the letter u, \hat{u} . Ex. : du, tu, plume, fût, pupitre, etc.); but in a few French words we find the spelling eu or e^{i} (Ex.: j'ai eu, nous eûmes, vous eûtes, gageure, etc.). As is usual in French, the vowel u is found short and long in the language, without any change in the acoustic quality of the sound.

Most English people find this a difficult sound to imitate correctly. Imitation is, of course, the natural and best method; unfortunately it often fails, especially in the case of grown-ups. Here are a few hints that will prove helpful, I hope. B. How to acquire French Vowel u.

(1) Put your lips in the same position as for Vowel No. 8 ou; e.g., purse them up and hold them in a close rounded position. With your lips in that position, try as hard as you can to say your English Vowel ee (as in see). The result will be a very near approximation to French Vowel u. Use a small mirror to make sure that your lips are right.

(2) Start by saying your English Vowel ee (as in see, tea, be, etc.). Then, while holding on to the Vowel, purse up your lips to the close rounded position, without moving your tongue from the English ee position. The result should be a good French u. If you allow your tongue to move back ever so slightly, while moving your lips forward, the result will not be the the French Vowel u.

(3) Finally, here is another method which gives good results. Place your tongue and purse up your lips so as to be able to whistle a highpitched note. Then, without moving your tongue or lips, replace whistling by voice. This should give you a good French u. Loud laments from those who cannot whistle !

C. Key to Exercise B. P. 46, Nelson's First French Course.

(1) Ces enfants se lèvent à huit heures. (2) En hiver nous nous couchons à neuf heures. (3) Ma petite sœur se couche à sept heures et se lève à huit heures. (4) En été il fait jour à quatre heures. (5) Au printemps nous nous levons à sept heures. (6) En automne il fait nuit à six heures. (7) Je me lève à sept heures ct je me couche à neuf heures. (8) Nous nous levons à sept heures et nous nous baignons à huit heures.

D. Key to Exercise C. P. 47, Course. Specimen Answers to the questions.

(1) Je me lève à sept heures. (2) Oui, j'en ai un. Il se couche à huit heures. (3) Oui, j'en ai une. Elle se lève à neuf heures. (4) Oui, 16 i i institute de leve à neuf heures. il fait jour, à six heures en été. . . . Non, il ne fait pas jour à six heures en hiver. (5) En été, je me couche à dix heures. En automne, je me couche à neuf heures.

E. Key to Exercise B. P. 48, Course.

(1) Les moutons ne trouvent, pas d'herbe sous ces grands arbres. (2) Cherchez votre montre dans votre chambre. (3) Nous nous levons tous les matins à sept heures et demie. (4) Le bateau arrive à six heures moins le quart. (5) Ils se promènent dans la forêt tous les soirs.(6) Il y a une petite pendule sur la cheminée. (7) Ces petits garçons apportent du bois sec de la forêt. (8) La mère couche son petit garçon à six heures.

E. Key to Exercise C. P. 48, Course.

Specimen Answers to the questions. (1) A cinq heures du matin je suis au lit. A cinq heures du soir je suis à la maison. (2) Le bateau arrive (*il arrive*) à six heures et quart. (3) Votre montre est (*elle est*) dans votre poche.

(4) La bergère est (elle est) assise sous l'arbre.(5) Le chauffeur apporte le journal. Le paysan apporte le bois. (6) Il y a dix chaises (il y en a dix) dans cette salle. (7) Nous sommes dans la salle de classe. (8) Oui, monsieur, il y a une pendule (il y en a une) dans ma chambre. Non, monsieur, il n'y a pas de pendule (il n'y en a pas) dans ma chambre.

Key to Exercise V (A). Pp. 126-127, Course. \mathbf{F}^{\prime} (1) Le pêcheur se lève à trois heures du matin en été. (2) Les enfants se lavent tous les matins. (3) Quand il fait nuit nous nous couchons. (4) A quelle heure fait-il jour au printemps ? (5) Pendant les vacances nous nous levons à scpt heures et demie tous les matins. (6) Ce pêcheur attrape beaucoup de poissons pendant la nuit. (7) Quand il fait jour il se couche. (8) Je suis au lit quand le petit garçon apporte nos journaux.

G. Here is a short English passage with the French translation, for the benefit of more advanced students,

(a) She may have been blooming and plump when she was eighteen ; but there was now no trace whatever, either of the whiteness of her skin, or of the pretty colouring she boasted of having had. The tones of her flesh had taken on a sallow tint. Of all her features, her Roman nose was the one which contributed most to express the despotism of her ideas, just as the flat shape of her forehead indicated her narrowmindedness. A curious jerkiness in her movements, precluded all grace and you had but to see her take her handkerchief out of her bag to blow her nose noisily, to realise her character and habits.

(b) A dix-huit ans, elle avait pu être fraîche et grasse, mais il ne lui restait aucune trace ni de la blancheur de son teint, ni des jolies couleurs qu'elle se vantait d'avoir eues. Les tons de sa chair avaient contracté une teinte blafarde. Son nez aquilin était celui de tous les traits de sa figure qui contribuait le plus à exprimer le despotisme de ses idées, de même que la forme plate de son front trahissait l'étroitesse de son esprit. Ses mouvements avaient une soudaineté qui excluait toute grâce ; et rien qu'à la voir tirant son mouchoir de son sac pour se moucher à grand bruit, vous eussiez deviné son caractère E. M. STÉPHAN. et ses mœurs.

GERMAN

Thursdays, 6.50-7.20 p.m. (National Programme). Translation of the Reading Text, Lesson 24, Reader p. 117 (lines 20-33). Berlin has many beautiful things to show (to) the visitor, including (lit. to this belongs also) its surroundings. Large woods, broad rivers and lakes are near the town and can be reached in a short time by tram or bus. On one of these lakes, the Wannsee, there is an open-air swimming-bath to which, not thousands, but tens of thousands (of people) troop on fine Sundays. The beach is a thousand metres long; the restaurants, cloakrooms, etc., form a little village.

As Paris has its Versailles, so Berlin has its Potsdam. In Potsdam the Prussian princes and kings used to live. The castle and magnificent gardens (which are) laid out entirely in the French style, go back to Frederick the Great. The garrison church, which contains the tomb of the great Prussian king, is also famous

In answer to a few letters I have received lately from listeners, who find some of the exercises too difficult, I wish to say that I do not expect every listener to the course to do all the exercises set. Those marked "for more ad-vanced study" may be left out for the time being. They are chiefly intended for those listeners who ask me to set more work and wish to get on more quickly.



A Breton festival: a talk on "La Bretagne, inspiratrice de musique" will be given from Paris PTT on Friday, February 1, at 8 p.m.

SPANISH

Notas Lingüístacas

Tradúzcase al español de memoria, después de haber estudiado las explicaciones

MISS EARHART is the first woman to cross the Pacific by air. It is her third record, for she was also the first woman to fly the Atlantic alone and to span the United States from Los' Angeles to Newark, N.J., in a non-stop solo flight.

Ten fliers have perished in making the Pacific attempt. The flight was made in face of strong opposition by the U.S. Navy, owing to the recent disaster to Mr. Ulm during a similar effort. . . . On arriving, Miss Earhart did not circle round the landing field, but shot down so rapidly that the watchers were uncertain of her identity, and rushed into the field. It looked for a few minutes as if her propeller was likely to cut into the running spectators. The landing, however, was completed in safety. Miss Earhart, who was fresh and smiling, was greeted with a mighty cheer from the crowd. Before leaving the 'plane she was seen to powder her nose. " I am so tired," were her first words on landing.

Miss Earhart es la primera mujer que ha atravesado a vuelo el Pacífico.

Tratándose de apellidos extranjeros se suele emplear el término de cortesía del mismo idioma (Miss, Mrs., Herr, Monsieur, etc.). Pero si se quiere traducir "Miss" en este pasaje, hay que emplear el artículo : La señorita Earhart, porque se habla de ella, no a ella. " by air " por el aire, pero creo que Vds también preferirán me traducción: a vuelo.

Es su tercer récord, pues también fué la primera mujer que atravesó el Atlántico sin acompañant aviadora, y que voló sola de un lado al otro de los Estados Unidos (EE.UU.) desde Los Angeles a Newark, N.J., de un tirón. Ha pasado al español el término inglés

"record." No se puede traducir palabra por palabra " to fly the Atlantic," y he tenido que traducir " to span" dando el significado con varias palabras. Los dos adjetivos " non-stop ' y "solo" (flight) han necesitado alguna trans-formación. He traducido "solo" por sola por sola (alone), introduciéndolo como adverbio modificando el verbo voló. En cuanto a " non-stop " mi traducción de un tirón, es una locución adverbial muy corriente que significa hacer una cosa de una vez (sin intérvalos). Podría decirse : sin hacer alto, o : sin detenerse, pero de un tirón es más adecuado, porque es afirmativo. No creo necesite (subj) explicación el giro de la oración.

Ella emprendió su hazaña contra la fuerte oposición de la marina de los EE.UU., debida

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ésta al desastre réciente ocurrido a Mr. Ulm durante una tentativa parecida.

"The flight was made," se hizo el vuelo, pero en vez de esta construcción, tan impersonal, me parece mejor introducir ella como sujeto del verbo emprendió (undertook) y para evitar la repetición de vuelo, uso hazaña (exploit). Pueden Vds substituir de los EE.UU., por el adjetivo estadounidense (terminación invariable) que emplean algunos escritores. Ven Vds que inserto el pronombre ésta, (refiriéndose a oposición) para aclarar más el significado. effort " esfuerzo, pero tentativa es adjectivo más indicado aquí.

Al llegar no dió vueltas al campo de aterrizaje, pero aterrizó tan rápidamente que los espectadores no estaban seguros de su identidad, y se precipitaron sobre el campo (de aviación).

Sin duda se habrían Vds acordado de la regla gramatical acerca de pero y sino. (Folleto p. 14).

Por unos momentos parecía que la élice (del avión) se iba a cortar camino (o abrir camino) entre la concurrencia.

En el diccionario hallarán : " running " : corriente. Este adjetivo se usa al hablar por ejemplo del agua corriente (en el lavabo o en una fuente) pero concurrencia corriente, resultaría horrible, imposible. Podríamos obtener el sentido con una cláusula : que avanzaba corriendo, sin embargo me resulta innecesario, por haberse dicho antes que se precipitaron los espectadores, etc.); y además esta clásula estropea (spoils) el estilo de la oración. Pero empléenla si prefieren.

El aterrizaje, sin embargo, se llevó a cabo sin percance.

La traducción de : " to arrive safely, or in safety" (after an ordinary trip) es llegar sin novedad. Aquí se trata empero (synonym of pero) de un viaje arriesgadísimo, culminado en un aterrizaje lleno de peligros, tanto para la aviadora como para la muchedumbre, conque se debe usar sin percance.

Con vitores ensordecedores, acogió la muchedumbre a la fresca y sonriente Miss Earhart.

"A cheer" un vitor (pl. vitores); to cheer: vitorear; long live: viva (subj); mighty: poderoso; pero "mighty cheer": (que en español resulta mejor en el plural) vítores ensordecedores (deafening cheers).

Antes de salir ella del aeroplano (avión) la ieron ponerse polvos. "Estoy tan cansada" vieron ponerse polvos. "Estoy tan cansada" fueron susprimeras palabras al apearse. (o: fué lo primero que dijo al 'apearse).

Suele el alumno confundir polvo : dust, y olvos : powder. "To powder one's nose" polvos: powder. "To powder one's nose" ponerse polvos. Observarán Vds que he con-"she was seen to"... A algunos de Vds tal vez les extrañe (surprise) que no haya traducido " on landing " por las palabras al aterrizar, como en el caso anterior. Empleé al apearse porque aterrizar es lo que hace el avión, en cambio apearse (to alight) es lo que hace la persona, y si se, tratase de un vapor, se traduciría "on landing" por : al desembarcar. Ya ven Vds que no hay que traducir la misma palabra siempre del mismo modo. Se debe desechar el cascarón (shell) o sea la apariencia, y analizar el significado, como acabo de hacer en estos ejemplos. María F. de Laguna.

Esperanto Transmissions

ESPERATIO ITANSMISSIONS Sunday-Lille PTT Nord, 9.30 a.m., Course, Informoi, Lyons-la-Doua, 9.45 a.m., Course. Leiningrad, 4 p.m., Parolado, Tuesday-Huizen, 6.20 p.m., Course. Radio-Lyons, 6.45 p.m., Course. Tallinn, 7 p.m., Course. Radio-Lyons, 6.45 p.m., Course. Tallinn, 7 p.m., Course. Minsk, 9.5 p.m., Course. Leiningrad, 9.20 p.m., Tra USSR dum dektago." Wednesday--Vienna and relays, 9.20 p.m. A Denks: "Innsbruck, dua Antaú-kongresurbo de Romo." Moravská-Ostrava, 9.30 p.m., Prof. L. Kraje: "Kiel servas Esperanto al la ĉeĥoslovaka respubliko." Thursday-Paris PTT, Limoges, Alpes, Grenobles, 5.30 p.m., Course, Parolado Warsaw and Cracow, 9.45 p.m., Prof. Zerndt: "La lando de nigraj diamantoj-supra silezio." Friday-Nice-Juan-les-Pins, 7.30 p.m., Course. Lisbon (291 m.), 9 p.m., Course. Saturday-Lyons-la-Doua, 8.10 p.m., Informoj. Minsk, 9.5 p.m., Parolado, Leningrad, 9.20 p.m., Parolado pri USSR.

The Eloquence of Music

THERE seems to be an almost universal delusion that radio propaganda can be carried on only by means of talk. When, some months ago, Sir Norman Angell and Brigadier-General P. R. C. Groves discussed in this journal the question, "Can Broadcasting Stop War?" the arguments centred on the possibilities of broadcast speech. When Governments desire to use radio as a means of gaining support or allaying hostility, they usually treat words as the essential part of the plan.

Fortunately, the value of music as propaganda for peace is not diminished by the general failure to recognise it. Music that is broadcast only for its broad cultural value is not hampered in its peace work by the fact that it is not intended as propaganda.

It seems strange that the value of music in creating a tendency towards international friendliness has not been more generally recognised. For this tendency is merely a natural extension of a new feeling towards our more immediate neighbours which the broadcasting of music has given to most of us. The man who lives across the road was merely "the fellow who lives at Number 93" until rumour or the sounds of music from his house revealed that he was a man of intelligence—that is to say, that he shares your musical tastes. Your musical likings may be represented by Henry Hall, or by Sir Henry Wood ; but you are almost bound to have an undercurrent of respect for the man who shares your taste, even if bills in his windows at election times indicate that his intelligence does not govern his political choice.

Likeable " Foreigners "

The wireless programmes which we enjoy from abroad are an indication that the listeners for whom they are chiefly intended-the people who live in the countries from which the pro-grammes come-are not just "foreigners." Among them there must be some very likeable fellows, chaps with a sound taste in music ! You may sometimes dislike the form of government under which they are living, but you are willing to overlook that just as willingly as you disregard the election bills in the window opposite.

It would be difficult nowadays to convince us that people who live abroad are to be condemned as barbarians simply because they are reputed to have queer habits. In pre-broadcasting days it was possible to encourage a warlike feeling by skilfully enlarging rumours; a skilfully-prepared report that "those foreigners" actually ate frogs could be made to breed bitter sentiments! Nowadays, however, our wireless sets give us first-hand evidence that people in other countries. share our own musical tastes, and can therefore be regarded as eccentric rather than as wicked for having other tastes that differ from our own.

As peace propaganda, music has two particular advantages over speech. It gives its message to every listener, however limited his knowledge of foreign tongues may be; and it preaches peace whatever the intentions of the broadcasters may be. A Government that desired war could speak war to other nations just as effectively as it can speak peace. But musical broadcusts would remind us that, whatever the powers temporarily in charge of broadcasting might say, the people whom we were invited to hate were still people whom we could respect.

But it may reasonably be hoped that such a situation will never arise. For the increasing friendly tendency which broadcast music is breeding among the peoples of various nations will surely persuade those peoples never to allow themselves to be misrepresented by a Govern-R. A. S. ment that desires to speak war.

LAST WEEK'S LISTENING

AT HOME

ALTHOUGH the promise of frost and snowy weather was not fulfilled during the period under review, the unsettled conditions resulted in one or two rather poor nights for long-distance reception.

Broadly speaking, however, the week was a good one, and I was well pleased with the excellent daylight results. Brussels No. 1 and No. 2 were well received in the forenoon; Poste Parisien came through splendidly; Athlone was good; Hilversum, Heilsberg, Hamburg, and Göteborg were heard comfortably on the loudspeaker throughout the daytime. A good five-valve receiver, with an average aerial, was used.

The Long Waves Improve

Long-wave reception, without a doubt, was much better than it has been for some time. Huizen did not suffer from interference so badly, and Kalundborg gave a very good run of results throughout the week. Radio-Paris was excellent, and the Deutschlandsender, with the exception of the Thursday evening, came in well. The interference on Luxembourg was rarely strong enough to spoil reception, and Warsaw had several very good nights.

The newcomer to this waveband mentioned by readers was no doubt Budapest No. 2, which has been heard once or twice on 834.5 metres at moderate strength, but the station does not appear to be working regularly yet. Budapest No. I was quite up to its usual good form, and Wilno came in very well on several evenings. Beromünster, Athlone, Stuttgart, and Vienna were all well received, and Florence was most reliable apart from a weakness on the Thursday. Cologne was steady, and Prague gave good results. Lisbon and Trøndelag were excellent signals in turn on the Saturday. Sottens was better on the Tuesday, and first-rate on the Saturday. Lyons (La Doua) and Paris PTT were received well on almost every night, and Stockholm gave little cause for complaint.

Rome was not quite up to form on some nights; Genoa, Bari, and Turin had their good nights; Genoa, Barl, and Turin had their good nights and bad ones. Milan was excellent from the Monday to the Wednesday, poor on Thurs-day, moderate on Friday, and excellent on Saturday

Munich and Leipzig gave splendid results at all times, and Katowice was much more reliable than it was some weeks ago. Berlin, however, was first-rate throughout the week. Strasbourg was usually quite clear of interference, and Hamburg was one of the leading stations on every occasion. Graz varied somewhat almost nightly, but its performance on the Saturday was particularly fine. Radio-Toulouse came in very well on most nights, and Brno was well heard on the Friday and the Saturday.

Strength of Algiers

Göteborg's evening transmission suffered a great deal from interference by Algiers, the signals from which are quite strong at the moment. Breslau, Poste Parisien, and Brussels No. 2 were an excellent trio at all times, and Hilversum, on the whole, was good. Bratislava's best night was on the Wednesday, but the station was always to be heard on other days.

Heilsberg was heterodyned on each evening, but the interference was not too unpleasant. Rennes was moderately good ; Bordeaux usually first-rate; and Bari came in especially well on the Tuesday.

Madona and Kosice have appeared very regularly in my Log recently, while Monte Ceneri, too, has given some very fine performances. Hörby was good on occasion, and Copenhagen can be relied upon night after night for splendid results. Trieste gave good results on every night but the Fhursday, and Madrid was quite good on several evenings.

WORLD-RADIO

San Sebastian's best night, strangely enough, was on the Thursday, when so many of the other stations were below their usual form, and although a heterodyne was present, reception was quite good. Gleiwitz and Nürnberg were both well heard in turn during the week. "Northerner."

INTERFERENCE

PROPAGATION conditions between January 13 and 19 have been erratic : a number of stations usually providing relatively steady signals were affected by rapid fading, accompanied by heavy distortion. The fading was particularly noticeable on stations using shared frequencies; during the deep fades of one station, the programme of the associated transmitter was quite audible and badly interfering with the other. Stations especially affected were Lyons, Radio-Strasbourg, and Radio-PTT Ouest (Rennes).

On January 13, the Scottish Regional transmitter (804 kc/s) was badly heterodyned by Barcelona EAJ1 (Union-Radio), once more off its allotted frequency of 795 kc/s, and working on 802 kc/sonly 2 kc/s from Scottish Regional. On the following day the interference on Scottish Regional was removed, but Barcelona worked on about 788 kc/s up to 9 p.m., and thus heterodyned Leipzig, using 785 kc/s. Milan was badly heterodyned—also on January

13-as a result of the presence of Bucharest on 818 kc/s, instead of 823 kc/s. This provided only a 4-kilocycle separation between the two stations.

Kuldiga, the new Latvian station, of io kW power, has been seriously misadjusted on several occasions and was working on frequencies very close to that of Radio-Nice-Juan-les-Pins-1,248 kc/s. The French station, generally well-received, was badly heterodyned, as Kuldiga's signal is powerful. The Latvian station should work on 1,258 kc/s, together with Rome III and San Sebastian.

As Torun, the new 20-kW Polish transmitter, is operating regularly on 986 kc/s (together with Genoa), Cracow has worked since January 10 on the 1,022 kc/s frequency allotted to Spain and occupied by Barcelona EAJ15 (Radio-Associacion). EAJ15, the signals from which are unsteady and over-modulated, is now badly heterodyned. L. B.

STATION IDENTIFICATION PANEL RADIO-PTT OUEST

(RENNES, FRANCE)

FREQUENCY : 1,040 kc/s

WAVELENGTH : 288.5 m.

POWER (COPENHAGEN) : 40 kW.

DISTANCE AND BEARING FROM LONDON: 248

miles; 197°. CALL: "Allô! Allô! Radio-PTT Ouest à Rennes!"

Man announcer.

Closes down with the usual French formula, followed by a few bars of a Breton tune.

Independent programmes; also relays Paris (FPTT), and other PTT stations.

ERRATUM

The wavelengths of Budapest No. 2, which appeared under the heading of "Relay Stations" in the Identification Panel for Budapest published in our last issue, were wrongly given. The correct wave-lengths are as follows: 834.5 metres, 359.5 kc/s, 20 kW; 227.1 metres, 1,321 kc/s, 0.8 kW.

Romanian Journey

BUCHAREST, capital of post-War Greater Romania, that rather unknown, vast country which stretches from the Ukraine steppes in the east to the Magyar hills in the west, may well claim a place among the most modern cities of Europe.

Romania is the only Balkan country with a well-organised broadcasting system, and, indeed, her radio activities compare favourably with many older European broadcasting services. As readers of WORLD-RADIO know, Romania has a national station at Bucharest and two regional transmitters, while a 150-kW station is now in course of erection.

Broadcasting Activities

Romanian broadcasting, I learned, began in 1928 with the formation of the Romanian Broadcasting Company, really a joint stock concern, in which the State possesses the controlling financial interest. There is a sliding scale of licence fees, varying with the type of receiver and the location of the listener, and 30 per cent. of the fees is retained by the Government.

The studios are in the heart of the city, and here the progressive note is shown by the recent addition of a symphony studio, about 70 ft. by 60 ft., well-equipped staff offices, and an artists' cafeteria. There is also a Post Office bureau for checking licences and tracking down "pirates," for Romania is stricter than other European countries in that respect.

The actual equipment at the Bucharest transmitter, which is situated in picturesque surroundings some miles out of the city, has no features of outstanding interest; but the building itself is of novel design, in contrast with the standard construction generally adopted throughout Europe. It is the only transmitter in Europe to be guarded by watch-dogs.

The general manager, Ing. G. Munteanu, who came to London last year for the Assembly of the International Broadcasting Union, is assisted by a competent executive staff, including musical, literary, and "radio journal" directors. The announcer who is best known to English lis-teners is Mlle. Cretzoi Magda, and there are also three men announcers.

The programmes, I found, do not vary greatly from other European transmissions, and most kinds of entertainment are given. Advertising is limited to about 1,000 words daily. Romanian broadcasting pays special attention to adult and juvenile education. The school sessions are arranged in co-operation with the Ministry of Education, and are designed to be a continuation of the school curriculum and a guide to teachers. The State hopes eventually to equip all schools with sets, though the Italian example of designing a special receiver has not yet been followed.

History and Folk-lore

Romania's rich history, folk-lore, music, and literature provide a mine of broadcasting material. Inspiration abounds in her customs, her "Robin Hood " ballads, her elegies, love poems, dance songs, and Romance music. All of them breathe of Carpathian spurs and valleys, of shepherds in richly-embroidered sheep-skin garments, tight woollen trousers, and leather sandals, and of peasant women in Thracian head-dress, glittering necklaces, and long dresses of colours that vie with the rainbow. The future 150-kW station should be able to provide some interesting programmes.

And after Bucharest a Romanian journey is rewarded by glimpses of the university cities of Cernauti, Jassy, and Cluj, where the Broadcasting Company intends to install regional stations at a later date.



TO LOUDSPEAKER

In this article, the fifth of the series, the function of the receiving aerial and the method of tuning it to a particular wave are described.

FROM MICROPHONE

WE have seen that wireless waves are electrical disturbances or vibrations in the ether set up by electric currents flowing in a wire or wires, called the aerial, at the transmitter. It seems natural to suppose, therefore, that these disturbances in the ether will produce corresponding electric currents in any wires which they encounter in their passage through space. Such is the case, and we are able to convert these ether vibrations back into their original form of electrical vibrations along wires by erecting an elevated wire or receiving aerial in which these are produced. They can then be led along further wires and dealt with as necessary to convert them into the corresponding sound waves of the same nature as those which produced the original electrical vibrations in the microphone circuit.

Tuning the Aerial

It is fairly obvious that if the dimensions of the receiving aerial are only small compared with the wavelength of the waves to be received, the currents induced in the aerial will not be so great as they would be if the dimensions of the aerial were comparable with the wavelength. We saw the necessity for using long aerials at the transmitter if waves of low frequency or long wavelength were to be radiated easily. The same reason applies in connexion with the receiving aerial.

Maximum current will be produced in the receiving aerial when the latter is *in tune* with the transmitting aerial, or, as we say, tuned to the frequency of the waves to be received. This is a similar case to the tuning of musical instruments. If a violin or piano string is set in vibration to produce sound waves, a similar string tuned to the same note will also be set in vibration if these waves reach it. The same effect can be obtained by using tuning forks.

A long string is necessary to respond to a note of low frequency and a short string to respond to a high note, if the strings are made of the same material and are of the same thickness. It is well known, however, that a thick string tunes to a lower

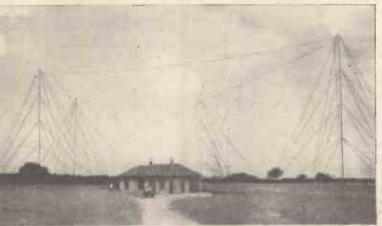
however, that a thick string tunes to a lower note than a thinner one of the same material and length. Also, a short pendulum will swing faster than a longer one unless we add a heavier weight to it. These examples give us a clue to what is required at a receiving aerial. We can adjust the length of the wire to make it tune to the required frequency, or we can add something to it to alter its electrical characteristics for the same purpose.

It is obviously impracticable to erect an aerial which will have a length anything like the wavelength's used for long-wave broadcasting. Such wavelengths are in the neighbourhood of 1,500 metres, or about 5,000 feet. On short waves, however, say of 30 metres wavelength (100 feet approximately) the problem is not so difficult, and it is possible to erect aerials having dimensions comparable with these wavelengths.

The problem is further complicated by the fact that it is seldom that a receiving aerial will be used for the reception of waves of only one wavelength. We are therefore faced with the necessity for providing some means of adjusting the tuning of the aerial if we are to receive signals at will from different stations. And, further, we desire to receive one station only at a time, so we must take care that our tuning is sufficiently sharp to prevent interference from unwanted stations.

Tuning Circuits

It is not essential, however, that the aerial itself should respond only to one frequency at a time. Provided the strength of the currents of the particular frequency we want is sufficiently great compared with the strengths of currents produced by other stations of different frequencies, we can get rid of the unwanted currents by employing circuits in the receiving apparatus which permit the passage of currents of the desired frequency only. In other words, these circuits are tuned to the desired frequency. They are in effect aerials of the desired wavelength coiled up into a compact form so that they are not influenced by wireless waves, but permit the passage of electric currents of the particular frequency to which they are tuned when they are connected to the aerial or other circuit in which such currents are already flowing.



Receiving aerials at the B.B.C. checking station, Tatsfield

These tuned circuits can be composed simply of the necessary length of wire coiled up to form what is called an *inductance coil*, and all or part of such coils can be used by providing connexions at various points on the coil so that different lengths of wire can be used to tune to different wavelengths. The necessary sharpness of tuning cannot usually be obtained, however, by such an arrangement, and it is customary to employ in addition what is called a condenser.

Any two pieces of metal placed close to each other are capable of storing electricity, and their *capacity* for doing this depends on their dimensions and the distance they are apart. A length of wire possesses this property as it is composed of a whole series of pieces of metal between each of which this capacity exists. It is evident, therefore, that if our receiving aerial or tuning inductance is not of the right dimensions to tune to the required wavelength, we can add the necessary amount of metal surface in the form of metal plates placed close to each other. By adjusting the distance between such plates we can vary the capacity between them and so alter the tuning of the circuit. It is customary, therefore, to employ a fixed length of wire in the form of an inductance coil for each wave-range covered by a receiver, and to adjust the wavelength throughout that range by means of a condenser in which the distance between its plates can be varied.

In order to tune the aerial, the additional inductance coil or condenser, or both, can be added at the middle of an elevated wire which forms the aerial, by running wires from them to a break in the middle of the aerial. This arrangement is often used on short waves. On longer waves, however, the surface of the earth is used as part of the aerial, and the tuning circuit is connected between the bottom end of the aerial wire and the ground. The surface of the earth is a partial conductor of electricity and therefore adds to the effective length of the aerial. It is, of course, important that there should be good electrical contact between the tuning circuit and the ground, or the flow of the electric currents will be impeded.

Similar arrangements are employed at the transmitter in order to tune the transmitting aerial to the frequency of the waves to be radiated, so that maximum current

radiated, so that maximum current is produced in the aerial, and maximum disturbance created in the surrounding ether.

Reception of Sidebands

We have already seen that when the strength of the transmitted carrier wave is varied by the microphone currents when a programme is being radiated, additional waves are produced the frequencies of which extend over a band of perhaps 10,000 cycles per second each side of the carrier frequency. The receiving aerial and circuits must therefore respond to or be in tune with these frequencies as well as that of the carrier frequency. These circuits, therefore, must not be so sharply tuned (or selective) that they fail to respond to these frequencies,

or the programme will not be faithfully reproduced. On the other hand, they must be sufficiently sharply tuned to have negligible response to waves transmitted by other stations, or interference will occur.

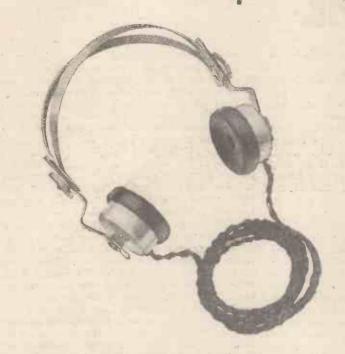
The electric currents produced in the aerial and tuning circuits of a receiver are of the same nature as those present in the transmitting aerial—*i.e.*, they are of high frequency—and are not suitable for direct conversion into lowfrequency sound waves corresponding to those in the studio. It is necessary for them to be converted first into currents of low frequency similar to those present in the microphone circuit, before they can be so employed. They can, however, be amplified if necessary before this operation takes place.

(To be concluded)

WORLD-RADIO

JANUARY 25, 1935

The essential link in Short-wave listening -Your Headphones



-they simply must be



A short-wave set, however good, with poor 'phones is like a man with one ear. You simply cannot pull in the distant stations on any wavelength at decent strength, and short waves are tricky things.

So hook up Ericsson Telephones on your present set . . . you'll be pleasantly sur-prised at the wonderful difference they make. Their sensitivity is

positively uncanny.

Three resistances-120, 2,000 and 4,000 ohms.

2'6

Sturdily built to stand up to the hardest wear, they retain their sensitivity, and rest very comfort-ably on the head over long spells. Buy a pair today and try for yourself.

At all good radio dealers. If you have any difficulty in prozuring, write direct to :-

ERICSSON TELEPHONES. Ltd. 67-73 Kingsway, London, W.C.2, Eng. Telephones : 3271/3 Holborn.



BRITISH SUPERSENSITIVE TELEPHONES



Broadcasting House

Undoubtedly one of the most fascinating buildings in England, Broadcasting House is fittingly described and illustrated in the official Description issued by the B.B.C. Finely printed, and bound in an exceedingly attractive gold-blocked orange canvas, the book consists of a detailed description of thirty pages; four photographs printed in full colours; thirteen floor plans in colour showing the layout of the studios on each floor; and ninety-eight monochrome illustrations, from specially-taken photographs. The size is ten inches by seven-and-a-half inches. It can be obtained from all booksellers, and bookstalls, price five shillings, or by post, direct from the B.B.C. Publications Dept., Broadcasting House, for 5s. 9d. The full title of the book is: An Illustrated Description of Broadcasting House.

WORLD-RADIO

How to Use Headphones with Present-Day Receivers

By M. G. SCROGGIE, B.Sc., A.M.I.E.E.

A few weeks ago a contributor put forward the advantages of headphones over loudspeakers. To some readers this may have seemed like advice to replace one's car by a coach and pair. There are others to whom the idea has appealed and who have been enquiring for further information. This information is contained in the present article.

TEN years ago every receiver had a pair of terminals marked "PHONES" or something equivalent. So the question of where to connect them did not arise. Now there are generally terminals or sockets for an external loudspeaker, and these may seem to provide an obvious point of connexion. The results of using them for this purpose may possibly be unpleasant, or even worse; so it is not altogether superfluous to consider the matter for a few moments.

The first fact is that, whereas a loudspeaker is usually provided with a maximum of at least 1,000 milliwatts of power to drive it, 1 milliwatt gives a good bold sound in headphones. The result of applying the full output of the set to a pair of 'phones *in situ* may, therefore, better be imagined than experienced.

Impedance of Headphones

The second fact is that both 'phones and loudspeakers differ considerably in impedance, and therefore in the results they provide when connected to a given outlet. One of the incidental differences is that high-impedance instruments

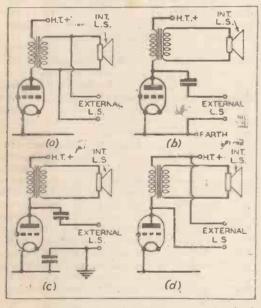


Fig. 1 - Four methods of bringing out extension loudspeaker terminals from receivers. The most suitable for headphones is (a). The others require modification as described in the 'text

practically always have a relatively high resistance. The resistance is not the vital information at all, really; but in the earlier days impedance was not a commonly-understood term and the resistance was specified instead. So if any figures are engraved on the earpieces they are pretty certain to be the number of ohms resistance. Actually the impedance is several times as great.

Low-resistance 'phones were standard at 120 ohms. But high-resistance 'phones might be 2,000, 4,000, or even 8,000. The last were designed for extreme sensitivity in the pre-valve days, but were so fragile that it is unlikely that many pairs still survive. Broadcasting headphones were generally not more than 2,000, and the tendency has been to substitute 1,000. The impedance is comparable with, but on the whole rather greater than, that of high-impedance loudspeakers. But low-impedance speakers, that is to say the speech coils of those of the moving-coil type, are much lower than 120 ohms; 1 ohm is nearer the average.

If a low-impedance coil is connected direct to an outlet intended for high impedance, not only is the volume considerably reduced but there is distortion and wrong operation altogether. But if the reverse is done, the proportion of power drawn is small, and it leaves all the remainder available for a properly-matched coil connected in parallel. The point of this is that if a highresistance pair of 'phones is connected in parallel with a low-resistance loudspeaker coil, it does not interfere with the working of the speaker, but it draws a very small proportion of the whole power itself ; which is just what we want.

One requirement is met by using highresistance 'phones. In current receivers of many well-known makes the other requirement is met simply by connecting to the external loudspeaker terminals or sockets. In an article "Wireless in Every Room," which appeared in this journal (December 14, 1934) the various systems of connexions now in use were reviewed, and the diagram is repeated here (Fig. 1). Method (a) is the right one for headphones ; and, before connecting up, steps should be taken to ascertain that the receiver actually is of this type -namely, with low-resistance output. happened to be type (d) instead, the full H.T. of perhaps 250 volts would be applied, with possibly disastrous results. Not only is the first system technically correct; it is also safe, because the terminals are isolated from any high voltages.

While on the subject of safety ; it is generally considered preferable *not* to earth the 'phones. An accident has been known to occur owing to a person who wore earthed 'phones grasping an electric table lamp which had become "live." As a matter of fact, the possibility of receiving a dangerous shock is exceedingly remote, even when abnormal conditions of this sort arise; for the 'phones do not usually make good electrical contact with the head, and some are totally insulated.

Switching the Loudspeaker

Assuming that fortune is favourable, and that both 'phones and receiver terminals are of the right sort, we next consider how the loudspeaker can be disconnected in order to avoid disturbing other people, and also how the loudness of the

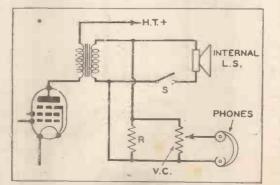


Fig. 2-Position of switch S for cutting out internal loudspeaker, and safety resistance R for use with pentodes. A volume control V.C. may be used in addition, or combined with it.

headphones may be controlled if it happens that the loudspeaker is in use elsewhere.

A few receivers are provided with a switch for disconnecting the internal speaker, in which case comment is needless. If not, one must get at the leads to the moving coil itself and insert a switch as shown in Fig. 2. It is not always an easy. matter to do this; and, if in doubt, expert assistance should be obtained. But the important point, if the output value is a pentode or Class B value (as it nearly always is), lies in never disconnecting the internal speaker unless there is an equivalent external load. 'Phones are by no means equivalent, so they should be shunted by a low resistance. This can easily be made up of a few yards, or even less, of resistance wire or thin copper wire. Cut down the length of wire until the volume from the loudspeaker is just perceptibly reduced when the wire is touched across in the position R in Fig. 2. Either R or the loudspeaker, or both, must always be in circuit when the receiver is on.

Volume Control

It is an easy matter to control the loudness at the 'phones by means of an ordinary potentiometer, preferably having a lower resistance than the 'phones themselves. In fact, if the resistance is as low as R, the potentiometer serves the additional purpose of the safety shunt. Actually one is unlikely to hit on a potentiometer that is just right, and R is then a separate entity. As R is likely to be only a few ohms, and the 'phones are probably 2,000 ohms, it is seen that there is plenty of latitude as regards the potentiometer; almost anything between these figures, or even above them, can be used.

Extension wiring presents no special problems. It is just necessary to note that R is preferably at the receiver end; as otherwise the resistance of the wiring may upset calculations, and, furthermore, there is the risk that some unauthorised person may disconnect the extension without connecting the loudspeaker.

Receivers with High-Impedance Output

Now to consider the cases where a lowimpedance output is not provided. It might be supposed that one could connect the 'phones to a high-impedance socket, and reduce the volume to the right amount for 'phones by means of the receiver volume control. The objection is that there is a very strong probability of accidental excesses of loudness, particularly at the moment of switching the set on or off; and these are good neither for the 'phones nor for the ear drums of their wearer. Moreover, the hum of mains-driven sets, though barely audible from the loudspeaker, is painfully conspicuous on 'phones. By using a lowimpedance socket the hum voltage (and everything else) is stepped down to perhaps a fiftieth.

The proper method of converting Fig. I(b), (c), or (d), to the desired (a) is by means of a step-down transformer, unless the leads to the low-impedance speech coil are accessible. It seems a waste to buy an additional transformer in the majority of cases, where a suitable transformer is already in use. But the movingcoil leads may be very difficult to get at; and, moreover, some people have spare transformers waiting to be used. The step-down ratio may be anything not less than about 20 to I.

It is possible to utilise a high impedance outlet without a transformer, though the method is not so strongly recommended. A series resistance of about 25,000 ohms is used, in conjunction with a 500 or 1,000 ohm (Continued on page 19)

18 WORLD-RADIO JANUARY 25, 1935 WIRELESS TOPICS by "ION"

SERVICE !

THE other day, during a talk with a representative of Marconiphone, he told me a few things about their after-sale service, which is one of the most efficient in this country. There is one case, however, which deserves to be passed on to my readers.

One afternoon, about five o'clock, the telephone bell in the service department rang and somebody at the other end, greatly excited and very impatient, demanded to speak to the Chief Service Engineer—nobody else would do ! The latter was found and brought to the telephone. It appeared that the gentleman at the other end of the telephone was giving a party that night. The guests were due to arrive at seven. The *pièce de résistance* of the party was a new Marconiphone radiogram that had been delivered a few days before. It had just been tried, to make sure of its functioning properly during the evening, and it refused to produce a single sound ! "Please send an engineer at once. . . It must be put right before the guests arrive !"

The Service Engineer was sorry; all his men were out and were not expected back that night.... However, he would see what could be done.... "What is the address?" "Wimbledon Common.... Number so and so.... Very good!"

The impatient customer, having replaced the receiver, went once more to the unfortunate radiogram hoping against hope that it would change its mind and would start to function "What is the time? Ten minutes again. . . . past five.... Hopeless! They will never get an engineer here in time.... What a con-founded nuisance!" Suddenly the front door bell rang. In a few moments the maid came in. "A man from Marconiphone, sir, to see to the set." Tableau ! The customer could not believe his ears. "Show him in," he murmured doubtfully. The man came in briskly, black bag and all. "How did you manage to get here in ten minutes?" demanded the customer. The engineer, with a twinkle in his eye, non-chalantly replied : "Our usual service, sir; we never let a customer down." Two minutes later the engineer, having discovered the "fault" and remedied it by replacing the mains plug-which had either been removed or had fallen out of its socket-got the set going nicely, and went on his way, while the customer then and there sat down and wrote a glowing letter of thanks to the company. This letter is now adorning the wall in the service department in a nice gilt frame.

And now for the secret of such promptness. Two minutes after the customer had rung-off, the telephone bell sounded again. "It's Bill, sir. I've finished my last job and I'm thinking of going home. Is there anything I can do for you, sir ?" "Wait a minute, Bill, where are you now ?" "Wimbledon Common, sir, speaking from a call box." The Service Engineer's eyes glittered. "Are you far from number so-and-so, Bill ?" "Why, sir, it's just round the corner; two minutes' walk from here." "Excellent, Bill ; just pop in there and see what is wrong with their darned set." Bill went. ...

"BLACK MAGIC"

Burglar Bill flashed his lamp on the wall of a factory that he intended to visit that night. The light picked out a notice : "This establishment is protected by the 'Humaswitch'." Burglar Bill had never heard of the "Humaswitch," and his lips twisted themselves into their accustomed one-sided sneer. . . . "Protected by your grandmother. I will show you

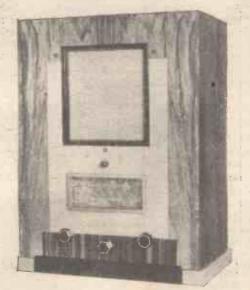
what I can do to a burglar alarm. . . ." he murmured to himself, and proceeded to scale the wall. His progress proved to be easy. . . . A window was forced and an entry effected. The office was empty and a large safe stood invitingly open at the opposite end of the room. Bill approached the safe. Suddenly pandemonium broke loose. Somewhere outside a large bell started ringing furiously. Bill looked round him in amazement. Not a sign of a wire anywhere, not a suspicion of a burglar alarm, and yet there it was waking the neighbourhood. . . Bill paid for his ignorance with three years' hard, and is still wondering what a "Humaswitch" may be.

The instrument in question works on the principle of "body capacity," which is familiar to all short-wave experimenters. The wires from the instrument are buried within the brickwork of a wall, and as soon as anybody comes anywhere within six feet of those wires, the change in capacity operates the circuit and sets in action a relay which floods the place with light, and sounds a bell placed elsewhere. The visiting light-fingered gentry cannot possibly know where the wires are hidden, as nothing is visible.

The applications of this device are many and varied. A dark shop window can be lit by anyone approaching or passing it. An escalator can be brought into action as soon as somebody steps on it. Lights will be switched on automatically as soon as anybody enters a dark room; closed doors will open "by themselves" on approach; and many other peculiar things take place. Since the apparatus in question does not work with the help of a photo-cell, it does not consume or waste any appreciable current. The circuit is in action only while there is somebody near. As soon as the body capacity is removed the circuit is switched off. There are many firms who have already adopted this device, and insurance companies have shown an interest in its possibilities. The firm that markets the "Humaswitch" is Messrs. Human-Switch, Ltd., Eagle House, Jermyn Street, London, S.W.r, to whom all inquiries should be addressed.

A NEW FERRANTI RECEIVER

Messrs. Ferranti, Ltd., of Hollinwood, Lancs, have sent me details of their new Universal A.C./D.C. consolette, which is being released to the public this month. This is a superheterodyne receiver employing the following valves:



Ferranti Universal A.C./D.C. Consolette

oscillator and first detector, Ferranti type VHTS or Marconi-Osram Type X30; intermediate-frequency pentode and first L.F. amplifier, Ferranti VPTS; second detector and A.V.C., Ferranti type HSD; power valve, Ferranti type PTS; half-wave rectifier, Marconi-Osram Type U30. Barretter: Philips Type 1941. The output is 2 watts. A Ferranti moving-coil loudspeaker is incorporated in the set. Single tuning control. The tone control is continuously variable. "All-in" dial is illuminated and framed in chromium, both station names and wavelengths being indicated.

A conspicuous feature of the set is electric tuning, and visual indications of the waveband, degree of volume, and relative shade of tone. The controls are as follows : right-hand knob, combined on-off switch and volume control. Left-hand knob, wave-changing switch. Centre knob, tuning control (the receiver is tuned by rotating this knob until the tuning bar coincides with the dot indicating the position of the desired station). A scale giving the medium wavelengths is included at the top of the dial, and long wavelengths at the bottom of the dial. Small knob above dial, tone control. All fittings are chromium. The cabinet is of walnut with a front inlaid in quilted maple. The price is 13 guineas. Deferred terms are 33s. deposit and 12 monthly payments of 22s.

POCKET RADIO SET

I hear from Messrs. Dean Radio, 10-12, Handel Street, London, W.C.I (sole distributors Messrs. Marluke, Ltd., of 2, Grays Inn Road, W.C.I, to whom all enquiries should be addressed), that they have produced a "Portabout" two-valve receiver which with the telephone compartment measures 6 in. by $4\frac{1}{2}$ in. by $4\frac{3}{4}$ in., and weighs three pounds all complete. This is a development of the police pocket radio apparatus which has been officially adopted in this country, notably by the Brighton Constabulary.

The manufacturers state that their receiver is supplied complete with one pair of Ericsson telephones, an Exide 2-volt accumulator and a Drydex 45-volt H.T. battery. The current consumption is claimed to be negligible. The L.T. consumption of o.1 amp. enables the accumulator to be used for two to three weeks without recharging, while the H.T. consumption of I milliampere is said to assure the battery a life of approximately twelve months. British midget valves are employed. No external aerial or earth connexions are necessary, and the set working on the medium waveband is said to have a range of 100 miles. The circuit is of the super-regenerative type. It is guaranteed for six months and the makers state : " if any fault, post the set back to us and we will replace by return." The price complete is 4 guineas.

It is suggested by the manufacturers that to the politician and the business man the "Portabout" is invaluable. Time, weather reports, market and general news are essential knowledge of everyday life. To the sportsman, too, a portable set, which is really portable, is a necessity. Commentaries on cricket, football, tennis, boxing, and other sporting events, as well as daily results, are obtainable just when desired and wherever the man chances to be. Being a telephone set it, of course, does not disturb other people.

FULLER BATTERIES

Messrs. Fuller Accumulator Co. (1926), Ltd., inform me that they are now manufacturing a new Fuller "Sunbeam" high-tension battery, supplies of which were available as from January 14. The prices are as follows : 60 volt, 35. 6d., 100 volt, 55. 6d., and 120 volt, 65. 6d.

HOW TO USE HEADPHONES WITH PRESENT-DAY RECEIVERS (Continued from page 17)

potentiometer (or fixed resistance, if no control is needed) as in Fig. 3. In this case the resistances serve the purpose of R. Unless a condenser is definitely known to be in circuit (Fig. 1 (b) or (c)) it is wise to include one, of from 0.1 microfarad upwards.

Use of Low-Resistance Headphones

A somewhat similar device may be adopted when 120-ohm 'phones happen to be the only ones available. They tend to take too great a share of volume from any except the very lowest impedance output, and even with a series resistance it is not recommended that they should be used in a high-impedance circuit.

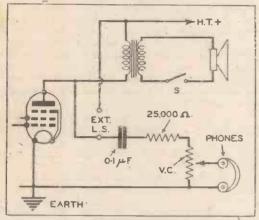


Fig. 3-A step-down transformer is recommended when high impedance loudspeaker sockets are fitted; but here is an alternative

With the ordinary (a) type connexion, one may try a potentiometer or shunt resistance of only a few ohms-say 10-and a series resistance of Ico or so.

If it is a case of using up odd components, it is practicable to make the shunt a fixed resistance and use a variable of a few thousand ohms in series. It is then not possible to fade the headphone reception right out, however.

For connecting several pairs of 'phones of the same resistance no essential modification of the foregoing systems is involved. They are simply connected in parallel and treated as a single pair having the resistance of one pair divided by the number of pairs.

Battery-Operated Receivers

So far the receiver has been assumed to be of the typical modern mains-driven type. When used for 'phones only, about 99.9 per cent. of the output power is wasted. But mains power is cheap. It is different with a battery-driven set; and it is generally possible, by reducing the H.T. voltage to the last valve, or removing it altogether and connecting the 'phones direct in the detector circuit, to save the major part of the running costs. The precise method of doing so depends on so many circumstances that it must be left to the individual:

Book Notice

The 1935 edition of the Broadcaster Radio and Gramophone Trade Annual contains a considerable amount of information of interest to those engaged in the radio and gramophone industries. It includes details of the electricity supplies of nearly 5,000 districts in the United Kingdom, a trade directory of nearly eighty pages, and a "Who's Who" of prominent people in the radio industry. Copies can be obtained from The Broadcaster and Wireless Retailer, 29, Bedford Street, Strand, London, W.C.2, price 5s. post free.

Readers' Queries Answered

Under this heading we publish questions and answers of general interest arising out of our technical correspondence. We are always willing to assist readers who require information on technical points, but all such requests requiring a postal reply must be accompanied by a stamped addressed envelope.

W.R. 1110. I find it necessary to detune my set when receiving a strong station, otherwise a loud howl from the loudspeaker develops. Can you tell me how to cure this trouble?

The trouble is most probably caused by one of the valves—usually the detector valve— being "microphonic." The sound waves from the loudspeaker cause the electrodes of the valve to vibrate and produce corresponding electrical oscillations. These are amplified in the lowfrequency stages of the receiver and reproduced as sound waves of increased strength by the loudspeaker. These sound waves are once more fed back to the microphonic valve and amplified again, and so on, with the result that the sound builds up to a loud howl. A cure can be effected by changing the position of the loudspeaker-if the latter is not enclosed in the receiver cabinet-so that the sound waves reaching the microphonic valve are only weak. Alternatively the valve can be wrapped in sound-absorbing material such as cotton-wool, or replaced by a valve which is non-microphonic. Improved decoupling is non-microphonic. Improved decoupling arrangements in the H.T. supply circuits may also help to overcome the trouble.

Wireless Section I.E.E.

An informal meeting of the Wireless Section of the Institution of Electrical Engineers will be held at 6 p.m. on Tuesday, January 29. The subject to be discussed will be "The Cause and Prevention of Valve Failures in Broadcast Receivers." The meeting is open to non-members and tickets of admission are not required.

★ The finest 6+4 Headphones

G. Brown

Headphones were the best 10 YEARS AGO. They are THE BEST TO-DAY. Quality and service counts. Don't be led astray by the price bogey-it pays to buy the best. The standard resistance of all models is 2,000 ohms per earpiece, 4,000 ohms totalled, but NO EXTRA CHARGE is made for supplying in any resistance desired. Same price HIGH or LOW impedance.

TYPE "D"

Flat Diaphragm type, with unbreakable covers, and with double headband of slightly heavier gauge than type "A." Used exclusively by the Royal Corps of Signals, Wireless Telegraphy Training Schools, Imperial and International Communications, Ltd. This model is eminently suitable for use where clear reception is The price is 35/essential.



Crystal sets are not obsolete, far from it. Specially designed with anti-break-through choke for selective reception of modern broadcasting. Slow-motion tuning. Permanent crystal detector. Long and medium waves. Excellent range. Radio-Paris has been clearly received in Walsall. With a pair of S. G. Brown Headphones, you cannot but be delighted with results.

Sole Manufacturers under exclusive licence of S. G. Brown, F.R.S.,

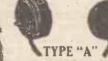
Navy, the Dutch, Swiss and French Telegraph Services, British and Foreign Air Services, The B.B.C., etc. 50/-Er pale THE NATIONAL RADIO SERVICE (N.R.S., Ltd.) COMPANY Tel. : MUSEUM 7651 (5 lines).



the world

A highly efficient general purpose 'featherweight' headphone (only 6 oz.). This type is used in most of the principal Hospitals, Nursing Homes, Municipal Institutes, etc., throughout the country, and by the L.C.C. Also used in Cinemas, Churches, etc., in conjunction with Deaf Aid Instal-lations. Price 20/-Single "F" Phone 12/6.

in



(Adjustable Reed)

This type is recognised. as one of the finest obtainable. Signals and speech are perfectly clear, Constructed to give the very highest degree of sensitivity. The double headband is adjustable and extremely comfortable to per pali

WORLD-RADIO

WORLD RADIO RESEARCH LEAGUE : SECRETARY'S REPORT Interaction of Radio Waves: the Luxembourg Effect

PROFESSOR V. A. BAILEY'S comments on our work (see page 8) and his kind reference to the value of the observations performed by the members of the W.R.R.L. in connexion with the interaction of radio waves, are not only of great interest to us all, but are also highly encouraging. I am sure that we are all very grateful to Professor Bailey for having found time, in spite of the very busy time he is having at Oxford during his short stay in this country, to put these comments on paper.

Our thanks are also due to Professor E. V. Appleton for explaining this fascinating problem to us, for guiding us in the right direction and for being good enough to examine from time to time the accumulated evidence and to comment upon it on several occasions.

My thanks are due to every member of the League who has sent in regular reports in connexion with this problem and who has spent much valuable time in order to aid science. But it should be realised, gratifying as the results already obtained are, that our work is just beginning and that there is still a tremendous amount of work to be done before we are on sure ground. Professor Bailey suggests two additional These are highly interesting and observations. I shall deal with them in my next report. In the meantime, we shall have to study the

Luxembourg and Droitwich effects a little more systematically than we have done up to the present. What I want to find out now is in how many places the effects are manifesting themselves at a given time and date. For this reason I suggest that our members should listen regularly every night between 9 and 10 p.m. during the remaining few days of January and the whole of February. In March we shall change the listening time. Please write your report for each date on a separate sheet of paper and arrange the headings of your columns as follows, at the top of the page: Name. Qualifications. Address (briefly). Type of re-ceiver. Type of aerial (outdoor, indoor or frame). Date. Time (G.M.T.). Name of wanted station. Its wavelength, frequency, and power. Strength of signal of wanted station. Name of unwanted station. Its wavelength, frequency, and power. Strength of background interference. Strength of signals of the unwanted station direct. Remarks : cut-off of high notes, nature of fading of the two stations, and anything else that seems to be of importance. A special note may be taken of the behaviour of atmospherics during reception. Please adhere strictly to this programme of reporting and you will facilitate my work to a very great extent, especially that now in addition to the interaction of radio waves I shall have to deal every week with the reports on echoes of long delay, as well as our other problems.

And now the most important point-a point that is not generally realised by our members : We want negative reports just as much as positive ones. We want to know the places where the Luxembourg effect does not manifest itself as well as the places where it is heard often. How can we arrive at any geographical conclusions unless you do that? This applies to all our problems and is a point that has been greatly overlooked in the past. Again, if our work is to show quick results there must be a large number of reports from all over the world. We do not want members in name only. We want active members who are prepared to get on with the work. Foreign Hon. Secretaries should point this out in their reports. I do not mind receiving reports in foreign languages, we are in a position to deal with them.

And this reminds me of another point. It is necessary to mention that these W.R.R.L. reports are strictly copyright throughout the world. Foreign official organs of the League have been given permission to use the material ad lib, but this does not extend to all journals, unless the material in question is supplied by one of our representatives and appears over his name. Foreign secretaries of the W.R.R.L. may use my reports just as they like, but no one The reason I am publishing this warning else. is that I have noticed in several foreign papers articles quoting our results without even reference to the W.R R.L.

I congratulate Herr Fuchs, of Vienna, on his article on our work in the paper Radio, in which he fully acknowledged the source and has been good enough to reproduce my map. This is very useful as a means of interesting the Austrian radio-fans and getting them to send us reports.

I expect to be able to publish next week a further map showing the distribution of the midpoints in the ionosphere of both the Luxembourg and Droitwich effects. This map is being studied at the moment by Professor Appleton, and I shall go ahead as soon as I get the O.K. from him.

And now let us proceed with the final analysis of the Luxembourg effect.

Frequency of Occurrence of the Luxembourg Effect

The greatest argument in favour of the Luxembourg and the Droitwich effects being an ionosphere phenomenon, is that the effect is not heard every night in any given locality on any given wanted station. If these effects were due to some freak of reception in either a superhet. or a straight circuit, there is no reason why a tuning system of any receiver should behave differently, under given conditions, on Mondays as compared with Wednesdays or Fridays.

From the reports received up to date it is quite obvious that a man may hear the Luxembourg effect on several stations at the beginning of the month, and then search vainly for it for some three weeks, only to rediscover the interference for the next few days. There are members who, in spite of searching for the occurrence of the effect night after night, up to the present have failed completely to discover any traces of it. Thus, for instance, Mr. J. G. Maltby, B.Sc., of Epsom, Surrey, reports that with his o-v-2, although he heard the Luxembourg effect on Stuttgart, he has never succeeded in discovering it on any other stations. And yet members with a similar equipment have heard this effect on other stations, in other localities. Mr. A. J. Douch, of Eden Bridge, Kent, has never heard yet the Luxembourg

effect on his superhet. Miss Mary C. Fair, of Holmrook, Cumberland, one of our most reliable and most consistent reporters tells me that on October 16 she heard Luxembourg on Vienna, but not on any other station. On November 17 and 24 no interference of Luxembourg on Vienna took place. And yet other members have reported this interference manifesting itself in other localities. Mr. W. H. Johnson, of Battersea, London (Sg.-vSg-2 Pen), reports that he could not detect the Luxembourg effect on Cologne on October 14, 15, 18, and 20. Similarly, Mr. Peter C. Laws, of W. Ealing (0-v-1), failed to detect the Luxembourg effect on Cologne on October 17, 20, and 24 when others heard it.

Thus, it is obvious that if we are to clear up

conclusively this point we must study the effects in question every day in as many places as possible simultaneously.

High Note Cut-off

Whilst many members have paid no 'attention to this point, the following remarks are interesting :

Mr. E. Burton, Birmingham.—" Luxembourg effect on Munich with high notes cut off on Luxembourg.

Mr. R. Gilbert, Thorpe Bay, Essex .-- " Ghost signals caused by the long-wave stations are always deep in tone and entirely lacking in high notes.

H. F. Luscombe, Lowestoft .- " Dull background of Luxembourg on Munich, Stuttgart, Strasbourg, and Beromünster. High notes cut off."

B. J., Slade, Nunhead.—" High notes cut down as compared with bass."

C. Smith, Oldham.-" I heard about quarter strength Luxembourg on Rome devoid of high notes.

Please keep an eye, or rather your ears, on the high notes in the background. This point needs elucidating.

Fading during the Interaction of Radio Waves

This is another interesting point which we must study seriously.

W. J. Hogg, Dublin, tells us that unwanted background is not affected by the fading of the wanted signal. With a set fitted with automatic volume control he found that when the wanted signal fades the unwanted signal increases in strength, sometimes even becoming stronger than the wanted signal.

E. Howard, Cardiff, gives two reports t "Generally wanted and unwanted reception fade out together proportionally as far as I have previously noticed," and later : "Background seems to fade independently of the wanted programme."

J. T. Cory, Duncaster, Yorks — "When Stuttgart faded Luxembourg came in louder." B. J. Slade, Nunhead.— "Munich remained

at the same level while Luxembourg faded." And on another occasion : "When Munich faded Luxembourg also faded proportionally. C. F. Wickberg, Birkenhead.—" When Munich faded Luxembourg strength kept steady."

E. A. Hayward, Cardiff.—" Munich fades more rapidly than Luxembourg." G. H. T. Ely, Birmingham.—" Fading of Luxembourg seems to be independent of signal strength of the station interfered with.

H. K. Holmes, Dudley, Worc.—" Munich subject to occasional fades, background also

fading but clear and undistorted." J. Mills, London, S.E.13.—" Luxembourg interference not affected by fading of Vienna signals.

7. N. Owen, Birmingham.--" Six fades on Munich and corresponding six fades on Luxembourg. Luxembourg disappeared when Munich closed down.'

As you see, results of observations differ onsiderably. These sharply divided opinions considerably. may be due to the fact that when the wanted station with the superimposed background fades, the background fades automatically. When only the interfering station fades before ionospheric cross-modulation, it appears to fade independently. However, I have not sufficient data in hand on this point to draw any definite conclusion. Please keep this in mind.

RALPH STRANGER.

Member R.S.G.B. Hon. Member Ligue Universelle de Recherches Radio-Electriques. (Belgium). Hon. Member International D'X'ers Alliance (U.S.A.).

JANUARY 25, 1935 Space and Matter By "NEUTRON"

Heat Energy from the Sun

WE have had several days recently which have been as dark as night, with the thermometer in the region of zero (Centigrade, not Fahrenheit !). Heat energy from the sun has therefore been conspicuous by its absence. It was on one of these days that I read an account of recent developments in apparatus for the direct utilisation of heat from the sun for power purposes. Needless to say, the apparatus described has not been used in this country, but in the sunnier clime of California. It develops temperatures above 400 degs. F. in twenty minutes, and has been in use at Mount Wilson Observatory, California, for generating steam for power purposes. The heat is collected by means of a system of mirrors and heats up black oil contained in tubes which are protected from loss of heat by double vacuum jackets. The heat is then transferred to a tubular boiler for generating steam, or to a reservoir of oil into which ovens for cooking purposes can be inserted. I understand that it is hoped to develop the apparatus for the economical driving of large steam engines.

Cosmic Rays

At the recent meeting of the American Associa-tion for the Advancement of Science at Pittsburg, at which the apparatus referred to in the previous paragraph was described, Dr. R. A. Millikan gave an address in which he stated that he expected that the real nature of cosmic rays would be discovered during the next twelve He said that our present knowledge months. was insufficient to enable us to determine the nature of these rays with any certainty, but that it was safe to say that the rays originated beyond the Milky Way.

Elimination of Electrical Interference

Most of the principal broadcasting countries are now taking active measures to reduce the amount of electrical interference which occurs in radio reception. A big campaign has recently been launched in America by the Radio Manufacturers Association, to convince makers and users of interfering equipment that it is in their own interests, as well as in those of radio listeners, to take steps to ensure that such equipment is made non-interfering. Attention is also called to the fact that whereas efficient aerials are not so necessary with modern sensitive receivers as they were in the early days of broadcasting-from the point of view of signal strength-efficient aerials, arranged to pick up as little electrical "noise" as possible compared with the strength of the required signal, have once more become essential if satisfactory interference-free radio reception is to be achieved.

High Fidelity

Another subject which is very much in the limelight at the present time in America is that of "high fidelity" or purity of reproduction of broadcast programmes. It appears, however, that some difficulty is being experienced in determining the standards to be adopted for high-fidelity receivers. There is also a feeling that, no matter what standards are decided on, some manufacturers would label inferior ap-paratus as "high fidelity," and the public would be misled. To avoid this difficulty it has been suggested that a new term for receivers which comply with the high-fidelity standards should be invented and protected by copyright. There seems to be a real indication that high fidelity is regarded in many quarters as a desirable development apart from its possibilities as a mere sales " stunt."

A WIRELESS ALPHABET By "DECIBEL "

Cross Modulation.-Interaction between two electromagnetic waves, or two oscillatory currents, whereby the changes in strength or modulation of one wave, or current, are transferred to the other. For example, if the signals from two transmitters overload the first valve in a wireless receiver, signals sent out by both the transmitters may be reproduced, even if the succeeding circuits arc tuned to one transmitter only.

Cross Talk.—When two circuits such as two telephone lines are not completely isolated from each other, and there is coupling between them, speech or music currents carried by either circuit will be transferred to the other circuit, and cross talk will result.

Crystal.-Crystals of certain chemical compounds possess the property of being able to pass an electric current in one direction only, and can therefore be used as rectifiers or detectors of wireless signals. This property is possessed by certain dissimilar crystals in contact with each other, and by certain crystals in contact with a metal. Some crystals, such as quartz, possess the property of being set into mechanical vibration when an alternating voltage of appropriate frequency is applied between two opposite faces of the crystal. The particular frequency at which this effect occurs is determined by the physical dimensions of the crystal. Crystals of this kind are employed to control the frequency of wireless transmitters with great accuracy. This form of frequency control is known as crystal control. Rochelle salt crystals possess similar properties which are utilised in crystal microphones, loudspeakers, and gramophone pick-ups.

Cumulative Grid Rectification .-- A method of rectifying or detecting wireless signals in which the rectifying properties of the gridfilament path of a thermionic valve are employed. This method is now

usually employed in preference to the anodebend method of rectification. The lowfrequency signal voltages produced by rectification are developed across the gridleak connected between grid and fila-ment (either direct to GRID filament or via the CONDENSER high-frequency input circuit) and are amplireproduced in amplified form in the anode circuit of the valve. A grid condenser is employed to

provide a path for the high-frequency signals without by-passing the low-frequency currents produced which are required to flow through the gridleak.

Current.—A flow of electricity along a wire or other conductor. Before the electron or particle of negative electricity was discovered, it was presumed that the direction of flow of current was from a point at a high or positive potential to one of lower or negative potential. According to the electron theory, however, a flow of current is composed of the passage of negative electrons from atom to atom of the conductor, from a' point at a negative potential to one at a positive potential. The direction of flow of electrons is, therefore, opposite to that assumed in the original idea of a current flowing from positive to negative. In order to avoid

a thermionic valve is often described as an "electron flow" from cathode to anode, or as a "conventional current" flowing from anode to cathode-that is, from positive to negative. The practical unit of current is the ampere. Current density is the amount of current flowing

confusion, the passage of electricity through

per square centimetre or square inch of the cross-sectional area of the conductor. Current Transformer.---A transformer in which a small current in a high voltage circuit is transformed into a larger current at a lower voltage, or vice versû. It is often employed for measuring large alternating currents for

which suitable meters are not available. Cut-off.-The limits of frequency above or below which an electrical circuit, or device, ceases to function. A receiver which does not reproduce the higher audio-frequency signals is said to cut off the high notes.

C.W.-Continuous waves.

Cycle.-See Alternating Current. The term is also applied to the period of other motions of an alternating nature, such as sound waves.

D

Damped Oscillations or Waves .- Oscillations or waves in which the amplitude of successive oscillations or waves gradually decreases. (See also Continuous Waves.)

Damping.-When resistance is added to a circuit the amplitude of any oscillations produced in the circuit is decreased and the circuit is said to be "damped."

D.C.—Abbreviation for Direct Current. D.C.—Double Cotton Covered—refers to insulation of wire.

Dead Beat .--- A meter is said to be " dead beat " when the pointer is damped by a suitable spring or other means so that it comes to rest quickly when there is any change in the current passing through the meter.

Dead Spot .--- It is sometimes found that a receiver is very insensitive at certain parts of the wave-range covered by the receiver. These points are known as "dead spots" and are usually due to the natural tuning of the aerial as distinct from the tuning of the circuits of the receiver.

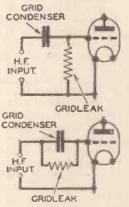
Deci.-One tenth, as in "decibel." (See Bel.)

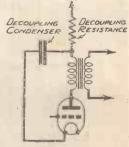
DB.—Abbreviation for "decibel."

Decoupling .- A combination of a resistance or choke and a condenser, in which alternating currents are prevented from flowing through a particular circuit by connecting the choke or resistance in the circuit to oppose the flow of such currents which

are provided with an alternative path through the condenser. This arrangement is used in modern receivers to prevent alternating currents flowing through circuits such as the H.T. supply, which are common to several stages of the receiver. If adequate decoupling arrangements are not

provided, the currents from the later stages of the receiver are fed back to the earlier stages and re-amplified, thus causing instability and self-oscillation of the receiver. (See Motor-Boating.)







21

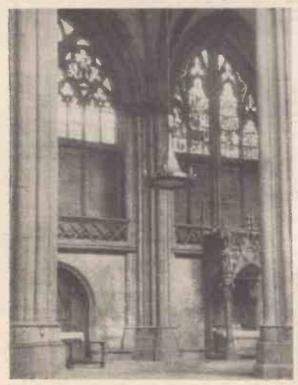
Loudspeakers for Churches and Public Rooms

This article deals with the difficulties encountered in obtaining satisfactory reproduction from loudspeakers in large buildings such as churches. Various British manufacturers have developed special loudspeakers for the purpose and a description is given in this article of a combined electrolier and loudspeaker recently developed in Germany as a solution to the problem.

THE propagation of sound waves in the open is fundamentally different from that in a room. In the open, they disperse, whereas indoors they are repeatedly reflected from the walls of the room and produce reverberation for a certain time. Consequently, one hears not only the sounds being radiated from a loudspeaker but also their echo. If the walls of an empty room were to reflect 100 per cent. and not absorb any of the energy radiated to them, the period of reverberation would be infinitely long. Naturally this is impossible, for every time the sound waves are reflected, a certain percentage of the sound-according to the characteristics of the walls-is absorbed, or to be more concise, is converted into heat : hence after a certain number of reflections the sound is completely absorbed and reverberation or echoing is terminated. The larger the room the greater will be the interval between two successive sound reflections. In large rooms, therefore, the period of reverberation until the sound is completely absorbed is longer than in a small room.

Effect of Sound-Absorbing Material

This is especially true of churches—echoing periods lasting ten or more seconds are not unusual. This may be ascribed not only to the size of such buildings but also to the constitution of the "walls" which in every room may be said to embrace the floor and the surfaces of all the objects the room contains, as these also reflect and absorb sound waves. In contrast to inhabited rooms, for instance, the interiors of churches are very sparsely furnished. Apart from this fact, they lack those materials which have very strong sound-absorbing characteristics, such as carpets and curtains. Now the need for very clear speech is particularly pronounced in churches so that the congregation can distinctly hear the words of the preacher transmitted to them through the loudspeaker.



Electrolier loudspeaker in the Cathedral at Regensburg

This can only be realised if the reverberation period is short, as otherwise the words being spoken and the echo of previous words will be superimposed on each other and become unintelligible.

In sound-film cinemas and similar buildings the actual reverberation period—provided it does not exceed that which is desirable by too great an extent—can be curtailed. Thus, the room can be furnished with a sufficient quantity of materials which absorb the sound to a large degree. There is no need to resort to carpets and curtains to produce this effect. In fact, slabs made from natural fibres which possess pronounced soundabsorbing properties, can be fitted on the walls, thereby reducing the reverberation period very considerably. However, to reduce to a reasonable value the long reverberation periods which usually prevail in

churches, vast surfaces would have to be lined with such material; this would not only inv

A lantern type of loudspeaker made by Tannoy Products

would not only involve tremendous expense, but would also not be at all compatible with the architectural aspects.

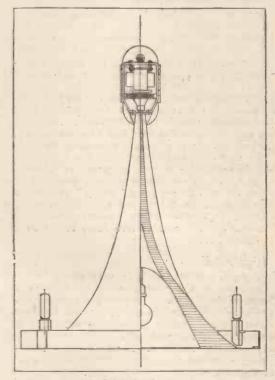
Recently, a much simpler and equally effective solution has been found for this problem. If the sound radiated from a loudspeaker first strikes a surface possessing pronounced soundabsorbing properties, and is thereupon reflected to other surfaces having much smaller absorbing powers, the sound will already be so greatly weakened that its echo will be audible for only a negligibly short time. In the first place, therefore, provision must be made for the sound waves to be directed towards a surface with strong sound-absorbing properties. Such a

surface exists in every church during the services, namely, the surface " covered " by the seated or standing congregation. The clothing of everyone in the congregation is composed of effective soundabsorbing material. An average man, for instance, wears about three and a half square yards of suiting. The "occupied surface" of the floor absorbs the sound even better than the very best wall lining, for only one square yard or, when using pleated curtain, perhaps two square yards of material can be placed on one square. yard of wall, whereas one square yard of floor can be occupied by at least four persons who together represent approximately fourteen square yards of good sound-absorbing material.

The realisation of this fact prompted the idea of constructing a loudspeaker which is placed above the congregation and radiates the sound downwards. The angle of dispersion or "cut-off" must not exceed a certain amount so that the sound can on no account strike the sides of the room, thereby producing undesirable reverberation. At the same time, however, this angle must not be too confined, in order to cover a sufficiently large area of the congregation. Finally, the volume of the sound within the angle of spread should be as uniform as possible, viz: the people directly under the loudspeaker

should not be harassed by an excessive volume of sound. The formulation of these conditions reveals that, in view of the varying architectural design of churches, it is impossible to use only one type of loudspeaker, but that it is essential to construct several types possessing different angles of spread and to adjust the loudspeaker to the characteristics of the particular church or room by suspending it slightly higher or lower, as the case may be.

Recently, the Telefunken Company of Berlin satisfied these conditions by evolving the electrolier type of loudspeaker which can be suspended in the desired positions and possesses the shape of a horn directed towards the floor of the church. To ensure that people directly under the horn are not deafened by an excessively large volume of sound, the horn contains a device which prevents radiation along the centre axis of the unit and only allows the sound to be emitted at the edge of the horn. Consequently, inside the horn there is a free space which can be used for lighting purposes by incorporating high candlepower lamps. A harsh light can be prevented by covering the aperture of the horn by a piece of material; and by adopting a plain but artistic design, this combination of electrolier and loudspeaker will fit in admirably with the style of any church. It has thus been possible to render



Arrangement of the Telefunken loudspeaker and electrolier

the acoustics of churches which had hitherto been deemed to be particularly poor in this respect, really effective without having to undertake expensive alterations or without disturbing the architectural effects.

R. W. P. L.

JANUARY 25, 1.9.35

THE SHORT WAVES Smooth Reaction in Short-Wave Receivers

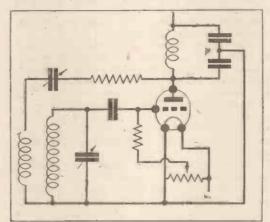
SHORT-WAVE receivers of the "straight" type depend for their sensitivity, and to a certain extent for their selectivity, on reaction control. For ease of operation and maximum sensitivity, the reaction should be perfectly smooth so that the receiver slides easily into and out of a state of oscillation.

As the reaction is advanced a slight hiss should be heard before the set slides into oscillation, while in the case of a gridleak detector a meter connected in the anode supply circuit should show a gradual decrease in current. No "plop" or sudden howl should occur if the reaction knob is rotated slowly, and oscillation should cease at the same point at which it began; that is to say, without what is known as "overlap." If oscillation begins with a "plop" and the condenser has to be reduced two or three degrees before it stops again, it makes it impossible to work the set at its most sensitive point when distant and weak transmissions are to be received. Since much short-wave searching is carried out with the set on the verge of oscillation, it will be seen that the simple straight type of receiver is only as good as its reaction control.

There are many possible cures for these unwanted reaction effects, but one should be sure before trying them that the H.F. choke is a good one and is not responsible for the trouble, or part of it. An anode by-pass condenser should be connected between the anode of the detector valve and earth, and it is often an advantage to connect an additional by-pass condenser between the output of the H.F. choke and earth. A suitable value for both these condensers is $0.0002 \ \mu$ F; too large a capacity would interfere with the high-note response of the receiver.

Parasitic oscillation in the detector, which is a cause of unstable reaction, may be reduced or cured by the addition of a resistance in series with the reaction condenser. Different values should be tried for this resistance until one is found which is effective over the range of wavelengths it is desired to receive. The value will probably lie between 250 and 600 ohms, depending on the type of receiver and the values of by-pass and reaction condensers.

Reduction of the H.T. voltage on the detector valve may help to smooth the reaction, and a higher value of de-coupling resistance may be tried. Different values of gridleak and gridcondenser should also be tried, and the substitution of a condenser of $0.00015 \ \mu\text{F}$ or $0.0002 \ \mu\text{F}$ for a condenser of $0.00015 \ \mu\text{F}$ or $0.0002 \ \mu\text{F}$ for a condenser of lower capacity may effect an immediate cure. The connexion of the gridleak return to the negative instead of the positive end of the filament frequently effects a cure, but results in loss of volume. A much better idea



Illustrating the additions referred to in the article

is to connect the gridleak to the slider of a potentiometer connected across the filament supply. By variation of the slider a position may be found which is a compromise between perfectly smooth working and maximum volume. A suitable value for this potentiometer would be 200 ohms.

A. W. B.

American Listeners' Favourite Stations

According to a recent short-wave survey conducted by the Philadelphia *Inquirer*, Daventry is the favourite spot on the short-wave dial for listeners in the American Middle-Atlantic States. The survey also showed that "fans" of the Philadelphia area and the densely populated suburbs were greatly pleased with reception from oversea short-wave stations generally.

Eighty per cent. of Philadelphians cast their vote as being highly pleased with the quality and volume of trans-Atlantic short-wave reception; 11.7 per cent. stated that they were indifferent about short-wave reception, listening on these bands at times but not making any regular practice of it. The remaining 8.3 per cent. of those who co-operated in the survey were discouraged or disappointed with their foreign "dial trotting."

In answer to the question, "What oversea station do you listen to most?" the following were the final tabulations: The Daventry Empire transmitters, carrying B.B.C. programmes, proved to be the favourite with allwave set owners. Forty-four per cent. of the entire audience stated that they always first set their dial to one or other of the British stations. The short-wave stations of Germany ran a fairly close second, gaining thirty-five per cent. of the ballot. EAQ, Madrid, Spain, was third choice, with eleven per cent.

Strangely enough, the Philadelphia listeners are more interested in the short-wave stations of

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far-away Australia than those of France, Italy Portugal or South America. The "VK's" polled four per cent. of the votes, as the world's favourites, closely followed by stations of the other countries mentioned above.

In fairness to Italy, however, which has just inaugurated a new system of short-wave transmissions, it should be mentioned that, at the time of the survey Rome was not on the air at all and thus had little chance to figure in voting. Holland, too, with its 19-metre PCJ now being much enjoyed in America, was not heard then.

England's popularity lies in the fact that the programmes broadcast are so varied and compare more closely to the type of broadcasting familiar to Americans than those of any other trans-oceanic stations. The news bulletins and short talks were commented upon favourably by listeners, as were the "special event" transmissions. There was little criticism of Daventry's musical fare. Many listeners indicated that when weather conditions are favourable, they often forsake local programmes to tune in London's dance tunes or the smooth symphony type of presentations.

Daventry and Zeesen are running a close contest for offering the clearest and most consistent signals. It appears that the lovers of classical music, as a whole, prefer the German transmissions. G. M. L.

Lyndhurst, VK3LR

THE transmitting station at Lyndhurst, Australia, is on the site of one of the outdoor laboratories of the Research Department of the Australian Post Office, about twenty-five miles south-east of Melbourne. Using the call-sign VK3LR, the station at present broadcasts regularly on 31.32 metres, although able to work on other wavelengths if desired. The 31.32 m. wave has, however, been found to be the most satisfactory. When the station is carrying out experimental work, it uses the call-sign VK3XX.

The equipment used for broadcasting consists of an electron-coupled oscillator, the output of which, suitably amplified by a screened-grid transmitting valve, is modulated, and followed by two further stages of radio-frequency amplification. The last stage is connected in push-pull, and permits of an unmodulated carrier power of 600 watts being delivered to the aerial.

Several radiating systems are employed at the station for experimental purposes, being fed by radio-frequency transmission lines from the output of the transmitter. The aerial now in use consists of a horizontal half-wave doublet, the true bearing of which is N.5° 30' E.

This station usually takes its programmes either from 3AR or 3LO at Melbourne. Reception reports should be sent to the Chief Engineer's Office, Postmaster-General's Department, Treasury Gardens, Melbourne, C.2.





A Short-Wave Log

Short-Wave News Reel

The White Paper

As a result of the notice in WORLD-RADIO concerning a special relay from VUB, Bombay, I cerning a special relay from VOB, Bombay, I tuned in to that transmitter on Friday, January 18, at 4.30 p.m. The speaker—His Excellency, Lord Brabourne, Governor of Bombay—in his address on the "White Paper," spoke chiefly of the Federal Government of India, and was loudly applauded for many of his remarks. After concluding his speech a vote of thanks was proposed to him, following which a few humorous stories were told in typically English political style.

Then followed the station call and a programme of dance music, one of the tunes of which was "Let's Fall In Love"-a fitting number for the occasion. My receiver is a three-valve broadcast set and the "WORLD-RADIO Battery Heptode S.W. Converter." Reception was R8 on the loudspeaker.

N. G. H. Newcastle-on-Tyne.

ON hearing the words: "It gives me the greatest pleasure to call upon his Excellency " at 5.35 p.m., on January 18, on the 31-metre band, I realised that it was the beginning of the special broadcast as announced in WORLD-RAMO. Lord Brabourne, Governor of Bombay, in addressing "Mr. Chairman, and members of the Bombay Rotary Club," conveyed hearty greetings from that city to Rotarians in all parts of India.

Speaking on "The White Paper," his Excellency mentioned the probable division of opinion throughout India. He said : " Tonight we are merely abstracting from the Report of the Joint Committee." On the supposition that it would be adopted in principle, he hinted at the future political solidarity of India, depending "on a very much larger franchise than it does to-day." He spoke of the Constitution of the home country as having been moulded over centuries, yet " we are endeavouring to do so centuries, yet "we are endeavouring to do so in a few weeks." In the new scheme he foresaw "ministers only too ready to do their utmost for the people," with Governors working in close co-operation. In concluding, his Excellency referred to accusations directed at the British Government, and begged them, before choosing, to ask the question : "Is British endeavour in the past justifying those accusations.'

In the vote of thanks which followed, his Excellency's speech was referred to as a "vocational speech," and a lighter vein pre-vailed, the speaker "bringing the house down" with two humorous stories. The relay concluded at 5.15 p.m. Barnsley Yorks.

An Hour with VK2ME

R. H.

THIS afternoon (January 13) at 3 p.m. I thought I would see what the 31-metre band had to offer, and immediately ran into a very loud signal which I presumed to be DJA. My surprise and elation were great when I heard the call "VK2ME, Sydney, Australia—The Voice of Australia," followed by the laugh of the kookaburra. The programme of records included some very old favourites. After the records the announcer told us interesting facts about Queensland and New South Wales ; their agriculture, mining, and fruit-growing industries.

While the weather news was being read, I envied the Australians who were in a temperature of seventy degrees of sultry weather ! More records followed and we heard the B.B.C. Wireless Military Band, Jack Hylton, and Quentin Maclean.

The time was announced as "two minutes to two, Monday morning," and the voice of tomorrow closed down with the laugh of the kookaburra, the National Anthem, and the announcer's "Good-morning, Good-afternoon and Good-evening, everybody !" VK2ME's signal never fell below R7, which

was, I thought, pretty good for a two-valve set working on an indoor aerial! Who wouldn't boast a little after this ? Hull.

J. A. H.

Economic Progress in Brazil

For those short-wave listeners who interest themselves in economic problems of the day, an opportunity exists on many nights of learning something of developments in Brazil, by tuningin to PRF5, Rio de Janeiro. Talks are given on relevant subjects not only in the national language, Portuguese, but also in English, French, German, and Spanish.

The talk on January 14 covered a wide field of economic activity. It was interesting to learn that various types of cereal have been developed, particularly suited to Brazilian conditions. Tt had been possible, the announcer informed his audience, not only to grow such European fruits as apples and pears, but also oranges and certain types of plum. Dried fruits were being exported, comparable with those produced elsewhere.

Industrial production, too, was growing pace, particularly of textiles. The vast and apace, particularly of textiles. highly suitable grazing space available lent itself to the rearing of cattle, and those states con-cerned had concluded special arrangements with the Federal Government for adequate hygienic supervision of cattle and of the production of tinned and frozen meat and of the pro-duction of tinned and frozen meat and other meat products. From time to time the "pill" of economics was "sugared" with an interlude of recorded tangos and other characteristic music of the country.

Hove, Sussex.

M.S.

Pennsylvania's New Governor

Noticing that W8XK (19.72 m.) was not transmitting its advertised programme on the afternoon of Tuesday, January 15, at 4.45 p.m., I listened for a time and discovered that the installation of the new Governor of Pennsylvania was about to be relayed. A commentator was describing the scene prior to the arrival of the new governor, and he had apparently reached the end of his remarks. A burst of cheering signified the appearance of the governor-elect, and the microphone was immediately turned over to Senator Roberts, the official government representative, who was to take charge of the ceremony.

The Rector of the Church of the Redeemer offered a few appropriate prayers, followed by the Chief Clerk of the Pennsylvania Senate, who read the certificate of election, stating that At the general election held on November 6, 1934, the Hon. George H. Earle had been elected Governor of the Commonwealth of Pennsyl-vania." The Chief Justice of the Supreme vania." Court, Robert Fraser, administered the oath of office, which the governor repeated in a clear voice, perfectly audible throughout. Lieutenant-Governor Kennedy read the proclamation, which led up to the climax of the ceremony, the pronouncement by Senator Roberts, "Citizens of Pennsylvania, your new Governor," which was received with tremendous cheers. Governor Earle then made his maiden speech in his official capacity, during which he pledged himself to serve the interests of the state and people to the best of his ability. At approximately 5.30 p.m. this simple but impressive ceremony terminated.

Builth Wells, Wales. R. M. J.

RECEPTION was poor throughout Sunday, high noise level prevailing on the 31 and 49-metre band. VK2ME was a poor signal at 2 p.m., but reached R5 later. Nothing whatever was to be heard of W3XAL on 16.87 metres, while W8XK (19.72 metres) was only R2. Both DJA and DJN were R9 and, together, occupied 4 degrees on my receiver dial !

Monday brought much better results. W3XAL reached R6 at 2.50 p.m., DJB was at quite good strength at mid-morning, and FYA was heard at R4 in the evening, while PRF5 was R4

at 10.30 p.m. Tuesday. W8XK was a bare R3 at midday, shortly afterwards falling well below R2. W3XAL provided an excellent signal at R7-8 during their one-hour transmission from 2 to 3 p.m. W8XK was "moderate" at 5.45 p.m., and HJV (50.26 m.) came in at good strength at 7 p.m.; but extremely high noise level spoilt reception. RW59, the Moscow station, was a good R8 signal from 7 to 9 p.m. but, as usual, we had " 49-metre-band conditions."

Wednesday brought excellent trans-Atlantic results. W3XAL was received splendidly (R8) from 2 p.m. until closing down. W8XK came in rather poorly and at 4 p.m. had only reached R5. It is curious that this station has been rather weak of late. RNE, on 25 metres, was excellent at 10.30 'a.m., and HJV (19.84 m.) was R9 for their short morning transmission. Static on 49-metre band was so bad on this day that there is nothing to report.

Thursday yielded scarcely any different results from the previous day. W3XAL was again good, but, strangely enough, Vatican City (19.84 m.) was about RI, an extraordinary change from the previous day. PRF5 (Rio), change from the previous day. PRF5 (R was a pleasant finish to the day's reception.

Friday. Very little to report, both W3XAL and W8XK being fairly intelligible for most of the day.

Saturday was a day of extremely good shortwave reception until 4 p.m., when VUB (Bombay) began at R3, accompanied by a heterodyne from W1XAZ, the latter becoming R5 at 5.30 p.m. An hour later W2XAF was received, announcing Tannhäuser, which was about to be relayed from the Metropolitan Opera House in Broadway. EAQ (30.43 m.) was heard at about R6 during the evening. Graveley, Huntingdon.

P. S.

The items in the above log were received on the loudspeaker with a 4-value battery-operated receiver—SG-v-2 (pentode output)—by one of our readers, aged fifteen years .- ED.

Special Broadcasts HP5B, Panama

A special broadcast, dedicated to the International Dx'ers Alliance, will take place on January 27 from 2.30 to 3.30 a.m. (G.M.T.). It will be from the new Panama station HP5B, which uses a power of 150 watts on 6,030 kc/s (49.75 m.). Reports should be sent either to Mr. W. Warner, 56, East Grove Road, St. Leonards, Exeter, Devon, or to Station HP5B, Apartado 910, Panama City, Panama.

Basle Radio Club

On February 13, from 10 to 11 p.m. G.M.T., the Radio Club of Basle will broadcast a special programme dedicated to the International Short Wave Club. The frequency will be 7,118 kc/s, (42.14 m.), 50 watts, and the call-sign HB9B. Reports are requested to Radio Club of Basle, Post Box No. 1, Basle, Switzerland.

TO OUR READERS-Kindly mention "World-Radio" when replying to advertisements

Below 100 Metres By "MICROM"

(January 14-20)

CONDITIONS during the past week or so have been considerably improved by the appearance of another sunspot, or rather group of spots,

on January 10-11. One of the best DX signals on Monday evening, January 14, was PRF5 (31.58 m.), and it was of interest to note that WAFF, a New York commercial, and WCN, the New York commercial, ward both grades York 'phone channel, were both good signals on approximately 58 metres. W8XK on 48.86 metres was, as usual, badly interfered with by RKK, but Rome (IRA or 2RO?) was exceptionally strong at RIO, although accompanied by the usual carrier hum.

At 8 p.m. on Tuesday, Rome on 30.67 metres was excellent at R10, with deep, occasional fading and good quality; at this time, too, the performance of WIW on 29 metres was indicative of the relatively high ionisation levels obtaining. Later, CTIGO and W8XK (48.86 m.) were heard well at the bottom end of the 49-metre band; W8XK was good, too per cent. intelligible at 9.30 p.m., but spoilt as usual by RKK.

On Wednesday evening I listened, to the aerial tests on GSB at Daventry, aerial "N" for Nigeria being stronger and slightly steadier than "O" for Ottawa, although both were strong, steady signals. Similarly on GSA later, after 11 p.m., aerial "Q" for Quebec was "R" for Rhodesia. Rome was again a very strong signal at 8 p.m., but was subject to strong morse interference from EAM, Madrid. No watch was kept on Thursday, but on Friday conditions still appeared to be good. Both DJA and DJN were very good signals

in the 31 m. band at 2 p.m. on Saturday after-noon and good signals were received from commercials as low (*sic*) as OPL, Leopoldville on 14.28 metres.

Sunday, January 20, saw quite a lot of short-wave activity; VK2ME, Sydney, for example, peaked to an excellent signal between 2 and 3 p.m. VK2ME's modulation level, and also quality, seemed to have improved tremendously recently, besides the increase in signal strength between 2 and 3 p.m. W8XK on 13.93 metres was a fair signal at times between 2 and 3 p.m. and W3XAL on 16.87 metres was also heard.

A new Venezuelan station, possibly YV5RMO, has been heard fairly well recently between DJC and GSA on 6,030 kc/s, 49.75 metres, and on Sunday night at 12.30 a.m. (Monday) W1XAL, a good signal on 49.67 metres, was heard carrying out tests. Late on Sunday evening HAT, Budapest, was a good, steady, strong signal on 55 metres.

The group of sunspots which appeared on January 10-11 should have crossed the solar meridian on January 18 to disappear "over the edge" about seven days later (January 25). Actually the spots "faded away" on Jan. 22, before reaching the edge of the disc. A fallingoff in conditions should therefore be noted from about that date-failing the appearance of further spots.

Readers are reminded, whilst on this subject, that February in each year is always marked by a large increase in solar activity-so polish up the 10-metre tuning coils !

Finally-a word about VUB, Bombay, on 31.36 metres. This station has been coming through fairly well in the late afternoons recently, but is rather spoilt by a 5 kc/s heterodyne from DJA. A selective superhet is able to separate these two stations, however, sufficiently well to enable one to hear the Bombay programme quite well, in spite of the rather persistent whistle from Berlin.

WORLD-RADIO

A New Weekly Feature

WE give below the first of a series of Short--Wave Station Identification Panels, which forms a new WORLD-RADIO feature for short-wave listeners.

D		1
Dav	(ENGLAND)	
CALL-SIGN	WAVELENGTH	FREQUENCY
GSA	49.59 m.	6,050 kc/s
GSB	31.55 m.	9,510 kc/s
GSC	31.32 m.	9,580 kc/s
GSD	2 5.53 m.	11,750 kc/s
GSE	25.29 m.	11,860 kc/s
GSF	19.82 m.	15,140 kc/s
GSG	16.86 m.	17,790 kc/s
GSH	13.97 m.	21,470 kc/s
GSI	19.66 m.	15,260 kc/s
GSJ	13.93 m.	21,530 kc/s
GSL	49.1 m .	6,110 kc/s
Power :	10 to 15 kW	
Opening Call	: "This is the	he British Empire
		ting Station at
	Daventry"	
Interval Signa	Bow Bells	
Closing Item :		them
Announcer : -		
		ements : English
		adcasting Corpora-
		badcasting House,
		lace, London, W.I.
Rece	ption reports a	are invited)
1.0000	Line vehored e	

Correspondence

"The Voice of Australia"

To the Editor of WORLD-RADIO

SIR,-I wish to report excellent reception of VK2ME, Sydney, Australia, to-day, January 20. I picked up this station at 2.30 p.m. G.M.T and enjoyed the excellent selection of records and two short talks on surf-bathing and surf life-saving. I regard this as my greatest thrill in short-wave listening, particularly when, at 3 p.m. G.M.T., the announcer told listeners it was I a.m. Monday morning in Australia.

The volume was amazing, and fading and atmospherics negligible. The concluding musical item was a record of the Massed Military Bands, followed by the laughing Kookaburra and National Anthem. Yours faithfully, J. E. W.

Manchester.

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To the Editor of WORLD-RADIO SIR,—The "Voice of Australia," Sydney, VK2ME, on 31.28 metres, was clearly heard in Wallasey, Cheshire, from 2.45 p.m. to 4 p.m. on Sunday, January 13. Reception improved from $R_3/F/X$ to R_5 -6/F/N. The programme consisted mainly of gramophone records interpolated with interesting facts about Tasmania, New South Wales, and Queensland. "I might mention that it is raining very heavily outside at the moment," the announcer kindly informed us at one point in the programme. VK2ME closed down at 4 p.m. G.M.T. (or as the announcer stated "It is now 2 a.m. Monday announcer stated It is now 2 a.m. Monday morning, January 14, 1935"), with the call of the kookaburra, followed by the National Anthem and "Good morning, Good afternoon, and Good-night" from the announcer. "Tis true that distance lends enchantment, and there is no denying the thrill of listening to a voice over 10,000 miles away.

way. Yours faithfully, T.V.W. Wallasey, Cheshire.

Short-Wave Reports

To the Editor of WORLD-RADIO SIR,—I enclose my short-wave report for January 12 and 13, hoping that it will prove of interest to other readers. My set is an SG—v—pen. with loudspeaker and outdoor aerial.

an. 12-3.30 p.m. W8XK (19.7	2 m.) R8/FS/N. Man Talking.
" 12-3.45 p.m. FYA (19.68	m.) R5/FR/N. Music.
" 13-3.40 p.m. DJN (31.45	m.) R9/N/N. Orchestra.
13-3.46 p.m. VK2ME (3	1.28 m.) R9/FR/N. Records,
Call, Close.	
	m.) R7/FR/X. Lady Singing.
" 13-4.15 p.m. W8XK (19.	72) R6/FS/N. Service.
" 13-4.17 p.m. CTIGO (2	4.2 m.) R9/FFS/N. Music,
Anthem and Close.	2
	m.) R9'FFS/X. Address.
	.4 m.) R9/N/X. Singing and
Orchestra.	
, 13-4.44 p.m. LKJ1 (48.9	m.) R8/N/X. Orchestra.
" 13-4.52 p.m. RW72 (45.38	m.) R8/FFR/X. Man Talking.
	m.) R9/FS/X. · Interval Signal;
and Call.	1.25) DEIED IN Maniatu
	1.35 m.) R5/FR/X. Variety. (31.48 m.) R8/FFR/X. Judge
Rutherford from Los A	(31.40 m.) KO/FFR/A. Judge
13_10 nm W8YK (49.86	m.) R6/FR/XX. Man Talking.
	RS/FR/X. Big Ben and Call.
" 13—11.27 p.m. DJA (31.	38 m.) R5/FRR/X. Vernon
Bartlett.	50 m.j Roji Ruja. venou
	ours faithfully,
	ours faithfully,
Ryde, I.W.	A. W. S. F.
**	资
To the Editor of WORLD-RA	010
	ort may be of interest to
other readers in my district	
lan 12-12.45 p.m. LKJI (31.45	m) PSE/XX Talking
	7 m.) R8FFR/N. Dance music.
, 12-10.40 p.m. PRF5 (31.58	m) R7N/X News
" 12—10.40 p.m. PRF5 (31.58 " 12—10.42 p.m. GSB (31.55 r) R6N X Dance music
" 12-10.45 p.m. W8XK (48.8	6 m) R6N/XX. Call
" 12-10.55 p.m. RW59 (50 m) RSN/X. Call anthem, close,
	n) R6N/X Call in English

- 12-11.14 p.m. COC (49.92 m.) R6N/X. Call in English.
 12-11.22 p.m. DJC (49.83 m.) R8N/X. Orchestra.
 13-2.21 p.m. VK2NIE (31.28 m.) R8F/X. Call and organ.
 13-2.32 p.m. DJA (31.38 m.) R8F/X. Election report in
- German. 13—4.50 p.m. LKJ1 (48.94 m.) R8N/X. Orchestra. 13—5.2 p.m. OXY (49.5 m.) R7N/XX. Church Service. 13—7.15 p.m. W1XAZ (31.35 m.) R5FS/N. Call and talk.

My receiver is an SH6. Reception on loudspeaker.

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Newport, Mon.
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Yours faithfully, W. W. D. M. 34 16

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To the Editor of WORLD-RADIO SIR,—The following report of stations logged during the past few days may be of interest to other readers in this district. Receiver is o-v-2 with 'phones and outdoor aerial.
Jan. 12-4.35 p.m. VUB (31.36 m.) R5/F/N. Call.

13-1.55 p.m. HAS3 (19.52 m.) R6/F/N. Call. in English.
13-3.59 p.m. VK2ME (31.28 m.) R7/F/N. 'God Save the King.''
14-12.5 p.m. DJN (31.45 m.) R9/N/N: News in English.
14-12.16 p.m. WIXAZ (31.35 m.) R1/F/N. 'God Save the King.''
14-12.16 p.m. WIXAZ (31.35 m.) R1/F/N. Call.
14-12.15 p.m. GSE (25.29 m.) R5/F/N. Call.
14-2.15 p.m. W3XAL (16.87 m.) R7/F/N. Breakfast club.
14-2.15 p.m. FYA (19.68 m.) R5/F/N. Landt Trio.
14-2.15 p.m. W3XAL (16.87 m.) R7/F/N. Breakfast club.
14-2.15 p.m. WIXAL (16.67 m.) R6/F/N. Talk.
14-5.18 p.m. WIXAL (19.67 m.) R6/F/X. Orphan Anaic.
14-5.18 p.m. W3XAL (49.88 m.) R6/F/X. Orphan Anaic.
14-11 p.m. 2RO (49.3 m.) R9/N/X. American hour.
14-11 p.m. LKJ1 (48.94 m.) R7/F/X. Records.
16-9.50 a.m. RW59 (25 m.) R8/N/N. English Talk. 'phones and outdoor aerial.

- Yours faithfully, G. J.

Prestatyn, N. Wales.

To the Editor of WORLD-RADIO

SIR,—The following report may be of interest to other readers :--

Jan. 16-11.1 p.m. 2RO (49.3 m.) R9/N/N. Wavelength given as 49.2 metres.
16-11.33 p.m. COC (49.92 m.) R8/FR/X. Call in English.
17-11.10 p.m. PRF5 (31.58 m.) R7/FRR/N. Call.
17-11.24 p.m. EAQ (30.43 m.) R9/F/N. Call.
18-12.4 a.m. CTIAA (31.25 m.) R8/FR/N. Call in English and close.
19-8.50 a.m. VK3LR (31.32 m.) R4/FR/N. Market-prices.

- 29
- 19-8.50 a.m. VK3LR (31.32 m.) R4/FR/N. Market-prices.
 19-2.25 p.m. V8XK (13.93 m.) R6/FFFR/N. Singing.
 19-2.50 p.m. W3XAL (16.87 m.) R9/FFR/N. "Singing in the rain."
 19-4.45 p.m. VUB (31.36 m.) R6/FFR/N. Native singing.
 19-5.26 p.m. GSA (49.59 m.) R9/N/N. Ambrose and his Orchestra.
 19-5.41 p.m. VQ1LO (49.5 m.) R4-5/FR/N. Recording of the London Palladium Orchestra.
 19-10.45 p.m. W3XAL (49.18 m.) R9/FR/X. Call and Ranch Boys.
 19-11 p.m. VE9GW (49.22 m.) R4/FI/X. Call
 20-1.20 p.m. HAS3 (19.52 m.) R9/FFS/N. Asking for reports.
- 22
- reports. 20-1.32 p.m. VK2ME (31.28 m.) R3/FFF/N. Orchestra, 20-6.10 p.m. W8XK (19.72 m.) R6/FFR/N. Tenor.

Receiver is o-v-2 with 'phones and outdoor Yours faithfully, D. R. W. aerial.

Hayward's Heath, Sussex.

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WORLD-RADIO.

SHORT-WAVE BROADCASTING STATIONS

Th	is list inc	ludes st	ations which broadcast regularly on wavelengt	ths below 10	o metres.	Wher	e ascerta	inable the times of operation are given in G.	м. т.
m.	kc/s	kW		Dial Readings	m.	kc/s	k₩		al Readings
84.67	3543	0.15	Mozambique (East Africa) CR7AA. MON., THURS., SAT., 6.30-8.30 p.m.	••••	46.3 45.38	6480 6610	0.I I0	Cali (Colombia) HJ5ABD. Moscow RW72 (Russia).	
		(0.18			45.3I	6620	1.1-	Riobamba (Ecuador) PRADO. FRI.,2-4 a.m.	
75	4000	0.05	TUES., and FRI., 11.40 a.m.—1.40 p.m.		45	6667	0.2	Guayaquil (Ecuador) HC2RL. SUN., 10.45	• • • • • • • • •
		0.05	Ponta Delgada (Azores) CT2AJ. WED., SAT., 10 p.m.—12 m'nt.	* * * * * * * * *	43	6976		p.m.—12.45 a.m.; TUES., 2.15—4.15 a.m. Madrid EA4AQ. TUES., SAT., 10 p.m.	
73	4110	0.5	Quito (Ecuador) HCJB. 12 m'nt-3 a.m.		41.9	7150	0.3	Manizales (Colombia) HJ4ABB.	
70.2 58.31	4273 5145	20			41.8	7177	0.5	Lobito (Angola) CR6AA. WED., SAT., 7.30	• • • • • • • •
55.56	5400	20	Budapest (Hungary) HAT. MON. 1-2 a.m.		41.6	7211	0.2	Tenerife Radio Club EA8AB.	
52.7	5692	0.5	Tananarive (Madagascar) FIQA. D'ly (ex.		38.48	7797	20	Radio Nations (Switzerland) HBP. SAT.,	
			SUN.), 8-8.45 a.m.; 3-4 p.m.; SAT., 5.30-7 p.m.; SUN., 7.30-8 a.m.		37.33	8035	10	10.30—11.15 p.m. Rabat (Radio Maroc)CNR. SUN.,8-10.30 p.m.	
51.28	5850		Maracaibo (Venezuela) YV5RMO. 5-6 p.m.		31.58	9500	15	Rio de Janeiro PRF5. 10.30-11.15 p.m.	
50.85	5900	0.05	10.30 p.m.—3 a.m. Medellin(Colombia) HJ4ABE,12m'nt-4a.m.		31.55	9510	15	*Daventry GSB. Melbourne (Australia) VK3ME. WED.,	• • • • • • • •
50.27	5968.	10	Vatican City(Italy)HVJ. Daily,7-7.15 p.m.		32.33	9310	2	10-11.30 a.m. ; SAT., 10 a.m12 noon:	
50.16	5980	0.2	Santo Domingo (D.R.) HIX. D'ly at 12 n'n;		31.48	9530	40	Schenectady(N.Y.)W2XAF.11.30 p.m4 a.m.	
50.08	5990		WED., SAT., 1.10 a.m.; SUN., 12.38 p.m. Caracas (Venezuela) YV4RC.				(I	SAT., 7—10 p.m. Jelöy (Norway) LKJ1. 10 a.m.—1 p.m.	
		(Barcelona Radio Club (Spain) EAJ25. SAT.,		31.45	9540	5	Zeesen (Germany) DJN. 8.45 a.m12.15	
50	6000	0.3	8.30–9.30 p.m. Bucharest (Romania).		31.38	- 9560	t	p.m.; 1-4.30 p.m.; 10.15 p.m3.30 a.m. Zeesen (Germany) DJA. 1-4.30 p.m.;	
· •		20	Moscow RW59. 8-11 p.m.		51.30	9500	5	10.15 p.m.—2.15 a.m.	
49.96	6005	4	Montreal VE9DN. 4.30-5 a.m.	5	31.36	9565	4.5	Bombay(Ind.)VUB.SUN. 3.30-4.30 p.m.WED.	
		0.5	Havana (Cuba) COC. 2.30–4.30 p.m. 9– 11 p.m. Sun., 4.30–5.30 a.m. also.		31.35	9570	IO	SAT., 4.30-5.30 p.m. (Irreg. MON. THURS.) Springfield (Mass.) W1XAZ. 12 n'n-6 a.m.	
49.92	6010	0.25	Bogotá (Colombia) HJ3ABH.				15	*Daventry GSC.	
49.85	6018	0.09	Singapore (S.S.) ZHI. MON., WED., THURS.,		31.32	9580	{ 0.6	Lyndhurst (Victoria, Australia) VK3LR.	
10 80	6020	_	11 p.m1.30 a.m.; SUN., 3.40-5.10 a.m.				T	Daily (ex. SUN.), 8.15 a.m.—12.30 p.m. Philadelphia (Pa.) W3XAU. 5 p.m.—12 m'nt	
49.83	0020	5	Zeesen (Germany) DJC. 10.30 p.m.—3.30 a.m.; 5—9.30 p.m.	• • • • • • •	31.28	9590	20	Sydney (Australia) VK2ME. SUN., 6-8 a.m.;	
	1	6.5	Boston (Mass.) WIXAL. SUN., 10 p.m		31.27	9595	20	10 a.m.—4 p.m. Radio Nations (Switzerland) HBL. SAT.,	
49.67	6040		12 m'nt.; WED., FRI., 12.30-2 a.m.		51.27	9393	20	10.30-11.15 p.m.	
	6050		Sourabaya (Java) YDB. 3.30-6.30 a.m. *Daventry GSA.	*! * * * ⁷ * * * *	31.25	9600	2	Lisbon (Portugal) CT1AA. TUES., THURS.,	
49-59	00,0	(10	Cincinnati W8XAL. 12 n'n-1 a.m.; 4-6a.m.		31	9677	0.5	SAT., 9.30 p.m.—12 m'nt. Lisbon (Portugal) CT1CT. THURS., 9—11	
		0.5	Nairobi (Kenya) VQ7LO. Daily, 4-7 p.m.					p.m.; SUN., 12 noon-2 p.m.	
			(SAT. to 8 p.m.); MON., WED., FRI., ro.45-11.15 a.m.; TUES. 8-9 a.m.;		30.67	9780	20	Rome (Italy) 2RO SUN., 4-6.30 p.m. THURS., and SAT. 12.45-2.15 a.m.	
49.5	6060	1	Thurs., 1-2 p.m.	=	30.43	9860	20	Madrid (Spain) EAQ. 10.15 p.m.—12.30	
		I	Philadelphia'(Pa.) W3XAU. 12 m'nt-4 a.m.					a.m.; SAT., 6—8 p.m.	
		0.5	Skamlebaek (Denmark), OXY. 6p.m12m'nt. SUN., 4 p.m.	•••••	29.04 28.98	10,330	9	Ruysselede (Belgium) ORK. 6.30–8 p.m. Buenos Aires LSX. Daily, 8–9 p.m.	
49.43	6069	0.007	Vancouver (B.C.) VE9CS. SAT., 4.30-		25.65	11,695	0.2	Caracas (Venezuela) YV3RC.	
49-4	6072	0.25	5.45 a.m.; SUN., 4 p.m.—4 a.m. Vienna Experimental OER2. D'ly,2-10 p.m.				2	Winnipeg (Canada) CJRX. Daily, 12 m'nt- 5 a.m.; SAT., 9 p.m6 a.m.; SUN., 10	
	6080	10.5			- 25.6	11,720	-	p.m3.30 a.m.	
49.34	6085	1	La Paz (Bolivia) CP5. 12.45-2.15 a.m.			-	IO	Radio Colonial (Paris) FYA. 12 m'nt-	
49 ·3 49.26	6090	20 0.I	Rome (Italy) 2RO. MON., WED., FRI., 11 p.m. St. John (New Brunswick), VE9BJ. Daily,		25.57	11,730	23	3 a.m. ; 4—6 a.m. Huizen (Holland) PHI. (ex. Tues., Wed.) 1—	
			Ta mint-T an a m		- 5.57			3 p.m.; SAT. to 3.30 p.m.; SUN. to 4 p.m.	
49.22	6095	0.5	Bowmanville (Canada). VE9GW. Mon., Tues., WeD., 8 p.m5 a.m.; Thurs.,		25.53	11,750	15	*Daventry GSD.	'
1.00			FRI., SAT., 12 noon-5 a.m.; SUN.,		25.4 9 25.45	11,770 11,790	-5	Zeesen (Germany) DJD. 5-9.30 p.m. Boston (Mass.) W1XAL. 11 p.m12.30 a.m.	· · · · · · · · · ·
10.2	6005		6 p.m.—2 a.m.		25.4	11,810	9	Rome (Italy) 2RO.	
49.2	6097	5	Johannesburg (S.A.) ZTJ. D'ly (ex. SUN.), 4.30-5.30 a.m.; 8.30-12 noon; 2-8	• • • • • • • •	25.36 25.29	11,830 11,860	I 15	Wayne (N.J.) W2XE. 8—10 p.m. *Daventry GSE.	• • • • • • • •
			p.m. (9.45 p.m. SAT.); SUN., 1-3.15		25.27	11,870	40	Pittsburgh W8XK. 9.30 p.m3 a.m.	
		Car	p.m.; 5.30-8 p.m.		25.23	11,880	IÒ	Radio Colonial (Paris) FYA. 4.15-7.15p.m.;	
49.18	6100	15	Bound Brook (N.J.) W3XAL. MON., WED., and SAT., 10—11p.m.SAT.5—6 a.m.		25	12,000	20	8—11 p.m. Moscow (Russia) RW59. SUN., 3—4 a.m.;	
49.10	0100	j io	Chicago (Ill.) W9XF. ex. MON., WED.,					II a.m.—12 noon; 3-4 p.m.	
		(15	SUN., 9 p.m.—7 a.m. *Daventry GSL		24.83	12,082	0.5	Lisbon (Portugal) CTICT. SUN.,2-4 p.m.; THURS., 8-9 p.m.	
		0.5	Calcutta (India) VUC. D'ly 7.6-8.6 a.m.;		24.2	12,396	0.3	Parede (Portuguese Radio Club) CTIGO.SUN	
49.I	.6110	-	Irreg. 1.6-4.36 p.m. (SAT. from 12.36 p.m.) SUN. 4.36-7.36 a.m.; Irreg. 12.36-3.36 p.m.		22.20	12,830	IO	3-4.30 p.m.; TUES., THURS., FRI. 6-7.15 p.m. Rabat(Radio Maroc)CNR.SUN., 12.30-2p.m.	
		0.5	Halifax (N.S.) VE9HX. 2-4.30 p.m.;		23.39 19.84	12,030	IO	Vatican City (Italy) HVJ. 10–10.15 a.m.	
10.08	6112	1	9 p.m.—4 a.m.		19.82	15,140	IO	*Daventry GSF.	
49.08	0112	0.25	Caracas (Venezuela) YV2RC. Daily (ex. SUN.), 4-6.15 p.m.; 10 p.m2.30 a.m.		19.74	15,200	5	Zeesen (Germany) DJB. 5.30-7.30 a.m.; 8.45 a.m12.15 p.m.	* * * * * * * *
			SUN., 6.30 p.m3.30 a.m.		19.72	15,210	40	Pittsburgh W8XK. 1-9.15 p.m.	
49.02	6120	I		•••••	19.71	15,220	18	Huizen (Holland) PCJ. Experimental.	
48.94	6128	L I.5 I	Bandoeng (Java) YDA. 3.30–6.30 a.m. Jelöy (Norway) LKJ1. 3–11 p.m.		19.68 19.67	15,243 15,250	10	Radio Colonial (Paris) FYA. 12 n'n-4 p.m. Boston (Mass.) W1XAL. 3.50-6.30 p.m.	
48.86	6140	40	Pittsburgh W8XK. 9.30 p.m6 a.m.		19.66	15,260	IO	*Daventry GSI.	
0.0		2.	Winnipeg (Canada) CJRO. D'ly, 12 m'nt- 5 a.m.; SAT., 9 p.m6 a.m.; SUN., 10		19.64 19.56	15,270	I 20	Wayne (N.J.) W2XE. 4-6 p.m. Schenectady W2XAD. Daily 7.30-8.30 p.m.	
48.78	6150	1 -	p.m.—3.30 a.m.		19.50 19.52	15,330 15,370	20	Budapest (Hungary) HAS3 SUN. 1-2 p.m.	
10	67.0		Caracas(Venez.)YV3RC. 8.30 p.m1.30 a.m.		17.33	17,310	20	Bound Brook (N.J.) W3XL. 4-10 p.m.	
48.4	6198	0.35	Parcde (Portuguese Radio Club) CT1GO. SUN. 4.30 -6 p.m., Daily (ex. TUES.),		16.89 16.87	17,760 17,780	.15	Zeesen (Germany) DJE. 1-4.30 p.m. Bound Brook (N.J.) W3XAL. D'ly (ex.	
			12.20—1.30 a.m.	<u> </u>		-/3/00		SUN.) 2-3 p.m. TUES., THUR., FRI 8-9 p.m.	
47.5	6316	18	Santo Domingo (D.R.) HIZ.	· · · · · · · · · · · ·	16.86	17,790	IO	*Daventry GSG.	
46.69	6425 6447	0.3	Bound Brook (N.J.) W ₃ XL. Experimental. Barranquilla (Colombia) HJ1ABB. Daily,		I3.97 I3.93	21,470 21,530	10	*Daventry GSH. *Daventry GSJ.	
J			4.15-6 p.m. ; 11 p.m3 a.m.		13.93	21,540	40	Pittsburgh W8XK. 12 noon-7 p.m.	
1		* For tr	ansmission times see Short-Wave Programmes.				For L	ong and Medium-Wave stations see page 62.	

SHORT-WAVE PROGRAMMES

For wavelengths, see S.W. list.

* Electrical Recording t Gramophone Records

SUNDAY, Jan. 27 EMPIRE

EMPIRE Transmission 1 (8.0-9.0 GSD, GSB; 9.0-10.0 GSD, GSF) 8.0 a.m.— Big Ben. A John Ircland Pro-gramme. Stuart Robertson (Bari-toney; Ernest Lush (Pianoforte). 8.30—Nightmare Series.—8:* "Be-hind the Wall." A Ghost Story by Noel Streatfeild, told by the Author. 8.45—Jack Salisbury (Violin). Czardas (Monti). Spanish Dance (Go-mer). Le Canari (Poliakin). 9.0— Roman Catholic Service.* 9.45— Newsletter. 10.0—Close.

Transmission 2 (GSE, GSF). 12.30 p.m.—Big Ben. Pianoforte Recital. 1.0—Talk on India.* Mr. Isaac Foot, M.P. 1.20—Leslie Bridge-water Quintet. 1.45—Newsletter. 2.0—Close.

- Transnission 5 (GSC, GSA), 11.0 p.m. Big Ben. Service.* 11.45—Talk : "Living Dangerously." 12.0— Antonia Butler ('Cello) ; Denise Lassimonne (Pianoforte). 12.45— Newsletter. 1.0—Close.
- BOMBAY, 3.30-4.30 p.m.—Indian Programme: Dinkerrao Ammembal.
- BOSTON (WIXAL), 10.0 p.m.— Concert froin the New England Conservatory of Music. 10.15— Devotions. 10.30—Concert (contd.). 10.45—Talk by the Director of the Hobby School. 11.0—Concert (contd.). 11.15—Talk by Benjamin C. Marsh: "Socialisation or Chnos." 11.30—Concert (contd.). 11.45—Service.

BUDAPEST, 1.0-2.0 p.m.-News, Cigány Music,

CARACAS, 6.30 p.m. – Popular Music. 7.15–Horse Races, 10.30 –Light Classical Music. 11.30– Dance Music. 1.0 a.m.–Concert. 3.30–Close.

- HUIZEN (PHI), 1.0 p.m.—Announce-ments. 1.5—Song Recital 1.20— Records : Overture, Oberon (Weber). Pablo Casais (Cello) : After a dream (Fauré). Slavonie Dance (Dvořák). 1.40—Taik. 2.0 —Song Recital. 2.15—Records : Walter Gieseking (Pianoforte) ; Two Arabesques (Debussy) ; Overture, In Spring (Goldmark). 2.40— Conzert. 3.40—Dance Records. 4.0—Close. In Spring (Concert. 4.0—Close.
- MADRID (EAQ), 10.15 p.m.—News. 10.30—Spanish Music. 10.45— —See Madrid (EAJ7). 12.0-12.30 a.m.—Spanish Music.
- MOSCOW (50 m.), 3.0 a.m. Eng-Jish Talk. 10.0—English Talk. 1.0 p.m.—Swedish Talk. 3.0—English Talk. 8.0—Spanish Talk. 9.5— English Talk. 10.5—German Talk.
- MOSCOW (25 m.), 3.0 a.m.—English Talk. 11.0—English Talk. 3.0 p.m. —English Talk.

--English News. 1.15--Letter-box. 1.30--Talk. 1.45--Review. 2.0--Records. 4.0--News. 4.30--Letter-box. 4.45--Talk. 5.0--Records. 5.45--News.

Letter-box. 4.45--1atk, 5.0-Records, 5.45--News. PITTSBURGH, 2.0 p.m. - Coast to Coast, 3.0 - Southernaires, 3.30-Morning Musicale, 5.0-Service, 6.0-Gigantic Pictures, 5.30 -Music Hall, 6.30--Youth Con-ference, 7.0-Anthony Frome, 7.15-Dog Chats, 7.30-Theatre, 8.30 - Vespers, 9.30 - Morton Downey, 10.0 - Roses and Drums, 10.30 - Travelogue, 10.45 - Dog Drama, 11.0 - Those Three Girls, 11.15 - Comedy Stars, 11.30 - Grand Hotel, 12.0 -Jack Benny, 12.30 a.m. - Joe Penner, 1.0 - Symphony Concert, 2.0 - Silken Strings, 2.30 -Walter Winchell, 2.45 - Sherlock Holmes, 3.15 -Y.M.C.A, 3.30-Fireside, 4.0 - Roxanne Wallace, 4.15-Missionary Broadcast, 5.0-Band, 5.30-Orchestra, 6.0-Goodnight, PORTUGUESE RADIO CLUB

PORTUGUESE RADIO CLUB (CTIGO), . 3,0 p.m.—Light Music. 4.30-6.0—Portuguese and Spanish Music.

ROME (30.67 m.), 4.0-6.30 p.m.— Announcements. Sports News. Symphony Concert relayed from the Augusteo.

RUYSSELEDE, 6.30 p.m.—Dance Records, 7.30—News in French. 7.45—News in Flemish. 8.0— Ciose.

" K-7 "-Seci 4.0-Résume.

4.0—Résumé.
SKAMLEBAEK (OXY), 4.0 p.m.— Close : Kalundborg Programme.
ZEESEN (DJB, DJN), 8.45 a.m.— Announcements (German, English). 9.0—Unforgotten Voices. 9.30— News and Review (English). 9.45— Variety. 10.45—News and Review (German). 11.0—Light Music. 12.0—News and Review (English). 12.15 p.m.—Close.

12.15 p.m.—Close. ZEESEN (DJD, DJC), 5.0 p.m.— Announcements (German, English), 5.15—News in German, 5.30— Sunday Programme, 5.45— Theatre, 6.15—Variety, 7.0— News in English, 7.15—Light Music, 8.15—"Happy - Life." 8.30—Dance Music, 9.0—News (German, English), 9.30—Close.

(German, Englisb). 9.30—Close.
ZEESEN (DJA), 10.15 p.m.—Announcements (German, Portuguesc). 10.20—Theatre. 10.45—News (German). 11.0—Sunday Programme. 11.15 — Orchestra.
12.15 a.m.—News in Portuguesc.
12.30—Songs of Other Nations.
1.15—Sports News. 1.30—Song Recital. 2.0—Close.

Recital. 2.0—Close. ZEESEN (DJC), 10.30 p.m. — Announcements (German, English). 10.45—News in German. 11.0— Sunday Programme. 11.15—Or-chestra. 12.15 a.m.—Sports News. 12.30—Songs of other Nations. 1.15—News in English. 1.30— Song Recital. 2.0 — News in German. 2.15 — Variety. 3.30— Close. German. Close.

MONDAY, Jan. 28 EMPIRE

EMPIRE Transmission 1 (8.0-9.0 GSD, GSB; 9.0-10.0 GSD, GSF). 8.0 a.m.— Big Ben. Burns Night.* 8.30— Empire Orchestra. Music by.Eric Coates: Overture, The Merry-makers; Valsette, Wood Nymphs; Two Light Syncopated Pieces. Fantasy. The Selfish Giant. 9.0— Talk on India.* Mr. Isaac Foot, M.P. 9.20—Orchestra (contd.). Fantasy on Mendelssolin's Music (arr. Urbach). 9,45—Empire News: 10.0—Close.

Transmission 2 (GSE, GSF), 11.0 a.m. —Big-Ben: Cinema Organ, 11.45—

See Sunday, 11.45 p.m.* 11.30-Northern Orchestra. 12.30 p.m. "This Way, Please."* 12.45-Haydn Heard's Band. 1.0-" Mar-tyrs.,"* 1.15-Band (contd.). 1.30 --Interlude.† 1.40-Empire News. 2.0-Close.

- Transmission 3 (2.15-3.45 GSE. GSB; 3.45-5.0 GSB, GSA; 5.0-5.45 GSA, GSD). 2.15 p.m.—Big Ben. Arthur Salisbury and Orchestra. 2.30—"On with the Show."* 3.0—Belfast Wireless Orchestra. Eileen Mason (Soprano). 3.45— Sports Talk.⁶ 4.0—Florence Hooton ('Cello); Dorothy Manley (Pianoforte). 4.30—Empire News. 4.50—Cussons' Excelsior Band. 5.15—Mantovani and his Tipica Orchestra. 5.45—Close.
- Transmission 4 (6.0-9.30 GSD, GSB; 9.30-10.45 GSB, GSA). 6.0 p.m.-Big Ben. Empire News. 6.15-"On with the Show."* 6.45-Midland Orchestra. 7.0-See Sun-day, 8.30 a.m.* 7.15-B.B.C. Dance Orchestra. 8.0-"Songs from the Films." 9.0-Cinenta Organ. 9.30-Theatre Orchestra. 10.0-Empire News. 10.20-In-ternational String Quartet. Freder-ick Thurston (Charinet). 10.45-Close.
- Transmission 5 (GSC, GSA), 11.0 p.m. —Big Ben. Dance Music, 11.30— Sports Talk.* 11.45—Tunes of the Times : Empire Orchestra. Ray-monde Collignon (Soprano). 12.45 a.m.—Empire News. 1.0—Close.
- BUDAPEST, 1.0-2.0 a.m. Station UDAPEST, 1.0-2.0 a.n. — Station Orchestra. Overture, Figaro (Mozart). Cherubino's Aria, Figaro (Mozart). Aria, The Magic Flute (Mozart). Serenade, The Barber of Seville (Rossini). Selection, Swine-herd and the Princess (Poldini). Duet, Madam Butterfly (Puccini). Aria, Les Cloches de Corneville (Planquette). Aria, The Bird-Fancier (Zeller). Selection, The Merry Widow (Lehár).
- CARACAS, 4.0-6.30 p.m.—Records. 9.45 p.m.—Sports News. 10.0— Light Music. 10.30—Children's Hour. 10.45—Dance Music. 11.15 —News. 11.45—Variety. 12.0— Trio. 12.15 a.m.—Venezuelan Music. 12.30—The Crazy Coons. 12.45—Dance Music. 1.0—Read-ing. 1.30—Light Classical Music. 2.0—Dance Music. 2.30—Talk. 3.0—Close. 3.0-Close.
- HUIZEN (PHI), 1.0 p.m.—Announce-ments. 1.10—Sports Talk. 1.30— Records: The Cadets March (Sousa). Waltz (Waldteufel). Rustle of Spring (Sinding). 1.45—Letter-box. 2.15—Records. 2.30—Talk. 2.45—Records. 3.0—Close.
- MADRID (EAQ), 10.15 p.m.-News. 10.30-Spanish Music. 10.55-News. 11.0-Catalan Programme. 12.0-Close.

MOSCOW, (50 m.), 8.0 p.m.— German Talk. 9.5—English Talk. 10.5—Hungarian Talk:

- 10.5--Hungarian Talk: PARIS (Radio-Colonial), 12 noon---News; Exchange, 12.30 p.m.--Concert, 1.30-English News, 1.40-Shipping, 1.50-Talk, 2.0--Talk, 2.15-Talk, 2.30-Instru--mental and Vocal Recital. 4.15 --News; Exchange, 5.0-Talk, 5.15-Orchestra. 6.15-Shipping, 6.30-Talk, 6.45-Talk, 8.0-News; Exchange, 8.30-To be announced, 10.30-Shipping, 10.45 ---Talk, 12.0-News; Exchange, 12.45 a.m.-Shipping, 1.0-English News, 1.15-Talk, 1.30-Talk, 1.45-Talk, 2.0-Records, 4.0-News; Exchange, 4.30-Shipping, 4.55-Talk, 5.0-Records, 5.45-News. News.
- News. PITTSBURGH, 12 noon-Musical Clock. 1:0 p.m.-Devotions. 1.15 -Organ. 1.45-Trio. 2.0-Break-fast Club. 2.30-Style and Shop-ping. 2.45-Sammy Fuller. 2.55-Minute Manners. 3.0-Josephine Gibson. 3.15-Holman Sisters. 3.30-To-day's Children. 3.45-News; Sexfet. 4.0-Honey-mooners. 4.15-Tony Wons. 4.30 -Orchestra. 5.0-Hank Keene. 5.15-Charles Sears (Tenor). 5.25-Farm Market and Produce Report. 5.30-Farm and Home Hour. 6.30-Home Forum. 7.0-Music Guild. 7.30-Smackout. 7.45-Human Values. 8.0-Or-

chestra. 8.45—Charm. 9.0—Betty and Bob. 9.15—East and Dunke. 9.30—Market Reports. 9.45— Orchestra. 10.0—Comedy Capers. 10.15—Kiddies' Klub. 10.30— Singing Lady. 10.45—Orphan Annie. 11.0—Dan and Sylvia. 11.15 —Nancy Martin-11.30—News. 11.45—Lowell Thomas. 12.0— Amos 'n' Andy. 12.15 a.m.— Plantation Echoes. 12.30—Red Davis. 12.45—Dangerous Paradise. 1.0—Yeast Foamers. 1.30— Carnival. 2.0—Minstrels. 2.30— Princess Pat Players. 3.0—Or-chestra. 3.15—Hank Keene. 3.30 —To be announced. 4.0—Squire Hawkins. 4.15—Orchestra. 4.45— Orchestra. 5.15—Orchestra. 4.45— Orchestra. 6.0—Good Night.

- PORTUGUESE RADIO CLUB (CT1GO), 12.20-1.30 a.m.-Light Music.
- ROME (49.30 m.), 11.0 p.m.—An-nouncements. Talk. Act II of Mascagni's opera "Nero." News, ctc.—Close.
- RUYSSELEDE, 6.30 p.m.-Brussels No. 1 Programme. 7.30-News in No. 1 Programme. 7.30—News in French. 7.45—News in Flemish. 8.0—Close.
- French. 7.45-Prews in Frendish, 8.0-Close.
 SCHENECTADY, 7.0 p.m.—Sketches with Music. 7:45-Igor Gorin (Baritone). 8.0-" Vic and Sade" -Comedy Sketch. 8.15-" Ma Perkins"-Dramatic Sketch. 8.30 -Barry McKinley (Baritone) and Orchestra. 11.30-News. 11.35-Carol Deis (Soprano). 11.45-"Billy Batchelor" Dramatic Sketch. 12.0-Talk. 12.15 a.m.-" "Stories of the Black Chamber"--Dramatic Sketch. 12.45-Variety. 1.0-Richard Himber's Orchestra. 1.30-Chorus, Orchestra and Gladys Swarthout (Mezzo-Soprano). 2.0-A and P Gipsies. 2.30-House Party. 3.0-Contented Programme -Lullaby Lady, Male Quartet and Orchestra. 3.30-Forum. 4.0-Résumé.
- SKAMLEBAEK (OXY), 6.0 p.m.-Close : Kalundborg Programme.
- VATICAN CITY, 10.0-10.15 a.m.— Religious Information in Italian. 7.0-7.15 p.m.—Religious Informa-tion in Italian.
- Announcements (German, English), 9.0—Song Recital. 9.30—News in English. 9.45—Orchestra. 10.45— News in German. 11.0—Light Music. 12.0—News in English 12.15 p.m.—Close.
- 12.15 p.m.—Close, ZEESEN (DJD, DJC), 5.0 p.m.— Announcements (German, English), 5.15—News in German, 5.30— Music: Topical Events, 6.0— Song Recital, 6.30—Talk, 6.45— Organ Recital, 7.0—News in English, 7.15—Sports News, 7.30 —Orchestra, 8.30—Unforgotten Voices, 9.0—News (German, English), 9.30—Close,
- English). 9.30—Close, ZEESEN (DJA), 10.15 p.m.—An-nouncements (German, Spanish) 10.20—Light Music. 10.35— Topical Talk. 10.45—News in German. 11.0—" How they hopped and sprang. . . "—readings. 12.15 a.m.—News in Spanish. 12.30— Talk. 1.15—News. 1.30—Light Music. 2.0—Close.
- Music. 2.0--Close. ZEESEN, (DJC), 10.30 p.m.-An-nouncements (German, English). 10.45-News in German, 11.0-See DJA, 12.15 a.m.-Topical Talk, 12.30-Talk, 1.15-News in English, 1.30-Light Music, 2.0-News in German, 2.30-Light Music, 3.30-Close.

TUESDAY, Jan. 29 EMPIRE

- EMPIRE Transmission 1 (8.0-9.0 GSD, GSB; 9.0-10.0 GSD, GSF), 8.0 a.m.— Big Ben. Act II "Tosca" (Puccini), f 8.45—Sports Talk.* 9.0.—" Friend-ly Harmony": Vera Spaull. Bert Meredith. Madge Mullen. 9.45— Empire News. 10.0—Close.
- Empire News. 10.0—Close. Transmission 2 (GSE, GSF), 11.0 a.m. —Big Ben. Cinema Organ. 11.30— Burns' Night.* 12.0—Interlude.† 12.15 p.m.—Leon Wayne Sextet. 1.0—"On with the Show."* 1.30— Instrumental Recital.† 1.45— Empire News. 2.0—Close.
- Transmission 3 (2.15-3.45 GSE, GSB; 3.45-5.0 GSB, GSA; 5.0-5.45 GSA, GSD), 2.15 p.m.—Big Ben. Tower

Orchestra. 2.30-Talk : "Among the Trees of the Empire." Mr. St. Barbe Baker. 2.45-Programme of Music by Edward German. Empire Orchestra. Meta Murray (Soprano). 3.45-An Evening with the H.A.C. 4.25-Interlude.† 4.30-Empire News. 4.45-Vatiety. 5.15-Dance Music. 5.45-Close.

- Dance Music. 5.45—Close. Transmission 4 (6.0-9.30 GSD, GSB; 9.30-10.45 GSB, GSA), 6.0 p.m.— Big Ben. Empire News. 6.15— Leslie Stuart Memories.† 6.30— Wireless Military Band. Gladys Parr (Contralto). 7.0—Cinema Organ. 7.15—Variety. 7.30— Peterborough Orchestral Society. George Parker (Baritone). Kathleen Watkins (Pianoforte). 8.30 Variety.* 9.0—"Love Needs a Waltz." 10.0—Talk on India. The Rt. Hon. Winston S. Churchill, C.H., M.P. 10.20—Empire News. 10.35—Dance Music. 10.45— Close. Close.
- Close. Transmission 5 (GSC, GSA), 11.0. p.m.—Big Ben. London Symphony Orchestra. 11.15—A Recital of Indian Songs composed by Comolata Banerji, sung by John Collinson (Tenor). 11.30—Dance Music. 12.0—See 2.30 p.m.* 12.15 a.m.— Organ Recital. 12.45—Empire News. 1.0—Close.
- CARACAS, 4.0-6.30 p.m.—Records. 9.45 p.m.—Sports News. 10.0— Light Music. 10.30—Children's Hour. 10.45—Dance Music. 11.15 —News. 11.45—Variety. 12.0— Song Recital. 12.15 a.m.—Variety. 12.30—Waltz Hour. 12.45—Dick Daring—Detective serial. 1.0— Talk. 1.30—Venezuelan Music. 2.0—Martin del Llano, 2.30— Close. Close
- MADRID (EAQ), 10.15 p.m.—News. 10.30—Spanish Music, 10.45— News. 11.0—Talk. 11.15— Spanish Music. 11.45—Light Music. 12.0-12.30—⁵³In the Country."—Records.
- MOSCOW, (50 m.), 9.5 p.m.-French Talk. 10.5-Dutch Talk.
- Talk. 10.5—Dutch Talk. PARIS (Radio-Colonial), 12 noon— News; Exchange. 12.30 p.m.— Concert. 1.30—English News. 1.40—Shipping. 1.50—Talk. 2.0— Talk. 2.15—Talk. 2.30—Orchestra. 4.15—News; Exchange. 5.0— Shipping. 5.15—Concert. 6.45— Talk. 7.0—Talk. 8.0—News; Exchange. 8.30—To be announced. 10.30—Shipping. 10.45—Talk. 12.0—News; Exchange. 12.45 a.m.—Shipping. 10.45—Talk. 1.45—Talk. 2.0—Records. 4.0— News. 1.15—Talk. 1.30—Talk. 1.45—Talk. 5.0—Talk. 5.15— Records. 5.45—News. PITTSBURGH, 12 noon—Musical
- News ; Exchange. 4.30—Shipping. 4.45—Talk. 5.0—Talk, 5.15— Records. 5.45—News.
 PITTSBURGH, 12 noon—Musical Clock. 1.0 p.m.—Devotions. 1.15 —Organ. 1.45—Trio. 2.0—Break-fast Club. 2.30—Style and Shopping. 2.45—Ploughboys. 3.0—Three C's. 3.15—Edward MacHugh. 3.30—To-day's Children. 3.45— News ; Sextet. 4.0—Honey-mooners. 4.15—Hank Keene. 4.30—Shut-in-Hour. 5.25—Farm. Market and Produce Reports. 5.30. —Farm and Home Hour. 6.30— Home Forum. 7.0—Crosscuts. 7.30—Smackout. 7.45—Nellis Revell. 8.0—Sammy Fuller. 8.15— Congress. 8.30—Music Magic. 9.0—Betty and Bob. 9.15—East and Dumke. 9.30—Market Re-ports. 9.40—Temple of Song. 10.0—Your Health. 10.15— Kiddies' Klub. 10.30—News. 11.35 —Soloist. 11.45—Lowell Thomas. 12.0—Amos 'n' Andy. 12.15 a.m.—Morton Downey. 12.30— Musical Memories. 1.0—Crime Clues. 1.30—Lawrence Tibbett. 2.0—Grace Moore. 2.30—Silver Toppers. 2.45—Orchestra. 3.0— Seven Seas. 3.30—Talk. 3.45— Orchestra. 4.0—Squire Hawkins. 4.15—Orchestra. 4.45—Orchestra 5.15—Orchestra. 5.30—Orchestra. 5.15—Orchestra. 5.30—Orchestra.
- PORTUGUESE RADIO CLUB (CT1GO), 6.0-7.15 p.m.—Spanish Music.
- RUSSELEDE, 6.30 p.m.—Records (Brussels No. 2 Programme). 7.0— Records. 7.15—Brussels No. 2 Programme. 7.30—News in French. 7.45—News in Flemish. 8.0—Close.

- SCHENECTADY, 7.30 p.m.—Trio. 7.45—Songs. 8.0—" Vic and Sade" —Comedy/Sketch. 8.15—" Ma Per-kins "—Dramatic Sketch. 11.30— News. 11.35—Mary Small (Songs). 11.45—" Billy Batchelor in Wheat-enaville "—Dramatic Sketch. 12.0 —The Three Scamps Trio. 12.30 a.m.—Talk :- Taxation for Pros-perity. 12.45—Vaughn de Leath (Songs). 1.0—Leo Reisman's Orchestra. 1.30—Wayne King and his Orchestra. 2.0—Ben Bernie's Blue Ribbon Orchestra. 2.30— Ed Wynn Graham McNamce and Eddie Duchin's Orchestra. 3.0— Variety. 4.0—Résumé.
 SKAMLEBAEK (OXY). 6.0 p.m.—
- SKAMLEBAEK (OXY), 6.0 p.m.-Close : Kalundborg Programme.
- VATICAN CITY, 10.0-10.15 a.m.-Religious Information in English. 7.0-7.15 p.m.-Religious Informa-tion in Italian.
- Contin Infantan. ZEESEN (DJB, DJN), 8.45 a.m.— Announcements (German, Eng-lish), 9.0—Theatre, 9.30—News in English, 9.45—Talk, 10.30— Book Talk, 10.45—Newsin German, 11.0—Light Music, 12.0—Newsin English, 12.15 p.m.—Close,
- English. 12.15 p.m.—Close. ZEESEN (DJD, DJC), 5.0 p.m.— Announcements (German, English). 5.15—News in German, 5.30— Light Music, 5.45—Talk. 6.30— Light Music, 7.0—News in English. 7.15—" How they hopped and sprang. ...—readings. 8.0—Ger-man Dances. 9.0—News (German, English). 9.30—Close.
- English), 9,30—Close. ZEESEN (DJA), 10.15 p.m.—An-nouncements (German, Portuguese). 10.20—Schubert Songs. 10.45— News in German. 11.0—Excerpts from "Grigri "(Paul Lincke). 12.15 a.m.—News in Portuguese. 12.30— Dance Music. 1.15—Tyrolese Peasants' Tales. 1.30—Dance Music. 2.0—Close.
- ZEESEN (DJC), 10.30 p.m.—An-nouncements (German, English). 10.45—News in German. 11.0— Sec DIA. 12.15 a.m.—Tyrolese Peasants' Tales., 12.30—Dance Sec DJA. 12.15 a.m. Peasants' Tales. 12.30-Dance Music. 1.15-News in English. 1.30-Dance Music. 2.0-News in German. 2.15-Dance Music

WEDNESDAY, Jan. 30 EMPIRE

- EMPIRE Transmission 1 (8.0-9.0 GSD, GSB; 9.0-10.0 GSD, GSF), 8.0 a.m.— Big Ben. Chamber Music : Dorothy Hogben Trio. 8.45.—" More Musical Comedy Moments." Empire Or-chestra. Revue Chorus. Vcra Siddons (Soprano). 9.45.—Empire News. 10.0—Close.
- News. 10.0—Close. Transmission 2 (GSE, GSF), 11.0 a.m. —Big Ben. Scottish Studio Orches-tra. 11.45—Sports Talk.* 12.0— Cincena Organ. 12.30 p.m.—Charles Manning and his Orchestra. 12.50 —An Evening with the H.A.C.* 1.30—Organ Recital. 1.45—Empire News. 2.0—Close.
- 1.30—Organ Recital. 1:45—Empire News. 2.0—Close.
 Transmission 3 (2.15-3.45 GSE, GSB; 3.45-5.0 GSB, GSA; 5.0-5.45 GSA, GSD), 2.15 p.m.—Big Ben. B.B.C. Dance Orchestra.⁹ 2.55— Talk on India.^{*} The Rt. Hon. Winston S. Churchill, C.H., M.P. 4.15—Bournemouth Municipal Or-chestra. 4.15—John Collinson (Tenor), 4.30—Empire News. 4.45—John MacArthur Quintet. 5.15—Dance Music. 5.45—Close.
 fransmission 4 (6.0-9.30 GSD, GSB; 9.30-10.45 GSB, GSA), 6.0 p.m.— Big Ben. Empire News. 6.15— Records. 6.30—Cinema Organ. 7.0—"The Air-do-Wells." 8.0— Chipping Campden v. Broadway. A. Verbal Tugo-EWar. 8.30— "Soft Lights and Sweet Music." 8.50—Feature Programme. 9.0— Relay from Aberdeen. 9.45— B.B.C. Orchestra. 10.0—Empire News. 10.15—Gershom Parkington Quintet. 10.30—Dance Music. 10.45 —Close.
 Transmission 5 (GSC, GSA), 11.0 p.m.
- Transmission 5 (GSC, GSA), 11.0 p.m. —Big Ben. An Evening with the H.A.C.* 11.40—Interlude.† 11.45 —See 8.45 a.m.* 12.45 a.m.— Empire News. 1.0—Close.
- BOMBAY, 4.30-5.30 p.m.—European Programme : The Art Players, directed by Josef Barthel.
- directed by Josef Barthel. BOSTON (WIXAL), 12.30 a.m.,— Concert from the Malkin Con-servatory of Music, 12.40—News, 12.45—Law Talk by Erwin N. Griswold. 1.0—Concert. 1.15— Talk on Astronomy by Mr. Leon Campbell. 1.30—Concert. 1.45— Talk: "The Whys and Wherefores of Print Collecting." 2.0—Concert. 2.5—Talk.

CARACAS, 4.0-6.30 p.m.—Records, 9.45 p.m.—Sports News. 10.0— Light Music. 10.30—Children's Hour. 10.45—Dance Music. 11.15 —News. 11.45—Variety. 12.0— Julio de Soto (Tenor). 12.15 a.m.— Dance Music. 12.30—Zimmermann Brothers. 12.45—Trio. 1.0—Talk. 1.30—Dance Music. 1.45—Juan Avilán. 2.0—Dance Music. 2.30 —Close. -Close.

MADRID (EAQ), 10.15 p.m.—News. 10.30—Spanish Music. 10.45— News. 11.0—Talk. 11.15—Spanish Music. 11.45—Light Music. 12.0— Close

MOSCOW (50 m.), 11.0 a.m.—English Talk. 8.0 p.m.—Czech Talk. 9.5— English Talk. 10.5—German Talk.

raik, 8.0 p.m.—Czech Talk, 9.5— English Talk, 10.5—German Talk,
PARIS (Radio-Colonial), 12 noon— News; Exchange, 12.30 p.m.— Concert, 1.30—English News, 1.40 —Shipping, 1.50—Talk, 2.0— Talk, 2.15—Talk, 2.30—Concert, 4.15—News; Exchange, 5.0— Shipping, 5.15—"Quite pour la peur" (Alfred de Vigny), 6.15— Talk, 6.30—Talk, 6.45—Talk, 8.0—News; Exchange, 8.30—To be announced, 10.30—Shipping, 1.0, -English News, 1.15—Talk, 1.30 —Talk, 1.45—Talk, 2.0—News; Ex-change, 12.45 a.m.—Shipping, 1.0, -English News, 1.15—Talk, 1.30, —Talk, 1.45—Talk, 5.0—Records, 4.0—News; Exchange, 4.30— Shipping, 4.45—Talk, 5.0—Records, 5.45—News.

A.D.-PREWS, EXCHANGE, 4.30-Shipping, 4.45-Talk, 5.0-Records, 5.45-News.
PITTSBURGH, 12 noon-Musical Clock, 1.0 p.m.-Devotions, 1.15 --Organ, 1.45-Trio, 2.0-Break-fast Club, 2.30-Josephine Gibson, 3.15-Trio, 3.30-To-day's Children, 3.45-News, 4.0-Honey-mooners, 4.15-Tony Wons, 4.30 --Band, 5.0-Hank Keene, 5.15-Charles Sears (Tenor), 5.25-Farm Market and Produce Report, 5.30-Farm Market and Produce Report, 5.30-Farm Market and Produce Report, 6.30-Home Forum, 7.0-Variety, 8.0-Talk, 8.15-Joe White (Tenor), 8.30-Jerome Twichell and Orchestra, 8.45-Charne, 9.0-Betty and Bob, 9.15-Karen Fladoes, 9.30-Market Reports, 9.40-Orchestra, 10.0-Comedy Capers, 10.15-Kiddies' Klub, 10.30-Singing Lady, 10.45-Orphan Annie, 11.0-Dan and Sylvia, 11.15-Nancy Martin, 11.30-News, 11.45-Lowell Thomas, 12.0-Amos'n' Andy, 12.15 am, Plantation Echoes, 12.30-Red Davis, 12.45-Dangerous Paradise, 1.0-Penthouse Parity, 1.30-Lanny Ross, 2.0-Wardet Lawes, 2.30-John Charles Thomas, 3.0-Hollywood Gossip, 3.15-Madame Sylvia, 3.30-Variety, 4.0-Squire Hawkins, 4.15-Orchestra, 5.0-Orchestra, 5.0-Orchestra PORTUGUESE RADIO CLUB (CT1GO), 12.20-1.30 a.m.—Portu-guese Music.

ROME (49.30 m.), 11.0 p.m.—An-nouncements. Talk. Symphony nouncements. Talk. Sympnony Concert relayed from the Augusteo News, etc. Close.

News, etc. Close. **RUYSSELEDE**, 6.30 p.m.—Records. Lalo: Overture, Le Roi d'Ys; Prelude, Act II, and Margaret's Air (Le Roi d'Ys); Excerpts from "Namosna." 7.15—Brussels No. 1 Programme. 7.30—News in French. 7.45—News in Flemish. 8.0—Close.

- rrogramme. 7.30-news in French.
 7.45-News in French.
 8.0-Close.
 SCHENECTADY, 7.30 p.m.-Vaughn de Leath (Songs).
 7.45-Al and Lee Reiser (Pianoforte Duets).
 8.0-" Vic and Sade "-Comedy Sketch.
 8.15-" Own Ma Perkins "-Sketch.
 8.30-Barry McKinley (Baritone) and Orchestra.
 11.30-News.
 11.35-Alterna Sketch.
 "Billy Batcherlor in Wheatenaville".
 -Sketch with Raymond Knight.
 12.0-The Pickens Sisters-Vocal Trio.
 12.30 a.m.-Gould and Shefter (Pianoforte Duets).
 12.45-Uncle Ezra's Radio Station.
 1.0-Mary Pickford and Company.
 1.30-Wayne King and his Orchestra.
 2.0-Town Hall Tonight.
 3.0-" One Man's Family "-Sketch.
 4.0-Résumé.
 SKAMLEBAEK (OXY), 6.0 p.m.-
- SKAMLEBAEK (OXY), 6.0 p.m.-Close: Kalundborg Programme.

VATICAN CITY, 10.0-10.15 a.m.-Religious Information in Spanish. 7.0-7.15 p.m.-Religious Informa-tion in Italian.

ZEESEN (DJB, DJN), 8.45 a.m.— Announcements (German, English), 9.0—Schubert Songs, 9.30—News in English, 9.45—Orchestra, 10.45— News in German, 11.0—Light Music, 12.0—News in English, 12.15 p.m.—Close.

ZEESEN (DJD, DJC), 5.0 p.m.— Announcements (German, English).

5.15—News in German. 5.30— Music; Topical Events. 6.0— Orchestra. 7.0—News in English. 7.15—Radio Sequence. 8.0—Mili-tary Music. 9.0—News (German, English). 9.30—Close.

English). 9.30—Close. ZECSEN (DJA), 10.15 pm.—An-nouncements (German, Spanish). 10.20—Topical Talk. 10.45—News in German. 11.0—Orchestra. 12.0—Talk. 12.15 a.m.—News in Spanish. 12.30—Trout Quintet (Schubert). 1.15—Talk. 1.30— Radio Sequence. 2.0—Close.

ZEESEN (DJC), 10.30 p.m.—An-nouncements (German, English). 10.45—News in German, 11.0— Orchestra. 11.15—Talk. 12.15 a.m. —Poetry. 12.30—Trout Quintet (Schubert). 1.15—News in English. 1.30—Radio Sequence. 2.0—News in German. 2.15—Solutions to Musical Riddles. 3.30—Close.

THURSDAY, Jan. 31 EMPIRE

Transmission 1 (8.0-9.0 GSD, GSB; 9.0-10.0 GSD, GSF), 8.0 a.m.— Big Ben. Dance Music.† 8.20— Talk on India.* The Rt. Hon. Winston S. Churchill, C.H., M.P. 8.40—Dance Music.† 9.0—An Evening with the H.A.C.* 9.40— Interlude.† 9.45—Empire News. 10.0—Close.

Transmission 2 (GSE, GSF), 11.0 a.m. —Big Ben. B.B.C. Dance Or-chestra.* 11.45—Talk*: See Tues-day, 2.30 p.m. 12.0—Cecil Divon (Pianoforte). 12.20 p.m.—Belfast Wireless Orchestra. Fred Hughes (Tenor). 1.20—Organ Recital. 1.45—Empire News. 2.0—Close. 11.0 a.m.

1.43—Empire News. 2.0—Close. Transmission 3 (2.15-3.45 GSE, GSB; 3.45-5.0 GSB, GSA; 5.0-5.45 GSA, GSD), 2.15 p.m.—Big Ben. Empire Orchestra. 3.0—Evensong, 3.45— Jimmy Bailey. 4.0—"Pleasure on Parade." 4.45—Empire News. 5.0—Organ Recital. 5.15—Alfredo Campoli and his Orchestra. 5.45— Close.

Close. Transmission 4 (6.0-9.30 GSD, GSB; 9.30-10.45 GSB, GSA), 6.0 p.m.— Big Ben. Empire News. 6.15— Waltzes of Yesterday.† 6.30— B.B.C. Dance Orchestra. 7.15— Gaelic Songs. 7.30—Fred Hartley and his Novelty Quintet, with Brian Lawrence. 8.15—The London Philharmonic Orchestra. 9.30— "Oul" Belfast." 9.45—Variety.† 10.0—Mid-Week Service. 10.15— Empire News, 10.30—Dance Music. 10.45—Close.

Transmission 5 (GSC, GSA), 11.0 p.m. —Big Ben. Variety.* 11.30—Cinema Organ. 12.0—Talk on India.* 12.20 a.m.—Jenny Sonnenberg (So-prano). 12.45—Empire News. 1.0 —Close.

CARACAS, 4.0-6.30 p.m.—Records: 9.45 p.m.—Sports News. 10.0— Light Music. 10.30—Children's Hour. 10.45—Dance Music. 11.15 —News. 11.45—Variety. 12.0— Los Tziganos. 12.15 a.m.—Quar-tet. 12.30—Carlos and Helenita. 12.45—Maria Grazziani. 1.0— Songs and Monologues. 1.15— Variety. 1.30—Venezuelan Music. 2.0—Concert. 3.0—Close.

 2.0--Concert. 3.0--Close.
 HUIZEN (PH1), 1.0 p.m.-Announcements. 1.10-Orchestra : Overture, The Magic Flute (Mozart). Screnade (Haydn). Minuet (Boccherini). Canzonetta (d'Ambrosio). Lyric Suite (Brahms). 1.35-Talk. 1.55
 -Orchestra : Love Song (Becce). Czardas (Dauber). Impression (Cui). Piece (Poldini). Sclection, Grigri (Lincke). 2.15-Records.
 2.35-Orchestra : Selection, Adriana Lecouvreur (Cilea). Nocturne (Borodin). Capriccio (Dvořák).
 3.0--Close. (Borodin). 3.0-Close.

MADRID (EAQ), 10.15 p.m.—News. 10.30—Spanish Music. 10.55— News. 11.15—See Madrid (EAJ7). 12.0—Light Music. 12.30 a.m.— Close.

MOSCOW (50 m.), 8.0 p.m.—Germa Talk. 9.5—French Talk. 10.5-Spanish Talk.

Spanish Taik. PARIS (Radio-Colonial), 12 noon----News; Exchange. 12.30 p.m.---Concert. 1.30-English News. 1.40 --Shipping. 1.50--Talk. 2.0---Request programme. 2.30--Con-cert. 4.15---News; Exchange. 4.45---Talk. 5.0--Concert. 6.0---Request programme. 6.30--Ship-ping. 6.45--Talk. 8.0--News; Exchange. 8.30---To be announced. 10.30---Request Programme. 12.0 ---News; Exchange. 12.30 a.m.--

Request Programma. 1.0-English News. 1.15-Songs. 1.45-Ship-ping. 2.0-Talk. 2.15-Talk. ings. 1.45—Ship ik. 2.15—Talk 4.0—News; Ex-News, 2.0—Talk. News; Ex. 2.30—Records. 4.0—News; Ex. change, 4.30—Request Programme, 5.0—Shipping, 5.15—Records, 5.45

 PITTSBURGH, 12 noon—Musical Clock. 1.0 p.m.—Devotions, 1.15 —Organ, 1.45—Trio. 2.0—Break-finst Club. 2.30—Style and Shop-ing. 2.45—Sammy Fuller. 3.0— Ranch Boys. 3.15—Edward Mac-Hugh. 3.30—To-day's Children. 3.45—News; Sextet. 4.0—Hazel Arth (Contralto). 4.15—Tony Wons. 4.30—Band. 5.0—Hank Keene. 5.15—Merry Macs. 5.25 —Farm Market and Produce Re-port. 5.30—Farm and Home Hour. 6.30—Home Forum. 7.0 —Music Guild. 7.30—Smackout. 7.45—Echoes of Erin. 8.0—Topical Programme. 8.15—Eastman School of Music. 9.40—Betty and Bob. 9.15—East and Dumke. 9.30— Market Reports. 9.40—Orchestra. 10.0—Stanleigh Malote. 10.15 of Music. 9.0-Hetty and Bob. 9.15-East and Dumke. 9.30-Market Reports. 9.40-Orchestra. 10.0-Stanleigh Malotte. 10.15-Kiddics' Klub. 10.30-Singing Lady, 10.45-Orphan Annie. 11.0-Dan and Sylvia. 11.15-Comedy Stars. 11.30-News. 11.35 -Armand Girard. 11.45-Lowell Thomas. 12.0-Amos 'n' Andy. 12.45-To be announced. 1.0-Topical Programme. 1.30-Ro-mantic Melodies. 2.0-Death Valley Days. 2.30-The Romancers. 2.45-Orchestra. 3.0-Roads that Move. 3.30-Economics. 4.0-Sports. 4.15-Orchestra. 4.45-Orchestra. 5.15-George Olsen, Ethel Shutta. 5.30-Dancing in Twin Cities. 6.0-Good-night. ORTUGUESE RADIO CLUB

- PORTUGUESE RADIO CLUB (CT1GO), 6.0-7.15 p.m.—Light Music. 12.20-1.30 a.m.—Portu-guese and Spanish Music.
- ROME (30.67 m.), 12.45-2.15 a.m.— Relay from La Scala : "Nero " (Mascagni). News.
- RUYSSELEDE, 6.30 p.m.—Records 7.30—News in French. 7.45— News in Flemish. 8.0—Closc.

News in Flemish. 8.0-Close. SCHENECTADY, 7.30 p.m.-Vaughn de Leath (Songs). 7.45-Gould and Shefter (Pianoforte Duets). 8.0-"Vic and Sade "-Comedy Sketch. 8.15-" Ma Per-kins "-Dramatic Sketch. 8.30-Barry McKinley (Baritone) and Orchestra. 11.30-News. 11.35-Mary Small (Songs). 11.45-"Billy Batchelor "-Dramatic Sketch. 12.0-Richard Himber's Orchestra. 12.30 a.m.-Molle Merry Minstrels. 1.0-Variety. 2.0-Show Boat, 3.0-Musical Hall. 4.0-Résumé.

- SKAMLEBAEK (OXY), 6.0 p.m.-Close : Kalundborg Programme.
- VATICAN CITY, 10.0-10.15 p.m.-Religious Information in French. 7.0-7.15 p.m.-Religious Informa-tion in Italian.
- ZEESEN (DJB, DJN), 8.45 a.m.— Announcements (German, English). 9.0—Radio Scquence. 9.30—News in English. 9.40—Excerpts from "Grigri" (Paul Lincke). 10.50— News in German. 11.0—Light Music. 12.0—News in English. 12.15 p.m.—Close.
- ZEISEN (DJD, DJC), 5.0 p.m.— Announcements (German, English), 5.15—News in German, 5.30— Radio Sequence. 6.0—Trout Quin-tet (Schubert). 6.45—Talk. 7.0— News in English. 7.15—See 9.40a.m. 8.30—Schubert Songs. 9.0—News (German, English). 9.30—Close
- ZEESEN (DJA), 10.15 p.m.—An. nouncements (German, Portuguese)-10.20—National Songs. 10.45— News in German. 11.0—Light Music. 12.0—Programme for Women. 12.15 a.m.—News in Portuguese. 12.30—Popular Music, 1.15 Discussion. 1.30 "The Legend of Beautiful Young Lilofee" —Radio Play. 2.0—Close.

ZEESEN (DJC), 10.30 p.m.—An-nouncements (German, English). 10.45—News in German, I1.0— Light Music, 12.0—Programme for Women, 12.15 a.m.—Talk, 12.30 — Popular Music, 1.15—News in English, 1.30—See DJA, 2.0— News in German, 2.15—Variety, 3.30—Close.

FRIDAY, Feb. 1

EMPIRE Transmission 1 (8.0-9.0 GSD, GSB; 9.0-10.0 GSD, GSF), 8.0 a.m.— Big Ben. Margaret Good (Piano-

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forte). 8.30—Empire Orchestra. 9.15—Cinema Organ. 9.45—Em-pire News. 10.0—Close.

Transmission 2 (GSE, GSF), 11.0 a.m. —Big Ben. Western Studio Or-chestra. 11.45—Organ Recital. 12.15 p.m.—Talk on India.* 12.35 —B.B.C. Dance Orchestra. 1.15— Birmingham Philharmonic String Orchestra. Dorothy Hemming (Violin). 1.40—Empire News; Announcements. 2.0—Close.

Announcements. 2.0—Close. Transmission 3 (2.15-3.45 GSE, GSB; 3.45-5.0 GSB, GSA; 5.0-5.45 GSA, GSD), 2.15 p.m.—Big Ben. "They made these Famous."† 2.45-Topical Talk. 3.0—"Concert in Camera," by David Kean. 3.30-Scottish Studio Orchestra. 4.00 —Talk by Sir Walford Davies. 4.20 —Hotel Metropole Orchestra. 4.30 —Empire News; Announcements. 4.50—Orchestra (contd.). 5.15-Dance Music. 5.45—Close.

Dance Music. 5.45-Close. Transmission 4 (6.0-9.30 GSD, GSB; 9.30-10.45 GSB, GSA), 6.0 p.m.-Big Ben. Empire News; Announce-ments. 6.20-Records. 6.30-Midland Wireless Singers. Alec John (Tenor). 7.0-Cory Work-men's Silver Band. 7.30-"The London Theatre? 7.50-Harold Ramsay's Band. 8.30-Topical Talk.* 8.45-Dance Music. 9.30 -Empire News; Announcements. 9.50-From the Shows.† 10.0-Talk on India. The Rt. Hon. George Lansbury, M.P. 10.20-Dance Music.† 10.30-Dance Music. 10.45-Close. Transmission 5 (GSC, GSA) 11.0 p.m.

Transmission 5 (GSC, GSA), 11.0 p.m. —Big Ben, Cyril Scott and Esther Fisher (Pianofortes). 11.15—Talk on India.* 11.35—Dance Music. 12.0—Empire Orchestra; Gilbert and Sullivan Programme. 12.45 a.m. —Empire News; Announcements. 1.5—Close.

BOSTON (WIXAL), 12.30 a.m.— Concert from the Conservatory of Music, 12.40—News, 12.45—Talk by Dr. E. S. Gordon, 1.0—Concert (contd.), 1.15—Talk by Miss Bessie N. Page. 1.30—Concert (contd.), 1.45—Economic Talk by Dr. J. Raymond Walsh.

CARACAS, 4.0-6.30 p.m.—Records. 9.45 p.m.—Sports News. 10.0— Light Music. 10.30—Children's Hour. 10.45—Dance Music. 11.15 —News. 11.45—Variety. 12.0— Orchestra. 12.15.a.m.—Race Track Comments. 12.30—The Crazy Coons. 12.45—Comedy. 1.0— Mystery Serial. 1.30—Dance Music. 2.0—Dance Music. 2.30—Close.

HUIZEN (PHI), 1.0 p.m.—Announce-ments. 1.10—Orchestra. 1.30— Talk. 1.50—Orchestra. 2.10— Records. 2.30—Talk, 2.45— Orchestra. 3.5—Close.

MADRID (EAQ), 10.15 p.m.—News. 10.30—Spanish Music. 10.45— News. 11.0—Talk. 11.15—Or-chestra. 12.15-12.30 a.m.—Light Music.

MOSCOW (50 m.), 8.0 p.m.– Talk. 9.5—English Talk. German Talk.

Talk. 5.15-Records, 5.45-News, PITTSBURGH, 12 noon-Musical Clock. 1.0 p.m.-Devotions. 1.15 -Organ. 1.45-Trio. 2.0-Break-fast Club. 2.30-Style and Shopping. 2.45-Sammy Fuller. 2.55-Minute Manners. 3.0-Josephine Gibson. 3.15-Trio. 3.30-To-day's Chil-dren. 3.45-News. 4.0-Music Appreciation. 5.0-Hank Keene. 5.15-Charles Sears (Tenor). 5.30 -Farm and Home Hour. 6.30-Home Forum. 7.0-Orchestra. 7.30-Smackout. 7.45-Alden Ed-kins (Bass). 8.0-Band. 8.45-Charm. 9.0-Betty and Bob. 9.15 -Karen Fladoes. 9.30-Market Reports. 9.40-Arm Chair Driver. 9.45-D.A.R. Programme. 10.0-Comedy Capers. 10.15-Kiddies' Klub. 10.30-Singing Lady. 10,45-Orphan Annie, 11.0-Dan and

Sylvia. 11.15—Nancy Martin. 11.30 — News. 11.45 — Lowell Thomas. 12.0—Amos 'n' Andy. 12.15a.m.—Plantation Echoes. 12.30 —Red Davis. 12.45—Dangerous Paradise. 1.0—Jewels of Enchant-ment. 1.15—Dick Liebert. 1.30— Al Goodman, Jane Froman. 2.0— Beatrice Lillie. 2.30—Armour Programme. 3.0—Frontenae Frolic. 3.15—Hank Keene. 3.30—Or-chestra. 4.45—Orchestra. 5.15—Orchestra. 5.30—DX Club. 6.0—Good-night. ORTUGUESE RADIO CLUB

PORTUGUESE RADIO CLUB (CTIGO), 6.0-7.15 p.m.—Light Music, 12.20-1.30 a.m.—Portuguese Music.

Music, 12.20-1.30 a.m., Portuguese Music.
ROME (49.30 m.), 11.0 p.m., Announcements. Talk. Relay from the Royal Opera, Rome : "Othello" (Verdi). News, etc. Close.
RUYSSELEDE, 6.30 p.m., Rome. T. A. News in French. 7.45-News in French. 7.45-News in French. 7.45-News in French. 8.0-Close.
SCHENECTADY, 7.30 p.m., Kitchen Party. 8.0-" Vic and Sade". Comedy Sketch. 8.15--" Ma Perkins "-Sketch. 13.0-News, 11.35-Jack and Loretta Clemens (Songs).
11.45-" Billy Batchelor in Wheatenville" "Sketch. 12.45-" Uncle Ezra's Radio Station E-Z-R-A". Variety. 10-Cities Service Concert. 2.0-Waltz Time-Abe Lyman's Orchestra. Frank Munn (Tenor) and Vivienne Segal (Soprano). 2.30-Pick and Pat. 3.0-" The First Night"-Sketch. 3.30-Vocal and Instrumental Ensemble. 4.0-Re'sumé.

4.0 – Résumé. SKAMLEBAEK (OXY), 6.0 p.m.–

Close: Kalundborg Programme, VATICAN CITY, 10.0-10.15 a.m.— Religious Information in German. 7.0-7.15 p.m.—Religious Informa-tion in Italian.

ZEESEN (DJB, DJN), 8.45 a.m. EESEN (DJB, DJN), 8.45 a.m.— Announcements (German, English). 9.0—"The Legend of Beautiful Young Lilofee." 9.30—News in English. 9.45—Selections from "Orpheus" (Gluck). 10.45—News in German. 11.0—Light Music. 12.0—News in English. 12.15 p.m. —Close.

ZEESEN (DJA, DJN), 1.0 p.m.— Announcements (German, English). 1.15—" The Legend of Beautiful

9 3 5
Young Lilofee." 1.45-News in English (DJA), in Dutch (DJN), 2.0-Selections from "Orpheus." (Gluck). 3.0-Talk. 3.15-News in German, 3.30-Folk Music. 4.15-See 1.45. 4.30-Close.
ZEESEN (DJD, DJC), 5.0 p.m.-Announcements (German, English). 5.15-News in German. 5.30-Programme for Women. 6.0-Selections from "Orpheus." (Gluck). 7.0-News in English. 7.15-" The Legend of Beautiful Young Lilofee." 7.45-Folk Music. 8.30-Song Recital. 9.0-News (German, English). 9.0-Close.
ZEESEN (DJA), 10.15 p.m.-Announcements. (German, Spanish). 10.20-Music; Topical Events. 10.45-News in German. 11.0-Evening Concert. Gisela Meyer (Soprano). Frida Sigrid Hutschenreuther (Contratio). Rio Kube (Tenor). Wilhelm Strienz (Bass). Bernhard Lessmann (Violin). 12.15 a.m.-News in Spanish. 12.30-" The Island of Great Adrentures." 1.15-Songs. 1.30-Light Music. 2.0-Close.
ZEESEN (DJC), 10.30 p.m.-Announcements (German, English. 12.30-" The Island of Great Adrentures." 1.15-Songs. 1.30-Light Music. 2.0-News in German. 11.0-See DJA. 1.25 a.m.-Folk Songs. 12.30-See DIA. 1.15-News in German. 1.0-See DJA. 1.25 a.m.-Folk Songs. 1.30-Light Music. 2.0-News in German. 2.15-Light Music. 3.30-Close.

SATURDAY, Feb. 2 EMPIRE

ransmission 1 (8.0-9 0 GSD, GSB; 9.0-10.0 GSD, GSF), 8.0 a.m.— Big Ben. Hubert Carter (Tenor); Berkeley Mason (Organ). 8.45— Topical Talk.* 9.0—B,B.C. Dance Orchestra 9.45—Empire News. 10.0—Close

Tropical Talk.* 9.0-B.B.C. Dance Orchestra 9.45-Empire News. 10.0-Close.
Transmission 2 (GSE, GSF), 11.0 a.m. -Big Ben. Scottish Studio Or-chestra. 11.45-Cinema Organ. 12.15 p.m.-"Concert in Camera." by David Kean.* 12.45-Records. 1.0-Commodore Grand Orchestra. 1.45-Empire News. 2.0-Close.
Transmission 3 (21:53.45 GSE, GSB; 3.45-5.0 GSB, GSA; 5.0-5.45 GSA, GSD), 2.15 p.m.-Big Ben. Belfast Wireless Orchestra. 2.50 -Wales v. Scotland (Rugby). 4.30 -Empire News. 4.45-Sydney Baynes and his Band. 5.15-Dance Music. 5.45-Close.

 Iransmission 4 (6.0-9.30 GSD, GSB;

 9.30-10.40 GSB, CSA), 6.0 p.m.—

 Big Ben. Empire News. 6.20—

 Scottish Music. 4: 6.30—Sports

 Talk. 6.45—Cedric Sharpe Sertet.

 7.0—"In Town To-night."

 7.30—

 City of Birmingham Orchestra.

 Victor Hely-Hutchinson (Piano-forte).

 7.55—Act 1 "Tosca"

 (Puccini).
 8.45—Music-Hail.

 9.30—Wales v. Scotland.*
 10.0—

 Empire News.
 10.20—B.B.C.

 Dance Orchestra.
 1040—Close.

- Transmission 5 (GSC, GSA), 11.0 p.m. -Big Ben. Henry Hall's GuestNight.-12.0-Wales v. Scotland.* 12.45 a.m.-Empire News. 1.0-Close.
- a.m.—Empire News, 1.0—Clost. CARACAS, 4.0-6.30 p.m.—Records: 9.45 p.m.—Sports News, 10.0— Light Music, 10.30—Children's Hour, 10.45—Dance Music, 11.15 —News, 11.45—Variety, 12.0— Viennese Music, 12.15 a.m.— Variety, 12.30—Orchestra, 12.45— Detective Serial, 1.0—Talk, 1.30— Light Music, 2.0—Dance Music, 2.30—Race Track Comments, 3.0— —Close.
- HUIZEN (PHI), 1.0 p.m.—Announce ments. 1.10.—Orchestra. 1.30.— Talk. 1.50.—Orchestra. 2.10.— Records. 2.30.—Radio play. 2.50.— Records. 3.5.—Orchestra. 3.25.— Close.
- MADRID (EAQ), 6.0 p.m.—Spanish Music, 7.45—Light Music, 10.15 —News, 10.30—Spanish Music, 10.45—News, 11.0—Talk, 11.15— Orchestra and Songs, 11.45—Light Music, 12.0—Orchestra, 12.30 a.m. —Close,
- MOSCOW (50 m.), 8.0 p.m.—German Talk. 9.5—French Talk. 10.5— Swedish Talk.
- Swedish Talk. PARIS (Radio-Colonial), 12 noon---News; Exchange, 12,30 p.m.--Concert. 1.30-English News, 1.40-Shipping, 1.50-Talk, 2.0 Talk, 2.15-Talk, 2.30-Phano-forte, Violin and Song Recital. Mmes. Gisèle Couteau (Piano-forte), Stappen (Songs). M.M. Worms (Viohn), Benvenuti (Piano-forte), Pianoforte solos: Toccata (Bach-Busoni); Divertissement (Nin-Culmell); Oiseaux tristes, Jeux d'eau, Toccata (Ravel). Songs: The peacock and the cricket (Ravel); Air from Mefistofele (Boito); At the unill (Peyssies);

Nocturne (Nat); Chance (Dussaut); Pamina's aria from "The Magic Flute" (Mozart) Violin solos: Sonata (Sammartini-Salmon); The mansions of Eternity (A. Bloch); Piece in the form of a habanera (Ravel); Intermezzo (Lalo); Spanish Dances and Spanish folk-song suite (Falla-Marchal).
415—News; Exchange. 12.0—Songs you love to Concert. 6.30—Shipping. 6.45— Talk. 7.0—Talk. 8.0—News; Exchange. 8.30—To be announced.
10.30—Shipping. 10.45—Talk.
12.0—News; Exchange. 12.45 a.m. Shipping. 1.0—English News.
1.15—Talk. 1.30—Talk. 1.45.—Talk.
2.0—Records. 4.0—News; Exchange. 4.30—Shipping. 4.45— Talk. 5.0—Talk. 5.15—Records.
5.45—News. Talk. 5.0-5.45-News.

5.45-News. PITTSBURGH, 12 noon - Musical Clock. 1.0 p.m.-Devotions. 1.15-Organ. 1.45-Trio. 2.0-Breakfast Club. 2.30-Style and Shopping. 2.45-Plough Boys. 3.0-Morin Sisters. 3.15-Edward MacHugh. 3.30-Home Forum. 3.45-News. 4.0-Honeymooners. 4.15-Kiddies' Klub. 5.0-Hank Keene. 5.15-Genia Fonariova. 5.30-Farm and Home Hour. 6.30-Farm Forum. 6.45-Words and Music. 7.0-Opera. 10.0-Stan-leigh Malotte. 10.15-Jackie Heller. 10.30-Bill and Alex. 10.45-Ranch Boys. 11.0-Music. 1.0. Jackie leigh Malotte. 10.15-Jackie Heller. 10.30-Bill and Alex. 10.45-Ranch Boys. 11.0-Buddy Biller. 11.15-Orchestra. 11.30-News. 11.45-The Master Builder. 12.0-John Herrick (Baritone). 12.15 a.m.-Hank Keens. 12.30-Orchestra. 1.0-Art in America. 1.20-Grace Haves. 1.30-Orchestra. 2.0-Bariloney, Keens, 12.30-Orchestra, 2.0-Hayes, 1.30-Orchestra, 2.0-Variety, 2.30-National Barn Vance, 3.30-Behind the Law, 4.0-Sports, 4. Art in America. 1.20—Grace Hayes. 1.30—Orchestra. 2.0— Variety. 2.30—National Barn Dance. 3.30—Behind the Law. 3.45—Orchestra. 4.0—Sports. 4.15—Orchestra. 4.30—Orchestra. 5.0—Messages to the Far North. 5.30—Orchestra. 6.0—Goodnight.

- PORTUGUESE RADIO CLUB (CTIGO), 12.20-1.30 a.m.—Spanish and Portuguese Music.
- ROME (30.67 m.), 12.45-2.15 a.m.-Announcements. Relay from th Royal Opera, Rome : "Othelio Announcements. Relay fro Royat Opera, Rome : "Ott (Verdi). News, etc. Close. the
- RUYSSELEDE, 6.30 p.m.—Brussels No. 2 Programme. 6.45—Records. 7.30—News in French. 7.45— News in Flemish. 8.0—Close.

- Information in Italian. ZEESEN (DJB, DJN), 8.45 a.m.— Announcements (German, English). 9.0—Music; Topical Events. 9.30— News in English. 9.45—Folk Songs. 10.0—" The Island of Great Adven-tures." 10.45—News in German. 11.0—Light Music. 12.0—News in English. 12.15 p.m.—Close.
- English. 12.15 p.m.—Close. ZEESEN (DJA, DJN), 1.0 p.m.— Announcements (German, English). 1.15—Music ; Topical Events, 1.45 —News in German. 2.0—Concert (See Friday, DJA, 11.0 p.m.). 3.15—News in English (DJA), in Dutch (DJN). 3.30—"The Island of Great Adventures." 4.15—See 3.15. 4.30—Close.
- 3.15. 4.30—Close.
 ZEESEN (DJD, DJC), 5.0 p.m.— Announcements (German, English).
 5.15—News and Review (German).
 5.30—Music; Topical Events. 6.0— "The Island of Great Adventures."
 6.45—Folk Songs. 7.0—News and Review (English). 7.15—Variety.
 8.0—Dance Music. 9.0—News and Review (German, English). 9.30— Close.
- Close. ZEESEN (DJA), 10/15 p.m.—An-nouncements (Gernan, Spanish). 10.20—German Songs. 10.45— News in German, 11.0—Variety, 12.15 a.m.—News in Spanish. 12.30 —"The Magic of Alpine Meadow and Homeland Forest." 1.15— Talk. 1.30—Dance Music. 2.0— Close
- Close. ZEESEN (DJC), 10.30 p.m.—An-nouncements (German, English). 10.45—News and Review (German). 11.0—Variety. 12.15. a.m.—Talk. 12.30—See DJA. 1.15—News and Review (English). 1.30—Dance Music. 2.0—News and Review (German). 2.15—Dance Music. 3.30—Clo33.





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December, 1934

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December, 1934

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Broadcasting Stations

Laboratory of the

Harris Burgers Karphy

Internationale de Radiodiffusion

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Free Queries

Each query should be numbered and the questions on the coupon carefully answered. Letters must be addressed to the Editor, WORLD-RADIO, Broad-casting House, London, W.I.

The Alternative Postal Service

In addition to the free service of "Which Station Was That?" printed in these columns, replies to station identification queries can be obtained within forty-eight hours of receipt of details on payment of 6d. per query, in stamps or P.O., accompanied by stamped addressed envelope (marked in left-hand top corner "Postal Query Service"), and coupon as per conditions for "Free Queries."

Times of Reception

The identification of stations will be greatly facilitated if readers, in answering the first question in the Identification Coupon, will always add *a.m.* or p.m. to the hour of reception—e.g., 12.5 a.m. to indicate five minutes after the start of a new day.

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IDENTIFICATION COUPON (No. 311) IDENTIFICATION COUPON (No. 311) This coupon is valid for ONE QUESTION only, and should be cut out and attached to a separate sheet, upon which the following ques-tions should be answered in the order shown. A copy of the answered in the order shown. FREE queries. No coupon more than one month old is valid. A coupon is not required from readers living in countries outside Europe who readers living in countries outside Europe who desire identification of transmissions. Time and date of reception. I.

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- Name and address.
- Nom de plume. (Proprietary names must not o. be used)

JANUARY 25, 1935

Listeners' Verdicts

The Saar Plebiscite

In the blackness before the dawn of Tuesday, January 15, I listened to COLOGNE broadcasting the Saar Plebiscite results-the authentic version of a unique event. Massed choirs sang patriotic songs till 7.15, when the announcer ' called all Germany (already assembled to listen in office, factory and school), while Holland, Denmark, Sweden, Japan, Brazil, Venezuela, and the United States were listening too. District by district came the overwhelming figures in favour of Germany, and the choirs sang "Deutsch ist die Saar" with a new thrill of meaning. There was a fanfare of trumpets, and Herr Buerckel, Governor-elect of the Saar. formally reported the result to the Führer. Herr Hitler himself replied, his voice hoarse, strained and insistent, with words of peace and hope. The massed choirs were heard once more, and a hymn was followed by a second stirring rendering of "Deutsch ist die Saar." Church bells rang out, and then Dr. Goebbels, voicing emotions that his tones concealed, thanked God for His blessing on their efforts. Again the peals of victory. Again the choirs; the strains of "Deutschland über Alles"; another of the Third Reich's songs; and then—silence. Radio had done its part : the Saar was coming " home,' and all Germany must hold high holiday.

I. G. G. S.

Next Week's Station

The station to which we invite readers to listen during the week January 27 to February 2 is ROME. A description of the programme item broadcast by this station which the individual. listener considers to be the most interesting should reach us not later than the first post on Monday, morning, February 4. The best of the descriptions received (which should be limited to 250 words each) will be published, and f_{11} is. will be paid for each such contribution. All entries must be written on one side of the paper only.



[Photo : A. A. Guililand RADIO-VATICAN-The aerial masts of the short-wave station in Vatican City

JANUARY 25, 1935 WORLD-RADIO IN NEXT WEEK'S PROGRAMMES

SUNDAY

Reger and Beethoven

2.10-3.40 p.m. HILVERSUM (1,875 m.). The Concertgebouw Concert, relayed from Amsterdam.

Unfamiliar Strauss

6.20—8.30 p.m. LEIPZIG (382.2 m.), relayed by Dresden. Johann Strauss' operetta "Jabuka."

Mascagni's "Nero"

8.0 p.m. TURIN (263.2 m.), relayed by Milan, Genoa, Florence, Trieste, and by Rome and other European stations. The first broadcast of Mascagni's new opera.

" La belle Hélène "

8.0—10.30 p.m. RADIO-PARIS (1,648 m.). Offenbach's operetta-burlesque of the story of Helen of Troy.

MONDAY

The Budapest Philharmonic 7.10-9.10 p.m. BUDAPEST (549.5 m.). Conducted by Charles Münch.

A Tchaikovsky Evening

7.15 — 9.0 p.m. DEUTSCHLANDSENDER (1,571 m.). The first pianoforte Concerto and sixth (Pathétique) symphony.

TUESDAY

A Franz Schmidt Opera 6.35-9.25 p.m. VIENNA (506.8 m.), relayed

Two Distinguished Singers

IN the Frankfurt programme on Sunday evening, January 27, at 7.15, listeners are to have a chance of hearing a singer who has just returned home after a successful concert tour in this country. Ria Ginster, one of the foremost concert artists of Germany, is to be heard in Bach's solo cantata for soprano, "Rejoice in the Lord all ye lands." At 8.30 the same evening all German stations are to give as the eleventh concert in the series of "masterworks" two rhapsodies for alto voice and orchestra. The first, Sehnsucht an das Meer, by Paul Graener, has recently been revised and reorchestrated, and this is its first performance in its new form. One of the leaders of con-temporary music in Germany, Graener has. enriched his country's opera, orchestral, and chamber music in no half-hearted way, and much of his work is on a high level of distinction. For some years he was in London, as conductor of the Haymarket Theatre Orchestra, teaching, at the same time, at the Royal Academy of Music. The second is Max Reger's Hymnus der Liebe, a dramatic monologue designed originally for baritone voice, which lends itself well-to transposition for contralto. The solo artistin these two is Luise Willer, one whose strength of character has enabled her to surmount many, obstacles and to make her way from the ranks of the chorus to a foremost position in the operatic world. For many years one of the leading artists in the State Opera at Munich, she was summoned six months ago to the Charlottenberg Opera House in Berlin.

Handel's Julius Cæsar

THE texts of Handel's operas are often no more than convenient pegs on which he might hang the kind of music which his age expected from him. Julius Cæsar, however, which forms the

LONG AND MEDIUM WAVES

by Gråz, Innsbruck, Linz, Salzburg, etc. A repeat performance of "Fredigundis."

Handel's "Julius Cæsar"

8.30 p.m. French PTT Stations except Radio Paris. Relayed from Strasbourg Municipal Theatre.

Bruckner's Fifth Symphony 8.45 p.m. HUIZEN (301.5), along with Saint-Saëns little 'Cello Concerto (Garbousova).

WEDNESDAY

Talich at Stockholm

7.0-9.0 p.m. STOCKHOLM (426.1 m.), relayed by Motala (1,389 m.), Göteborg, Hörby. Ravel and Tchaikovsky make up the programme.

Ansermet, Gieseking

7.35–9.25 p.m. SOTTENS (443.1 m.), relayed by Geneva. Mozart and Beethoven ("Emperor") pianoforte Concerto.

"The Queen of Cornwall" 8:0-9.30 p.m. NATIONAL (1,500 m.). Rutland Boughton's opera. Repeated in the Regional programme on Friday at 8.30 p.m.

THURSDAY

A Prague première

7.5-7.50 p.m. PRAGUE (470.2 m.). The first performance of Hába's "The Curse of Life"

A Wagner Programme 7.10-9.15 p.m. COPENHAGEN (255.1 m.),

French Federal Programme on Tuesday evening, with John Brownlee in the principal part and E. G. Münch conducting, did give him more scope than some others for dramatic music, and several of its scenes are true opera in the sense that the action and the music go hand in hand, each helping the other. The libretto is by Nicolo Haym, a composer who had some success himself on the London stage until Handel drove all rivals from it. He has laid the scene in Egypt, immediately after Cæsar's conquest of Pompey, and the action begins with Cæsar promising Cornelia that her husband and son will be pardoned. He is interrupted by the arrival of Ashiller who have by the arrival of Achillas, who brings with him. Pompey's head, a gift from Ptolemy, who had captured Pompey on his retreat. Handel takes full advantage of that scene to give us eloquent music. Another impressive scene is one be-tween Cæsar and Cleopatra, with Sixtus, Pompey's son, close at hand, bent on revenging his father's death. Again, in a scene on the seashore, where Cæsar saves the dying Achillas from Sixtus' vengeance, the music has a big share in enhancing the dramatic force of the situation. Stilted and artificial though the music as a whole must sound to modern opera-goers, it was, none the less, a big advance on the still more artificial conventions which had prevailed till then, and at many points, besides those outlined above, it betrays the hand of a great master who knew something of stage-craft.

A British-Belgian Alliance

On Wednesday evening at 6.15 p.m., at Brussels No. 1 station, the English pianist Laffitte joins the Belgian 'cellist Soiron in a programme of Bach's and Brahms' music for their instruments. One of the stalwarts of the B.B.C. programmes from their early days, Laffitte has played in most European cities, and with most of the great orchestras, taking a big part in furthering relayed by Kalundborg (1,261 m.). Conducted by Fritz Busch.

"Nero" repeated

8.0 p.m. TURIN (263.2 m.), Rome (420.8 m.), with their usual relays, and several other European stations. Mascagni's new opera.

FRIDAY

The Warsaw Philharmonic

7.15-9.30 p.m. WARSAW (1,339 m.), relayed by Lwów, Poznań, Wilno, etc. Symphony Concert.

Bach as he Lived

8.0-9.0 p.m. BERLIN (356.7 m.). A radio picture of the Bach Home Circle.

SATURDAY

Bartók at Rotterdam

3.10-5.10 p.m. HILVERSUM (1,875 m.). The Philharmonic with Bartók playing his own music.

Adam's "Postilion"

6.30-9.30 p.m. DEUTSCHLANDSENDER (1,571 m.). One of the best of French comic operas.

Johann Strauss' Melodies

7.10—9.0 p.m. FRANKFURT (251 m.), relayed by Cassel, Trier, etc. In a new operetta form as "Frühlingsluft."

"Victoria and her Hussar"

8.0-10.30 p.m. RADIO-PARIS (1,648 m.).

the interests of his own countrymen's music abroad. An artist who is very much in earnest, he is not content to rest on the laurels he has won, but seizes every chance of studying the works of living composers with them. Rodolphe Soiron, a distinguished former student of the Conservatoire in Ghent, has also played in most parts of Europe, as well as in the United States, and since 1922 has been professor of the 'cello at the Royal Conservatoire of Liége. He and Laffitte have made music together on many occasions, and for this concert have been rehearsing together for the past fortnight.

Hilversum's Musical Forces

The musical entertainment side of the V.A.R.A: (Society of Workers Radio Amateurs), which broadcasts from Hilversum, has recently undergone considerable modification and extension. Beginning, as it did, with a single variety orchestra and a not too large symphony orchestra, it has now no fewer than nine different musical ensembles, besides outside bodies and choruses which are frequently engaged. These include a large symphony orchestra under the direction of Hugo de Groot, a small orchestra under Eddy Walis, a string orchestra and a wind band. On the lighter side are the "Flierefluiters," a com-bination in the style of Marek Weber, "Dubbel X" devoted entirely to Jazz, the "Noten-krakers" (Nut Crackers) and the "Zonne-kloppers" (early risers), both of which consist of strings, pianoforte and accordion, and "Orvitropia " made up of solo violin, strings, organ and percussion effects. There was formerly a V.A.R.A. Mandoline Orchestra, but it has fallen out, with the changing taste of the Dutch public, though the popularity of the instrument still persists to some extent and one can hear numbers of it in one or other combination (chiefly amateurs) from time to time.

WORLD-RADIO

JANUARY 25, 1935

PROGRAMME STATIONS IN ALPHABETICAL ORDER

The Frequencies and Wavelengths shown are those on which the stations are at present working

The Frequencies and Waveleng	iths sh	nown	are the	ose on which the stations are at present	work	ang	947 A. T. J.
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Algiers (North Africa)	94I	318.8	IŻ	Leipzig (Germany) Relayed by Dresden	785	382.2	120
Athlone (Ireland) Relayed by Dublin and Cork		531	60	Linz (Austria). Relays Vienna		231.8	0:5
Augsburg (Germany)Relays Munich	1267	236.8	0.25	London Regional (Gt. Britain)		342.1	.50
Barcelona (Spain) EAJ1	795	377.4	5	London National (Gt. Britain)	1149	261.1	. 50
Bari (Italy). Relays Rome		283.3	- 20	Lwów (Poland)Relays Warsaw		377.4	16
Basle (Switzerland)Relayed by Beromünster		218.2	0.5	Lyons (La Doua) (France)	648	.463	15
Belfast (N. Ireland)		267.4	I	Madrid (Spain) EAJ7	1095	274	. 7
Belgrade (Yugoslavia)		437.3	2.5	Magdeburg (Germany)Relays Hamburg		225.6	1.5
Berlin (Germany)	841	356.7	100	Midland Regional (Gt. Britain)	767	391.1	25
Berne (Switzerland) Relayed by Beromünster	1375	218.2	0.5	Milan (No. 1) (Italy)Relays Turin		368.6	50
Beromünster (Switzerland) Relays Basle and				Milan (No. 2) (Italy) Relays Rome		221.4	4
Berne	556	539.6	IOO	Monte Ceneri (Switzerland)	1167	257.I	15
Bordeaux Lafayette (France)	1077	278.6	12	Moravská-Ostraya (Czechoslovakia)	1113	269.5	II.2
Bournemouth	I474	203.5	I	Moscow (No. 1) (Russia)		1724	500
Bratislava (Czechoslovakia)	1004	298.8	13.5	Motala (Sweden) Relays Stockholm		1389	30
Bremen (Germany) Relays Hamburg		225.6	1.5	Munich (Germany) Relayed by Augsburg,			
Breslau (Germany). Relayed by Gleiwitz		315.8	100	Kaiserslautern, and Nürnberg	740	405.4	100.
Brno (Czechoslovakia) Brussels (No. 1) (Belgium)	922 620	325.4	32	Naples (Italy)Relays Rome	1104	271.7	I:5
Brussels (No. 2) (Belgium)	932	483.9 3 2 1 .9	15 15	North National (Gt. Britain)		296.2	50
Bucharest (Romania)	823	364.5	12	North Regional (Gt. Britain)		449.I	50
Budapest (No. 1) (Hungary)	546	549.5	120	Notodden (Norway) Relays Oslo		22I.I	0.15
	- · ·			Nürnberg (Germany)Relays Munich	1267	236.8	2
Cassel (Germany). Relays Frankfurt	1 0	251	1.5				
Cologne (Germany)	658	455.9	100	Oslo (Norway) Relayed by Fredrikstad, Hamar,			01
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		241.9	5	Trøndelag	200	1154	00
Danzig (Free City) Relays Königsberg		230.2	0.5	Paris (Poste Parisien) (France)	959	312.8	. 100
Deutschlandsender (Germany)		1571	60	Paris (PTT) (France)	695	431.7	7
Dornbirn (Austria). Relays Vienna.	1294	231.8	0.5	Paris (Radio-Paris) (France)	-	1648	80
Dresden (Germany) Relays Leipzig	1205	233.5	1.5	Porsgrund (Norway). Relays Oslo	850	352.9	0.7
Droitwich (Gt. Britain) Dublin (Ireland)Relays Athlone	1248	222.6	150 0.2	Poznań (Poland). Relays Warsaw	868	345.6	16
			0.2	Prague (Czechoslovakia)	638	470.2	120
Flensburg (Germany) Relays Hamburg		225.6	1.5	Radio-Normandie (Fécamp) (France)	1456	206	10
Florence (Italy)Relays Turin		491.8	20	Reykjavik (Iceland)	208	1442	16
Frankfurt-am-Main (Germany) Relayed by		0.57	1.1	Riga (Latvia)	583	514.6	Ï5
Trier, Kaiserslautern, Cassel and Freiburg Fredrikstad (Norway)Relays Oslo	776	251 386.6	17	Rjukan (Norway)Relays Oslo		222.6	0.15
Freiburg (Germany) Relays Oslo		300.0	0.7	Rome (Italy) Relayed by Naples, Milan	-		
Stuttgart		251	5	(No. 2), Turin (No. 2), and Bari	713	420.8	50
		-)-					
Geneva (Switzerland) Relayed by Sottens		748	I.3	Salzburg (Austria) Relays Vienna		222.0	0.5
Genoa (Italy) Relays Turin	986	304.3	IO	Scottish National (Gt. Britain)	1050	285.7	50
Gleiwitz (Germany). Relays Breslau		243.7	5	Scottish Regional (Gt. Britain)	804	373.1	25
Göteborg (Sweden). Relays Stockholm		318.8	IO	Stavanger (Norway). Relays Oslo	077	443.I	0.5
Graz (Austria)Relays Vienna		338.6	7	Stettin (Germany). Relays Hamburg	1276 1330	235.I 225.6	I.5
Hamar (Norway)Relays Oslo	510.8	587.3	0.7	Stockholm (Sweden) Relayed by Motala, Göte-	552		
Hamburg (Germany) Relayed by Bremen,				borg, and Hörby	704	426.I.	. 55
Flensburg, Hanover, Magdeburg, and Stettin		331.9	100	Strasbourg (France)	859	349.2	15
Hanover (Germany)Relays Hamburg Heilsberg (Königsberg) (Germany)Relayed by	1330	225:6	1.5	Stuttgart (Germany)Relayed by Freiburg	574	522.6	100
Danzig	1031	291	60	Toulouse (Radio-Toulouse) (France)	012	328.6	60
Helsinki (Finland) Relays Lahti	895	335.2	10	Toulouse (Radio-Toulouse) (France) Trier (Germany)Relays Frankfurt	913	328.0 251	2
Hilversum (Holland) Huizen Pgrm. and Annents.		301.5	20	Trieste (Italy). Relays Turin	1195 1222	245.5	IO
Hörby (Sweden)Relays Stockholm	1131	265.3	IO	Trøndelag (Norway). Relays Oslo	629	476.9	. 20
Huizen (Holland) Hilversum Pgrm. and Annents.		1875	7	Turin (No. 1) (Italy) Relayed by Milan, Genoa,			
Innsbruck (Austria) Relays Vienna	-519	578	0.5	Florence, and Trieste	1140	263.2	7
		570	0.5	Turin (No. 2) (Italy)Relays Rome	1363	220	Q.2
Juan-les-Pins (Radio Côte d'Azur) (France)	1249	240.2	2	Vienna (Bisamberg) (Austria) Relayed by Graz,			
Kaiserslautern (Germany). Relays Munich and				Innsbruck, Klagenfurt, Linz, Salzburg,			
Frankfurt		251	I.5	and Dornbirn	592	506.8	120
Kalundborg (Denmark) Relays Copenhagen	-	1261	60				
Katowice (Poland)Relays Warsaw	758	395.8	12	Warsaw (No. 1) (Poland) Relayed by Katowice,			re-
Kaunas (Lithuania) Klagenfurt (Austria)Relays Vienna	155	1935	7.	Lwów, Poznań, and Wilno	224	1339	120
Königsberg (Heilsberg) (Germany). Relayed by	1294	231.8	4.2	West National (Gt. Britain) West Regional (Gt. Britain)	1149	201.1	50
Danzig	1031	291	60	Wilno (Poland) Relays Warsaw	977	307.1	50 16
				miles and Wavelength see bare 62	230	559.7	10

For List of Stations in order of Frequencies and Wavelengths see, page 62

NATIONAL

Time Signals : Big Ben.—12.30 p.m. Greenwich.—10.30 a.m., 9.0 p.m.

- Greenwich.--10.30 a.m., 9.0 p.m. 10.30-10.45 a.m. (Droitwich)---Weather. 12.30 p.m. (Droitwich)--Lloyd Powell (Pianoforte). 1.0 (Droitwich)--Lelsie Bridgewater Quintet. Mary Hamlin (Soprano). 2.0 (Droitwich)--The Luton Band.

- Quintet. Mary Hamlin (Soprano).
 2.0 (Droitwich)—The Luton Band.
 2.45 (Droitwich)—Records: Music by Sullivan.
 3.15 (Droitwich)—B.B.C. Northern Orchestra. Ivan Mellodew (Bass).
 4.30—Service for Young People.
 5.0—"The New Christendom.", "Sharing the Gospel—2, By Education." Rev. H. D. Hooper.
 5.15—"Question Time on Tower Hill"—7. Rev. D. O. Soper, Ph.D.
 5.30—Chamber Music: The Kutcher String Quartet. Dorothea Helmrich (Mezzo-Soprano).
 6.45—"From the Four Corners": 1. Tales and Songs of Paraguay—J. W. Lindsay; 2. Round about Cape Horn—Jean Hamilton; Hurricane in Salvador—G. V. Richdale.
 7.15—Service from Holy Trinity Church, Prince Consort Road, London.
- Church, London.
- London. 8.45—An appeal on behalf of the Variety Artistes Ladies' Guild by Elsie Carlisle. 8.50—"The News."
- Elsie Carlisle.
 8.50-"The News."
 9.0-The Hastings Municipal Orchestra. Thorpe Bates (Baritone). Orchestra: Overture, The Thieving Magpie (Rossini); Andante Cantabile for Strings (Tchaikovsky); Pizzicato (Fetras); Waltz, Tales of the Vienna Woods (Strauss); Andante (Violin Concerto in Eminor) (Mendelssohn). Thorpe Bates: Prologue, Pagliacci (Leoncavallo). Orchestra: The Bees' Wedding (Mendelssohn); The Flight of the Bumble Bee (Rimsky-Korsakov); Rhapsody No. 4, in D minor and major (Liszt).
 10.15-The Victor Olof Sextet. Fantasy on British Folk-Songs (ar. Anthony Collins). A Resolve (Obstination) (Fontenailles). The Exquisite Hour (Poldowski). Russian Dance (Scott). O Star of Eve (Tannhäuser) (Wagner).

WORLD-RADIO

[35

REGIONAL To facilitate the finding of wavelengths it is suggested that the top right-hand corner of the programme pages be cut off so as to enable readers to turn immediately to the Alphabetical List of Stations in front or to the list of stations in order of wavelengths at the back. Time Signals : Big Ben.-12.30 p.m. Greenwich.-4.30 p.m., 9.0 p.m. Inter Signais : Dig Den., -12.30 p.m.
Greenwich., -4.30 p.m., 9.0 p.m.
11.0 a.m. (Western)-Service in Welsh.
12.30-4.30 p.m. (except Midland)-Droitwich Programme.
4.30-The B.B.C. Theatre Orchestra and The Gresham Singers. Overture, Le Cabaret '(Foulds). The Yeomen of England (Edward German). Valse Sentimentale (Shad-wick). The clock is playing (Blaauw). Spanish Dance (Falla). Hymn to the Sun (Rimsky-Korsakov). The Oak and the Ash. Two Mutton Choplets (Seiber). Russian Potpourri, Around the Volga (Borchert). Indian Dawn (Zamecnik). The Question (Wol-stenholme). Sweet Kitty Clover (arr. Hewitt). Overture, Beautiful Galatea (Suppé).
5.30 (except Scottish)-The Wircless Millerender (Strender). Programmes: SUNDAY Jan. 27 PRINCIPAL EVENTS SERVICES AND SACRED MUSIC P.M. Stuttgart : "Undine" (Lortzing). Tuřin, Rome, Warsaw, Hilversum (9.40, Act 3) : "Nero" (Mascagni). A.M. 6.45 9.0 Kalundborg : Church service 8.0 10.0 Italian Stations : Mass from Florence. 12.0 Radio-Paris : Religious Address. **OPERETTAS** Leipzig : "Jabuka" (Joh. Strauss). Hamburg : "Clivia" (Dostal). Radio-Paris : "La belle Hélène." 6.20 SYMPHONY CONCERTS Galatea (Suppé). 5.30 (except Scottish)—The Wircless Military Band, Vera Moore (Piano-forte). 5.30 (Scottish)—Psalm Tunes of Scotland, Dr. Malcolm Patrick. The Wircless Singers. 6.0 (Scottish)—Studio Orchestra. 6.15 (ex. Northern and Scottish)— "In a Persian Garden" by Liza Lehmann. The Acolian Quartet. 6.15 (Northern)—Henry Holst (Vio-lin). 6.45 A.M. 10.45 Vienna : Mozart, from Salzburg. 8.0 CHAMBER MUSIC 5.0 Brussels No. 1: Trios (Beethoven, Ravel, etc.). P.M. Hilversum : Concertgebouw concert. Radio-Paris : Conservatoire concert. 2 10 3.0 Rome : Augusteo Concert. Turin : Gui, Edwin Fischer (pianoforte). Hilversum : Mozart. German Stations : Graener, Reger. Regional : Ninth Symphony, Mahler Sottens : Spanish music. 4.0 7.15 4.0 Stockholm : The Budapest Quartet (Schubert, Haydn). 9.0 7.55 RECITALS lin).
6.45 (except Midland and Western)—
B.B.C. Orchestra (Section C).
6.45 (Midland)—Musical Trip Round Europe: The Birmingham Hippo-9.30 A.M. 11.30 Radio-Paris : Organ. (Fried). LIGHT CONCERTS P.M. Europe : The Birmingham Hip drome Orchestra. 6.45 (Western)—Studio Orchestra. 7.30 (Western)—Carolare, Vienna : Emil Schipper, songs, arias. National : Evelyn Scotney, Maurice 7.0 A.M. 11.15 Warsaw : Wagner excerpts. 7.15 Eisenberg. P.M. Beromünster : Basle Cathedral organ. 7.55 (Northern)-Presbyterian Service. Kalundborg : Preil's Orchestra. Königsberg : Telemann programme. 8 10 2.25 55 (Scottish)—Annual Memorial
 Service of the Glasgow and District
 Burns Association.
 55 (Western)—Roman Catholic Ser-55 Stockholm : Song, violin, pianoforte Königsberg : Telemann program Budapest : Operetta programme. Kalundborg : Danish music. 8.15 5.30 (Swedish music). 7.0 7.50 DANCE MUSIC E MUSIC Warsaw; 9.30, Brno, Prague; 9.40, Hamburg, etc.; 10.0, Kalundborg; 10.10, Brussels No. 2; 10.20, Vienna; 10.30 (app.), Paris (PTT), Radio-Paris; 10.40, Brussels No. 1, Strasbourg; 11.0, Hilversun. Brussels No. 1 : Rasse, Debussy, Ravel. Brno, Prague : Czech choral music. Huizen : The Maëstricht Orchestra, vice. 8.0 (Regional, N. Ireland)—Congre-gationalist Service. 8.0 (Midland)—Free Church Service: 8.45—National Programme. 8.50—"The News." 8.0 4.0 8.5 Huizen : The Macanan Frank Titterton (tenor). No. 2 : Tchaikovsky. 8.55 8.50—"The News."
9.0—"Melodics of Christendom"—12. Anthology of Sacred Music under the direction of Sir Walford Davies. The Wireless Singers.
9.30—Sunday Orchestral Concert. B.B.C. Orchestra (Section B). con-ducted by Oskar Fried. Symphony No. 9 in D (Mahler),
10.45—Epilogue. 9.0 9.0 Brussels No. 2 : Tchaikovsky.
9.10 Kalundborg : Other Lands' Folk-music.
10.10 Brussels No. 1 : Belgian music. MISCELLANEOUS Stuttgart, etc. : Germany v. Switzerland Frankfurt, Stuttgart : Mozart. 11.0 2.0 (football). OPERAS 1.30 Paris (PTT): "Don Quixote" (Massenet), Beromünster, (Sottens 6.0), Vienna : Davos Ice-Hockey Championships. 6.30 (Opéra-Comique).

Hours of Transmission in Greenwich Mean Time

5 a.m. - 8 a.m.

- The Programme for Bucharest did not arrive in time for inclusion in this Week's Issue. BERLIN, .5.15—Gym. 5.35-7.15— See Hamburg. 7.25—Hymn, 7.30— Readings. 7.55—Chimes, 8.0—Ser-vice from Potsdam Garrison Church.
- BRATISLAVA, 7.30—Lily Kratoch-vilova (Violin). 8.0—Protestant Service.
- BRESLAU, 5.0—Records. 5.35-7.15— See Hamburg. 7.15—Greetings 7.25—Love Songs (Hankowiak), by Sybille Lieb. 8.0—Chimes. 8.5— Protestant Service.
- BRNO, 7.30-A Scene (Prikryl-Vos-
- BRNO, 7.30—A Scene (Prikryl-Vostreis).
 BUDAPEST, 8.15—News.
 COLOGNE, 5.35-7.0—Sce Hantburg.
 7.0—Time; News. 7.10—Talk:
 Market Regulations. 7.30—Choir and Organ. In the Intervals: Readings. The Aachen Cathedral Choir.
 Condoctor: Rehmann. 8.15—Surprise Programme.
- DEUTSCHLANDSENDER, 5.30-Motto. 5.35-7.0-See Hamburg. 7.0-For Farmers. 7.55-Talk on
- 7.0—For Farmers. 7.55—Talk on Faith.
 FRANKFURT, 5.35-7.15—See Hamburg. 7.15—Time; News. 7.25—Gym. 7.45—Wind Band Music.
 8.0—Protestant Service from Cassel. 8.45—" Visions "—Cycle of Leopold Weber's Poems, with Music by Kaempfert.
 HAMBURG, 5.35-7.15 Harbour Concert, 7.15—Time; News. 7.30
 —Gym. 7.45—Wireless Notes.
 8.0—Art Notes. 8.15—Records.
 HUT VERSUM, 8.40—Football Notes.
- HILVERSUM, 8.40—Football Notes. 8.45—Gardening Talk. HUIZEN, 8.10—Religious Pro-
- gramme. KALUNDBORG, 7.0-Gym. 730-Weather, 8.15-8.45-Talk: Reli-gious Study Circles: KONIGSBERG, 5.35-7.15-See Ham-burg. 7.20-Talk: The German Sheep Dog. 8.0-Protestant Ser-vice
- vice. LEIPZIG, 5.35-7.15—See Hantburg, 7.20—Service, 7.50—Stark (Organ), 8.20—Arion Male Voice Choir from Plauen, Conductor: Hortel, 8.55 —Programme Announcements.

MORAVSKÁ - OSTRAVA, 7.50-Petite Suite for Pianoforte, (Bartos), by the Composer. MOSCOW (No. 1), 5.0 - Records. 5.10-Programme Review. 5.30-Concert. 6.0-Concert. 7.15-Pro-gramme for Children. MUNICH, 5.35-7.15-See Hamburg. 7.30-Pianoforte Sonata in A minor (Schuberl), by Bruno Maischholer. 8.10-Wireless Notes. 8.30-Pro-testant Service. OSLO, 7.40-Gym. 8.0-News. 8.5-German. 8.35-English. PARIS (PTT), 8.0-News. 8.30-Fleury (Organ), from the Salle Cavaillé-Coll. PARIS (Radio-Paris), 7.0-Records.

- PARIS (Radio-Paris), 7.0—Records. 7.15—News. 7.45—Gym. 8.0— 7.15—No Records.
- Records. PRAGUE, 5.45—Gym.; Music; News. 6.30—Karlsbad Municipal Orchestra. 7.30—For Workers. 7.50—Records. 8.10—Meditations. 8.25—Mass in D minor (Rrückner). Station Orchestra, Choir and Solo-ists. Conductor: Nemee. NORMANDER 7.0—Re-
- Ists. Conductor: Nenec. RADIO NORMANDIE, 7.0-Re-cords. In the Interval at 7.20 : News, 7.48 : Racing Notes. 7.53 -Cookery Hints. 8.0-Records. 8.15 --Military Band. 8.45-Light Muni-
- Music. ROME, 8.40—Announcements.
- ROME, 8.40—Announcements. STOCKHOLM, 8.0—For Farmers. 8.30—Cello Concerto in E minor (Elgar) on Records. STUTTGART, 5.35-7.15—See Ham-burg. 7.15—Time; News. 7.25— Gym. 7.40—Announcements. 8.0— Roman Catholic Service from St. Nicholas Church. 8.45—Suite for 'Cello and Pianoforte (Hasse).
- VEID and Planoiore (rlasse). **TURIN**, 8.40—News. **VIENNA**, 7.15—News; Gym.; An-nouncements; Records. 8.0—Re-cords. 8.45—Service from the Fran-ciscan Church.
- ciscan Church. WARSAW, 8.0—Time ; Hymn. 8.3— Record. 8.7—Gym. 8.22—Records. 8.30—News. 8.40—Records. 8.50— For Housewives. 8.55—Program me Announcements.

9 a.m.

BERLIN, 9.0—Cathedral Chimes. 9.5—Weather. BEROMÜNSTER, 9.0 — Protestant Service. 9.45—Organ Records.

- BRATISLAVA, 9.0-9.15 Service (contd. from 8.0). BRESLAU, 9.0—Breslau Woman Teachers' Choir. Conductor: Fitz. BUDAPEST, 9.0—Mass and Sermon COLOCEE 9.0. Service (BRMANDIE, 9.0—Re-cords. 9.30—Popular Music.

Teachers' Choir. Conductor: Fitz.
BUDAPEST, 9.0-Mass and Sermon-COLOGNE, 9.0-Sonata in G minor (Füssel), by Terese Sarata Kuer-mann (Violin) and Mary Jansen-Füssel (Pianoforte). Introduction by Egbert Grape. 9.30-Records.
FRANKFURT, 9.0 - "Visions"-Cycle of Leopold Weber's Poems (contd, from 8.45). 9.15-"Ger-mania" Choral Society. Conductor : Hannappel. Songs (Schumann): (a) Der träumende See, (b) Die Minnesänger. Songs (Schumann): (a) Per träumende See, (b) Die Minnesänger. Songs (Schubert): (a) Ruhe, schönstes Glück (b) Wan-derrs Nachtlied, (c) Liebe. Heide-liehe (Kämpf). Ein leives Lied (Nöss-ler). Folk Songs : (a) Zu ihren Füs-sen (arr. Othegraven), (b) Der Schn-sucht Treue (arr. Neumann).
Fenstergang (arr. Neumann).
HAMBURG, 9.30-Meditation.
HILVERSUM, 9.0-Talk (contd. from 8.45). 9.10-Records. 9.20-Talk. 9.40-Jong (Organ).
HUIZEN, 9.0-Religious Programme (contd. from 8.10). 9.10-High Mass from Driebergen.
KAUUNDBORG, 9.0 Church Service.

- Mass from Driebergen. KALUNDBORG, 9.0 Church Scrvice. KÖNIGSBERG, 9.0—Russian Lesson-LEIPZIG, 9.0—Talk : The German Reich: 9.30—See Hamburg. MONTE CENERI, 9.30—Announce-ments ; Religious Address. MOSCOW (No. 1), 9.0—News, 9.15— Request Programme.

- Request Programme. MUNICH, 9,0-Service (contd. from 8.30), 9,10-Chimes. 9,15-Read-ing. 9.40-Horn Concertos by Karl Noth, Karl Hagen and a Chamber Orchestra. Conductor: Büchtger. Concerto for Two Horns (Teleman). Horn Concerto in E flat (Mozart).
- OSLO, 9.5–Symphonic Variations (Franck) on Records. 9.20–Service, PARIS (Poste Parisien), 9.0 Press Review, 9.22–Announcements; Cookery Notes. 9.30–Records.
- Cookery Notes. 9.30—Records. PARIS (PTT), 9.0—Records of French Music. Overture, "Mignon" (Thomas). Aria, "Manon" (Mas-senet). Soldiers' Chorus, "Faust" (Gounod). Farandole, "L'arlé-sienne" (Bizet). Le cygne (Sain-Saéns). 9.30—For Children. PARIS (Radio-Paris), 9.0—Records. 9.20—English.

ROME, 9.0-Rural Programme. SOTTENS, 9.30—Protestant Service from Neuchâtel. STOCKHOLM, 9.0—Two Talks.

STRASBOURG, 9.30-Records.

- VIENNA, 9.0-Service (contd. from
- WARSAW, 9.5—Records : Slav Dances (Dvořák), by the London Symphony Orchestra. 9.30—Service from the Church of the Holy Cross.

10 a.m.

- BEROMÜNSTER, 10.0—Report from Davos : The International Ice Hockey Championships.
- Davos : The International Ice Hockey Championships.
 BRESLAU, 10.0—Reading (Dinklage).
 10.30—Jacky Seger's Band, Floren-tine March (Fučlk). Overture, "Maritana" (Wallace). Waltz, Zigeunerweisen. Tango, Riviera (Mahr). March, Empor zum Licht (Laukien). Nachtfalter (Strauss). Overture, "The Bohemian Girl" (Balfe). Drunter in der Lobau (Strecker). Song and Andalusian Serenade (Lautenschläger). Se-lection, "Madame Butterfly" (Puc-cini). Foxtrot (Scholl-Mender). Selection, "The Land of Smiles" (Lehár). Tango, Was weisst Du von mir (Bechmann). Waltz, Sun, Moon and Stars (Meisel). Foxtrot (Kudritzk). Foxtrot, Tomato-juice is heady stuff (Atkins). Popular Song. Potpourri (Dostal). Spanish Gipsy Dance (Marquina). Du hast das Feuer im Blut (Dazar). March Potpourri (Roland).
- BRUSSELS (No. 1), 10.0—Lalo Records for the Anniversary of the Composer's Birth. Extracts, "Le

- roi d'Ys." Norwegian Rhapsody. Spanish Symphony.
- Spanish Symphony. BRUSSELS (No. 2), 10.0—Mozart Concert (on Records) for the anni-versary of his Birth. Overture, "The Magic Flute." Bassoon Con-certo. Symphony in E flat. German Dances. Overture," Der Schauspiel-direktor."
- BUDAPEST, 10.0—Mass and Sermon (contd. from 9.0). 10.15—Protestant Service
- COLOGNE, 10.0—Records. 10.10— Reading. 10.30—Records. 10.10— Arndt Menorial Programme, from Bonn University. Festliches Vorspiel (Maler). Reading from the Works of Arndt. Address by Prof. Stein-bach. Music.
- of Arndt. Address by Froi. Steinbach. Music.
 DEUTSCHLANDSENDER, 10.0 Recitation (Böhme). 10.15—Weather. 10.30—Chamber Music on Records.
 FRANKFURT, 10.0—Talk : The Na-tional Socialist Revolution. 10.15— A Talk with Friedrich Bethge. 10.30 —Chamber Music. Gustav Len-zewski and Heinrich Gaubatz (Violins), Walter Spahlinger (Cello), and Otto Braun (Pianoforte). Fan-tasia in B flat for Violin (Telemann). Violin, 'Cello and Basso continuo Sonata (Birkenstock). Violin and 'Cello Duet in C (Stamitz). Violin and Pianoforte : Theme with Variations (Dittersdorf).
 HAMBURG, 10.10—Divertimento in
- Variations (Dittersdorf). HAMBURG, 10.10–Divertimento ie, E flat (Mozart), by Grete Eweler (Violin), Irmgard Veidt (Viola) and Maria Forst ('Cello). 10.45–As-tronomical Talk. HILVERSUM, 10.0–Talk. 10.10– Protestant Service from Oudkerk.
- HUIZEN, 10.0—High Mass (contd. from 9.10). 10.25—Records. KALUNDBORG,10.0—Service (contd. from 9.0). 10.30—Weather. 10.40— News.
- News. KÖNIGSBERG, 10.0. Talk : Chil-dren and the Nation. 10.10---Weather ; Programme Announce-ments. 10.20--- "A Mother's Story" -- Play after Andersen (Blachetta). Music by Ochs.
- (Blachetta). Music by Ochs. LEIPZIG, 10.0 Programme An-nouncements. 10.30 Richard Ko-derle (Bass). Ich liebe dich (Beetho-ven). Angedenken (Cornelius). Es muss ein Wunderbarcs sein (Liszt). Die Nacht (Strauss). Über Nacht (Hugo Wolf). Heimweh (Hugo Wolf). Gesang Weylas (Hugo

- BERLIN, 10.30—String Trio in B flat (Schubert), by the Ewcler Trio (on Records).

STRASBOURG, 9.30-Records.
 STUTTGART.9.0-Suite (contd. from 8.45). 9.5-Records: Bach, Haydn and Mozart Music. 9.45--"Ger-man Nation, German Heritage"; "The Holy Roman Empire"-Play (Kanig).
 TURIN, 9.0-Rural Programme.

SUNDAY Jan. 27

10 a.m. (contd.)

Grenzen der Menschheit t). Träume (Wagner). Wolf). (Schubert) (Schubert). Iraume (wagner). MONTE CENERI, 10.0—Report from Davos: The International Ice-Hockey Championships.

- Hockey Championships. MUNICH, 10.0-Horn Concertos (contd. from 9.40). 10.10-" The White Silence "-Poems (Michler) on Records. 10.30-Fantasia and Fugue on B.A.C.H. (Reger) by Gustav Schoedel (Organ). OSLO, 10.0-Service. PAPIS (Paste Paritic). 10.0
- Gustav Schoedel (Organ). OSLO, 10.0-Service. PARIS (Poste Parisien), 10.0-Records. 10.20-Station Orchestra. In the Interval at 10.40, Songs. PARIS (PTT), 10.0 Sports Notes. 10.15-Derveaux Symphonic Jazz Orchestra. Foxtrot (Robin). La housarde (Ganne). Slow Foxtrot (Rainger). Selection, "Le grand Mogol "(Audran). Me without you (Gensier). Le bouffon (Pattlan-Bamford). Slow Foxtrot (Johnston-Coslon). Bouton d'or (Pierné). Where my Caravan has' rested (Lohr). Pasodoble (Lucchesi). PARIS (Radio-Paris), 10.0-Book-keeping. 10.40-Spanish. PRAGUE, 10.0-Ondricek Quartet and Hertl (Double Bass). RADIO-NORMANDIE, 10.0-Re-cords. 10.15-Hawaiian Music. 10.30-Orchestra. ROME, 10.0-See Turin.

- SOTTENS, 10.0—Report from Davos: The International Ice-Hockey Championships. 10.30— Records. Chamber Music and Orchestral Music. STOCKHOLM, 10.0—Service.

- STOCKHOLM, 10.0—Service. STRASBOURG, 10.0—Records. 10.45—Protestant 'Service. STUTTGART, 10.0— "The Holy Roman Empire "—Play (contd. from 9.45). 10.30—Literary and Musical Programme. Jautz (Tenor), Müller (Baritone), Schwarz (Recitations), Thaler (Accordion) and Haagen (Harpsichord).
- TURIN, 10.0—Mass from the Church of the Annunciation, Florence.
- of the Annunciation, Florence. VIENNA, 10.0-For Farmèrs. 10.45 -Mozart Concert by the Salzburg Mozart Orchestra and the Mozart-eum Choir from Salzburg. Con-ductor : Paumgartner. Johanna Hölty (Soprano) and Lichty (Pianoforte). Finale from the Unfinished Symphony in D. Soprano Aria, Vio avete un cor fedele. Some Unfamiliar Orchestral Pieces. Pianoforte Concerto in B flat. Choral from "Thamos, König in Agypten." WARSAW, 10.0-Service (contd. from 9.30). 10.57-Time.

11 a.m.

- BERLIN, 11.0-See 10.30 Breslau. BEROMÜNSTER, 11.0-Ice Hockey Report (contd. from 10.0), 11.30-News, 11.40-Friedemann Concert by the Radio Orchestra. Conductor :

- by the Radio Orchestra. Conductor : Neppach.
 BRESLAU, 11.0--Jacky Seger's Band (contd. from 10.30).
 BRUSSELS (No. 1), 11.0--Records : Light Music. 11.55--Weather.
 BRUSSELS (No. 2), 11.0--Radio Orchestra. Conductor : Paul Gason. Ouverture burlesque (Mé-hul). Bruits d'avions (Brusselmans). La machine à coudre (Limenta). The Old Musical Box (de Sévérac). The Mill in the Black Forest (Eilenberg). La toupie (Gillet). Divertissement (Luigim). Chanson joyeuse (Rimsky-Korsakov). Le métro (Ibert). Coq et poules (Paradis). The Whistler and his Dog (Pryor). Japanese Lantern Dance (Yoshitomo). The Nigger's Dream (Myddleton). Die Nacht-gall im Fliederbusch (Krome). Sifflez Pierreites (Popy). 11.57--Weather.
 BUDAPEST, 11.0-(contd. from 10.15) Protestant Service. 11.20-Weather; Time. 11.30-Police Band. Conductor : Szöllössy. COLOGNE, 11.0-See Leipzig. DEUTSCHLANDSENDER, 11.0-See Leipzig. FRANKFURT, 11.0-See Stuttgart.

- See Leipzig. FRANKFURT, 11.0—See Stuttgart. HAMBURG, 11.0—See Stuttgart.
- HILVERSUM, 11.0-Service (contd. from 10.10). 11.40-Time; Re-
- Grigor Serban and his Romanian Grigor So Orchestra
- KALUNDBORG, 11.0—Chimes. 11.2 —Radio Orchestra. Conductor : Mahler. Carnival Overture (Dvořák).

Elegy from the Screnade for Strings (Tchaikovsky). Allegro moderato from the Screnade in A (Brahms). Delirienwalzer (Strauss). Polka and Fugue, "Schwanda the Bagpiper" (Weinberger).

Bagpiper " (Weinberger). KÖNIGSBERG, 11.0—Danzig Theatre Orchestra. Conductor : Kallipke. March (Blon). Overture, "Rosa-munde" (Schubert). Selection, " Gaudeamus" (Humperdinck). Für lustige Leute (Komzak). Waltz, Dorfschwalben aus Österreich (Strauss). Serenade (Tchaikovsky). Symphony, From the New World (Dvořák). Selection, "The Arabian Nights" (Strauss). Symphonic Dances (Grieg). Overture, "Ray-mond" (Thomas). LEIPZIG, 11.0—Dresden Philhar-

Dances (Thiog). Overtuit, Kay-mond" (Thomas).
 LEIPZIG, 11.0—Dresden Philhar-monic Orchestra. Conductor; Schestak. Overture, "Fatinitza" (Suppé). Swedish Dances (Bruch).
 Waltz (Zeller). Auf Rosen gebettet (Lincke). Waltz - Intermezzo (Lincke). Münchner Kindl (Kom-zak). Overture, "Zampa" (Hé-rold). Selection, "Die Stier von Olivera" (d'Albert). Five Pieces-for String Orchestra (Juon). Fest-polonaise (Svendsen).

polonaise (Svendsen). MONTE CENERI, 11.0-Time; Weather, 11.5-Station Orchestra. March (Kaempert). Record. Waltz, Lotosblumen (Ohlsen). Record. Overture, "The Gipay Baron" (Strauss). Record. Overture, "The Barber of Seville" (Rossini). Re-cord. Rustle of Spring (Sinding). Italian Song Potpourri (de Micheli). Intermezzo, Honeymoon (Siede). 11.55-News.

MUNICH, 11.0-Military Band from the Feldhernhalle. Conductor : the re-OSLO, 11.45-News.

- PARIS (Poste Parisien), 11.0—Songs. 11.10—Station Orchestra. 11.48— Records.
- Records. PARIS (PTT), 11.0—Jazz Orchestra (contd, from 10.15). PARIS (Radio-Paris), 11.30¹—Marthe Bracquemond (Organ), from the Salle Cavaille-Coll. Sonata in A (Mendels-sohn). Le coucou (Daquin). Scherzo (Widor). Toccata and Fugue in D (Bach). Da CUE: 11.0. Cathodral, Chimes
- (Bach). PRAGUE, 11.0—Cathedral Chimes. 11.5—News. 11.15—Orchestra and Soloists. Conductor : Brock.
- Soloists. Conductor: Brock. RADIO-NORMANDIE, 11.0—Sacred Music. 11.30—Light Music. ROME, 11:0—Bible Reading. 11.30— Records. SOTTENS, 11.0—Records (contd, from 10.30). 10.30—News. 11.40— Records.
- STOCKHOLM, 11.0-Service. 11.45
- -Weather. STRASBOURG, 11.0-Protestant Scr-vice. 11.30-Roman Catholic Service (contd. from 10,45).

STUTTGART, 11.0-Zürich Jodel Double-Quarte'.

Double-Quarte⁴. **TOULOUSE** (Radio-Toulouse), 11.0— Dance Refrains : Opera Arias. 11 45—Roman Catholic Service. **TURIN**, 11.0—Bible Reading. 11.30

-Records

VIENNA, 11.0-Mozart Concert (contd. from 10.45).

VIENNA, 11.0-MOZAR Contern (contd, from 10.45).
WARSAW, 11.0-Fanfare from the Tower of St. Mary's Church, Cracow, 11.3-Weather, 11.5-Theatre Review, '11.15-Wagner Concert from the Philharmonic Orchestra, Conductor: Oziminski. Mme, Plat (Soprano) and Golebi-owski (Tenôr). Introductory Talk, Part 1. Extracts, "Lohengrin," Introduction. Wedding March. Elsa's Dream. Three Tenor Arias. Introduction to Act III, Part 2. Extracts, "Tannhäuser," Overture, Aria. Bacchanal. March.

12 noon

BERLIN, 12.0—Reading : A Soldier's Life. 12.15—See 10.30 Breslau. BEROMÜNSTER, 12.0—Friedmann Concert (contd. from 11.40). 12.30 —Orchestra.

BRESLAU, 12.0—Jacky Seger's Band (contd. from 10.30).

(contd. from 10.30), BRNO, 12.30—For Farmers, 12.45 —For Farmers, in German. BRUSSELS (No. 1), 12.0—Folk Music of the Nations—Orchestra. Conductor : Douliez. Old French Song, Sur la route de Louviers (arr. Tremolo), Variations on "Au clair de la lune" (Massenet), Para-phrase on "La Paloma" (Yradier-Weninger). Variations on the Russian Song "Uchar Kupetz," for Violin and Orchestra (Portnoff). Georgian Echoes (Leopold), Songs

of Great Britain, Britelodia (Humphries). Austrian Peasant Dances (Pachernegg). In the Interval at 12.30; Monologues, by Deluc. BRUSSELS (No. 2), 12.0-Records.

BRUSSELS (No. 2), 12.0—Records. BUDAPEST, 12.0—Police Band. COLOGNE, 12.0—Greetings. 12.10 —See 11.0 Leipzig. DEUTSCHLANDSENDER, 12:0— Greetings. 12.10—See 11.0 Leipzig. FRANKFURT, 12.0—Stories of the German People. 12.15—Records. HAMBURG, 12.0—Time; Weather. 12.10—See 11.0 Leipzig.

12.10—See 11.0 Leipzig.
 HILVERSUM, 12.0—Records. 12.10 —A.V.R.O. Orchestra. Conductor: Treep. Temptation Rag (Lodge).
 Overture (Sulliva). The Wedding of the Winds (Hall). Berceuse de Jocelyn (Godard). Selection,-"The Bartered Bride" (Smetana).



Francois Rasse, for whose birthday Brussels No. 1 gives a concert at 8.0 p.m.

Soirée de Vienne (Schubert-Liszt). Delibes Potpourri (Urbach). In the Interval : Records. HUIZEN, 12.0—Orchestra (contd. from 11.40). 12.15—Records. 12.40 —Literary Talk. JUAN.LES-PINS (Radio Côte d'Azur), 12.15—Light Music. In the Intér-val : Film Notes. KALUNDBORG, 12.0 — Talk in English : Famous Escapes. 12.20-Talk in German : Gerhart Haupt-mann's Post War Books. 12.40-Readings in French. KÖNIGSBERG, 12.0 — Orchestra (contd. from 11.0). LEIPZIG, 12.0—Orchestra (contd. from 11.0).

LEIPZIG, 12.0—Orchestra (contd. from 11.0).

from 11.0). MONTE CENERI, 12.0—News, 12.5 —Orchestra (contd. from 11.5). 12.20—Guessing Competition. 12.30 —Popular Songs, on Records.

—Popular Songs, on Records.
 MUNICH, 12.0—Station Orchestra.
 Conductor : Kloss. Lotte Stumpf (Soprano) and Machoi (Xylophone).
 Overture, "Karnevalstreiche" (Richter). Waltz, Way to the Heart (Lincke). Songs : (a) Winterfied (Koss), (b) Japanese Rain Song (Marx), (c) Ständehen (Schubert).
 Ballet Suite, Faun und Elfenreigen (Kark). Xylophone Solo : William Tell Fantasia (Krüger). Potpourri, Ungaria (Leopold). Sound - Film Songs. Selection, "Abschiedswalzer" (Chopin-Melichar).
 OSLO. 12.0—Ensemble. Kaas (Songs)

walzer " (Chopin-Melichar).
OSLO, 12.0-Ensemble. Kaas (Songs) and Christensen (Violin). Florentine March (Fucik). Waltz, Ma bien-aimée (Waldteufel). Violin : (a) Song of Songs (Moya), (b) Serenade (d'Ambrosio), (c) Wiegenlied (Schu-bert). Songs : a) For de särede (Lammers), (b) Vingede skarer (Flemming). Violin : (a) Gavotte (Lully), (b) Canto amoroso (Sam-martini). Songs : (a) Alt legger for din fot jeg ned (Kjerulf). (b) Reven lä under birkerot (Kjerulf). Potpourri (Sandell). Tango, Capri (Kennedy). (Kennedy).

PARIS (Poste Parisien), 12.0—Inter-lude. 12.5—Light Music. 12.15— Records : Sound-Film Music. 12.45 —An Interview. 12.50—Records.

An Interview. 12.30—Records.
 PARIS (PTT), 12.0—Locatelli Orchestra. Divertissement, Zorriga (Bousquet). Catalan Serenade (Niemann). Kirschblütenfest (Niemann). Le chant du mistral (Casadesus). Cordoba (Albéniz). Danzas fantaşticas (Turina). Sérénade à Colombine (Pierné). Suite, Izeyl (Pierné). Romance (Svendsen). Estampes

(Debussy). Selection, "Cocorico" (Ganne).

- (Ganne). ARIS (Radio-Paris), 12.0—Religious Address. 12.20—Sacred Music, on Records. Gloria in excelsis. Diffusa et gratia (Nanini). Tantum ergo (Vittoria). 12.30—Bilboquet as an Embroiderer, 12.45—Records of Light Music.
- PRAGUE, 12.0—Orchestra. 12.30– For Farmers, 12.45–12.55—An nouncements.
- RADIO-NORMANDIE, 12.0—Dra-matic Programme. 12.30—News; Announcements. 12.45 Light Music.
- Music. REYKJAVIK, 12.0—Service. ROME, 12.0—Time; News. 12.10— See Turin. 12.30—Records. SOTTENS, 12.0—Records.
- STRASBOURG, 12.0-News; Re-cords. 12.15-Orchestra.

TOULOUSE (Radio-Toulouse), 12.5 —Symphony Orchestra. 12.15— Songs. 12.45—Sound-Film Music. TURIN, 12.0—Time; News; Re-cords. 12.10—Request Records. 12.40—Records.

12.40-Records. VIENNA, 12.0-Reading, 12.20 Vienna Symphony Orchestra. Con-ductor ' Schönherr Rosner (Vio-lin). Overture, "Der liebe Augus-tin" (Fall). Waltz, Friedenspalmen (Strauss). Caro mio ben (Giordano-Stumpf). Selection, "Aida "(Ver-di). A Wedding Day on Trold-haugen (Grieg). Gavotte, In the Shadows (Fink). Selection, "Di oder Keine" (Eysler). Pot-pourri of Alpine Songs, Die Berge hoch (Pachernegg). March Foxtrot, Military Musie (Weiss). WARSAW, 12.0-Talk 12.15-

WARSAW, 12.0-Talk. 12.15-Wagner Concert (contd. from 11.15).

1 p.m.

BERLIN, 1.0—Sports Notes. 1.15— Song Records. (Tito Schipa, Kie-pura, Helge Roswaenge).

BEROMÜNSTER, 1.0—Commentary on the International Football Match Switzerland v. Germany, at Stutt-

BRESLAU, 1.0-News. 1.10-Read-ing. 1.30-Greetings. 1.35-Re-

BRNO, 1.0-1.15-For Farmers, in German.

German, BRUSSELS (No. 1), 1.0-News. 1.10-Joos (Organ), from the Carme-lite Church. 1.40-Acts 1 and 11, "Rigoletto" (Verdi), on Records. for the Anniversary of the Com-poser's Birth.

ATHLONE, 1.0-Records.

gart.

ing. cords.

BRUSSELS (No. 2), 1.0—News. 1.10 —Records. 1.35—Jazz Music, by Syvain Hamy (Pianoforte). BUDAPEST, 1.0—Records. COLOGNE, 1.0—"The Brave Little Tailor"—Marionette Play (Rade-stock)

[JANUARY 25, 1935

- COLOGNE, 1.0—" The Brave Little Tailor "—Marionette Play (Radestock).
 DEUTSCHLANDSENDER, 1.0—" "Land of Cocaigne "—Play, for Children (Otto Wollmann). 1.45—Jan Kiepura Records.
 FRANKFURT, 1.0—See Stuttgart.
 HAMBURG, 1.0—" Der böse Gnom vom Silberwald "—Fairy Play (Thyra Ladstatter), with Music by the Station Ladies' Choir and Gerhard Gregor (Organ). 1.45—Readings: Two Fairy Stories (Grimm).
 HILVERSUM, 1.0—Orchestra (cont.from 12.10). 1.40—Book Taik.
 HUIZEN, 1.0—Grigor Serban and his Romanian Orchestra. 1.40—Reiligious Address.
 JUAN-LES-PINS (Radio Côte d'Azu), 1.0—News. 1.15—Dance Music.
 KALUNDBORG, 1.0—Chess Lesson. 1.30—Taik and Music for Children.
 KÖNIGSBERG, 1.0—Chess Lesson. 1.30—Records.
 LEIPZIG, 1.0—Weather; Time. 1.5
 —Taik German Peasantry. 1.30—Symphonic Etudes (Schumann), by Coriot (on Records).
 MADRID (EAJ7), 1.0—Chimes; Light Music. 1.30—Sextet.
 MONTE CENERI, 1.0—Commentary on the International Football Match Switzerland v. Germany at Stuttgart. MOSCOW (No. 1), 1.0—Taik in Swedish: Foresters in the Soviet States.
 MUNICH, 1.0—Time; Weather;

- MUNICH, 1.0—Time; Weather : Programme Announcements. 1.10-Dialogue : Flax. 1.30-For Chil-
- PARIS (Poste Parisien), 1.0—Records. 1.20—Interlude. 1.30—Soloist Pro-

 PARIS (Poste Parisien), 1.0-Records. 1.20-Interlude. 1.30-Soloist Programme.
 PARIS (PTT), 1.0-News. 1.15-Programme for Scouts. 4.30-"Don Quixote"-Opera (Massenet). from the Opéra-Conique.
 PARIS (Radio-Paris), 1.0-Pascal Or-chestra. Santa Lucia Luntana (Mar-co). Puppchen (Gilbert). Baby plays Soldiers (Micheli). Violin Solo (Kreisier). The Cuckoo (Jonasson). Dance of the Merry Mascots (Ketelbey). Posies and Nosegays (Arkins). 'Cello: Elegy (Massenet). Trink-Trink (Lindemann). King Carnival (Rosey). Old Love Song (Bohm). Pi an of or te: Waltz (Chopin). Czardas Scene (Lederer). Canary Sac (Ward). Solection, "No No Nanette" (Youmans). Sérénade dans le soir (Grécourt). Dasvidanya (Stravsky), Sous ton balcon (Drigo). The Phantom Brigade (Myddleton). Hoffball tänze (Strauss).
 RADIO - NORMANDIE, 1.0-Light Music RADIO - NORMANDIE, 1.0-Light

Music. ROME, 1.0-Records.

STRASBOURG, 1.0-News. 1.15-

STRASBOURG, 1.0—News. 1.15-Orchestra. STUTTGART, 1.0--"Round the World "--Play, for Children (Wet-zig). Music by Popelka. TOULOUSE (Radio-Toutouse), 1.0-News. 1.5-Viennese Orchestra. 1.15-Operetta Music. Airs, "The Ace of Hearts" (Parés-van Parys), "Enlevez-moi" (Gabaroche). "Les cloches de Corneville" (Planquette) and "La Basoche" (Messager), 1.30-Orchestra. Piece. (Schubert). Aubade d'amour (Monti). Mattinata (Leoncavallo). An den Frühling (Grieg). 1.45-Protestant Service. TURIN, 1.0-Records. VIENNA, 1.0-Vienna Symphony Or-

VIENNA, 1.0—Viena Symphony Or-chestra (contd. from 12.20), 1.40— Report : The Dachstein Cup Ski-jumping Competition. WARSAW, 1.0—Records.

2 p.m.

ATHLONE, 2.0-Records. BERLIN, 2.0—Sec Stuttgart. 2.45— For Farmers. For Farmers. BEROMÜNSTER, 2.0-2.45—Inter-national Football Commentary (contd. from 1.0). BRESLAU, 2.0—Records. 2.30— Humorous Songs for Children. BUDAPEST, 2.0—For Farmers. 2.50 —Pianoforte (Nagy).

--Pianolorte (Nagy). COLOGNE, 2.0-Sec Stuttgart. 2:45 --Talk : Land Inheritance. DEUTSCHLANDSENDER, 2.0-"Johann nu spann de Schimmels an "--Sequence of Peasant Wedding Customs and Music (Hahn). Music by Jentsch.

by Jentsch. FRANKFURT, 2.0—See Stuttgart. HAMBURG, 2.0—See Stuttgart. 2.45 —See Königsberg. HILVERSUM, 2.0—Talk (contd. from 1.40). 2.10—Symphony Concert from the Concertgebouw, Amster-dam. The Concertgebouw Orches-

2 p.m. (contd.)

tra. Conductor : Eduard van Beinum. Jan Dahmen (Violin). Symphonic Prologue (Reger). Violin Concerto (Beethoven).

- Concerto (Beethoven). HUIZEN, 2.0-Religious Address (cond, from 1.40). 2.10-K.R.O. Orchestra. Conductor: Gerritsen. March, "Sigurd Jorsalfar" (Grieg). Overture, Im Frühling (Goldmark). Two Icelandic Melodies (Svendsen). Scènes alsaciennes (Mässenet). Two Hungarian Dances (Brahms). From the Far West (Bantock). Selection, "Othello" (Verdi) and "The Arabian Nights" (Strauss). Elegy (Busch). Albumblatt (Wagner). Polish Dance (Scharwenka). 2.55-Talk on the Saar Plebiscite. BARCELONA, 3.0—For Hospitals. BERLIN, 3.0—Concert for "Green Week." Station Orchestra. Con-ductor: Steiner. In the Interval: Operetta Songs by Ursula Grabley, Senta Wagemann, Otto Stadhmeier, Brunno Hübner and Franz Heigel. (Scharwenka). Saar Plebiscite.
- JUAN-LES-PINS (Radio Côte d'Azur), 2.0—Protestant Service.
- JUAN-LES-PINS (Radio Côte d'Azur).
 2.0—Protestant Service.
 KALUNDBORG, 2.0—Five Songs from the Cycle, Haugtussa (Grieg) by Bertha Dorph. 2.25—Modern Light Music by Louis Preil's Orches-tra. Helge Rungwald (Song Re-frains), Hansen (Pianoforte), Jan-kovic (Xylophone) and Stangerup and Rasmussen (Marimbas). China-town, my Chinatowa (Schwarz-Christiansen). Alice Blue and Heliotrope from Three Shades of Blue (Grofé). Pianoforte Concerto in E flat (Gebhardt). Isshe a stop or a go girl ? (Atkins). Raftero from "Bolero" (Rainger). Interval. Selection from "Twenty-four Hours" (Christiansen). On the Trail, from the Grand Canyon Suite (Grofé). Negro Rhapsody (Deutsch). Slow Foxtrot (Thomsen). Two Marimbas and Xylophone; Whothall have a Kiss from Katic? (Whiting). Whiting)
- who shall have a Kiss from Katte ;
 (Whiting).
 KÖNIGSBERG, 2.0-See Stuttgart.
 2.45-Small Station Orchestra. Conductor: Wilcken. March (Moss).
 Overturc, "Ten Maids and no Man" (Suppé). Minuet (Schebeck).
 Schelmentanz (Schebeck). Vor meinem Vaterhaus (Stol2). Paraphrase on Santa Lucia (Löhr).
 March Potpourri (Blankenburg).
 Coqueterie (Monti). Serenata (Murzilli). Waltz, Wiener Fresken (Strauss). Lortzing Potpourri.
 Overture, "Masaniello" (Auber).
 In the Interval: Sports Notes.
 LEIPZIG, 2.0-See Stuttgart. 2.45-
- LEIPZIG, 2.0—See Stuttgart. 2.45— "Hoar-Frost on the Fir Trees"— Sequence for Young People (arr. Linke).
- Linke). MADRID (EAJ7), 2.0—Amusement Guide; Light Music. 2.30— Sextet. Overture, "The Merry Wives of Windsor" (Nicolai). Selection, "II Trovatore" (Verdi). Military March in E (Schubert). MONTE CENERI, 2.0-2.40—Inter-national Football Commentary (contd. from 1.0). MOSCOW (No. 1). 215—For Chil-
- MOSCOW (No. I), 2.15-For Chil-
- dren. MUNICH, 2.0—See Stuttgart. 2.45— Violin Music on Records. PARIS (Poste Parisien), 2.0—Re-cords. PURIS (PITD. 2.0, "Don Ouizote")
- cords. PARIS (PTT), 2.0—" Don Quixote " —Opera (contd. from 1.30). PARIS (Radio-Paris), 2.0—Pascal Orchestra (contd from 1.0).
- RADIO-NORMANDIE, 2.0—Report of the Football Match, Fécamp v. Dieppe.
- SOTTENS, 2.0—A Microphone Visit to Bulle, in Canton Gruyère.
- to Bulle, in Canton Gruyère. STOCKHOLM, 2.0 Temperance Talk. 2.30–Gunhild Flinck (Songs) and Johansson (Oboe). Songs: (a) Verborgenheit, (Wolf) (b) Mor-gen (Strauss), (c) Rastlose Liebe (Schuber). Oboe: (a) Minuet and Rondo (Bach), (b) Pastorale (Maugue). Three Songs (Geijer).
- (Maugüe). Three Songs (Geijer). STRASBOURG, 2.0—Talk in Ger-man for Farmers. 2.45—Concert from the Salle Poirel, Nancy. Conductor: Bachelet. Valabrega (Pianoforte); Cécile Bagard (Songs). Overture, "William Tell" (Ros-sini). Pianoforte Concerto in D minor (Bach). Symphonic Poem (Bionchini). Aria, "Rigoletto" (Verdi). Pianoforte Concerto (Schu-mann). Adriatic Suite (Lualdi). Pianoforte : (a) Nenia (Sgambati). (Verd), Planolore Concerto (Schu-mann). Adriatic Suite (Lualdi). Pianoforte : (a) Nenia (Sgambati), (b) Berceuse (Bachelet), (c) Humor-esque (Bachelet), (d) II rondo d'Arielo (Pick-Mangiagalli). March LAHTI, 3.0—Records. LEIPZIG, 3.0—"Hoar-Frost on the Fir Trees"—Sequence (contd. from 2.45). 3.15—See 2.45 Königsberg. (Casella).
- (Casena).
 STUTTGART, 2.0—Report of the Second Half of the International Football Match, Germany v. Switzer-land, from the Adolf Hitler Stadium.
 2.45—Dannehl Pianoforte Recital by Artur- Haagen, Allemande, Noc-turne, Rondo, Rondo di Caccai.
- TOULOUSE (Radio-Toulouse), 2.0-
- TURIN, 2.30-Records; Sports Notes.

WORLD-RADIO

VIENNA, 2.0-News. 2.10-Book Review, 2.35-Talk : South Ameri-

3 p.m.

BEROMÜNSTER, 3.0-Popular Pro-

gramme. BRESLAU, 3.0—Light Music. Sta-tion Dance Band. Conductor: Ilgner. Hans Rothensee (Song

Refrains.) BRNO, 3.0-Military Band. Con-

BRNO, 3.0.—Military Band. Conductor: Zita.
BRUSSELS (No. 1), 3.0.—Concert from the Conservatoire, Charleroi. Francescati (Violin). Piece (Jongen). Violin Concerto (Bach). Légende de Saint Nicholas (Jongen). Record : Fantasia for Pianoforte (Chopin). Symphonic Piece (Jongen). Violin Concerto (Paganini). Campéador (Jongen).
BUDAPEST, 3.0.—Pianoforte (Nagy). 3.30.—Taik.
COLOGNE, 3.0.—Erich Fanta Orchestra from the "Café Blau," Essen.

EUTSCHLANDSENDER, 3.0-See Breslau. 3.45-Report of the International Football Match, Ger-many v. Switzerland at the Hitler Stadium, Stuttgart (on Records). RANKFURT 3.0-Northeletter

Stadium, Stuttgart (on Records).
FRANKFURT, 3.0—Nauheim Kurhaus Orchestra from Nauheim.
Conductor: Naue. Overture, "Zaide" (Mozart). Gavotte (Händel). Minuet (Haydn). Ballet, Music, "Faust" (Gounod). Selection, "William Tell" (Rossini).
Selection, "The Czarevitch " (Lehár). The Kiss Serende (de Micheli). Canzone alla pastorella

Ria Cinster, who sings from

Frankfurt at 7.15 p.m.

(Cortopassi). Tales from the Vienna Woods (Strauss). Overture, "Die schöne Galathec" (Suppé).

HAMBURG. 3.0—See 2.45 Königs-berg. 3.45—"Spass in der Nacht" —Play with Songs (Harbeck).

HILVERSUM, 3.0—Symphony Concert (contd. from 2.10). 3.40– Kovacs Lajos Orchestra.

HUIZEN, 3.0-Talk (contd. from 2.55). 3.15-Orchestra (contd. from 2.10). KALUNDBORG, 3.0-Modern Light Music (contd. from 2.25).

KÖNIGSBERG, 3.0—Orchestra (contd. from 2.45).

MADRID (EAJ7), 3.0-Light Musie 3.30-Sextet : Russian Suite (Boro

MONTE CENERI, 3.30-Chess Les-

AONTE CENERI, 3.30—Chess Les-son. 3.45—Eastern Music. Rubino (Clarinet). Turkish March, Stambul (Musso). Oriental Song and Dance (Rubino). Selection, "The Geisha," Part I (Jones). Marcia esotica (Petruzzelli). Selection, "The Geisha," Part II (Jones).

DEUTSCHLANDSENDER,

- Review. 2.35—Talk : South Ameri-can Experiences. WARSAW; 2.0—For Farmers. 2.15— Radgowski Banjo Orchestra. Waltz, Whirligig (Fučík). Wedding Serenade (Klose). Mazurka (Zawadzki). Kiss Serenade (de Micheli). Stephanie-Gavotte (Czibulka). Rusticanella (Cortopassi). In the Interval at 2.25 : Market Prices. 2.45—For Farmers.

 - MUNICH, 3.0—See 2.45 Königsberg. OSLO, 3.15—Violin Trio: Nor-wegian Music, 3.40—Talk. PARIS (PTT), 3.0—" Don Quixote" —Opera (contd. from 1.30). PARIS (Radio-Paris), 3.0—Concert by the Conservatoire Concert Society, from the Conservatoire. PRAGUE, 3.0—See Brno. 3.45— Folklore.

 - Folklore.
 RADIO-NORMANDIE, 3.0—Football Report (contd. from 2.0).
 ROME, 3.15—Talk by Ugo Chiarelli. 3.30—Records; Sports Notes.
 SOTTENS, 3.0—A Microphone Visit to Bulle (contd. from 2.0).
 - STOCKHOLM, 3.0—English. 3.30 —For Children. STRASBOURG, 3.0—Concert (contd.
 - from 2.45). STUTTGART, 3.0-See Breslau.
 - VIENNA, 3.0-Vienna Symphony Orchestra. Conductor: Holzer. Rosner (Violin). Schönfeldmarsch (Ziehrer). Overture, "Apajune" (Millöcker). Violin : Vision (Drdla). Selection; "The Little Dutch Girl" (Millöcker), violation Selection, "The Little Dutch Giri (Kálmán). Intermezzo," Die sil-berne Tänzerin" (Bittner). Song, "Die" geschiedene Frau" (Fall). Schatzwalzer (Strauss). Allegro from a Ballet Suite (Pauspert). Potpourri of Austrian Marches
 - Potpourri 6. (Uh). WARSAW, 3.0—Reading. 3.20— Records: Polish Songs. 3.45—

4 p.m.

- BERLIN, 4.0-Concert (contd. from BEROMÜNSTER, 4.0-Popular Pro-
- gramme. BRESLAU, 4.0—Light Music (contd. from 3.0). BRNO, 4.30—Records.
- BRUSSELS (No. 1), 4.0 Concert (contd. from 3.0). BUDAPEST, 4.0—Dance Music, Dénes Buday Jazz Band from the Andrássy Café.
- Andrassy Cate. COLOGNE, 4.0—Fanta Orchestra (contd. from 3.0). 4.30—Humorous Guessing Competition. DFUTSCHLANDSENDER, 4.0.— Football Report (contd. from 3.45). 4.30—See 3.0 Breslau. DFADNEUDT 4.0. Orchestra (contd.
- FRANKFURT, 4.0-Orchestra (contd.
- FRANKFURT, 4.0—Orchestra (contd. from 3.0). HAMBURG, 4.0—Play with Songs (Harbeck) (contd. from 3.45). 4.15—Station Dance Band, Con-ductor : Bolt. Soloist : Ruth Herell. HILVERSUM, 4.0—Orchestra (contd. from 3.40). 4.25—Sports Talk ; Records. 4.40—V.A.R.A. Or-chestra. Conductor : de Groot. Florentine March (Fučik). Over-ture, "Orpheus in the Underworld" (Offenbach). Variations (Sullivan . UIZEN, 4.0—Records. < 1.10— For Invalids. 4.40—Sacred Music on Records.
- on Records. KALUNDBORG, 4.0—Service from Christiansborg Castle Church.
- Christiansborg Castle Church. KÖNIGSBERG, 4.0 Orchestra (contd. from 2.45). 4.30—Else Becker Stoller (Pianoforte). Sonata in C (Mozart). Nocturne in B (Chopin). Valse impromptu (Liszt). LAHTI, 4.5—Talks. 4.35—Elias Kiianmies (Songs). LYONS (La Doua), 4.45—Orchestra from the Rameau Hall. Conductor : Witkowski

- from the Ramcau Hall. Conductor : Witkowski. LEIPZIG, 4.0—See 2.45 Königsberg. 4.30—Report of the Jumping Championship at Halle, 4.50— Variety (on Records). MADRID (EAJ7), 4.0—" Lohengrin " —Opera in Three Acts (Wagner), from the Gran Teatro del Licco, Barcelona. In the Intervals : Art and Literary Notes ; Film Review ; Anecdotes.
- and Literary Notes; Film Review; Anecdotes. MONTE CENERI, 4.0 Eastern Music (contd. from 3.45). 4.15— Station Orchestra. Suite, A Day in Venice (Nevin). Song, Good-bye (Tosti). Dance of the Waves, "Loreley" (Catalani). 4.45—For Children : Three Little Pigs.
- Children: Three Little Pigs.
 MORAVSKÁ-OSTRAVA, 4.55 German Transmission: Haydn-Strauss Concert. Station Orchestra.
 Conductor: Leopold Ludwig.
 Feilner (Songs). Part I. Symphony in D (Haydn). Part II. Strauss Music: Kaiser Walzer. Extracts, "Eine Nacht in Venedig," "The Queen's Kerchief." Aria, "Der lustige Krieg," Overture, "Die Fledermaus."
 MOSCOW (No. 1), 4.0—Communist Party Programme. 4,30—Music of White Russia by a Folk Instrument Ensemble and Soloists.
 MUNICH, 4.0—See 3.0 Berlin. 4.15—

- Sce 2.45 Königsberg. 4.30-Ruh-polding Peasants before the Micro-phone. Introduction by Lore Reck-linghausen. 4.50-The Munich Pianoforte Quartet. Trio Sonata in A (Handel). Pianoforte Quartet in D (Dvořák). OSLO, 4.0-Light Music. PARIS (Poste Parisien), 4.30-Re-cords: Light Music. PARIS (PTT), 4.0-"Don Quixote" -Opera (contd. from 1.30). PARIS (Radio-Paris), 4.0-Concert (contd. from 3.0). PRAGUE, 4.0-Folklore. 4.30-Records. 4.40-Talk : In London. 4.55-See Moravská-Ostrava. RADIO-NORMANDIE, 4.0 Mili-tary Music. 4.30-For Children. 4.45-Xylophone. REYKJAVIK, 4.0-Lecture. 4.30-

- 4.45—Xylophone. REYKJAVIK, 4.0—Lecture. 4.30— Music from Hotel Borg. ROME, 4.0—Augusteo Concert. STOCKHOLM, 4.0—For Children. 4.5—Records. 4.30—Talk. STRASBOURG, 4.0 Concert (contd. from 2.45). STUTTGART, 4.0—Sce 3.0 Breslau. TURIN, 4.0—Symphony Concert from the Teatro Communale, Florence. Conductor: Vittorio Gui. Edwin Fischer (Pianoforte). VIENNA. 4.5—Talk: In the Back
- VIENNA, 4.5—Talk : In the Back Streets of Vienna. 4.25—Dance
- WARSAW, 4.0—Dance Music by the Stromberg and Kaczynski Band. 4.50—Talk.

5 p.m.

- 5 p.m.
 BARCELONA, 5.30-Records.
 BERLIN, 5.0-See Breslau. 5.30-Mozart Anniversary Concert. Chamber Orchestra. Conductor: Hans von Benda. Musikalische Bauern-hochzeit. Cassation. Divertimento. March. Minuets. Dances. Extract from the Clarinet Concero.
 BEROMUNSTER, 5.0-Records of Chamber Music. 5.30-Talk: Budapest. 5.50-Records. of Hun-gatian Songs.
 BRATISLAVA, 5.0-Hungarian Transmission: Ady, a Hungarian Poet-Talk and Reading. 5.45-Sports Review.
 BRESLAU, 5.0-Report of the Ski-Jumping Championship at Spindler-mültie. 5.30-" Bir kumma zum Lichten "-Dialect Play (Mohr).
 BRUSSELS (No. 1), 5.0-" Trio de la Cour," from the Palais des Beaux-Arts. Golden Sonata (Purceil). Trio in E flat (Beethoven). Picces (Pool): (a) Allegro martiale, (b) Adagio in Stilo antico, (c) Impromp-tu, Trio (Ravel). In the Interval: Football Results.
 BRUSSELS (No. 2), 5.0-Relay of the Celebrations for the Fiftieth Anni-versary of the Moyson Union at Ghent. In the Interval: Sports Results.
 BUDAPEST, 5.0-Dance Music

- Ghent. In the Interval: Sports Results. BUDAPEST, 5.0-Dance Music (contd. from 4.0). 5.10-Talk. 5.30-Male Voice Choir. COLOGNE, 5.0-Chamber Music. Toni Menzen (Soprano) and the Prisca Quartet. Songs (Menzen): (a) So ich traurig bin, (b) Linden-laub. Theme, with Variations (Beethoven). Three Folk Songs: (a) Die Linde im Tal, (b) Ein Lied vom Rosengarten, (c) Dance Song. String Quartet: German Folk Songs. 5.45-" Paderborner Brot" -Sequence (Blanke-Tölle). Music by Humpert. by Humpert
- --Sequence (Blanke-Tolle). Music by Humpert. DEUTSCHLANDSENDER, 5.0-Re-cords : Old and New Carnival Songs, with Jupp Hussels ; Dance Music, 5.50-To be announced. FRANKFURT, 5.0-" January 30, 1932 "-- a Sequence (Richter). 5.30 -- The Twilight Hour. HAMBURG, 5.0-Dance Band (contd. from 4.15). 5.10-Report of the Finals of the Tennis Championships at Bremen (on Records). 5.35-" Vetter Kirchoff auf St. Paull "-Radio Film (Thias-Quistorf). The Station Choir. Conductor : Gregor. Wind Instrument Orchestra. Con-ductor : Becker. HILVERSUM, 5.0-Orchestra (contd. 5.30, 5.10-Sports Talk. 5.30, 5.10-Sports Talk.
- HILVERSUM, 5.0—Orchestra (contd. from 4.40).
 5.10—Sports Talk.
 5.30—V.A.R.A. Orchestra. Over-ture, "The Merry Wives of Wind-sor" (Nicolai). Im Puppenhaus (Engelmann).
 5.55—Records.
 HUIZEN, 5.0—Service, from St. Martin's Church, Gröningen. After the Service, Sacred Music, by the St. Martin's Church Choir. Con-ductor: Kuiper.
 KAI UNDBORG.
 5.20—Talk : Local
- ductor : Kuiper. KALUNDBORG, 5.20—Talk : Local Elections under the New Regula-tions. 5.50—Weather.
- tions. 5.50—Weather. KÖNIGSBERG, 5.0—Announce-ments. 5.5—Talk: Arc you a good Judge of Human Nature? 5.30— Georg Philipp Telemann Concert. from Königsberg Palace. Small

SUNDAY Jan. 27

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- Station Orchestra and Choir. Con-ductor: Seidler: Introductory Talk, by Prof. Müller-Blattau. Overture in A minor. Concerto for Eight Violins. "Die Tageszeiten" Cantata for Four Solo Voices and Choir.
- Choir. LAHTI, 5.0—Weather. 5.10—Talk. 5.30—Saint-Saëns Concert. Station Orchestra. Conductor : Linko. Selin ('Cello). Overture, "La prin-cesse jaune." Selection, "Samson and Delilah." Nocurne, from the Algerian Suite. 'Cello Solo : Lé cygne. Danse macabre. LEIPZIG, 5.0—Varlety (con:d. from 4 50)

- LEIPZIG, 5.0-Varlety (con:d. from 4.50).
 LYONS (La Doua), 5.0-Orchestra (contd. from 4.45).
 MADRID (EAJ7), 5.0-" Lohengrin " (Wagner) (contd. from 4.0).
 MONTE CENERI, 5.0-Station Orchestra. French Folk Song Potpourri (Mouton). Screnade (Schubert). Solemm March (Tchai-kovsky). 5.30-Choral Concert, by Bellinzona Schoolchildren. Conductor : Gargano. Swiss National Anthem (Zwyssig). March, "Aida " (Verdi). Roulez, tambours (Amiel). Sorenata (Valverde). Vintage Song, Canzone dell'uva (Lombezzi). Military Music (Gargano). 5.55-Sports.
 MORAVSK A-OSTRAVA, 5.0-German Transmission (cond. from 4.55).
 MORAVSK A-OSTRAVA, 5.0-German Transmission (cond. from 4.50).
 MUNICH, 5.0-Munich Pianoforte Quartet (cond. from 4.50). 5.30-Vaudeville.
 MUNICH, 5.0-Talk. 5.30-Station Orchestra. Conductor : Kramm. Eilif Gunström (Viola). Overture, Carnaval & Roue (Beiloz). La Gitana (Kreisler). Lealandic Melody (Svend)

- Carnaval à Roine (Berlioz). Dvofak Potpourri (Leopold). La Gitana (Kreisler). Icclandic Melody (Svend-sen). Spring Song (Mendelssohn). Ave Maria (Schubert). Dance of the Hours, "La Gioconda" (Ponchielli). Viola Concerto in D (Haydn). Norwegian Rhapsody (Reindarson). PARIS (Poste Parisien), 5.0-Re-cords: Light Music. PARIS (Radio-Paris), 5.0-For Chil-dren.
- dren. PRAGUE, 5.0-See 4.55 Moravská-Ostrava. 5.55-News in German. RADIO-NORMANDIE, 5.0-Scottish Music. 5.30-Orchestra. 5.45-
- Organ. ROME, 5.0-Concert ' (contd. from
- 4.0, SOTTENS, 5.0—Light Music. Small Radio-Lausanne Orchestra. Con-ductor: Desarzens. Overture, "The Gipsy Baron" (Strauss). Waltz, Blumen and Spanien (Ail-bout). Lenz (Hildach). Media-tion (Coleridge-Taylor). Schubert Potpourri (Urbach). Scandinavian Intermezzo (Sodermann). Slav Intermezzo (Soderman). Slav Cradle Song (Neruda). Waltz (Dvořák). Spanish Dance (Moszkowski). STOCKHOLM, 5.0-Evensong. STRASBOURG, 5.0-To be an-
- nounced. STUTTGART, 5.0—Sce Breslau. 5.30 STUTTGART, 5.0—See Breslau, 5.30 —Records. TURIN, 5.5—Symphony Concert (contd. from 4.0), 5.15—Weather. 5.20—Sports Notes. VIENNA, 5.0—Dance Records. 5.25 —A Competition for Listeners. 5.50—Karl Heinrich Waggerl reads from his own Works, with Introduc-tory Talk by Zernatto. WARSAW, 5.0—Play (Niccodemi). 5.45—Talk.

6 p.m.

BARCELONA, 6.0—Station Orches-tra. 6.30—Part Relay of "Lohen-grin "—Opera (Wagner) from he Gran Teatro del Liceo. BERLIN, 6.0—Mozart Concert (contd. from 5.30). 6.30—Sports Report. 6.40—See Munich. BEROMUNSTER, 6.0—Sports Notes: Records. 6.30—Report from Davos: The International Ice-Hockey Championships. BORDEAUX-LAFAYETTE, 6.30— News.

BRATISLAVA, 6.5-Records. 6.15

BRATISLAVA, 6.5-Records. 6.15 -Reading. BRESLAU, 6.0-Schnelle Ladics' Choir. Conductor: Sträussler. Maria Kindler (Harp) and Käthe Sträussler (Pianoforte). Über den deutschen Strom (Riethmüller). Bekenntnis (Rein). Scholle (Rein), Songs (Hermann): (a) Verlangens (b) Schsucht, (c) Tanz. Song. (Stöhr): (a) Swedish Folk Song,

SUNDAY Jan. 27

6 p.m. (contd.)

- (b) Im Garten des Serails, (c) Die Mittagsfrau. Löns Lieder (Kirch):
 (a) Der Rosenstock, (b) Das Geheimnis. 6.40-See Munich.
 BRUSSELS (No. 1), 6.0-" Trio de Ia Cour" (contd. from 5.0). 6.15-Radio Orchestra. Conductor: Gason. March, "Carmen "(Bizet). Valse au clair de lune (Godard). "Cello and Orchestra: Elégie (Fauré). Songs: (a) Au pays où se fait la guerre (Duparc), (b) Faune (Leemans). Suite, Conte d'avril (Widor). Songs: (a) Aria, "Boris Godunov" (Mussorgsky), (b) The Dreary Steppe (Gretchaninov). Valse triste (Sibelius). Danza fantastica (Turina).
 BRUSSELS (No. 2), 6.0-Moyson
- BRUSSELS (No. 2), 6.0—Moyson Union Celebrations (contd. from 5.0).
- BUDAPEST, 6.0-Male Voice Choir.
- COLOGNE, 6.0—"Paderborner Brot "-Sequence (contd. from 5.45). 6.45—Sports Report. "-Sey 6.45
- DEUTSCHLANDSENDER, 6.0-To be announced. 6.20-Sports Notes. 6.40-Records.
- FRANKFURT, 6.0—Light Music by Franz Hauck's Band. 6.40—See Franz I Munich
- Munich. HAMBURG, 6.0—" Vetter Kirchoff auf St. Pauli "—Radio Film (contd. from 5.35). 6.35—Weather ; Sports Report. 6.45—" Clivia "—Operetta in Three Acts (Dostal) (on Records). Conductor : Maass.
- Conductor: Maass. HILVERSUM, 6.0-Records. 6.15-Coos and Polly Speenhoff in their Repertoire. In the Interval, Music Talk, 6.55-Walis (Violin) and Jong (Organ). Allegro (Handel). Romance (Paganini). Andante from the Fifth Concerto (Wieniawski). Rigaudon (Francoeur-Kreisler). HUIZEN, 6.0-Service and Sacred Music (contd. from 5.0).
- KALUNDBORG, 6.0-News. 6.30-Talk on Internationalism : Schools.
- KÖNIGSBERG, 6.0—Telemann Con-cert (contd. from 5.30). 6.30— Recitations.: 6.40—Winter Sports Report from Garmisch-Partenkir-chen (on Records).
- chen (on Records). LAHTI, 6.0—Saint-Saëns Concert (contd. from 5.30). 6.10—Anja Lagus (Violin). Sonata in G minor (Bach). Dream Pictures (Madetoia). Dance (Madetoia). Rondo (Sibelius). Mazurka (Sibelius). 6.40—Talk. LEIPZIG, 6.0—Report of the Ski-Jumping at Spindlermühle. 6.15— Sports Notes. 6.20—"Jabuka"— Operetta in Three Acts (Strauss). Leipzig Symphony Orchestra and Station Chamber Choir, Conductor: Hilmar Weber.

- Hilmar Weber. MADRID (EAJ7), 6.0—" Lohengrin" (Wagner) (contd. from 4.0). MONTE CENERI, 6.0—Taik: Chiasso. 6.15—French Music on Records. 6.45—News, 6.55—Sports. MORAVSKÁ-OSTRAVA, 6.30— Light Music; Dance Music. MOSCOW (No. 1), 6.0—Vaudeville. MUNICH, 6.0—Records. 6.40— Winter Sports Report from Garmisch-Partenkirchen. OSLO. 6.0—Orchestra (contd, from
- OSLO, 6.0—Orchestra (contd. from 5.30). In the Interval at 6.15, News : De
- PARIS (Poste Parisien), 6.0—Records ; Light Music.
- PARIS (Poste Parisien), 6,0—Records ; Light Music.
 PARIS (PTT), 6,0—Waltz Records. A toi, (Waldtcufel). Strauss-Lanner Waltz Potpourri (Höhm). Griseric (Bosc). Quand l'amour meurt (Crémieux). Waltz (Spoliansky). Donauwellen (Ivanovici). Lake Como (Galos-Gregii). Golden Waltz (Gugo-Norris). 6,30—News.
 PARIS (Radio-Paris), 6,0—Variety. Part I. Ten Preludes (Bach) by Alys Lautemann (Harp). Part II. "L'ami de cercle".—Comedy (Mollet-Vieville). Part II. Marcel Delcroix (Songs).
 PRAGUE, 6,0—News. 6.5.—Records. 6,15.—Reading. 6,30.—Pekárek Orchestra. Operetta Potpourri (Fetrás). 1934 Operetta Potpouri (Fetrás). 1934
- (Fučík)
- RADIO-NORMANDIE, 6.0—Records. ROME, 6.30—Sports Notes; An-nouncements.
- nouncements. SOTTENS, 6.0-Report from Davos : The International kee-Hockey Championships. 6.30-Light Music. Small Radio Lausanne Orchestra. Conductor : Desarzens. Ballet Music, "Lakmé." (Delibes).

Entr'acte and Waltz, "Coppélia" (Delibes). Canto amoroso (Sam-martini - Elmann). Minuet (Beethoven-Kreisler). Rigaudon (Saint-Saäns). 6.50-Sports Notes. STOCKHOLM, 6.0-Evensong. 6.15 -News. 6.30-Choir. Conductor : Nyl

--News. 6.30-Choir. Conductor: Nylander. STRASBOURG, 6.0-Medical Talk. 6.15-Sports Talk. 6.30-Orchestra. Conductor: Roskam. Overture, "Raymond" (Thomas). Inter-mezzo (Tcherepnin). Valse lente (Teherepnin). Cauchemar (Careleu). Waltz (Straus). Selection, "The Bayadere" (Kálmán). La guinguette a fermé ses volets (Montagné). Melody (Mirceille). Xylophone Solo. Franco-American Song Potpourri (arr. Salabert). STUTTGART, 6.0-String Quartet in E Minor (Verdi) by the Kleemann Quartet. 6.30-Sports Report. 6.45----"Undine"---Opera (Lortz-ing). Radio Adaptation by Hans Blum. The Station Choir and Orchestra. Conductor: Drost. TOULOUSE (Radio-Toglouse), 60-

TURIN, 6.15—Sports Results; Records. 6.30—Talk : The Italian Language. 6.50—Announcements; Records.

VIENNA, 6.0—Karl Heinrich Waggerl reads. 6.20 — Announcements. 6.30—Report from Davos : The International Ice-Hockey Champion-

ships. WARSAW, 6.0—Light Music. Station Orchestra. Conductor: Nawrot. March (Stelzig). Waltz on Zeller Themes(Bauckner). Suiteof Modern Dances (Niemann). Romance (Brandt). Matilda (Smith) Waltz, "Sissi" (Kreisler). Petite Suite (Niemann). Paso-doble (Strauss). 6.25—Announcements. 6.45—Pro-gramme Announcements. 6.50— Topical Talk.

7 p.m.

- BARCELONA, 7.0-Opera (contd 6.301
- from 6.30). BERLIN, 7.0—" Munich Beer Fes-tival "—The Karl Witt Original Costume Band; Willy Steiner and the Small Station Orchestra. Otto Willner (Songs and Jodels).
- BEROMÜNSTER, 7.0—Light Music by the Radio Orchestra. Conductor: Neppach. 7.20—Puzzles.
- BORDEAUX LAFAYETTE, 7.45-Sports Talk.

Sports Talk, BRATISLAVA, 7.5—Talk by Dr' Eisner: Archaeological Research in Slovakia. 7.20—Orpheus Man-doline Orchestra. March (Mat-yasovich). Overture, "The Caliph of Bagdad" (Boieldieu). Dance of the Gnoines (Oscheit). Waltz, Donauwellen (Ivanovici). March (Oscheit). 7.50—Reading. BRESLAU, 7.0.—"Wochenend das ganze Jahr".—Musical Falry Play (Schauder). BRNO, 7.5—Legal Talk. BRUSSELS (No. 1), 7.0—Radio Or-

BRUSSELS (No. 1), 7.0—Radio Or-chestra (contd. from 6.15). 7.15— Religious Address, 7.30—Musio Talk.

Talk. BRUSSELS (No. 2), 7.0—Moyson Union Celebrations (contd. from 5.0). 7.15—Religious Address. 7.30 —Music Review. BUDAPEST, 7.0—Operetta Music. Budapest Opera House, Orchestra. Conductor : Fridl.

- COLOGNE, 7.0—" The Love Duel" —Operetta Character Sequence (Domhoff). Station Orchestra and Choir. Conductor : Kühn.

DEUTSCHLANDSENDER, 7.0-Records

Records. FRANKFURT, 7.0 — See Munich 7.15—Concert from the Saalbau. Station Orchestra. Conductor: Rosbaud. Ria Ginster (Soprano). Cantata for Soprano and Orchestra, Jauchzet Gott in allen Landen (Bach). Firework Music (Handel). HAMBURG, 7.0—"Clivia" — Oper-etta (Dostal) contd. from 6.45):

HILVERSUM, 7.0.—Violin and Organ (contd. from 6.55). 7.10—Records. 7.40—Time; News. 7.55—Mozart Concert. The A.V.R.O. Orchestra. Conductor: Treep. Geza Frid (Pianoforte). Symphony in E flat. Pianoforte Concerto.

HUIZEN, 7.0-Service and Sacred Music (contd. from 5.0). 7.25-Football Results. 7.30-Talk. 7.50 -News, 7.55-K.R.O. Orchestra. Conductor ; Gerritsen. March

WORLD-RADIO

(Kriens). Selection, "Frederica" (Lehár). Dorfschwalben aus Oes-terreich (Strauss). JUAN-LES-PINS (Radio Côte d'Azur), 7.15—Concert. Pot-pourri, Fortissimo (Kálnuán). Selec-tion, "Cavalleria Rusticana" (Mascagni). 7.30—Roman Catholic Service.

Mascagni), 7.30—Roman Catholic Service.
KALUNDBORG, 7.0—Chimes. 7.2
— "The Hansen Fanily "—Humorous Sketch (Locher). 7.15—Records: Für Elise (Beethoven). by Arthur Schnabel (Pianoforte). 7.20
— A Visit to a Student Settlement. 7.50—Danish Music by the Radio Orchestra. Conductor: Gröndahl. Otto Fessel (Violin). Overture "William Shakespeare" (Kuhlau). Andante con moto from the Symphony in B flat (Gade). Prelude (Hartmann). Romance for Violin and Orchestra (Lange-Müller). Waltz, "The Little Mermaid" (Henriques). Prelude, "Saul and David" (NielsBERG, 7.0—"60 kW"—

KÖNIGSBERG, 7.0—"60 kW"— Sequence, with the Börschel Dance Band.

LAHTI, 7.0—Light Music by the Station Orchestra. 7.45—News in Finnish.

LEIPZIG, 7.0—"Jabuka" — Operation (Contended of the second second

etta (Strauss) (contd. from 6.20). MADRID (EAJ7), 7.0-Dance Music-MONTE CENERI, 7.0-Schubert-Wolf and Debussy Songs by Grad-mann-Lüscher (Soprano). Lieder (Schubert): (a) Die Liebesbot-schaft, (b) Da droben auf jenem-Berge, (c) Rastlose Liebe. Lieder (Wolf): (a) Im Frühling, (b) Heim-weh, (c) Auf einer Wanderung. Songs (Debussy): (a) Rondel, (b) Romance, (c) Fantoches. 7.30-Humorous Programme. MORAVSKA-OSTRAVA, 7.0 - Lit-

- MORAVSKÅ-OSTRAVA, 7.0 Lit-erary Talk : Baudelaire. 7.10— Poems (Baudelaire). MOSCOW (No. 1), 7.0—" The Pro-posal "—Play (Tchekov).
- MUNICH, 7.0–Weather; Sports Report, 7.10–Variety, The Small Station Orchestra, Conductor: Kloss, the Radio Schrammel Quar-tet and Soloists.
- OSLO, 7.0-Orchestra (contd. from 5.30). 7.30-For Young People. PARIS (Poste Parisien), 7.10-Sports
- Actis (roste Paristen), 7.10—Sports Notes. 7.20—Records. 7.30— Amusement Guide. 7.33—Records : Harp Fantasia (Saint-Saëns). Sici-lienne (Fauré), Tarantella (Popper). 7.50—Records.
- 7.50—Records.
 PARIS (PTT), 7.45—Notes for Exservicemen. 7.53—Talk: Wine.
 PARIS (Radio-Paris), 7.0—Radio-Paris Guignol: "La fortune de cherche d'or" (Crozière), by Bilboquet and Company. Humorous Items in the Intervals. 7.30—Topical Talk.
 PRACUE 7.0 Orchestra (coold

PRAGUE, 7.0 — Orchestra (contd. from 6.30). 7.5—Announcements. 7.20—" Uhcle Kropal at a Ball "— Comedy in Moravian Dialect. RADIO - NORMANDIE, 7.0— Variety.

REYKJAVIK, 7.45-For Children. ROME, 7.30-Time; News; Re-

ROME, 7.30—Time; News; Records.
SOTTENS, 7.0—Recitations by Yette Perin-Gayrhos, 7.15—Spanish Music.
Bosch y Pagès (Harp). Voice and Harp: (a) Serranilla (Milan), (b) Copia soldadesca (Pedrell), (c) Granadas, (e) Cradle Song, Mana (Falla). Harp: Pastorale (Bellota-Turina). Voice and Harp: (a) Er puntcado (Granados), (b) Majo timido (Granados), (c) Cradle Song, Mana (Falla). Harp: Petite fantasle (Serra). Voice and Harp: Canzo de Port (Serra).
STOCKHOLM, 7.0—"The Lucky Choice "—Play (Kjaer).
STRASBOURG, 7.0 — Orchestra (contd. from 6.30), 7.30—News; Lottery Results. 7.45—Records.
STUTTGART, 7.0 — "Undine"—Opera (Lortzing) (contd. from 6.45).
TOULOUSE (Radio-Toulous), 7.0—Symphony Orchestra (contd. from 6.45).
TOULOUSE (Maio-Tuduos), "Louis XIV" (Parès-Prys) "A la belle bergère" (Mireille), "Les soeurs Hortensias" (Moretil), "Le printensy chante" (Verdun), 7.30—News; 7.45—Miltiary Music.
TURIN, 7.30—Time; News; Records.

cords VIENNA, 7.0-Emil Schipper (Bari-

HENNA, 7.0—Emil Schipper (Bari-tone, Aria, "Prince Igor" (Boro-din). Lieder (Schubert): (a) Halt ! (b). Die Liebe hat gelogen, (c) Die Post. Lieder (Wolf): (a) Biterolf, (b) Liebesglüčk. Lieder Trunk): (a) Ein Brief, (b) Unter Blüten. -Wieder möcht ich dir begegnen

(Liszt). John Anderson, my Jo' (Jensen). Aria from "Hans Heiling' (Marschner). 7.30—Motto. 7.35— "Moisasurs Zauberfluch" — Folk Play (Ferdinand Raimund), with In-cidental Music by Paul Mestrozzi. WARSAW, 7.0-Variety, 7.30-News. 7.40-Talk : Work in Poland, 7.45 -Talk on the 8.0 Transmission.

8 p.m.

- ATHLONE, 8.30—Time. 8.31—Kar Lenzen (Pianoforte). BARCELONA, 8.0—Records. BERLIN, 8.0—Marches and Fanfares on Records. In the Interval : Report of the Sixth International Riding and Driving Tournament, 1935. 8.30—See Hamburg.
- BEROMÜNSTER, 8.0—News. 8.10— Sacred Music from Basle Cathedral. Adolf Hamm (Organ) and Lisa Minghetti (Violin).
 BORDEAUX-LAFAYETTE, 8.0— Lottery Results. 8.5—Records.
- Lottery Results. 8.5—Record 8.35—"Le pays du bonheur"-Operetta in Two Acts (Béranger).

- Operetta in Two Acts (Béranger). BRESLAU, 8.0—Musical Fairy Play (Schouder) (contd. from 7.0). 8.30—See Hamburg. BRNO, 8.5—Male Voice Choir; Station Orchestra. Conductor: Steinmann. St. Cyril and Metho-dius Cantata (Krizkovsky). Tramps (Vycpałek). Na Solani cartak (Janacek).
- cartak (Janacek). BRUSSELS (No. 1), 8.0—François Rasse Concert for the Anniversary of the Composer's Birth. Selection, "Le Maître à danser," Suite mélodique. 8.25—Charlier (Mono-logues). 8.30—Symphony Orches-tra. Petite suite (Debussy). Pávánc (Ravel). 8.45—Charlier (Mono-logues). 8.50—Fantasia for Violin on "Carmen" (Bizet-Sarasate) on Records. Records
- Records. BRUSSELS (No. 2), 8.0-Orchestra and Violin. Conductor: Douliez. Edouard Perari (Songs), François Gilman (Flute). Overture, "Le Muletier" (Hérold). Künstler-leben (Strauss). Ballet Music "Lakmé" (Delibes). Neapolitan Song, Marechiare (Tosti). By Land and Sea (Noack). Sérénade vénitienne (Fourdrain). Flute Solo: Souvenir à Spa (Meurice). Violin Solo: La Gitane (Kreisler). March Potpourri (Woitschbach). 8.45--Recitations (Kyber) by Mmc. Schluchter. hter
- BUDAPEST, 8.0—Operetta Music (contd. from 7.0). 8.30—News; Sports and Racing Notes. 8.50— Rezso Horváth Cigány Band.
- COLOGNE, 8.0—"The Love Duel" —Sequence (contd. from 7.0). 8.30 —See Hamburg.
- -See Hamburg. DEUTSCHLANDSENDER, 8.0-Re-cords. 8.30-See Hamburg. FRANKFURT, 8.0-" Love "--Sequence (Schaaf). 8.30-See Ham-
- hurz
- burg. HAMBURG, 8.0—" Clivia "—Oper-etta (Dostal) (contd. from 6.45.) 8.30—Station Synphony Orchestra. Conductor: Masz. Luise Willer (Contralto). Contralto, String Instruments and Pianoforte : Rhap-sody, Schnsucht an das Meer (Graenze)—the Composer conduct-ing. Contralto and Orchestra : Hymnus der Liebe (Reger).
- Hymnus der Liebe (Reger). HILVERSUM, 8.0-Mozart Concert (contd. from 7.55). 8.45-News. 8.55-An English Smile-Pro-gramme by Pierra Palla (Organ) and Topy Glorum (Songs). Rhapsody (Sims). I saw Stars (Sigler). Smoke gets in yout Eyes (Kern). Two Hearts on a Tree. Stars fell on Alabama. Two Cigarettes in the Dark (Pollack). The Carioca (You-mans). Traffic Robots (Atkins). Popular Tunes. HUIZEN, 8.0-Orchestra (contd. from
- Popular Tunes. HUIZEN, 8.0—Orchestra (contd. from 7.55). 8.25—"The Wagon's Fifth Wheel "—Play (Ballings) by the "Haaghsche Spelers." 8.55— Mačstricht Municipal Orchestra. Conductor: Hermans. Frank Titterton (Teaor). Overture, "Lo-hengrin" (Wagner). Walter's Prize Song (Wagner). Scherzo (Berlioz). Air, "The Queen of Sheba" (Gounod). March, "Henry VIII" (Saint-Saëns). Songs: (a) Drink to me only with thine eyes (Callcott). (b) Hindu Song (Irmsky-Korsakov), (c) Erlkönig (Schubert), (d) 'Love went a-riding (Bridge). JUAN-LES-PINS (Radio Côte d'Azur).
- JUAN-LES-PINS (Radio Côte d'Azur), JUAN-LES-PINS (Radio Côte d'Azur),
 -8.0-News; Sports. 8.10 Operetta Music. Selection, "Rose Marie" (Friml-Stothart), "A Waltz Drean " (Straus). 8.30-Variety.
 KALUNDBORG, 8.0-Danish Music (contd. from 7.50). 8.40-Swedish and Finnish Songs by Holger Bruusgaard.

KÖNIGSBERG, 8.0-" 60 kW"-Sequence (contd. from 7.0), 8.30-

kÖNIGSBERG, 8.0—"60 kW"— Sequence (contd. from 7.0), 8.30— Sec Hamburg. LAHTI, 8.0—News in Swedish. LEIPZIG, 8.0—"1 Jabuka"—Operetta Kitrauss) (contd. from 6.20), 8.30— See Hamburg. MONTE CENERI, 8.0—Orchestra. Overture, "Light Cavalry" (Suppé). Waltz, Manola (Waldteufcl). Sound Waves (Mannfred). Gipsy Waltz, Fascination (Marchetti). Selection, "Die Fledermaus" (Strauss). MOSCOW (No. 1), 8.0—German Programme.

- MUNICH, 8.0—Variety (contd. from 7.10). 8.30—See Hanburg. OSLO, 8.0—For Young People. 8.40—News.
- 8.40-News. PARIS (Poste Parisien), 8.0-Inter-lude. 8.15-Modern Poems. 8.45lude. 8.13-Product and Interlude. PARIS (PTT), 8.0-Records, The Blue Danube (Strauss). Dinestre (Bixio). Hilo Hanakahi (King) Comme une femme (Delettre). Moorish Song (Coslow). J'ai tout quitté (Dujos). 8.30-Dramatie Programme: (a) "La bague au doigt "-One-Act Comedy (Mau-rette), (b) "Le voile déchiré"--Play in Two Acts (Pierre Wolff). (c) "Un mariage par procuration "-Play in

in Two Acts (Pierre 1, 0, ..., Play in mariage par procuration "-Play in One Act (Octave Bernard).

PARIS (Radio-Paris), 8.0—" La belle Hélène "—Operetta in Three Acts (Offenbach). Conductor : Labis. In the Interval at 8.30—News.

PRAGUE, 8.0—Comedy (contd. from 7.20). 8.5—See Brno. RADIO-NORMANDIE, 8.0—Variety.

ADIO-NORMANDIE, 8.0-variety. S.15-News; Sports Notes, 8.30-Opera and Operetta Music. Air, "Les noces de Jeannette "(Massé). Peer Gynt Suite (Grieg). Extract, "Nina Rosa" (Romberg). Selec-tion, "Der Bettelstudent" (Mil-löcker). Extracts, "Paganini" (Lehár), "Good News" (Svlva-

"Nina Rosa (Rolladent") (Mit-tion, "Der Bettelstudent" (Mit-löcker). Extracts, "Paganini" (Lehår), "Good News" (Sylva-Brown), and "Rip van Winkle" (Planquette). REYKJAVIK, 8.0—For Children. 8.10 —Weather, 8.20—Sacred Music. 8.50—Announcements.

ROME, 8.0—See Turin. SOTTENS, 8.0—See Turin. SorttENS, 8.0—Spanish Music (contd. from 7.15). 8.15—News. 8.25—Radio Suise Romande Or-chestra. Conductor : Echenard.

chestra. Conductor : Echenard. STOCKHOLM, 8.0-Play (Kjaer) (contd. from 7.0). 8.15-Swedish Music. Sven Lagergren (Songs), Garaguly (Violin) and Kjellberg (Pianoforte). Songs (Söderman): (a) Im wunderschönen Monat Mai, (b) Deine weissen Lilientinger. Songs (Sjögren): (a) Dream, (b) Serenade. Violin and Pianoforte : In modo barocco' (Rangström). Songs (Peterson-Berger), (a) Venice, (b) Musik bewegt mich, (c) Song. STRASBOURG. 80-News in Ger-

(b) Musik bewegt mich, (c) Song. STRASBOURG, 80—News in German. 8.30—See Paris (PTT). STUTTGART, 8.0 — "Undine"— Opera (Lortzing) (contd. from 6.45). 8.30—See Haniburg. TOULOUSE (Padio-Toulouse), 8.0— Military Music. 8.15—Light Music. 8.30—Solos.

8.30—Solos.
TURIN, 8.0—"Nero"—Opera in Three Acts (Mascagni) from the Scala, Milan.
VIENNA, 8.0—"Moisasur: Zauber-fluch," — (Ferdinand Raimund) (contd. from 7.35). In the Interval at 8.30 News.
WARSAW, 8.0—See Turin. In the Intervals: Talk: Nero in Literature; Sports Notes; Weather and Aviation Notes.

9 p.m.

ATHLONE, 9.0—Station Oichestra; Wilma Berkeley (Soprano); Leslie Jones (Baritone); Hargreaves (Tenor). BARCELONA, 9.0—Chimes; Re-

BERLIN, 9.0—See 8.30 Hamburg. 9.5—News; Sports Notes. 9.20— See Munich. 9.45—See Frankfurt. BEROMÜNSTER, 9.0-Sacred Music (contd. from 8.10). 9.15-Sports

BEROMÜNSTER, 9.0—Sacred Music (contd. from 8.10). 9.15—Sports Report.
BORDEAUX-LAFAYETTE, 9.0 — "Le pays du bonheur "—Operetta (Béranger) (contd. from 8.35).
BRATISLAVA, 9.20—News ; Sports Notes and Review of Foreign Affairs in Hungarian. 9.35—Cigány Band.

Band. BRESLAU, 9.0—See 8.30 Hamburg. 9.5—Time; News. 9.20—Seo Munich. 9.35—Station Dance Band. Conductor: Ilgner. BRNO, 9.30—Dance Music.

BRUSSELS (No. 1), 9.0-Charlier (Monologues). 9.5-Extracts, "Au pays de roses "-Operetta (Archau-beau). Conductor : Douliez.

9 p.m. (contd.)

BRUSSELS (No. 2), 9.0—Tchaikovsky Concert. 1812, Overture. The Nutcracker Suite. Selection, "The Sleeping Beauty." Marche slaye. BUDAPEST, 9.0—Rezso Horväth

- BUDAPEST, 9.0—Rezso Horvath Cigany Band. COLOGNE, 9.0—See 8.30 Hamburg. 9.5—News. 9.20—See Munich. 9.35—See Deutschlandsender. 9.45 —Light Music. Leo Eysoldt's Orchestra. Station Schrammel Quartet. The Rhine Song-Trio. Willy Schneider (Bass-Baritone).
- **EEUTSCHLANDSENDER**, 9.0—See 8:30 Hamburg. 9:5-News; Sports Notes. 9:20-See Munich. 9:35-Report of the Sixth International Riding and Driving Tournament, 1935. 9:45-Weather.
- FANKFURT, 9.0—Time; News.
 9.15—Local News; Sports Report.
 9.20—See Munich. 9.35—See
 Deutschlandsender. 9.45 (approx.)
 Dance Music. Franz Hauck Band
- HAMBURG, 9.0—Orchestra (contd. from 8.30). 9.5—News. 9.20— See Munich. 9.35—See Deutsch-landsender. 9.40—Station Dance Band, Conductor : Bolt. Stettin Concert Orchestra. Conductor : Plato.
- HILVERSUM, 9.0—Organ and Songs (contd. from 8.55). 9.25—Records. 9.40—Act III, "Nero"—Opera (Mascagni), from the Scala, Milan.
- KUIZEN, 9.0—Orchestra and Frank Titterton (contd. from 8.55). In the Interval at 9.30: Records. 9.50—Records.
- b.e. Interval at 9,30°. Records.
 9,50.-Records.
 JUANLES-PINS (Radio Côte d'Azur), 9,0.-News. 9,15-Orchestra.
 Minuet (Boccherini). Suite, Les millions d'Arlequin (Drigo). Pa-trouille (Popy). Turkish Patrol (Michaelis). 9,30-Request Pro-gramme.
 KALUNDBORG, 9,0-News. 9,10-"Folk Music of Many Lands"-Radio Orchestra. Conductor: Gröndahl. Molly on the Shore (Grainger). Upper Bavarian Folk Dance (Lanner). Serbian Folk Music (arr. Ludolf Nielsen). Fan-tasia on Russian Folk Melodies, Kamarinskaya (Glinka). Esthonian Folk Melodies (arr. Gröndahl). Polka (Mraczek).

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KÖNIGSBERG, 9.0—See 8.30 Ham-burg. 9.5—News; Sports Report. 9.20—See Munich. 9.40—See Hamburg.

LEIPZIG, 9.0—News; Sports Notes. 9.20-See Munich. 9.35-See Deutsch-landsender. 9.45—See 9.35 Brestan.

- Iau.
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- OSLO, 9.0-Topical Talk. 9.15-Sports. 9.30-Dance Records. PARIS (Poste Parisien), 9.0-Music-hall Programme.
- PARIS (PTT), 9.0—Dramatic Pro-gramme (contd. from 8.30). PARIS (Radio-Paris), 9.0—"La belle Hélène" (Offenbach) (contd. from 8.0). In the Interval at 9.15 : News ;
- PRAGUE, 9.0—Time; News. 9.20 —Record. 9.25—News in German. 9.30—See Brno.
- RADIO-NORMANDIE, 9.0-Opera and Operetta Music (contd. from 8.30), 9.30—Dance Music, 9.45— Light Music.
- REYKJAVIK, 9.0-Time ; News. 9.30

- KOME, 9.0-See 8.0 Turin, SOTTENS, 9.0-Orchestra (contd. from 8.25), 9.10-Sports Notes. 9.30-9.50-Report from Davos; The Finals of the International Ice-Hockey Championships. STOCKHOLM, 9.0-Budapest Quar-tet. String Quartet in A minor (Schubert). String Quartet in D (Haydn).
- STRASBOURG, 9.0-See 8.30 Paris
- (PTI). STUTTGART, 9.0—Time; News; Sports Report. 9.20—See Munich. 9.35—See Breslau.

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WORLD-RADIO

Concert version, "Lakme "-Opera (Delibes). **TURIN**, 9.0-" Nero "-Opera (Mas-cagni) (contd. from 8.0). VIENNA, 9.0-Moisasurs Zauberfluch (Ferdinand Raimund) (contd. from 7.35) 9.20-Report of the Dach-stein Cup Ski-Jumping Competition. WARSAW, 9.0-See 8.0 Turin.

10 p.m.

ATHLONE, 10.0—Sports Talk by S. O'Ceallachain. 10.15—Play— presented by D. P. Mitchell and

BARCELONA, 10.0—Vicente Diez BARCELONA, 10.45— Tejada reads Records. de Che

- Chess.
 BERLIN, 10.0—See Frankfurt.
 BORDEAUX LAFAYETTE, 10.0— Amusement Guide.
 BRESLAU, 10.0—Station Dance Band.
 BRUSSELS (No. 1), 10.0—News.
 10.40—Uaslie Bennet Dance Band from the Magic Palace, Antwerp.
 BRUSSELS (No. 2), 10.0—News.
 10.10—Leslie Bennet Dance Band from the Magic Palace, Antwerp.
 BRUSSELS (No. 2), 0.0—News.
 10.10—Leslie Bennet Dance Band from the Magic Palace, Antwerp.
- from the Magic Palace, Antwerp. BUDAPEST, 10.0-Bachmann Quin-tet from the Keszey Restaurant. Waltz Potpourri (Robrecht), Pieces (Grieg): (a) Leh liebe Dich, (b) Erotica, Träumerei (Erkel), Song (Kapeller), Mona Lisa (Schebek), Selection, "Knight John" (Kacsóh), COLOGNE, 10.0-Light Music (cooid from 945)
- (contd. from 9.45). DEUTSCHLANDSENDER, 10.0 —

- DÉUTSCHLANDSENDER, 10.0 See Hamburg. FRANKFURT, 10.0 Dance Music. Franz Hanck Band. HAMBURG, 10.0 Dance Band and Orchestra (contd. from 9.40). HILVERSUM, 10.0 Act III, "Nero" Opera (Mascagni) (contd. from 9.40). 10.55 News. HUIZEN, 10.0 Records. 10.10– News. 10.15 Records. 10.20– Epilogue by the Small Choir. Conductor: Pickkers. JUAN-LES-PINS (Radio Côte d'Azur), 10.0 Requist Programme. 10.30– Variety. KALUNDBORG, 10.0 Dance Music. KÖNIGSBERG, 10.0 See 9.40 Ham-
- KÖNIGSBERG, 10.0-See 9,40 Ham-
- LEIPZIG, 10.0—See Breslau. MADRID (EAJ7), 10.0—Flamenco

Songs. Interlude by Ramón Gómez de la Serna. MOSCOW (No. 1), 10.5—German Talk: Communist Youth in the

- Factory, I.O.—See 9.45 Cologne.
 OSLO, 10.0-10.30—Dance Records.
 PARIS (Poste Parisien), 10.0—Music Hall Programme (contd. from 9.0).
 10.30—Records; Light Music.
 PARIS (PTT), 10.0—Dramatic Programme (contd. from 8.30).
 10.30—News; Adison Dance Band.
 PARIS(Radio-Paris), 10.0—'La belle Hélène'' (Offenbach) (contd. from 8.0).
 10.30—Dance Music. Bailly Band.

- Band. RADIO-NORMANDIE, 10.0-Dance
- Music. 10.30—Light Music. REYKJAVIK, 10.0—Bach Records : (a) Brandenburg Concerto in F, (b) Passacaglia in C minor. Dance

- (b) Passacaglia in C minor. Dance Music.
 ROME, 10.0-See 8.0 Turin.
 STRASBOURG, 10.0-See 8.30 Paris (PTT). 10.30-Sports Notes; News. 10.40-Dance Music.
 STUTTGART, 10.0-See Breslau.
 TOULOUSE (Radio-Toulouse), 10.0-"Au caveau de dix heures"-Fantasy. 10.15-North African News, 10.30-Waltzes and Tangos.
 TURIN, 10.0-"Nero"-Opera (Mas-cagni) (contd. from 8.0).
 VIENNA, 10.0-" Der Geburtstag der Infantin" (Schrecker) on Re-cords. 10.20-Dance Music.
 WARSAW, 10.0-See 8.0 Turin.

11 p.m.

- ATHLONE, 11.0-Time; News; ATHEORE, 11.0—Time; Flows; Weather.
 BRESSLAU, 11.0—Station Dance Band.
 BRUSSELS (No. 1), 11.0—Dance Music (contd. from 10.40).
 BRUSSELS (No. 2), 11.0—Dance Band (contd. from 10.10).
 BUDAPEST, 11.0—Quintet (contd. from 10.0).
 BUDAPEST, 11.0—Light Music (contd. from 45).

- From 9.45).
 FRANKFURT, 11.0—Mozart Anniversary Concert (on Records).
 Laudate dominum. Ave verum.
 Larghetto from the Quintet in A.
 Arias, (a) "Don Giovanni," (b)
 "The Magic Flute," (c) "Il Seraglio" (d) "Cosi fan tutte." Ballet
 Music, "Les petits riens." Extract
 from Serenade No. 10. Pianoforte
 Concerto in D minor. The Haffner
 Symphony. Symphony

SUNDAY Jan. 27

- HILVERSUM, 11.0-Dance Music by the Kovacs Lajos Orchestra. JUAN-LES-PINS (Radio Côte d'Azur),
- KALUNDBORG, 11.0-Chimes. 11.2
- KALUNDBORG, 11.0—Chimes. 11.2 —Dance Music.
 LEIPZIG, 11.0—See Breslau.
 MADRID (EAJ7), 11.0—Dance Music.
 PARIS (Poste Parisien), 11.0—Records; Light Music.
 PARIS (PTT), 11.0—Adison Dance Band
- Band. PARIS (Radio-Paris), 11.0-Dance
- Music
- Music. RADIO-NORMANDIE, 11.0—Re-cords. 11.30—Dance Music. REYKJAVIK, 11.0—Dance Music. STRASBOURG, 11.0—Dance Music. STUTTGART, 11.0—See Frankfurt. TOULOUSE (Radio-Toulouse), 11.5— Orchestra. 11.15 Sound-Film Music. 11.30—Viennese Orchestra. Hungarian Potpourri. Tell me Tonight (Spoliansky). September (Rogé). Les premières hirondelles (Gungl). 11.50—Songs. VIENNA. 11.0—Dance Music.
- VIENNA, 11.0-Dance Music.

12 midnight

- 12 midnight FRANKFURT, 12.0—Mozart Concert (contd. from 11.0). MADRID (EAJ7), 12.0—Chimes. RADIO-NORMANDIE, 12.0—Dance Music, 12.15—Sound-Film Music, 12.45—Dance Music, REYKJAVIK, 12.0—Dance Music, STUTTGART, 12.0—See Frankfurt, TOULOUSE (Radio-Toulouse), 12.0— News. 12.5—Opera Music, Arias, "Griséldis" (Massenet) and "Lohengrin" (Wagner), Trio, "Faust" (Gound), Aria, "The Damnation of Faust" (Berlioz), 12.15-12.30—Symphony Orchestra, Ballet from Petite Suite (Debussy), Marche militaire from Suite algéri-enne (Saint-Saěns), Selection, "Das Nachtlager in Granada" (Kreutzer).

1 a.m. (Monday)

RADIO-NORMANDIE, 1.0 - News. 1.10-Dance Music.

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[39

-Reading. ROME, 9.0-See 8.0 Turin,

tra from Hanover Castle. Con-ductor: von Sosen. Patsche (Bass). Overture, "Fra Diavolo" (Auber). Cavatina (Raff). Ballads (Loewe): (a) Tom der Reimer, (b) Prinz Eugen. Old Hanover Guards' March (Joh. Chr. Bach). Königin Polka (Raff). Selection, "Martha" (Flotow). Bass: (a) Falstaff's Aria, "The Merry Wives of Windsor" (Nicolai), Song, "La poupée" (Audran). Chantilly (Waldeutel). Gallop (Ocrtel). HILVERSUM, 10.0-Records. 10.10 -Lismonde Orchestra. 10.40-Feike Asma (Organ); Tilia Heeroma (Songs).

HUIZEN, 10.10 - Religious Pro-

gramme. KÖNIGSBERG, 10.0—News. 10.10-10.20—Weather. 10.30—See Ham-

burg. LEIPZIG, 10.0 — Announcements; Records. 10.30—News. MUNICH, 10.5—Markets; News; For Farmers. OSLO, 10.15—Service. 10.50— Exchange

OSLO, 10.15—Service, 10.30— Exchange.
 PRAGUE, 10.0—Records, 10.5— Military Band, 10.55—For Farmers.
 STUTTGART, 10.0—Chamber Music (contd. from 9.45), 10.15— Announcements; Records, 10.45— For Farmers.
 TURIN, 10.30—Azzurra Orchestra.
 VIENNA, 10.30—Records: Tyrolese Music.

11 a.m. BERLIN, 11.0 — Announcements. 11.20—See 10.30 Hamburg.

BEROMÜNSTER, 11.0 – Macioce Orchestra. In the Interval at 11.30 : Naus

BUDAPEST, 11.0—Chimes. 11.5— Songs. 11.30—News. COLOGNE, 11.0—Announcements. 11.30—See 10.30 Hamburg. DEUTSCHLANDSENDER, 11.0— See Stutterert

DEUISCHLANDSENDER, 11.0-See Stuttgart. FRANKFURT, 11.0-See Stuttgart. HAMBURG, 11.0-Announcements. 11.20-Symphony Orchestra (contd. from 10.30). HILVERSUM, 11.0-Feike Asma (Organ); Tilia Heeroma (Songs). 11.40-Rembrandt Theatre Orches-tra. Conductor : Hartogs. In the Interval : Records.

BRESLAU, 11.0—See Stuttgart.

gramme

Music.

5.45 Brussels No. I: 'Cello, pianoforte

REGIONAL

- REGIONAL Time Signals : Big Ben.-10.15 a.m., 5.15 p.m., 6.30 p.m., 12 midnight. Greenwich.-10.30 a.m., 2.0 p.m., 6.0 p.m., before the Second News (normally 10.0), 11.30 p.m. 10.15-10.45 a.m. (except Midland)--Draitwich.

- 3.25 (North, West)—See Regional, 3.0.
 4.0—The Hungaria Gipsy Band.
 4.45—Betty Lesslie (Soprano); Dorothy Godfrey (Violoncello).
 5.15—The Children's Hour.
 6.0—"The First News."
 6.30 (Regional, Midland, Scottish)— Midland Orchestra.
 6.30 (Northern)—Cinema Organ.
 6.30 (Western)—Shotton Welsh Glee Choir. Haydn Carrington (Tenor).
 6.30 (N. Ireland)—Ballad Concert.
 7.15—The B.B.C. Dance Orchestra.
 8.0—Famous Trials—5: "The Triat of Lady Alice Lisle" on a charge of high treason.
 9.0 (Regional, Northern, N. Ireland)— Music of Eric Coates: Dora Labbette (Soprano). B.B.C. Theatre Orchestra, conducted by the Com-poser.
 9.0 (Midland)—Wirelese Sincere

- KALUNDBORG, 11.2-Nielsen String Ensemble LEIPZIG, 11.0—Concert. MONTE CENERI, 11.0—Announce-ments. 11.5—Records. 11.33— Dance Records. 11.55—News.

HUIZEN, 11.0-Religious Programme (contd. from 10.10). 11.10-Re-cords. 11.40-Police Notes; Re-

NATIONAL

Time Signals : Big Ben.—10.15 a.m., 5.15 p.m., 6.30 p.m., 12 midnight. Greenwich.—10.30 a.m., 2.0 p.m., 6.0 p.m., at the beginning of the Second News (normally 9.30 p.m.), 14.300 p.m.),

- MUNICH, 11.0—Records. PRAGUE, 11.0—For Farmers. 11. —Records. 11.25—News. 11.35 Orchestra. 11.10
- SOTTENS, 11.30—News. 11.40— Radio-Lausanne 'Orchestra. Con-ductor : Moser.
- STUTTGART, 11.0-Pforzheim Sym-phony Orchestra. Conductor: phony Leger.
- Leger. TURIN, 11.0—Azzurra Orchestra. 11.30—Records. 11.45—News. VIENNA, 11.0—Vienna Symphony Orchestra. Conductor: Holzer. Salzmann ('Celio), Hansy Haumer (Harp); Rosner (Violin). WARSAW, 11.5—News. Kwiecinski Orchestra.

12 noon

BERLIN, / 12.0—Midday Echoes. 12.15—Records

12.15—Records BEROMÜNSTER, 12.0—Macioce's Orchestra. 12.25—Exchange. BRESLAU, 12.0—See 11.0 Stuttgart. In the Interval at 12.15 : News.

In the Interval at 12.15 : News. BRUSSELS (No. 1), 12.0—Planquette Records. 12.30—Orchestra. Ferari (Violin). March (Sousa). Overture, "Zampa" (Hérold). Sclection, "La Fille de Madame Angot" (Lecocq). A Fête in Aranjuez (Demersseman). BRUSSELS (No. 2), 12.0—Records. 12.30—Radio Orchestra. Conduc-tor : André. Joyeuse marche (Chabrier). Marquisette (Macs). Selection, "In einem kleine Café" (Benatzky). Slovak Dances (Felber). BUDAPEST. 12.20—Weather. 12.30

BUDAPEST, 12.20-Weather, 12.30 -Losonzzi-Schweitzer Orchestra. COLOGNE, 12.0-News; Greetings, 12.15-"Once upon a time ...,"

-Records. DEUTSCHLANDSENDER, 12.0 -Announcements. 12.15-See 11.0 Stuttgart. FRANKFURT, 12.0-News. 12.15-See: 11.0 Stuttgart.

- -Dance Cookerv.
 - MUNICH, 12.0—Records. 12.15— News. 12.25—Adolf Spies Concert. Station Orchestra. Conductor : Kloss.
 - OSLO, 12.0--Records. In the Interval: For Farmers. 12.45 E change.
 - PARIS (Poste Parisien), 12.0--Ex-change. 12.5-Light Music. Station Orchestra. 12.25-An Interview.
 - Orchestra. 12.25 An Interview. PARIS (PTT), 12.0–Tourist Talk. 12.15–Orchestra. Guy Soudieus (Tenor). Overture, "Les dragons de Villars" (Maillart). Waltz "Dance of the Dragonfies" (Le-hár). Ballet russe (Luigini). Boite à musique (de Sévérac). Stephanie Gavotte (Czibulka). Songs: (a) Viens par le pré, (b) L'Antoine, (c) Malheureux qui a une fennme, (d) Les faucheurs. Ballet, "The Prophet" (Meyerbeer). Selection, "Rose Marie" (Friml). 'Cello and Orchestra: Lebaiser d'Eunice (Nou-gués). Suite, Jabots et dentelles (Cuvillier). Overture, "Le châlet" (Adam). PARIS (Radio-Paris), 12.0–Pascal
 - PARIS (Radio-Paris), 12.0-Pascal Orchestra.
 - PRAGUE, 12.0—Orchestra. 12.3. Labour Exchange. 12.45—Recor 12.55—Exchange. 12 35-

- Second News (normally 9.30 p.m.), 11.30 p.m. 10.15 a.m. (Droitwich)—Service. 10.30 (Droitwich)—Weather Forecast. 10.45—Tales of a Scientist? Allan Ferguson, D.Sc. 11.0 (except Scottish)—To the Un-employed: Question Time. A Service of Information. Richard Clements. (normally 10.0), 11.30 p.m.
 (10.15-10.45 a.m. (except Midland)— Droitwich.
 10.45-Cinema Organ (Tom Jenkins).
 11.15-B.B.C. Northern Orchestra. Winifred Roebuck (Violin).
 12.30 p.m.-Haydn Heard's Band.
 1.30-Records: Light Instrumental.
 2.0 (except ,Scottish)—Arthur Salisbury and his Orchestra.
 2.0 (Scottish)—Records.
 2.25 (Scottish)—Records.
 2.50 (Scottish)—Records.
 3.0 (Regional, Midland, N. Ireland)— Belfast Wireless Orchestra. Elicen Mason (Soprano).
 3.5 (North, West)—For Schools.
 3.10 (Scottish)—For Schools.
 3.10 (Scottish)—For Schools.
 3.10 (Scottish)—For Schools.
 3.25 (North, West)—See Regional, 3.0.
 4.0-The Hungaria Gipy Band.
 4.5-Bettu Lacelia (Scorenol.) Service of Information. Richard Clements. 11.0 (Scottish)—To the Unemployed : "The New Unemployment Act." James Cunnison: 11.30—German Talk for Schools. 11.45—Organ Recital. on 12.15 p.m.—Records. 10—The Western Studio Orchestra. 2.0-4.0 (Scottish)—See Regional. 2.5 (except Scottish)—For the Schools : Gardening Lesson. 2.30—History. 2.50 (except Scottish)—Records. 3.35 (except Scottish)—German for Schools.

 - Orchestra, conducted by the each poser. 9.0 (Midland)—Wireless Singers. 9.0 (Scottish) Catherine Stewart (Contralto). 9.0 (Western)—Cinema Organ, 9.20 (Scottish)—Community Singing. 9.30 (Midland)—Variety Records: 9.30 (Western)—Beryl Tichbon and Norman Jones (Pianofortes). 9.35 (Scottish)—Studio Orchestra, 10.10 (except Scottish)—Dance Re-cords.

- 2.50 (except Scottish)—Records.
 3.35 (except Scottish)—German for Schools.
 4.0—Florence Hooton (Violoncello); Dorothy Manley (Pianoforte).
 4.30—Cusson's Excelsior Band.
 5.15—Mantovani and Orchestra.
 6.0—"The First News."
 6.30—"Science in the Making." A. S. Russell, M.C., D.Sc.
 6.45—"The Chema." Alistair Cooke and Monsieur Cavalcanti.
 7.5—"The 'Foundations' of Music."
 7.30—"The Artist and his Public "—

 4 : Eric Navton : "The Question of Beauty."
 8.0—Songs from the Films, including the Silly Symphony "The Grasshopper and the Ants." Cast: A nona Winn ; Gloria Day; Getry Filzgerald; Jack Lorinner ; The Umsknown Singer; The Three Gima; Yariety Orchestra and Chorus.
 9.0—"The Second News."
 9.0—Chamber Music and Poetry. The International String Quartet: Frederick Thurston (Clarinet); V. C. Clinton Baddeley (Readings). Quintet in A (K. S81) (Mozari): "The Eve of St. Agnes," by John Keats. Quartet (Debussy). cords. 10.10 (Scottish)—Scottish Music, 10.30-12.0 (Midland till 11.20)— Jack Jackson and his Band.

HAMBURG, 12.10—Light Music. HILVERSUM, 12.0 — Orchestra (contd. from 11.40).

- HUVENGORD, 12.0 Orenestra (contd. from 11.40).
 HUIZEN, 12.0 Records. 12.10 Mine. de Knegt Ter Haar (Soprano), Zepparoni (Violin) and Mile. Beute (Pianoforte). Concerto in G minor (Vivaldi-Franks). Two Arias (Mo-zart). Two Arias (Henselt). Swedish Song. (Mendelssohn). Records. Sonatina for Violin and Pianoforte (Dvořák). Lieler (Wo'f): (a) Verborgenheit, (b) Fussreise, (c) Jägerlied. Allegro appassionato (Saint-Saëns). Piece (Turina). Portrait (Chaminade).
 KALU NDBOR G. 12.0 Nieleen
- KALUNDBORG, 12.0-Nielsen ing Ensemble.
- KÖNIGSBERG, 12.5-Wagner Re-
- LEIPZIG, 12.0—News. 12.10— "Music of Many Lands"—Records. MONTE CENERI, 12.0-News, 12 -Dance Records. 12.15-12.30 12.5

- ROME, 12.0-Announcements, 12.10

Brussels No. sonata (Grieg). Hilversum : Budapest Trio (Tchai-Budapest : Philharmonic , Münich. Hamburg : Contemporary music. Deutschlandsender : Tchaikovsky. Hilversum : 7.5 Deutschlandsender : Tchaikovsk Prague : Choir and orchestra. kovsky). Sottens : The Dutch Quartet (Beethoven, Czech 8.25 Borodin). Vienna: Elly Ney Trio (Schubert). music Warsaw : Rimsky-Korsakov. 8.40 Kalundborg : The Budapest Quartet (Mendelssohn, Beethoven). Brussels No. I : Bach programme. 9.0 9.20 Leipzig : Contemporary music. LIGHT CONCERTS Turin : Pianoforte, violin. Berlin : Schubert, Schumann, Brahms. Poste Parisien : Pianoforte Quintet 0.0 9.20 Kalundborg : Radio Orchestra. Kalundborg : Kaluo Orchestra. Cologne, etc. : Light music. Warsaw : Programme of dances. Hamburg : Wagner, Humperdinck, etc. Brussels No. 2 : Light orchestra. Stockholm : Rossini, Liszt, etc. 9.50 (Brahms). National : Quintet (Mozart), Quartet 10.5 (Debussy). RECITALS Stockholm : Rossi Leipzig : Waltzes. A.M. 10.40 Hilversum : Organ, song. Kalundborg : Maillart, Waldteufel, etc. Berlin : Military Band. Huizen : Orchestra, contralto songs. P.M 3.10 Hilversum : Pianoforte (Franck, Debussy). Brussels No. 2 : Schumann, Dvolák, etc. Beromünster : Liszt programme. Hilversum : Operatic. Regional : Eric Coates. Leipzig: "Kreisleriana" (Schumann). Munich: Organ and song. Prague: Contralto songs. 4.20 4.50 7.0 Regional : Eric Coates. Cologne : Variety concert. Frankfurt: Georg Schumann (pianoforte). 9.30 PLAYS 8.0 8.0 Regional : Famous Trials—5. Radio-Paris : An evening of "Thrillers." Breslau : "With Sven Hedin to Chinese Turkestan." Regional : Famous Trials-Königsberg : Orchestra. Vienna : Popular programme. 8.10 10.0 Hamburg : Rossini, Bullerian, etc. 10.15 Budapest : Cigány Band Kurina. 10.50 Hilversum : Light orchestra. Brussels No. 2 : "Julleke " (Borremans). 9.0 Brussels DANCE MUSIC P.M. Brussels No. 1; 9.15, Warsaw; 9.30, Budapest; 9.40, Stuttgart; 10.0, Kal-undborg, Deutschlandsender; 10.10, Brussels No. 2, Regional; 10.30, Brussels No. 1, Radio-Paris; 11.15, Vienna : 11.20, National. Paris (PTT): "Jean de Nivelle" 5.0 (Delibcs). Strasbourg : "Sourcouf" (Planquette). (Anniversary performance).

MONDAY January 28

P.M.

CHAMBER MUSIC

PRINCIPAL EVENTS

Vienna : Austrian programme.

SYMPHONY CONCERTS

P.M.

7.10

7.10

7.15

8.0

8:30

P.M.

2.30

5.15

6.30

6.0

7.0

7.10

7.30 7.45

7.45

8.10

8:10

0.0 9.20

9.45 9.45

OPERA

P.M.

8.30

P.M.

8.30

3.0

7.0

Hours of Transmission in Greenwich TURIN, 6.45—Gym. Mean Time News.

5 a.m. - 8 a.m.

BERLIN, 5.35-7.0—See Leipzig. 7.0— Gym.; Announcements; Records. 8.0—Records. 8.35—Cookery Hints

- BRESLAU, 5.35-7.40—Orchestra, 7.40 —Gym. 8.0—News. 8.15—Re-
- -Gym. 8.0-News. 8.13-Kc cords; News. BUDAPEST, 5.45-Gym.; Records. Records
- COLOGNE, 5.0.—Notic; Records. 5.45—Gym. 6.0—News. 6.15— Orchestra from Breslau. 7.0— Water Level. 7.35—Gym. 7.50— Cooking Recipes.
- DEUTSCHLANDSENDER, 5.35-7.45—Records. 7.45—Gym. 8.40 45-Records. For Women.
- FRANKFURT, 5,45-News; Motto; Hymn. 6.0-7.10-Military Band. ymn.
- HAMBURG, 6.0-News. 6.10-See Leipzig. 7.0-8.0-Announcements; Leipzig. Records.
- Records. HILVERSUM, 7.40—Records. 8:40 —Lismonde Orchestra. HUIZEN, 7.40 Bible Reading; Prayers. 7.55—Records. 8.0—
- Prayers. Records
- KALUNDBORG, 6.0-Gym. 7.30-
- KÖNIGSBERG, 5.35-7.0—See Leip-zig. 7.0-7.10—Prayers. 7.30—Gym.
- LEIPZIG, 5.35—Orchestra, 6.0— News. 6.10—Orchestra, 7.0— Gym.; Records, 8.55—Announce-ments; Exchange.
- MUNICH, 5.30 Gym.; Motto, 6.0-Sec Frankfurt. News : 7.15 Motto. ---Gym
- PARIS (Poste Parisien), 7.10-Fan-fare; Records. In the Interval at 7.30: News. 8.0-Records. 8.25-News. 8.45-Cookery.
- PARIS (Radio-Paris), 6.45-Gym. 7.0-Records. 7.15-News. 7.45 -Gym. 8.0-Records : Light Music
- PRAGUE, 5.15-6.30—Gym.; Music; News. -8.50—News. ROME, 6.45—Gym. 7.0-7.15—
- SOTTENS, 6.0-6.15-Gym.
- STUTTGART, 5.30-Announcements; Gym. 6.0-See Frankfurt. 7.15-Gym. 6.0-1 For Women.

9 a.m.

7.0-7.15-

6.15-

BERLIN, 9.0—News; Markets. 9.15 —See Munich. BRESLAU, 9.15—See Munich. BUDAPEST, 9.0—News. Talk, 9.45—Reading, 9.20-

News. 6.7—Records. News. 6.25—Records.

Announcements.

- COLOGNE, 9.0-News. 9.15-Sec
- Munich. DEUTSCHLANDSENDER, 9.0-News. 9.15-See Munich. FRANKFURT, 9.0-News. 9.15-"Dresden China "-Play for Schools (Karl Klinghardt).
- HAMBURG, 9.15-See Munich. 9.50
- HILVERSUM, 9.0—Lismonde Or-chestra. 9.40—Service. 9.55— HILVERSUM, 9.0-Lismonde Orchestra. 9.40-Service. 9.55-Records.
 HUIZEN, 9.0-9.10-Records.
 KÖNIGSBERG, 9.15-See Munich.
 LEIPZIG, 9.0-Announcements. 9.15-See Munich.
 MUNICH, 9.15-" Theodoric "-History Play for Schools (Meingast).
 PRAGUE, 9.5-News in German. 9.10-Records. 9.15-For Schools: 9.40-Records. 9.50-Talk.
 POME 9.30.9 S0-For Schools: 5.

ROME, 9.30-9.50-For Schools : (a) Report from a Dopolavoro Insti-tute, (b) Records.

STUTTGART, 9.0-News. 9.15-"Germany's Cultural Influence" -Sequence (Ehmer). 9.45-Cham-ber Music. TURIN, 9.30-9.50-See Rome.

10 a.m.

BERLIN, 10.25—Exchange. BRESLAU, 10.30-10.45—News. BUDAPEST, 10.0-10.10—Reading.

COLOGNE, 10.0-Reading (Wate kamp). 10.15-Records. 10.30-

DEUTSCHLANDSENDER, 10.0-Gym. 10.15-Weather, 10.30-Report : "Green Week." 10.40-

For Farmers. FRANKFURT, 10.0—Concert. 10.30 —Announcements; Exchange. HAMBURG, 10.0—Folk Songs for Schools. 10.30—Symphony Orches-

10.0-

12 noon (contd.)

--Concert. In the Interval at 12.35 : News; Exchange. SOTTENS, 12.0-Light Music. 12.10 --Orchestra (contd. from 11.40). 12.50-Foxtrots.

- STOCKHOLM, 12.0 Orchestra
- Light Music. STRASBOURG, 12.0—Records. 12.30 —News. 12.45—Records. STUTTGART, 12.0—News. 12.15— Orchestra (contd. from 11.0). TURIN, 12.0—Announcements. 12.10 —Ambrosiana Orchestra. In the Interval at 12.35: Records; Ex-change.
- Change. VIENNA, 12.0—News; Orchestra (contd. from 11.0). WARSAW, 12.0—News: 12.5-12.30— Records: Opera Music.

1 p.m.

- ATHLONE, 1.30-Weather ; Ex-change ; Records.
- BERLIN, 1.0-News. 1.5-1.30-Records : Instrumental Music. 1.10-
- BRESLAU, 1.5—Exchange. Records; Announcements. BRUSSELS (No. 1), 1.0-Records; Announcements.
 BRUSSELS (No. 1), 1.0—News.
 1.10—Orchestra. Conductor: Walpot. 'Idylla namionicile (Razigade).
 Selection, "The Grand Duchess of Gerolstein" (Offenbach). Rosen im Schnee (Siede).' 'Pomona (Waldteufel).
 1.30—Records. Part II.—Yelection, "Bonsoir Paris" (Cazaux).
 BRUSSELS (No. 2), 1.0—News.
 1.10—RadioOrchestra. Conductor: 'André. Parade des éléphants (de Basque). Old Vienna (Drdla).
 March (Dame). Wildfeuer (Strauss).
 Suite arabe (Dyck). 1.30—Records.
- BUDAPEST, 1.0—Orchestra (contd. from 12.30). 1.40—Household
- Hints. COLOGNE, 1.0—News. Markets ; Industrial News. 1.45-
- DEUTSCHLANDSENDER, 1.0-Va-
- riety. 1.55-Announcements. FRANKFURT, 1.0-See 11.0 Stutt-gart. 1.15-News. 1.30-Industrial Review. 1.45-Exchange. HAMBURG, 1.0-Light Music. 1.15 -News. 1.30-Records of Franz
- HAMBURG, 1.0—Light Music. 1.15 —News. 1.30—Records of Franz Völker (Tenor).
 H IL V ER S UM, 1.0 —Orchestra (contd. from 11.40). 1.25— R e c o r d s. 1.40 A.V.R.O. Orchestra. Conductor: Treep. Perpetuum mobile (Blon). Se-lection, "La Traviata" (Verdi). Santiago (Corbin). Song (Tosti). Marechiare (Tosti). American Cakewalk (Lincke). Selection, "The Merry Peasant" (Fall). Tout Paris (Waldteufel).
 HUIZEN, 1.0—Soprano, Violin and 12.10.
- HUIZEN, 1.0—Soprano, Violin and Pianoforte (contd. from 12.10). 1.40—For Schools.
- 1.40—For Schools. KÖNIGSBERG, 1.0—News. 1.5— Wagner Records. 1.30—Markets. LEIPZIG, 1.0—Exchange. 1.10— Records: "Martha"—Opera (Flotow). 1.45—Art Review.
- MUNICH, 1.0—News; Exchange, 1.20—For Gardeners, 1.50—Gym. PARIS (Poste Parisien), 1.15—Ex-
- change. PARIS (PTT), 1.0—News. 1.10— Orchestra (contd. from 12.15). 1.30 —Exchange.
- PARIS (Radio-Paris), 1.0-In the Interval at 1.20: Exchange. PRAGUE, 1.0-1.5-Exchange in Ger-

- man. ROME, 1.0-1.15—Concert (contd. from 12.10). STOCKHOLM, 1.0—Reading. 1.30 —Karin de Frumerie and Christian-sen ('Cellos) and Haquinius (Piano-forte). STRASBOURG, 1.0—Exchange. 1.5 —Records.
- -Records. STUTTGART, 1.0-1.15 Orchestra (contd. from 11.0).
- (contd. from 11.0). TURIN, 1.0—Orchestra (contd. from 12.10). 1.15-1.25—Exchange. VIENNA, 1.0—Records of Leo Slezak (Tenor). 1.20—Announcements.

2 p.m.

- ATHLONE, 2.0-2.30—Records. BERLIN, 2.0—Exchange: 2.25— Music from New Operettas. Toska Hochsted (Soprano), Anna Ker-stens (Soprano) and Karl Wagner
- stens (Soprano) and Karl Wagner (Tenor). BEROMUNSTER, 2.30—For Women. BRESLAU, 2.0—Markets. 2.10— Dook Review. 2.30—"Flute Music of the Time of Frederick the Great" —Konrad Seipolt (Flute) and Kurt Hattwig (Harpsichord). Solo per il Flauto Traverso (Frederick the Great). Arioso.and Presto, Flute Sonata in D'(Quantz). Sonata in A (Bach).

BRUSSELS (No. 1). 2.0-2.45-For Schools. BRUSSELS (No. 2), 2.0—For Schools. COLOGNE, 2.0—For Children. 2.30 —Industrial Review. 2.50—Topical Talk.

Talk. DEUTSCHLANDSENDER, 2.0-Ex-change. 2.15-Guessing Competi-tion for Children-Birds' Songs (on Records). 2.40-For Young People : Constructing Aeroplanes. FRANKFURT, 2.15-For Children. 2.30-Topical Review. HAMBURG, 2.0-Exchange. 2.40-Shipning

- HAMBURČ, 2.0—Exchange. 2.40— Shipping.
 HILVERSUM, 2.0—Orchestra (contd. from 1.40). 2.40—Talk.
 HUIZEN, 2.0—For Schools. 2.15— Records. 2.55—Dressmaking.
 KALUNDBORG, 2.0—Reading, in Jutland Dialect. 2.20—Talk : Why are Girls tired of Housework ?
 2.30—Radio Orchestra. Conductor : Reesen. Jensen (Songs). Overture, "Anacron" (Cherubini). Suite, Summer Days (Coates). Enfants de printemps (Waldteufel). En badinant (d'Ambrosio). Le régi-ment de Sambre-et-Meuse (Tourlet).

Eight Danish Songs. Overture, "The Black Domino" (Auber). The Three Bears (Coates). Zi-geunersange (Dvořák). Intermezzo (Finck). Intermezzo, "Naila" (Delibes). March (Sousa).

(Delibes). March (Sousa). KÖNIGSBERG, 2.0-Exchange. 2.10 -Review of Periodicals. 2.45-Handel and his Master Zachow-Recital by Wendt (Obcc), Kregenow (Bassoon), and Schütz (Harpsi-chord). Chamber Trio (Zuchow). Trio Sonata (Handel). LEIPZIG, 2.40-Exchange. MOSCOW (No. 1), 2.15-For Chil-dren.

dren. MUNICH, 2.0—Leider Recital. Lieder (Schubert): (a) Im Abendrot, (b) Der Neugierige, (c) Frühlingsglaube. Three Songs to Hölderlin Poems for Contralto, 'Cello and Harp (von Beckerath): (a) Die Heimat, (b) Sonnenuntergang, (c) Der Frühling. 2.30—Readings (Karl Burkert). 2.50 —Markets. PARIS (Pacto Parision) 20—Ex.

PARIS (Poste Parisien), 2.0-Ex-

PARIS (PTT), 2.0—Records. 2.20— Dance Music. PRAGUE, 2.45—Exchange. 2.55—

WARSAW, 2.30-News; Exchange. 2.45 - Gorzynski Dance Band. Zacharewicz (Songs).

3 p.m.

BERLIN, 3.0—Gala Concert from the Exhibition Hall at the Kaiserdamm. The Station Orchestra. Conductor : Steiner. In the Intervals : Extracts from "II Trovatore" (Verdi) and "Carmen" (Bizet), by Elizabeth Friedrich and Valentin Haller ; and from "Rigoletto" (Verdi) by Hertha Danner, Hildegaard Hage-meyer, Körner and Schramm.

BEROMÜNSTER, 3.0-Lortzing Con cert. BRESLAU, 3.0-Elisabeth Grabowski

STUTTGART, 2.30-Records. VIENNA, 2.0-Exchange. 2.20-For Women. 2.40-Talk : Pompeii.

Orchestra

WORLD-RADIO

Memorial Programme. 3.30—See 3.0 Berlin.

BUDAPEST, 3.10-For Schools.

- COLOGNE, 3.0—Station Chamber Orchestra. Conductor : Hagestadt. Part I—Light Music. Part II— New Dance Melodies. DEUTSCHLANDSENDER, 3.0-See

- DEUTSCHLANDSENDER, 3.0-See Cologne. FRANKFURT, 3.0-See Berlin. HAMBURG, 3.0-See Cologne. HILVERSUM, 3.0-Talk (contd. from 2.40). 3.10-3.40-Gonda van Dam (Pianoforte). Prelude, Fugue and Variations (Franck). Pieces (Debussy): (a) Prelude, (b) Voiles, (c) Ondinc, (d) Jardins sous la pluie. 3.55-Records. HUIZEN, 3.0-3.25 Dressmaking. 3.40-Bible Reading; Sacred Music by Mile. de Jager (Soprano) and Gorter (Organ). KALUNBORG, 3.0-Orchestra (contd. from 2.30). KONIGSBERG, 3.5-Light Music. Station Orchestra. Conductor: Wilckea (violin). LEIPZIG, 3.0-See Cologne:

The microphone at the Swiss Winter Sports; on the right (with snow-glasses) is Herr Hausmann, who

gives the running commentaries from Beromunster

MONTE CENERI, 3.0-Soc Bero-

MUNICH, 3.0—Communist Party Programme. MUNICH, 3.0—Orchestra, Conduc-tor: Böhm. Lissy Bühler (Mezzo-Soprano).

Soprano). PARIS (Poste Parisien), 3.15—Ex-change. 3.45—Exchange. PRAGUE, 3.0—Orchestra. 3.55— Stories for Children. 3.55— New Statement Stat

SOTTENS, 3.0-See Beromünster. STUTTGART, 3.0—Orchestra. Con-ductor: Schröder. TURN, 3.35—News. 3.45—For

TURIN, 3.35-News. 3.45-For Children, VIENNA, 3.5-News. 3.10-Schwarz (Baritone). Arias, "L'Africaine" (Meyerbeer), "Euryanthe" (Weber), "Der Freischütz" (Weber). 3.40 -Dance Records. WARSAW, 3.0-Dance Music (contd. from 2.45). 3.45-German.

4 p.m.

BERLIN, 4.0-Gala Concert (contd. from 3.0).

BEROMÜNSTER, 4.0—Dance Re-

(Novák), by Anna Kefendova Zochová (Pianoforte). 4.45–Ger-

man. BRESLAU, 4.0—Sec 3.0 Berlin. In the Interval : Markets. BUDAPEST, 4.0—Tatk. 4.30—Re-

COLOGNE, 4.0—Orchestra (contd. from 3.0), 4.30—Reading, 4.55— Armin Knab Songs to the Lute, by Oscar Besemfelder.

Oscar Besemfelder. 4.0-DEUTSCHLANDSENDER, 4.0-VOR-A Work-

EUTSCHLANDSENDER, 4.0-See 3.0 Cologne. 4.15.- "A Work-man Discovers his Fatherland"-Sketch (Rathie). 4.45.-Hedwig Fassbaender (Violin) and Hans Rohr (Planoforte). Sonata in C (Mozart). Introduction and Varia-tions on "Trockene Blumen" (Schubert).

Suite

BRATISLAVA, 4.10-Slovak

man

FRANKFURT, 4.0—See 3.0 Berlin. HAMBURG, 4.0—See 3.0 Cologne. 4.30—"Round the Camp Fire"— Hans Ziegler Songs to Wolfram Brockmeier Poems (on Records.). HILVERSUM, 4.0—Records. 4.10— Talk - Becords.

- KÖNIGSBERG, 4.0—Orchestra (contd. from 3.5). In the Interval : Ski-ing Lesson. 4.50—Eric Post
- LEIPZIG, 4.0—Talk: Germany's Economic Relations with the Ar-gentine. 4.20—Kreisleriana (Schu-mann), by Frieda Langendorf-Tränckner (Pianoforte). 4.50— Eschange
- münster. MOSCOW (No. 1), 4.0-Communist
- Party Programme. MUNICH, 4.0—Orchestra (contd from 3.0). 4.30—Talk : St. Gall

- Exchange. MONTE CENERI, 4.0—See Bero-

4772

4.50—Fanny Trunk-Echter (Mezzo-Soprano) and Gustav Schoedel (Organ). Prelude in E flat (Leyding). Songs for Mezzo-Soprano and Organ: (a) Entsagung (Graeber), (b) In dieser Abendstunde (Haas). Chaconne in C minor (Buxtehude).

OSLO, 4.0—Station Ensemble. Con-ductor : Holst. PARIS (Poste Parisien), 4.50—Ex-

change. PARIS (Radio-Paris), 4.0—Exchange.

PRAGUE, 4.0—For Chuldren, 4.10— Talk, 4.20—A Garland of National Ballads (Erben-Martinovsky), by Urban, 4.40—Records, 4.45— Sroubek (Violin).

RADIO - NORMANDIE, 4.0—Dance Music. 4.30—For Children. 4.45— Dance Music.

Bance Music. ROME, 4.0—Exchange, 4.10—Gualda Caputo and Luisetta Castellazzi (Duets), 4.30—Rome Philharmonic Orchestra,¹ from the Royal Phil-harmonic Academy, Jakob Gimpel

(Pianoforte). SOTTENS, 4.0—See Beromünster. STOCKHOLM, 4.5—Folk Music. 4.30—The Practical Corner. 4.45— Records.

STUTEGART, 4.0-Orchestra (contd.

from 3.0). TURIN, 4.0—For Children, 4.10— Brusaglino Dance Band, 4.30— See Rome.

See Rome. VIENNA, 4.0—Talk : The Bruckner Cult. 4.20—Talk : Count Joachim von Windhag. 4.40—"Humour and Grotesque in Song "—Recital, by Ella Firvas (Soprano). WARSAW, 4.0—Choral Concert of Silesian Songs. 4.20—Letter-Box. 4.35—Records : Hawaiian Orches-tra. 4.50—Talk.

5 p.m.

BERLIN, 5.0—Announcements. 5.5— Talk by Dr. Knust, Manager of the German Broadcasting Commission : Electrical Interference. 5.20—Next Week's Opera in Berlin—Talk with

Records.

Talk; Records. HUIZEN, 4.0—Bible Reading and Sacred Music, 4.40—Records. KALUNDBORG, 4.0—Orchestra (contd. from 2.30). 4.30—Exchange; Poem. 4.45—Talk: With Knud Rasmussen to East Greenland.

BEROMÜNSTER, 5.0 – Records : Marches and Soldiers' Songs. 5.30 —Talk : Climbing in the Caucasus. BORDEAUX - LAFAYETTE, 5.0 — Literary Talk : Emmanuel Del-Literary

BRESLAU, 5.0—Topical Report. 5.20 —Theo Goerlitz reads from his Book, "Landok flieht vor dem Glück." 5.50—Announcements.

MONDAY Jan. 28

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- Glück." 5.50—Announcements. BRUSSELS (No. 1), 5.0—Dance Music. 5.45—'Cello and piano-forte Sonata (Grieg). "Anada BRUSSELS (No. 2), 5.0—Records. 5.45—For Children. "Anada German Conversation. 5.50—Songs (Hilda Saskó). "A standard from 4.55). 5.20—Book Review. 5.30— Italian Conversation. 5.45—News. DEUTSCHI ANDERDEPE
- DEUTSCHLANDSENDER, 5.0 Violin and Pianoforte (contd. from 4.45). 5.15–For Girls. 5.30– Talk : Through the Spreewald. 5.55
- FRANKFURT, 5.0—Book Review.
 5.15—Talk: Wilhelmine Schröder-Devrient, 5.30—See Königsberg,
 5.55—Announcements; Exchange.
 HAMBURG, 5.0.— "Workaday Heroes"—Sequence, 5.45—Ex-change; Markets.
- HILVERSUM, 5.0—Records. 5.10— Kovacs' Lajos Orchestra. In the Interval : Records.
- Interval : Records. HUIZEN, 5:0-Records, 5:10-Mac Crafford (Organ). "O solo mio" (Di Capua), Gavotte (Grit), Humor-esque (Dvořák). Parade galante (Ganne). Rigoletto Fantasia (Verdi-Tavan): Poem (Melfi). Ah, sweet mystery (Herbert). Violette révait (Tellam). Melody in F (Rubinstein). Song of Songs (Moya). KALUNDBORG, 5:0-Talk (contd. from 4:45). 5:15-English. 5:45-Announcements.
- KÖNIGSBERG, 5.0—Reading (contd. from 4.50). 5.15—Markets. 5.30— Transmission for all German Stations: The Masurian Lake District—Songs and Readings. 5.55 —Announcements.
- LAHTI, 5.15—English. 5.45—Station Orchestra. Conductor : Linko.
- Urenestra. Conductor: Linko. LEIPZIG, 5.0-"German Soil"---Sequence (Karen Hilbert). 5.25-Folk Music. The Hoffnung-Sänger-freunde, the Erfurt Zither Orches-tra, and the Erfurt Zither Concert Trio.
- Trio. MORAVSKÁ-OSTRAVA, 5.5—News; Talk, 5.20—German Transmission : For Workers; For Children. MOSCOW (No. 1), 5.30—Tchekov Programme; Music. MUNICH, 5.0—Mezzo-Soprano and Organ (contd. from 4.50). 5.10— Review of National-Socialist Publi-cations. 5.30—Records. 5.50— Weather Markets. OSLO. 50—For Farmers. 5.30—
- OSLO, 5.0—For Farmers. 5.30— French.
- PARIS (PTT), 5.0—Music Lesson. 5.30—Science Talk. 5.45—Educa-tional Talk.
- S.40—Science Talk. S.45—Educational Talk.
 PRAGUE, 5.0—Violin (contd. from 4.45). 5.10—For Farmers. 5.20—German Transmission : Economic Notes; Review of the Czechoslovak Stations' Music Broadcasts; Talk : Abyssinia and Europe; News.
 RADIO-NORMANDIE, 5.0 Dance Music. 5.15—Musical Comedy Music. 5.45—Records.
 ROME, 5.0—Philharmonic Orchestra (contd. from 4.30). Weather and Corn Prices in the Interval: 5.50—Announcements.
 SOTTENS, 5.0—For Women. 5.20—For Children. 5.50—Light Music. Radio-Lausanne Orchestra. Conductor : Desarzens.
 STOCKHOIM S.6.—Records 5.45

ductor : Desarzens. STOCKHOLM, 5.0—Records. 5.45

STOCKHOLM, 5.0-Records. 5.45 -Report.
STRASBOURG, 5.0-Orchestra.
TURIN, 5.0-See Rome. 5.50-Announcements.
STUTTGART, 5.0-To be announced.
5.30-See Königsberg.
VIENNA, 5.0-Soprano (contd. from 4.40, 5.10-Theatre Review. 5.30-Reference Books for the Week's Talks. 5.35-English.
WARSAW, 5.0-Letter-Box for Farmers. 5.10-Film Review. 5.15 -Adamska-Grossmann Orchestra; Dances. 5.45-Talk for Children.

6 p.m.

ATHLONE, 6.0-For Children. 6.45

-News. BARI, 6.15-Weather: News in Foreign Languages; Records. BERLIN, 6.0-"Ship's Officer, Actor and Inventor"---an Interview with Captain Boykow, Inventor of the

6.15—weature, 6.35—Book Review. 6.55—Film Review. PRAGUE, 6.0—News. 6.10—Records. MONDAY Jan. 28

6 p.m. (contd.)

6.15—Russian. avská-Ostrava. RADIO - NORMANDIE, 6.0—For Children. 6.50—Local News. ROME, 6.5—Italian for French Lis-teners. News in Foreign Lan-Auto Pilot. 6.20.– Jo Becker (Songs to the Lute) and Paul Reich (Accor-dion): 6.40.– Evening Echoes. BEROMUNSTER, 6.0.– Records. 6.15 – Taik : Swiss Democracy. 6.50.– Dance Music Old and New by the Radio Orchestra.

Romer, News in Foreign Languages.
SOTTENS, 6.0—Light Music (contd. from 5.50), 6.30—Talk. 6.50—Topical Talk.
STOCKHOLM, 6.0—Report. 6.15—News. 6.30—Talk: Economics.
STRASBOURG, 6.0—Literary Review. 6.15—Topical Report. 6.30—Light Classical Music on Records.
STUTTGART, 6.0—See Hamburg.
TOULOUSE (Radio-Toulouse), 6.0—News. 6.15—Opera Music. Selection, "Prince Igor" (Borod in) Bridal Chorus, "Lohengrin" (Wagner). Minuet, "L'Arlésienne", (Bizet). Prelude, "Werther" (Massenet). 6.30—Operetta Music. 6.45—Pianoforte. Le tombeau de Couperin (Ravel). Scherzo (Mendelssohn). La plus que lente (Debussy). Minstrels (Debussy). Aufschuring (Schumann).
TURN, 6.5—Italian for French Listeners; News in Foreign Languages.
YUENNA, 6.0—Announcements. 6.10

BORDEAUX-LAFAYETTE, 6.30-

- News.
 BRESLAU, 6.0-Talk: A Journey through Poland. 6.20-Station Orchestra. Conductor: Rischka. Overture, "The Magic Flute" (Mozarl. Bilder aus dem Süden (Nicodé). Swedish Dances (Aulin). Ballet, "Heinrich der Löwe" (Kretschmer). Forest Murmurs, "Siegfried" (Wagner). Festival March (Strauss). Suite, Romeo and Juliet (Tchaikovsky). Orchestral Balad (May). Two Pieces for Strings (Ehrenberg). Cavalry March (Schubert).
 BRUSSELS (No. 1), 6.0-'Cello
- March (Schubert). BRUSSELS (No. 1), 6.0—'Cello Sonata (Grieg)-(contd. from 5.45), 6.30—Talk: A Healthy Mind, 6.45—Chabrier Concert with Com-
- mentary. BRUSSELS (No. 2), 6.0—For Chil-dren (contd. from 5.45). 6.30— Orchestra. Conductor: Walpot. Les' chasseurs ardennes (Ledieu). Au cinéma (Guillaume). Serenade (Volpatti). Violin: Ronde des lutins (Bazzini).
- BUDAPEST, 6.0 Hilda Sasko (Songs). 6.30—Talk.
- (Songs). 6.30—Talk. COLOGNE, 6.0—Weekly Review. 6.30—Records of Jan Kiepura. Aria, "Aida" (Verdi). Aria, "11 Trovatore" (Verdi). La danza (Rossini). Songs, "Mein Herz ruft nach dir" (Stolz). 6.50— Snapshots. Station Orchestra.
 BARI, 7.25—Programme for Greece : Announcements ; Records.
 BERLIN, 7.0—News, 7.15—" Green Week "—a Report. 7.45—Military Band. Army March (Voig). Das deutsche Gebet (Hackenberger). Selection, "The Force of Destiny" (Verdi). Waltz, Accelerationen (Strauss). Colberger-Marsch (Lort-zing). Old Hanoverian Marches.
 BEROMÜNSTER, 7.0 — Dance Music Old and New (cond. from 6.50). 7.45—" Stop Thief ! "—A Detective Sequence.
 BORDEAUX-LAFAYETTE, 7.45—
- forte)
- forte). FRANKFURT, 60-Freiburg Con-cert Orchestra, Conductor : Körner. 6.45-Topical Talk. HAMBURG, 6.0-Orchestra from Kiel. Conductor : Döring. Chorus, " Die Marketenderin" (Humper-dinck). In the Steppes of Central Asia (Borodin). European Baltet (Leuschner). Transaktionenwalzer (Strauss). Tarantella (Richter). HI VERSUM 6.0-Koyaes Laios
- HILVERSUM, 6.0-Kovacs Lajos Orchestra. Records in the Intervals.
- Orchestra. Records in the Intervals. HUIZEN, 6.0—Organ (contd. from 5.10). 6.10—Letter-box. 6.40— Police Notes ; Church News. 6.55—
- (Songs). BRESLAU, 7.0—News. 7.10—Or-chestra (contd. from 6.20). BRNO, 7.25—Topical Talk and Dramatic Programme. KALUNDBORG, 6.0—News. 6.20— Extract, "One Night of Love"— Sound Film, from 'the Palace Theatre. 6.30—Medical Talk. BRUSSELS (No. 2), 7.0-Reading (Claes). 7.30-Art, Review.
 BUDAPEST, 7.0-Talk, 7.10-Phil-harmonic Orchestra. Conductor: Münch. Amadeo Baldovino (°Cello). Passacaglia (Bach-Respighi). 'Cello Concerto (Dohnányi). Printemps (Debussy). La procession nocturne (Rabaud). La chasse du Prince Arthur (Ropartz). Daphnis et Chloé (Ravel).
 C O L O G N E, 7.0-News. 7.15-Augmented Station Orchestra. Conductor: Kühn. Ch am ber Choir. Conductor: Breuer. Pre-lude, "Si j'étais roi" (Adam). Suite, "Coppélia" (Delibes). Waltz, Serenade for Strings (Tchaikovsky). Choir and Orchestra: Minnezeit (Quirin Rische). Song and Dance, "Das Spielzeug ihrer Majestät" (Königsberger). Selection, "Die Puppenfee" (Bayer). Waltz, Herein-spaziert (Ziehrer). Leichtes Blut (Strauss). In the Interval: Humorous Items.
- KÖNIGSBERG, 6.5—Talk : The In-dustrial Struggle. 6.15—Talk : The Evolution of the Gramophone Record.
- LAHTI, 6.0—Orchestra (contd. from 5.45). Talk in the Interval. 6.55— Reading (Kipling).
- Reading (Kipling). LEIPZIG, 6.0—Folk Music (contd-from 5.25). 6.35—Talk: Gottfried Schadow, the Sculptor. LYONS (La Doua), 6.0—Talk. 6.30—
- MONTE CENERI, 6.15—Book Re-view : "L'arraffone " (Laini). 6.30— Record : Tangos and Rumbas. 6.45—News.
- 6.45--News. MORAVSKA-OSTRAVA, 6.10-Re-cords. 6.15-Talk. 6.30-Station Orchestra. Conductor: Musil. Overrure, "Wiener Frauen" (Lehár). Waitz, "Princess Hya-cinth" (Nedbal). Miniature Suite (Coates). Polka (Strauss). Carnival Suite (Kaskel). Krakoviak (Leo-pold). Mazurka (Duras). Slav Dance (Smatek). MOSCOW (No. 1). 6.0-Tchekov
- MOSCOW (No. 1), 6.0—Tchekov Programme (contd. from 5.30). MÚNICH, 6.0—Topical Talk. 6.15—
- Cabaret
- OSLO, 6.0—Announcements. 6.15— News. 6.31—Accordion Duets. 6.45—Revue of Foreign Affairs.
- PARIS (Poste Parisien), 6.25--Ex-change. 6.30-Announcements. PARIS (Poste Parisien), 6.25—Ex-change. 6.30—Announcements.
 6.37—Records : Lamoureux Con-cert Society. Conductor : Wolf.
 6.50—Topical Talk. 6.57—Records
 of Chaliapin. Arias, "Prince Igor" (Borodin) and "Sadko" (Rimsky-Korsakov).
 PARIS (PTT), 6.0—Economics Talks.
 Yange Contemportation (Contemportation)
- PARIS (Radio-Paris), 6.0-Art Talk.

WORLD-RADIO

6.15-Weather ; For Farmers ; Mar-

VIENNA, 6.0—Announcements. 6.10 —News. 6.20—Talk: A in Defence. 6.30—To be announced. WARSAW, 6.0—With the Micro-phone through Poland. 6.25— Social Talk. 6.30—Talk: The Public is very exacting. 6.45— Programme Announcements. 6.50 —Sports Notes.

7 p.m.

ATHLONE, 7.0—Irish. 7.15—Talk by E. J. Sheehy, B.Sc. : The Relation of Diet to Health and Disease in Domestic Stock. 7.30—Time. 7.31 —Station Orchestra.

BORDEAUX-LAFAYETTE, 7.45-Talk : Bordeaux a Century ago. BRATISLAVA, 7.0-7.25-Stefan Hoza

BRUSSELS (No. 1), 7.0—Chabrier Concert (contd. from 6.45), 7.30— Theatre and Cinema Review. BRUSSELS (No. 2), 7.0—Reading (Claes), 7.30—Art Review.

Items. DEUTSCHLANDSENDER, 7.0 — Motto; News. 7.15—Tchaikovsky Concert. The Augmented Station Orchestra. Conductor: Lindner, Emmy Braun (Pianoforte). Pianoforte Concerto in B flat minor. The "Pathetic" Symphony. 7.50— Topical Report. EDANKEINET 7.0 Naur 715 Sec.

FRANKFURT, 7.0-News, 7.15-Sce

Cologne. HAMBURG, 7.0-News. 7.10-Contemporary North German Com-posers. Hanover Symphony Or-chestra. Conductor: von Sosen. Abenteurefahrt (Schroeder). Nacht-wanderung (Frischen). Sonnen-wendfeier (Frischen).

HILVERSUM, 7.5—Trio in A minor (Tchaikovsky), by the Budapest Trio. 7.40—News. 7.45—" Melo-dies of the South," by Patla (Organ).

HUIZEN, 7.0-Records. 7.10-Letter-Box. 7.40-Press Review. 7.45-N.C.R.V. Symphony Orches-tra. Conductor : Hurk. Mile. A. Hermes (Contralto). Sinfonia, from the Cantata "Die Elenden sollen essen " (Bach). Chaconne (Gluck). Danklieder fan Go tt(Haydn). Two Songs (Schuurman). Mein Heiland ist mein Steuermann. Nur mit Jesu will ich Pilgerwandern. Gott ist die Liebe. Interlude. Intrada will ich Pilgerwandern. Golt ist die Liebe. Interlude. Intrada (Frank). Contralto : Ah rendimi (Rossi). Sinfonia (Joh. Chr. Bach). Two A rias, "Odysseus" (Bruch). Suite (Charpentier). Con-tratto : Nocturne (Franck). Orches-tral Suite (Andriessen).

JUAN-LES-PINS (Radio Côte d'Azur), 7.15-Light Music. 7.40-News. 7.50-Sports.

7.50—Sports. KALUNDBORG, 7.0—Chimes. 7.2 —Talk : Experiences as a School Inspector. 7.30—Radio Orchestra. Conductor : Gröndahl. Overture, "Les Dragons de Villars" (Mail-lari). Golden Rain (Waldteufel). Extract, Greina Green (Guiraud). Extract, Greina Green (Guiraud). Extracts, "Gurre" (Halvorsen). Slav Lullaby (Neruda). Ballet, "Aida" (Verdi).

Aida " (Verdi).
KÖNIGSBERG, 7.0-News. 7.15-See Berlin. 7.45-Choir : Patriotic Songs and Folk Songs.
LAHTI, -7.0-Reading (contd. from 6.55). 7.10-The Dumky Trio (Dvofak). 7.45-News.
LEIPZIG, 7.0-News. 7.10-" the Waltz "-Radio Potpourri, by the Station Orchestra. Tilly von Fuchs (Soprano), Weitzmann (Pianoforte) and Lub (Violin).
LYONS (La Doua), 7.30-Press

and Lun (Violin). LYONS (La Doua), 7.30—Press Review. 7.40—Talk: Criminology. 7.50—Hygiene Talk. MONTE CENERI, 7.0—To be an-nounced.

nounced. MORAVSKÁ-OSTRAVA, 7.0 – Orchestra (contd. from 6.30). MOSCOW (No. 1), 7.0–Concert Version, "Katherine Ismailova"–

MOSCOW User Version, "Katherine Ismallova —Opera (Schostakovitch). MUNICH, 7.0—Cabaret (contd. from 6.15). News in the Interval. 7.50 —"Minnesingers and Mystics"—a Medieval Sequence (Kühne-Hell-

messe). OSLO, 7.0-Review of Foreign Affairs. 7.15-Philharmonic Or-chestra. Conductor: Kielland, Ingebjörg Gresvik (Pianoforte). Re-naissance (Groven). Pianoforte Concerto in D Minor (Brahms).

PARIS (Poste Parisken), 7.0—Records (contd. from 6.57). 7.7—Sports. 7.10—News. 7.28—Talk : Grape Vines in Winter. 7.35—Records of Lucienne Boycr. 7.50—Records of Mary Ditrix.

Mary Ditrix. PARIS (PTT), 7.45—Aviation. 7.53 —Assurance Societies' Report. PARIS (Radio-Paris), 7.0—Film Re-view. 7.5—Talk : The Modern Theatre-Marcel Achard. 7.30— Topical Talk. PRAGUE, 7.0—Song Cycli, Melan-choly (Noväk), by Marta Krásová (Contralto). 7.25—See Brno. RADIO-NORMANDIE, 7.0—To be announced.

announced.

announced. ROME, 7.0—News. 7.10—Records. 7.30 — Announcements; Topical Talk. 7.45—See Turin. SOTTENS, 7.0—Dance Music and Light Orchestral Music. Conduc-tor: Franco. Luciana Dollyver (Songs); Superbi (Violin). STOCK MOL M. 20. Struice Orches

(Songs); Superbi (Violin).
STOCKHOLM, 7.0—Station Orchestra. Conductor: Wiklund. Overture, "William Tell" (Rossini).
Les préludes (Liszt). Suite, Karelia (Sibelius). Waltz, Gold and Silver (Lehár). Serenade (Borodio). Pizzicato Polka (Strauss). Suite, "Carmen" (Bizet).
STRASBOURG, 7.0—Light Classical Music, on Records. '7.30—News. 7.45—Records.

Music, on Records. 7.45—Records.

Music, on Records. 7.30-News. 7.45-Records.
STUTTGART, 7.0-News. 7.15-Variety, from Heidelberg Town Hall. Mannheim Philharmonic Orchestra and Dietrich Schrammel Quartet. Camilla Horn (Popular Songs), Graveure (Tenor), Hörbiger and Giesen (Pianoforte).
TOULOUSE (Radio-Toulouse), 7.0-Pianoforte (contd. from 6.45). 7.10-Sound-Film Music. 7,30-News; Exchange. 7.45-Light Music.
TURIN, 7.0-News; Records. 7.30-Announcements; Topical Talk. 7.45-Request Concert.
VIENNA, 7.0-" Austria Calling 1"

7.45-Request Concert. VIENNA, 7.0-"Austria Calling I" --Works of Austrians Abroad. Part I.--Record : Austrian Song (Wildgans), recorded by the Author. Part II.--Možart Music. Vienna Symphony Orchestra. Conductor : Kabasta. Schneiderhan (Violin). March in D. The Haffner Serenade. Part III.--Light Music. Vienna Symphony Orchestra. Conductor : Holzer. Overture, "Waldmeister"

(Strauss). Prelude, "Aschenbrö-del" (Strauss). Waltz (Ziehrer): Viennese Folk Music Potpourri (Komzák). Extract, "Der Götter-gatte" (Lehár). March (Mühl-berger-Depolo). 7.45-

WARSAW, 7.0-Records. 7. News. 7.55-Talk : Work ĩn Poland.

8 p.m.

- ATHLONE, 8.0—The Serenaders (Vocal Duets). 8.25—Mai John-son (Pianoforte). 8.40—Hubert Valentine (Tenor).
- BARCELONA, 8.0 Records. 8:30 –News; Book Review; Records. 8.55–Exchange.

BERLIN, 8.0 — Military Band (contd. from 7.45).

BERCHUN, 0.0 - Human
 (contd. from 7.45).
 BEROMÜNSTER, 8.0 - News. 8.10 --Liszt Concert. Radio Orchestra.
 Conductor. Hoffmann. Winter-thur (Pianoforte).

Conductor. Hoffmann. Winter-thur (Pianoforte). BORDEAUX-LAFAYETTE, 8.0 – Talk: The New Treatment for Cancer. 8.15-News; Exchange; Lottery Results; Charades; Mar-kets. 8.30-"Contemporary Bor-deaux Composers''-Recital by Germaine Paillard-Copperie (Songs) Champeil (Violin), Rambeaud (Flute) and Gabriel Grange (Piano-forte). Pianoforte Solos (Goue): (a) Pénombres, (b) Chanson folle. Sonatina for Flute and Pianoforte (Sauguel). Songs: (a) Pluie sur les roses (Vaubourgoin), (b) Nar-cisses. (Vaubourgoin), (c) Bayser, (c) Jeux rustiques, (d) Le coquebin (Beydts), (e) L'au claire (Beydts). Pianoforte: Prelude and Berceuse (Lizotte). Suite for Flute and Pianoforte: (a) Berceuse (Grange), (b) Ariette (Gayral), (c) Song and Dance on Two Basque Airs (Cham-peil). Songs: (a) Fable sans moralité (Jacob and Bordes), (b) Mon coeur est mort (Daubry and Champeil), (c) Berceuse on a Basque Song (Champeil). Pianoforte and Violin : Légende (Bonna). Song (Champeil). Pianofe Violin : Légende (Bonnal).

BRESLAU, 8.0—Orchestra (contd., from 6.20). 8.10—"With Sven Hedin to Chinese Turkestan" — Play (Wittkowski), with Music by Völkel.

to Chinése Turkestan " — Play (Wittkowski), with Music by Völkel.
 BRUSSELS (No. 1), 8.0 — Records.
 8.30—Bach Anniversary Concert from the Conservatoire, Liége. The Liége Chamber Orchestra and Choral Society. Conductor : Jean Rogister. Henri Koch (Violin), Frederick Anspach and Jeanne Schouterdem (Songs) and René Tellier (Organ). Violin Concerto No. 2 in E. Songs : (a) Bist du bei mir, (b) Komm, süsser Tod, (c) So oft ich meine Tabackspfeife. Concerto for Four Pianofortes and Orchestra (Vivaldi-Bach). Prelude, Air and Fugue for Organ. Cantata for the Ninth Sunday after Trinity.
 BRUSSELS (No. 2), 8.0—Symphony Orchestra. Soloist : Mme. Ger-maine Melotte. Prelude (Soudan). Concerto in A minor (Schumann). Slav Dances (Dvořák). 8.45— Records : Light Music.
 BUDAPEST, 8.0—Orchestra (contd. from 7.10).
 COLGNE, 8.0—Orchestra (contd. from 7.15).
 DEUTSCHLANDSENDER, 8.5 — Tchaikowsky Concert (contd. from

- Totaikovsky Concert (contd. from 7.15). FRANKFURT, 8.0—See 7.15
- Cologne. HAMBURG, 8.10 See Breslau. HILVERSUM, 8.0—" Melodies of the South" (contd. from 7.45). 8.10—AVRO Orchestra. Conductor: Treep. Maria the South" (contd. from 7.45). 8.10-AVRO Orchestra. Conductor: Treep. Maria Nemeth (Songs). Overture and Selection, "Norma" (Bellini). Aria, "I Trovatore" (Verdi). Sclection, "Lohengrin" (Wagner). Ballad, "The Flying Dutchman" (Wagner). Flower Waltz, Nutcracker Suite (Tchaikovsky). Fauns in the Forest (Haines). Songs: (a) Und gestern" hat er mir Rosen gebracht (Marx), (b) Liebesfeier (Weingartner). Waltz, "Der Rosenkavalier" (Strauss). War March of the Priests, "Athalia" (Mendelssohn). HUIZEN, 8.0-The N.C.R.V. Or-chestra (contd. from 7.45). In the Interval at 8.10: Talk. JUAN-LES-PINS. (Radio. Cote

- JUAN-LES-PINS' (Radio Côte d'Azur), 8.0—News. 8.15—Con-cert. 8.30—Play. KALUNDBORG, 8.0— Orchestra (contd. from 7.30). 8.30—Poetry Reading. 8.45—News.
- Reading. 8.45—News. KÖNIGSBERG, 8.0 Patriotic Songs and Folk Songs (contd. from 7.45). 8.15—" The Turn of the Month "—Programme of Music and Poetry by Josef Müller-Blattau (Recitations), Erwin Ross (Bass) and Adolf Schutz (Harpsichord). 8.45 —Topical Report.

[JANUARY 25, 1935

LEIPZIG, 8.10—" Des Ueberfluss "—Play (Eich). LYONS (La Doua), 8.0 — Talk : Stamp Collecting, 8.10—Music Review, 8.20—Talk : Educatioa. YONS Stamp Collecting Review. 8.20—Talk : ... Review. 8.20—Calk : ... Review. 8.20—Concert. 8.15—News : ... Review. 8.20—Calk : ... Review. 8.20—Concert. 8.15—News : ... Review. 8.20—Concert. 8.15—News : ... Review. 8.20—Concert. 8.15—News : ...

MADRID

- MOSCOW (No. 1), 8.0 German Congress Delegates at the Micro-

- phone. MUNICH, 8.0 "Minnesingers and Mystics" Mediaeval Se-quence (contd. from 7.50). OSLO, 8.0—Philharmonic Orchestra (contd. from 7.15). 8.40—News. PARIS (Poste-Parisien), 8.0—Inter-lude. 8.10—Exchange. 8.15— Songs. 8.50—Interlude. 8.55 lude. 8 Songs. Exchange.
- PARIS (PTT), 8.0 Records : Popular Music. 8.30—"Jean de Nivelle "—Opera in Three Acts (Delibes). Conductor : Georis.
- (Delibes). Conductor : Georis.
 PARIS (Radio-Paris), 8.0 Thrillers:
 (a) "L'horrible expérience" —Play in Two Acts (de Lorde and Binet),
 (b) "Les invisibles" Play in One Act (de Lorde), (c) "La Reconnaissance" Play in One Act (Monnier and Durosier). In the Interval at 8.30; News.
 PRACIE \$0. Station Orabetta
- PRAGUE, 8.0 Station Orchestra and Choir. Conductor : Jeremias. Václav Smetácek (Oboc). Piece for Wind Instruments (Jirovec). Oboc Concerto (Kromer). Can-tata (Smetana).
- tata (Smetana).
 RADIO-NORMANDIE, 8.0 News;
 Announcements. 8.5—French Music. 8.30—A Burmese Fakir.
 8.45—Light Music.
- REYKJAVIK, 8.0—Light Music. 8.10—Weather. 8.20—Light Music. 8.50—Announcements. ROME, 8.0—See 7.45 Turin. 8.45— Talk : Women and Fashions.
- SOTTENS, 8.0 Music Talk: Dilettantes and Professionals. 8.15 —News. 8.25—The Dutch Quartet Quartet in F minor (Beethoven). Quartet (Borodin).
- Quartet (Borodin). STOCKHOLM, 8.0 Orchestra (contd. from 7.0). 8.20—Parlia-mentary Review. 8.45—News. STRASBOURG, 8.0. News in German. 8.30—"Surcouf" Operetta (Planquette) for the Anniversary of the Composer's Death. Station Orchestra and Choir. Conductor : de Villers.
- STUTTGART, 8.0-Variety (contd.
- TOULOUSE (Radio-Toulouse), 8.0-Light Music. 8.15—Humorous Items. 8.30—Hawaiian Guitar.
- URIN, 8.0 Request Concert (contd. from 7.45). 8.45—Talk. TURIN.
- (contd. from 7.43). 8.43--1aik. VIENNA, 8.0 "Austria Cal-ling!" (contd. from 7.0), 8.30--News. 8.40--Trio in E flat (Schu-bert), by Elly Ney (Pianoforte); von Reuter (Violin); Hoelscher (Calio). ('Cello).

WARSAW, 8.0—Scheherazade (Rim-sky-Korsakov) by the Station Sym-phony Orchestra. Conductor: Fitelberg. 8.45—Talk: Traditions of Pomerania.

9 p.m.

ATHLONE, 9.0-Concert from the Gresham Hotel.

- BARCELONA, 9.0—Chimes: An-nouncements. 9.10—Variety. 9.40 —Station Orchestra.
- -Station Orchestra. BERLIN, 9.0-News. 9.20-Hedwig Fassbaender (Violin), Dr. Hanns Rohr (Pianoforte) and Josef Maria Hauschild (Baritone). Duet in A for Pianoforte and Violin (Schubert). Lieder (Schubert) : (a) Der Wan-derer, (b) Der Wegweiser, (c) Der Musensohn. Lieder (Schumann): (a) Freisinn, (b) Ich wandre nicht, (c) Widmung, (d) Wanderlied. Sonata in G for Violin and Piano-forte (Brahms). BEROMÜNSTER. 9.0.915 Lient
- BEROMUNSTER, 9.0-9.15 Lisz: Concert (contd. from 8.10). BORDEAUX-LAFAYETTE, 9.0 "Contemporary Bordeaux Com-posers"-Recital (contd. from 8.30).

BRATISLAVA, 9.15-News in Hungarian. 9.30-Records. BRESLAU, 9.0-News; Sports; Markets. 9.40-See Stuttgart.

Markets. 9,40—See Stuttgart. BRUSSELS (No. 1), 9,0—Bach Anni-versary Concert (contd. from 8.30). In the Interval at 9,20: Talk and Reading: Marcel Hauriac, the Belgian Author. BRUSSELS (No. 2), 9,0—"Julleke" —Radio Play (Borremans). 9,30— Songs by Brugmans. In the Inter-vals: Records. BUDAPEST. 9 0—Orchestra (contd

BUDAPEST, 9.0-Orchestra (contd. from 7.10). 9.10-News. 9.30-

9 p.m. (contd.)

Mandits Dance Band from the Patria Café.

COLOGNE, 9.0—News. 9.20— Variety. Station Orchestra and Soloists. Conductor : Eysoldt.

DEUTSCHLANDSENDER, 9.0 -

- FRANKFURT, 9.0—News. 9.15— Talk: Radio Interference. 9.30— Georg Schumann plays his own Pianoforte Music, Musette in E minor. Gavotte, Picces from the Suite, Dur und Moll, Ballad in G minor. the Suite, G minor.
- HAMBURG, 9.0-News. 9.25-Green Week-Report (on Records).
- HILVERSUM, 9.0—Orchestra (contd. from 8.10). 9.40—Old Records.
- HUIZEN, 9.0—The N.C.R. V. Orches-tra (contd. from 7.45). In the Inter-val at 9.40 : Press Review.
- JUAN-LES-PINS (Radio Côte d'Azur), 9.0-News. 9.10-Play (contd. from 8.30).
- KALUNDBORG, ALUNDBORG, 9.0 — Chamber Music. Budapest String Quartet. Quartet in E flat (Mendelssohn). Quartet in B flat (Beethoven).
- KÖNIGSBERG, 9.0-News. 9.20-Eicke von Repgow. 9.45-CONIGSBERG, 9.0—News. 9.20— Talk: Eicke von Repgow. 9.45— Station Orchestra. Conductor : Wilcken, Selection, "Der Waffen-schmied" (Lortzing). Argentine Serenade (Köpping). Cigány Lulla-by (Köpping). Overture, "Der Erlenhügel" (Kuhłau). Waltz (Gröschel). Nocturne (Liszt). Polon-aise in A (Chopin). Selection, "La Traviata" (Verdi). March (Blank-enburg).
- LEIPZIG, 9.0-News. 9.20-Leipzig Symphony Orchestra. Conductor : EIPZIG, 9.0—News. 9.20—Leipzig Symphony Orchestra. Conductor : Weber. Herbert Heyde (Bassoon). Heroic Legend alter Körner's "Zriny" (Friedrich Grimm). Bas-soon Concerto (Grossmann). Sym-phonic Suite (Trapp). Variations on the Thuringian Folk Song, "Ach, wie ist's möglich dann (Raff). Varia-tions on an Egebirge Folk Song (Büttner).

LYONS (La Doua). 9.0-Concert; MADRID (EAJ7), 9.0-Sextet. 9.30-Reading. MOSCOW (No. 1), 9.5—English Pro-gramme : (a) Talk : Education on a Collective Farm, (b) Letter-Box.

MUNICH, 9.0—News; Exchange. 9.20—To be announced.

- OSLO, 9.0—Topical Talk. 9.15— Schjelderup Songs by Mme. Ingeborg Sandvik Kristensen, with Introductory Talk.
- PARIS (Poste Parisien), 9.5-Concert by Frehel, Charles and Johnny. 9.35-Interlude. 9.50-Pianoforte by Frehel, Charles and Jo 9.35-Interlude. 9.50-Pian Quintet in F minor (Brahms).
- PARIS (PTT), 9.0—" Jean de Nivelle" —Opera (Delibes) (contd. from 8.30).
- PARIS (Radio-Paris), 9.0—Thrillers (contd. from 8.0). In the Interval at 9.15 : News ; Sports ; Review.
- PRAGUE, 9.0—News. 9.15—Records. 9.30-9.50—German News and Talk : Democracy.
- Democracy. RADIO NORMANDIE, 9.0 Four Onc-Act Plays : (a) "Allo, Danton, Police" (Picard), (b) "La Légende de Tombelaine" (Hédouin), (c) "La peur des coups" (Courteline), (d) "Lidoire" (Courteline). REYKJAVIK, 9.0-Time; News. 9.30-Reading.

- 9.30—Reading. ROME, 9.0—Variety. SOTTENS, 9.0-9.20—The Dutch Quar-tet (contd. from 8.25). STOCKHOLM, 9.0—Orchestra.
- STRASBOURG, 9.0—" Surcouf "— Operetta (contd. from 8.30). In the Interval : News.
- STUTTGART, 9.0-News. 9.20-Winter Sports Report from Gar-misch-Partenkirchen (on Records). 9.40-Dance Music.
- TOULOUSE (Radio-Toulouse), 9.0-Concert Version, "Mircila"-Concert Version Opera (Gounod). ersion,
- TURIN, 9.0-Pianoforte and Violin,
- VIENNA, 9.0—Trio (Schubert) (contd from 8.40). 9.25—News. 9.45— Light Orchestral Concert. Con-ductor : Ganglberger. March, Austria (Schieder). Overture, "Fesche Geister" (Ziehrer). Vien-

REGIONAL

WORLD-RADIO

nese Waltz (Ganglberger). Selection "Frederika" (Lehár). Military March (Korolanyi). Suite, Rosen-traum in Sanssouci (Bernards). Tango, "Die verliebte Königin" (Brodszky). Waltz (Schmid). Inter-mezza (Lincke). March (Wadek). Potpourri (Spielauf). March (Paus-pertl).

WARSAW, 9.0 - Announcements. 9.15-Dance Music.

10 p.m.

- ATHLONE, 10.0-Variety. 10.30-News; Weather. 10.40-J. Hoey (Traditional Fiddle). 10.50-Records.
- Records. BARCELONA, 10.0—News. 10.30— Rafael Colomina (Tenor). Arias from "Tosca" (Puccini), "La Favorita" (Donizetti), "The Pearl Fishers" (Bizet) and "La Bohème" (Puccini).
- BERLIN, 10.0-10.30-Violin, Piano-forte and Baritone (contd. from
- 9.20). BRESLAU, 10.0—See Stuttgart. BRUSSELS (No. 1), 10.0—Bach Anniversary Concert (contd. from 8.30). 10.20—News. 10.30—Dance Records
- BRUSSELS (No. 2), 10.0—News. 10.10—Dance Records. BUDAPEST, 10.0—Mandits Dance Band. 10.15—Simi Kurina Cigány
- Rand
- COLOGNE, 10.0-Variety (cont. from
- DEUTSCHLANDSENDER, 10.0 -FRANKFURT, 10.0—See Hamburg.
- HAMBURG, 10.0-Station Orchestra.
- Conductor: Secker. Overture, "The Italian Girl in Algies" (Rossini). Romantic Suite (Bul-lerian). Russian Rhapsody (Mauss). Extracts, "Sigurd Jorsalfar" (Grieg). Waltz, España (Waldteufel). Norwegian Rhapsody (Svendsen).
- HILVERSUM, 10.0—Old Records. 10.40—News. 10.50—Ormenda Orchestra from the Café Caland, Rotterdam. Conductor : Doke.

HUIZEN, 10.0—The N.C.R.V. Or-chestra (contd. from 7.45), 10.10— Dance Records.

SYMPHONY CONCERTS

LIGHT CONCERTS

Brussels No. 1 : Beethoven.

Chopin). 8.55 Huizen : 5th Symphony (Bruckner). 10.20 National : L.S.O., conductor, Bridge.

Frankfurt : Symphony No. 7. (Bruckner).

Königsberg : Pianoforte Concertos (Liszt,

Kalundborg : Orchestra, Norse music.

Kalundborg : Orchestra, Norse mus Warsaw : Light orchestral. Hamburg, etc. : Variety concert. Leipzig : Folk Song. Prague : Military Band. Regional : Wireless Military Band. Strasbourg : Popular orchestral. Warsaw : Orchestra, songs. Huizen : Orchestra, tenor atias. Kalundborg : String orchestra.

Kalundborg : String orchestra. Breslau : Male Voice Choir.

Stockholm: Military Band.

Brussels No. 1 : Operetta music. Brussels No. 2 : Radio Orchestra. Hamburg : Operetta music. Warsaw : Variety concert.

Brussels No. I : Flemish programme.

Kalundborg : French music. Budapest : Cigány Band Magyari. Hamburg : Liszt, Reger, Thomas, etc. Frankfurt, Stuttgart : Gramophone

Budapest : Relay from Opera House. Vienna : "Fredigundis" (Schmidt). Turin : "Dibuk" (Rocca). French PTT stations ex. Radio-Paris : "Julius Cæsar" (Handel) (with John

KALUNDBORG, 10.0 - Johansen Dance Band

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MONDAY Jan. 28

HUIZEN, 11.0-11.10-Dance Records.

MADRID (EAJ7), 11.0—" La serva padrona" (Pergolesi) (contd. from 10.15); Dance Music. 11.45—

PARIS (Radio-Paris), 11.0-Dance Music.

RADIO-NORMANDIE, 11.0 Records. 11.30—Light Music.

STUTTGART, 11.0—Light Music. In the Interval : Ludwig (Piano-forte).

TOULOUSE (Radio-Toulouse), 11.0 —Chansonnettes. 11.15—Operetta Music. 11.30—Italian Songs. 11.50—Light Music.

VIENNA, 11.0-Orchestra (contd. from 9.45). 11.15-Wolfert Jazz

12 midnight

 FKAINFORT,
 12.0

 Stuttgart.
 RADIO-NORMANDIE,

 12.0-Or-chestra,
 12.30-Records,

 12.45 Dance Music,

STUTTGART, 12.0-Light Music (contd. from 11.0).

(conto. 1708). (Conto. 1709). TOULOUSE (Radio-Toulouse), 12.0 —News. 12.5—Opera Music. The Death of Boris, "Boris Godunov" (Mussorgsky). Drinking Scene, "Werther" (Massenet). Arias, "Le pré aux clercs" (Hérold). 12.15-12.30—Symphony Orchestra.

1 a.m. (Tuesday)

RADIO-NORMANDIE, 1.0-News.

1.10-Dance Musi

9.0 Poste Parisien : "Le bal de Béatrice d'Este" (Hahn). CHAMBER MUSIC

(Dvořák), songs, poetry.

Leipzig : Leipzig composers. Beromünster : The Klingler Quartet. Beflin : Trios and songs. Radio-Paris : Quartet (Grieg), Quintet

Warsaw : Pianoforte Sonata (Beethoven).

Warsaw: Violin. Brussels No. 1: Organ; 7.0, Song. Stockholm: Örgan, song, violin. Rome: Serato (violin). Königsberg: Song, violin, pianoforte. Poste Parisien: "Chansons de Miamka"

Breslau: "Sturm überm Acker." Brno, Prague: "The Orphan" (Kvapil). National: Famous Trials, 5. Brussels No. 2: Excerpts, "Peer Gynt" (Ibsen), with Grieg's music. Hilversum: "The Three Musketeers"

Paris (PTT) : Sorbonne lecture. Kalundborg : "Sir Walter Scott."

Sottens : Talk on The League of Nations." National : Mr. Churchill : "India,"

Cologne; 9.35, Leipzig, etc.; 9.45, Breslau; 10.5, Warsaw; 10.30, Radio-Paris; 11.15 National.

9.45.

11.0

BARCELONA, 12.0-News.

FRANKFURT, 12.0 - See

Quartet.

PARIS (PTT), 14.0-News.

KALUNDBORG, 11.0-11.30 Chimes; Johansen Dance Band,

- KÖNIGSBERG, 10.0 Orchestra (contd. from 9.45). LEIPZIG. 10.0-10.45–Leipzig Sym-phony Orchestra (contd. from 9.20).
- MADRID (EAJ7), 10.0 Chimes. 10.5—News. 10.15—"La serva padrona"—One-Act Opera (Pergo-lesi).
- MOSCOW (No. 1), 10.5-Hungarian Talk : The Soviet Congress.
- MUNICH, 10.0—Station Orchestra. Conductor : Kloss.

- Conductor: Kloss. PARIS (Poste Parisien), 10.0 Pianoforte Quintet (contd. from 9.50), 10.30—Records; Exchange. PARIS (PTT), 10.0—"Jean de Nivelle "—Opera (Delibes) (contd. from 8.30). PARIS (Radio-Paris), 10.0—Thrillers (contd. from 8.0), 10.30—Atkins Dance Band.
- RADIO-NORMANDIE, 10.0-Plays (contd. from 9.0).
- REYKJAVIK, 10.0—Popular Music : Station Orchestra ; Songs ; Violin Sonata in C minor (Grieg) on Records.
- ROME, 10.0-News.
- STUTTGART, 10.0-Dance Music.
- TOULOUSE (Radio-Toulouse), 10.0– Orchestra. 10.15–North African News. 10.30–Operetta Airs. 10.50–Orchestra. TURIN, 10.0-News: 10.10-News
- in Spanish.
- VIENNA, 10.0—Orchestra (contd. from 9.45). WARSAW, 10.0—Announcements. 10.5—Dance Music.

11 p.m.

- BARCELONA, 11.0-Catalan Pro-gramme. 11.30-Alfonso Parreño (Tenor). BUDAPEST, 11.5-News.
- FRANKFURT, 11.0—See Stuttgart. HILVERSUM,-11.0-11.40—Orchestra (contd. from 10.50).

OPERETTA

P.M.

P.M.

4.0

8.45

P.M.

4.0

6.0 6.30

7.20

7.45

9.35

10.0

P.M.

5.50

7.30

9.0

9.40

TALKS

P.M.

5.0.

9.15

P.M.

8.0

10.0 Nationa DANCE MUSIC

(Georges).

(after Dumas).

RECITALS

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NATIONAL

- For Time Signals, see Monday 10.15 a.m. (Droitwich)-Service.
- 10.15 a.m. (Drottwich)—Service.
 10.30 (Drottwich)—Weather Forecast.
 10.45—"Shopping and Cooking." Monica Dixon.
 11.0—Cinema Organ (Sydney Torch).
 11.30—Geography for Schools.
- 11.50-Records. 12.15 p.m.-The Leon Wayne Sextet.
- 12.15 p.m.—The Leon Wayne Sextet, 1.0—Joseph Muscant and the Troxy Grand Orchestra. Arab March (Ganne). Dance of the Tea Dolls (Hagen). Gens of South America (Schmidt). An Old-fashioned Love Song (Noble). Tales of Holimann (Offenbach). A Grieg Potpourri (arr. Muscant). Love's last word is spoken (Bixio). Selection, New Moon (Romberg). 2.0-4.0 (Scottish)—See Regional. 2.54.0 (scottish)—See Regional.
- 2.0-4.0 (Scottish)—See Regional.
 2.5-4.0 (except Scottish)—For Schools: Nature Study. 2.30—Music. 3.5— French. 3.35—Talk for Sixth Forms by John Gielgud.
 4.0—To the Unemployed: "This and That." John Hilton.
 4.20—The Hirsch String Quartet. Summer Austin (Baritone).
 5.15—The B.B.C. Dance Orchestra.
 6.0—"The First News."
 6.30—"The Foundations of Music."

- 6.30-" The Foundations of Music."
- 6.30—"The Foundations of Music.
 6.50—French Dialogue. E. M. Stéphan and Camille Vière.
 7.20—Records.
 7.30—"Freedom and Authority in the Mödern World "—Part II. C. R. M. F. Cruttwell.
- F. Cruttwell. O.-Famous Trials—5: "The Trial of Lady Alice Lisle" before Lord Chief Justice Jeffreys of the "Bloody Assizes" at Winchester on August 27 1685, on a charge of high treason. Reconstructed from the Records by C. Whitaker-Wilson.
- 9.0-Winifred Small and Jean Pougnet (Violins). 9.30-"The Second News."
- 9.30-" The Second News." 10.0-" India." The Rt. Hon. Winston S. Churchill, C.H., M.P. 10.20-The London Symphony Or-chestra, conducted by Frank Bridge. Overture, May Night (Rimsky-Korsakov). Pavane for a dead Infanta (Ravel). Scènes Pittoresques (Massenet). Capriccio Italien (Technikausky) (Massenet). (Tchaikovsky).
- 11.15-12.0 (Droitwich)—Dance Music : Lew Stone and his Band.

TUESDAY January 29 For Time Signals, see Monday 5-10.45 a.m. (except Midland)-PRINCIPAL EVENTS

P.M.

5.0 8.0

8.0

P.M.

2.0

2,45

5.20 6.10

6.30

6.30

7.0

7.45

7.55

8.0

8.0

8.0 8.0

9.0

9.15

9.15

9.30

9.55

11.0

P.M.

6.30 6.35 8.0

8.30

OPERAS

Concert.

Brownlee).

3.0

- REGIONAL For Time Signals, see Monday 10.15-10.45 a.m. (except Midland)— Droitwich. 10.45—B.B.C. Northern Orchestra. 11.45—Cinema Orchestra. 11.45—Cinema Orchestra. 12.45 p.m.—Records : Romberg. 11.5—Organ Recital. 2.0 (socutish)—Records. 2.35 (Scottish)—For the Schools : Reception Test. 2.40—French. 3.10—English. 3.35—Talk. 3.0 (Northern ill 4.0; Scottish from 4.0)—The Torquay Municipal Or-chestra. Winifted Fisher (Sopraro). 4.0 (Northern from 4.45)—Records. 5.15—The Children's Hour. 6.0—"The First News." 6.30 (Regional, Western, N. Ireland) —Wireless Military Band. Gladys Parr (Contralto). 6.30 (Midland)—"Something to Talk About "—Play by Eden Philipotts. 6.30 (Northern)—Staveley Band. 6.50 (Sottish)—Records. 5.15—The Children's Hour. 6.30 (Northern)—Staveley Band. 6.50 (Sottish)—Gaelic Lesson. 6.50 (Northern)—Staveley Band. 7.0 (Midland)—Cinema Organ. 7.15 (except Midland and Scottish)— Mr. Floisam and Mr. Jetsam. 7.30 (Regional)—Glees and Part Songs. The Wireless Singers. 7.30 (Midland)—Peterborough Or-chestral Society. George Parker (Baritone). Kathleen Watkins (Pianoforte). 7.30 (Northern)—Stude Jassages. 7.30 (Northern)—Studie Songers. 7.30 (Midland)—Peterborough Or-chestral Society. George Parker (Baritone). Kathleen Watkins (Pianoforte). 7.30 (Northern)—Northern Orchestra. 7.30 (Nichand)—Madrigal Singers. 7.30 (Northern)—Song and Pfic. 7.30 (Nichand)—Madrigal Singers. 7.30 (Nichand)—Cinema (Mater 7. 8.30 (Nichand)—Madrigal Singers. 7.30 (Nichand)—North

8.30 (Midland)—Michael Mullinar (Pianoforte).
8.30 (N. Ireland)—Song and Pfte. Recital by Albert Taylor.
8.45 (Socitish)—Poctry.
9.0 (except Western)—"Love needs a Waltz "—a modern fairy-tale.
9.50 (Western)—Records.
10.0—News Summary.
10.10—Dance Records.
10.30-12.0 (Midland till 11,15)—Lew Stone and his Band.

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TUESDAY Jan. 29 ERLIN, 11.0-Station Orchestra. Conductor: Steiner. Overture, "The Hermit's Bell" (Maillart). Emotia (Barth-Bartholdy). Mon Rève (Waldteufel). Woehenend-zauber (Kick-Schmidt). Meeres-leuchten (Ortleb). Moment musical (Schubert). Ich liebe Dich (Grieg). A Wedding Day on Troldhaugen (Grieg). Extracts, "The Gipsy Baron" (Strauss). Gallop (Kletzki). EEROMÜNSTER, 11.0 - Radio BERLIN.

11 a.m.

BEROMÜNSTER, 11.0 – Radio Orchestra, Conductor : Rein-

BEROMÜNSTER, 11.0 — Radio Orchestra, Conductor: Rein-shagen.
BRESLAU, 11.0—Orchestra. Con-ductor: Peter. Autumn Overture (Grieg). Frauenliebe und Leben (Blon). Selection, "Belshazzar's Feast" (Sibelius). Extracts, "I Pagliacci" (Leoncavallo). Minuet (Boccherini). Hungarian Fantasia for Flute (Doppler). Comedy Overture (Leuschner). Overture (Lincke). An mein deutsches Land (Z i I e h e r). Aquarellenwalzer (Strauss). March (Lokay).
BUDAPEST, 11.0—Chimes. 11.5— Fazekas (Pianoforte); Szeless (Violin). 11.30—News.
COLOGNE, 11:0—Station Orchestra. Conductor: Eysoldt. March, Um den blauen Gürtel (Hofmann). Overture, "Der Improvisator" (d'Albert). Two Waltzes (Dvořák). Volksliedchen and Märchen (Kom-zak). Wolgaklänge (Lindemann). Loin du Bal (Gillet). Intermezzo (Darowsky). Tango, Satanella (Eysold). Overture, Britannicus (Scassola). Zug der Gnomen (Blon). Suite Vatice (Pierné). Hungarian Rhapsody No. 13 (Liszt). Blumen der Liebe (Ruist).
DEUTSCHLANDSENDER, 11.0— See Cologne. FRANKFURT, 11.0—Military Band.

See Cologne. FRANKFURT, 11.0—Military Band.

FRANKFURT, 11.0—Military Band.
HAMBURG, 11.0—Announcements. 11.10—See 11.0 Berlin.
HILVERSUM, 11.0 — Or c h e s j r a (contd, from 10.10).
HUIZEN, 11.0—Records. 11.40—Police Messages. 11.55—Records.
KALUNDBORG, 11.2—Bendix String Ensemble.

Ensemble. KÖNIGSBERG, 11.0—See Berlin. LEIPZIG, 11.0—Records. MONTE CENERI, 11.0—Announce-ments, 11.5—Station Orchestra. 11.55—News. MUNICH, 11.0—See Breslau. PARIS (UTT) 11.0

PRAGUE, 11.0—For Farmers, 41.10 —Records, 11.25—News, 11.35— Dance Music, ROME, 11.30—Records, SOTTENS, 11.30—News, 11.40—

STUTTGART, 11.0—See Frankfurt. TURIN, 11.0—Records. 11.45-

News. VIENNA, 11.0—Light Music. Vienna Symphony Orchestra. Conductor ; Holzer.

Holzer. WARSAW, 11.0-Fanfare. 11.5-News. 11.10-Grossman Orchestra. 11.45-For Children.

12 noon

BERLIN, 12.0—Mid-day Echoes, 12.15—Records.
 BEROMÜNSTER, 12.25—Exchange, 12.30—For Housewives.
 BRESLAU, 12.0—Orchestra (contd. from 11.0). In the Interval at 12.15 : Name

BUDAPEST, 12,20-News -Military Band. Conductor : Figedy-Fichtner. COLOGNE, 12.0-News. 12.15-Orchestra (contd. from 11.0). DEUTSCHLANDSENDER, 12.0-Announcements. 12.15 - See 11.0 Cologne. 12.45-News.

Echoes

BERLIN, 12.0-Mid-day

Records. STOCKHOLM, 11.45-Exchange.

PARIS (PTT), 11.0-Orchestra.

Hours of Transmission in Greenwich Mean Time.

5 a.m. - 8 a.m.

- BERLIN, 5.35-7.0—See Hamburg. 7.0-8.30—Gym; Announcements; Records. 8.30—For Women. 8.45—For Children.
- 8,45—For Children. BRESLAU, 5.35—Records. 6.0— News. 6.15—See Cologne. 7.30— Records. 8.0—News; Records. COLOGNE, 5.0—Hymn; Records; Gym. 6.0—News. 6.15-7.30— Concert. 7.35—Gym. 7.50—
- Talk. DEUTSCHLANDSENDER, 5.35-7.45 -Records. 7.45—Cym. FRANKFURT, 5.45—Announcements. 6.0—See Munich. 7.15-7.30—Gym. HAMBURG, 5.35-7.0—Cologue. 7.45—Announcements : Records.
- HILVERSUM, 7.40—Records.
- HUIZEN, 7.40-Records,
- HUIZEN, 7.40-Records.
 KÖNIGSBERG, 5.35-7.0-See Hamburg. 7.0-7.10-Prayers. 7.30-Gym. 8.0-8.30-English for Schools.
 LEIPZIG, 5.35-7.0-See Hamburg. 7.0-Gym; Records. 8.0-8.20-For Women. 8.55-Exchange; Announcements.
 MUNICH, 5.30-Gym; News; Notto. 6.0 7.15 Orchestra. 7.15-7.35-Gym. 8.10-8.30-For Housewives.

- 7.15-7.35-Gym. 8.18-8.30-For Housewives. PARIS (Poste Parisien), 7.10-Fan-fare: Records; News. PARIS (Radio-Paris), 6.45-Gym. 7.0 --Records. 7.15-Press Review. 7.45-Gym. 8.0-Records. PRAGUE, 5.15-6.30-Gym; Music; News, 8.50-News. STUTTGART, 5.10-Hynn; Motto; Gym; Announcements. 6.0-See Munich. 7.15-Gym. 7.35-Records.
- See Munch, Arte Star Records. TURIN, 7.0-7.15—News. VIENNA, 8.0—News; Markets. WARSAW, 6.0-7.0—Records; News.

9 a.m.

BERLIN, 9.0-9.20-News. BRESLAU, 9.15-9.45-For Schools.

BRESLAU, 9.15-9.45—For Schools.
 COLOGNE, 9.0—News. 9.10—Gym. 9.30—Talks.
 DEUTSCHLANDSENDER, 9.0—News. 9.15—Austrian Songs to the Lute. 9.45—For Schools.
 FRANKFURT, 9.0—News. 9.15—For Schools. 9.50—For Women.
 HAMBURG, 9.50—News.
 HILVERSUM, 9.0—Records. 9.41—Service. 9.55—Records.
 HUIZEN, 9.0—Records.
 HOMEREPEG. 9.40—News

- KÖNIGSBERG, 9.40-News.
- LEIPZIG, 9.0—Announcements. 9.15-9.45—English for Schools. PRAGUE, 9.5—News in German. 9.10—Record. 9.15—Orchestra.
- 9.10-Record. 9.15-Orchestra. STUTTGART, 9.0-News. 9.15--French for Schools. 9.45-Hanna Becker-Mayer (Soprano). VIENNA, 9.20-French for Schools.

10 a.m.

- BERLIN. 10.25-10.30—Exchange. BRESLAU, 10.30—News. COLOGNE, 10.0—Talks. 10.30— Announcements; Records. DEUTSCHLANDSENDER, 10.0-10.15—For Schools. 10.30—"Green Week" Report. FRANKFURT, 10.0—Concert. 10.30 —Announcements: Exchange.

- —Announcements; Exchange.
 HAMBURG, 10.0—"Heinrich der Löwe"—History Sequence for Schools (Behnken). 10.30—Künncke
- Schools (BEHARCH) A Constraint Constrain

- KÖNIGSBERG, 10.5--For Farmers: 10.30-Song Records. LEIPZIG, 10.0--Announcements; Records. 10.30-News.

- Records. 10.30—News. MUNICH, 10.0—For Farmers. 10.20 —News; Announcements; Re-cords. OSLO, 10.15—Service. 10.50— Exchange. PRAGUE, 10.0—Record. 10.5— "Mother and Son"—Sequence for German Schools (Kühnel). 10.50— Record. 10.55—For Farmers. STUTTGART. 10.0—Soprano (cond)
- stutticart, 10.0-Soprano (contd. from 9.45). 10.15-Announce-ments : Records. 10.45-For
- from 9.45). 10.15-ments; Records. Children. TURIN, 10.30—Records. VIENNA, 10.30—Italian.

FRANKFURT, 12.0-News. 12.15-HAMBURG, 12.0-Shipping. 12.10-

- Light Music. HILVERSUM, 12.0—Orchestra (contd. from 10.10). 12.10— Records.
- Records. HUIZEN, 12.0-Records. 12.10-The K.R.O. Boys. Conductor: Lustenhouwer. Ei, wer kommt denn da? (Roland). Man lebt jedoch mir einmal (Kollo). Es blüht eine Rose (Friedl). Palvoka (Ronell). Selection, "The Bird-Fancier" (Zeller). I'm your slave (Brunelle). Spanish March (Gabriel-Marie). Stolz Potpourri (Dostal). Dit Jaar het KRO Jaar (Erwin-Tol).

PRACUE, 12.0—Dance Music, 12.35—Economic Report, 12.45— Records, 12.55—Exchange, ROME, 12.0—News, 12.5—See Turin, In the Interval at 12.35-12.45: News; Exchange,

12.45 : News ; Exchange. SOTTENS, 12.0—Records. STOCKHOLM, 12.0—Light Music. Waldimir Orchestra. Briqueteur (Viola). 12.0—Orchestra. Briqueteur (Viola). 12.30—News. 12.45—Records. STUTTGART, 12.0—News. 12.15— See Frankfurt. TOULOUSE (Radio-Toulouse), 12.0— Concert

[JANUARY 25, 1935.

Records. 1.30-Announcements :

Records. 1.30—Announcements; Records. LEIPZIG, 1.0-1.45—Halle Chamber Orchestra (cond. from 12.10). MUNICH, 1.0—News; Exchange. / 1.20—"Max Reger"—A Sequence, in Dialogue Form (Erna Brand), with Organ Music. 1.50—For Women.

Organ Music. 1.50—For Women, PARIS (Poste Parisien), 1.0—Records. 1.5—Exchange. 1.19—Records of Réda Caire and La Palma. 1.30— New Records. PARIS (PTT), 1.0—News. 1.10— Orchestra., 1.30—Exchange.

PARIS (PT1), 1.0—News. 1.10— Orchestra. 1.30—Exchange.
 PARIS (Radio-Paris), 1.0—Symphony Orchestra (contd. from 12.0). In the Interval at 1.20: Exchange.
 PRAGUE, 1.0-1.5—Exchange and Weather in German.
 ROME, 1.0-1.5—See Turin.

ROME, 1.0-1.5-- See Turin. STOCKHOLM, 1.0-Talk. 1.30--For Schools. Part I.-Songs by Schoolchildren. Conductor: Algaard. Vandringssaang (Peterson-Berger). Höbärgning (Gyllen-hammar). Smaalandssaangen (Widéen). Zigeunerleben (Schu-manh). Part II.--Talk, in English: The Early Days of some Famous Englishmen.

STRASBOURG, 1.0-Exchange. 1.5-Records. STUTTGART, 1.0-1.15-See Frankfurt. TOULOUSE (Radio-Toulouse), 1.0-Markets. 1.5-Concert. Markets, 1.5-Concert. TURIN, 1.0-Chesi - Zanardelli-Cassone Trio, 1.15-1.25-Exchange. VIENNA, 1.0-Records of Erika Morini (Violin) and Raucheisen (Pianoforte). 1.20-Announcements.

2 p.m.

ATHLONE, 2.0-2.30-Records. BERLIN, 2.0-Exchange. 2.25-"Und so gespensterst Du durch Deine kurzen Nächte "-A Ghostly Play (Schultze).

BEROMÜNSTER, 2.30-Hungarian Music. Radio Orchestra. Con-ductor : Gilbert. BRESI AU

Music. Table Orderstal, Coh-ductor: Gilbert.
 BRESLAU, 2.0-Markets. 2.10-Richard Strauss Lieder. Margarete Franz (Soprano). Breit über mein Haupt. Ach Lieb, ich muss nun scheiden. Cikilie. Freundliche Vision. Ich trage meine Minne. Heimliche Aufförderung. Hat gesagt bleibt nicht dabei. Für führzehn Pfennige. 2.40-Reading.
 COLOGNE, 2.0-A Visit to the Workers' Quarters of an Industrial Town. 2.30-Exchange. 2.45-Chamber Music.

Exchange. 2.15—"Women who influenced Great Men"—Sequence (Theamaria Lenz). 2.40—Discussion:

FRANKFURT, 2.0-News. 2.15-

For Women. HAMBURG, 2.0—Exchange. 2.40—

Shipping. HILVERSUM, 2.0—Orchestra (contd. from 1.10). 2.40—Dressmaking. HUIZEN, 2.0—For Women. 2.40— Dressmaking.

KÖNIGSBERG, 2.0-Markets. 2.10-Fairy Tales. 2.35-Holiday Hints.

KONIGSBERG, 2.0—Markets. 2.10— Fairy Tales. 2.35—Holiday Hints. 2.45—Book Review. LEIPZIG, 2.15—Book Review. MONTE CENERI, 2.15—'' La troyata di Arlecchino ''—Fairy Operetta in One Act (Billi). MOSCOW (No. 1), 2.15—For Chil-dren.

MUNICH, 2.9—For Women. 2.30— Old Bavarian Mottoes, 2.50—For Farmers. PARIS (Poste Parisien), 2.0—Ex-

change. PARIS (PTT), 2.0—Records : Cigány Music. 2.20—Records : Light Classical Music. 2.30—Symphony

Concert. PRAGUE, 2.45—Exchange. 2.55—

STUTTGART, 2.1 2.30—Talk : Flowers

dren.

DEUTSCHLANDSENDER,

Education.

Englishmen

- Concert. TURIN, 12.0—News. 12 Zanardelli-Cassone Trio. 12.5-Chesi-



Winter Sports at Garmisch, from which most German stations broadcast daily reports

KALUNDBORG, 12.0-Bendix String

KÖNIGSBERG, 12.0-News. 12.5-Records.

Records. LEIPZIG, 12.0—News. 12.10—Halle Chamber Orchestra. Conductor: Zschiesing. March, Unter den Siegesbanner (Blon). Overture, "Fraulein Loreley" (Lincke). Waltz. "Aennchen von Tharau" (Strecker). Extracts, "Tosca" (Puccini). Rococo Gavotte (Pataky). Potpourri (Recktenwald). Para-phrase, Wenn alles wieder sich belebt (Löhr). Waltz-Intermezzo, Wasserspiele (Rusch). Potpourri (Thiele). March (Urbach).

MONTE CENERI, 12.0-News. 12.5-12.30-Records.

BRESLAU, 12.0—Orchestra (contd. from 11.0). In the Interval at 12.15 : News.
BRUSSELS (No. 1), 12.0—Preludes and Overtures by the Radio Orchestra. Conductor : André. Die Weihe des Hauses (Bechoven). Violin Solo : Prelude (Bach-Gounod). Overture, 'Tancredi '' (Rossini). Three Preludes for Pianoforte (Bach). Overture, '' Jassonda'' (Spohr). Prelude for Pianoforte (Bach). Overture, '' Titus '' (Mozart). Prelude for Pianoforte (Prokofiev). Wiener Jubel-Ouvertüre (Suppé).
BRUSSELS (No. 2), 12.0—Orchestra. Conductor : Walpot. Overture, '' Les Hirondelles'' (Hirschmann). Selection, '' Flup '' (Strauss). Selection, '' Eine einzige Nacht'' (Stolz). Overture, '' Totsismo (Kálmán).
BUDAPEST, 12.2—Weather, 12.30—Military Band. Conductor : Figedy-Fichtner. MUNICH, 12.0-See 11.0 Breslau. 12.15-News. 12.25-Records. OSLO, 12.0-Records. In the Inter-val at 12.15 : For Farmers, and at

val at 12.15 : Fo 12.45, Exchange.

PARIS (Poste Parisien), 12.0-Ex-change. 12.5-Request Programme. 12.25-An Interview. 12.35-Reords

PARIS (PTT), 12.0-Tourist Report. 12.15-Orchestra.

PARIS (Radio-Paris), 12.0—Sym-phony Orchestra. Conductor: Labis. Overture, "Timbre d'ar-gent" (Saint-Saéns). Aria (Bach). Suite, Fète galante (Lacome). Seré-ande accenteur/accut (Erlanger). Bul Suite, Pere gainte (Laconie), Series nade carnavaiesque (Erlanger). Bal-let, "Patrie" (Paladilhe). Persian Dance (Guiraud). Scènes alsaciennes (Massenet). Extracts, "Lohengrin" (Wagner). Rève (d'Ambrosio). (Wagner). Rève (d'Ambrosio). Extracts, "Don Quixote" (Mas-senet). Suite, Les forains (Berger). Turkish March (Mozart).

HUIZEN, 2.0—For Women. 2.40— Dressmaking.
KALUNDBORG, 2.0—Scandinavian Music. Radio Orchestra. Con-ductor: Gröndahl. Adel Harlou (Pianoforte). Overture, "Haer-maendene paa Helgeland" (Hart-mann). Ballet, "Aladdin" (Horne-man). Ballet, "Aladdin" (Horne-man). Ballet, "Aladdin" (Horne-man). Ballet, "Aladdin" (Horne-man). Strofe, for Pianoforte, Strings, and Organ (Bartholdy). Extract, "Lackschmi" (Nielsen). Valse triste (Sibelius). By Fröso Church (Peterson-Berger). Dale March (Peterson-Berger). Serenada (Backer-Gröndahl). Norwegian Artists" Carnival (Svendsen). Ex-tracts, "The Kiss" (Enna). March, "The Maid of Orleans" (Söderman).
KÖNIGSBERG, 2.0—Markets. 2.10— Interval at 12.35 : Records ; Ex-change. VIENNA, 12.0-News. 12.10-IENNA, 12.0-News. 12.10-Orchestra (contd. from 11.0). WARSAW, 12.0-News. 12.5-12.30-The Grossman Orchestra.

1 p.m.

- ATHLONE, 1.30—Weather; Ex-change; Records. BERLIN, 1.0—News. 1.15-1.30— Records of Chamber Music. BRESLAU, 1.5—Exchange, 1.10— Announcements; Records. 1.35— Greetings. 1.40—Markets.
- BRUSSELS (No. 1), 1.9-News. 1.10
- Records. --Records. BRUSSELS (No. 2), 1.0-News. 1.10-Records : Light Music. BUDAPEST, 1.0--Military Band (contd. from 12.30), 1.40--House-hold Hints.
- hold Hints. COLOGNE, 1.0—Orchestra (contd. from 11.0), 1.15-1.45—Variety and Light Music. DEUTSCHLANDSENDER, 1.0— Variety 4.55

- DEUTSCHLANDSENDER, 1.0-Variety. 1.55-Announcements. FRANKFURT, 1.0-Records. 1,15-News. 1.30-Industrial Review. 1.45-Exchange. HAMBURG, 1.0-Light Music, 1.15-News. 1.30-Records. HILVERSUM, 1.0-Records. 1.10-Light Music. Cantabile Orchestra. Conductor : Becckman. In the Intervals : Records. HUIZEN, 1.0-Records. 1.40-For Women.
- Orchestra, from Kosice. STOCKHOLM, 2.0—For Schools (cond. from 1.30). STRASBOURG, 2.30—Concert. STUTTGART, 2.15—Shorthand. KALUNDBORG, 1.30—Talk : House-hold Repairs. KÖNIGSBERG, 1.0—News. 1.5—

2 p.m. (contd.)

TOULOUSE (Radio-Toulouse), 2.0-Anusement Guide. VIENNA, 2.0—Exchange; Markets. 2.20—For Women. 2.40—A Children's Choir.

WARSAW, 2.30-News. 2.35-Exchange. 2.45-Light Music. Station Orchestra. Conductor: Nawrot. Ola Carska (Songs).

3 p.m.

BERLIN, . 3.0—Concert Version-"Lauf ins Glück "—Operetta (Ray-mond), by the Metropole Theatre

Orchestra. BEROMÜNSTER, 3.0—See Sottens.

 BEROMUNSTER, 3.0—Sec Sottens.
 3.55—Records.
 BRESLAU, 3.5—Talk: A Tour through Upper Silesia. 3.30– Station Orchestra. Conductor: Topitz. March, Alte Garde (Blume).
 Overture, "Puss-in-Boots" (Hanel).
 Selection, "Eugenc Onegin" (Tchai-kovsky). Märchen aus dem Orient (Strauss) Gallon. Die Lawing Selection, "Eugene Onegin "(Tchai-kovsky). Märchen aus dem Orient (Strauss). Gallop, Die Lawine (Czibulka). Suite, As you like it (Wetzler). Parademarsch der langen Kerls (Roland). Roccoc Gavotte (Pataky). Waltz, "The Count of Luxembourg" (Lehár). Comedy Overture (Leuschner). BUDAPEST, 3.10-For Women. COLOGNE, 3.0-See Hamburg. DEUTSCHLAN DSENDER, 3.0-See

DEUTSCHLANDSENDER, 3.0—See Hamburg. FRANKFURT, 3.0—See Hamburg.

HAMBURG, 3.0—See Hamburg. HAMBURG, 3.0—Variety, by the Station Orchestra and Dance Band. Conductor: Maass. Geb hardt, Beckmann and Grothey (Piano-fortes) and Manz (Saxophone). HILVERSUM, 3.0-3.40-Dressmak-

ing. HUIZEN, 3.0-3.40 — Dressmaking. 3.55—K.R.O. Orchestra. Conduc-'tor: Gerritsen. Overture, "The Force of Destiny" (Verdi). Selec-tion, "The Queen of Sheba" "(Gounod). Potpourri, Lortzing's Liebelingskinder (Urbach). Se-lection, "Der Rosenkavalier" (Streuwe) ction, is

(Strauss). KALUNDBORG, 3.0—Scandinavian Music (contd. from 2.0).

KÖNIGSBERG, 3.0-Records. KONIGSBERG, 3.0-Records. LEIPZIG, 3.0-Leipzig Symphony Orchestra. Conductor: Weber. Spanish Rhapsody (Ferrari). Moor-ish Rhapsody (Herrari). Moor-ish Rhapsody (Herrari). Moor-forte and Orchestra (Mraczek). French Rhapsody (Lacombe). Slav Rhapsody in D minor (Friede-mann). Norwegian Rhapsody in C (Svendsen). MONTE CENERI, 3.0-Sec Sottens. MOSCOW (No. 1), 3.0-News. 3.30

MOSCOW (No. 1), 3.0—News. 3.30 —Communist Party Programme.

--Communist Party Programme. MUNICH, 3.0-Station Orchestra. Conductor: Kloss. Overture, "The Black Domino" (Auber). Bilder aus 'dem Süden (Nicodé). Suite, "Der Rosenkavalier" (Strauss). Selection, "Der Tenor der Herzo-itgin" (Künneke). Minuet (Zanella). Schlummerlied (Lüling). Çarnival "Suite (Siede). BADIS (Brete Basisien). 215-Ev

PARIS (Poste Parisicn), 3.15-Ex-change. 3.45-Exchange.

PARIS (PTT), 3.0—Symphony Con-cert (contd. from 2.30). PRAGUE, 3.0—Orchestra, from Kosice. 3.45—For Children.

ROME, 3.30-Children's Radio Re-view. 3.50-News; Exchange.

view. 3.50-News; Exchange. SOTTENS, 3.0-Radio-Lausanne Or-chestra. Conductor: Desarzens. Defrancesco (Flute). Part I.-Chamber Music. Concerto in D for Flute and Orchestra (Mozart). Sextet for two Violins, Two Violas, and Two 'Cellos (d'Indy). Part II.-'Overture, "Phèdre" (Massenet). Suite, Miniatures (Cui). 3.55-Re-cord.

STRASBOURG, 3.0-Concert (contd.

STRASHOUR, 3.0.—Orchestra. Con-ductor: Schröder. March, "The Queen of Sheba "(Gounod). Scènes pittoresques (Massenet). Extracts, "Don Carlos" (Verdi). Rakoczy Overture (Kéler Béla). Ballfeen-walzer (Reiser). March, Feuert los (Holzmann). Overture, "Gas-parone" (Millöcker). Extracts, "Die Puppenfee" (Bayer). Waltz, "Gipsy Love" (Lehár). Ständchen "Gicke). Hungarian Comedy Over-(Holzmann). Överture, "Gas-parone" (Millöcker). Extracts, "Die Puppenfee" (Bayer). Waltz, "Gipsy Love" (Lehár). Ständchen (Lincke). Hungarian Comcdy Över-ture (Kéler-Béla). Flots de joie (Waldteufel). Einzug der Früh-lingsblumen (Kockert). March (Meissner). TIPIN 336-Nows. 345-Ear

TURIN, 3.35-News. 3.45-For Children.

VIENNA, 3.5-News. 3.10-Instru-mental Records. 3.40-Talk : The

Funicular Railways of the Tyrol. 3.55—Handwork Lesson. WARSAW, 3.0—Light Music (contd. from 2.45). 3.45—Financial Letter-Box.

4 p.m.

BERLIN, 4.0—" Lauf ins Glück— Operetta (Raymond) (contd. from 3.0).

3.0). BEROMÜNSTER, 4.0—See Sottens. BRESLAU, 4.0—Orchestra (contd. from 3.30). In the Interval at 4.30—

Markets. BRNO, 4.45—German Transmission : For Workers; Book Review; For For We Farmers

BRUSSELS (No. 1), 4.55-Announce

BRUSSELS (No. 2), 4.55-Announce-

BUDAPEST, 4.0-Talk. Sevinszki-Kamóczi Orchestra. 4 30-

COLOGNE, 4.0—Sec 3.0 Hamburg 4.30—Nature Study. 4.50—Records.

4.30-Nature Study. 4.50-Records. **DEUTSCHLANDSENDER**, 4.0-See 3.0 Hamburg. 4.30-Sports Talk. 4.50-Rieger (Baritone). At the Pianoforte : Brugger. Aria, "Tannhäuser" Wagner). Songs (Plüddemann) : (a) Einkehr, (b) Schön Margret und, Lord William. Lieder (Schumann) : (a) Intermezzo, (b) Mondnacht, (c) Widmung.

FRANKFURT, 4.0-See 3.0 Hamburg.

HAMBURG, 4.0-Variety (contd. from 3.0). 4.30-Book Review.

HILVERSUM, 4.0—Records, 4.10— Children's Choir. Conductor Hamel. 4.40—For Children.

Hamel. 4.40-For Children. HUIZEN, 4.0-The K.R.O. Orchestra (contd. from 3.55). 4.40-Suite. bergamasque (Debussy) by Jo. Kolvers (Pianoforte). 4.55-The K.R.O. Orchestra (contd.) Selection, "Manon Lescaut" (Puccini), "Boris Godunov" (Mussorgsky) and "I Pagliacci" (Leoncavallo), Ballet russe (Luigini). Selection, "Der liebe Augustin" (Fall).

"Der liebe Augustin" (Fall).
KALUNDBORG, 4.0—For Children.
4.30—Exchange; Poem. 4.45— Gardening Talk.
KÖNIGSBERG, 4.0—Records. 4.20 —Reading. 4.50—For Workers.
LEIPZIG, 4.0—Music of Leipzig Composers. Genzel Quartet. Ballad (Hungar). String Quartet in G minor (Kötschau). 4.35—Topical Talk. 4.50—Exchange.

MONTE CENERI, 4.0-See Sottens

MONCOW (No. 1), 4.20—Opera from the Grand Theatre, with Com-mentary in Foreign Languages. MUNICH, 4.30—Talk : The Art Treasures of Bavaria. 4.50—Luise Walker (Lute).

Walker (Lute). OSLO; 4.0—Minsas Orchestra. Es-paña (Waldteufel). Caucasian Sketches (Ippolitov-Ivanov). Kol Nidrei (Bruch). Auber Potpourri (Urbach). Danza dell'ondino (Ponchielli). Dance (Christiné),

PARIS (Poste Parisien), 4.50-Exchang

change. PARIS (PTT), 4.0—Symphony Con-cert (contd. from 2.30). PARIS (Radio-Paris), 4.0—Exchange. 4.30—English.

4.30—English. PRAGUE, 4.5—Talk :- The University Students of To-day. 4.15—Talk : Amateur Theatricals. 4.25—Re-cords. 4.35—German for Czechs. 4.50—Huml (Bass).

4.53—German for Czechs.
 4.50—Humi (Bass).
 RADIO-NORMANDIE, 4.0—Dance Music. 4.30—For Children: 4.45— Dance Music.
 ROME, 4.0—Recitation. 4.10— Light Music. El Caballero (Rossi). The Eternal Waltz (Fail). Memory (Petralia). Serenatella amorosa (Frontin), Overture, "The Barber of Seville" (Rossini). Screnatella bruna (Rosati). Aria, "L'Arlé-siana" (Cilea). Selection, "La donna perduta" (Pictri). Lullaby (de Micheli).
 SOTTENS, 4.0—Records. 4.10—

(de Micheli). SOTTENS, 4.0-Records. 4.10-Orchestra (contd. from 3.0). Part III. Selection, "Der Schauspiel-direktor" (Mozart). Third Suite (de Micheli). Part IV. Pastoral Music. Part V. Light Music. STOCKHOLM, 4.0-For Children. 4.30-Swedish Song by Walborg Beer. 4.45-Reading.

STUTTGART, 4.0-Orchestra (contd. from 3.0).

TURIN, 4.0—For Children. 4.10—Fer-ruzzi Orchestra. 4.55—Announcements.

ments. VIENNA, 4.0—Handwork Lesson, 4.20—Vienna Schubert' Society's Choir, Conductor: Keldorfer, Fuchs (Baritone). Male Voice Choir with Pianoforte Accompani-ment: Der Wintertag (Schubert) Male Voice Choir a-capella: (a)

Ich halte treulich still (Bach), (b) Abschied von der Geliebten (Handel), (c) Morgenspruch (Fischer). Two Lieder for Baritone (Fuchs) the Composer at the Piano-forte: (a) Trost, (b) Du merkst es kaum. Male Voice Choir a-capella: (a) Nachtwandler (Heu-berger), (b) Alleweil (Laftie). (c) Der Hahbfalz (Pommer), Waltz Song for Male Voice Choir and Pianoforte: Roes from the South Song for Male Voice Choir and Pianoforte : Roses from the South

(Strauss). WARSAW, 4.0—Sonata in F minor (Beethoven) by Leopoid Muenzer. 4.25—Talk on Economics. 4.35— Records: Latvian Music. 4.50— Technical Letter Box.

5 p.m.

BARI, 5.40-For Greece : Italian.

BARI, 5.40—For Greece: Italian. BERLIN, 5.0—Topical Talk. 5.5— For Boys. 5.30—"At the Skating Rink "-Musical Sequence (Dubig-neau-Heddenhausen). Station Or-chestra. Conductor: Steiner. Kaliger, Wenck, and Kate Kühl (Songs). Schneeballenwalzer (Ziehrer). Heitere Schlittenpartie (Chwatal). Auf Skiern (Kark). Lachen im Schnee (Flament). The Skaters' Waltz (Waldteufel). Gallop, Auf der Rodelbahn (Paepke). Petersburger Schlittenfahrt (Eilen-berg). Der Rixdorfer (Philippi). BEROMÜNSTER, 5.0 — Records. BEROMÜNSTER, 5.0 — Records Instrumental Music. 5.30—Talk A Mountain Village. BORDEAUX-LAFAYETTE, 6.30-News.
BRATISLAVA, 6.10-Military Band.
6.55-University Choir.
BRESLAU, 6.0-Radio Play (contd. from 5.50). 6.50-Talk : Industrial Problems.
BRNO, 6.10-Records. 6.15-French.
6.55-Talk.
BRUSSELS (No. 1), 6.5-Talk : Catholic Study Circles. 6.15-Records : "Les songes"-Ballet (Milhaud) by the Paris Symphony Orchestra, conducted by the Com-poser. 6.30-Auguste Verrees (Organ), from the Dominican Church. Pastorale (Guilmant). Choral (Bach). Choral (Karg-Elert). Adagio in B minor (Verrees). Sonata (Mendelssoh).
BRUSSELS (No. 2), 6.30-Records.
BUDAPEST, 6.0-Talk (contd. from 5.55), 6.30-Relay from the Royal Opera House. In the Interval, News.
COLOGNE. 6.0-See Deutschland-

- BRATISLAVA, 5.0—Hungarian Transmission : Slovak. Feder (Violin). 5.45—Talk : Bills of Exchange.
- BRESLAU, 5.0-Reading. 5.10-Accordion Solos. '5.40-Announce ments ; Markets.' 5.50-" Sturm überm 'Acker "-Play (Wittek). Sturm
- RNO, 5.0—German Transmissior (contd. from 4.45), 5.20—Records 5.35—Music Review, 5.50— Local News; For Housewives. BRNO
- BRUSSELS (No. 1), 5.0—Beethoven Concert. Radio Orchestra. Con-ductor: André. Nahum Sluszny (Pianoforte). Overture, "Prome-theus." Pianoforte Concerto in C. 5.30—For Children.
- BRUSSELS (No. 2), 5.0—Records. 5.45—Music for Children.
- BUDAPEST, 5.0—French. 5.55— Talk with Records : Germany. COLOGNE, 5.0—For Boys. 5.30— Talk : Cologne, 5.45—Exchange ; Sports Notes.
- Sports Notes. DEUTSCHLANDSENDER, 5.20-Talk: Puppet Plays. 5.40 -
- Talk : Puppet Plays. Political Press Review.
- FRANKFURT, 5.0-Italian, 5.15-Industrial Report, 5.30-Talk: Deep Sea Diving, 5.45-Exchange; Announcements, 5.50-Talk: Industrial Problems,
- HAMBURG, 5.0—Topical Talks. 5.45—Exchange.
- 3.43-Exchange. HILVERSUM, 5.0-For Children. 5.10-Talk. 5.40-Lyra Trio. HUIZEN, 5.0-The K.R.O. Orchestra (contd. from 4.55). 5.40-Jo Kolvers (Pianoforte). Selection, "Zomervreugd" (Kolvers). Piece (Ravel). 5.55-Records.
- KALUNDBORG, 5.0— Gardening Talk (contd. from 4.45). 5.15— German, 5.45—Announcements.
- KÖNIGSBERG, 5.15-Markets 5.30-Review of Books and Maga-KÖNIGSBERG, 5.30-Review of Books and zines for Boys. LAHTI, 5.15-Linnea Hovio (Piano-Corte). 5.40-Olivia Gebhard
- LEIPZIG, 5.0—Cannibals, Coal and Petroleum: Reminiscences of the South Sca Islands. 5.20—Folk Song Programme. 5.50—Greifen-stein Seuence
- Song Programme. 5.50—Greifen-stein Sequence. MORAVSKA-OSTRAVA, 5.10— Social Notes. 5.20—German Trans-mission : For Farmers ; Italian and French Songs by Ada Weingart.
- MOSCOW (No. 1), 5.0—Opera Relay (contd. from 4.20). MUNICH, 5.0—Lute (contd. from 4.50). 5.10—For Young People. 5.30—Station Orchestra, Con-ductor: Winter, Staab (Piano-force) forte).
- OSLO, 5,0—For Farmers. For Women. 5.30-
- PARIS (PTT), 5.0—Lecture from the Sorbonne : Victor Hugo's Books
- PARIS (PTT), 5.0—Lecture from the Sorbonne: Victor Hugo's Books written in Exile.
 PRAGUE, 5.0—Humi (Bass). 5.10— For Farmers. 5.20—German Folk Music. Wally Hornerová (Soprano), Preger (Tenor) and Orchestra. 5.55—News in German.
 RADIO-NORMANDIE, 5.0—Dance Music. 5.15—Light Music. 5.45— Hawaiian Guitar,
- by a Member of the Nanga Parbat Expedition. OSLO, 6.0—Announcements. 6.15— News. 6.30—Spivarov (Pianoforte). Prelude and Fugue in D flat minor (Bach). Nocturne (Chopin). Maz-urka (Chopin). The Monastery (Borodin). Waltz, Soirées de Vienne (Liszt).

TUESDAY Jan. 29

ROME, 5.0—Corn Prices. 5.10-5.15—Atmospheric Signals. SOTTENS, 5.0—Talk : Metallurgy 5.25—Children. 5.45—Records.

STOCKHOLM, 5.0-Reading. 5.15

TURIN, 5.0-5.10-For Farmers ; Corn

Prices. VIENNA, 5.0—Talk : Modern School Architecture. 5.25—French.

Architecture. 5.25—French. 5.50—Talk : Physics. WARSAW, 5.0—For Farmers. 5.10— Art Notes. 5.15—The Rymowicz Trio. 5.45—Literary Programme.

6 p.m.

ATHLONE, 6.0-For Children. 6.45

-News. BARCELONA, 6.0-Pianoforte. BARI, 6.15-News in Foreign Lan-

BARI, 6.15—News in Poreign Lattraguages.
BERLIN, 6.0—"At the Skating Rink" —Musical Sequence (cond. from 5.30), 6.30—Evening Echoes, 6.45 —Winter Sports Report from Garmisch-Partenkirchen.
BEROMÜNSTER, 6.0—Educational Notes. 6.10—Records: Opera Music, 6.20—Talk: Opera of Yesterday and To-day. 6.55— Klingler Quartet.
BORDEAUX-LAFAYETTE, 6.30— News.

COLOGNE, 6.0—See Deutschland-sender. 6.30—Records. 6.50 sender, 6.30-Records. 0.30-Snapshots. DEUTSCHLANDSENDER, 6.0-Report: Aerial Defence Training in Schools. 6.20-Waltz Records.

in Schools. 6.20—Waltz Records. FRANKFURT, 6.20—Orchestra. Con-ductor: Schmidt. Comedy Over-ture (Koester). Waltz (Richter). Oriental Scene (Rust). Waltz, Winterstürme (Fučik). March

Winterstutine (Lüling). 6.0—Humorous Pro-gramme with Records. 6.45— Winter Sports Report from Gar-misch-Partenkirchen.

misch-Parienkirchen. HILVERSUM, 6.0-Lyra Trio. 6:40 —Talk : The Stamp Act. HUIZEN, 6.0-Records. 6:20-Esperanto. 6:40-Police Messages. 6:55-Talk. KALUNDBORG, 6:0-News. 6:17 —Sound Film Extracts: (a) "La Paloma," from the Carlion Theatre, (b) "Dames." from the Alexandra Theatre. 6:30-Talk: Cleopatra.

Theatre. 6.30—Talk : Cleopatra. KÖNIGSBERG, 6.0—News. 6.10— Bandonion Music. 6.45—Winter Sports Report from Garmisch-Partenkirchen. LAHTI, 6.5—Talk. 6:30—Orchestra. Conductor : Linko. Märtha Foge-holm-Peppink (Violin). Overture, "Rosamunde" (Schubert). Three Scottish Melodies (Gilson). Fin-nish Dances (Klemetti-Koskimics). Chaconne (Vitali). Italian Suite (Ranta). The Flute of Sans-Souci (Graener).

(contd. from 5.50). 6.35—Talk : Hans Jakob Christoffel von Grim-

melshausen. LYONS (La Doua), 6.0—Talk. 6.30

LYONS (La Doua), 6.0—1alk. 6.30 —News. MONTE CENERI, 6.15—Medical Talk.: Neurasthenia. 6.30—Italian Song Records. 6.45—News. MORAVSKA-OSTRAVA, 6.55—Talk. MOSCOW (No. 1), 6.0—Opera Relay (contd. from 4.20). MUNICH, 6.0—Sce Deutschland-sender. 6.20—Station Orchestra. Conductor: Winter. 6.40—Report by a Member of the Nanga Parbat Expedition.

STRASBOURG, 5.0-Concert. STUTTGART, 5.0—French. 5.15— For Workers. 5.30—"The Military March as an Historical Memorial" Sequence (Spindler).

5 10-

- PARIS (Poste Parisien), 6.25-Ex-change: 6.30-Protestant Address. 6.50-Film Review. 6.57-Topical
- Talk. PARIS (PTT), 6.0—Extracts, "Va-cances"—Operetta (Yvain). 6.30
- -News. PARIS (Radio-Paris). 6.0-Shipping.
- PARIS (Radio-Paris). 6.0—Shipping. 6.15—Weather; For Farmers; Talk; Markets; Exchange; Rac-ing. 6.30—Sports. 6.40—German.
 PRAGUE, 6.0—News. 6.10—Mili-tary Band, March (Modr). Over-ture, "Zampa" (Héroid). Slav Dance No. 9 (Dvořák). Sclection, "Mignon" (Thomas). March (Stolc). Waltz, "The Nuteracker Ballet" (Tchaikovsky). National March (Uhlir). 6.55—Talk.
 PADIO-NORMANDIF. 6.0—For
- RADIO-NORMANDIE, 6.0-For Children, 6.50-Local News: ROME, 6.0-Announcements, 6.15-News in Foreign Languages.
- SOTTENS, 6.0—Book Review. 6.20 —Records. 6.40—Talk: The State and the Individual.
- State and the Individual. STOCKHOLM, 6.0-Records. 6.15 -News. 6.30-Spanish Songs by Rut Bissmarck. Songs (Falla): (a) El Paño moruno, (b) Asturiana. Folk Songs (arr. Schindler): (a) Los pastores, (b) La Pastoreta. Songs (Nin): (a) Paño Murciano, (b) Alma Sintamos, (c) El Vito. 6.50-Talk. an. uriana. (a)
- 6.50-Talk. STRASBOURG, 6.0-Legal Talk in German. 6.15-Topical Talk. 6.30-Station Orchestra. Conductor: de Villers. Roskam ('Cello). Pre-lude, "Lohengrin" (Wagner). Se-lection, "Der Rosenkavalier" (Strauss). Arab Suite (Dyck). 'Cello and Orchestra: Kol Nidrei (Bruch). Suite, "Izéyl" (Pierné). Scherzo (Lalo).
- Scherzo (Lato). STUTTGART, 6.0—March Sequence (contd. from 5.30). 6.15—A Visit to a Sword-maker's Workshop. 6.30—"Häberle and Pfleiderer"— Sketch (Hofmeier).
- 615
- TURIN, 6.0—Announcements. 6.15 —News in Foreign Languages. VIENNA, 6 5—Local News. 6.25— Announcements. 6.35—"Fredi-
- Announcements. 6.35—" Fredi-gundis "—Opera in Three Acts (Franz Schnidt) by, the Vienna Symphony Orchestra, the State Opera Choir, and Soloists. Con-ductor: Kabasta.
- ductor: Kabasta, WARSAW, 6.0—Szafranck (Violin). Resignation (Sinigaglia). Canzon-etta (d'Ambrosio). Orientale (Cui). Soap Bubbles (Hubay). German Dance (Dittersdorf-Szafranek). Slev Dance (Dvořák-Kreisler). 6.20-Topical Talk. 6.30—Dance Music by Zynski (Pianoforte). 6.45-Programme Announcements. 6.50-Sports Notes.

7 p.m.

ATHLONE, 70-Talk in Ir.sh by Tadhg O'Scanaill, 7.15-Talk by. H. Barry Lanchester: Charles Dickens, 7.31-H. R. White Con-cert. Station Orchestra. Conduc-tor: The Composer. BARCELONA, 7.0 - Pianoforte; Records, 7.15-News; Exchange, 7.30-Tourist Report in Catalan, 7.45-Exchange. BARI, 7.10-For Greece. Announce-ments: Music.

BARI, 7:10—For Greece Announcements; Music,
 BERLIN, 7:0—News, 7:15—See Deutschlandsender.
 BEROMUNSTER, 7:0 — Klinger Quartet. 7:25.—Radio Orchestra.
 Conductor: Gilbert. 7:45—Flugo Wolf Songs. Helene Falirni (Sonrano)

Conductor: Gilbert. 7.43--11090 Wolf Songs. Helene Falimi (Soprano). BORDEAUX - LAFAYETTE, 7.45-Talk for Women. BRATISLAVA, 7.0 - University Choir (contd. from 6.55). BRESLAU, 7.0-Art Notes. 7.15-See Deutschlandsender. BRNO, 7.30-""The Orphan"-Drama (Kvapil). Incidental Music by Ostroil. Actors of the National Theatre, a Mixed Choir, a Children's Choir and the Station Orchestra. Conductor : Bakala. BRUSSELS (No. 1), 7.0-Marie Vinette (Songs). Liebesbotschaft (Schubert). Der Nussbaum (Schu-mann). Vergebliches Ständehen (Brahms). Prière normande (Cap-let). 7.15-Wireless Notes. 7.30-Colonial Review; Sports Notes.

TUESDAY Jan. 29

7 p.m. (contd.)

BRUSSELS (No. 2), 7.0-Talk by Jef Rens. 7.15-Records. 7.30-For

BUDAPEST, 7.0—Opera Relay. COLOGNE, 7.0—News, 7.15—See

COLOGNE, Deutschlandsender. 7.0-DEUTSCHLANDSENDER, 7.0-News, 7.15---- Ern Motto; News. 7.15-" Ernst Moritz Arndt "-Sequence (Burg-

rdt

- FRANKFURT, 7.0—News. 7.15— See Deutschlandsender.
 HAMBURG, 7.0—News. 7.15—See Deutschlandsender.
 HILVERSUM, 7.0—News. 7.45—Talk by Dr. Slotemaker de Bruine : A Mon-ument to the Memory of Queen Fmma.
- ument to the Memory of Queen Emma.
 HUIZEN, 7.0-Talk. 7.25-Records.
 7.40-News. 7.45-K.R.O. Or-chestra. Conductor: Gerritsen.
 Lucian Donrodziccki (Tenor).
 Overture, "The Italian Girl in Algiers" (Rossini). Arias: (a) "Aida "(Verdi). (b) "L'Africaine" (Meyerbeer). Two Slav Dances (Dvorák). Air, "Halka" (Monius-zko). Selection, "Martha" (Flo-tow). Tenor Songs: (a) La Rimem-branza (Denza), (b) Fuggimi (Den-za). (c) For you alone (Peel).
 JUANLES-PINS (Radio Côte

za). (c) For you alone (Peel).
JUAN-LES-PINS (Radio Côte d'Azur), 7.15-Concert; Amuse-ment Guide. 7.35-Topical Talk.
7.40-For Farmers, 7.50-English.
KALUNDBORG, 7.0-Chimes. 7.2-Danish Folk Ballads by Einar Juhl.
7.15-Topical Talk. 7.45-To be announced. 7.55-Radio String Orchestra. Conductor: Reesen.
Prelude, Holberg Suite (Grieg). To Spring (Grieg). Waltz, Serenade in E (Dvořák). Canzonetta (Herbert).
Al' Ongarese (Glazunov).
KÓNIGSBERG, 7.0-News. 7.15-

All Ongarese (Glazinov), KÖNIGSBERG, 7.0–News. 7.15– See Deutschlandsender, LAHTI, 7.45–News. 7.15–See Deutschlandsender, LYONS (La Doua), 7.30–Press Re-view. 7.40–Legal Talk. 7.50– Talk.

Deutschlandbelider.
LYONS (La Doua), 7.30—Press Review. 7.40—Legal Talk. 7.50— Talk.
MADRID (EAJ7), 7.15—Orchestra.
MONTE CENERI, 7.0 — Sigfrido Menghini and Rodolfo Leuzinger (Bassoons). Maestoso (Orselil).
Two Movements (Krakamp): (a) Allegretto con brio, (b) Largo. Sonata (Mozart). 7.45—Opera Arias by Toti dal Monte (Soprano) and Tito Schipa (Tenor) on Records.
MORAVSKÅ - OSTRAVA, 7.0— Talk. 7.10—Moravian Folk Songs (arr. Kalik).
MOSCOW (No. 1), 7.0—Opera Relay (contd. from 4.20).
MUNICH, 7.0—News. 7.15—See Deutschlandsender.
OSLO, 7.0—Legal Talk. 7.30—Station Orchestra, Conductor: Kramm. March (Hanssen). Overture, "Light Cavalry" (Suppé).
Nuteracker Suite (Tchaikovsky).
Erinnerung ans Zillerthal (Hoch).
Intermezzo (Schreiner). Piece (Prichysta). Połka (Vollsted).
Waltz (Hall). March (Halvorsen).
PARIS (Poste Parisien), 7.0—Copicat Talk. 7.4—Records. 7.4—Sports. . Waltz (Hall). March (Halvorsen). PARIS (Poste Parisien) 7.0—Topicał Talk. 7.4—Records. 7.7—Sports. 7.10—News. 7.25—Amusement Guide. 7.30—"Paris". Pro-gramme by Lys Gauty and Lestelly. PARIS (PTT), 7.0—News. 7.30— Talk : Economics. 7.45—Talk ; Popular Science. 7.53—Educational Talk.

Talk. PARIS (Radio-Paris), 7.0—Dialogue. 7.20—Humorous Press Review. 7.30

--Topical Tałk. PRAGUE, 7.0--Talk. 7.10--Sce Moravská-Ostrava. 7.30--See Brno.

Moravská-Ostrava. 7.30-See Brno.
RADIO - NORMANDIE, 7.0-Operetta Music.
ROME, 7.0-News; Sports Notes. 7.10 - 'Records. 7.30 - News; Government Notes. 7.45-Concert (Mozart, Vitali, Brahms).
SOTTENS, 7.0-Concert from La Chaux-de-Fonds. Conductor: Duquesne. Polonaisc (Vidal). Overture, "Ruy Blas" (Mendelssohn).
Ballet Music, "Mascarade" (Lacôms). Marche héroique (Saintsaéns). 7.40-"The Wireless Set" - One-Act Comedy (Simon).

-One-Act Comedy (Simon). STOCKHOLM, 7.0-Talk. 7.20-Waldemar Aahlen (Organ), Karen Borresen (Songs) and Lottie An-dreasson (Violin), from St. Jacob's Church. Organ: Partita on "Sci gegrüsset" (Bach). Songs (Bach). Violin and Organ: Sonata (Em-berg). Songs (Nielsen). Organ: Partita (Olson). STB ASBOLIBC 7.0 Organ:

Partita (Olson). STRASBOURG, 7.0 — Orchestra (contd. from 6.30). 7.30—News; Lottery Results. 7.45—Records. STUTTGART, 7.0—News. 7.15—See Deutschlandsender.

TOULOUSE (Radio-Toulouse), 7.0– Symphony Orchestra (contd. from 6.45). 7.10–Songs. 7.20–Operetta Music. 7.30–News. 7.45–Medical TURIN, 7.0—News ; Records. 7.30— Announcements ; Government

TURIN, 7.0—News; Records. 7.30— Announcements; Government Notes. 7.45—Records.
VIENNA, 7.0—"Fredigundis" — Opera (Franz Schmidt) (contd. from 6.35).
WARSAW, 7.0—Station Symphony Orchestra. Conductor: Oziminski. Andersson (Songs). Suite, Vasan-lasena (Halvorsen). Songs. Gipsy Dance, "Manru" (Paderewski). Songs. Kleiner Wiener Marsch (Kreisler). 7.45—News. 7.55— Talk: Work in Poland.

8 p.m.

8 p.m. ATHLONE, 8.0-Patrick Kirwan (Tenor). 8:10-Station Orchestra. 8:30-Patrick Kirwan (Tenor). 8:40 -T. Fleischmann (Pianoforte). BARCELONA, 8:0-Sports Notes; Records. 8:30-News; Book Review; Records. 8:55-Exchange. BERLIN, 8:0-The Weinkauf Trio and Adelheide Pickert (Soprano). Trio in C (Haydn). Lieder (Löwe): (a) Mädchen sind wie der Wind, (b) Canzonetta, (c) Die Mutter an der Wiege, (d) Kleiner Haushalt. Lieder (Schubert): (a) Der Schmetterling, (b) Der Jüngling an der Quelle, (c) Seligkeit. Trio in E flat (Beethoven). BEROMUNSTER, 8:0-News. 8:10-Petite Suite (Debussy). Radio Or-chestra. Conductor : Gilbert. 8:25 Petite Suite (Debussy). Radio Or-chestra. Conductor : Gilbert. 8.25 —Norbert Schiller reads Fairy

Stories. BORDEAUX-LAFAYETTE, Topical Talk. 8.15-News 8.0

—Norbert Schiller reads Fairy Stories.
 BORDEAUX-LAFAYETTE, 8.0 — Topical Talk. 8.15—News; Ex-change; Lottery Results; Markets. 8.30—See Strasbourg.
 BRESLAU, 8.0—"Songs of the Napoleonic Wars"—Male Voice Choir. Conductor : Kupfermann. Prayer (Weber). Swabian Folk Song, Reiters Morgengesand (arr. Wohl-gemuth). Trostlied (Otto). Schwert-lied (Weber). Lützows wilde Jagd (Weber). Gebet während der Schlacht (Hummel). Das Eisenlied (Methfessel). Von Freiheit und Vaterland (Goepfart). Das Lied vom Rhein (Nägeli). Freiheit (Gross). Trinklied (Gelisdorf).
 BRNO, 8.0—"The Orphan " (Kva-pil) (contd. from 7.30).
 BRUSSELS (No. 1), 8.0—Operetta Music. Sitation Orchestra. Con-ductor : Walpot. Piergyl (Songs).
 BRUSSELS (No. 2), 8.0—Radio Or-chestra. Conductor : André. Ver-vest and Kemna (Accordions). Joyeuse marche (Chabrier). Accor-dion Duets : (a) March (Van Herck), (b) Waltz, Bille de billard (Van Herck), (c) Forton, Rita (Bastien). Valse triste (Sibelius). Accordion Duets : (a) Slow Foxtrot (Fain), (b) Waltz, La valse qui tourne (Van Herck), (c) Tango (Van Herck). Overture, "William Tell" (Rossim). 8.05, 6.0—Opera Relay. COLOGNE, 8.0—Dance Music. DEUTSCHLANDSENDER, 8.0" DE Schwärmer" A Political Cabaret by Otto Kermbach's Orchestra and Soloists.—
 FRANKFURR, 8.0—Symphony No, 7 in E (Bruckner). by the Station

Otto Kermbach's Orchestra and Soloists.
PRANKFURT, 8.0—Symphony No. 7 in E (Bruckner)- by the Station Orchestra, Conductor: Rosbaud.
HAMBURG, 8.0—Operetta Music— Station Choir, Orchestra, Dance Band and Soloists.
HILVERSUM, 8.0—Operetta Music— Station Choir, Orchestra.
HUIZEN, 8.0—The K.R.O. Orchestra (contd. from 7.45). 8.40—Talk : Film Review. 8.55—Symphony No. 5 (Bruckner).
K.R.O. Symphony Orchestra. Conductor : Henri van Goudoever.
JUAN-LES-PINS (Radio Côte d'Azur), 8.0—News. 8.15—Records.
KALUNDBORG, 8.0—Orchestra (contd. from 7.55). 8.20—Talk : Sir Walter Scott.
KÖNIGSBERG, 8.0—State Theatre

(contd. from 7.55). 8.20—Talk : Sir Walter Scott.
KÖNIGSBERG, 8.0—State Theatre Orchestra. Conductor : Kallipke. Johannes Strauss (Pianoforte). Hun-garian Rhapsody No. I (Liszt). Pianoforte Concerto No. I in E minor (Chopin).
LAHTI, 8.0—News in Swedish.
LEIPZIG, 8.0—"Song Hits for 1935" —the EmDe Orchestra, and Soloists. Conductor : Schröter.
LYONS (La Doua), 8.0—Fantasies.
8.10—Medical Talk. 8.30—See Strasbourg.

8.10—Medical Taik. 6.30—See Strasbourg.
 MADRID (EAJ7), 8.0—Orchestra.
 8.15—News; Puchol (Baritone).
 MONTE CENERI, 8.0—Station Orchestra. Conductor: Leopoldo Casella. Keller and Louis Gay des Combes (Violins). Overture, "Sophonisbe" (Paer). Concerto for Two Violins and String Quintet (Vivaldi), Nocturne (Martucci). Suite siziliana (Marinuzzi).

(Marinuzzi) MUNICH, 8.0-See Deutschlandsender. OSLO, 8.0—Orchestra (contd. from 7.30). 8.40—News. PARIS (Poste Parisien), 8.0—Inter-

WORLD-RADIO

lude. 8.10—Exchange. 8.15—Bach Concert. Conductor : Mathieu.

 lude. 8.10—Exchange. 8.15—Bach Concert. Conductor: Mathieu.
 Suite in D. Songs. 8.45—Interlude. 8.55—Exchange.
 PARIS (PTT), 8.0—" Dances of the Nations "-on Records. Norwegian Dances (Grieg). Polovisian Dances, " Prince Igor" (Borodin). Czardas (Monti). Mazurka (Chonin). Iotardas Prince Igor" (Borodin). Ca Ionti). Mazurka (Chopin). (Monti). Jota

"Prince Igor" (Borodin). Czardas (Monti). Mazurka (Chopin). Jota Valenciana (Granados) Tarantella (Popper). Waltz, "Wienerblut" (Strauss). 8.30—See Strasbourg.
 PARIS (Radio-Paris), 8.0—Talk : Vir-tuosity. 8.30 — Press Review; Weather. 8.45—Chamber Music with Songs and Recitations. Station Quintet. Marcelle Gérar (Songs) and Suzanne Nivette (Recitations). Quartet (Grieg). Songs : (a) Two Negro Songs (Beers), (b) Two Negro Spirituals (Burleigh), (c) Three Chinese Poems (Bartard). Recita-tions. Songs : (a) Marieh (Bréville), (b) Deux chants laotiens (Tomasi), (c) Two Chinese Melodies (Roussel), (d) Indian Lament (Dvořák).
 PRAGUE, 8.0—See 7.30—Brno.

Quintet, Dumky (Dvořák). PRAGUE, 8.0-Sce 7.30-Brno. RADIO-NORMANDIE, 8.0-Topical Talk. 8.15-Records. 8.30-Opera and Operetta Music. Song, "Les deux avares" (Grétry). Extracts, "Marouf" (Rabaud). Extract "The Tales of Hofimann" (Offen-bách). Two Arias, "Romeo and Juliet" (Gounod). Song, "Richard Coeur-de-Lion" (Grétry). Aria, "I) Trovatore" (Verdi). REYKAJAVIK, 8.0-Light Music-8.50-Announcements.

50-Announcements ROME, '8.0-Concert (contd. from

7.43).
SOTTENS, 8.0—" The Wireless Set" (Simon) (contd. from 7.40). 8.15— News. 8.25—Janc Pierly (Songs). Part I. Sixteenth and Seventeenth Century Songs: (a) Sur les bords de l'ile, (b) Le peau de mari, (c) Le Fiancé de Rosette. Part II. L'œillet rouge (Nino-Cliquet-Pleyel). Mon rayon de soleil (Bayle-Simonot) Ton amour êst un joli Navire (Sab). Où vas-tu? (Kamké-Walberg). Soleil (Zimmer-Lenoir).
STOCKHOLM, 8.0—Organ, ; Songs ; Violin (contd. from 7.20). 8.15— Literary Review. 8.45—News.
STRASBOURG, 8.0—News in Ger-man. 8.30—" Julius Caesar "—Opera (Handel), from the Municipal Theatre Conductor : E. G. Munch. John Brownlee (Caesar.)
STUTTGART, 8.0—See Deutsch-landsender. SOTTENS, 8.0-" The Wireless Set

landsender. TOULOUSE (Radio-Toulouse), 8.0– Medical Talk. 8.15–Duets. 8.30–

Light Music. TURIN, 8.0—" Dibuk "--Opera (Roc-ca), from the Teatro Regio, Turin. (Oltrabella, Cravenco, Logiudice, Paci). In the Interval, Talk ; Lit-Note

erary Notes. VIENNA, 8.0—" Fredigundis "—Op-era (Franz Schmidt) (contd. from 6.35). In the Interval at 8.10,

WARSAW, 8.0—"A Musical Cocktail" -Music by Haydn Wood, Dostal Himmel, Noceti, Flato, Beketii Brown and Benatzky. Flato Or-chestra; Vocal Trio.

9 p.m.

ATHLONE, 9.0-Nora Finn (Con-tralto). 9.15-Moirin O'Connor (Violin). 9.30-Station Orchestra: 9.45-Molly Flynn (Flute). BARCELONA, 9.0-Chimes. 9.5-Announcements; For Seamen, 9.10 -Opera from the Gran Teatro del

BERLIN, 9.0-News. 935-500

BEROMÜNSTER, 9.0-Radio Or-chestra. Conductor : Gilbert. 9.15

chestra. Conductor : Gilbert. 9.15 —Weather. BORDEAUX-LAFAYETTE, 9.0—See

Weather.
BORDEAUX-LAFAYETTE, 9.0—See
8.30 Strasbourg.
BRATISLAVA, 9.15—News in Hungarian.
9.30-9.45—Records.
BRESLAU, 9.0—News.
9.20—See
Munich.
9.35—Wireless Notes.
9.45—Dance Music.
BRUSSELS (No. 1), 9.0—Talk : The Belgian Choir Schools.
9.15—Flemish Music by the Radio Orchestra.
Conductor : André. Soloist : Mile. Vinette (Songs).
March from "Klokke Roeland" (Tinel). Song, "Quentin Durward" (Gevaert).
Ballet, "Milenka" (Block).
Song, "La route d'Emeraude" (de Bock).
Petit ballet (Candacl).
BRUSSELS (No. 2), 9.0—Extracts from "Peer Gynt" (Ibsen). with Music by Grieg. The S.A.R.O.V. Dramatic Club. Station Symphony Orchestra.

Orchestra. BUDAPEST, 9.0—Opera Relay. 9.30 —Imre Magyari Cigány Band. COLOGNE, 9.0—News. 9.20—See Munich. 9.35-9.50—Shorthand. DEUTSCHLANDSENDER, 9.0 —

FRANKFURT, 9.0—News. 9.20-See Munich. 9.35—Light Music. 9.20-

HAMBURG, 9.0-Operetta Music. (contd. from 8.0). 9.30-News. 9.55 -Orchestra from Stettin. Conduc-tor : Plato. Polonaise No. 2 (Liszt). tor: Plato. Polonaise No. 2 (Liszt) Humoresque (Reger). Overture "Mignon" (Thomas). Selection "Casanova" (Strauss-Benatzky) Orchideen-Walzer (Schönian). Balle Suite (Lautenschläger). March (Latano) March

[IANUARY 25, 1935

HUIZEN, 10.0-Records. 10.10-News. 10.15-K.R.O. Symphony Orchestra. Conductor: Henri van Goudoever. Raya Garbousova

orchestra. Conductor : Henri van Goudoever. Raya Garbousova (°Cello). 'Cello. Concerto (Saint-Saëns). Suite No. 2 from "L'Arlési-enne" (Bizet). 10.55-Dance Re-cords.

cords. KÖNIGSBERG; 10.0 — Chamber Music (contd. from 9.35). LEIPZIG, 10.0—Dance Tunes Old and New (contd. from 9.35). MADRID (EAJ7), 10.0—Chimes. 10.5—News. 10.30—Relay from a Theatre.

10.5-News, 10.50-New, Theatre, MOSCOW (No. 1), 10.5-Dutch Talks: (a) Abolition of Class Distinction, (b) Trade Unions as Schools for Politicians. MUNICH, 10.0-See Deutschland-

sender. PARIS (Poste Parisien), 10.0—" Chan-sons de Mianka" (Georges). 10.30—Records; Exchange. PARIS (PTT), 10.0—See 8.30 Stras-bourg. 10.30—News. PARIS (Radio-Paris), 10.0—Chamber Music (contd. from 8.45). 10.30— Dance Music.

Music (Content in the Music RADIO-NORMANDIE, 10.0—Light Classical Music. La folia (Corelli). Adagio from the Moonlight Sonata (Beethoven). Second Hungarian

Adagio from the Moduline Augarian (Beethoven). Second Hungarian Rhapsody (Liszt). Pavane pour une infante défunte (Ravel). Hungarian Comedy Overture (Kéler-Béla). Trio in C minor (Brahms). Les préludes (Liszt). Sonata in C minor—the "Pathetic" (Beethoven). En bateau (Debuscy)

(Debussy). REYKJAVIK, 10.0-Emil Thoroddsen

(Debussy).
REYKJAVIK, 10.0—Emil Thoroddsen (Pianoforte); Icelandic Song Records; Dance Music.
ROME, 10.0—News.
STRASBOURG, 10.0 — "Julius Caesar "_Opera (Handel) (cond. from 8.30).
STUTTGART, 10.0—See 9.35 Leipzig.
TOULOUSE (Radio-Toulouse), 10.0—Sound-Film Music. 10.15—North African News. 10.30—Selection, "Lohengrin "_Opera (Wagner).
TURIN, 10.0—Tibuk "_Opera (Rocca) (cond. from 8.0) After the Opera: News, followed by Announcements in Spanish.
VIENNA, 10.0—News. 10.20—Military Band.
WARSAW, 10.0—Aviation Notes. 10.5—Dance Music by the Kwiccinski Band from the Oaza.

11 p.m. BARCELONA, 11.0-Opera (contd.

BARCELONA, 11.0—Opera (conta. from 9.10). BORDEAUX-LAFAYETTE, 11.0— See 8.30 Strasbourg. 11.15 (approx.) —Amusement,Guide. BUDAPEST, 11.0—Records. 11.5—

News. DEUTSCHLANDSENDER, 11.0 – Gala Radio Variety (contd. from 10.0).

FRANKFURT, 11.0—Records : "Fi-delio''—Opera (Beethoven) and Chamber Music Records.

HILVERSUM, 11.0-11.40—Kovacs Lajos Orchestra.

HUIZEN, 11.0-11.40-Dance Re-

cords. LEIPZIG, 11.0-11.30—Dance_Tunes Old and New (contd. from 9.35). LYONS (La Doua), 11.15—News. MADRID (EAJ7), 11.0—Theatre Re-lay (contd. from 10.30). In the interval at 11.45, News.

PARIS. (Radio-Paris), 11.0-Dance RADIO-NORMANDIE, 11.0-Light

Music. REYKJAVIK, 11.0—Dance Music. STRASBOURG, 11.0—"Julius Caesar"—Opera (contd. from 8.30). 11.15—News.

11.15—News. STUTTGART; 11.0—See Frankfurt. TOULOUSE (Radio-Toulouse), 11.0— Selection, "Lohengrin" (Wagner) (contd. from 10.30), 11.5—Light Music. 11.15—Chansonnettes, 11.30 —Orchestra. 11.50—Songs. VIENNA, 11.0—The Biedemeier Quartet.

12 midnight BARCELONA, 12.0-News. FRANKFURT, 12.0-Records (contd.

RADIO-NORMANDIE, 12.0—Dance Music. 12.30—Light Music. STUTTGART, 12.0—Sec 11.0 Frank-

TOULOUSE (Radio-Toulouse), 12.0-

News. 12.5—"Au caveau de minuit"—Radio Fantasy. 12.15-12.30—Opera Music. Prelude, "Parsifal" (Wagner). Selection, "Tales of Hoffmann" (Offenbach).

1 a.m. (Wednesday)

RADIO-NORMANDIE, 1.0—News. 1.10—Dance Music.

Ouartet

from 11.0).

the

- Orchideen-watzer (Schultzer), March (Lattenschläger). March (Lattenschläger).
 HILVERSUM, 9.0—Orchestra. 9.40
 —"The Three Musketeers "—Play (after Duntas).
 HUIZEN, 9.0—Symphony No. 5 in B (Bruckner) (contd. from 8.55). 9.55—Records.
 JUAN-LES-PINS (Radio Côte d'Azur), 9.0—News. 9.15—French Music. Radio Orchestra. Conductor : Reesen. Extracts, Concert dans legoùt theàtral (Couperin-Cortot). Mother Goose Suite (Ravel). Nuages (Debussy).
 KÖNIGSBERG, 9.0—News. 9.20—
- (Ravel). Nuages (Debussy). KÖNIGSBERG, 9.0-News. 9.20-Political Press Review. 9.35-Recital Margarete Krämer Bergau (Contralto), Edith von Voigtländer (Violin) and Wiemer (Pianoforte). LEIPZIG, 9.0-News. 9.20-See Munich. 9.35-Dance Tunes Old and New by the Station and EmDa Orchestras and Soloists. Conduc-tor : Schröter.

Orchestras and Soloists. Conduc-tor : Schröter. MADRID (EAJ7), 9.0—Sextet. In the Interval : Literary Review. MOSCOW (No. 1), 9.5—French Talk : The 1935 Economic Plan. MUNICH, 9.0—News ; Exchange. 9.20—Winter Sports Report from Garmisch-Partenkirchen. 9.35—To be anouuced

be announced. OSLO, 9.0-Topical Talk. 9.15-

OSLU, 9.0-Topical Reading. PARIS (Poste Parisien), 9.0-Oper-etta, "Le bal de Béatrice d'Este" Operetta (Hahn). 9.45-Interlude. PARIS (PTT), 9.0-See 8.30 Stras-

bourg. PARIS (Radio-Paris), 9.0—Chamber Music (contd. from 8.45). In the Interval at 9.15: News. PRAGUE, 9.0—News. 9.15—Re-cords. 9.30-9.45—News in English. RADIO-NORMANDIE, 9.0—Chan-sonnettes.

REYKJAVIK, 9.0-News. 9.30-

REYKJAVIK, 9.0--News. 9.30-Reading. ROME, 9.0-"Pecorella "-One-Act Play (Saba). 9.30-Dance Music. SOTTENS, 9.0-Jane Pierly (Songs) (contd. from 8.25). 9.15-9.30-Talk: The League of Nations. STOCKHOLM, 9.0-Military Band from Linköping. Conductor: Rösell. Russian March (Ganne). Overture, "Euryanthe" (Weber). Fjällsang (Peterson-Berger). Jämt-land (Peterson-Berger). Jämt-Seletto" (Verdi). Sverige (Eckerberg). Mareia Milano (Pon-chella). STRASBOURG, 9.0--"Julius Cae-

STRASBOURG, 9.0---" Julius Cae-sar"---Opcra (Handel) (contd. from

sar "-8.30). 8.30).
STUTTGART, 9.0—News. 9.20—See Munich. 9.35—Beethoven Recital by Otto Sonnen (Pianoforte). So-nata in A flat. Bagatelles.
TOULOUSE (Radio-Toulouse), 9.0— "France la douce"—Radio Fan-tasy. 9.45—Viennese Orchestra.

TURIN, 9.0 — "Dibuk " — Opera (Rocca) (contd. from 8.0).

(Rocca) (conta. from 8.0).
 VIENNA, 9.0 — "Fredigundis" — Opera (Franz Schmidt) (conta. from 6.35). 9.25—Military Band.
 WARSAW, 9.0 — Announcements. 9.15—Richard Strauss Records with Commentary. 9.45—Talk in Italian.

10 p.m.

ATHLONE, 10.0-Variety. 10.30-Time : News; Weather. 10.40-M. O'Duinn (Traditional Fiddle).

BARCELONA, 10.0—News. 10.15— Opera (contd. from 9.10). BERLIN, 10.0—See 9.35 Leipzig. BORDEAUX-LAFAYETTE, 10.0— See 8.30 Strasbourg.

See 8.30 Strasbourg. BRUSSELS (No. 1), 10.0—News. 10.10—Request Records. 10.55— Christus vincit (Liszt). BRUSSELS (No. 2), 10.0—News. 10.10—Request Records. BRESLAU, 10.0—Dance Music.

BUDAPEST, 10.0—Imre Magyar Cigány Band. 10.30—Records.

FRANKFURT, 10.0—Light Music. 10.15—Folk Music. HAMBURG, 10.0—Orchestra (contd. from 9.55).

HILVERSUM, 10.0—"The Three Musketeers"—Play (after Dumas) (contd. from 9.40). 10.40—News. 10.50—Light Music. Kovacs Lajos

Cigány Band. 10.30—Records. DEUTSCHLANDSENDER, 10.0-Gala Radio Variety from th

Clou."

Orchestra.

NATIONAL

10.30 (Droitwich)—Weather Forecast
10.45—"Would you Change?" E. C. Billett, a game-keeper.
11.0—Miscellancous Records.

11.30—For the Schools: French Dialogue.

11.45-Cinema Organ (Quentin Mac-

ean)

12.30 p.m.—Charles Manning and his Orchestra.
1.30—Organ Recital.
2.0-3.15 (Scottish)—For the Schools: History.
2.30—English.
2.50 (ex. Scottish)—To Unemployed Clubs: "Clubs and Football." John Newsom and Charles Buchan:
3.15—The Bournemouth Municinal

John Newsom and Charles Buchan.
3.15—The Bournemouth Municipal Orchestra. Maurice Eisenberg ('Cello). Suite No. 6 (Bach). Nocturne, Fétes (Debussy). Con-certo in B minor (Dvořák). Ballet, The Scasons (Glazounov).
4.45—The John MacArthur Quintet, 5.15—The B.B.C. Dance Orchestra, directed by Henry Hall.

6.30—" Books in General." G. K. Chesterton.

6.45-For Farmers Only : John Mor-

gan.
7.5—" The Foundations of Music."
7.30—" Featherweight." Records presented by Francis Toye.

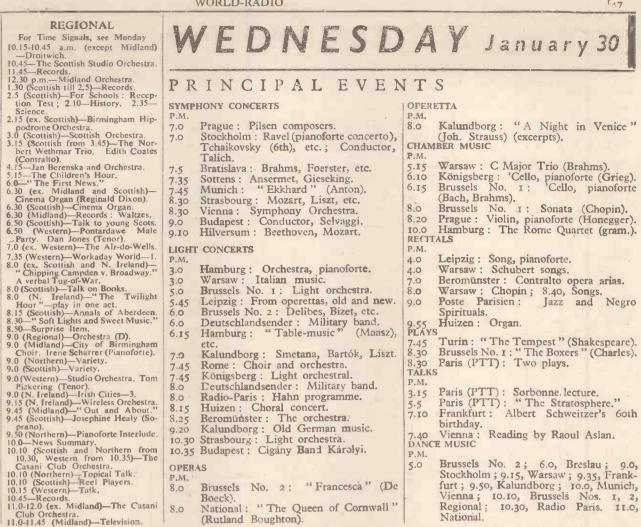
6.0-" The First News."

6.25-Interlude.

50 6.30 50

For Time Signals, see Monday 10.15 a.m. (Droitwich)-Service.

WORLD-RADIO



- 7:30—" Featheriveight." Records presented by Francis Toye.
 8.0—The Famous Traycdy of "The Queen of Cornwall" by Thomas Hardy. Set as a music-drama by Rutland Boughton. A special version arranged for broadcasting by the, Composer, Cast: Queen Iseult, May Blyth; Tristram, Harold Williams; Iseult of Brittany, Tatiana Makushina; King Mark, Norman Williams; Brangwain, Gladys Palmer; Sir Andret, Bradbridge White; Watchman, Philip Bertram; Damsel, Sybilk Marshall. The Wireless Chorus (Section B); Orchestra (Section E), directed by Albert Coates.
 9:30—"The Second News."
 10.—Gershom Parkington Quintet.
 11.0-12.0 (Droitwich) Dance Music: The Casani Club Orchestra.
 10.-I.45 (London)—Television.

Hours of Transmission in Greenwich Mean Time.

5 a.m. - 8 a.m.

BERLIN, 5.35-7.0—See Königsberg. 7.0—Gym. 7.35—Records : An-nouncements. 8.0—Records ; An-

- nouncements. 8.0—Records., An-nouncements. BRESLAU, 5.35-7.40—Orchestra. 7.40 —Gym. 8.0—News. 8.15—Records. BUDAPEST, 5.45—Gym; Records. COLLOGNE, 5.0—Hymn; Records. 5.35 Breslau, 7.0—Water Level. 7.5—See 5.35 Breslau, 7.30— Weather, 7.35—Gym, 7.50—Talk: Women and the Home. DEUTSCHLANDSENDER, 5.35-7.45 —Records; News. 7.45—Gym.
- -Records; News. 8.40-Gym. FRANKFURT, 5.0—For Farmers. 5.15—Gym. 5.45—Announcements. 5.55—Motto; Hymn. 6.0—Or-chestra. 7.10—Announcements.
- 5.35-chestra. 7.10-7.15-7.30-Gym. HAMBURG, 5.35-7.0-See Königs-berg, 7.0-Announcements; Re-
- HILVERSUM, 7.40-Records
- HUIZEN, 7:40-Bible Reading; Prayer, 7.55-9.10-Records. KALUNDBORG, 6.0-Gym. 7:30-Cathedral Service. KÖNIGSBERG, 5:35-7.0-Military "Band, 7:0-7:10-Prayers, 7:30-Gym.
- LEIPZIG, 5.35-7.0—See Königsberg. 7.0—Gym; Records. 8.55—An-nouncements.
- MOSCOW (No. 1); 7.15-For Chil-
- dren. MUNICH, 5.30—Gym; News; Mot-to. 6.0—Italian. 6.20—See 6.0 Frankfurt. 7.15-7.35—Gym. PARIS (Poste-Parisien), 7.10—Fan-fare; Records. In the Interval at 7.30: Press Review. 8.5—Concert. 8.20—Press Review.
- 8.20—Press Review. PARIS (Radio-Paris), 6.45—Gym. 7.0—Records. 7.15—News. 7.45— Gym. 8.0—Records. PRAGUE, 5.15-6.30—Time; Gym; Music; News. 8.50—News. ROME, 7.0-7.15—News; For House-wivec.
- SOTTENS, 6.0-6.15-Gym. STOCKHOLM, 6.20-Gym. 6.45-
- STUTTGART, 5.0-Announcements.

- 5.10—Hymn; Motto. 5.15—Gym. 5.30—Time; Announcements. 5.40 —Gym. 6.0—See Frankfurt. 7.15 —Gym. 7.35—For Mothers. 7.50 —Weather; Water Level. TURIN, 7.0-7.15-News ; For House-
- WARSAW, 6.0-7.0-Records ; News.

9 a.m.

- BERLIN, 9.0—News; Markets. 9.15 —Talk for Schools: Housing Schemes.
- Schemes. BEROMÜNSTER, 9.20-9.50—Talk for Schools : A Journey to Rome. BRESLAU, 9.15-9.45—See Frankfurt. BUDAPEST, 9.0—News. 9.20—Talk. 9.45—Reading.
- 9.45—Reading. COLOGNE, 9.0—News. 9.10—For Schools. 9.40—Talk : German Sea Fishing. 9.55—Announcementå. DEUTSCHLANDSENDER, 9.0— News. 9.15—See Frankfurt. 9.45— Eor Chidren
- News. 9.15-5 For Children.

- KÖNIGSBERG, 9.40-News
- LEIPZIG, 9.0-9.10—Announcements. MOSCOW (No. 1), 9.0—News.
- MUNICH, 9,15—See Frankfurt. PRAGUE, 9,5—News in German. 9,10—Record. 9,15—Band. 9,45— For Housewives. ROME, 9,30-9,50—For Schools.
- STUTTGART, 9.0-News. 9.15-See Frankfurt. 9.45-Violin and Pianoforte.
- TURIN, 9.30-9.50-See Rome.

10 a.m.

- BERLIN, 10.25-10.30—Exchange. BRESLAU, 10.30—News. 10.45— For Farmers, BUDAPEST, 10.0—Reading, 10.10— Water Level. COLOGNE, 40.0 Announcements. 10.30 The 1933 Revolution Sequence for Schools (Richter). DEUTSCHLANDSENDER, 10.0— For Children. 10.15—Weather.

HAMBURG, 10.0—" The Wolf and the Seven Little Kids "—Play in English for Schools (Grünewald). 10.30—Classical Records.

10.30—Report : "Green Week." 10.40—For Farmers. FRANKFURT, 10.0—Concert. 10.30

ements.

- Huysen for Schools (Grunewald).
 10.30—Classical Records.
 HILVERSUM, 10.0—Concert (contd. from 9.55). Talk in the Interval.
 HUIZEN, 10.10—Religious Pro-gramme. 10.40—Mme. Schönfeld-Dribbel (Mezzo-Soprano). Sen corre l'agnelletta (Sarri). Amarilli (Caccini). Danza, Danza (Durante). Records. Aria, "Alcina" (Handel). Two Arias (Handel). Records. Songs (Brahms): (a) Feldeinsam-keit, (b) Immer leiser wird mein Schlummer, (c) Sonntag. Songs (Duparc): (a) Florentine Serenade (b) Elegy.
- KÖNIGSBERG, 10.5-Talk. 10.30-Records.
- Records. LEIPZIG, 10.0 Announcements; Records. 10.30 News. MUNICH, 10.0 For Farmers. 10.20 News; Announcements; Re-
- -News ; Announceme cords. OSLO, 10.15-Service. 10.50-
- OSLO, 10.15—Service. 10.53— Exchange.
 PRAGUE, 10.0—Records. 10.5— Klima Orchestra. 10.55—For Farmers.
 STUTTGART, 10.0—Violin and Piano-forte. 10.15—Announcements; Records. 10.45—Weather; For
- Farmers. TURIN, 10.30 Chesi-Zanardelli-Cassone Trio.

11 a.m.

- BERLIN, 11.0-Waldemar Hass Orchestra.
- BEROMÜNSTER, 11.0-Rocords : Contemporary Music. 11.29-News. 11.40-Records : Classical
- Music. BRESLAU, 11.0—See Berlin. BUDAPEST, 11.0—Chimes. 11:5— István Berki Cigány Band. 11.30—
- News. COLOGNE, 11.0—Düsseldorf Con-cert Orchestra. Conductor : Arız. Hilde Beck-Schult (Soprano). DEUTSCHLANDSENDER, 11.0—
- See Cologne. FRANKFURT, 11.0—See Stuttgart. HAMBURG, 11.0—Announcements. 11.10—See 11.0 Berlin.

- HILVERSUM, 11.0 Concert (contd. from 9.55). 11.40—Orchestra. Con-ductor: Wins.
 HUIZEN, 11.0—Mezzo-Soprano (contd. from 10.40). 11.40—Police Messages; Records.
 KALUNDBORG, 11.2—Andersen String Ensemble.
 KÖNIGSBERG, 11.0—See Berlin.
 LEIPZIG, 11.0—Military Band.
 MONTE CENERI, 11.0—Announce-ments. 11.5—Rusticaneila Orches-tra. In the Interval at 11.22: Weather. 11.55—News.
 MOSCOW (No. 1), 11.0—English Talk: The Russian Revolutionary Movement.

- Talk : The Movement.

- Records. STOCKHOLM, 11.39 Weather.

 - SIDERHOLM, 11.33 Weather.
 11.45 Exchange.
 STUTTGART, 11.0 Records.
 TURIN, 11.0 Chesi-Zanardelli-Cassone Trio. 11.30 Records.
 11.45 News.
 VIENNA, 11.0 Operetta Records.
 WARSAW, 11.0 Fanfare. 11.5 News; Records.

12 noon

BERLIN, 12.0-Midday Echoes. 12.15-Records.

- 12.15—Records. BEROMÜNSTER, 12.0 Records. Classical Music. BRESLAU, 12.0 Records. 12.15— News. 12.30—Records. BRUSSELS (No. 1), 12.0—Dance
- Music. BRUSSELS (No. 2), 12.0—Records. 12.30—Orchestra. Douliez. Overturz, "Orpheus in the Underworld" (Offenbach). Waltz (Czibulka). Scènes poétiques
- Waltz (Czibulka). Szènes poétiques (Godard). BUDAPEST, 12.20 Weather: 12.30 –Bachmann Quintet. Transak-tionen Walzer (Strauss). Piece (Vecsey). Feentanz (Heykens). Selection, "Hunyadi László" (Erkel). Liebestraum (Liszt). Once upon a Time (Poldini). Elves' Dance (Wolf-Ferrari). Extase (Gillet). Loin du bal (Gillet).

Serenade (Banyai). Narcissus (Nevin). Dance (Weninger). COLOGNE, 12.0—Announcements; Greetings. 12.10—Flotow Records. DEUTSCHLANDSENDER, 12.0— Greetings. 12.5—See Königsberg. 12.45—News.

- Greetings. 12.45-News FRANKFURT, 12.0 - News. 12.15-

- FRANKFURT, 12.0 News. 12.15-See Stuttgart.
 HAMBURG, 12.0 Announcements. 12.10 Popular Music.
 HILVERSUM, 12.0 Orchestra (contd. from 11.40). 12.25 Huy (Saxophone) and Schoute (Piano-forte). 12.40 Walis Orchestra.
 HUIZEN, 12.0 Records. 12.10 -Quintet. Overture, "Le roi d'Yvetot" (Adam). Selectien, "Orpheus in the Underworld" (Offenbach). A Desert Romance (Ketelbey). De Hollandsche Molen (Heykens). Records. Songs. Pot-pourti, Parisiana (Leopold). Sché-hérazade (Rimsky-Korsakov).
 KALUNDBORG, 12.0 Andersen String Ensemble.
 KÖNIGSBERG, 12.5 Opera House Orchestra. Conductor : Brückner.
 LEIPZIG, 12.0 -, News. 12.10 -Records : German Classical Music.
 MONTE CENERI, 12.0 News. Re-cords 12.15 21.20 Enstinger

- MONTE CENERI, 12.0-News. Re-cords. 12.15-12.30-Fashions.
- cords. 12.15—12.30—1-rashions. MUNICH, 12.0—Records. 12.15— News. 12.25—Cabaret Songs (Fischer-Frank) by Otto Fassler (Tenor) and Paula Menari (So-prano), the Composer accompany-
- ing. OSLO, 12.0 Records. In the interval at 12.15—Weather; For Farmers, and at 12.45—Exchange. PARIS (Poste-Parisien), 12.0—Ex-change; Records, 12.25—An
- change : Records. 12.25-PARIS (PTT), 12.0-Tourist Report. 12.15-Orchestra. Con-ductor: Rosenthal. Mona Peche-

- ductor : Rosenthal. Mona Peche-nars (Songs). PARIS (Radio-Paris), 12.0 Talk : Character Training, 12.15 Light Music. Goldy Orchestra. Jean Sorbier (Songs). PRAGUE, 12.0 Orchestra. 12.35 Labour Exchange. 12.45 Labour Exchange in German. 12.55 Exchange. ROME, 12.0 Announcements. 12.5 Light Music. In the interval at 12.35-12.45 : News ; Exchange: SOTTENS, 12.0 Records.

- Movement. MUNICH, 11.0—Schrammel Quartet. 11.30—Records. PARIS (PTT), 11.0—Orchestra. PRAGUE, 11.0—For Farmers. 11.10 —Records. 11.25—News. 11.35— Orchestra. ROME, 11.30—Records. SOTTENS, 11.30—News. 11.40— Records

WEDNESDAY Jan. 30

12 noon (contd.)

- STOCKHOLM, 12.0 Redland (Xylophone) and Jakobsson (Saxophone). 12.20 Reading.
- (Xylophone) and Jakobsson (Saxophone). 12.20 Reading. 12.45 Light Music. STRASBOURG, 12.0 Records. STUTTGART, 12.0 News. 12.15 Military Band. Conductor:
- Military Band. Conductor: Hanker. TURIN, 12.0 Announcements. 12.5—Consiglio Orchestra. In the interval at 12.35-12.45—Records;
- interval at 12.35-12.49—Records; Exchange. VIENNA, 12.0 News. 12.10— Records. WARSAW, 12.0 News. 12.5— Dance Records.

1 p.m.

- ATHLONE, 1.30—Weather; Ex-change; Records. BERLIN, 1.0—News. 1.15-1.30— Schubert Paraphrases (Liszt), on Records. BRESLAU, 1.5—Exchange. 1.10— Announcements; Records. 1.40— Markets.
- Announcements; Records. 1.40-Markets. BRUSSELS (No. 1), 1.0-News. 1.10-Dance Music. BRUSSELS (No. 2), 1.0-News. 1.10 --Orchestra. Conductor: Douliez. Military March (Schuber). Pot-pourri (Zimmer). Extract, En Bretagne (Rhené Baton). Insects make Music (Zimmer). 1.30-New Percords

- make Music (Zimmer). 1.30-400 Records. BUDAPEST, 1.0-Quintet (contd. from 12.30). 1.40-Household Hints. COLOGNE, 1.0-1.15 Announce-ments. 1.45-Talk. DEUTSCHLANDSENDER, 1.0-Variety. 1.55-Announcements. FRANKFURT, 1.0-See 12.15 Stutt-gart. 1.15-News. 1.30-Industrial Review. 1.45-Exchange. 1.55-Weather.
- Weather. HAMBURG, 1.0—Light Music. 1.15 —News. 1.30—Records : German
- -News. 1.30-Records : German Folk Music. HILVERSUM, 1.0-1.25-Orchestra (contd. from 12.40). 1.40-For Women. 1.55-Dressmaking. HUIZEN, 1.0-Quintet (contd. from 12.10). 1.40-Records.

- HUIZEN, 1.0-United (cond. from 12.10).
 1.40-Records.
 KÖNIGSBERG, 1.0-News. 1.5-Orchestra (cond. from 12.5).
 1.30-Announcements; Records.
 LEIPZIG, 1.0-News; Exchange.
 1.15-Old Peasant Songs.
 MUNICH, 1.0-News; Exchange.
 1.20-Maja Trampler and Hanny Claessens (Pianofortc Duets) and Gerda Jörn (Soprano).
 1.50-Talk: A Seventeenth Century Pioneer of the Motor-car.
 PARIS (Poste Parisien), 1.0-Records.
 1.15-Exchange.
 PARIS (PTT), 1.0-News.
 1.15-Orchestra (contd. from 12.15).
 1.30-Exchange.
 1.30-Exchange.
 1.30-Exchange.
 1.30-Exchange.
 1.30-Exchange.
 1.30-Exchange.
 1.30-Chestra (contd. from 12.15).
 1.30-Exchange.
 1.30-Exchange.

- the Blind. PARIS (Radio-Paris), 1.0—Light Mu-sic (contd. from 12.15). In the Interval at 1.20 : Exchange. PRAGUE, 1.0-1.5—Exchange and Weather in German.
- ROME, 1.0-1.15-Light Music
- STOCKHOLM, 1.0-Light Music. 1.45—For Children. STUTTGART, 1.0-Military Band (contd. from 12.15).

- TURIN, 1.0—Consiglio Orchestra. 1.15-1.25—Exchange. VIENNA, 1.0—Song Records. 1.20— Announcements.

2 p.m.

- 2.25
- ATHLONE, 2.0-2.30—Records. BERLIN, 2.0—Exchange. 2 "German Cities"—Sequence Music (Lotte Meusel). BEROMÜNSTER, 2.30-Talk for
- Women. BRESLAU, 2.0—Markets. 2.10— Book Review. 2.30—For Children : Exploration in Africa.
- COLOGNE, 2.0—Sports Programme, 2.30—Exchange. 2.50—Topical Talk.
- 2.50-Exchange. 2.50-Topicar Taik.
 DEUTSCHLANDSENDER, 2.0-Ex-change. 2.15-Songs by Children. 2.40-Classical Records.
 FRANKFURT, 2.15-Romantic Music. Part I.-Theodor Thraemer Songs, by Emil Braun (Baritone). Part II.-Septet in E flat (Kreutzer) by Meinbers of the Freiburg Orchestra.
 HAMBURG, 2.0-Exchange. 2.40-Shipping. 2.50-Icc Report.
 HILVERSUM, 2.0 Dressmaking. 2.40-For Children.
 HUIZEN, 2.0-Records. 2.10-For

Young Stamp Collectors. 2.40-

Young Stamp Collectors. 2.40-Records. KALUNDBORG, 2.0-Records. 2.30 -Rydahl Instrumental Ensemble. Per aspera ad astra (Urbach). Hungarian Comedy Overture (Kéler-Béla). Flower Waltz (Waldteufel). Extracts, "The Magic Flute" (Mozart). Après l'ête (Schmitt). Extracts, "I Zingari" (Leon-cavallo). Serenade (Ordla). Twelve Epigrams (Rosenbarg). Ene med Toner (Carlander). The Call of Spring (William). When Evening Spreads o'er Land and Sea (Würtz). Intermezzo (de Micheli). Rapso-dietta (Gade).

KÖNIGSBERG, 2.0-Markets; Ex-change. 2.10-Household Hints. 2.20-Book Review. 2.35-Girls' Choir.

- EIPZIG, 2.0 See Deutsch-landsender. 2.15-2.30—Art Review. 2.40—Exchange. LEIPZIG,
- MOSCOW (No. 1), 2.15-For Chil-
- dren. MUNICH, 2.10—Pianoforte Lesson : Modulation, 2.30—A Girls' Choir. 2.50—Announcements.

PARIS (PTT), 2.0—" The Song in all its Forms " (contd. from 1.33). PARIS (Poste Parisien), 2.0-Ex-

- PRAGUE, 2.45—Exchange and Wea-ther. 2.55—Station Orchestra. Conductor : Parik.
- Conductor : Parik. STUTTGART, 2.30—For Children. VIENNA, 2.0—Announcements. 2.20 —Gym. 2.40—Talk : The History of Photography. WARSAW, 2.30—News. 2.35— Exchange. 2.45—Dramatic Pro-gramme.

3 p.m.
BERLIN, 3.0-Station Orchestra and Soloists. Conductor: Steiner. Prelude, "The Merry Wives of Windsor" (Nicolai). Tenor Solo: Carnival (Valente). Bolero, "Don Quixote" (Kienzl). Waltz, "La Bohème" (Puccini). Mazurka brillante (Liszt). Harlequin (Popper). Cobold Dance (Dvořák). Furiani (Dvořák). I give my Heart, "The Dubarry" (Milöcker-Mackeben). Lanner Waltz Potpourri (Schütt). Suite, "The Bartered Bride" (Smetana). Tenor Songs: Para-phrase on the Folk Songs: (a) "Morgen muss ich fort von hier" (Enders), (b) "Du, Du liegst mir im Herzen" (Enders). Tenor: Wandern von Land zu Lang (Redl). Spanish Serenade (de Michell). Two Pieces from "Itr grösster Erfolg" (Grothe). Dance Piece (Hellmesberger). Old Sea Shanties: (a) Rio Grande, (b) Holohet ! Jetz geht es in See. Egyptian March (Strauss).
BEROMUNSTER, 3.0-Smetana 3 p.m.

(Strauss). BEROMÜNSTER, 3.0-Smetana Music. 3.20-Screnade (Markevics). Obreschkoff (Violin); Tautenhahn (Clarinet); Neumana (Bassoon). 3.35-Radio Orchestra. 3.50-Early Works of Famous Composers -Hegi (Baritone); Tüller (Tenor); Sibiglia (Violin); Girsberger (Pianoforte).

(Pianoforte).
 BRESLAU, 3.0-Talk in Dialect.
 3.20-An Appeal for Winter Relief.
 3.30-Light Music. Conductor:
 Gielnik. Tone Poem, Unter sizilianischer Sonne (Dreyer). Waltz,
 Jubel und Trubel (Lautenschläger).
 Das alte Segelschiff (Kirchstein).
 Feuerwehr-Galopp (Härtel). Sciection, "A Tango at Midnight" (Komjati).
 Internezzo (Krüger).
 Serenade, Liebeslied (Rust).
 Hahnen-Tanz (Kienzi). Krinoline (Ortieb).
 Intermezzo, Froh gelaunt (Kellner).
 Fasching-Ouvertüre (Leuscher).
 BUDAPEST, 3.10-For Schools.

BUDAPEST, 3.10—For Schools. 3,45—Weather.

BODATEST, 3.10—For Schools.
 3,45—Weather.
 COLOGNE, '3.0—Station Orchestra.
 Conductor: Eysoldt. Wielsch and Kowalski (Pianofortes); Engels (Tenor). Prelude, "Paragraph 3" (Suppé). Transcription, La Paloma (Yradier - Weninger). Songs (Eysoldt): (a) Mein Rosenstock, (b) Wenn nicht Frühling wär?
 Bolero, Pictures from the South (Nicodš). Two Pianofortes: (a) Polonäise (Arensky), (b) Waltz (Kowalsky). Spitzweg (Niemann-Spies). Songs: (a) Im Herzen hab ich dich getragen (Abt), (b) Herzens-frühling (Wickede). Festival Prelude (Lassen).
 DEUTSCHLANDSENDER. 3.0—

(Lassen). DEUTSCHLANDSENDER, 3.0— "For Green Week "—the Steinbock Orchestra from the Kaiserdamm Exhibition Hall. FRANKFURT, 3.0—Station Orchestra. Conductor : Hess and the Franz Hauck Band.

HAMBURG, 3.0-Orchestra from Flensberg. Conductor : Röder. Hedda Klimek (Pianoforte). Over-ture, "L'isola disabitata" (Haydn).

WORLD-RADIO
 Minuet, Scherzo and Rondo. (Brahms). Divertimento for Strings (Rangström). Pianoforte : Kinder-szenen (Schumann). Slav Rhapsody (Dvořák). Selection, "The Merry Wives of Windsor" (Nicolai). Pianoforte : Papillons (Schumann). Concert Waltz (Glazunov).
 HILVERSUM, 3.0-For Children.
 HUIZEN, 3.0-For Children.
 HUIDEORG, 3.0-For Children.
 KONIGSBERG, 3.0-Ensemble (contd. from 2.30). In the Interval at 3.15 (approx): Talk : The Dicharging of Hospital Patients.
 KÖNIGSBERG, 3.0-Station Orches-tra. Conductor : Wilcken. Suite, Bilder aus dem Osten (Lange).
 Waltz (Carena). Piece (Marquar).
 Venetian Barcarolle (Witte).
 Vieness Folk Music (Komzák).
 Comedy Overture, Jocosa (Clemus). Narrenspiel (Clemus). Es war einmal ein Zigeuner (Eineg). Gipsy March (Gyldmark). Flattergeister (Jones). March (Blankenburg). In the Interval, Poems.
 LEIPZIG, 3.0-Report : Life at the Rudolf Schröter School ; Programme by Girls, relayed from Halle.
 MONTE CENERI, 3.0-4.0-See Beromünster.
 MOSCOW (No. 1), 3.0-News.
 MUNICH, 3.0-Station Orchestra.

MOSCOW (No. 1), 3.0-News

- MOSCOW (No. 1), 3.0—News, MUNICH, 3.0—Station Orchestra. Conductor : Kloss, Overture, La sirène (Auber). Lyric Suite (Mauss). Carnival Suite (Schmalstich). Waltz (Waldteufel). Ballet, Spitzweg-märchen (Grimm). Two Pieces (Tchaikovsky). Butterflies' Waltz (de Micheli). Impressioni d'oriente (Annadei).
- (de Michell). Impressioni d'oriente (Amadei). PARIS (Poste-Parisien), 3.15— Exchange, 3.45—Exchange, PARIS (PTT), 3.15—Lecture from the Sorbonne : Causes of the French Persolution

PARSUE, 3:0-Station Orchestra geople.
ROME, 3:0-Station Orchestra (contd.from 2:55). 3:45-For Young People.
ROME, 3:30-News for Children. 3:55-News; Exchange.
SOTTENS, 3:0-4.0-See Beromünster. STUTTGART, 3:0-See Cologne.
TURIN, 3:35-News. 3:10-Records of Lotte Lehmann (Soprano). 3:40-Talk: The Craftsman in German Fairy Tales.
WARSAW, 3:0-Italian Concert by the Cracow Station Chamber Orchestra Conductor: Herman. 3:43-For Children.

4 p.m.

BERLIN, 4.0—Orchestra and Soloists (contd. from 3.0). 4.40—Report from the German School of Gym-

BEROMÜNSTER, 4.0-Early Works of Famous Composers (contd. from 3.50). 4.20—Records : Light Music, 4.45—Berne Boys' Choir. Conduc-tor : Keller.

BRESLAU, 4.0—Light Music (contd. from 3.30). In the Interval at 4.30, For Farmers.

BRUSSELS (No. 1), 4.55-News

- BUDAPEST, 4.0—Talk. 4.30—Ilona Ladányi (Songs).
- Ladanyi (Songs). COLOGNE, 4.0-Orchestra (contd. from 3.0). 4.30-Book Review. 4.45-Pianoforte Recital by Tilly El-kenhans. Theme with Variations (Mozart). Arabesque (Schumann).
- Orchestra (contd. from 3.0). 4.50 —Topical Reports.
- FRANKFURT, 4.0-Orchestra (contd. 3.0)
- from 3.0). HAMBURG, 4.0—Orchestra (contd. from 3.0). 4.30—Reading (Lersch). 4.50—" Wenn Snee liggt "—Se-quence in Dialect (Budich) with Music.
- HILVERSUM, 4.0-For Children.
- HUIZEN, 4.0—Trio (contd. from 3.5).
 4.40—For Children.
 KALUNDBORG, 4.0 Ensemble (contd. from 2.30).
 4.30—Exchange.
 4.45—Talk : Big Game Hunting in India India.
- KÖNIGSBERG, 4.0 Orchestra (contd. from 3.0). 4.50—Talk ; Educational Films.
- LEIUZIG, 4.0—Petronella Hofmann (Contralto) and Elfriede Clemen (Pianoforte). Waltzes (Brahms).
 Songs (Brahms): (a) Wie Melodien zicht es mir, (b) Des Liebsten Schwur. Impromptu in E flat (Schubert). Songs (Schubert): (a) Abendstern, (b) Beim Winde. Polo-naise in C sharp minor (Chopin).
 Waltz in A flat (Chopin). 4.30— Talk : Friedlieb Runge, the Chemist. 4.50—Announcements.

MONTE CENERI 40-50-See Beromünster. MOSCOW (No. 1), 4.30—Classic and Contemporary Russian Chamber

Musi Music. MUNICH, 4.0—Orchestra (contd. from 3.0). 4.30—For Children. 4.50—Pianoforte Concerto (Falla) by Anna Barbara Speckner and a Chamber Orchestra. Conductor: Orff ['ANUARY 25, 1935

KÖNIGSBERG, 5.0—Talk (contd. from 4.50), 5.15—Markets, 5.30— For Young People, 5.55—News.
 LEIPZIG, 5.0—Station Orchestra. Conductor: Weber, Overture, "Die Felsenmühle" (Reissiger). Caprice brillant in E flat (Glinka). Humoresque in E (Humperdinck). Veil Intermezzo from "Mona Lisa" (von Schillings). 5.25— Talk : Field Marshal Count Yorck von Wartenburg, 5.45—Station Orchestra. Conductor : Weber. Lotte Locfiel (Soprano) and Arno Vorberger (Teno). Overture, "Der Schauspieldirektor" (Mo-zarl). Selection, "Bastien und Bastienne" (Mozart). Selection, "Die Opernprobe" (Lortzing), and "Wean Liebe erwacht" (Künneke).
 MOSCOW (No. 1), 5.0—Classic and Contemporary Russian Chamber Music.

Music, MUNICH, 5.0—Pianoforte Concerto (Falla) (contd. from 4.50). 5.10— For Boys. 5.25—"Die Reinheit des Reichs"—Poem (Gerhard Schu-mann), with Music by Ziegler. 5.50

-Announcements. OSLO, 5.0-For Children. 5.30-

French. PARIS (PTT), 5.5-Talk : The Strato-

PRAGUE, 5.45—Shipping.
 PRAGUE, 5.0—Talk. 5.5—Record.
 5.10—Talk for Workers. 5.20—German Transmission: Book Review; Programme for Workers; Announcements. 5.55—News in German

RADIO-NORMANDIE, 5.0—Dance Music. 5.15—Orchestra. 5.45—

RADIO-NORMANDIE, 5.0-Dance Music, 5.15-Orchestra. 5.45-Records.
 ROME, 5.0-5.10-Corn Prices, 5.50 -Announcements.
 SOTTENS, 5.0-For Children, 5.30 -Esperanto, 5.40-Song Records, 5.50-Chess.
 STOCKHOLM, 5.0-Records, 5.45

STOCKHOLM, 5.0—Records. 5.43 —German. STRASBOURG, 5.0—Chamber Music. STUTTGART, 5.0—Morse Lesson. 5.15—A Discussion. 5.30—Hunto-rous Talk with Records. TURIN, 5.0-5.10—For Farmers; Corn Prices. 5.50—Announcements. VIENNA, 5.0—Talk (contd. from 4.50). 5.15—Talk : Private Employ-ment. 5.40—Literary Review. 5.50 —News.

—News. WARSAW, 5.0—For Farmers. 5.10 —Talk on Art. 5.15—Pianoforte Trio in C (Brahms), 5.45—Talk.

6 p.m. ATHLONE, 6.0—For Children 6.45—News. BARCELONA, 6.0 — Request Re-

BARCELETIN, Constant, Cons

5.30). 6.20—Introductory Talk to the 9.35 Transmission. 6.30—Talk: C German Labour Problems. 6.40— Evening Echoes.
BEROMUNSTER, 6.0 — Weather; Markets, 6.10—Old Populor Songs, 6.15—" Rûtlifahrt"—Song Sequence with Commentary. The Männedorf Secondary School Choir. Coa-ductor: Stocker.
BRESLAU, 6.0—" From Vienna to Berlin"—Dance Music by the Station Band. Conductor: Ilgner. Mima Thoma (Song Refrains). 6.40 —Weekly Review.
BRNO, 6.50—Literary Review.
BRUSELS (No. 1), 6.0 — Talk: The History of Religions. 6.15—Sonata Recital by Laffitte (Pianoforte) and Soiron ('Cello). Sonata in G minor (Bach). Sonata in E minor (Brahms) BRUSSELS (No. 1), 6.0 — Chestra. Conductor: Douliez. Marche roumaine(Ganne). Valse des fleurs (Delibes). Gavotte and Minuet, "Manon" (Massenet). Marche roumaine(Ganne). Valse des fleurs (Delibes). 6.15—Talk.
BUDAPEST, 6.0—Inre Dobos (Trombone). 6.15—Talk.
COLOGNE. 6.0—Military Band from Düsseldorf. 6.50—Snapshols.
DEUTSCHLANDSENDER, 6.9 — Military Band. 6.30—Italian. FRANKFURT, 6.0—Orchestra (contd. from 5.50). 6.45—Topical Talk.
HAMBURG, 6.0—Talk: Radio Interference. 6.15—Talk: Radio Interference. 6.15—Statian Sym-phony Orchestra. Conductors: The Composers. Hamburg Tafel-musik after Keiser (Maas2). Con-certino barocco (Ludwig Lürman). HLVERSUM, 6.0—Orchestra (contd. from 5.10). 6.10—Talk: 6.40— Sports Notes.
HUIZEN, 6.0—For Farmers. 6.10— To be announced. 6.40—Police Messaces : Religious News 6.55—

HUIZEN, 6.0—For Farmers. 6.10— To be announced. 6.40—Police Messages; Religious News. 6.55— Records.

KALUNDBORG, 6.0—News. 6.30— Talk : Forestry and the Law.

Orff. OSLO, 4.0.—Orchestra. The Entry of the Mahdi (Svendson). Künstler-leben (Strauss). Overture, "Semira-mis" (Rossini). Selection, "I Pag-liacci" (Leoncavallo). Minuet (Tort). Nigger's Dream (Myddle-ton). Smoke gets in your eyes. (Kern) (Kern). PARIS (Poste Parisien), 4.50 — Ex-(Kern).
PARIS (Poste Parisien), 4.50 — Exchange.
PARIS (Radio-Paris), 4.0—Exchange.
PRAGUE, 4.0—For Young People.
4.30—Records. 4.40—Industrial Review. 4.50—Record. 4.55—Talk.
RADIO - NORMANDIE, 4.0—Dance Music. 4.30—For Children. 4.45— Dance Music.
ROME, 4.0—News; Exchange. 4.10 —Light Music.
SOTTENS, 4.0-5.0—See Beromünster.
STOCKHOLM, 4.5 — Accordions.
4.25—Talk. 4.45—Records.
STRASBOURG, 4.45—Talk in German: Electricity.
STUTTGART, 4.0—See 3.0 Cologne.
4.30—Elisabeth Jentsch (Soprano); Jautz (Tenor); Jentsch (Baritone).
TURIN, 4.0—For Children. 4.10— Political Talk by Giuseppe Bottai.
VIENNA, 4.5—Richard Maux Recital by Josef Knapp (Baritone), the Composer accompanying and Maria Mayen (Recitations). 4.50—Talk: Rheumatism.

Rheumatism.

WARSAW, 4.0—Schubert Lieder. Die Krähe. Der Atlas, Song. Gretchen am Spinnrad. Aufenthalt. Die junge Nonne. 4.25—Talk. 4.35 —Albert Sandler and his Orchestra (on Records). 4.50—Sports Notes.

5 p.m.

5 p.m.
BERLIN, 5.0-Announcements. 5.5 ""Die Landschen kommen".--Play for Women (Graefe). 5.30-Concert. Part L.-Chamber Music by Irmgard Veit (Viola). Toni Jäckel (Lute), and Prudentia Olbrich and Alexander Ecklebe (Pianoforte). Part II.--Community Singiag.
BEROMUNSTER, 5.0--" Die Bremer Stadtmusikanten".--Play for Chil-dren (Preiss). 5.30-Talk : Belgium.
BEESLAU, 5.0 -- Talk : Belgium.
BESLSLU, 5.0 -- Talk : National Socialism. 5.30 -- Did you know?
BRUSSELS (No. 1), 5.0--Orchestra. Conductor: Douliez. Désiré Deris-sen (Cello) and Edward Ferari (Songs). March (Löhr). On the Volga (Dyck). 'Cello Solo: Spanish Dance, Vito (Popper). French Military March (Saint-Sacas). Flut, Clarinet and Strings : Serenade (Godard). Czech Dances from "The Bartered Bride" (Smetana). Song, Torna a Surrinetio (de Curis). Suite, Joyous Youth (Eric Coates).
BUSSELS (No. 2), 5.0-Dance Music from the Atlante Heate

BRUSSELS (No. 2), 5.0—Dance Music from the Atlanta Hotel, Richard's Melodians. Vera's Tango Orchestra. Ciro's Orchestra.

Orchestra. Ciro's Orchestra. BUDAPEST, 5.0—Ilona Ladányi (Songs). 5.10—Italian Lesson. 5.40 —Imre Dobos (Trombone). COLOGNE, 5.0—Pianoforte (contd. from 4.45). 5.5—Review : Foreign Affairs. 5.30—Discussion on "Dreis-sig Jahre Geschichte einer Bewe-gung "(Vesper). 5.45—Time; An-nouncements.

nouncements. DEUTSCHLANDSENDER, 5.0 — Songs from a School Camp. 5.30 —Talk : Profits from Potato Grow-ing, 5.40—Military Band.

FRANKFURT, 5.0—Topical Tems;
 (a) Report from the Smelting Works in Wolfersheim, (b) Talk : Quarrying in Unterwiddersheim, (c) Report from a Paper Factory in Unterschmitten. 5.45—Announcements. 5.50—Cassel Orchestra. Conductor;
 Maurick. Overture, "Hunyadi László" (Ertel). Hungarian Rhapsody (Liszt). Carnival in Naples (de Gioso). Ein Tag im Wiener Wald (Kreuzberger). Ewig blauer Himmel (Kutsch). Florentine Serenade (Culotta). Wiener Heurigen-Marsch (Römisch).
 HAMBURG, 5.0—Musical Dialect

Marsen (Romisch). HAMBURG, 5.0—Musical Dialect Sequence (contd. from 4.50). 5.30— Sonata in G (Haydn) by Edmund Schmid (Pianoforte). 5.45—Talk from Stettin : The Provisioning of

HILVERSUM, 5.0—For Children. 5.10—Orchestra. Conductor : Steyn. HUIZEN, 5.0—For Children. 5.40—

KALUNDBORG, 5.0—Talk (contd. from 4.45). 5.15—French, 5.45— Announcements.

Germany.

6 p.m. (contd.)

KÖNIGSBERG, 6.0—News. 6.10— Sonata in A minor (Grieg) by Schulz Fürstenberg ('Cello) and Börschel (Pianoforte). 6.45—Winter Sports Report from Garmisch-Partenkirchen.
 LEIPZIG, 6.0—Orchestra and Soloists (contd. from 5.45). 6.45—Winter Sports Report from Garmisch-Partenkirchen.
 MADRID (EAJ7), 6.0—Announce-ments; Light Music. 6.30—News; Exchange. 6.45—"Cavalleria rusti-cana"—Opera (Mascagni) (on Re-coords).

cords). MONTE CENERI, 6.15—Light Music. on Records. 6.45—News. MOSCOW (No. 1), 6.0—Russian

MONTE CENERI, 6.15—Light Music on Records. 6.45—News.
 MOSCOW (No. 1), 6.0—Russian Chamber Music (contd. from 5.0). 6.30—Folk Music.
 MUNICH, 6.0—Zither Orchestra. Conductor: Guggemos. Lauten- bacher (Accordion). 6.45—Winter Sports Report from Garmisch- Partenkirchen.
 OSLO, 6.0—Announcements. 6.15— News. 6.31—For Farmers. 6.40— Talk.

Talk. PARIS (Poste Parisien), 6.25—Ex-change. 6.30—Jewish Programme. 6.50—Topical Talk. 6.57—Theatre

s (PTT), 6.0—For Children. PARIS

6.30—News. PARIS (Radio-Paris), 6.0—Readings. 6.15—Weather; For Farmers; Ex-change; Racing, 6.35—Medical Talk, 6.50—Book Review. PRAGUE, 6.0—News, 6.10—Topical Talk, 6.20—Dance Music, 6.50— Benerget

PRAGUE, 6.0—News. 6.10—Topical Talk. 6.20—Dance Music. 6.50—Records.
RADIO-NORMANDIE, 6.0—For Children. 6.50—Local Néws.
ROME, 6.5—Italian for French Listeners; News in Forcign Languages
SOTTENS, 6.0—Chess. 6.10—Science Talk : Radio-activity. 6.40—Review. 6.59—Weather.
STOCKHOLM, 6.0.—German (contd. from 5.45). 6.15—News. 6.30—Medical Talk.
STRASBOURG, 6.0—Legal, Talk: Women in Commerce. 6.15—Talk.: Handicrafts. 6.30—Elocution. 6.45—Records.
STUTTGART, 6.0—See Breslau.
TOULOUSE (Radio-Toulouse), 6.0—News. 6.15—Philharmonic Orchestra. 6.30—Opera Music. Arias, "Worther" (Massenet). "Le chemineau" (Leroux), "Les brigands" (Offenbach) and "Don Quixote" (Massenet). 6.45—Ciello.

-'Cello. TURIN, 6.0-Italian for French Lis-teners; News in Foreign Lan-

ItoRity, 6.0-Italian in Foreign Languages.
VIENNA, 6.0-News. 6.10-Topical Talk. 6.25-Request Concert by the Vienna Symphony Orchestra. Conductor: Holzer. Leonardo Aramesco (Tenor). Overture, "The Merry Wives of Windsor" (Nicolai). Song, Du bist meine Sonne (Lehàr). Waltz, Gold and Silver (Lehàr). Song, Wien, du Stadt meiner Träume (Sieczynski). Hungarian Rhapsody (Liszt). Gondellied (Strauss). Träumerei (Schumann). Waltz, Samt und Seide (Ziehner). Fiakerlied (Pick). Potpourti, Für lustige Leut' (Komzák).
WARSAW, 6.0-Zaremba Choir. 6.20. --Topical Programme. 6.30-Overture, "Mannfred" (Schumann) by the B.B.C. Orchestra (on Records). 6.45-Announcements.

6.45--Announcements.

7 p.m.

ATHLONE, 7.0—Irish. 7.15— German. 7.30—Time. 7.31— Eric Crowe (Organ) from the Centenary Church, St. Stephen's Green, Dublin.
BARCELONA, 7.0—Records; News. 7.45—Exchange.
BARI, 7.25—For Greece: Announce-ments; Music.
BERLIN, 7.0—News. 7.15—Sce Cologne. 7.45—Request Records.
BEROMUNSTER, 7.0—Opera Arias. Martha Rohs (Contralto) with the Radio Orchestra. Conductor: Hofmann. Hofmann

BORDEAUX-LAFAYETTE, 7.45-

HOLZEL, T.A. A. H. R. A. A. H. R. S. A. S. T. A. T. Technical Talk. 7.40 – News. 7.45 – Records. 7.55 – Lesson in Archaeology.
JUAN-LES-PINS (Radio Cóte d'Azur), 7.15 – Light Music. In the Interval: Amusement Guide. 7.40 – News. 7.50 – Cycle Report.
KALUNDBORG, 7.0 – Chimes. 7.2 – Radio Orchestra. Conductor: Mahler. Overture, "The Bartered Bride" (Smetana). Hungarian Folk Melodies (Bartók). Hungarian Folk Melodies (Bartók). Hungarian Folk Melodies (Bartók). Hungarian Folk Melodies (Bartók). Hungarian Rhapsody (Liszt). 7.35 – "It is so easy to lay the Cross on Others" – Play (Elna Grymer).
KÖNIGSBERG, 7.0 – News. 7.15 – See Cologne. 7.45 – Stationy Orchestra. Conductor: Wilcken. Gladiators' March (Sousa). Overture, Fahrend Volk (Leuschner). Golden Dreams (Murzilli). Derby Gallog (Sommerfeld). Potpourri (Suppé). Roses from the South (Strauss). Rosa mia (Malow-Wiebe). Man soll den Faruem (Stauch). Overture, "Lachendes Leben (Rust). San Lorenzo (Silva).
LAHTI, 7.0 – Recitations. 7.15 – See Cologne. 7.45 – News in Finnish and Swedish.
LEIPZIG, 7.0 – News. 7.15 – See Cologne. 7.45 – News in Finnish and Swedish.
LEIPZIG, 7.0 – News. 7.15 – See Cologne. 7.45 – News in Finnish and Swedish. BORDEAUX-LAFAYETTE, 7.45— Film Review.
BRATISLAVA, 7.0—Talk on the following Transmission. 7.5— Bratislava Symphony Orchestra from the National Theatre. Conductor: Karel Nedbal. Emma Simandlova (Songs) and Simek (Violin). Over-ture, "Benvenuto Cellini" (Ber-ticz). Violin Concerto in D (Brahms). Song Cycle, The Nursery (Mussorgsky-Jeremias). Shake-speare Suite (Poerster).
BRESLAU, 7.0—News. 7.15—See Cologne. 7.45—From Vienna to Berlin" (contd. from 6.0).
BRNO, 7.0—Literary Review. 7.5— Pianoforte Trio (Pegler). Heusler (Violin), Kune (Cello) and the Composer (Pianoforte). 7.30—

Josef Chaloupka Programme—Talk, Recitations and Songs. BRUSSELS (No. 1), 7.0—Talk : The French Language. 7.15—Song Recital by Serano. 7.30—Medical

Rezital by Serano. 7.30-Medical Talk.
BRUSSELS (No. 2), 7.0-Talk : Orthography. 7.15-Orchestra. Serenade, Napoli (d'Ambrosio).
Suite (Chaminade). 7.30-Programme for Ex-Servicemen.
BUDAPEST, 7.10-Records.
COLLOGNE, 7.0-Announcements.
7.15-Battle Songs. 7.45-"Bridge Building "-Sequence (Lersch).
DEUTSCHLANDSENDER, 7.0-Military Band.
FRANKFURT, 7.0-Time; News.
7.10-Abert Schweitzer" - Sequence, with Address by Dr. Erich Förster. 7.35-See 7.15 Cologne.
7.45-To be announcements.
7.15-Dise Cologne. 7.45-Sec Munich.

HILVERSUM, 7.0—Orchestra. Con-ductor: v. d. Horst. Caravane hindoue (Popy). Orientale (Cui).

Soiron

Arabian Gold (Rusi). Au royaume arabe (Alexandrov). 7.20—Ensem-ble Concert. Gaby Ehrhardt (3ongs). 7.40—S.O.S. Announce-ments. 7.50—Records. HUIZEN, 7.0—Records. 7.10— Technical Talk. 7.40—News. 7.45 —Records. 7.55—Lesson in Archae-ology.

dets (Pfanoforte). Symphonic Poem, Les préludes. Pianoforte Concerto No. 1 in E flat. Sym-phonic Poem, Mazeppa. LYONS (La Doua), -7.30—News; Theatre Notes. 7.50—Gardening Hints.

MADRID (EAJ7), 7.0—" Cavelleria rusticana" (Mascagni) (contd. from

6.45). IONTE CENERI, 7.0-Markets. 7.15-Tessin Songs. Rusticanella Choir. 7.45-Dramatic Programme. "La cros di Poaritt"-Play in Dialect (Glauco). "La luna de mer dal scior Pan-crazi"-Farce in Dialect (Ferra-

rusticana 6.45).

MONTE

Symphonic Pianoforte

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villa-Galuco). In the Intervals : Accordion Records. MORAVSKÁ-OSTRAVA, 7.5-Sta-

MORAYSKA-USIRAYA, 7.3—Sta-tion Orchestra. MOSCOW (No. 1), 7.0—Folk Music. MUNICH, 7.0—News. 7.15—Sec Cologne. 7.45 — "Ekkhard" — Mystery Play with Music (Anton). The Station Orchestra, the Aug-mented Choir and Soloists. Conductor: Winter.

mented Choir and Soloists. Con-ductor: Winter. OSLO, 7.0 – Ingeberg Sandvik Kristensen (Soprano), Sigrid Bakke (Contralto), Theodor Andre-sen (Tenor) and Henry Moe (Bass). Quartet, "Otello" (Verdi). Duets, "Aïda" (Verdi), "The Magic Flute" (Mozart). Trio, "I Lom-bardi" (Verdi). 7.30–Educational Talk.

Talk. PARIS (Poste-Parisien), 7.0—Theatrc Review. 7.4—Records. 7.7— Sports Notes. 7.10—News. 7.28— Records. 7.43—Talk on Aviation. 7.50—Records. PARIS (PTT), 7.45—Tourist Report. PARIS (Radio-Paris), 7.0—Book Re-view. 7.5—Talk on Economics.

phony in B minor—The Pathetic (Tchaikovsky). STRASBOURG, 7.0-Request Re-cords. 7.30-News in French and German. 7.45-For Young People. STUTTGART, 7.0-News. 7.15-See Cologne., 7.45-Talk. TOULOUSE (Radio-Toulouse), 7.0-'Cello. 7.10-Operetta Music. Airs, "Frasquita" (Lehár) and "The Dubarry" (Millöcker-Macke-ben). Air (Benatzky). Airs, "Pas-sionnément" (Messager), "La belle Hélène" (Offenbach) and "La tulipe noire" (Richepin). 7.30-News. 7.45-Orchestra. 7.50-Talk. Talk

TURIN, 7.0—News; Records. 7.30 —Announcements; Talk. 7.45— "The Tempest"—Comedy (Shake-speare). 7.30

speare). VIENNA, 7.0--Request Concert (contd. from 6.25), 7.40--Reading (Raoul Aslan). WARSAW, 7.0--"The Orchestra that was late"--Humorous Musical Pro-gramme, 7.45--News, 7.55--Talk : Work in Poland.

WEDNESDAY Jan. 30

[10

De laatste Kerkgang (Bonset). 8.55--Lesson in Archaeology. JUAN-LES-PINS (Radio Côte d'Azur), 8.0--News. 8.15--Light Music. KALUNDBORG, 8.0--Excerpts, "Eine Nacht in Venedig." Operetta (Strauss). Radio Orchestra. Con-ductor: Mahler. 8.35--Talk: Creation or Evolution.

KÖNIGSBERG, 8.0 – Orchestra (contd. from 7.45). LEIPZIG, 8.0–Liszt Concert (contd. from 7.45).

from 7.45). LYONS (La Doua), 8.0—Talk. 8.20— Book Review. 8.30—Municipal Orchestra. Conductor: Nicolas. MADRID (EAJ7), 8.0—" Cavalleria rusticana" (Mascagni) (contd. from 6.45). 8.15—News. 8.30—German Songs by Inna Goddan. MONTE CENERI, 8.0—Dramatic Programme (contd. from 7.45). MOPAVSKA_OCSTPAVA 8.20—Var

MORAVSKA-OSTRAVA, 8.20-Var-

iety. MOSCOW (No. 1), 8.0—Czech Talk; The Soviet Congress. MUNICH, 8.0—"Ekkhard"— Mystery Play with Music (Anton) (contd. from 7.45). OSLO, 8.0—Station Orchestra. Con-ductor: Kramm

ductor : Kramm. Mieczysław Münz (Pianoforte). Prelude, "Tris-tan and Isolda" (Wagner). Piano-forte Concerto in A (Liszt). 8.40-

PARIS (Poste Parisien), 8.0—Inter-lude, 8.10—Exchange, 8.15— Variety, 8.45—Interlude and Talk, 8.55—Exchange,

Variety. 8.45—Interlude and Talk. 8.55—Exchange.
 PARIS (PTT), 8.0—Records : French Operetta Music. Overture, "La belle Hélène" (Offenbach). Songs, "Les cloches de Corneville "(Plan-quette), "Mam'zelle Nitouche" (Hervé), "Le grand Mogol" (Audran), "Deux fois deux" (Gabaroche), "Nina Rosa "(Rom-berg), "Jean V" (Yvain). 8.30— Dramatic Programme: (a) "Le coeur partage "—Comedy (Besnard), (b) "La dixième tranche "—One-Act Play (d'Hervillier).
 PARIS (Radio-Paris), 8.0—Hahn Con-cert. Part 1: "La Carmélite"— Opera. Choirs and Orchestra. Conductor: Bigol. Part 11: Divertissement, pour une fête de nuit. Conductor: The Composer. In the Interval at 8.30, News.
 PRAGUE, 8.0—Literary Notes. 8.23 —Sonata (Honegger). Novák (Violin) and Sole (Planforte).
 REYKJAVIK, 8.0—Light Music. 8.10 —Weature 8.20—Light Music. 8.10

8.10 REYKJAVIK, 8.0—Light Music. 8.10 —Weather. 8.20—Light Music

REYKJAVIK, 8.0—Light Music. 8.10 —Weather. 8.20—Light Music. 8.50—Announcements. RADIO-NORMANDIE, 8.0—Songs. 8.30—Light Music. ROME, 8.0—Concert (contd. from 7.45)

7.45). SOTTENS, 8.0—Conceit from the Grand Theatre, Geneva (contd. from 7.35). News in the Interval. STOCKHOLM, 8.0—Symphony Or-chestra (contd. from 7.0). 8.45—

Chestra (cond. from 7.9). 5.79-News.
 STRASBOURG, 8.0—For Young People. 8.15—News and Press Review in .German. 8.30—Sym-phony Concert from the Palais des Fêtes. Municipal Orchestra. Con-ductor : Paray. Symphony in E flat (Mozart). Mazeppa (Liszt). Symphonic Poem, Tamara (Bala-kirev). Overture, "Le carnaval romain" (Berlio2).
 STUTIGART, 8.0—Talk. 8.15-"January, 1933"-Musical and Literary Sequence.

STUITIGARI, 6.0-Musical and Literary Sequence. TOULOUSE (Radio-Toulouse), 8.0-Talk. 8.15-Light Music. 8.30-Chansonnettes. TURIN, 8.0 - "The Tempest" (Shakespeare) (contd. from 7.45). VIENNA, 8.0 - Reading (Asian). 8.20-News. 8.30-Vienna Sym-phony Orchestra. Conductor : Winkler.

8.20—News. 8.30—Vienna Symphony Orchestra. Conductor: Winkler. WARSAW, 8.0—Chopin Recital by Mme. Rabcewicz. Fantasia in F minor. Three Etudes. Prelude in C sharp minor. Bolero, 8.30—Talk in German. 8.40—Songs. Hindu Song, "Sadko" (Rimsky-Korsakov). Aria, "Eugene One-gin "(Tchaikovsky). Song (Szopski). The Bells (Niewiadomski). Song (Zelenski).

9 p.m.

ATHLONE, 9.0 – J. O'D. Wade (Entertainer), 9.10–Songs in Irish by S. O'Brien, 9.25–Stella Seaver (Accordion), 9.35–S. MacAonghusa (Pipes); F. O'Higgins (Fiddle), BARCELONA, 9.0 – Chimes; Weather, 9.5–Announcements. 9.10–Variety, BERLIN, 9.0 – News, 9.20–To be

8 p.m.

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ATHLONE, 8.0—Mr. and Mrs. P. Duffy (Songs and Duets). 8.30. D. Clifton ('Cello). 8.55—J. O'l Wade (Entertainer); A. Ella (Violin). (Violin). BARCELONA, 8.0—Sports Notes; Records. 8.30—News; Book Review; Records. 8.55—Exchange. BERLIN, 8.0—Request Records. BEROMUNSTER, 8.0—News. 8.10— "Stop Thief!"—Sketch. 8.25— Radio Orchestra: Conductor: Hofman.

BORDEAUX-LAFAYETTE, 8.0-For

BORDEAUX-LAFAYETTE, 8.0—For Farmers. 8.15—News; Timber Market Prices; Lottery Results; Weather. 8.30—Pianoforte Recital-by Planté (on Records). BRATISLAVA, 8.0—Bratislava Sym-phony Orchestra (contd. from 7.5). BRESLAU, 8.0—From Vienna to Berlin" (contd. from 6.0). BRUSSELS (No. 1), 8.0—Sonata in B minor (Chopin) by Hélène Dinsart (Pianoforte). 8.30—"The Boxers" —Play (Charles). BRUSSELS (No. 2), 8.0—Concert Version, "Francesca"—Opera (De Bocek). In the Interval:. Recita-tions.

tions. BUDAPEST, 8.0—Review: Foreign Affairs. 8.40—News. COLOGNE, 8.0—"Bridge Building "— Sequence (Lersch) (contd. from 7.45). DEUTSCHLANDSENDER, 8.0—

DEUTSCHLANDSENDER, 8.0 – Military Band.
 FRANKFURT, 8.0–Variety.
 HAMBURG, 8.0–See 7.45 Munich.
 HILVERSUM, 8.0–Records, 8.10– Orchestra. Conductor: Walis. Two Songs from "Princess Turandot" (Doelle). La maison paternelle (Sloot). Isle of Dreams (Fearis).
 Hungarian Melodies. Der letzte Pferdebahn(Raasch). 8.40–Records. 8.50–Dutch Sound Film Music by Steyn (Organ).
 HUIZEN, 8.0–Lesson in Archaeology. 8.15–Volharding Mixed Choir. Conductor: Willemse. Domine salvam fac reginam nostram (Giesen). Tears (Kools). Records.

and

who give a recital at. Brussels No. 1 at 6.15 p.m.

7.20—Anglo-Saxon Press Review. 7.30—Topical Talk.

PRAGUE, 7.0.—Symphony Concert of Music by Pilsen Composers. Pilsen Philharmonic Orchestra. Dramatic Overture (Horak). Sym-phonic Poem (Blecha). Piece (Burgstaller).

RADIO-NORMANDIE, 7.0-Light

ROME, 7.0—News; Sports Notes. 7.10—Records. 7.30—Announcements; Talk. 7.45—Instrumental and Vocal Concert. Italian Ladies' Choir and Orchestra. Conductor: Maddalena Pacifico. Maria Serra-Massara (Soprano); Cavagnis (Tenor). Orchestra: (a) Pastorale (Franck), (b) Ecossaises (Beethoven), (c) Hungarian Rondo (Haydn). Vocal Trio: (a) Or care canzonette (Monteverdi), (b) Perifida Glori (Cherubini). Vocal Quartet: Seduto in sulla riva. Vocal Duet: (a) Le filatrici (Malfetti), (b) Dorilla do-lente (Massarani). Vocal Quartet: Two Roman Fo'k Songs. Choir: Sinvolta (Massarani). Vocal Quettet: Two Roman Fo'k Songs. Choir: Sinvolta (Massarani). Vocal Duet, "La cena delle befe" (Giordano). Extract, "Le Villi" (Puccini). Two Symphonic Foxtrots: (a) The Monastery Bells (Huntley), (b) Chopinata (Doucet). In the Interval: Talk: The Architect as Musician.

Musician. SOTTENS, 7.0—Dance Rhythms by the Appia String Qdartet. 7.25— Talk on the following Transmission. 7.35—Concert from the Grand Theatre, Geneva. Radio Suisse Romande Orchestra. Conductor: Ansermet. Walter Gieseking (Piano-forte). Overture, "The Magic Elute" (Mozart). Concerto in E flat for Pianoforte and Orchestra (Mozart). Divertimento for Strings (Moeschinger). Concerto in E flat for, Pianoforte and Orchestra (Beethoven).

STOCKHOLM, 7.0-Symphony Or-chestra, Conductor : Talich, Stina Sundell (Pianoforte), Passacaglia in C minor (Bach-Respighi), Piano-forte Concerto in G (Ravel), Sym-

Interval : Musician.

for Pianofo (Bcethoven).

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WEDNESDAY Jan. 30

(Langlois-Gilson). Romance (Svendsen). Selection, "La Bohême" (Puccini-Gauwin). JUAN-LES-PINS (Radio Côte d'Azur), 9.0-News. 9.15-Or-chestra

MADRID (EAJ7), 9:0 – Pedro Cassé Campos (Pianoforte). Cha-conne and Variations (Handel). Allegro (Granados). Islamey (Balakirev). La Campanella (Paganini-Lisz). Ballad (Chopin). Jeux d'eaux à la Villa d'Este (Liszt). Hungarian Rhapsody (Liszt). MORAVSKÁ-OSTRAVA, 9.30– Talk in Fenerato.

Talk in Esperanto. MOSCOW (No. 1), 9.5-English.

MUNICH, 9.5-News; Exchange Sports. 9.25-To be announced.

PRAGUE, 9.0 — News; Sports Notes. 9.15—Records. 9.30-9.45—

RADIO-NORMANDIE, 9.0 – Or-chestra. Conductor: Verhaegen. Yvonne Grénet (Songs); Lacorne (Clarinet); Croquison ('Cello);

THURSDAY January 31

P.M.

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TALKS

P.M.

2.0 9.0

P.M.

3.0

8.30 PLAYS

2.10

OPERETTA

(Offenbach). CHAMBER MUSIC

Huber)

Chopin).

tunes."

DANCE MUSIC

Hamburg :

Notes. 9.15-F

PRINCIPAL EVENTS

Frankfurt : Symphony No. 3 (Büttner). Kalundborg : Wagner ; Fritz Busch. Hilversum : Concertgebouw. Diepen-

brock, Bruckner. Brussels No. 2: "La Mer" (Gilson). Cologne : Symphony No. 1 (Brahms). Regional : Philharmonic, Beecham. Radio-Paris : Chausson, Mozart, De-

9 p.m. (contd.)

announced. 9.35—Symphony No. 5 in B flat (Bruckner), by the Station Orchestra. Conductor : Boëhm. **BEROMÜNSTER**, 9.0 — Radio Orchestra (contd. from 8.25). 9.15-9.20—Talk in English : A Hearty Welcome to our Winter Guests.

- BORDEAUX-LAFAYETTE, 9.0-Orchestra. Conductor : Guitraud. Jeanguy (Songs), Records in the Interval.
- Interval. BRATJSLAVA, 9.15—News in Hungarian. 9.30—Records. BRESLAU, 9.0 News. 9.20— To be announced. 9.35—Theatre Review. 9.50—Sec 9.35 Frank-

- Review. 9.50—Sec 9.35 Frank-furt. BRUSSELS (No. 1), 9.45—Jongen (Accordion). BRUSSELS (No. 2), 9.0 Concert Version, "Francesca"—Opera (contd. from 8.0). BUDAPEST, 9.0 Opera House Orchestra. Conductor : Selvaggi. COLOGONE, 9.0—Time ; News. 9.15—Talk : Radio Interference. 9.30—Records ; Light Music. DEFUTSCHI ANDSENDER, 9.0—
- DEUTSCHLANDSENDER, 9.0-
- News. HAMBURG, 9.0—Ice Hockey Re-port from Garmisch-Partenkirchen.
- 9.35—News. FRANKFURT, 9.0 Time; News 9.20—To be announced. 9.35-Franz Hauck Dance Band.
- Franz Hauck Dance Band. HILVERSUM, 9.0—Dutch Sound-Film Music (contd. from 8.50), 9.10—Residence Orchestra. Con-ductor: Annoy. Swaap (Violin) and Devert (Viola). Symphony No. 7 (Beethoven). Southern Suite (Brucken-Fock). Symphonie con-certante (Mozart). In the Interval at 9.40: News; Announcements.
- at 9.40; News, Announcements, HUIZEN, 9.0 Lesson in Archae-ology. 9.25—De Volharding Mixed Choirs, Sanctus (Lotti), Gode alleen zij d'eere (v. Rheenen), Moeder en Kind (Zijderlaan), Goeden nacht (Abt), In the Interval; News, 9.55—Parker (Organ), Mendelssohn Potpourti (Fétras), Poème (Fibich). Suite hindoue

SYMPHONY CONCERTS

bussy.

LIGHT CONCERTS

Prague : Gluck, Hába.

11.30 Warsaw : Concert to schools.

Warsaw : Silver, Lehár.

Warsaw : Popular orchestral.

Königsberg : Light orchestra.

Leipzig, etc. : Variety concert. Brussels No. 1 : Radio orchestra.

Hilversum : Wireless octet, violin.

Brussels No. I : Radio Orchestra.

Beromünster : Lehár programme.

Strasbourg : Popular orchestral. Brussels No. I : "Ascanio"

9.1) Brussels No. 1: Ascano Dallet (Saint-Saëns).
10.0 Hamburg, Deutschlandsender: Mil-löcker, Thomas, etc.
10.10 Hilversum: Light music.
10.15 National: Orchestra, conducted by Avlmer Buesst

Aylmer Buesst.

Königsberg : " The Bach Family."

Brussels No. 2 : Franck, d'Indy, Ravel.

Turin, Rome, Budapest, Oslo, Stock-holm, Vienna : "Nero" (Mascagni). Monte Ceneri : "Pagliacci" (records).

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OPERAS

8.0 8.15 Lařcher (Baritone). Marche héroique (Saint-Saëns). Two Bari-tone Songs (Verhaegen): (a) II est un charmant gazon, (b) La vie et les roses. Andante for Clarinet and Orchestra (Mozart). Soprano Songs: (a) Les cloches (Saint-Saëns), (b) Aria "Le Cid" (Mas-senet). "Cello Solo : Le cygne (Saint-Saëns). Baritone Song : Devant ma chaumière normande (Leboi). "Orchestra : (a) Ave verum (Mozart), (b) Prière (Boel-mann). Love Song (Verhaegen). Selection, "Rosamunde" (Schu-bert). Waltz Suite (Filipucci). EVKLAVIK. 9.0 – News. 9.30-

REYKJAVIK, 9.0 - News. 9.30-Reading.

- d'Azul), 9.0-News. 9.15-Or-chestra.
 KALUNDBORG, 9.5 News. 9.20
 -Seventeenth and Eighteenth Cen-tury German Music. Radio Cham-ber Orchestra. Conductor : Mahler.
 Erik Thomsen (Flute). Dance Suite (Schein). Concerto in B minor, for Flute, Strings and Harpsichord (Hasse). Concerto grosso in E minor, for Two Violins. 'Cello, Harpsichord and Orchestra (Handel).
 9.50-Warny Dance Band.
 KÖNIGSBERG, 9.0 News. 9.20-Morse Lesson. 9.45-Classical Records.
 LEIPZIG, 9.0 News. 9.35-See Frankfurt.
 LYONS (La Doua), 9.0 Municipal ROME, 9.0 — Concert (contd..from 7.45). After the Concert, News ; Light Music. LYONS (La Doua), 9.0 — Municipal Orchestra (contd. from 8.30), News.
 - SOTTENS, 9.0—Concert, from the Grand Theatre, Geneva (contd. from 7.35). 9.25-9.45—Talk : The League of Nations.
 - STOCKHOLM, 9.0-Dance Music.
 - STOCKHOLM, 9.0—Dance Music. STRASBOURG, 9.0 Symphony Concert (contd. from 8.30). In the Interval: Press Review. STUTTGART, 9.0—News; Sports Notes. 9.20—To be announced. 9.35 Folk Programme. Julia Hutter (Soprano); Arthur Hoger (Dialect Recitations).
- (Dialect Recitations), 9.0 —Concert Version, "The Land of Smiles"—Operetta (Lehar), 9.45 T U R IN, 9.0.— "The Tempest" (Shakespeare) (contd. from 7.45). MUNICH, 9.5-News; Exchange; Sports. 9.25-To be announced.
 OSLO, 9.0 - Topical Talk. 9.15-Orchestra (contd. from 8.0).
 Norwegian Artists' Carnival (Svendsen). Caucasian Suite (Ippolitov-Ivanov). Ballet Music (Leuschner).
 PARIS (Poste Parisien), 9.0-Negro Spirituals. Jazz Music, Songs and Poems. 9.45-Announce-ments.
 - VIENNA, 9.0—Orchestra (contd. from 8.30). 9.30—News. 9.50— Talk in Esperanto : The Innsbruck
- Congress. WARSAW, 9.0—Announcements 9.15—Dance Music. ments. PARIS (PTT), 9.0—Dramatic Pro-gramme (contd. from 8.30). PARIS (Radio-Paris), 9.0— Hahn Concert (contd. from 8.0). In the Interval at 9.15: News; Review by Reboux.

10 p.m.

- ATHLONE, 10.0-Variety. 10.30-Time; News; Weather. 10.40-Time ; Records
- BARCELONA, 10.0-News. 10.5-"La Madrina"-Musical Comedy (Vela-Bru), from the Teatro Lirico. BERLIN, 10.0-10.50—Symphony No. 5 (Brückner) (conid. from 9.35). BORDEAUX-LAFAYETTE, 10.0— (approx.)—Amusement Guide.

Sottens : "Lieschen und Fritzchen"

Hilversum : Violin, pianoforte (Voor-

molen). Berlin : Sonata (Haydn), etc. Munich : Quartets (Fielitz, Beethoven). Beromünster : Violin, pianoforte (Hans

7.30 Stockholm : Old instruments. 9.35 Frankfurt : Sonatas (Haydn, Mozart). RECITALS

A.M. 10:10 Hilversum : Pianoforte (Beethoven,

Prague : South American music.

Radio-Paris : " L'homme à bonnes for-

Paris (PTT) : Sorbonne lecture. Sottens : Talk on the League of Nations.

Deutschlandsender; 7.10, Hamburg, etc.; 7.10, Berlin, Breslau (8.0); 7.50, Deutschlandsender (from New York); 9.15, Warsaw; 9.35, Königsberg; 9.50, Kalundborg; 10.30, Radio-Paris, Re-gional; 11.15, National Vienna.

"Die Geschwister"

Hilversum : Bartók, pianoforte.

Brussels No. 2: Organ.

(Goethe). 6.15 Leipzig : A Play of Artists' Life.

- BRESLAU, 10.0—See Frankfurt. BRUSSELS (No. 1), 10.0—News. 10.10—Dance Music. BRUSSELS (No. 2), 10.0—News. 10.10—See Brussels (No. 1). BUDAPEST, 10.0—Orchestra "contd. from 9.0. 10.20—News in English. 10.35—Arpád Károlyi Cigány Band.
- COLOGNE, 10.0-Zinne Dance Band. DEUTSCHLANDSENDER, 10.0 -See Frankfurt.
- See Frankfurt. FRANKFURT, 10.0—Dance Music. HAMBURG, 10.0—Rome Quartet (on Records). String Quartet in D (Boccherini). String Quartet in D minor—" Death and the Maiden" (Schubert).
- (Schubert). HILVERSUM, 10.0—The Residence Orchestra (contd. from 9.10). 10.40 Dance Records. HUIZEN, 10.0 Parker (Organ) (contd. from 9.55). 10.40—Re-contd. from 9.55). 10.40—Re-
- KALUNDBORG, 10.0-Warny Dance
 - KÖNIGSBERG, 10.0-Classical Re-
- cords. LEIPZIG, 10.0—See Frankfurt. MADRID (EAJ7), 10.0—Chimes. 10.5 —News. 10.15—Station Sextet. MOSCOW (No. 1), 10.5—German Talk: The Russian Revolutionary Movement.
- MUNICH, 10.0—Dance Music. PARIS (Poste Parisien), 10.0—Flor-ence Orchestra. 10.30—Light Music n Records
- PARIS (PTT), 10.0—Dramatic Pro-granme (contd. from 8.30). 40.30 —News.

- News.
 PARIS (Radio-Paris), 10.0—Hahn Concert (contd. from 8.0). 10.30— Dance Music. Victor Pascal Band.
 RADIO-NORMANDIE, 10.0—Or-chestra (contd. from 9.0).
 REVKJAVIK, 10.0—Thorarinn Gud-mundson (Violin); Italian Song Records.
 ROME, 10.0—News.
 STRASBOURG, 10.0—Symphony Concert (contd. from 8.30). 10.30— Light Orchestra from the Grand Kleber.
- STUTTGART, 10.0-See Frankfurt. TOULOUSE (Radio-Toulouse), 10.0– Songs. 10.15–North African News. 10.30–Syniphony Orchestra. Scren-ade, "Namouna" (Lalo). Cigány

NATIONAL

- For Time Signals, see Monday

- NATIONAL For Time Signals, see Monday 10.15 a.m. (Droitwich)—Service. 10.30 (Droitwich)—Weather Forecast. 10.45—"At Home To-day." 11.5—Records. 11.30 (ex. Scottish) For Schools : Districts of England. 11.30 (Scottish) News for Com-munity Service Clubs. 11.50—Rutland Square and New Victoria Cinema Orchestra. Over-ture, The Mule Driver (Hérold). Waltz, Lagoons (Strauss). Suite, Four Jolly Tunes (Tate). Two Guitars (Horlick). Bosun Bill (Ewing). Under Heaven's Blue (Payan). Keyboard Kapers (Steele). Selection, The Merry Widow (Lehar). I know of two bright eyes (Clusam). Selection, The Desert Song (Romberg). 10 p.m.—New Records. 2.0-3.0 (Scottish)—See Regional. 2.5-3.0 (ex. Scottish)—For Schools : History. 2.30—Biology. 3.0—Evensong relayed from West-minster Abbey. 3.15—Records, 4.45—Organ Recital. 5.15—Alfredo Campoli and his Orchestra. 6.30—The Foundations of Music." 6.30—German : Max Kroemer. 7.20—Records. 3.30—Records. 3.30—Chernan : Max Kroemer. 7.20—Records. 3.30—Chernan : Max Kroemer. 7.20—Records. 3.30—Markets and Men." Rubber —1: J. W. F. Rowe.

- -1: J. W. F. Rowe.
 8.0—"Love needs a Waltz." A Modern Fairy Tale by James Dyrenforth to music by Kenneth Leslie-Smith.
 9.0—The Wireless Military Band, in a programme of Regimental Marches.
 9.30—"The Second News."
 10.0—A Short Mid-week Service, conducted by the Rev. W. H. Elliott, relayed from St. Michael's, Chester Square. Square. 19.15-B.B.C. Orchestra (Section D),
- 10.15—B.B.C. Orchestra (Section D), conducted by Aylmer, Buesst. Over-ture, The Bartered Bride (Smetana).
 Secnes from Catamarca (Blamey Lafone). Suite from the Ballet, The Sleeping Beauty (Ichaikovsky).
 11.15-12.0 (Droitwich) Dance Music : The Grosvenor House Dance Band.

[JANUARY 25, 1935

- Song Potpourri. Charge de cava-lerie (Bohme). Piece (Blon). Bolero (Ravel). Military March (Schubert) 10.45—Chansonnettes.
- TURIN, 10.0-News. 10.10-News anish
- VIENNA, 10.0-Dance Music. WARSAW, 10.5-Dance Music.

11 p.m.

BARCELONA, 11.0—"La Madrina" —Musical Comedy (Vela-Bru) (contd. from 10.5). BUDAPEST, 11.0—Arpad Károlyi Cigány Band, 11.5—News. FRANKFURT, 11.0—See Stuttgart. HILVERSUM, 11.0-11.40—Dance Re-cords

- Cords. HUIZEN, 11.0-Records. KALUNDBORG, 11.0-11.30-Chimes: Warny Dance Band. Warny Dance Band. MADRID (EAJ7), 11.0—Dance Music.
- PARIS (Radio-Paris), 11.0-Dance
- Music. RADIO-NORMANDIE. 11.0-Re-cords. 11.30-Light Music. REYKJAVIK, 11.0-Italian Song Re-
- REYNJAVIR, 11.0-Lunau Congress cords. STRASBOURG, 11.0-Light Music from the Grand Kleber. STUTTGART, 11.0-Light Music. TOULOUSE (Radio-Toulouse), 11.0 --Chansonnettes. 11.5-Request Music. 11.15-Accordion. 11:30 --Opera Music. Arias, "Carmen" (Bizet), "La Traviata" (Verdi). "Le Caid " (Thomas), and "La vivan-diere (Godard). 11.45-Viennese Orchestra:
- Orchestra: VIENNA, 11.30—Records : Viennese Music

12 midnight

FRANKFURT, 12.0—See Stuttgart. RADIO-NORMANDIE, 12.0—Dance

RADIO-NURMAINER, 12.0 Music. STUTTGART, 12.0–Light Music. TOULOUSE (Radio-Toulouse), 12.0 –News. 12.5–"Au caveau de minuit"–Radio Fantasy. 12.15-12.30–Opera Music. Overture, "Don Giovanni" (Mozart). Se lection, "Cavalleria rusticana" (Mascagni).

1 a.m. (Thursday) RADIO-NORMANDIE, 1.0-News. 1.10-Dance Music.

REGIONAL For Time Signals, see Monday

- For Time Signals, see Monday 10.15-10.45 a.m. (except Midland)— Droitwich. 10.45—Bath Pump Room Orchestra. 11.45—Beth Pump Room Orchestra. 12.20 p.m.—Belfast Wireless Orches-tra. Fred Hughes (Tenor). 1.20—Organ Recital. 2.0 (ex. Scottish) The Western Studio Orchestra. 2.0 (Scottish) For the Schools: Reception Test. 2.5 History: 2.30—Music. 39 (Scottish Lill 3.25): West and
- (Scottish) For the Schools: Reception Test. 2.5 History. 2.30—Music.
 (Scottish till 3.25; West and North from 3.25)—Relayed from Breslaa. Light Music by the Ger-man Wireless Orchestra.
 (West and North) For Schools.
 (Scottish) Mid-week Service.
 (A-0-") Pleasure on Parade."
 (A-C-The Children's Hour.
 (Sottish) Mid-week Service.
 (A-0-") Pleasure on Parade."
 (A-5-Records: Light Entertainment.
 (Sottish) Mid-week Service.
 (A-0-") The Eirst News."
 (Go -- "The Children's Hour.
 (Go -- "The Children's Mour.
 (Sottish) For Schools.
 (Western Iroin 6.30)—The B.B.C. Dance Orchestra.
 (Go (Western) For Fariners.
 (Scottish) For Fariners.
 (Scottish) For Fariners.
 (Scottish) For Fariners.
 (Northern)—Studio Orchestra.
 (Northern)—Studio Orchestra.
 (Northern)—Studio Orchestra.
 (Northern)—Studio Orchestra.
 (Northern)—Stratton String Quartet.
 (Sottish) For Fariners.
 (Northern)—Stratton String Quartet.
 (Sottish) Fatk in Welsh.
 (Sotto) (Scottish)—Reid Orchestra.
 Milton Knight (Flute). Sir Donald F. Tovey (Pianotorte).
 IsT-10.0 (Regional, Midland, West-ern; N. Ireland from 9.45)—London Philharmonic Orchestra. Conductor, Sir Thomas Beecham. Symphony No. 4 in A (Mendelsohn). Symphony No. 4 in A (Mendelsohn). Symphony No. 5, in C minor (Beet-hoven).
 (Northern)—Talk

Symphony No. 5, in C minor (Beet-hoven). 8.30 (N. Ireland)—Organ Recital. 8.40 (Northern)—Talk. 9.0 (Northern)—Relay from Chester-field Parish Church. 9.0 (N. Ireland)—Old Time Melodies. 9.50 (Northern)—'Hot'' Records, 10.0 (Scottish)—Wireless Singers. 10.30-12.0 (Midland till 11.15)— Grosvenor House Dance Band.

Hours of Transmission in Greenwich Mean Time

5 a.m. - 8 a.m.

5 a.m. - 8 a.m. BERLIN, 5.15-Hymn; Gym. 5.30-Weather; Meditation. 5.35-Or-chestra. 6.0-News. 6.10-Or-chestra. 7.0-Gym. 7.20-Records. 8:0-For Children. BRESLAU, 5.0-Weather; Gym. 5.25 -Hymn; Motto. 5.35-Records. 6:0-News. 6.15-See Cologne. 7:30-Records; Review. BUDAPEST, 5.45-Gyin; Records. COLLOGNE, 5.0-Hymn; Records. 5.45-Gym. 6.0-News; Hymn. 6.15-Chamber Orchestra from Bonn. 7.0-Water Level. 7.5-Orchestra (cont.d.), 7.30-Weather. 7:35-Gym. 7.50-Talk; Rabbit Breeding.

T.35—Gym. 7.50—Talk : Rabbit Breeding.
DEUTSCHLANDSENDER, 5.35— Records with Heinz Goedecke. In the Interval at 6.0 : News. 7.45— Gym. 8.40—Talk for Land Girls : "Green Week."
FRANKFURT, 6.0—See Munich. 7.10—Water Level, 7.15-7.30—Gym. 8.15—Orchestra.
HAMBURG, 6.0—News. 6.10—See Berlin. 7.0—Health Talk. 7.10— Ice Report. 7.15-7.45—Announce-ments ; Records.
HILVERSUM, 7.40—Time. 7.41— Records.

ments, Records.
HILVERSUM, 7.40-Time. 7.41-Records.
HUIZEN, 7.40-8.55-Records.
KALUNDBORG, 6.0-Gym. 7.30-Service. 7.15-Meeting of the Jutland Cattle-Breeders' Associa-tion, relayed from Agphus.
KÖNIGSBERG, 6.0-News. 6.10-See Berlin. 7.0-7.10-Service. 7.30 -Gym for Women. 8.35-Talk for Mothera.
LEIPZIG, 6.0-News. 6.10-See Berlin. 7.0-Gym. 7.20-Records.
8.55-Exchange : Announcements.
MUNICH, 6.0-Orchestra. Con-ductor : Hagel. 7.15-7.35-Gym. 8.10-8.30-For Housewives.
PARIS (Poste Parisien), 7.10-Fan-fare ; Records. In the Interval at 7.30 : News. 8.0-Records. In the Interval at 8.20 : News. 8.45-Cookery Hints.
PARIS (PTI), 8.0-Press Review ; News.
PARIS (Radio-Paris). 6.45-Gym.

PARIS (P11), 6.0-Piss Action News. PARIS (Radio-Paris), 6.45-Gym. 7.0-Records. 7.15-News. 7.45-Gym. 8.0-Records. PRAGUE, 5.15-6.30-Gym; Music; News. 8.50-News. ROME, 6.45-Gym: 7.0-7.15-News; For Housewives; Weather. STOCKHOLM, 6.20-Gym. 6.45-Service.

Service. STUTTGART, 5.0—Weather. 5.10— Hymn; Motto. 5.15—Gym. 5.30— Time; News. 5.40—Gym. 6.0— See Munich. 7.15—Gym. 7.35— For Women. 7.50—Weather; Water Level. TOULOUSE (Radio-Toulouse), 8.0— Dance Refrains. 8.30—News. 8.35—Chansonnettes. 8.45—Accor-dion.

dion. TURIN, 6.45—Gym. 7.0-7.15—For

Housewives. VIENNA, 8.0-News. 8.20-Markets. WARSAW, 6.0-Gym'; Records; News.

9 a.m.

BERLIN, 9.0—News; Markets. 9.15 —See Deutschlandsender. BRESLAU, 9.15—See Deutschland-

sender. **BUDAPEST**, 9.0-News. 9.20-Talk. 9.45-Reading. **COLOGNE**, 9.0-News. 9.10-For Schools : Folk Songs and Soldier Songs-Concert by a School Choir and Orchestra. 9.50-Pirate and Adventure Tales.

9.0-

DEUTSCHLANDSENDER, 9. News. 9.15—Folk Songs. FRANKFURT, 9.0—News. 9.1 See Stuttgart, 9.45—Hints Housewives 9.15

See Stuttgart. 9.45—Hunts for Housewives. HAMBURG, 9.15—See Stuttgart.

9.50—News. HILVERSUM, 9.40—Service. 9.55— Sacred Music on Records. HUIZEN, 9.40—Records. 9.55— Religious Programme.

KÖNIGSBERG, 9.0–Gym for Chil-dren. 9.10-9.15–Hints for House-wives. 9.40–News. LEIPZIG, 9.0–Exchange ; Announce-ments. 9.15–See Deutschlandsen-

ments. 9.15-500 Person Sector der. MOSCOW (No. 1), 9.0-News. MUNICH, 9.15-9.45-See Stuttgart. 9.50-Markets. PRAGUE, 9.5-News in German. 9.10-Records. 9.15-Orchestra. STUTTGART, 9.0-News. 9.15-Folk Songs. Conductor: Stapel-berg. 9.45-Instrumental Recital from Mannheim. Stolz (Violin),

Otto Rühe (Violin), Helmuth Schowater (Viola) and Albrecht Schaper ('Cello). String Quarter in A (Mozart). String Quartet No. 3 in G minor (Haydn).

10 a.m.

BERLIN, 10.25-10.30-Exchange. BRESLAU, 10.0-For Schools. 10.30 -News. 10:45-Legal Talk for

Farmers. BUDAPEST, 10.0-Reading. 10.10-

Fariners.
BUDAPEST, 10.0—Reading. 10.10— Water-Level.
COLOGNE, 10.0—Pirate and Adven-ture Tales (cond. from 9.50). 10.30 —Post Office Programme.
DEUTSCHLANDSENDER, 10.0— Physical Culture. 10.15—Weather. 10.30—For Farmers.
FRANKFURT; 10.0—Announce-ments; Records. 10.30—Announce-ments; Exchange; Social Notes.
HAMBURG, 10.0—European Folk Songs. 10.30—See Königsberg.
HILVERSUM, 10.0—Sacred Music on Records. 10.10—Be Gerris (Piano-forte). Sonata (Beethoven). Scherzo in B flat minor (Chopin). 10.40— Dressmaking Lesson.
HUIZEN, 10.0—Religious Pro-gramme. 10.25—Records.
KÖNIGSBERG, 10.30—Police Band. Conductor : Stieberitz.

HUIZEN, 10.0 – Religious Programme 10.25 – Records.
KÖNIGSBERG, 10.30 – Police Band. Conductor: Stieberitz.
LEIPZIG, 10.30 – Announcements; Records. 10.30 – Naws. 10.45 – Programme for Farmers.
MUNICH, 10.0 – For Farmers. 10.20 – -News. 10.30 – Records.
OSLO, 10.15 – Service. 10.50 – Ex-chance

change. PRAGUE, 10.0—Record. 40.5—Or-chestra. 10.55—Announcements. STUTTGART, 10.0—Instrumental Re-cital (contd. from 9.45). 10.15— Concert. 10.45—Weather; For

Farmers. TURIN, 10.30-Malatesta Chamber

Orchestra. VIENNA, 10.30—Talk : Little-known Handicrafts.

11 a.m.

11 a.m. BERLIN, 11.0-See Königsberg. BEROMUNSTER, 11.0-Radio Or-chestra. Conductor : Hofmann. 11.29-Time Signal from Neuchâtel Observatory ; News. 11.40-Radio Orchestra. Conductor : Hofmann. Part I.-Estracts from Wagner's Operas. Part II.-Operetta Music. BRESLAU, 11.0-Station Dance Band. Conductor : Higner. BUDAPEST, 11.0-Chimes, from the University Church. 11.5-Station Orchestra. Conductor : Vilmos Roubal. In the interval at 11.30-News.

COLOGNE, 11.0-See Munich. DEUTSCHLANDSENDER, 11.0-

News.
COLOGNE, 11.0—See Munich.
DEUTSCHLANDSENDER, 11.0—See Breslau.
FRANKFURT, 11.0—Orchestra. Conductor: Priedöhl.
HAMBURG, 11.0—Announcements.
11.10—See. 11.0 Königsberg.
HLVERSUM; 11.0—Drench Songs by Elisabeth de Haan. Songs (Chaminade): (a) L'Anneau d'Argent, (b) La première lettre. Pièce (Delettre). Records. Si petite (Claret). Si mes vers avaient des ailes (Hahn). Yous dansez, Marquise (Lemaire). 11.40—Time. 11.41.
Light Music. A.V.R.O. Orchestra. Conductor: Treep. Vindobona (Komzák). Overture, "Martha" (Flotow). Suite, Joyous Youth (Coates). Im schönen Tal der Isar (Löhr). Records. Stelection, "The Dollar Princess" (Fall). Si vous l'aviez compris (Denza). La Crinoline (Ortleb). Walzerflut (Fétras).
HUIZEN, 11.0—Records. 11.10—Religious Address. 11.40—Police Messages. 11.55—K.R.O. Orchestra. Conductor: Van 't Woud. Overture, "Phèdre " (Massenet). Suite, Joyous Youth (Coates). Im schönen]. Editor: Van 't Woud. Overture, "Phèdre" (Massenet). Suite, Joyous Youth (Coates). Selection, "La kme" (Delibes). Chinese Dance (Crist). The Nutmeg Dance (Ellis). Records. Selection, "La belle Hélène" (Offenbach). By the Waters of Minnetonka (Licurance). Piece (Lieurance). Suite, Old China (Niemann). Die Kulis von Sumatra (Jessef).
KALUNDBORG, 11.2—Bendix String Ensemble.

KALUNDBORG, 11.2—Bendix String Ensemble.
KÖNIGSBERG, 11.0—Police Band. Conductor: Stieberitz.
LEIPZIG, 11.0—Leipzig Symphony Orchestra. Conductor: Weber. Overture, "Fidelio" (Beethoven). Suite, "Oberon" (Weber). Over-ture, "Bruder Lustig" (Slegfried Wagner). Selection, "Arabella" (Strauss).
MONTE CENERI, 11.0—Announce-ments. 11.55—News.
MUNICH, 11.0—Orchestra. Conduc-tor: Kloss. Overture, "The Land of Smiles" (Lehár). Prelude,

"Santa Poesia" (Cortopassi). Se-"Santa Poesia" (Coropassi). Sc-lection, "Mignon" (Thomas). Waltz, "Liebe im Schnee" (Be-natzky). International Suite (Tchai-kovsky). Pieces (Plank): (a) Ly-risches Scherzo, (b) Tanzende Nixen. Notte di stelle (Micheli). March

WORLD-RADIO

(Frank). PARIS (PTT), 11.0-Orchestra. PRAGUE, 11.0-For Farmers. 11. -Records. 11.25-News. 11.35 Dance Music and Light Music. ROME, 11.30-Records. SOTTENS, 11.30-News. 11.40 Paratetic Records; Exchange. 12.45— Records.
 VIENNA, 12.0—News. 12.10—Ger-man Opera Music on Records.
 WARSAW, 12.0—News. 12.10-12.45 —Concert for Schools (contd. from 11.30). 11.10

11.40-

Records. STOCKHOLM, 11.30–Weather. 11.45–Exchange. 11.55–Time. STUTTGART, 11.0–See Frankfurt. TURIN, 11.0–Orchestra (contd. from 10.30). 11:30–Records. 11.45–

News, VIENNA, 11.0-Records. WARSAW, 11.5-News, 11.10-For Children, 11.30 - Concert for Schools, from the Philharmonic, Hall. The Station Orchestra, Conductor: Mierzejewski. Pomorska (Songs). Introductory Talk. Overture, "Il Seraglio" (Mozart). Dance of the Tartars (Borodin). Songs. Ballet, "The Countess" (Moniuszko).

12 noon

BERLIN, 12.0-Mid-day Echocs. 12.15-Dance Records. BEROMUNSTER, 12.0-Orchestra (contd. from 11.40). 12.25-Time; Weather; Exchange, 12.30-For Housewives. BRESLAU, 12.0-Station Dance Band. Conductor: Ilgner. In the Interval: Time; News. BRUSSELS (No. 1), 12.0-Records of Light Music and Flemish Songs. BUDAPEST, 12.0-Orchestra (contd. from 11.5), 12.20--Time; Weather. 12.30-Lidia Barabas (Violin); Ella CZigby (Songs).

ColLOGNE, 12,0—News; Greetings.
 CoLOGNE, 12,0—News; Greetings.
 12,15—Station Schrammel Band.
 Erna Berger Kreuther (Songs); Schneider (Bass-Baritone); Wolff

(Cinema Organ). DEUTSCHLANDSENDER, 12.0 — Greetings. 12.10 — See Breslau.

DÉUTSCHLANDSENDER, 12.0 – Greetings, 12.10 – Scs Breslau. 12.45--News. FRANKFURT, 12.0--News. 12.15--Sibelius, Delius, Falla, and Richard Strauss Records. HAMBURG, 12.0-Shipping. 12.10--Light Music. HILVERSUM, 12.0--Dight Music. (contd. from 11.41). HUIZEN, 12.0-Orchestra (contd. from 11.55). KALUNDBORG, 12.0-Bendix String Ensemble.

KÖNIGSBERG, 12.0—Announce-ments. 12.5—Records of Light

Saxony and Silesia-Sequence with Records (Bombe).
DEUTSCHLANDSENDER, 1.0 -- Variety. 1.55-Announcements.
FRANKFURT, 1.0 -- Records (contd. from 12.15) 1.15-News.1.30-Economic Notes. 1.45-Exchange.
HAMBURG, 1.0-Light Music. 1.15-News. 1.30-Economic Notes. 1.45-Exchange.
HAMBURG, 1.0-Light Music. 1.15-News. 1.30-Extracts, "Martha"-Opera (Flotow), on Records.
HILVERSUM, 1.0-Records. 1.15-A.V.R.O. Orchestra. Conductor: Treep. March Potpourri (Hruby).
Poppies (Moret). Sefina (Siede).
Patsy, the swankey drum-major (Myddleton).
HUIZEN, 1.0-Orchestra (contd.from 11.55).
HONGSBERG, 1.0-Handicrafts.
KALUNDBORG, 1.40-Reading.
KÖNIGSBERG, 1.0-News; Records of Light Music.
LEIPZIG, 1.0-News; 1.30-Exchange.
LEIPZIG, 1.0-News; Schange.
LEIPZIG, 1.0-News; Schange.
LEIPZIG, 1.0-News; Schange.
LEIPZIG, 1.0-News; Schange.
MUNICH, 1.0-News; Schange.
MUNICH, 1.0-News; Schange.
MUNICH, 1.0-News; Schange.
MUNICH, 1.0-News.
MUNICH, 1.0-News.
PARIS (Poste Parisien), 1.0-Exchange.
Trunk). Lieder der Nacht (Knab).
PARIS (PTT), 1.0-News.
PARIS (Radio-Paris), 1.0-Crehestra (contd.from 12.30). In the Interval at 1.20: Exchange.
PARIS (Radio-Paris), 1.0-Crehestra (contd.from 12.30). In the Interval at 1.20: Exchange.
PARIS (Radio-Paris), 1.0-Crehestra (contd.from 12.30). In the Interval at 1.20: Exchange.
PARIS (Radio-Paris), 1.0-Crehestra (contd.from 12.30). In the Interval at 1.20: Exchange.
PARIS (Radio-Paris), 1.0-Crehestra (contd.from 12.30). In the Interval at 1.20: Exchange.
PARIS (Radio-Paris), 1.0-Crehestra (contd.from 12.30). In the Interval at 1.20: Exchange.
PARIS (Radio-Paris), 1.0-Crehestra (contd.from 12.30). In the Interval at 1.20: Exchange.
PARIS (Redio-Paris), 1.0-For Children.
ROME, 1.0-1.5-Exchange and Weather in German. KÖNIGSBERG, ments. 12.5-Records of Ligne Music. LEIPZIG, 12.0-News. 12.10-Schrammel Music. MONTE CENERI, 12.0-News. 12.5 -Sports. 12.15-12.30-Records. MUNICH, 12.0-Orchestra (contd. from 11.0). 12.15-News. 12.25-Records of Folk Music. OSLO, 12.0-Records. In the Inter-val at 12.15: Weather; For Farmers, and at 12.45: Exchange. PARIS (Poste Parisien), 12.5-Re-cords : Military Music. 12.15-Light Music. 12.0-Tourist Report.

Light Music. 12.15-Light Music. PARIS (PTT), 12.0-Tourist Report.

Light Music. ARIS (PTT), 12.0—Tourist Report. 12.15—Italian Singers on Records. ARIS (Radio-Paris), 12.0—Pro-testant Address. 12.30—Pascal Or-chestra. Serenade (Tosti). Téie droite (Mateo). En wagon (de Rosc). "Pianoforte Solo (Schu-manin). Nos belles montagnes (Birkoffer). Spanish Dance (Falla). Selection, "The Land of Smiles" (Lehár). "Cello: Le cygne (Saint-Saëns). Selection, "Les soeurs Hortensias" (Moretti). Piece (Chamberd). Minuet (Bolzoni). Scherzo-Tarantella (Wieniawski). Marionetten Brautzug "(Rathke). Kamarinskaya (Barch). J'attendrai (Marbot). Wedding of the Painted Doll (Brown). Très jolie (Waldteu-[el). PARIS

fel). PRAGUE, 12.0—Dance Music and Light Music, 12.35—Talk : Indus-try, 12.45—Records, 12.55—Ex-

change. RADIO-NORMANDIE, 12.0—Mili-tary Music. 12.30—News ; An-

tary Music. 12.30—News; An-nouncements. ROME, 12.0—News; 12.5—"The Four Musketeers"—Parody (Nizza and Morbelli). Music by Storaci. 12.35—News; Exchange. 12.45— Light Music. SOTTENS, 12.0—Records. STOCKHOLM, 12.0—See Kalund-borg.

STRASBOURG, 12.0—Orchestra. 12.30—News. 12.45—Records. STUTTGART, 12.0—Time; Local News. 12.5—News. 12.15—See Frankfurt.

TOULOUSE (Radio-Toulouse), 12.0 —Operetta Music. 12.15—Opera Arias. 12.30—News. 12.45—Re-quest Music. TURIN, 12.0—News. 12.5—"The Four Musketeers "—Parody (Nizza-Morbelli). Music by Storaci. 12.35 —Records; Exchange. 12.45— Records.

1 p.m. ATHLONE, 1.30-Time; Weather; Exchange; Records. BERLIN, 1.0--News. 1.15-1.30-German Dances (Schubert), by the Deman String Quartet (on Re-

the Denial String cords). BRESLAU, 1.5—Exchange. 110— Post Office Programme : Records. 1.35 — Greetings. 1.40 — Market

1.35 — Greetings. 1.40 — Market Prices.
BRUSSELS (No. 1), 1.0—News. 1.10 —Records: "Carmen" (Bizet).
BRUSSELS (No. 2), 1.0—News. 1.10 —Radio Orchestra. Conductor: Gason. Chanson d'amour (Can-dael). Pieces for 'Cello and Piano-forte (Verhoeven): (a) In Me-moriam, (b) Reverice. Lentelust (Hullebroeck). Cortège oriental (Leemans). A ubade à Kiki (De Boeck). Pastoral Suite (Gilson).
BUDAPEST, 1.0—Violin and Songs (contd. from 12.30). 1.40— Household Hints.
COLLOGNE, 1.0 — Announcements. 1.15-1.45—Dances from Thuringia, Saxony and Silesia—Sequence with Records (Bombe).

Records (Bombe). DEUTSCHLANDSENDER, 1.0 -

Children. ROME, 1.0-1.15—Light Music. STOCKHOLM, 1.0—Talk. 1.20— Old-time Dance Music. STRASBOURG, 1.0—Exchange. 1.5

-Records. STUTTGART, 1.0-1.15-See 12.15

Frankfurt, TOULOUSE (Radio-Toulouse), 1.0 —Markets. 1.5—"Au cabaret Toulousain"—Fantasy. 1.15—Or-chestra. 1.30—Sound Film Music. 1.45—Millitary Music, TURIN, 1.0—Records. 1.15—Ex-chester.

viENNA, 1.0—Siegfried Idyll (Wag-ner), on Records. Conductor: Karl Muck. 1.20—Announcements.

2 p.m.

ATHLONE, 2.0-2.30-Records. BERLIN, 2.0-Exchange. 2.25-"Ministering Angels" - Sequence about Nursing (Holler). BEROMUNSTER, 2.30 - Records : Light Music and Dance Music. 2.59-Time Signal from Neuchâtel Observatory.

Observatory. BRESLAU, 2.0-Market Prices. 2.10 -Review of Annuals. 2.30-The Adventure in the Wood "-Fairy

Play (Trojan). COLOGNE, 2.0—Talk for Mothers 2.30—Exchange. 2.50—Announce

2.30-Exchanges and ments. DEUTSCHLANDSENDER, 2.0-Announcements. 2.15-For Women, 2.40-Periodical Review. FRANKFURT, 2.0 - Local News, 2.15 - Fairy Tales for Children.

Fer

THURSDAY Jan. 31

HAMBURG, 2.0 — Exchange. 2.40 —Shipping. 2.50—Ice Report. HILVERSUM, 2.0 — For Women. 2.10 — Sonata (Voormolen): Egbert Veen, Junior (Violin) and Egbert Veen, Senior (Pianoforte). 2.40— Desce making

veen, Junior (Violin) and Egbert Veen, Senior (Pianoforte). 2.40– Dress-making.
HUIZEN, 2.0–Handicrafis. 2.40– Blaauw (Organ). Psalm. Aria, "The Messiah." (Handel). Sacred Songs. Four Pieces (Merkel): (a) Maestoso, (b) Larghetto, (c) Andante quasi allegretto, (d) Allegro. Larghetto (Mozart). Adagio (Vivaldi). Sacred Songs.
KALUNDBORG, 2.0–Nielsen String Ensemble from the Ritz.
KONIGSBERG, 2.0 – Markets. 2.10 – Reading (Mohr). 2.30– Eurhythmics for Children.
LEIPZIG, 2.40–Exchange. MUNICH, 2.0 – Reading. 2.30– Matthias Claudius–Commemora-tion Programme of Poems and Songs.

PARIS (Poste Parisicn), 2.0 - Exchange. PARIS (PTT), 2.0-Lecture from the

Sorbone. PRAGUE, 2.45—Exchange; Wca-ther, 2.55—The Prague Jazz Sym-

ther. 2.55—The Prague Jazz Sym-phony Orchestra. STRASBOURG, 2.0—For Children. STUTTGART, 2.30 — For Women. TOULOUSE (Radio-Toulouse), 2.0— Amusement Guide. VIENNA, 2.0 — Markets. 2.20— Talk for Unemployed Youth. 2.40 —For Children.

-For Children. WARSAW, 2.30-News. 2.35-Exchange. 2.45-Polish Marches.

3 p.m.

BERLIN, 3.0—See Leipzig. BEROMUNSTER, 3.0—See Sottens. BRESLAU, 3.0 — Mozart Concert. Station Orchestra. Prade. Divertimento. German Dances. Eine kleine Nachtmusik. Overture, "Figaro." BUDAPEST, 3.10—Talk. 3.45— Time.

Time. COLOGNE, 3.0—See Königsberg. DEUTSCHLANDSENDER, 3.0— "Green Week" Concert from the Exhibition. Jahn Dance Orchestra and Moar Jr. Orchestra with Krüger

and Moar Jr. Orchestra with Krüger (Speaker). FRANKFURT, 3.0 — Concert from the Kurhaus, Wiesbaden. HAMBURG, 3.0 — See Leipzig: HILVERSUM, 3.0-3.25 — Dress-making. 3.40—For Hospitals. HUIZEN, 3.0-3.25—Organ (conid. from 2.40). 3.40—Bible Reading; J. Smit Duyzenkunst (Daritone); H. Smit Duyzenkunst (Organ). KALUNDBORG, 3.0 — Ensemble (contd. from 2.0). 3.45 — For Boys: (a) Discussion, (b) Boys' Choir.

KÖNIGSBERG, 3.0 — Station Light Orchestra. Conductor: Wilcken. Suite No. 1 (Witte). Donausagen (Fučík). Overture, "Der Bettel-student " (Millöcker). Two Seren-ades (Meisel). Two Dances in Old Style (Rust). Selection, "Der Tenor der Herzogin" (Künncke). Ballgeflüster (Meyer-Helmund). Sorrents (Becce). Slav Rhapsody (Friedemann).

Sorrents (becc). Slav Rapsody (Friedemann).
 LAHTI, 3.0—Orchestra. Con-ductor: Linko. March.
 LEIPZIG, 3.0—"Hundreds and Thousands" — Variety by the EmDe Orchestra with Soloists and

Thousads" — Variety by the EmDe Orchestra with Soloists and Records. Conductor: Schröter.
MUNICH, 3.0—Orchestra. Con-ductor: Kloss. Eve Gebhard (Soprano). Overture, "L'oca de' Cairo "(Mozarl). Soprano Arias (Mozarl). Andante Favori and Minuet, "Mozarl'. (Bendl). Schu-mann Potpouri. Soprano Arias (Schuberl). Waltz, Aus der guten alten .Zeit (Strauss). Hungarian Rhapsody (Liszi). Three Pieces (Grieg): (a) Erotica, (b) Ich liebe "dich, (c) An den Frühling. Hun-garian Dances (Brahms).
PARIS (Poste Parisien). 3.15-Exchange. 3.45-Exchange.
PARIS (Poste Parisien). 3.15-Exchange. 3.45-Exchange.
PARIS (Poste Parisien). 3.15-Exchange. 3.45-Exchange.
PARIS (PTT), 3.0—Choral Records.
PRAGUE, 3.0—Jazz Symphony Or-chestra (contd. from 2.55)." 3.45-Taik: American Economic Re-covery. 3.55-For Children.
ROME, 3.30 — Chidren's Radio Review. 3.50-News; Exchange.
SOTTENS, 3.0-Readio Suisse Romande Orchestra. Conductor' Echenard. Part 1, Divertissement (Ibert). Suite of Chinese Melodies, Turandot (Arterberg). English Country Dances (Binet). Ballet Suite (Saties). 3.45-Chamber Music by Pupils of the Conserva-toire.

toire RENEWLY CONSIGNAL FRANKING VILLEN PL.O

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3 p.m. (contd.)

STRASBOURG, 3.0-Talk : Mont

- Saint-Michel. STUTTGART, 3.0—See Breslau. TURIN, 3.35—News: 3.45—For TURIN, 3.35—News: 3.45—For Children, 3.5—News: 3.10—Opera, Operetta and Sound Film Songs on Records, 3.55—Talk: Vienna Carnival Lore, WARSAW, 3.0—Polish Marches, 3.45—French.

4 p.m.

- BERLIN. 4.0—See 3.0 Leipzig. 4.30— Hans Claus Langer Concert. Station Orchestra. Conductor : The Com-poser. Steiner (Violin). Dance Suite. Violin and Orchestra : Variation Suite.
- REROMÜNSTER, 4.0 See 3.45 Sottens. BORDÉAUX-LAFAYETTE, 4.0—For

- BORDEAUX-LAFAYETTE, 4.0-For Children.
 BRESLAU, 4.0-Mozart Concert (contd. from 3.0). 4.30-For Farmers. 4.35-Talk: Max and Moritz. 4.55-Winter Relief Apreal.
 BRUSSELS (No. 1). 4.55-News.
 BUDAPEST, 4.0-For Farmers. 4.35 -Records.
 COLOGNE, 4.0-Dialect Reading. 4.10-See 3.0 Königsberg. 4.30-Talk by Albrecht Merz: The Trade School and Workshop Movement. 4.50-Extracts "Abschiedswalzer" (Chop:in-Melichar), on Records.
 DEUTSCHLANDSENDER, 4.0-Concert (contd. from 3.0). 4.30-Talk : Old Tap Rooms and Inns. 4.50-"Golden Wine !"-Drinking Songs on Records.
 FIRANKFURT, 4.0-Concert from the Kurhaus, Wiesbaden (contd. from 3.0).

Kurhaus, Wiesbaden (contd. from 3.0).
HAMBURG, 4.0—Sce 3.0 Leipzig, 4.30—Talk, 4.45 — Report (on Records) from a Hitler Youth Reading Room.
HILVERSUM, 4.0—For Hospitals. 4.10—Records. 4.25—"Sans Famille "—Play for Children, after the Novel by Matot.
HUIZEN, 4.0—Baritone and Organ (contd. from 3.40). 4.40—Hand-work for Children.
KALUNDBORG, -4.0—For Boys (contd. from 3.45). 4.30—Ex-change : 4.42—A Poem. 4.45— Talk : Are we modern ?
KÖNIGSBERG, 4.0—Orchestra

Talk : Are we modern ? &ÖNIGSBERG, 4.0 — Orchestra (contd, from 3.0). In the Interval : Topical Report. 4:30—Report from a Church in the Elbing Valley. LAHTI, 4.50—News in Finnish. LEIPZIG, 4.0 — "Hundreds and Thousands "—Variety (contd. from 3.0). 4:30—Lyrics. 4:50—Exchange. MONTE CENERI, 4.0—See 3.45 Sottens.

Sottens.

Sottens. MORAVSKÅ-OSTRAVA, 4.40 – Local News. 4.45–Talk. 4.55– German Transmission : Schubert Songs, with Introductory Talk.

Songs, with Introductory Talk. MUNICH, 4.0—Orchestra (cont. from 3.0). 4.30—Talk : Astronomy, 4.50—Rosl Schmid (Pianoforte), Fantasia in C minor (Bach). Sonata in E minor (Peters). OSLO, 4.0—Symphony (Haydn) on Records. 4.25—Records. PARIS (Poste Parisien), 4.50—Ex-change.

change. PARIS (PTT), 4.0-Mozart Records.

PARIS (PTT), 4.0—Mozart Records. 4.30—Classical Records. PARIS (Radio-Paris), 4.0—Exchange. PRAGUE, 4.0—For Children, 4.20— Organ Recital, 4.40—Records. 4.45—Markets, 4.55—German Transmission: "A Séance"— Comedy (Hahn); For Farmers; Talk. Talk

Talk. RADIO-NORMANDIE, 4.0—Dance Music. 4.30—For Children. 4.45—

RADIO-NORMANDIE, 4.0-Dance Music, 4.30-For Children, 4.45-Dance Music.
 ROME, 4.0-Vocal and Instrumental. 4.55-Weather.
 SOTTENS, 4.0-Chamber Music (contd. from 3.45). 4.15-Light Music, Radio-Suisse Romande Orchestra. Conductor: Echenard.
 STOCKHOLM, 4.5-Service. 4.30-For Children. 4.45-Records.
 STUTTGART, 4.0-See 3.0 Breslau, 4.30-Symphonic Etudes (Schu-mann) by Günther Homann (Piano-forte).

mann) by Günther Homann (Plano-forte). TURIN, 4.0—For Children. 4.10— Songs. 4.55—Weather. VIENNA, 4.5—Talk : The State Goods Depot. 4.20—Emmy Zopf (Planolorte). Picces (Brahms) : (a) Rhapsody in B flat minor, (b) Inter-mezzo in B flat minor, (c) Cap-priccio in C sharp minor. Pieces (Chopin) : (a) Prelude in C minor, (b) Prelude in B, (d) Prelude in D, (e) Scherzo in B flat minor. 4.50— Technical Talk.

WORLD-RADIO

view. 5.15-Markets ; For Farmers. 5.55—Announcements. LAHTI, 5.10—News in Swedish. 5.15—Talk. 5.40—Trio (Beet-

LEIPZIG, 5.0-Talk, 5.10-Talk : German Cavalry Generals, 5.30-Regimental Marches of the Old Army (on Records).

Army (on Records). LYONS (La Doua), 5.0—Chamber Music. Conductor: Witkowski. Mme. Pellier-Lefort (Songs), Marthe Pourret (Pianoforte) and Lazerme (Violin). Trio (Chopin). Song (Haydn). Piece (Mozart). Arioso (Vivaldi-Kreisler). Rondo (Mozart). Faschingsschwank aus Wien (Schu-mann). Three Lieder (Schumann). Sicilienne (Paradies). Spanish Serenade (Glazunov). L'àne blanc (Huë). Peasant's Lullaby (Muss-orgsky). Murciana (Nin). Habañera (Lalo). Ronde des lutins (Bazzini). MORAVSKÁ-OSTRAVA, 5.30—

(Lalo). Konde des lutins (Bazzini). MORAVSKÅ-OSTRAVA, 5.30--Choir : Yugoslav Music. MOSCOW (No. 1), 5.0--Concert. 5.30--"Tchapaev"---Radio Poem (Fourmanov).

(Fourmanov). MUNICH. 5.0.—Pianoforte (contd. from 4.50). 5.30—Science Talk : The Origin of Life. 5.50—Time ; Weather ; For Farmers.

Orchestra. 6.50-Dialogue : Albert

BORDEAUX-LAFAYETTE, 6.0-For

Children, 6.30-News. BRATISLAVA, 6.30-Military Band and Choir, from Trencin. Con-ductor ; Margold. Regimental March (Motal). Talk. Slovak Folk Songs (arr. Maly). Poem (Chalupka). Trencin Soldiers' Songs. Talk. Cigány Melodies. Accordion Solos. March (Margold).

BRESLAU, 6.0—Report by a Member of the Nanga Parbat Expedition. 6.20—Talk : Radio Interference, 6.40—See Berlin.

BRNO. 6.30-Records. 6.45-Read-

ing. BRUSSELS (No. 1), 6.0—Talk: Delicate Children. 6.15—Records. Accordion Solos; Folk Music; Verdi Opera Music. BRUSSELS (No. 2), 6.0—Programme for Children. 6.30—Missionary Talk

Talk. BUDAPEST, 6.0—Orchestra (contd. from 5.40). COLOGNE, 6.0—Chamber Music. 6.30—Records. 6.50—Snapshots. DEUTSCHLANDSENDER, 6.0— "Into the Blue"—A Musical Trip round Europe (on Records).

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FRANKFURT, 6.0 — Hauck Dance Band with Margot Saldern (Re-frains). 6.45 — Topical Report;

frains). 6.45 – Topical Report; News. HAMBURG, 6.0 – "Die Gesch-wister" – Play (Goethe). 6.25 – Grieg Songs by Karl-Oskar Dittmer (Baritone). Beim Sonnenuntergang. Herbststurm, Ein Schwan. Mit einer Primula veris. Dein Rat ist wohl gut. 6.40–See Berlin. HILVERSUM, 6.0–Octet (contd. from 5.10). 6.10–Sports Talk. 6.40–Tino Rossi (Tenor) on Records. HUIZEN, 6.0–Records. 6.40–Police Messages. 6.55–Records. KALUNDBORG, 6.0–News. 6.15– Political Review. 6.45 – Talk : Place-Names.

LAH II, 6.0—I Tro (Beethoven) (cond. from 5.40). 6.15—Elsa: Frilander (Songs). 6.40—Readings (Tchekov). LEIPZIG, 6.0—Regimental Marches of the Old Army (on Records). 6.15—"Peasoup"—Scenes of Ar-tist Life (Roth). 6.45—Winter Sports Report

MONTE CENERI, 6.15 – Talk : Young Children, 6.30–Mandoline Records, 6.45–News, LAHTI, 6.0–Report, 6.35–Dance

Music. LYONS (La Doua), 6.0—Chamber Music (contd. from 5.0). 6.30—

News. MOSCOW (No. 1), 6.0—" Tchapaev" —Radio Poem (contd. from 5.30). MUNICH, 6.0—Dresden String Quar-tet. String Quartet in D minor (von Fielitz). String Quartet in D (Beethoven). OSLO, 6.0—Announcements. 6.15— News. 6.30—Time. 6.31—Popular Music.

Music. PARIS (Poste Parisien), 6.25—Ex-change. 6.30—For Children. PARIS (PTT), 6.0—Art Notes. 6.30—

 Iournament.

 BEROMÜNSTER, 6.0—Time ; Weather ; Traffic Report.

 ther ; Traffic Report.

 6.5—Talk :

 The Work of the League of Nations.

 6.15—Bach Concert by the Radio

PARIS (Poste Parisien), 6.25—Exchange. 6.30—For Children.
PARIS (Parise Parise), 6.0—Year Parise Parise

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à bonnes fortunes "-Comedy (Baron) (contd. from 5.0).
PRAGUE, 6.0-News. 6.10-Records. 6.15-Russian. 6.30-The Prague Wind Quintet. Overture, "Orpheus in the Underworld" (Offenbach). Three Polkas (Pacak). Overture, "The Gipsy Baron" (Strauss). Polka (Smetacek).
RADIO-NORMANDIE, 6.0-Light Music. 6.50-Local News.
ROME, 6.0-Tourist Talk; Dopolavor Announcements. 6.15-News in Foreign Languages.
SOTTENS, 6.0-Duet for Violin and Viola (Mozart) by Neufeld and Cherechewsky. 6.15-Talk: Music and Wireless. 6.40-Review. 6.59-Weather.

Weather

STOCKHOLM, 6.0-English. 6.15-News. 6.30-Cabaret. STRASBOURG, 6.0-Records. 6.15-History Talk. 6.30-Records.

STRASBOURG, 6.0-Records. 6.15-History Talk. 6.30-Records. 6.15-History Talk. 6.30-Records.
STUTTGART, 6.0-"The Children's Ball"-Carnival Programme ar-ranged by Else Holle-Hellnund. 6.45-Russian Folk Songs on Musical Glasses, by Bruno Hoff-mann. Stenka Rasin. Ah, who so beautiful. Parting. Song. Cos-sack Cradle Song. The Red Sara-fan. Volga Boat Song, Burlaki.
TOULOUSE (Radio-Toulouse), 6.0-News. 6.15 - Orchestra. The Crown Diamonds (Barbieri). Entr'acte, "La vida breve" (Falla). Fête au harem (Prichystal). In a Chinese Temple Garden (Ketelbey). Extract, "Mother Goose (Ravel). 6.30-For Children.
TURIN, 6.0-Tourist Talk ; Dopo-

7 p.m.

ATHLONE, 7.0–French, 7.15– Gardening Talk, by G. O. Sherrard, 7.30–Time, 7.31–Variety, by John MacDonagh and Company, with the Station Orchestra.

BARCELONA, 7.0-Records ; News;

BARI, 7.10—Records; News, Exchange.
 BARI, 7.10—For Greece: An-nouncements; Music.
 BERLIN, 7.0—News. 7.10 — "Green Week Guests at the Ball "— Light Music and Dance Music from the Clou Concert Hall. Augmented Station Orchestra, Conductor : Heinrich Steiner, Hilden-Arnoldt Orchestra. Soloist.
 DEROMUNSTER. 7.0—Dialogue

Orchestra. Soloists. BEROMÜNSTER, 7.0-Dialogu³ (contd. from 6.50). 7.30-Suite in G (Hans Huber), by Leny Reitz (Violin) and Eduard Elirsam (Pianoforte). BORDEAUX-LAFAYETTE, 7.45-

(Pianoforte).
BORDEAUX-LAFAYETTE, 7.45— Talk: Casinos.
BRATISLAVA, 7.0—Band and Choir (contd. from 6.30). 7.30— Dramatic Programme. 7.50— Fischer (Violin). Spanish Dance (Granados-Kreisler). Liebesleid (Kreisler). Cipsy Serenade (Val-dez). Gipsy Dances (Nachez).
BRESLAU, 7.0 — Announcements. 7.10 — "Nurse Berta" — Se-quence about District Visiting (Mayer-Knoop).
BRUSSELS (No. 1), 7.0—Records (cond. from 6.15). 7.15—Labour Exchange. 7.30—Talk on Art ; Talk for Women.
BRUSSELS (No. 2), 7.0—Missionary Talk. 7.15—Religious Address. 7.30—Tourist Report.
BUDAPEST, 7.0—Talk. 7.35— News.
COLOGNE. 7.0—News. 7.10—

BUDAPESI, 7.0—1aik. 7.33— News.
COLOGNE, 7.0—News. 7.10— Station Orchestra. Conductor: Eysoldt. Melitta Wittenbecher (Soprano). Overture to a Revue (Lincke). Polka (Waldteufel), Intermezzo, The Matador (Bonn). Songs (Stol2): (a) Heute besuch dich das Glück, (b) You, just you, "Wild Violets." Rose-Marie (Blume). Träume der Nacht (Schmalstich). Selection, "The Bird Fancier" (Zeller).
DEUTSCHLANDSENDER, 7.0— Motto ; Announcements. 7.10—

7.0-

DEUTSCHLANDSENDER, 7.0-Motto ; Announcements, 7.10-"The Aviator" - Ballad (Hagen), with Music by Gronostay, 7.50-Dance Music from New York. FRANKFURT, 7.0-News, 7.10-Symphony, No. 3, D flat (Büttner), Station Orchestra. Conductor Frickhoeffer,

A scene from Mascagni's opera "Nero," which many stations are relaying from Turin this evening BRUSSELS (No.1), 5.0-Radio Orches-tra. Conductor : Gason. Petite Suite (Akimenko). Suite d'airs de Char-leroi (Wangermée). Four Violins : Papillons (Rogister). Suite No. 2, "L'Arlésienne" (Bizet). S.30-For Children

WARSAW, 4.0—"The Bridge of Lies"—Prize Radio Play (Aurn-heimer). 4.50—Letter-Box,

5 p.m.

BARI, 5.40—For Greece: Italian Lesson.
BERLIN, 5.0—Announcements. 5.5
—Songs and Poems for Young People. 5.30—Talk: German In-dustry. 5.40—Report: Automatic Telephone Manufacture.
BEROMÜNSTER, 5.0—Records: Spanish and Argentine Music. 5.30
—Heinrich Stülling reads.
BORDEAUX - LAFAYETTE, 5.0— For Children.

BORDEAUX - LAFAYETTE, 5.0-For Children. BRATISLAVA, 5.0-Hungarian Transmission: For Wonen, 5:45-Talk: Slovak Industry, Piri Par-ányi (Soprano). Talk: Economics. BRESLAU, 5.0-Talk: The German Conscience. 5:20-Suite in D (Hasse), Magda Türk (Violin) and Hanna Horn (Pianoforte). 5:50-Announcements; Weather. BRNO, 5:20-Records. 5:30-Theatre and Film Review. 5:50-Local News; For Housewives.

BARL.

5.40-For Greece : Italian

For Children. BRUSSELS (No. 2), 5.0—Van Bou-wet (Organ). 5.45—Programme for

wet (Organ). 5.45-Programme for Children. BUDAPEST, 5.0-Records. 5.10-English Lesson. 5.40-Opera House Orchestra. Conductor : Fridl. Extracts, "The Caliph of Bagdad" (Boïeldieu). Selection. "Der Frei-schütz" (Weber). Ballet Music, "Aida" (Verdi). Overture, "Gipsy Love" (Lehár). Potpourri, "Herbst manöver" (Kálmán). Waltz, "Der Bettelstudent" (Millöcker). March (Lányi).

(Lányi). COLOGNE, 5.0—A February Calen-dar. 5.35—New German Verse. 5.45—Weather; Exchange; Sports

5.45—Weather; Exchange; Sports Notes. DEUTSCHLANDSENDER, 5.0— Records. 5.10—Discussion on Records: Ski-ing. 5.30—Talk: Gottfried Keller's, Fähnlein der sieben Aufrechten, as a Novel, a Radio Play and a Film. FRANKFURT, 5.0—Talk: Ernst von Wildenbruch. 5.20—Talk. 5.35 —Grammar Catechism. 5.45— Exchange; Announcements. 5.50— Hauck Band. With Margot Saldern (Refrains).

Hauck Band. With Margot Saldern (Refrains). HAMBURG, 5.0—For Farmers. 5.25 —War Reminiscences. 5.45—Ex-change ; Shipping. HILVERSUM, 5.0—"Sans Famille" (Malat) (contd. from 4.25). 5.10— Louis Schmidt. Wireless Octet. Boris Lensky (Violin). HUIZEN, 5.0—Handwork for Chil-dren. 5.10—Biele ('Cello). Sonata (Eccles). Records. Berceuse (Ravel). La Habanera (Ravel), Poem (Jongen). Waltz (Jongen). 5.55—Records.

5.55-Records. KALUNDBORG, 5.0-Talk (contd. from 4.45). 5.15-English. 5.45-Announcements.

KÖNIGSBERG, 5.0-Political Re-

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PARIS (PTT), 5.0—Classical Records. 5.30—Esperanto. PARIS (Radio-Paris), 5.0—" L'homme à bonnes fortunes "—Comedy in Five Acts (Baron). PRAGUE. 5.55—News. RADIO - NORMANDIE, 5.0—Dance Music. 5.15—Records. 5.45— Cinema Organ. ROME. 5.0—Markets. SOTTENS, 5.0—Talk : Coolking. 5.20 —Fashion Hints. 5.30—Bridge. 5.45—Talk.

STOCKHOLM, 5.0—Records. 5.45

 STUCKHULM, 5.0—Records. 5.43 —English.
 STRASBOURG, 5.0—Contemporary Austrian Poems. 5.30—Records.
 5.45—Talk : Alsace and Lorraine in French Literature, 1870-1914.
 STUTTGART, 5.0—Spanish Lesson.
 5.15—Talk. 5.30—Dance Records.
 5.45—Frau Stüber's Accounts.
 TURIN, 5.0–5.10—For Farmers.
 YIENNA, 5.5—Talk : Advertising.
 5.25—Theatre Review, 5.30—Talk.
 5.47—Art Notes.
 WARSAW, 5.0—For Farmers. 5.15— Viennese Records. 5.45—Book Review. KALUNDBORG,
Political Review,
6.95Place-Names.
KÖNIGSBERG,
6.0-- Songs by Young ments.
6.10--Songs by Young People.
Conductor: Neubert.
6.40--See Berlin.
LAHTI, 6.0--Trio (Beethoven) (contd.
LAHTI, 6.0--Trio (Beethoven) (contd.
from 5.40).
6.15--Elsa Frilander form 5.40.
Readings (Tchekov).
Marches

Review.

6 p.m.

ATHLONE, 6.0-For Children. 6.45 ALTLUNE, 0.0—For Children. 6.45
 Dews.
 BARCELONA. 6.0—Records.
 BARRI, 6.15—Weather; News in Foreign Languages.
 BERLIN, 6.0—Alida Hecker (Pianoforte; Gustav Scheck (Flute) and Oskar Rotherstein (Bassoon). Flute and Pianoforte: Sonata in G (Haydn). Bassoon and Pianoforte: Suite Concertante in F (Wolf-Ferrari). 6.40—Commentary on the Sixth International Riding Tournament.
 BEROMÜNSTER. 6.0—Time: Weather State State

7 p.m. (contd.)

Dancing . . !" Station Dance Band and Soloists. Conductor : Bolt.
HILVERSUM, 7.0—Tino Rossi (Tenor) on Records. 7.10—English Lesson. 7.40—Time, 7.41—News. 7.45—Records. 7.55—Concertgebouw Orchestra, from the Concertgebouw, Amsterdam, and Béla Bartok in a Pianoforte Recital of his own Music from the Studio. Conductor : Eduard van Beinum. Annie Woud (Contratio). Introduction, "Parsilal"
(Wagner). Hymn to Night (Diepenbrock). Béla Bartok Pianoforte Recital by the Composer. Ballad. Old Dances. Allegro barbaro, Abend am Sande. 'Bear's Dance. Romanian Dance No. 1. Concert-gebouw Orchesta: Symphoay No. 8 in C minor (Bruckner).
HUIZEN, 7.0—Records. 7.10—Press Review. 7.40—News. 7.45—"Asaf." Male Voice Choir, from Leerdam. Conductor : Atkerman. JUAN-LES-PINS (Radio Côte d'Azur), 7.15—Light Music. 7.40
Press Review. 7.50—Science Notes.
KALUNDBORG, 7.0— Talk (contd.)

a Azinj, Aris - Ligni Music. Allo, Allo

Light Music on Records. Light Music on Records. Light Music on Records. LAHTI, 7.0-Talk. 7.15-Variety. 7.45-Newsin Finnish. LEIPZIG, 7.0-News. 7.10-See

Hamburg. LYONS (La Doua). 7.30 — Local News and Topical Talk. 7.50— Travel Talk. MONTE CENERI, 7.0—Station Or-

IONTE CENERI, 7.0—Station Or-chestra. Conductor : Leopoldo Casella. Overture, "Don Giovanni " (Mozart). Suite pastorale (Atterberg). Forest Murrurs. "Sigefried "(Wag-ner). Rustic Sketches for Small Orchestra (Sonzogno). Extracts, "L'enfant prodigue" (Debussy). Bacchanal, "Samson and Delilah " (Saint-Sañc). (Saint-Saëns). MORAVSKA-OSTRAVA, 7.0 -

MORAVSKÁ-OSTRAVA, 7.0 – Station Orchestra. MOSCOW (No. 1), 7.0 – "The Stone Guest"–Play, in Verse (after Pushkin). MUNICH, 7.0–News. 7.10–Light Music, on Records. 7.30–"A Ballad of Whisky and Gin"–Play (Kuhnert), Music by Kusche (Con-ductor).

Ballad of Whisky and Gin " — Play (Kuhnert), Music by Kusche (Con-ductor).
OSLO, 7.0 — Economics Tulk. 7.30— Talk; Reading.
PARIS (Poste Parisien), 7.4— Record. 7.7—Sports Notes. 7.10 —News. 7.25—Amuscment Guide.
7.28—Operetta Music.
PARIS (PTI); 7.30—Taik. 7.45— Hygiene Talk. 7.53—Talk: The Colonies.
PARIS (Radio-Paris), 7.0 — Wea-ther; For Farmers; Exchange; Racing. 7.20—German News. 7.30 —Topical Talk.
PRAGUE, 7.0—Introductory Talk. 7.3—The Czech Philharmonic Or-chestra, from the Smetana Hall. Conductor: Ancerl. Overture, "Iphigenia in Aulis" (Gluck).
First performance, "The Curse of Life," Symphonic Fantasy (Haba).
7.50—A Talk by Dr. Englis Governor of the National Bank. RADIO-NORMANDIE, 7.0 — Light Music.
ROME, 7.0—Sports Notes. 7.10—

RADIO-NORMANDIE, 7.0 — Light Music.
 ROME, 7.0 — Sports Notes. 7.10— Records. 7.30—News.
 SOTTENS, 7.0—Patriotic Songs, with Introductory Talk. 7.25—Music Talk: The Evolution of the Sym-phony—Mozart.
 STOCKHOLM, 7.0—Literary Talk : Birger, Sjöberg. 7.30—Music for Old Instruments, Björk (Quinton), Norrby (Viola da gamba) and Ingrid Kjellström (Harpsichord). Trio Sonata in A minor (Buxtehude).
 Sonata in G (Lotti).
 STRASBOURG, 7.0—Records, 7.30

Sonata in G (Lotti). STRASBOURG, 7.0—Records, 7.30 —News; Lottery Results. 7.45— Records. STUTTGART, 7.0 — News. 7.15— Pianoforte Concerto in B flat (Brahms), from Baden-Baden. Kempf and the Baden-Baden. Kurhans Orchestra. Conductor: Albert.

Albert. **TOULOUSE** (Radio-Toulouse), 7.0— For Children. 7.10—Operetta Music, 7.30—News; Exchange, 7.45—Ensemble Music, 7.50— 7.45-Ens A Revue

TURIN, 7.0-News; Records. 7.30 News; Government Notes. 7.45

News; Government Notes. Accords. —Records. VIENNA, 7.0.—' 1925-1929.''—Revue (contd. from 6.45). 7.45—Variety. WARSAW, 7.5—Station Orchestra. Conductor : Nawrot. Suite, Le jardin du paradis (Silver). Selec-tion, "Where the Lark Sings" (Lehár). 7.45—News. 7.55—Talk : Work in Poland.

8 p.m.

B p.M.
ATHLONE, 8.0—Variety (contd. from 7.30). 8.30—A. L. Carew ('Cello).
8.45—Michael Noone (Baritone).
BARCELONA, 8.0—Sports Notes; Records. 8.30—News; Book Review; Records. 8.55—Exchange.
BERLIN, 8.0—'Green Week Guests at the Ball "(contd. from 7.10).
BEROMÜNSTER, 8.0—News: 8.10—Lehar Concert. Radio Orchestra. Conductor: Neppach. Hanns van Loewen (Tenor) and Marguerite Michels-Kirchofer (Pianoforte).
BORDEAUX-LAFAYETTE, 8.0—Tak on Wines. 8.13—News; Exchange; Lottery Results; Weather; Request Records. 8.30—See Paris (PTT).
BRATISLAVA, 8.0—Viplin (contd. from 7.0), 8.15—Medical Talk.
BRESLAU, 8.0—See 7.10 Berlin.

BRESLAU, 8.0-See 7.10 Berlin. BRNO, 8.5-Popular Music of Many Nations-Records.

BRNO, 8.5—Popular Music of Many Nations—Records.
BRUSSELS (No. 1), 8.0—Radio Orchestra. Conductor: Gason. Toleido (Grillaert). Ballet. "The Arabian Nights" (Bortkiewicz).
Waltz (Faulx): Hungarian Rhap-sody No. 12 (Liszt). Suite No. 1 (de Micheli). Selection, "Les Indes ualantes" (Rameau). Tango, Spanish Eyes (Kester). The Old Man of the Mountains (Brown).
BRUSSELS (No. 2), 8.0—Lyric Suite, La Mer (Gilson) by a Sym-phoay Orchestra. 8.45—Roman Catholic Notes.
BUDAPEST, 8.0—See Turin.
COLOGNE, 8.0—Orchestra (contd. from 7.10). 8:10—Symphony in C minor (Brahms). Station Orchestra. Conductor: Buschkötter.
DEUTSCHLANDSENDER. 8.0—

Conductor : Buschkötter. DEUTSCHLANDSENDER. 8.0 – Dance Music from New York. FRANKFURT, 8.0 – Report by Paul Laven : Potash. 8.30 – Folk Music

on Records. HAMBURG, 8.0--" Dancing. . . !"

HAMBURG, 8.0—"Dancing. . . 12 (contd from 7.10).
 HILVERSUM, 8.0—Concertgebouw Orchestra (contd. from 7.55).
 HUIZEN, 8.0—Choir (contd. from 7.45). In the Interval: Records. 8.40—For Parents.
 JUAN-LES-PINS(Radio Côte d'Azur), 9.0 Nouve 8.15. Talk. Spiritius

JUAN-LES-PINS(Radio Côte d'Azur), 8.0-News. 8.15-Talk : Spiritu-alism. 8.45-Operetta Music. Selection, "Le Petit Duc" (Le-cocq). "Les Dragons de Villars" (Maillart). Song (Hérold).
 KALUNDBORG, 8.0-Wagner Con-cert (contd. from 7.10).
 KÖNIGSBERG, 8.0-"The Bach Family "--Musical Sequence (Borr-mann). Station Choir. Conductor : Firchow.

Firchow. LAHTI, 8.0—News in Swedish.

LEIPZIG, 8.0—See 7.10 Hamburg. LYONS (La Doua), 8.0—Talk : Art. 8.10—Mountaineering Notes. 8.20

8.10—Mountaineering Notes. 8.20 —Film Notes. MADRID (EAJ7), 8.15—News. 8.30 —Antonio Truyols (Baritone). MONTE CENERI, 8.0—Talk : Archi-tecture as a Profession. 8.15— Concert Version, "I Pagliacci" (Leoncavallo) on Records. MOSCOW, (A)c.) 8.0—German

MOSCOW (No. 1), 8.0—German Programme : Pioneers. MUNICH, 8.0—Play (contd. from 7 30)

OSLO, 8.0-See Turin. In the

OSLO, 8.0--See Infini. In the Intervals: News.
 PARIS (Poste Parisien), 8.0--Gringoire in his Repertoire. 8.15--Records.
 8.30--Interlude. 8.45---'La arciole'' --Operetta in Three Acts (Offen-bach), from the Théàtre de Marigny.

PARIS (PTT), 8.0—Announcements 8.10—Jacques-Dalcroze Records 8.30—Variety. Records

 8.30—Variety.
 PARIS (Radio-Paris), 8.0—Reading : La Fontaine (Taine).
 8.30—News.
 8.45—National Orchestra. Con-ductor : Inghelbrecht. Lify Laskine (Harp) and Marcel Moyse (Flute).
 Symphony (Chausson). Flute and Harp Concerto (Mozart). Boc-cacerie (Delvincourt), Iberia (De-turno). husevi

bussy). PRAGUE, 8.5—Pianoforte Recital of Chilean Music by Rosita Renard. Andante appassionato (Soro). Three Tonados (Allende). Three Preludes (Leng). Two Pieces (Domingo Santa Cruz). 8.30—Popular Mexican and South American Folk Songs. RADIO-NORMANDIE, 8.0-Chansonnettes. 8.15—Humorous Pro-gramme. 8.30—Choir. REYKJAVIK; 8.0—Light Music. 8.10 —Weather. 8.20—Light Music.

REYNJAVIK; 8.0—Light Music, 8.10 —Weather, 8.20—Light Music, 8.50—Announcements, ROME, 8.0—See Turin, In the Intervals: Literary and Art Notes; Recitations, 8.0—News, 8.15— Extract, "Lieschen and Fritzchen" —Operetta (Offenbach), 8.45— Request Programme

Request Programme. STOCKHOLM, 8.0-See Turin. In

the Interval : News. STRASBOURG, 8.0-News in Ger-

Press Review in German. 8.15— Press Review in German. 8.30— Pianoforie Concerto (Moreau), by Madeleine La Candela and the Station Orchestra. Conductor : de

STUTTGART, 8.0—" Love on Skis" —Play (Schwerla). 8.45—Short-

hand. TOULOUSE (Radio-Toulouse), 8.0— A Revue (contd. from 7.50). 8.15— Humorous Items (on Records). 8.30—Sound Film Music. TURIN, 8.0—" Nero"—Opera (Mas-cagni) from the Scala, Milan. In the Intervals : Talk and Art Notes. VIENNA, 8.0—See Turin. In the Interval : News.

VIENNA, 8:0-3cc Interval : News. WARSAW, 8:0-Station Symphony Orchestra. Conductor : Oziminski. Mme. Ronska (Mezzo-Soprano) and Luczaj (Bass). Suite, Scènes Luczaj (Bass). Suite, Scènes

Mme. Ronska (Mezzo-Soprano) and Luczaj (Bass). Suite, Scènes alsaciennes (Massenet). Mezzo-Soprano Aria, "La Favorita" (Donizetti). Bass Aria, "Figaro" (Mozart). Variations from the String Quartet (Beethoven). Duet, "La Gioconda" (Ponchielii). Prayer and Temple Dance, "Olav Trygvason" (Grieg). 8.45—Talk.

. 9 p.m.

- ATHLONF, 9.0--Irish Music, by the Station Orchestra. 9.15--Songs in Irish, by Nelly Walsh. 9.30--John Hynes (Traditional Fiddle). 9.45--1. Hyland (Accordion).
 BARCELONA, 9.0 Chimes; Weather. 9.5--Announcements. 9.10--Opera from the Grain Teatro def Liceo.
 BERLIN, 9.0-News; Sports Notes. 9.20--See Munich. 9.35--"Green Week Guests at the BRIL' (cond. from 7.10).
 BERDAMUNSTER 9.0-Review for

BEROMÜNSTER, 9.0-Review for Swiss Nationals Abroad.

Swiss Nationals Abroad. BORDEAUX-LAFAYETTE, 9.0—See Paris (PTT). BRATISLAVA, 9.15—News in Hun-

BRESLAU, 9.0-News; Sports Notes. 9.20-See Munich. 9.35-See 7.10

9.20-See Munich. 9.35-See 7.10 Berlin. BRUSSELS (No. 1), 9.0-Talk. 9.15 -Ballet Suite, "Ascanio" (Saint-Sačns) by the Radio Orchestra, Conductor: Gason. In the Interval : "Renaudins" Programme. BRUSSELS (No. 2), 9.0-Symphony Orchestra. Le chasseur maudi (César Franck). La sauge fleuric (d'Indy). Danses nobles et senti-mentales (Ravel). Ronde burlesque (Florent Schmitt). 9.50-The An-gelus.

Time ; News ; Weather, 10.40– Records.
BARCELONA, 10.0–News. 10.15– Opera (contd. from 9.10).
BERLIN, 10.0–"Green Week Guests at the Ball " (contd. from 7.10).
BORDEAUX - LAFAYETTE, 10.0– See 9.30 Paris (PTT). 10.30 (app-rox.)–Amusement Guide.
BRESLAU, 10.0–See 7.10 Berlin.
BRUSSELS (No. 2), 10.0–News. 10.10–Request Records.
BRUSSELS (No. 2), 10.0–News. 10.10–Records. Selection, "The Good-humoured Ladies" (Scar-latit). Aria, "Arabella" (Strauss).
Wäldteufel. Potpourri (art. Finck). Selection, "Die Dreigroschenoper" (Weill). Chromatic March (Court-ade).

(Florent Schmitt). 9.30-The Angelus.
BUDAPEST, 9.0-See 8.0 Turin.
COLOGNE, 9.0 - News. 9.20 - Weekly Review. 9.30-"Let's Forget To-morrow !"--Serenade.
Station Chamber Orchestra. Conductor: Hagestedt. "The Six Merry Singers," and Schmitz (Pianoforte).
DEUTSCHLANDESNDER, 9.0-News; Sports Notes; Art Review. 9.45-Weather.
FRANKFURT, 9.0-News; Sports Notes. 9.20-See Munich. 9.35-Chamber Music. Lenzewski (Vio-Iin); Seufert (Pianoforte). Sonata in G (Havdn). Sonata in E minor (Mozart).

- Mozart).
 HAMBURG, 9.0—News. 9.20—See Munich. 9.35—Light Music.
 HLVERSUM, 9.0—Concertgebouw Orchestra and Béla Bartok (Piano-forte) (contd. from 7.55).
 HUIZEN, 9.0—For Parents. 9.10— Jan Zwart (Organ). In the Interval : News

DEUTSCHLANDSENDER, 10.0-See Hamburg. FRANKFURT, 10:0-January Pro-granme Review. HAMBURG, 10.0-Kiel Orchestra. Conductor: Döring. Overture, "Der Bettelstudent" (Millöcker). Selection, "Hamlet" (Thomas). Winterlandschaft (Lincke). Chro-matischer Galopp (Liszt). Dance Suite (Kochmann). Unser Vater-land (Niel). HILVERSUM, 10.10-Concertgebouw Orchestra (contd. from 7.55).

JUAN-LES-PINS (Radio Côte d'Azur), 9.0-News. 9.15-Musical and Literary Programme.
KALUNDBORG, 9.0-Wagner Con-cert (contd. from 7.10), 9.15-News. 9.30-Talk: The Last Day of January. 9.50-Kilden Dance Band.
KÖNIGSBERG, 9.0-News. 9.20-See Munich, 9.35-Börschel Dance Rand.

LEIPZIG, 9.0—News ; Sports Notes.

LEIPZIG, 9.0-News; Sports Notes. 9.30-See Cologne. MADRID (EAJ7), 9.0-Sevilla Or-chestra. Gerona (Lope). Dance (Granados). Fantastic Dance, Orgia (Turina). Aragon (Albéniz). Selection, "El nino de Jerez" (Zabala). Torre Bermeja (Albéniz)' Sevilla (Albéniz). Interlude, "La

boda de Luis Alonso" (Gimenez). MONTE CENERI, 9.0-9.20-Anec-

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THURSDAY Jan. 31

KÖNIGSBERG, 10.0 - Börschel,

Talk : The Soviet Congress. MUNICH, 10.0—The Rising Genera-tion in Music and Literature. 10.30—See 10.0 Königsberg. OSLO, 10.0—See 8.0 Turin.

PARIS (Poste Parisien), 10,0—" La créole "—Operetta (Olienbach) (contd. from 8,45). Contd. from 8.45). PARIS (PTT), 10.0—" The French Song"—Orchestra Sequence (contd.

PARIS (Radio-Paris), 10.0.—National-Orchestra (contd. from 8.45), 10.30 —Dance Music. Goldy Band. RADIO - NORMANDIE, 10.0—Gala Concert (contd. from 9.0). REYKJAVIK, 10.0—Light. ic Station Orchestra ; Icelandic Song-Records ; Dance Music. ROME, 10.0—Sce 8.0 Turin. STRASBOURG,10.0—Sce 8.0 Turin. STRASBOURG,10.0—Orchestra from the Café de l'Odéon. Conductor :

STRASBOURG, 10.0—Orchestra from the Café de l'Odéon. Conductor : Théodore. The Blue Danube (Strauss). Overture. "Egmont" (Beethoven). A Wedding in Lilli-put (Translateur). Slav Rhapsody (Friedemann). Dance. Nocturne and March, "A Midsummer Night's Dream" (Mendelssohn). Waltz (Krome).

TOULOUSE (Radio-Toulouse), 10.0-"Carmen" (Bizet) (contd. from

9.10). TURIN, 10.0—" Nero "—Opera (Mascagni) (contd. from 8.0). VIENNA, 10.0—See 8.0 Turin. WARSAW, 10.5—Dance Music.

11 p.m.

BARCELONA, 11.0-Opera (contd.

FRANKFURT, 11.0—Serenade on Records, Modern Music; Famous Love Scenes.

HAMBURG, 11.0-Concert Version,

"Orpheus and Eurydice"—Opera (Glück), by the State Philharmonic Orchestra (on Records). Conductor: Swarowsky. Choir Master : Thurn, with Lisa Jungkind, Frey and Erna Helbeck.

HEIDECK. HILVERSUM, 11.0-11.40—Kovacs Lejos Orchestra. HUIZEN, 11.0—Records.

KALUNDBORG, 11.0-11.30-Chimes; Kilden Dance Band.

MADRID (EAJ7), 11.0—Dance Music. 11.45—News. PARIS (Poste Parisien), 11.0—"La créole" — Operetta (Offenbach) (contd. from 8.45).

PARIS (Radio-Paris), 11.0-Dance

PARIS (Radio-Paris), 11.0—Dance Music.
RADIO - NORMANDIE, 11.0— Records. 11.30—Concert.
REYKJAVIK, 11.0—Dance Music.
ROME, 11.0—News.
STRASBOURG, 11.0—Orchestra (contd. from 10.0).
STUTTGART, 11.0—See Frankfurt.
TOULOUSE (Radio-Toulouse), 11.0— "Carmen" (Bizet) (contd. from 9.10). 11.30—Songs. 11.50—Solos.
TURIN. 11.0—News.

9.10), 11.30—Songs, 11.30—Solos, TURIN, 11.0—News, VIENNA, 11.15—Dance Music by the Silvester Schieder Band from the Café Palmhof, Soloist : Roland Hlawac (Song Refrains).

12 midnight

BARCELONA, 12.0—News. FRANKFURT, 12.0—Screnade on Re-cords. Modern Music; Famous Love Scenes.

RADIO - NORMANDIE, 12.0— Dance Music. 12.30—Light Music. STUTTGART, 12.0—Sce Frankfurt.

TOULOUSE (Radio-Toulouse), 12.0-News, 12.5-"Au caveau de minuit" -Radio Fantasy, 12,15-12.30-Overture, "Rienzi" (Wagner).

1 a.m. (Friday)

RADIO-NORMANDIE, 1.0-News. 1.10-Dance Music.

BUDAPEST, 11.5-Poems.

Carmen 9 10)

from 9.10).

In

Song"-Orchestra Sequen from 9.30). PARIS (Radio-Paris). 10.0-

Banc LEIPZIG, 10.0-See 9.30 Cologne LEIPZIG, 10.0—See 9.30 Cologne. MADRID (EAJ7), 10.5—News. 10.15 —Station Sextet. MOSCOW (No. 1), 10.5—Spanish Talk : The Soviet Congress.

dotes. MOSCOW (No. 1), 9.5—French Talk : The Soviet Congress. MUNICH, 9.0—Time ; News ; Sports Notes. 9.20—Winter Sports Report from Garmisch-Partenkirchen. 9.35 —The Rising Generation in Music and Literature. OSLO, 9.0—See 8.0 Turin.

PARIS (Poste Parisien), 9.0---" Le Créole "-Operetta (Offenbach) (contd. from 8.45).

(contd. from 8.43). PARIS (PTT), 9.0—Variety. 9.30— "The French Song"—Orchestral Sequence. Conductor: Chobillon. PARIS (Radio-Paris), 9.0—National Orchestra (contd. from 8.45). In the Interval at 9.15: News; Sports Results; Fashion Review.

PRAGUE, 9.0-News. 9.15-Dance

PRAGUE, 9.0—News. 9.15—Dance Music.
RADIO-NORMANDIE, 9.0—Gala Concert, from the Salle des Fétes, Dieppe. Symphony Orchestra. Conductor : Lebion. Soloists : Jobin (Tenor) and Pouyer (Piano-forte). Overture, "Iphigenia in Aulis" (Gluck). Pianoforte and Orchestra : Wedding-Cake (Saint-Saëns). Songs (Messager, Schumann and Faure). Impressions d'Italie (Charpentier). Suite, Mascarade (Lacôme). Piano-forte : (a) Prelude (Debussy), (b) Barcarolle (Faure). C'Gnomen-reigen" (Liszt). Tenor. Songs. Norwegian Dances No. 3 and 4 (Grieg).
REYKJAVIK, 9:0—Time; News. 9.30

REYKJAVIK, 9:0-Time ; News. 9.30 ---Reading. ROME, 9.0---See 8.0 Turin

phone Solo. .55-News.

SOTTENS, 9.0-9.20—Talk : The Work of the League of Nations. STOCKHOLM, 9.0—See 8.0 Turin. STOCKHOLM, 9.0—See 8.0 Turin. STRASBOURG, 9.0—Station Orches-tra. Conductor: Roskam. Mile. Garell (Songs); Weber (Saxo-phone). Overture, "La belle Héléne" (Offenbach). Wiener-bonbons (Strauss). Songs. Selec-tion, "The Daughter of the Regi-ment" (Donizetti). Songs. Saxo-phone Solo. Potpourri (Dostal). 9.55—News.

STUTTGART, 9.0-News; Sports Notes, 9.20-See Munich, 9.35-See Königsberg.
 TOULOUSE (Radio-Toulouse), 9.0-

Operata Music. 9.0.0-"Carimen" —Opera in Four Acts (Bizet). TURN, 9.0-" Nero"—Opera (Mas-cagni) (contd. from 8.0). VIENNA, 9.0-See 8.0 Turin. In the Interval: News; Snow Report.

WARSAW, 9.0-Announcements, 9.15 —Dance Music by the Kwiecinski Band from the Oaza. 9.45—Talk in Esperanto : The Black Diamonds of Upper Silesia.

10 p.m.

ATHLONE, 10.0-Variety. 10.30-Time ; News ; Weather. 10.40-Records.

ade). BUDAPEST, 10.0-See 8.0 Turin. COLOGNE, 10.0—Serenade (contd. from 9.30)

DEUTSCHLANDSENDER, 10.0-

Orchestra (contd. from 7.55), 10.10—Kovacs Lajos Orchestra. Giuseppe Moretti (Song Refrains), 10.40—News. 10.50—Records. 10.55 — Kovacs Lajos Orchestra.

HUIZEN, 10.0—Jan Zwart (Organ). 10.10—Records. KALUNDBORG, 10.0 - Kilden Dance Band.

WORLD-RADIO 54] F.RIDAY February PRINCIPAL EVENTS 9.0 Kalundborg : Clarinet Sonata (Brahms). 9.35 Leipzig : Quartet and guitar. SYMPHONY CONCERTS Vienna: Symphony Orchestra; Mai-nardi ('cello). Stuttgart: Mozart, Reger. Warsaw: The Philharmonic. 6.30 RECITALS P.M. Leipzig : Japanese music. Brussels No. 1 : "Die Winterreise ?" 4.20 7.15 7.15 5.30 (Schubert). Warsaw : Vocal duets. Beromünster : Pianoforte duets (Mozart, Stockholm : Orchestra, Violin (Frenkel). Turin : Conductor, Molinari. 7.30 6.0 LIGHT CONCERTS 6.30 Schubert). Brussels No. 1: Pianoforte sonata Warsaw: Light Orchestral. Leipzig: Operetta music. Cologne: Light Italian programme. Brussels No. 2: Light orchestra. Strasbourg: Gounod, Offenbach, etc. Berlin, Leipzig: Marches and waltzes. Breslau: "The Wanderer" (Buchal). Königsberg: Strauss to Künneke **P**.M. 2.45 6.30 5.20 (Liszt). (LISTI). 7.10 Hamburg : Organ. 7.15 Brussels No. 2 : Viola (Handel, etc.). 7.30 Sottens : André de Ribaupierre (violin). 10.20 National : Cyril Scott. 6.0 6.15 6.30 7.10 7.10 PLAYS Königsberg : Strauss to Künneke. Kalundborg : Choir and orchestra. Rome : Orchestra, song, 'cello. Stockholm : "Salvation" (Martinson). Hamburg : "Ganze Kerle" (Behucken). Berlin : A Play about Bach. Radio-Paris : "Miche" (Etienne Rey). Poste Parisien : "Pêcheur d'ombres" 7.10 7.30 7.30 8.0 7.15 7-45 Brussels No. 1 : Radio orchestra. Brussels No. 2 : Band, from Antwerp. 8.0 8.0 8.15 8.0 Brussels No. 2 : Band, from Antw
8.0 Cologne : Operatic.
8.45 Beromünster : Choir, folk-song.
10.0 Hamburg, etc. : Light orchestral.
10.10 Budapest : Cigány Band Sárai. 7.10-(Sarment). Sottens : "The Professor " (Duvernois). Brussels No. 2 : "Jonathan Swift" 8.25 0.0 (Matthias). OPERAS TALKS 8.0 Paris (PTT): "Brittany and Music." 10.0 National: Mr. Lansbury: "India." P.M. Prague : "Jenufa" (Janáček). Regional : "The Queen of Cornwall" (Rutland Boughton). 6.30 8.30 DANCE MUSIC Deutschlandsender ; 5.0, Brussels No. 2 ; 8.0, Munich, Deutschlandsender ; 9.20, 3.0 OPERETTAS **P.M.** 8.30 Paris (PTT): Excerpts.

- CHAMBER MUSIC
- - P.M. Prague : Quartets (Mozart, Mendels-4.0 sohn).
 - "Death and the Maiden" Warsaw : 4.15 Quartet (Schubert).
 - Strasbourg : Roussel programme. 8.30

- BERLIN, 5.15—Hymm; Gym; Weather; Prayers. 5.35-7.0—See Hamburg. 7.0—Gym. 7.20—Records. 8.40—" Wilhelmine Schröder-Devrient "—Sketch (Lisa Peck).
 BRESLAU, 5.35-7.40—Records. 7.40
 —Gym. 8.0—News. 8.15—Re-
- -Gym.
- COLOGNE, 5.0—Hymn; Records. 5.45—Gym. 6.0—Weather; Hymn; 6.15-7.30—Records.
- 6.15-7.30—Records. DEUTSCHLANDSENDER, 5.35-7.45 —Records. 7.45—Gym. 8.40—
- -Records. Reading. 6.0-7.15-Records.
- Reading. FRANKFURT, 6.0-7.15—Records. 7.15-7.30—Gym. HAMBURG, 5.35—Orchestra. 7.0-7.45—Announcements; Records. HILVERSUM, 7.40—Records. 8.0— Beneric
- Records. HUIZEN; 7.40 Bible Reading; Prayer, 7.55—Records. 7.30—
- KALUNDBORG, 6.0-Gym. 7.30-
- KÖNIGSBERG, 5.35—See Hamburg, 7.0-7.10—Prayers, 7.30—Gym, 8.0-8.30—Talk in English : English
- LEIPZIG, 5.35—See Hamburg. 7.0— Gym. 7.20—Records. 8.55— Exchange; Announcements. MUNICH, 6.0—Records. 7.15-7.35—
- PARIS (Poste Parisien), 7.10-8.45-Fanfarc; Records; News. 8.45-Cookery Hints.
- PARIS (Radio-Paris), 6.45—Gym; Records; News. ROME, 7.0-7.15—News.
- STUTTGART, 6.0-7.15—Records. 7.15—For Women. TURIN, 6.45—Gym. 7.0—News.
- VIENNA, 8.0—News. WARSAW, 6.0-7.0—Records ; News.

9 a.m.

- BERLIN, 9.0—News; Markets. 9:15 —See Königsberg. BRESLAU, 9.15—See Königsberg.
- BUDAPEST, 9.0 News; Talk; Reading.

- COLDGINE, 9.0—News. 9.13—See Königsberg. 9.0—Records.
 DEUTSCHLANDSENDER, 9.0— Reading. 9.10—News. 9.15—See Königsberg. 9.50—Gym.
 FRANKFURT, 9.0—News. 9.15— See Königsberg. 9.50—For House-wive HAMBURG, 9.15-See Königsberg.
- -News HILVERSUM, 9.0—Records. 9.40— Religious Programme, 9.55—
- Religious Recitations. KÖNIGSBERG, 9.15—For Schools (Burchard). 9.50—News.
- (Burchard). 9.50—News. LEIPZIG, 9.0—Exchange; An-nouncements. 9.15-9.50—Sec
- Königsberg. MUNICH, 9.15-9.50—See Königsberg.
- OSLO, 9.0-Exchange. PRAGUE, 9.5-News in German. 9.10-Records. 9.15-Chamber
- 9.10—R Quartet
- Quarte: STUTTGART, 9.0—News. 9.15— "Justus von Liebig"—Sequence (Lorenz): 9.45—Trio in F (Gade). VIENNA, 9.20—Talk : Austrian Coats-of-Arms.

10 a.m.

- BERLIN, 10.25-10.30—Exchange.

 BRESLAU, 10.30-10.45—News.

 COLOGNE, 10.0—Talk.

 Records.

 10.40—Report.

 DEUTSCHLANDSENDER, 10.0—Gym.

 Gym.

 10.15—Weather.

 10.30—
- Gym. 10.15—Weather, 10.30— Report : "Green Week!" FRANKFURT, 10.0—Records ; Ex-

- FRANKFURT, 10.0—Records; Exchange.
 HAMBURG, 10.0—For Schools. 10.30—Wind Band.
 HILVERSUM, 10.0—Recitations. 10.10—Organ. 10.40—Recitations.
 HUIZEN, 10.10—Religious Programme. 10.40—Snijders (Organ).
 KALUNDBORG, 10.15 Talk : School Broadcasts for the Coming Season.

- KÖNIGSBERG, 10.0-10.10 News. 10.30—See Hamburg. LEIPZIG, 10.0—Records; News. MUNICH, 10.0—Markets; News.; Records
- Records. OSLO, 10.15-Service. 10.50-Ex-
- change. PRAGUE, 10.0—Record. 10.5— Schrammel Music.

8.0, Munich, Deutschlandsender; 9.20, Budapest; 9.25, Breslau; 9.30, Stutt-gart, etc.; 9.50, Kalundborg; 10.0, Cologne; 10.5, Warsaw; 10.10, Regional; 10.25, Brussels No. 1; 10.30, Radio-Paris; 11.0 (app.), Paris (PTT), Vienna; 11.15, National.

MISCELLANEOUS 10.45 Brussels No. 1 : The Six Days' Race.

Hours of Transmission in Greenwich Mean Time 5 a.m. 8 a.m. BERLIN, 5.15-Hymn; Gym; Wea-BERLIN, 5.15-Hymn; Gym; BERLIN, 5.15-Hymn; Gym;

11 a.m.

- BERLIN, 11.0 Announcements. 11.10—See Hamburg. BEROMÜNSTER, 11.0 Records;
- News. BRESLAU, 11.0—See Munich. BUDAPEST, 11.0—Chimes; Re-cords; News. COLOGNE, 11.0—Station Chamber Quintet; Six Merry Singers.
- Quintet; Six Merry Singers. DEUTSCHLANDSENDER, 11.0— See Munich. FRANKFURT, 11.0—See Stuttgart. HAMBURG, 11.0—Announcements. 11.10—Wind Band. HILVERSUM, 11.0—Creater Methods HUIZEN, 11.0—Organ (contd. from 10.40). 11.40—Police Messages; Records

- HILVERSUM, 11.0—Records.
 HULZEN, 11.0.—Organ (contd. from 10.40). 11.40—Police Messages; Records.
 KALUNDBORG, 11.2—Andersen String Ensemble.
 KÖNIGSBERG, 11.0 Announcements. 11.10—See Hamburg.
 LEIPZIG, 11.0 Announcements. 11.5—Station Orchestra. Overture, "Les dragons de Villars" (Maillart). Record. Waltz (Petras). Record. Baci al buio (De Micheli). Record. Tunisian Nights (Mineo). Record. In the Interval: Weather. 11.55—News.
 MUNICH, 11.0—Orchestra. Conductor: Böhm. March (Konzák). Overture, "Zampa" (Hérold). Hahnentarz (Kienzl). Folk Song Poipouri (Egg). Flandrische Mädchen (Siede). Selection, "Die sieben Schwaben" (Strauss). España (Waldteufel). Swedish Wedding March (Södermann).: Prelude, Chorus and Dance, "Das Pensionat" (Suppé).
 PRAGUE, 11.0—For Farmers. 11.35—Orchestra.
 RADIO-NORMANDIE. 11.30—Clas-
- Orchestra
- 12.25—Time; Weather; Exchange. BRESLAU, 12.0—See 11.0 Munich. 12.15—News. 12.30—Records. BRUSSELS (No. 1), 12.0—Records : Light Belgian Music. 12.20— Loriaux (Accordion). 12.30— French Operetta and Opera Music Orchestra. Conductor : Douliez. Overture, "Les Saltimbanques" (Ganne). Selection, "La fille de Madame Angot" (Lecoca), "Véro-nique" (Messager), "Phi-Phi" (Christiné), "Manon" (Massenet) and "Samson and Delilah" (Saint-Saéns). RADIO-NORMANDIE, 11.30-Clas-sical Music, Quarfet in D minor (Schubert). Two Etudes (Chopin).

NATIONAL

JANUARY 25, 1935

REGIONAL

For Time Signals, see Monday 10.15-10.45 a.m. (except Midland)-Droitwich. 10.45-The Western Studio Orchestra.

11.45—Organ Recital. 12.15 p.m.—Records. 1.0—Coventry Hippodrome Orchestra. 2.0 (ex. Scottish)—Records.

(ex. Scottish)—Records.
 (Scottish)—For the Schools: Reception Test. 2.10—Speech Training. 2.35—Geography.
 (Scottish from 2.55)—The Vario Trio. Peggy Male (Pianoforte).
 D—B.B.C. Midland Orchestra. Patrick Cory (Pianoforte).
 5—The Children's Hour.
 —"The First News."
 Ourthern Revisorab. Bluck

6.30 (Northern, Regional) – Blyth L.N.E.R. Prize Band. Hardy Williamson (Tenor).

6.30 (Midland) — Wireless Singers. S. C. Cotterell (Clarinet). 6.30 (Scottish)—" Next Week you'll

Hear. . . ." 6.30 (Western)—Cory Workmen's Sil-ver Prize Band. Alec John (Tenor). 6.30 (N. Ireland)—Records. 6.40 (Scottish)—Monica Orr Trio. 7.10 (Scottish)—Gardening Talk. 7.15 (Midland)—Talk. 7.15 (N. Ireland)—For Farmers. 7.20(or Midland N. Ischend) "Formation"

7.30 (ex. Midland, N. Ireland)—"From the London Theatre." 7.30 (Midland)—Excerpts from "Dick

7.30 (Midland)—Exectpts from Whittington and his Cat." 7.30 (N. Ireland)—Introductory Talk to Concert. 7.45-10.0 (N. Ireland)—Wireless Sym-

Astronomic (N. Ireland)—Wireless Symphony Orchestra. Massed Male Choirs. Astra Desmond (Contralto).
7.50 (Regional, Scottish) — Harold Ramsay's Symphony in Rhythm.
7.50 (Northern) — "Pleasure on Parade."

Harry Roy and his Band.
BRUSSELS (No. 2), 12.0-Request Records. 12.30-Les bêtes savantes (Alberi), by the Radio Orchestra. Conductor: André.
BUDAPEST, 12.20-Time; Weather. 12.30-Jozsef Dene's Cigány Band.
COLOGNE, 12.0-Announcements; Greetings. 12.15-New Records.
DEUTSCHLANDSENDER, 12.0-Greetings. 12.10-Records. 12.45-News.
FRANKFURT, 12.0-Time; News. 12.15-See Stuttgat.
HAMBURG, 12.0-Announcements. 12.0-Light Music.
HLVERSUM, 12.0-Records. 12.10 -Kovacs Lajos' Orchestra.
HUIZEN, 12.0-Records. 12.10 Wildschütz '(Lortzing). Eisblumen (Leuschner). Rheinklänge (Joh. Strauss). Selection, "Le petit due: (Lecoq). Selection, "Le petit due: (Lecoq). Selection, "Le petit due: (Lecoq). March (Heynecke). In the Interval: Records.
KALUNBORG, 12.0-Announce-ments. 12.5-Records.
KALUNBOBCG, 12.0-Announce-ments. 12.5-Records.
LEIPZIG, 12.0-News. 12.10-Old and New Operetta Music on Records.
MONTE CENERI, 12.0-News. 12.5

MONTE CENERI, 12.0-News. 12.5

MUNITE CENERI, 12.0—News, 12.5 —Records, MUNICH, 12.0—Orchestra (contd. from 11.0), 12.15—Time; News, 12.25—Anny Rosenberger Chamber Quartet. Overture, "Alcestis" (Glüzk). Scherzo (Schubert), Triumph Walzer (Gröschel), Schlaf cin mein Blond-Engelein (Freire), Intermezzo, Tintoretto (Kockert). OSLO, 12.0—Records In the

Intermezzo, Tintoretto (Kockert). OSLO, 12.0-Records. In the Interval at 12.15: Weather; For Farmers, and at 12.45: Exchange. PARIS (Poste Parisien), 12.0-Ex-change. 12.5-Request Music. 12.25-An Interview. 12.35-Programme by the Folies Bergère. PARIS (PTT), 12.0-Tourist Report. 12.15 - Orchestra. Conductor: Georis. Dorenlot (Songs). Over-ture, "The Pcarl of Brazil "(David). Winc. Woman and Song (Strauss). Feuillets d'album (Lévadé). Selec-tion, "Countess Maritza" (Kál-mán). Songs: (a) Screnade (Tosti),

Hear

- For Time Signals see Monday 10.15 a.m. (Droitwich)—Service. 10.30 (Droitwich)—Weather Forecast. 10.45—Talks to Mothers. "The Care of the Sick Child "—2. By a Doctor. 11.0—Cinema Organ (Reginald New).
- 11.30-For Schools : "Music and Movement for Very Young Chil-dren." Ann Driver.
- dren." Ann Driver. 11.50-Trocadero Cinema Orchestra. Overture, The Bohemian Girl (Balfe). Parade of the Sunbeams (Maclean). Fantasy, Tales of Hoffman (Offenbach). Swing o' the Kilt (Ewing). Selection, Bitter Sweet (Coward). 12.30 p.m.—B.B.C. Dance Orchestra, 1.15-Birmingham Philharmonic String Orchestra. Dorothy Hem-ming (Violin). 2.0-3.15 (Scottish)—See Regional. 2.0 (ex. Scottish)—For the Schools 1.

- 2.0 (ex. Scottish)—See Regional: Reception Test. 2.5—Travel Talk.
 2.3—Music. 3.0—Story.
 3.15—The Scottish Studio Orchestra.
 4.15—The Hotel Metropole Orchestra.
- 4.15—The Hotel Metropole Orchestra.
 5.15—The B.B.C. Dance Orchestra.
 6.0—"The First News."
 6.25—Bulletin of Special Notices.
 6.30—Keyboard Talks. Series 5— "Musical Art Forms as a means of Expression." Sir Donald F. Tovey, Mus.Doc.
 6.50—"In Your Garden." C. H.
- Middleton. 10—"The Foundations of Music."
 - 1.10—"The Foundations of Music." 7.30—B.B.C. Orchestra (Section D), conducted by Joseph Lewis. David Wise (Violin). Orchestra : Overture to a Comedy (Balfour Gardiner) ; Musette (King Christian Suite) (Sibelius). David Wise and Orches-tra : Suite, Pibroch (Mackenzie). Orchestra : Theme and Six Diver-sions (Edward German).
- Sions (Edward German).
 8.30—ShortStory : "Seascape : Morning off Lerwick," by "Sea Wrack," Read by V. C. Clinton-Baddeley.
 8.45—Ord Hamilton and his Twentieth Century Band.
 9.30—"The Second News."
 10.0—"India." The Rt. Hon. George Lansbury, M.P.
 10.20—A Programme of Music by Cyril Scott. Cyril Scott and Estlier Fisher (Pianofortes). Eleanor Kauf-man (Mezzo-Soprano).
 11.15-12.0 (Droitwich)—Dance Music : Harry Roy and his Band.
- 7.50 (Western) Hubert Pengelly (Pianoforte).
 8.0 (Western) Hubert Pengelly (Pianoforte).
 8.0 (Western) Speech by Patrick Abercrombie, F.R.I.B.A.
 8.30 (ex. N. Ireland) —" The Queen of Corn wall" (See Wednesday, National, 8.0 p.m.).
 10.0 News Summary.
 10.10 (ex. Northern and Scottish) Dance Records.
 10.10 (Northern) Records.
 10.10 (Northern) Records.
 10.10 (Soctish) Pping and Fiddling.
 10.30-12.0 (Midland till 11.15) Harry Roy and his Band.

Polovtsian Dance (Borodin). Over-ture, "Rienzi" (Wagner). Waltz in A flat (Chopin). ROME, 11.30-Records.

ROME, 11.30—Records. SOTTENS, 11.30—News. 11,40— Small Radio Lausanne Orchestra. Conductor: Desarzens. Part I. Overture, "Britannicus" (Scassola). Waltz, "Der Rosenkavalier" (Strauss). Suite, Ellys (Ganne). Melody (Rubinstein). Twilight (Borowski). Serenade (Borowski). Suite of Children's Songs (Blech). Mazurka (Godard). Legend (Dvofåk). Entre Ios naranjos (Turina). Arabian Nights (Arbos). Part II. Light Music. Part III. Jazz Music.

STUTTGART, 11.0—Karlsruhe Phil-harmonic Orchestra from Karlsruhe. Conductor : Froehlich. TURIN, 11.0—Records. 11.45—

News. VIENNA, 11.0—Vienna Symphony Orchestra. Conductor : Schönherr. Karl Rosner (Violin). Persian March (Strauss). Overture, "Rund um die Liebe" (Straus). Wiener Wald-Blumen (Pehn). Suite, Kindersze-nen (Wachsmann). Violin Solo : Perpetuum mobile (Novacek). Se-lection, "André Chenier" (Gior-dano). Overture, "Rayinond" (Thomas).

WARSAW, 11.5—Press Review. Light Music and Dance Music. 11.45— Talk.

12 noon BERLIN, 12.0-Midday Echoes, 12.15

BEROMÜNSTER, 12.0 -- Records. 12.25-Time ; Weather ; Exchange.

11.30-Weather.

(Turina). Part II. Jazz Musi

STOCKHOLM,

Records

and "S Saëns).

11.45-Exchange.

12 noon (contd.)

(b) La petite église (Delmet), (c) Colibri (Chausson), (d) La Légende du petit navire (Massec). Histoires (Ibert). Suite (Guillot). Oboe and Orchestra : Ronde villageoise (Lénom). Ballet, "Parysatis" (Saint-Saëns). Overture, "Les cloches de Corneville" (Phanquette).
PARIS (Radio-Paris), 12.0—Jewish Talk, 12.30—Light Music. Goldy Band, Jean Sorbier (Song Refrains).
PRAGUE, 12.0—Orchestra, 12.35— Labour Exchange. 12.45—Records. 12.55—Exchange.

- 12.55—Exchange, RADIO-NORMANDIE, 12.0 Re-

- 12.5- Exchange.
 RADO-NORMANDIE, 12.0 Records. 12.30 News; Announcements. 12.45 Light Music.
 ROME, 12.0 Announcements. 12.5 Light Music. In the Interval at 12.35 : News; Exchange.
 SOTERNS, 12.0 Orchestra (contd. from 11.40). In the Interval at 12.05 : News; Exchange.
 SOTERNS, 12.0 Orchestra (contd. from 11.40). In the Interval at 12.05 : News; Exchange.
 SOTERNS, 12.0 Orchestra (contd. from 11.40). In the Interval at 12.05 : News; Exchange.
 SOTERNS, 12.0 Orchestra (contd. from 11.40). In the Interval at 12.05 : News; Exchange.
 STAGEBOURG, 12.0 Orchestra. 12.06 News, 12.15 Records.
 STURING RT, 12.0 Local Review. 12.06 News, 12.15 Records: Light Music.
 TURIN, 12.0 Announcements. 12.5 Ambrosiana Orchestra. Conductor: Culotta. In the Interval at 12.35 : Records; Exchange.
 VIENNA, 12.0 Time; News, 12.10 News, 12.06 News, 12.06 News, 12.07 News, 12.07 News, 12.08 News, 12.

1 p.m.

- ATHLONE, 1.30-Time; Weather; Exchange; Records. BERLIN, 1.0 News; Water Level. 1.15-1.30-Records. BRESLAU, 1.5-Exchange. 1.10-Post Office Propaganda; Records. 1.35-Greetings. 1.40-Markets. BRUSSELS (No. 1), 1.0-News. 1.15-French Opera and Operetta Music (contd. from 12.30). 1.30-Interlude by Olga Ugane. 1.40-Records: Organ Music. BRUSSELS (No. 2), 1.0-News. 1.10-Radio Orchestra. Con-ductor: André. Barnes (Bass). 1.30-Records. BUDAPEST, 1.0-Jozsef Dene's Cigány Band. 1.40-Household Hints.

- Cigány Band. 1.40—Frousenous Hints. COLOGNE, 1.0 Announcements. 1.15-1.45—Variety. Kár Hollmann and Heinz Herkrath. DFUTSCHLANDSENDER, 1.0—

- DEUTSCHLANDSENDER, 1.0-Variety. 1.55-Announcements. FRANKFURT, 1.0-See Stuttgart. 1.15-Time; News. 1.30-Industrial Review. 1.45-Time; Exchange. 1.55-Weather. HAMBURG, 1.0-Light Music. 1.15 -News. 1.30-Pianoforte Con-certo in A minor (Grieg), by Backhaus and the New Symphony Orchestra (on Records). Con-ductor: Barbirolli. HILVERSUM, '1.0-Kovacs Lajos' Orchestra.
- HUIZEN, 1.0 Van der Horst Ensemble (contd. from 12.10). KALUNDBORG, 1.40—Danish Songs by Anna Hagen.
- KÖNIGSBERG, 1.0-News : Re-cords. 1.30-Post Office Propa-

- KONICSBERG, 1.0-ENEWS: Records. 1.30-Post Office Propaganda; Records.
 LEIPZIG, 1.0 News; Exchange, 1.15--" Mother and Child."-Concert on Records. 1.40 Talk: Mediaeval Women's Occupations.
 MUNICH, 1.0 News; Programme Annoucements; Exchange, 1.20-Readings (Hans Grium). 1.50-Readings (Hans Grium). 1.50-Readings (Hana Copony).
 OSLO, 1.0-Exchange.
 PARIS (Poste Parisien), 1.5-Interlude. 1.15-Exchange. 1.19-Records.
- lude. Records.
- PARIS (PTT), 1.0—News. 1.15— Orchestra (contd. from 12.15). 1.30 —Exchange.
- Dichestra de la context neuro reste ange.
 PARIS (Radio-Paris), 1.0-Light Music (contd. from 12.30). In the interval, at 1.20-Exchange.
 PRAGUE, 1.0-1.5-Exchange in German.
 RADIO-NORMANDIE, 1.0-1.45-Light Music.
 STOCKHOLM, 1.0-Light Music.
 STRASBOURG, 1.0 Exchange.
 1.5-Records.
 STUTTGART, 1.0-1.15-Records : Light Music.

TURIN, 1.0—Ambrosiana Orchestra. 1.15—Exchange. VIENNA, 1.0—Announcements. 1.40 —Report of the Austrian Ski Championship from Reutte.

2 p.m.

- ATHLONE, 2.0-2.30-Records. BARCELONA, 2.0 News; Topical Sketches with Music. 2.30 --Catalan Notes and Tourist Re-port. 2.40-Topical Sketches with Music. 2.55-Exchange.
- BERLIN, 2.0-Exchange. 2.25-Coloratura Music by Ellen Brendel, Ingrid Lüdding and Käthe Ruhs. BEROMÜNSTER, 2.30-Records. 2.50-Time.
- 2.59—1ime. BRATISLAVA, 2.55—Station Or-chestra, Conductor: Schimp!. Overture, "William Tell " (Rossini). Ballet, "The Arabian Nights" (Bortkiewicz). Tales from the Vienna Woods (Strauss). March (Ticky) Vienna (Tichy).
- (Tichy). BRESLAU, 2.10—Charlotte Scher-bening (Contralto). Songs (Brahms) (a) Die Perlenschnur, (b) Murrays Ermordung, (c) Salomé. Songs

Damnation of Faust " (Berlioz). Serenade (Pierné). Serenade, "I Pagliacci " (Leoncavallo). PRAGUE, 2.45—Exchange. 2.55—.

PRAGUE, 2.45—Exchange. 2.55— Orchestra.
STUTTGART, 2.30 — Children's Orchestra. Conductor: Holle.
VIENNA, 2.0 — Time; Weather; Exchange. 2.20—Talk and Read-ing: Elisabeth Heyking. 2.40— Beethoven Records with Com-mentary for Young People.
WARSAW, 2.30 — Announcements. 2.35—Exchange. 2.45—Light Music by the Seredynski Orchestra and a Vocal Ensemble.

3 p.m.

- BARCELONA, 3.0-News. 3.5-For Hospitals. BERLIN, 3.0—See Frankfurt.
- BERCIN, 3.0—See Frankfurt. BEROMUNSTER, 3.0—Station Or-chestra. Conductor: Hoffmann. Rosario Tusa (Pianoforte). Sym-phony in D (Haydn). Rhapsody in Blue (Gershwin).
- BRATISLAVA, 3.0—Station Orches-tra (contd. from 2.55), 3.45—Talk. BRESLAU, 3.0—Cello; Pianoforte (contd. from 2.40), 3.10—Talk;

VIENNA, 3.0—Beethoven Records (contd. from 2.40). 3.5—News. 3.40—"Musical Pictures"—Con-cert on Records. 3.35—Talk : Winter Sports. 3.45—For Children. WARSAW, 3.45—For Invalids.

4 p.m.

BARCELONA, 4.0-News. BERLIN, 4.0-See 3.0 Frankfurt. BEROMÜNSTER, 4.0-Station Or-chestra (cond. from 3.0), 4.10-Light Music. Station Orchestra. Conductor ? Neppach. BRESLAU, 4.0-See 3.0 Frankfurt. BRUSSELS (No. 1), 4.55-Announce-ments.

- BUDAPEST, 4.0-Talk. 4.35-István Bertha Chamber Orchestra. Overture, "The Gipsy Baron" (Strauss). Hochzeitsmusik (Jensen). Variations on Folk Songs (Stefániai), Extracts, "No, No, Nanette" (Youmans). Hungarian Song (Losonczy). Faschings Miniaturen (Kasker). Piece (Pécsi).
 COLOGNE, 4.0-Orchestra (contd. from 3.0). 4.30-Talk : A Visit to a Silver-Fox Farm. 4.45-Schubert Recital by Toni Fassbender (Violin),

Hermann Fassbender and Hans Haas (Pianoforte). Pianoforte and Violin Duet. Pianoforte Duet : Polonaise.

DEUTSCHLANDSENDER, 4.0 – Light Music (contd. from 3.0). 4.30–Pianoforte Quintet (Berger). FRANKFURT, 4.0–Concert (contd.

from 3.0). HAMBURG, 4.0—See 3.0 Munich. 4.30—Talk : Biology. 4.45—Ad-dress by Hans Johst : Freedom in the Community (on Records). HILVERSUM, 4.0 — Dressmaking. 4.30—Records. 4.40—For Chil-

HUIZEN, 4.0—Records, 4.10—To be announced.

be announced. KALUNDBORG, 4.0—For Children. 4.30—Exchange. 4.45—Literary Talk: The Myths of Johannes Jensen.

Jensen. KÖNIGSBERG, 4.0-Talk: Radio Interference. 4.15-Book Review. 4.25-Songs to the Harp by Rita Weise (Soprano) and Friedel Ell-guth, Tanzliedchen (Wintzer). Mädchen sind wie der Wind (Löwe). Canzonetta (Löwe). Spirito santo (Löwe). Heidenröslein (Schubert). Jüngling an der Quelle (Schubert). Jüngling an der Quelle (Schubert). Jöngling (Schubert). Evensong. 4.50 – Talk : East Prussian Afforestation. LEIPZIG, 4.0-Talk: The Ether.

Afforestation. LEIPZIG, 4.0-Talk : The Ether. 4.20-Japanese Music. Margarete Vogt-Gebhardt (Soprano) : Blumer (Pianoforte). Songs (von Zieritz) : (a) Freunde, (b) Sommerduft, (c) Fern von dir. (d) Erinnerung. (e) Am heiligen See. Pianoforte : Extracts, "Japan" (Niemann) : (a) Das Teehaus, (b) Das Kirsch-blütenfest, (c) Tanz. der Geisha. Songs (von Zieritz) : (a) Das Alter, (b) Komm einmal noch, (c) Rück-blick, (d) Einsamkeit, (e) Japan. 4.50-Exchange. MONTE CENERI, 4.0-5.0 – Sce

4.50—Exchange. MONTE CENERI, 4.0-5.0 — Sce Beromünster. MUNICH, 4.0—Orchestra (contd. from 3.0). 4.30—Talk: Radio Interference. 4.50—Annemarie Heyne (Pianoforte). Bagatelle in

from 3.0).

dren

flat (Beethoven). Bagatelle in (Beethoven). Sonata in E flat (Mozari), OSLO, 4.0—Dance Music, PARIS (Poste Parisien), 4.50—Ex-

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FRIDAY Feb. 1

PARIS (Poste Parisien), 4.30—Exchange.
 PARIS (Radio-Paris), 4.0—Exchange.
 4.30—English.
 PRAGUE, 4.0—Ondricek Quartet, and Moravec (Viola). String Quintet in B flat (Mendelssohn).
 ROME, 4.0—Exchange.
 4.10—Light Music.
 4.55—Weather.
 SOTTENS, 4.0-See Berominster.

ster. STOCKHOLM, 4.0—Weather. 4.5— Hawaiian Music. 4.25—Songs to the Lute by Carl Möller. 4.45— Talk

STRASBOURG, 4.45-Talk for STUTTGART, 4.0-See 3.0 Frank-

furt. TURIN, 4.0—For Children, 4.10— Concert, 4.55—Weather. VIENNA, 4.0—For Children, 4.10 —Sonata in A for Violin and Piano-forte (Franck), by Grete Löw-Smetana and Alexander Klahr. 4.40 —Weekly Sports Report. 4.50— Traffic Report.

--Weekly Sports Report. 4.50-Traffic Report. WARSAW, 4.0-For Invalids. 4.15--String Quartet in D minor-"Death and the Maiden" (Schu-bert), by the Polish Quartet. 4.50-Book Review.

5 p.m.

BERLIN, 5.0—Announcements. 5.5— Book Review. 5.30—Songs to the Lute (Knab), by Oskar Besemfelder.

BEROMÜNSTER, 5.0—For Children. 5.30—Talk : Life Insurance. BORDEAUX - LAFAYETTE, 5.0—

BORDEAUX - LAFATEITE, 5:0-Literary Programme. BRATISLAVA, 5:0 - Hungarian Transmission : Topical Talk; Slo-vak, 5:45-Sports. BRESLAU, 5:0-Topical Report. 5:25-Talk for Girls, 5:50-An-nouncements

BRESLAU, 5.0-Topical Report. 5.25-Talk for Girls. 5.50-Announcements.
BRNO, 5.0-Talk : Creative Art. 5.10 Theatre Review. 5.20-German Transmission : Astronomy Talk for Young People.
BRUSSELS (No. 1), 5.0-Talk by Gever : A Visit to the Oldest In-habitant of Brussels. 5.30-"Die Winterreise".-Song Cycle (Schu-bert) by Anita Touret.
BRUSSELS (No. 2), 5.0-Dance Music by Joe Andy and his Enter-tainers from the Shanghai.
BUDAPEST, 5.0-Orchestra (contd. from 4.35). 5.55-Talk.
COLOGNE, 5.0-Schubert Recital (contd. from 4.45). 5.15-For Farmers. 5.30-English. 5.45-Weather ; Exchange ; Sports Report.
DEUTSCHLANDSENDER, 5.0-Pianoforte Quintet (Berger) (contd. from 4.30). 5.15-" The Fabulous Zoo"-a Fantastic Dream (Eich). 5.40-Talk : Radio Interference. 5.55-Poem ; Weather.

Tohn 9.30, 5.13-- The Fabilious
 Zoo "-a Fantastic Dream (Eich).
 5.40--Talk : Radio Interference.
 5.55--Poem ; Weather.
 FRANKFURT, 5.0 - For Young
 People. 5.15--Topical Talk. 5.30- Talk : Astronomy. 5.45--Weather ;
 Exchange ; Programme Announce ments ; Time. 5.50--Trier Municipal
 Orchestra. Conductor : Creutzburg.
 Overturc, "A Masked Ball"
 (Auber). Slav Dances (Karel).
 March (Lachner). Overturc, "Marinarella" (Fučík). Selection, "Pol enblut" (Nedbal). March, Hand
 in Hand (von Blon).
 HAMBURG, 5.5-- The Spirit of
 Music "- Sequence. 5.45 - Exchange.
 HLVERSUM, 5.0-For Children.

HILVERSUM, 5.0-For Children.

change. HILVERSUM, 5.0—For Children. 5.10—Orchesira. Conductor : Wins. 5.55—The Walis Orchestra. Over-ture, "Zampa" (Hérold). Love Songs (Huppertz). Mon idéal (Alschausky). Selection, "Die toten Augen" (d'Albert). HUIZEN, 5.0—To be announced. 5.25—Excelsior Mouth Organ Band. Conductor : Sühren. De Rijn (Glas). Lullaby Land (Prival). Records. Dutch Song Potpourri. Heinzel-männchens Wachtparade (Noack). Records. Sarie Marijs. KALUNDBORG, 5.0—Talk (contd. from 4.50). 5.15—German. 5.45— Announcements. KÖNIGSBERG, 5.0—Talk (contd. from 4.50). 5.15—Markets. 5.30— Physical Culture and Games for Young People. 5.55 — Announce-ments.

ments. LEIPZIG, 5.0—Talk for Young People. 5.20—Operetta Music. Station. Orchestra. Conductor: Schröder. Overture, "Grigri" (Lincke). Waltz, "Der Fremden-führer" (Ziehrer). Selection, "Pol-enblut" (Nedbal). Extracts, "The Cousin from Nowhere" (Künneke).

"Meissen Porcelain" is the theme of Frankfurt's programme at 7.10 p.m.

- (Trunk): (a) Meine Mutter hat's gewollt, (b) Schmerz, (c) Unter Blüten. Venetian Lullaby (Marx). Japanese Rain Song (Marx). Songs (Grieg): (a) Ich liebe Dich, (b) Im Kahn, (c) Eros. 2.40—Binnow-sky ('Cello); Hattwig (Pianoforte). 'Cello Concerto in D (Ifaydn). Capriccio (Haydn). Tambourin (Leclair). Richard Wagner and Animals. 3.30 —See 3.0—Frankfurt. BUDAPEST, 3.10—For Boys. 3.45—
- BUDAPEST, 3.10—For Boys. 3.45— Time.
 COLOGNE, 3.0—Witten Municipal Orchestra. Conductor: Fliegner. Carl de Vogt (Songs to the Lute).
 DEUTSCHLANDSENDER, 3.0 Light Music for "Green Weck." From the Kaiserdamm Exhibition Hall. !Carl Wojtschach Orchestra. Bruno Fritz (Speaker).
 FRANKFURT, 3.0—Concert by the Station Orchestra and the Franz Hauck Band. Conductor: Hess. Lena Martin-Bössnicker (Soprano). In the Interval: Art Notes.
 HAMBURG, 3.0—See Munich.
 HLLVERSUM, 3.0—Records. 3.10 —Dance Records. 3.45—Dress-making. BRUSSELS (No. 1), 2.0-Educational

making.

HUIZEN, 3.0—Pianoforte (contd. from 2.40). 3.40—Records. KALUNDBORG, 3.0—Petersen Or-chestra from the Wivex.

KÖNIGSBERG, 3.0—Records : Light Music and Dance Music. LEIPZIG, 3.0—See Munich.

MONTE CENERI, 3.0-See Bero-

MONTE CENERI, 3.0-See Bero-minster.
 MUNICH, 3.0-Station Orchestra. Conductor: List. Maria Agathe Machler (Soprano); Melanic Michaelis (Violin). Scherzo (Pfitz-ner). Ballet Music (Noetzel). Aria, "Madame Butterfly" (Puccini). Extract, "Hänsel und Gretel" (Humperdinck). Ballad. "Der Freischütz" (Weber). Violin and Orchestra : Konzertstück in F minor (von Glenck). Finale from the Symphony in C (Besthoven).
 PARIS (Poste Parisien). 3.25-Ex-

PARIS (Poste Parisien), 3.25—Ex-change. 3.45—Exchange. PARIS (PTT), 3.0—Serenades (contd. from 2.20).

from 2.20), PRAGUE, 3.0—Orchestra, 3.45— Czech for Germans, ROME, 3.30—Children's Radio Re-view, 3.55—News. SOTTENS, 3.0—See Bromünster, STUTTGART, 3.0—See Frankfürt, TURIN, 3.35—News, 3.45—For Children.

- BRUSSELS (No. 2), 2.0-2.45-For
- Schools. 2.0—Handwork for Girls. 2.30—Exchange. 2.45— A Visit to a Potter's Workshop.
- DEUTSCHLANDSENDER, 2.0 -Exchange, 2.15-"The Man in DEUTSCHLANDSENDER, 2.0 – Exchange, 2.15–"The Man in the Moon" – Songs and Stories by Paula Walendy and Children, 2.40–Songs for Girls, FRANKFURT, 2.0 – News, 2.15– For Women, HAMBURG, 2.0 – Exchange, 2.40– Shipping, 2.50–Ice Report, HILVERSUM, 2.0–Kovaes Lajos Orchestra, 2.10–Recitations; Records,
- Orchestra. Records.
- Records. HUIZEN, 2.0 Van der Horst Ensemble (contd. from 12²¹⁰). 2.10 —Bible Reading. 2.40—de Groot Jr. (Pianoforte). Three Pieces (Chopin): (a) Ballad in A minor, (b) Berceuse in D flat, (c) Waltz in E minor. Records. La soirée dans Grenade (Debussy). Valses nobles et sentimentales (Ravel). KALUNDBORG, 2.0—Peterson Or-chestra from the Wivex. EXONICSBERG. 2.0—Exchange. 215
- cnestra from the wivex, KÖNIGSBERG, 2.0-Exchange, 2.15 -Handwork for Children, 2.40-Taik for Women, LEIPZIG, 2.35-Exchange, MONTE CENERI, 2.59-Time,

MUNICH, 2.0-Sketch (contd. from 1.50). 2.30-Talk : Old Munich Carnival Invitations. 2.50-For

Farmers. PARIS (Poste Parisien), 2.0-

PARIS (PTT), 2.0 — Records : Folk Songs, 2.20—Serenades : Serenade, "Don Giovanni" (Mozart). Seren-ade (Goeyens). Serenade, "The

Exchange

FRIDAY Feb. 1

5 p.m. (contd.)

Selection, "The Gipsy Baron" (Strauss). Waltz, "Die Tanzgräfin" (Stolz). March, "Boccaccio" (Suppé). LYONS (La Doua), 5.0-Chamber

LYONS (La Doua), 5.0-Chamber Music. MORAVSKA-OSTRAVA, 5.0-German Transmission : "Between you and Me"--Comedy (Fulda) : Tourist Report. 5.35-Local News ; Sports. 5.45-Talk. MUNICH, 5.0-Pianoforte (contd. from 4.50). 5.5-Talk : Lammeyer, the Painter. 5.25-Talk : Ski-ing in Bavaria. 5.45-Talk : German Production. 5.55-Time ; Weather. OSLO, 5.0-Interview. 5.30-English. PARIS (PTT), 5.45-Talk arranged by the International Labour Bureau. PRAGUE, 5.0-For Farmers. 5.10-For Workers. 5.20-German Transmission :Sports Review ; Med-ical Talk : For Workers. 5.55-News in German.

News in German. RADIO-NORMANDIE, 5.30-Dance ROME, 5.0-Wheat Markets. 5.50-

 ROME, 5.0—Wheat Markets. 5.20— Announcements.
 SOTTENS, 5.0—Talk : Cabinet-mak- ing. 5.25—Small Radio Lausanne Orchestra. Conductor : Desarzens. Overture, "Nakiris Hochzeit" (Lincke). Virginia Rhapsody (Haydn-Wood). Salut d'amour (Elgar). Sérénade lyrique (Elgar). Song, Ich muss wieder eimál in Grinzing sein (Benatzky). Patrouille de Liliputiens (Auvray). de Liliputiens (Auvray). STOCKHOLM, 5.0-Talk. 5.15-

Records. STRASBOURG, 5.0—Orchestra. STUTIGART, 5.0—Sports Report from Karlsruhe. 5.15—Winter Sports Report. 5.30—Community Singing. Conductor : Stapelberg. TURIN, 5.0—For Farmers. 5.50—

Announcements. VIENNA, 5.0—Traffic Report. 5.5— Talk : Austrian Strongholds. 5.35 —Scientific Review. 5.45—An-

wARSAW, 5.0—For Farmers, 5.10— Art Notes, 5.15—Operetta Records, 5.45—A Grammar Catechism.

6 p.m.

ATHLONE, 6.0-For Children. 6.45

ATHLONE, 6.0—For Children. 6.45 News. BARCELONA, 6.0—Trio in B flat (Schubert) by Rosaura Coma (Pianoforte), Julio Jarque (Violin) and Fernando Prió (Cello). After the Programme : Records. BARI, 6.15—Weather ; News in Foreign Languages ; Records. BERLIN, 6.0—"Sayit with Flowers 4" —Else Dobler and Hartung (Humor-ous Songs), Thiele and Hahn (Two Pianofortes). 6.40—Evening Echoes. BERCMUNSTER, 6.0—Time ; Wea-thet ; Markets ; Tourist Report and Winter Sports. 6.30—Piano-forte Duets, Mozart and Schubert. Adelheid and Fritz Indermuhle. EORDEAUX - LAFAYETTE, 6.0— Literary Programme. 6.30—News. BRATISLAVA, 6.15—Political Talk. 6.30—Dance Music. BIRESLAU, 6.0—"Winter on the Farm"—Sequence. Music by Sczuka. BRND, 6.10—Record. 6.15—French.

6.30-Dance Music.
6.30-Dance Music.
BRESLAU, 6.0-. Whiter on the Farm "-Sequence. Music by Sczuka.
BRNO, 6.10-Record. 6.15-French.
BRUSSELS (No. 1), 6.0-Talk : Psychotechnology, 6.15-Request Records.
6.30-Lecture Recital by Osear Delvigne : The History of the Pianoforte, illustrated by Sonata in B minor (Lisz).
BRUSSELS (No. 2), 6.0-Book Review.
6.15-Light Orchestra. Conductor : Douliez.
BUDAPEST, 6.0-Talk. 6.30-Songs (Stef Sebök).
COLOGNE, 6.0-Italian Music. Station Orchestra. Conductor : Douliez.
BUDAPEST, 6.0-Italian Music. Station Orchestra. Conductor : Eysoldt. Symphonic Prelude (Trevisio). Dance of the Waves (Catalani). Suite campestre (de Micheli). Mattinata (Leoncavallo). Waltz Serenade, "II natale di Pierrot" (Monti). Baltet Music, "La Gioconda" (Ponchielli). Prelude, "The Quarrelling Women" (Cardoni).
6.50-Snapshots.
DEUTSCHLANDSENDER, 6.0-Light Music. Station Orchestra. (cond. from 5.50). 6.45-Topical Talk.
HAMBURG, 6.0-Hanceatic Regimental Marches from Rostock.

Topical Talk. HAMBURG, 6.0—Hanzeatic Regi-mental Marches from Rostock. HILVERSUM, 6.40—Talk. 6.50— Organ. Indian Love Lyrics (Wood-forde-Finden). Intermezzo (Tho-mas). Tina (Kennedy). Souvenir (Drdla). Little Dutch Clock (Reaves)

(Reaves). HUIZEN, 6.0—Mouth Organ Band (contd. from 5.25). 6.10—Talk.

6.40—Police Messages; Church Notes. 6.55—Records. KALUNDBORG, 6.0—News. 6.15— Discussion: Danish Tourist Traffic. 6.30—Talk.

6.30—Talk. KÖNIGSBERG, 6.0 — Announce-ments. 6.10—Topical Report. 6.30 —Gustav Jacoby Humorous Pro-

LAHTI, 6.15—Helsinki Station Or-chestra. Conductor: Linko. Irma Nissinen (Violin). Overture, "Ober-ron" (Weber). Violin Concerto (Wieniawski). Tarantella (Mendelssohn). 6.35—Talk. LEIPZIG, 6.0—Operetta Music (cond. from 5.20). 6.40—Talk on the 8.0 Transmission

LYONS (La Doua), 6.0-Talk. 6.30-

MADRID (EAJ7), 6.0—Announce ments. 6.10—Songs. 6.30—News

ments. 6.10—Songs. 6.30—News. 6.15—For Women. MONTE CENERI, 6.15—Records : Extract, "La valse" (Ravel). Sym-phonic Poem, Tamara (Balakirev).

phonic Poem, Tamara (Balakirev). 6.45-News. MORAVSKA-OSTRAVA, 6.30-Band. Conductor: Vitek. MUNICH, 6.0-Munich Concert Or-chestra. Conductor: Planer. March. Unter dem Hoheitszeichen (Krug). Admira-Ouverture (Fichtl). Fest der Zwerge (Noack). Gounod Potpourri (Wacek). Hänsel und Gretels Heimkehr (Dicker). Hunting Song Potpourri, Horrido (Kohl-mann). Waltz, Am Wörther Sce (Koschat).

Song Potpourry, How Worther Sce mann). Waltz, Am Worther Sce (Kosstat). OSLO, 6.0—Announcements. 6.15— News. 6.30—Time. 6.45—Sinding, Helle and Liszt Songs. Berit

News, 6.30-Time, 6.45-Sinding, Helle and Liszt Songs. Berit Pedersen.
PARIS (Poste Parisien), 6.25-Ex-change, 6.29-For Farmers, 6.30-Theatre Review, 6.37-Le Carnaval romain (Berlioz), on Records, 6.59 -Talk, 6.57-Records.
PARIS (PTT), 6.0-For Women: Notes; Henriette Roget Music by the Composer and Nelly Gautier (Cello); Talk; "Candlemas"-Sketch, 6.30-News.
PARIS (Radio-Paris), 6.0-Colonial Notes, 6.15-Weather; For Far-mers; Gardening; Exchange; Racing, 6.30-News.
PARIS (Radio-Paris), 6.0-Colonial Notes, 6.15-Weather; For Far-mers; Gardening; Exchange; Racing, 6.30-News.
PARIS (Radio-Paris), 6.0-Colonial Notes, 6.15-Weather; For Far-mers; Gardening; Exchange; Racing, 6.30-News.
Collism, 6.25-Talk on the following Transmission. 6.30-"Jenufa"-Opera in Three Acts (Janace), from the German Theatre. Conductor: Szell.
RADIO-NORMANDIE, 6.0-For Children, 6.50-Local News.
ROME, 6.5-Italian for French Listeners; Announcements in Foreign Languages.
SOTTENS, 6.0-Tourist Report;

ROME, 6.5-Italian for French Listeners: Announcements in Foreign Languages.
 SOTTENS, 6.0-Tourist Report; Sports Notes. 6.15-Records.
 6.40-Talk: Health and the Teeth.
 6.59-Weather.
 STOCKHOLM, 6.0-Records. 6.15 -News, 6.30-"Salvation"-Play (Harry Martinson).
 STRASBOURG, 6.0-Talk in Ger-man. 6.15-Tourist Talk: Ski-ing.
 6.30-Orchestra. Conductor: de Villers. Ballet Music, "Romeo and Juliet" (Gounod). Selection, "The Goldsmith of Toledo" (Offenbach).
 Fête galante (Lacôme). Hungarian Rhapsody (Liszt). Golliwog's Cake-walk (Debusy).
 STUTTGART, 6.0-See Cologne. 6.45 -Talk by Dr. Knust: Radio Interference.
 TOULIOUSE (Radio-Toulouse). 6.0-

ToULOUSE (Radio-Toulouse), 6.0– News. 6.15–Light Music. 6.30– Sound-Film Music. 6.45–Or-chestra. Hungarian March (Berlioz). Valse des fleurs (Tchaikovsky). Fugue (Berners). TURIN, 6.5–Italian for French Listeners; News in Foreign Lan-guages.

Listeners; News in Foreign Lan-guages. VIENNA, 6.0—Announcements. 6.5— Time; News. 6.15—Report of the Ski-ing Championship from Reute. 6.30—Vienna Symphony Orchestra. Conductor: Nilius. Enrico Mai-nardi ('Cello). Prelude, Forlane, Minuet and Rigaudon, "Le tom-beau de Couperin" (Ravel). 'Cello Concerto in D (Haydn). Nocturne and Scherzo (Mendelssohn). 'Cello and Orchestra: Adagio con vari-azioni (Respighi). Variations on a Hungarian Folk Song (Zador). WARSAW, 6.0—Vocal Duets by

Hungarian Folk Song (Zador). WARSAW, 6.0–Vocal Duets by Gadejska and Bragińska. The Crown (Dvořák). The Dove (Moszkowsky). Duet (Mendels-sohn). Duets, "The Queen of Spades" (Tchaikovsky) and "Ma-dame Butterfly" (Puccini). 6.20– Topical Talk, 6.30–Light Music. 6.45–Announcements.

7 p.m.

ATHLONE, 7.0—Literary and Drama-tic Talk by Aodh de Blacam. 7.15—Talk by Captain C. J. McGuinness, 7.30—Time. 7.31— The Dublin Banjo Club Band. 7.50 —Noel Fitzpatrick (Baritone).

BARCELONA, 7.0—Trio in B flat (Schubert) (contd. from 6.0), 7.15— News; Records, 7.45—Exchange, BARI, 7.25—For Greece: Announce-ments; Music. BERLIN, 7.0—News, 7.10—Marches and Waltzes, Station Orchestra. Conductor: Steiner. Rudelsburg und Saaleck (Gollmann). Spätsom-mertag (Löhr). Mit fliegenden Fahnen (Siede). Ballgeflüster (Meyer-Helmund). Chinese March (Henning). Du musst in meine Augen sehn (Balz-Meissner). Vor-wärts in die neue Zeit (Krückfeldt). Kapriziöser-Walzer (Richartz). Wir kämpfen (Hess).

Kapriziöser-Walzer (Richartz). Wir kämpfen (Hess). BEROMUNSTER, 7.0—Talk : Young Mozart. 7.10—"Thamos, König in Agypten "—Historical Play with Music by Mozart (arr. Meckbach). Berne Municipal Orchestra. Con-ductor : Lertz. BORDEAUX-LAFAYETTE, 7.45— Talk : Schools for Sub-normal Children

Talk : Schools C. Children. BRATISLAVA, 7.0—Dance Music. 7.5—Russian Mixed Choir. 7.30—

Comedy. BRESLAU, 7.0—News. 7.10—"The Wanderer"—Cantata (Buchal). Station Choir and Orchestra. Con-ductor: Prade. Bertermann (Bari-tone); Gaupp (Speaker). BRNO, 7.40—Station Orchestra. Con-demon: Uporta

BRNO, 7.40—Station Orenestra. Con-ductor: Janota. BRUSSELS (No. 1), 7.0—Book-keeping. 7.15—Three Arias, "Figaro" (Mozart), by Stany Paillot and Madeleine Clairy. 7.30—

Paillot and Madeleine Clairy. 7.30-Legal Notes; Literary Review. BRUSSELS (No. 2), 7.0-Talk; Sonata in C (Handel), Intermezzo (Macs). Andante rustique (Macs). 7.30-Wireless Notes. BUDAPEST, 7.0-Songs (Stefl Sebök). 7.15-Sports Notes, 7.30-Comedy. COLOGNE, 7.0-News, 7.10-Topical Programme, with Herkrath (Pianoforte).

Topical Programme, with Herkrath (Pianoforte). DEUTSCHLANDSENDER, 7.0 — Motto; News. 7.10—"In the Ski-ing Hut"—Sequence with Songs (Werner E. Hintz). FRANKFURT, 7.0—Time; News. 7.10—"Meissen Porcelain"— Sequence

7.10—"Meissen Porcelain"— Sequence.
HAMBURG, 7.0—News. 7.10— Organ Recital from St. Mary's Church, Lübeck. 7.30—"Fine Fellows!"—Sequence about the Hanseatic Period (Behncken).
HILVERSUM, 7.0—Organ (contd. from 6.50). 7.10—Talk. 7.30— Records. 7.37—S OS Announce-ments. 7.40—Religious Address.
HUIZEN, 7.0—Records. 7.10— Literary Talk. 7.40—News. 7.45— Records. 7.55—Haarlem Orchestra. Conductor : Schuurman. Cor Kint (Viola d'amore). Bohemian Sym-phony (Filtz). Viola d'amore Con-certo (Stamitz). Three Pieces: "Céphale et Procris" (Grétry); Overture, "William Tell" (Rossini); Scènes alsaciennes (Massenet). Hun-garian Rhapsody No. 2 (Liszt).
JUAN-LES-PINS (Radio Côte d'Azur), 7.15—Light Music; Anusement Guide. 7.40—Topical Talk. 7.50— Esperanto.
KALUNBOBGR, 7.0—Review by Per

Guide. 7.40—Topical Taix. 1.55 Esperanto. KALUNDBORG, 7.0—Review by Per Knutzon. 7.10—Records: Cam-panella (Paganin), by Yehudi Menu-hin. 7.15—Jörgen Nielsen Songs. Choir and Orchestra. Conductor: The Composer. Sanghilsen. Lands-byen. 7.40—"The First Meeting" --Sketch (Nagel), translated by Branner.

Braner. KÖNIGSBERG, 7.0—News. 7.10— "Strauss to Künneke"—Concert from the Town Halt. Conductor : Seidler. Käthe Heidersbach (Soprano) : Wittrisch (Tenor). LAHTI, 7.0—Talk. 7.15—Helsinki Station Orchestra. Conductor : Linko. Prologue and Pilgrim's Chorus (Ranta). Kaiser-Walzer (Strauss). Overture, "Hans Heiling" (Marschner). 7.45—News in Fin-nish.

LEIPZIG, 7.0-News. 7.10-Sec

Berlin. LYONS (La Doua), 7.: Review. 7.40—Lottery 7.30-Local

LYONS (L. Doua), 7.30—Local Review. 7.40—Lottery Results. 7.50—Wireless Notes. MADRID (EAJ7), 7.0—For Woman. In the Interval : Dance Music. MONTE CENERI, 7.0—Request Pro-gramme ; Orchestra : Records. MORAVSKA-OSTRAVA, 7.0—Band. 7.10—Comedy in Ostravian Dialect. MUNICH, 7.0—News. 7.10—Dance Music. Schwarzfischer Band and Station Dance Band. Conductor : Aulich.

Autoch. OSLO, 7.0-Songs. 7.5-Literary Programme, 7.35-Orchestra. Picces (Ottosen): (a) Extase d'amour, (b) Barcarolle, (c) Cupid. Inter-mezzo (Henneberg). Gavotte (Henneberg).

PARIS (Poste Parisien), 7.0—Records. 7.7—Sports Notes. 7.10—News. 7.25—Amusement Guide. 7.28— Records.

PARIS (PTT), 7.45—Talk: The National Museums. 7.53—Review of Foreign Politics. PARIS (Radio-Paris), 7.0—Talk: Algeria. 7.15—Political Review. 7.30—Topical Talk. PRAGUE, 7.0—"Jenufa"—Opera (contd. from 6.30). RADIO-NORMANDIE, 7.0—Light Music

[JANUARY 25, 1935

"Turandot" (Puccini). Marcb and Chorus, "Carmen" (Bizet). DEUTSCHLANDSENDER, 8.0 – See 7.10 Muaich. FRANKFURT, 8.0–See 7.10 Königs-

HAMBURG, 8.0—" Fine Fellows !" —Sequence (contd. from 7.30). 8.30 —Dialect Programme. Station Choir and Vocal Quartet. Con-ductor : Gregor. Jakschtat and Germer (Songs). Grothey (Fid-dle).

die). HILVERSUM, 8.0 — Religious A4-dress. 8.10—The Bom Trio. Trioz by Handel, Lotti, Leclair, and Bsei-hoven. 8.40—Religious Address. HUIZEN, 8.0—Haarlem Orchestra (contd. from 7.5). In the Interva' at.8.45—Talk. JUAN-LES-PINS (Radio Côte d'Azur). 8.0—News. 8.15—Concert.

S.O.-News. 8.15—Concert. KALUNDBORG, 8.0—Sketch (Nagel) (contd. from 7.40). 8.10—Records of Famous Singers. 8.25—Reading (Gross). 8.45—News.

(Gross). 8.45--News. KÖNIGSBERG, 8.0-" Strauss to Künneke" (contd. from 7.10) In the Interval: Music Talk. LAHTI, 8.0-News in Swedish. LEIPZIG, 8.0-" HI Guelph, H'. LEIPZIG, 8.0-" HI Guelph, H'. LEIPZIG, 8.0-"Hi Guelph, H'. LEIPZIG, 8.0-Yhoto-graphy. 8.10-Talk: Dentistry 8.20-Aviation, 8.30-Llterary Pro-gramme.

8.20-Aviation. 8.30-Litterary Pro-gramme. MADRID (EAJ7), 8.0-For Women In the Interval at 8.15 : News. MONTE CENERI, 8.0-Request Pro-gramme (contd. from 7.0). 8.20-St. Cecilia's Choir of Lugano: Station Orchestra. Conductor: Vicari. Maria Arrigoni-Nosotti (Soprano). Choir and Soprano -Song, "Norma" (Bellini). Three Lyrics (Vicari, for Soprano and Orchestra : (a) Occhi materni, (b) Il ritorno dei morti, (c) Luccioletta vieni in terra. Choir and Soprano -Extract, "Cavalleria rusticana" (Mascagni). 8.45 - Taik : The League of Nations.

II ritorno dei morti, (c) Luccioletta vieni in terra. Choir and Soprano Extract, "Cavalleria rusticana" (Mascagni). 8.45 – Talk : The League of Nations.
MUNICH, 8.0-Dance music (cond. from 7.10). 8.40-Talk : The Smel of Mother Earth.
OSLO, 8.0-Orchestra. 8.5-Talk 8.35-News.
PARIS (Poste Parisien), 8.0-Inter-lude. 8.10-Exchange. 8.15-"Pècheur d'ombres "-Play in Four Acts (Sarment).
PARIS (PT), 8.0-Talk : Brittany and Music. 8.30-Operetta Excerpts. Conductor : Rosenthal. Extracts. "La farce du poirier" (Poise) and "Indigo" (Strauss).
PARIS (Radio-Paris), 8.0-" Miche" (E.icnne Rey). In the Intervat a 8.30: News; Weather. PRAGUE, 8.0-" Jenufa" - Opera (cond. from 6.30).
RADIO-NORMANDIE, 8.0-Topica Talk. 8.15-Monologues. 8.45-Light Music.
REYKJAVIK, 8.0-Light Music. 8.10
Wenter 8.20-Light Music. 8.10

REYKJAVIK, 8.0—Light Music, 8.10 —Weather, 8.20—Light Music, 8.50—Announcements.

ROME, 8.0—Soprano, 'Cello and Or-chestra (contd. from 7.45). In the Interval : Talk. 8.45 (approx.)— Folk Music. Conductor : Bona

olonta

Talk. 8.: Programm

Folk Music. Conductor: Bona volonta.
SOTTENS, 8.0—" The Development of Violin Music " (contd. from 7.30) 8.15—News. 8.25—" The Professor "—One-Act Play (Duvernois).
STOCKHOLM, 8.0—Orchestra (contd. from 7.30). 8.45—News.
STRASBOURG, 8.0—News and An nouncements in German. 8.15—Press Review, in German. 8.30—Roussel Festival Programme, from the Conservatoire, the Composer at the Pianoforte, with Marcells Bunlet (Songs). Brunschwig (Violin), Krauss (Flute), Mawel ('Cello). Trio in E flat. Songs: (a) La départ (b) L'heure du rétour, (c) Réponse d'une épouse sage, (d) Coeur en péril. Pianoforte and Flute: Joueur de flûte. Songs: (a) Sarabande, (b) Le kricklepte, (c) Jazz dans la nuit, (d) Light, (e) Le bacheller de Salamanque. Pianoforte and Violin: Second Sonata.
STUTTCART, 8.0—Concert (cond. formation of the same du solar second sonata.

STUTTGART, 8.0-Concert (contd. from 7.15), 8.15-Cabaret, by the Wende Band. TOULOUSE (Radio-Toulouse), 8.0-Taik, 8.15-Choir, 8.30-Solois' Programme

Programme, TURIN, 8.0-Symphony Concert, Conductor: Molinari, Artalo Satta (Pianoforte). Overture, "La Cenerentola" (Rossini). Symphon, in G (Haydn). Largo (Handel-Molinari). Pianoforte and Orches-tra: Capriccio (Stravinsky). La divina foresta (Scalero). Nocturne (Pick-Mangiagalli). [Moto perpetuo (Paganini-Molinari). In the Interval: Talk.

VIENNA, 8.0-Vienna Symphony Or-chestra (contd. from 6.30). 8.15-

RADIO-NORMANDIE, 7.0—Light Music.
ROME, 7.0—News. 7.10—Records.
7.30—Announcements. 7.45 — Soprano, 'Cello, and Orchestra. Tito Rosati ('Cello), Matilde Reyna (Soprano), and Ornella Puliti Santo-liquido (Pianoforte). Aria all'antica (Respishi). 'Cello and Orchestra : (a) Adagio (Porpora), (b) Come allora (Popper). Spanish Songs (Obradors): (a) La mi sola Laureola, (b) Al amor, (c) Corazon, a porque pasais, (d) El mayo celoso, (e) Con amores la mi madre, (f) Two Popular Songs, (g) Coplas de Curro Dulce. 'Cello and Orchestra : Kol Nidrei (Bruch).
SOTTENS, 7.0—Report on the Swiss Ski-ing Championships relayed from Grindelwald. 7.30—The Develop-ment of Violin Music—Recital by André de Ribaupierre. Sonata in F (Corelli). Sonta in E minor (Veracini). Il trillo del diavolo Tartini).

(Veracini). If this of alvation "-(Tartini). STOCKHOLM, 7.0-" Salvation "-Play (Martinson) (cond. from 6.30). 7.30-Orchestra. Conductor: Gre-villius. Frenkel (Violin). Diverti-mento (Mozart). Violin Concerto in A minor (Bach). Viennese Dances. Violin Concerto in D Becenin).

mento (Mozarl), Violin Concerto in A minor (Bach). Viennesc Dances, Violin Concerto in D (Paganini). STRASBOURG, 7.0 – Orchestra (contd. from 6.30). 7.30 – News; Announcements; Lottery Results. 7.45 – Records. STUTTCART, 7.0 – News. 7.15 – Concert from the Nibelungensaal, Mannheim, Palatinate Symphony Orchestra. Conductor: Boehe. Erna Sack (Coloratura-Soprano). Eine kleine Nachtmusik (Mozart). Songs. Ballet Suite (Reger). TOULOUSE (Radio-Touloase), 7.0 – Orchestra (cont. from 6.45). 7.10 – Orchestra (cont. from 6.55). 7.10 – Orchestra (cont. from 6.45). 7.10 – Orchestra (cont. from 6.45). 7.10 – Orchestra (cont. from 6.45). 7.10 – Orchestra (cont. from 6.30). " Las brigands" (Concensuallo). "Cavalleria rusticana" (Mascagni). Tand "La Bohéme" (Puccini). 7.30 – News; Exchange. 7.45 – Light Music. 7.50 – Talk. TURIN, 7.0 – News; Records. 7.30 – Announcements. 7.45 – Records. VIENNA, 7.0 – Vienna Symphony Orchestra (contd. from 6.30). WARSAW, 7.0 – Music Talk. 7.15 – Symphony Concert from the Phil-harmonic Hall. In the Interval : News.

8 p.m. ATHLONE, 8.0—Station Orchestra. 8.30—May Carty (Soprano). 8.45 —Talk by Alice Curtayne : St. Brigid.

Brigid. BARCELONA, 8.0—Sports Notes; Records. 8.30—News; Records.

Records. 8.30—News; Records. 8.55—Exchange. BARI, 8.0—For Greece (contd. from

BERLIN, 8.0-Bach Commemoration

7.23.
BERLIN, 8.0-Bach Commemoration Programme - Biographical Scenes of Bach's Home Circle (Althaus).
BEROMUNSTER, 8.0-Historical Play (contd. from 7.10).
8.5-News.
8.15-Report : The Ski Races at Grindelwald.
8.45-Folk Songs.
Workers' Choir.
Conductor: Gilbert, Gerty Weiss-ner (Soprano).
BORDEAUX-LAFAYETTE.
8.0 --Spanish.
8.15-News; Exchange; Lottery Results; Weather.
8.30-"Barberine".-Comedy, in Three Acts (de Musset).
BRESLAU, 8.0-- The Wanderer".-Cantata (Buchal) (contd. from 7.10).
BRNO, 8.0-Station Orchestra.
BRUSSELS (No. 1), 8.0-Radio Or-chestra.
Conductor: André. Lairac (Songs).
Overture, "It re pastore" (Mozart).
A Slay Festival (Glazu-nov).
Aria, "Sadko" (Rimsky-Korsakov).
Russian Rhapsody (Gretchaninov).
Songs; (a) Gute Nacht (Schubert).
Neapolitan Tarantella (Rossin).
Rhapsody (Liszt).
Promenade militaire (Gil-et).
BRUSSELS (No. 2), 8.0-Band

(Liszt). Promenade militaire (Gil-let). BRUSSELS (No. 2), 8.0-Band Concert from Antwerp. Con-ductor Jef Van Hoof. BUDAPEST, 8.0-Comedy. COLOGNE, 8.0-Opera Music. Station Chamber Choir and Or-chestra. Conductor : Breuer. Leiseiffer (Tenor). Overture, "Euryanthe" (Weber). Chorus, "Oberon" (Weber). Chorus, "Oberon" (Weber). Wedding Procession Music, "Lohengrin" (Wagner). Chorus, "The Master-singers" (Wagner). Prelude to Act HI. and Choruses, "La Traviata" (Verdi). Hymn to the Moon,

8 p.m. (contd.)

Relay from the Society of Authors' Congress at the Konzerthaussaal. WARSAW, 8.0—Symphony Concert (contd. from 7.15). In the Interval : Talk.

9 p.m.

9 p.m.
ATHLONE, 9.0-Talk (contd. from 8.45).
9.15-Old Jrish Music by the Station Orchestra.
9.20- "Brigdin" - presented by Peadar O Dubdha.
BARCELONA, 9.0-Chimes; Weather.
9.5-Announcements; For Searnen.
9.8-Variety.
BERLIN, 9.0-News. Sports Notes.
9.30-"The Mask" - Programme about the Pleasures of Fancy Dress (Achim von Akerman).
BEROMUNSTER, 9.0 - Folk Songs (contd. from 8.45).
BORDEAUX-LAFAYETTE, 9.0-"Barberine"-Comedy (de Musset) (contd. from 8.30).
BRATISLAVA, 9.25-News in Hungarian.
BERCHIN, 0.0 Nawa Sporte

- (contd. from 8.30).
 BRATISLAVA, 9.25-News in Hungarian.
 BRESLAU, 9.0 News. Sports Notes. 9.25-Station Dance Band. Conductor: ligner.
 BRUSSELS (No. 1), 9.0-Talk: The French Crisis. 9.15-Radio Orchestra. Conductor: André. Chamart-Houssa (Songs). Selection, "Zanetta" (Auber). Songs: (a) Poem (Ropartz), (b) Aria, "Prince Igor" (Borodin), (c) Song from Die schöne Müllerin (Schuber). Nicolette (Van Phillips). Rendezvous (Lautenschlager). Serenade, Ausencia (Arbos-Chapelier). 'Cello: Chant sans paroles (Thirion). Potpourri (Dostal).
 BRUSSELS (No. 2), 9.0 "Jonathan Swift" Play (Matthias); Translation by Mon de Goeyse.
 BUDAPEST, 9.0 News. 9.20—Ede 'Heinemann Jazz Band from the Hotel Britannia.
 COLOGNE, 9.0 News. 9.20—Theatre Review.
 DEUTSCHLANDSENDER, 9.0 News. Sports Notes. 9.45-Weather.
 FRANKFURT, 9.0 Time; News.

- News. Sports Notes. 9,43-Weather, FRANKFURT, 9.0 Time; News. 9.15-Folk Music by the Freiburg Mandoline and Guitar Society. Conductor: Köhler. 9.45-Sports Review.

NATIONAL

NATIONAL
For Time Signals, see Monday
10.15 a.m. (Droitwich) — Service.
10.40 (Droitwich) — Weather Forecast.
10.45 — "The Week in Westminster." Captain H. Balfour, M.C., M.P.
11.45 — B.C. Northern Orchestra.
11.45 — B.C. Northern Orchestra.
11.45 — "Grout and Orchestra. March.
Mary Kay (Contralto).
10. p.m. (Droitwich)—The Commodore Grand Orchestra. March.
Matador (Marchisio). Little Cupid's Dances (Grange). Shanghai Gesture (Savino). Three Celebrated Hunggrian Dances (Brahms). My heart was sleeping (Kollo). Selection,
Musical-Play Overture (LIncke).
Fairies in the Moon (Ewing). Potpouri of Viennese Songs (Dostal).
Pussy Cat's Wedding Day (Schoppe).
Chal Romano (Ketelbey).
20 (Droitwich) — Belfast Orchestra.
250—Wales v. Scotland (Rugby).
4.30 (Droitwich) — Belfast Orchestra.
51.5 — Ambrose and his Orchestra.
6.9 — "The First News."
6.30 — Sorits Talk. Tom Whittaker: "What the Dressing-room means to Football."
4.35 (ex. Droitwich) — Olive Kavann (Contrato).
7.0 — "In Town To-night."
3.0 — "The Road to St. David's." A Journey in Time and Space through South-Vest Wales by Fison Yeans.

7.30 — "The Road to St. David's." A Journey in Time and Space through South-West Wales by Filson Young.
8.30 — Music-Hail. Evelyn Laye and Parry Jones. The Cole Brothers. Ann Penn. Walter Williams and Percy Hayden. Ronald Frankau.
9.30 — "The Second News."
10.0 — B.C. Theatre Orchestra. Wilfrid Thomas (Baritone). Arab March (Ganne). Overture, The Pretty Perfume-seller (Offenbach). Dusty Shoes (Moonlight and Pretzles) (Gorney). Medley, Charm of the Waltz. Gigolette, (The Three Graces) (Lehâr). Valse Lointane, Ronde Joycuse (Simonetti). Short'nin' Bread (Wolfe). The Ghost (Sharpe). Four Russian Dances (Bright). The Song of the Drum (Ellis). Potpourri, Hippo-drome Memories.
11.0-12.0 (Droitwich)-Henry Hall's Guest Night.

- JUAN-LES-PINS (Radio Côte d'Azur), 9.0 News. 9.15–Concert.
 KALUNDBORG, 9.0–Sonata in E flat for Clarinet and Pianoforte (Brahms) by Oxenvad and Jensen. 9.25–Danish Translations of English Essays: (a) On Peace (Macaulay) (b) Parliament (Carlyle). 9.30–Juhl-Thomsen Dance Band.
 KÖNIGSBERG, 9.0 News; Sports Report. 9.20 –Dialogues on Death and Immortality from Plato's "Phaedo." 9.45–See 9.30 Stuttgart.
 LEIPZIG, 9.0 "Hi Guelph, Hi Ghibelline 1"–Play (contd. from 8.0). 9.15–News; Sports Notes.
 9.33–Chamber Music from Dresden. Bärtich Quartet with Dengler (Guitar). Quintet in C for Guitar, Two Violins, Viola and 'Cello (Schnabel). Five Folk Songs for String Quartet (arr, Kässmeyer).
 LYONS (La Doua), 9.0–Literary Programme; News.
 MADRID (EA47), 9.0–Station Sextet. In the Intervals: Literary Extracts. Extracts. Extracts. MUNICH, 9.0—News; Exchange; Sports Report. 9.20—To be Sports Report. 9.20—To be announced.
 OSLO, 9.0—Topical Talk. 9.15—Chamber Music. Sonata for Flute, Oboe and Pianoforte (Lociliet). Zweigespräch for Oboe and Clarinet (Hamm). Dreigespräch for Flute, Oboe and Clarinet (Hamm).
 PARIS (Poste Parisien), 9.0 — "Pecheur d'ombres "—Play (contd. from 8.15).
 PARIS (PTT), 9.0—Operetta Music (contd. from 8.30).
 PARIS (Radio-Paris), 9.0—" Miche "—Play (Rey) (contd. from 8.0). In the interval at 9.15 : News ; Sports ; Diatettics.

PRAGUE, 9.0—News; Sports Notes. 9.15—Records. 9.20—Snow Report. 9.25—Records. 9.30-9.45— Russian News. RADIO-NORMANDIE, 9.0—Con-

REGIONAL

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For Time Signals, see Monday
10.45-10.45 a.m. (except Midland)— Droitwich.
10.45—The Scottish Studio Orchestra.
11.45—Cinema Organ (Sydney Gustard).
12.15 p.m.—Dance Records.
1.0-2.0 (ex. Midland)—Droitwich.
2.0—Enema Organ (Donald Thorne).
3.0—Cinema Organ (Donald Thorne).
3.0—Cinema Organ (Donald Thorne).
3.0—The Charles Ernesco Quintet.
4.30 (ex. Midland)—Television.
5.15—The Children's Hour.
6.0— (Regional, Midland) — The Cedric Sharpe Sextet.
6.30 (Northern)—Programme Diary.
6.30 (Northern)—Programme Diary.
6.30 (Northern)—Records.
6.30 (Northern) — The Marleys of Tyneside."
6.45 (Western) — See Droitwich.
6.50 (N. Ireland) — Irish Songs.
6.55 (Scottish) — Account of Motherwell v. St. Johnstone.
6.45 (Western) — See Droitwich.
6.50 (N. Ireland) — Irish Songs.
6.53 (Scottish) — Studio Orchestra.
7.0 (Western) — Studio Orchestra.
7.0 (Western) — Studio Orchestra.
7.6 (Nichern) — Wireless Orchestra.
7.6 (Nichern) — Wireless Orchestra.
7.6 (Nichern) — Bristol Police Band.
Elsie Griffin (Soprano).
7.40 (N. Ireland)—Sea Log.—3.
7.5 (Regional, Scottish, N. Ireland)— Conversations in the Train—5.
8.45 (Regional, West, N. Ireland)— Conversations in the Train—5.
8.45 (Regional, West, N. Ireland)— Conversations in the Train—5.
8.45 (Regional, West, N. Ireland)— Conversations in the Train—5.
8.45 (Regional, Midland, N. Ireland)— Conversations in the Train—5.
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8.45 (Regional, Midlan

9.55 – Talk : Modern Interior Decoration. HUIZEN, 9.0 – Haarlem Orchestra (contd. from 7.55). JUAN-LES-PINS (Radio Côte d'Azur), 9.0 – News. 9.15–

WORLD-RADIO

HAMBURG, 9.0 — News. 9.25— Talk : January Sports. 9.40— Musical Programme. HILVERSUM, 9.0—Religious Address. 9.10—Trio (contd. from 8.10), 9.40—Church Notes ; News. 9.55 — Talk : Modern Interior Decoration REYKJAVIK, 9.0-Time ; News.

Non-Variety.
 Non-Variety.
 ROME, 9.0—Folk Music (contd. from 8.45).
 SOTTENS, 9.0-9.15—"The Professor "(Duvernois) (contd. from 8.25).
 STOCKHOLM, 9.0—Light Music.
 STRASBOURG, 9.0 — Roussel Exercised Programme (contd. from 8.25).

Festival Programme (contd. from 8.30). In the Interval : Press

8.30). In the Review. STUTTGART, 9.0 — News; Sports Report. 9.30.—" Musical Crackers." Wende Dance Band. TOULOUSE (Radio-Toulouse), 9.0— "Universited the la route" — Fantasy.

- WARSAW, 9.0 Symphony Concert (contd. from 7.15). 9.30—Recita-tions. 9.40—Announcements.

10 p.m.

- ATHLONE, 10.0-Variety. 10.30-Time; News; Weather. 10.40-M. J. Morros (Traditional Fiddle): BARCELONA, 10.0-News. 10.5-
- Orchestra. BERLIN, 10.0-10.30—"The Mask." (Achim von Akerman) (contd. from

- (Achim von Akerman) (contd. from 9.30). BORDEAUX LAFAYETTE, 10.0 (approx)--Amusement Guide. BRESLAU, 10.0-Dance Music. BRUSSELS (No. 1), 10.0-News. 10.10-Request Records. 10.45-Com-mentary on the Six Days' Cycle Race from the Palais des Sports. BRUSSELS (No. 2), 10.0-News. 10.10-Commentary on the Six Days' Bicycle Race from the Palais des Sports. 10.30-Dance Records. BUDAPEST, 10.0-Jazz Band (contd. from 9.20). 10.10-Elemér Sárai Cigány Band. COLOGNE, 10.0-Dance Records. DEUTSCHLANDSENDER, 10.0-Records.

Records. FRANKFURT, * 10.0—" Sepp the Poacher "—One-Act Play after Lud-wig Thoma's Book (Metzger). HAMBURG, 10.0—Station Orchestra. Conductor : Maasz (Pianoforte); Hamann (Violin); Eggers (Obce). German March (Kaun). Comedy

Overture (Reznicek). Dances in Old Style (Kool). Obec and Piano-forte 2 Bagatelles (Haas). Polkina (Reesen). Swedish Rhapsody (Lindberg). Violin and Pianoforte ; Capriccio (Lessle). Delirien-Walzer

Capricio (Lessie), Johnstein and (Strauss). HILVERSUM, 10.0—Talk (contd. from 9.55), 10.40—Report on the Brussels Six Days' Cycle Race. HUIZEN, 10.0—Haarlem Orchestra (contd, from -7.55), 10:5—News. 10.10—Records. KALUNDBORG, 10.0—Juhl Thomsen Dance Rand.

- Dance Band.
- Dance Band. KÖNIGSBERG, 10.0—See Stuttgart. LEIPZIG, 10.0—Chamber Music (contd. from 9.35). 10.15—See 10.0 Hamburg. MADRID (EAJ7), 10.0—Chimes. 10.5 —News. 10.15—Relay from a
- Theatre. MUNICH, 10.0-Serenade, Schwarz
- MCINICH, 10.0—Serenade. Schwarz Orchestra.
 PARIS (Poste Parisien), 10.0— "Pêcheur d'ombres'"—Play (contd. frbm 8.15). 10.30—Records : Light Music.
- Music. PARIS (PTT), 10.0--Operetta Music (contd. from 8.30). PARIS (Radio-Paris), 10.0--" Miche" --Play (Rey) (contd. from 8.0). 10.30-Dance Music.
- PARIS (Rey) (contd. from sec. --Play (Rey) (contd. from sec. 10.30-Dance Music. RADIO NORMANDIE, 10.0-Con-cert : Dance Music. REYKJAVIK, 10.0-Variety. ROME, 10.0-News. STRASBOURG, 10.0-Roussel Fes-tival Programme (contd. from 9.30)

- STUTTGART, 10.0—"Ruissei restival Programme (contd. -from 8.30).
 STUTTGART, 10.0—"Musical Crackers." Wende Dance Band.
 TOULOUSE (Radio-Touloase), 10.0—"Au caveau de dix heures "—Fantasy.
 10.10—Selection, "White Horse Inn" (Stolz-Benatzky). -10.15—News. 10.30—Operetta Songs.
 Songs, Veronique "(Messager), "Le postilion de Longjumeau" (Adam), "Les saltimbanques."
 (Ganne), "The Drum-maior's Daughter "(Offenbach) and "Deshabiltez-vous "(Mercier).
 TURIN, 10.0—News. 10.10—Announcements in Spanish.
 VIENNA, 10.0—News. 10.5—Vienna Symphony Orchestra. Conductor : Holzer. March (Buganji). Overture, Das erste Rendez-vous (Schulz), Potpourit, Perlen vom Donaustrand (Uhl). Folk Song (Domanig-Roll).
 Waltz, "Die Faschingsfee" (Kal-

(Abraham).

songs, etc.

(Follereau).

berg, National.

Leipzig, etc. : Variety. Prague : Revue. Brussels No. 2.: Cabaret. National : Music Hall.

MISCELLANEOUS

CHAMBER MUSIC

P.M.

6.0

6.0

6.10

4.20

5.15

5.30 6.30

6.40

7.45 PLAY

P.M.

8.15

TALK

7.45

4.0

7.10 7.45

8.0

8.30

8.30

9.0

DANCE MUSIC

RECITALS

FRIDAY Feb. 1

man). Sie und Er (Streicher). Song : Komm' schenk' mir dein Vertrauen (Danberg), Marching Song : In Meidling steht ein Kastanienbaum (Flemming). Selection. "White Horse Inn" (Stol2-Benatzky). WARSAW, 10.5—Dance Records.

11 p.m.

- BARCELONA, 11.0-Orchestra. BRUSSELS (No. 1), 11.0-La Bra-
- bulconne. BUDAPEST, 11.0—Cigány Band (contd. from 10.10). 11.5—News. FRANKFURT, 11.0—Serenade on Percords

- RAANKFURI, 11.0-JSteinaut J. Records, HUIZEN, 11.0-11.10-Records, KALUNDBORG, 11.0-11.30 Chimes; Juhi Thomsen Dance Band, MADRID (EAJ7), 11.0-Theatre Relay (contd. from 10.15). In the Interval at 11.45: News, PARIS (PTT), 11.0-News; Dance Music.
- Music. PARIS (Radio-Paris), 11.0—Dance
- Music. PARIS (Radio-Paris), 11.0—Dance Music. RADIO NORMANDIE, 11.0— Dance Music. STUTTGART, 11.0—See Frankfurt. TOULOUSE (Radio-Toulouse), 11.0— Military Band. Roses from the South (Strauss). Old Comrades (Teike). Danse des plebieens (Mas-suet). York March (Beethoven). 11.15—Folk Music. 11.30—Operetta Music. Overture, "The Daughter of the Regiment" (Donizetti). Selection, "La favvette du temple": (Messager). Aria, "The Rose of France" (Romberg). Aria, "Madame Pompadour" (Fall). 11.50—Light Music. VIENNA, 11.0—Records : Austrian Dance Music. WARSAW, 11.0—Dance Music.

12 midnight

BARCELONA, 12.0—News. FRANKFURT, 12.0—Serenade on

FRANKFURI, 12.0-00.20 MADRID (EAJ7), 12.0-Theatrè Relay (contd. from 10.15). STUTTGART, 12.0-See Frankfurt. TOULOUSE (Radio-Toulouse), 12.0-News. 12.5-12.30-Songs.

Berlin : Clarinet Quintet (Brahms). Cologne, Frankfurt : Quartet (Haydn),

Leipzig : Violin, pianoforte, harmonium. Warsaw : Pianoforte ; 6.0, Viola.

Poste Parisien : "Petite Poupée"

Warsaw; 5.0, Brussels No. 1; 5.30, Budapest; 9.0, Poste Parisien, Stock-holm; 9.15, Beromünster, Warsaw;

holm; 9.15, Beromünster, Warsaw; 9.20, Leipzig; 9.25, Sottens; 9.35, Breslau, Berlin, etc.; 9.50, Vienna; 10.0, Kalundborg; 10.10, Brussels Nos. 1, 2, Regional; 10.30 (app.), Paris PTT), Radio-Paris, Strasbourg.; 11.0, Königs-

Strasbourg : Alsatian evening. Brussels No. 1, 2, Hilversum (10.55) : The Six Days' Race.

Sottens : Talk on Greek Art.

Königsberg : String Sextet (Dvořák).

Königsberg : Organ. Brussels No. 1 : Pianoforte (Jongen). Vienna : Liszt pianoforte sonata. Rome : Organ.

SATURDAY February2 PRINCIPAL EVENTS SYMPHONY CONCERTS Radio-Paris : "Victoria and her Hussar" 8.0

P.M.

- Hilversum: The Rotterdam Philhar-monic, Bartók (pianoforte). Hilversum : 3.10
- Paris (PTT), Strasbourg : Pasdeloup 5.0 concert.
- Stuttgart, Frankfurt : Baden Baden Or-II.O chestra. LIGHT CONCERTS
- A.M.

7.55

8.0

6.40

7.10 7.45

OPERETTAS

Wells). Rome ;

(Teatro Reale).

- 11.15 Warsaw : In honour of the President. P.M.
- 2.0
- 3.0
- 5.15
- Kalundborg : Preil's Ensemble. Hamburg : Orchestra, songs. Leipzig : Wind band. Hamburg : From opera and operetta. Stockholm : Dances. 6.30
- 7.0
- Warsaw: Folk-songs and dances. Hilversum: Variety concert. Brussels No. I : Belgian music.
- 7.43 8.0
- 8.0
- 8.10 8.20
- Warsaw: Opera music. Beromünster: Male Voice Choir. Sottens: Operetta programme. Paris (PTT): Orchestra, pianoforte, 8.30 song. Kalundborg : Leo Fall music.

Lonjumeau " (Adam). Regional : "Tosca," Act I (Sadler's

Budapest : " Les Cloches de Corneville "

(Planquette). Frankfurt : "Frühlingsluft " (Reiterer). Turin : "Farewell, Youth" (Pietri).

"Don Giovanni" (Mozart),

- 8.40
- 9.30
- Brussels No. 1 : Radio orchestra. Brussels No. 2 : Sousa, Lehár, etc. 9.30
- OPERAS 6.30 Deutschlandsender : "Le Postillon de Gadler's Budapest : Cigány Band Parádi.

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SATURDAY Feb. 2

Hours of Transmission in Greenwich Mean Time.

5 a.m. - 8 a.m.

BARCELONA, 7.15-News; Records. 8.0-Chimes; Records. 8.20-News; Records. BERLIN, 5.15 - Gym. 5.30-Weather; Meditation. 5.35-7.0-See Königsberg. 7.0-Gym. BEROMÜNSTER, 5.30 - Gym. BRATISLAVA, 8.45-Announcements

- BRATISLAVA, 8:43-Annotate ments. BRESLAU, 5.0-Weather; Gym. 5.25-Hymn; Motto. 5.35-Band. Conductor: Weisshaupt. 8.0-News. 8.15-Records. BUDAPEST, 5.45 Gym.; Re-cords. 8.15-News. COLOGNE, 5.0-Records. 5.45-Gym. 6.0-Weather; Talk. 6.15 -Concert from Breslau. 7.0-Water Level. 7.30-Weather. 7.35 -Gym. 7.50-Talk: Porcelain and Ceramic Art. Water Levet. -Gym. 7.50-Tain. and Ceramic Art. 5.0-DEUTSCHLANDSENDER, 5.0-Gym. 5.15-Gym. Weather; News. 5.15-Gym. Weather; News. 5.45-Gym. 8.40-
- and Ceramic Art. DEUTSCHLANDSENDER, 5.0 ---Weather; News, 5.15-Gym, 5.30-Motto; Hymn, 5.35--Records, 7.45-Gym, 8.40--Talk: Training for Dancers. FRANKFURT, 5.0 -- For Farmers, 5.15-Gym, 5.50-Weather, 5.55 --Motto; Hymn, 6.0-7.10-See Stuttgart, 7.10--Water Level; Weather, 7.15-Gym, 8.0--News, 8.15-Concert. HAMBURG, 5.0-Time; Weather; Markets, 5.15-Gym, 5.30--Time; Weather, 5.35-7.0-See Königsberg, 7.0-Cookery Hints, 7.10-lee Report, 7.15-7.45-Announcements; Records. HUZEN, 7.40-8.55-Records. HUIZEN, 7.40-8.55-Records. HUIZEN, 7.40-8.55-Records. KALUNDBORG, 6.0-Gym, 7.30-Service from Copenhagen Cathedral. KÖNIGSBERG, 5.15-Gym, 5.35-Band, Conductor: Knüppel, 7.0 -Prayers, 7.30-Gym, for Women.

- Women. LEIPZIG, 5.5—For Farmers. 5.15 —Gym. 5.35-7.0—See Königsberg., 7.0—Gym. 7.20—8.0—Records. 8:55 Weather; Water Level; Economic Notes; Programme Announcements
- MUNICH, 5.40—Gym. 5.55—Motto 6.0—See Stuttgart. 7.15-7.35— 6.0—See Gym.
- Gym. PARIS. (Poste Parisien), 7.10– Fanfare; Records. In the interval, at 7.30–News. 8.0–Records. In the interval at 8.20–News. 8.45 –Cookery Hints. PARIS (PTT), 8.0–Press Review;
- News.
- News. PARIS (Radio-Paris), 6.45–Gym. 7.0–Records. 7.15–News. 7.45– Gym. 8.0–Records. PRAGUE, 5.15–Gym; Music. 6.0–Music; News. 8.50–News.
- 0.0—MUSIC; News. 8.50—News.
 RADIO-NORMANDIE, 7.15—Records. In the interval at 7.20—News. 8.0—Record. 8.3—Serial Story. 8.12-8.15—Record.
 POME 70.715 Naws
- ROME. 7.0-7.15-News.
- SOTTENS, 6.0-6.15-Gym.
- STOCKHOLM, 6.20-Gym. 6.45-
- Service. STUTTGART, 5.0—For Farmers; Weather. 5.10—Hymn; Motto. 5.15—Gym. 5.30—Time; Wea-ther. 5.35—Gym.' 6.0—Records. 7.15—Gym.' 7.35—Records. 7.50 —Weather; Water Level. TOULOUSE (Radio-Toulouse), 8.0— Dance Refrains. 8.30—News. 8.35—Orchestra. 8.45—Songs. TURIN, 6.45—Gym. 7.0-7.15— News.
- News. VIENNA, 8.0 News. 8.20– Market Report. 8.30–Weather. WARSAW, 8.0–Hymn; Records; Gym; Records; News.

9 a.m.

- BARCELONA, 9.0 Chimes ; Obituary.
- Obituary. BELGRADE, 9.45 Announce-ments. 9.50—Water Level. BERLIN, 9.0 News; Markets. 9.30—Records. BRATISLAVA, 9.10—News in Hungripe.

- BRAIISLAVA, Hungarian. BRESLAU, 9.15—"Burg Greiffen-stein "—Play for Schools. 9.45— For Children. BUDAPEST, 9.0—Mass and Sermon. COLOCHE 9.0—News. 9.10—
- COLOGNE, 9.0-News. 9.10-For Children. 9.30-Topical Talks.
- DEUTSCHLANDSENDER, 9.0-News. 9.15-" Das kalte-herz."-Play for Children. 9.45-For Children.

FRANKFURT, 9.0 — News. HAMBURG, 9.50—News. HILVERSUM, 9.0—Records. 9.40— Religious Programme. 9.55— Light Music. HUIZEN, 9.40 — Records. KALUNDBORG, 9.15 — Talk for School

KÖNIGSBERG, 9.40-Weather ;

KONIGSBERG, 9.40—Weather; News.
LEIPZIG, 9.15-9.45—For Schools.
MUNICH, 9.15-"The Munich Schäftlertanz" — a Sequence (Grete Anders), 9.30—Markets.
PRAGUE, 9.0 — News. 9.5. — News in German. 9.10—Record. 9.15— Bernhard-Orchestra. 9.50—Talk: Family Life.
ROME, 9.30-9.50—For Schools.
STUTTGART, 9.0 — News. 9.15— "Snow White and Rose Red"— a Fairy Play (arr. Hofmeier). 9.45— Suite for Organ (Fröhlich) by Wilhelm Locks, from the Palace Cinema. 9.55—Heinrich Neal Planoforte Music, by Aanegrete Paula Jessberger. Paula Jessberger. TURIN, 9.30—For Schools. WARSAW, 9.0 — Roman Catholic

Service.

10 a.m.

BELGRADE, 10.0-Records.

BERLIN, 10.0-Exchange. BRATISLAVA, 10.0-Water Level. BRESLAU, 10.0-10.10-For Children

10.30—News. BUDAPEST, 10.0—Mass (contd. from 9.0). 10.15-Greek Orthodox Service.

COLOGNE, 10.0 — Topical Talks. 10.30—Announcements. 10.30—Afnouncements. DEUTSCHLANDSENDER, 10.0 — For Children. 10.15—Weather, 10.30—Talk on Science. 10.40— For Country People. FRANKFURT, 10.0—Concert. 10.30 —Programme and Industrial An-nouncements; Weather. 10.45— Announcements.

HAMBURG, 10.0—Talk for Young People : Camp Fires. 10.30—See Konischer

People : C Königsber HILVERSUM, 10.0-Light Music

HUIZEN, 10.0-Records. 10.10-Concert, 10.40-Records.

KALUNDBORG, 10.0 – Weather. 10.10–Fish Prices. 10.15-10.45– Geography for Schools.

IU.IU—FISH PITCES. 10.15-10.45— Geography for Schools.
 KÖNIGSBERG, 10.5—For Farmers : Flax-Growing in East Prussia.
 10.30—Königsberg Opera House Orchestra. Conductor ; Brückner. Ein Karnevalsfest (Kaun). Waltz, España (Waldieufel). Overture, "Light Cavalry" (Suppé). Selec-tion, "Der Bettelstudent" (Mil-löcker). Scèncs gitanes (Bizet). Dreams on the Ocean (Gungl). March, Auf treue Kameradschaft (Blankenburg).
 LEIPZIG, 10.0 — Announcements ; Records. 10.30—News; Time ; Weather. 10.45—For Farmers.
 LYONS (La Doua), 10.30—Records : Light Music.
 MORAVSKÁ-OSTRAVA, 10.0—Re

Light Music. MORAVSKÁ-OSTRAVA, 10.0—Re-cords. 10.5—Police Band. Con-ductor : Sochor. MUNICH, 10.0—Talk : Peasant Cus-toms in the Upper Palatinate. 10.20 —News. 10.30—Records ; An-nouncements. OSLO. 10.15—Service. 10.50

NOUNCE OSLO, 10.15—Service. Exchange. PRAGUE, 10.0—Record. 10.5— See Moravská-Ostrava. 10.55—For See Moravská-Ostrava. 10.55—Cotton

Farmers. STRASBOURG, 10.45 — Cotton Prices; Records. STUTIGART, 10.0 — Pianoforte (contd. from 9.55). 10.15—Re-cords. 10.45 — Weather; For Farmers. TURIN, 10.30—Trio. VIENDIA. 10.20 Weathers. Water

VIENNA, 10.30–Jrio. VIENNA, 10.20–Weather; Water Level. 10.30–Talk for Women. 10.55–Weather. WARSAW, 10.0–Service (contd. from 9.0); Records.

11 a.m.

BARCELONA, 11.0—Weather. BELGRADE, 11.0—Station Orchestra. 11.35—Announcements. 11.45— Exchange.

ERCHANGE. BERCHUN, 11.0—See 10.30 Königsberg. BEROMUNSTER, 11.0 — Records : Male Voice Choir, 11.29—Time; News. 11.40—Light Music on Records.

Records. BRATISLAVA, 11.0—For Farmers. 11.10 — Local News in Slovak, 11.15—Records. BRESLAU, 11.0—Station Orchestra. Conductor: Rischa. Overture, "The Sizge of Corinth "(Rossini), Potpourri of Chopin Melodies (Fried). Gopak (Tchaikovsky). Swabian Rhapsody (Kämpfert). Nor-

egian Folk Melody (Svendsen) wegian Folk Melody (Svendsen). Minuet (Paderewski). Military March No. 1 (Schubert). Trau, Schau, Wem (Strauss). Im Wind und Wetter (UrJach). Overture, "Der Fröschkönig" (Rust). Waltz, Second Serenade (Volkmann). Mat-tinata fiorentina (Culotta). Don Quixote (Rupprecht). Festlicher Aufzug (Theil). Spanish Waltz, Malaga (Scntis). Unter dem Doppe-ladler (Wagner).

BRNO, 11.0—For Farmers. 11.35— Station Orchestra. Conductor: Bakala. Festival Polonaise (Cui). Selection, "Iolanthe" (Tchaikov-sky). Turkish March (Mussorgsky). Czech Song Potpourri (Konrád). Waltz (Weis). March (Sebor).

BUDAPEST, 11.0—Chimes from the University Church. 11.20—Time;

HAMBURG, 11.0-Markets ; Time ; Weather. 11.10-See 10.30 Königs-

berg. HILVERSUM, 11.0—Light. Music. 11.40—Klijn (Violin) and Schoute (Pianoforte). Sonata in E minor (Corelli). Sicilienne (Paradis-Dush-kin). Allegro (Focco). 11.55— Mélodie puritaine (Bassi), by Heide (Clarinet) and Schoute (Pianoforte).

HUIZEN, 11.0—Records. 11.10— Religious Address. 11.40—Police Messages. 11.55—Records.

KALUNDBORG, 11.0—Chimes. 11.2 —Nielsen String-Ensemble.

KÖNIGSBERG, 11.0 — Orchestra (contd. from 10.30).

Weather. berg.

(Baumgart). March (Schönian). Marching Song, Schön blühn die Heckentosen (Glessner-Fischer). Marching Song, Wir halten treu zu dir (Ostermann). Potpourri of Marches, Mein Regiment, Mein Vaterland (Leuschner). Marching Song, Deutscher Sport ist deutsche Kraft (Leonard-Frey).
MONTE CENERI. 11.0—Announce-ments. 11.5—Station Orchestra. March (Arthur). Waltz (Gung). Overture, "The Caliph of Bagdad" (Boieldieu). Gipsy Song. Marinka (Mariotti). Tyrolese Songs and Dances (Fetras). Intermezzo (Rhode). Gallop (Strauss). In the Interval at 11.29: Time; Weather. 11.55—News.

MORAVSKÁ-OSTRAVA, 11.0-For

Farmers. MUNICH, 11.0—Concert. Part I.

A scene from "Victoria and her Hussar," which Radio-Paris broadcasts at 8.0 p.m.

Munich Schrammel Band. Heil Europa (Blon). Love me (Becucci). Dornröschens Brautfahrt (Rhode). Frühling im Wienerwald (Strecker). Paraphrase on Ein Vöglein sang im Lindenbaum (Eberle). March. Part Heidenröslein (Werner). Das Ringlein (Nagel). Serenade. Folk Song, Kommt a Vogerl geflogen. Carinthian Hunter's Song, Swabian Folk Song, Muss i denn zum Städtle 'naus. Part III. Records. The Gladiators' Farewell (Blankenburg). Overture, "The Daughter of the Regiment" (Donizetti). Waltz, Künstlerleben(Strauss). Der Hohen-friedberger. Weather. 11.30-Opera House Orchestra. Conductor: Rajter. COLOGNE, 11.0-See Breslau. DEUTSCHLANDSENDER, 11.0 -DEUTSCHLANDSENDER, 11.0 – See Frankfurt, FRANKFURT, 11.0 – Orchestra. Con-ductor: Wilde. March, Hoch meine Musika (Blankenburg). Over-ture, "La Vestale" (Spontini). Waltz, Primavera (Fatuo). Inter-mezzo, Akelei (Gangiberger). Dolo-rosa (Lindemann). Overture, "Le cheval de bronze" (Auber). Waltz, Red Roses (Lehár). Serenade, Unter deinem Balkon (Wissmar). Potpourti of Hungarian Marches (Pecsi).

friedberger PARIS (PTT), 11.0-Orchestra

- PRAGUE, 11.0—Time ; Forestry. 11.10—Records. 11.25—News. 11.35 —See Brno.
- RADIO-NORMANDIE, 11.30--Or-chestra. Overture, "Das Opernball" (Heuberger). Selection, "The Flute of Sans-Souci" (Graener), The Nut-cracker Suite (Tchai-kovsky). Borel Clerc Potpourri. ROME, 11.30-Records.

SOTTENS, 11.29-Time. 11.40-Records.

- STOCKHOLM, 11.30 Weather. 11.45-Exchange.
- STRASBOURG, 11.0-Orchestra.
- (contd. from 10.30).
 LEIPZIG, 11.0—Records: Song, Sachs, halte Wacht (Czikeli). West-falenlied (Peters). Song (Grote). Auf den Bergen wohnt die Freiheit (Krapfer). Victoria March (Blon). Prinz Eugen-Marsch (Strauss). Pot-pourri of Marching Songs, Singende Bataillone (Robrecht). Seeräuber-lied (Keller). Wann wir schreiten Seit' an Seit'. Deutscher Piloten-Marsch (Krüger). Bruno Loerzer-Marsch (Buder). Motorstaffellied STUTTGART, 11.0-See Frankfurt. TURIN, 11.30-Records. 11.45-

VIENNA, 11:0--Orchestra. Conduc-tor: Himmer. Overture, "Zampa" (Hérold). Waltz, "Liebeim Schnee" (Benatzky). Zwiegespräch (Kahnt). Selection, "Das Nachtlager in Granada" (Kreutzer). Fantasia on Gounod's "Tribut de Zamora" (Weninger). Waltz, "Donausagen

[JANUARY 25, 1935

(Fučík). Bleisoldaten (Kockert). Ein Melodien-Festzug (Lenz). WARSAW, 11.5—Theatre Notes, 11.45 —Concert in Honour of President Moscicki, relayed from the Phil-harmonic Hall. The Philharmonic Orchestra and Soloists.

12 noon

BARCELONA, 12.0—Chimes; For Women. 12.45—Records. BELGRADE, 12.0—News. 12.15— Songs with Orchestra. 12.40— News; Time.

News Time.
BERLIN, 12.0-Mid-day Echoes.
12.15-Records of Operetta and Sound Film Musice Selection, "Frasquita" (Lehar). Tango and Foxtrot, "Die englishe Heirat" (Doelle-Balz). Songs, "Die Vielgeliebte" (Dostal). Waltz and Foxtrot, "Ich kean dich nicht und liebe dich" (Grothe-Dehmel). Two Foxtrots, "Lauf ins Glück" (Raymond). Waltz and Foxtrot, "What good am I without you" (Meisel-Schwenn).

- good am I without you " (Meisel-Schwenn).
 BEROMÜNSTER, 12.0 Records.
 12.25—Time; Weather; Exchange.
 12.30—Talk: The Work of the League of Nations. 12.45—Request Programme.
 BORDEAUX-LAFAYETTE, 12.0 News; Records. 12.15—Orchestra. Conductor: Guitraud. French Canadian March (Brely). Overture, "La vie joyeuse" (Hirschmann). Overture, "Abencérages" (Cherubini). Extracts from "Agnès, dame galante" (Février). Selection, "L'amour mouillé" (Varney). Selection, "L'amour mouillé" (Varney). Selection, "L'amour Mouster (Strauss). Pavane (Bruneau). One-Step (Kinley). Lagunenwalzer (Strauss). Pavane (Bruneau). One-Step (Boyer).
 BRATISLAVA, 12.45—News in German and Hungarian.
 BRESLAU, 12.15—News.
- BRESLAU, 12.15-News.

- BRESLAU, 12.15—News.
 BRNO, 12.0—Orchestra (contd. from 11.35), 12.35—For Workers. 12.45—Markets. 12.50—Record.
 BRUSSELS (No. 1), 12.0—Leo Fall Records for the Anniversary of the Composer's Birth. Selection, "The Rose of Stamboul." Extracts, "Madame Pompadour." Selection, "Der liebe Augustin " and "The Dollar Princess." 12.30—Radio Orchestra. Conductor: Gason. Le carnaval des animaux (Saint-Sačns). Overture, "The Siege of, Corinth" (Rossin). Waltz (Godard). Farandole "L'Arlésienne" (Bizet). (Bizet).
- Colmitti Farandole "L'Arlésienne" (Bizet).
 BRUSSELS (No. 2), 12.0-Records.
 Potpourri of Maurice Chevalier Songs (arr. Phillips). La vraie valse à Fredo (Puig). Serenade (Mosz-kowsky). Waltz, L'oasis (Péguri). The Canary (Poliakin). Blues, Cadence and Stomp (Rosenthal).
 Parade des poupées de thé (Noiret).
 12.30-Orchestra. Conductor : Wal-pot. Ferari (Violin). March, Der Tausendkünstler (Blankenburg).
 Waltz (Ziehrer). Overture, "Fra Diavolo" (Auber). Waltz Pot-pourri (Morena). Selection, "Les saltimbanques" (Ganne). Nea-politan Dance (Desormes). Selec-tion, "Les mousquetaires au cou-vent "(Varney). Violin : Czardas (Monti). Potpourri (Noack).
 BUDAPEST, 12.0-Orchestra (contd. from 11.30).
 COLOGNE, 12.0-News ; Greetings. 12.25-See Munich.
 DEUTSCHLANDSENDER, 12.0 -Greetings. 12.10-See Leipzig. 12.45-News.
 FRANKFURT, 12.0-See Stuttgart. 12.15-News.

FRANKFURT, 12.0—See Stuttgart. 12.15—Variety.

HAMBURG, 12.0-Weather; Ship-ping. 12.10-Music.

ping. 12.10—Music. HILVERSUM, 12.0—Mélodie puri-taine (Bassi) (contd. from 11.55). 12.10—Light Music. Conductor: v. d. Horst. Gold and Silver (Lehár). Musique printanière (La-combe). Tanz der Schmetterlinge (Schmalstich). Under the Palm Tree (Albeniz). Dreans on the Ocean (Gungl). Strauss March Potpourri (Mezzacapo). 12.40— Light Music. Conductor : Steyn.

Light Music. Conductor : Steyn. HUIZEN, 12.0-Records. 12.10-K.R.O. Orchestra. Conductor: van 't Woud. Carolita (Levisohn). Overture, Quo vadis (Scassola). Atlantis (Safranek). Two Hungarian Dances (Brahms). Records. The Grand Mogol (Luders). In the Cabbase Patch (Logan). Four Poetic Album Leaves (Sanger). Camilla (Bone). Obertas (Wieni-awski). Panache rouge (Grit). MIAN-L'ES-PINS (Radio Cáte d'Azur)

JUAN-LES-PINS (Radio Côte d'Azur), 12.15—Concert. Puccini Potpourri. Selection, "Der Rosenkavalier" (Strauss). 12.30—Cinema Notes; Sound Film Songs

12 noon (contd.)

KALUNDBORG, 12.0-Nielsen String Ensembl

- KÚNIGSBERG, 12.5-Micisch Julig Ensemble.
 KÚNIGSBERG, 12.1 Time; Weather, 12.5-Records. Selection, "A Masked Ball" (Verdi). Mat-tinata (Leoncavallo). Dolores (Waldteufel). Overture, "Don Pasquale" (Donizetti). Soprano Solos: (a) Klänge der Heimat, (b) So elend und so treu (Strauss). In a Clock Store (Orth). A Hunt in the Black Forest (Völker). Ein wandernder Geselle (Kienzl-Sallet). Kamerad komm (Klughardt). On Lake Como (Galos). Musikalische Wandelpanorama (Lincke). Frei weg (Latann). Old Comrades (Teike).
- (Teike). LEIPZIG, 12.0—News; Time; Weather, 12.10—Leipzig Sym-phony Orchestra. Conductor; Weber. Overture, "Aladdin" (Reinecke). Second Suite, "Peer Gynt" (Grieg). Polonaise in E (Liszt). Gruss an Wien (von Baussnern). March in E flat (Glazupov) (Glazunov).

LYONS (La Doua), 12.0—News; Amusement Guide, 12.15— Thévenin Orchestra.

- MONTE CENERI, 12.0-News. 12.5 -Records. 12.50-Talk.
- -Records. 12.50-Talk. MUNICH, 12.0-Concert (contd. from 11.0). 12.15-Time; News. 12.25 -Station Orchestra. Conductor: Kloss. Freiheitsglocken (Leh-mann). Kirmes (Dansmann). Hu-morons Variations on "A Carnival in Venice" (Ritzau). Waltz (Hil-genberg). Flitterwochen (Siede). Gavotte (Zehenbauer). Serenade, Verschneit, verweht (Leuschner). Gallop, Fasching (Kienz). OSI Q. 12-Q-Records. In the Inter-
- OSLO, 12.0—Records. In the Inter-val at 12.15: Weather; For Farmers, and at 12.45—Exchange.
- PARIS (Poste Parisien), 12.0-Ex-change, 12.5-Sound-Film Records, 12.25-An Interview, 12.35-Station Orchestra.
- PARIS (PTT), 12.0-Tourist Report. 12.15-Clergue Orchestra. Eine ANIS (PT1), 12.0—Tourist Report. 12.15—Clergue Orchestra. Eine Kleine Nachtmusik (Mozart), Pavane d'Egmont (Sulvayre). Ballet Music, "Isoline" (Messager). 'Cello ; Quo Vadis (Mougués). A toi (Waldteufel). Selection, "La dame en décolleté" (Yvain).
- en décolleté " (Yvain). PARIS (Radio-Paris), 12.0—Symphony Orchestra. Conductor : Labis. Overture, "Figaro " (Mozart). Mo-ment musical (Schubert). Redemp-tion (Franck). Wienerblut (Strauss). Suite algérienne (Saint-Saéns). Contes de la veillée (Godard). Danses alsaciennes (Levadé). Se-lection, "Thérèse" (Massenet). Scènes rustiques (Gillet). Petite suite (Busser). En .chevauchant (Gillet). Marche bohémienne (Fili-pucci). pucci).
- PRAGUE, 12.0-See 11.35 Brno. 12.35-Industrial Review. 12.45-Records. 12.55-Exchange.
- RADIO-NORMANDIE, 12.0—Light Music on Records. 12,30—News; Announcements. 12.45—Light Music.
- ROME, 12.0—Time; Announce-ments. 12.5—Light Music. In the Interval at 12.35—News.
- Menns. 12.3—Light Music. In the Interval at 12.35—News.
 STR A SB OU R G, 12.0—Orchestra.
 Overture, "Martha " (Flotow). Ex-tase (Ganne). Serenade in A (Widor). Selection, "Les saltim-banques" (Ganne). Chinese March (Lincke). 12.30—News. 12.45— Records. Overture, "Die Fleder-maus" (Sirauss). Grüss an Wien (Dostal). Selection, "Florestan I." (Heymani). Overture, "Der Waf-fenschmied" (Lortzing). Valse triste (Sibelius). Extracts, "Vik-toria and her Hussar" (Abraham). Xylophonismus (Engel). Murmures (Engel). Gipsy Melody (Kålmán). Melody (Lehár). Une heure près de toi (Strauss-Robin-Whiting). One-Step (McKnight).
- STUTTGART, 12.0—Announcements. 12.5—News. 12.15—See Frankfurc.
- fur. TOULOUSE (Radio-Toulouse), 12.0 —Opera Music. Minuet, "Manon." (Massenet). Pastorale, "L'Arlé-sicnne" (Bizel). Preiude, "Wer-ther" (Massenet). Ballet, "Lak-mé" (Delibes). Selection, "I Pagliacci" (Leoncavallo). 12.15— Omeretta Songs. Songs, "Pas-Songs, -) "Enlevez-tulipe Pagitacci (Leoncavatto), 12.15-Operetta Songs, Songs, "Pas-sionément" (Messager), "Enlevez-moi?" (Gabaroche), "La tulipe noire" (Richepin) and "Beau Brummel" (Hahn), 12.30-News, 12.45-Request Music.
- TURIN, 12.0—Time; Announcements. 12.5—Malatesta Orchestra. In the Interval at 12.35; Records; Ex-change.

VIENNA, 12.0—Time; Weather; Programme Notes. 12.15—Or-chestra. Conductor: Himmer. Overture. "Masaniello" (Auber). chestra. Conductor: Himmer. Overture. "Masanicllo" (Auber). Waltz, Faschingskinder (Ziehrer). Selection "Der Kuhreigen" (Kienzi). The Clock is playing (Blaauw). Screnade, A Summer Night's Dream (May). Potpourri, Tonwellen (Mannfred). Teufels-marsch (Suppe).

WARSAW, 12.0—Concert in Honour of President Moscicki (contd. from 11.15).

1 p.m.

ATHLONE, 1.30-Time ; Weather ;

- BARCELONA, 1.0—Records. 1.30— Theatre Notes ; Amusement Guide ; Records. 1.55—Film Notes.
- Records. 1.55—Film Notes. BERLIN, 1.0—News; Water Level. 1.15-1.30—"Waitz Time"—Re-cords. Toujours ou jamais. Golden Rain. An der Donau, wenn der Wein blüht (Melichar-Grothe). Wiener Bonbons. Morgenbläfter. DEPOMUNSTER 1.0—"Ston Wiener Bonbons, Morgenerater, BEROMUNSTER, 1.0 – "Stop Thief !"-a Detective Sequence: 1.15—Country Music by a String Orchestra, 1.40—Talk. BORDEAUX-LAFAYETTE, 1.0 – News. 1.15—Orchestra (contd.
- News. 1.1 from 12.15).

- News. 1.15—Orchestra (cond. from 12.15).
 BRATISLAVA, 1.5-1.10—Shipping.
 BRESLAU, 1.5 Exchange. 1.10— Announcements: Records. 1.35— Greetings. 1.40—For Farmers.
 BRUSSELS (No. 1), 1.0—News. 1.10 —Orchestra (cond., from 12.30).
 1.30—Kreisler, Records for the Anniversary of the Composer's Birth. Syncopation. The Old Refrain. Midnigat Bells (Heuberger-Kreisler). Caprice viennois. Schön Rösmain. Rondino on a Beetho-ven Theme. La précieuse (Couperin-Kreisler). Tambourin chinois. Kleiner Wienermarsch.
 BRUSSELS (No. 2), 1.0—News.
 1.30—Records. Viennese Dolls (Mühlenau). Hungarian Piece (Kahni). Two Alsattan Dances (Merkling). Chromatic Waltz (Veilones). Heartless (Meisci). Gipsy, sing for me (Meisci). Moon-light, the Danube and you) (Mann-heimer). Spanish Gipsy Dance (Marquina).
 BUDAPEST, 1.0—Sindor Bura Cigány Band.
- BUDAPEST, 1.0—Sándor Bura Cigány Band.
- COLOGNE, 1.0 News. 1.15-DEUTSCHLANDSENDER. 1.0
- 1.55-Programme An-Variety.
- FRANKFURT, 1.0 Variety (contd. from 12.15). 1.15–News. 1.30– Reports and Discussions on Econo-mics. 1.50–Industrial News. 1.55 mics. 1.50--Weather.
- -Weather. HAMBURG, 1.0-Music. 1.15-News. 1.30-Records. Song, Schnsucht nach der Einen (Kün-neke). Mädel dreh' dich mit mir (Scheu Schopp). Liebeslieder-walzer (Strauss). Wenn man verliebt ist (Schultze). Vielleicht war's nur ein Traum (Böhmelt). Lieb' mich in Dreiviertel-Takt.
- Lieb' mich in Dreiviertel-Takt. HILVERSUM, 1.0-Light Music (contd. from 12.40). 1.10-Light Music. Conductor: Walis. Pot-pourri of Lehar Music (Robrecht). Selection. "Ihr grösster Erfolg." (Grothe). Ne m'oublicz pas (Vasil-escu). Love Songs (Vidale). Sicilia (Apollonia). 1.55-Talk : The Cinema. escu). Lov (Apollonia). Cinema. ema.
- HUIZEN, 1.0-Orchestra (contd. from 12.10). 1.40-For Young
- from 12.10). 1.40—For Young People. JUAN LES PINS (Radio Côte d'Azur), 1.0 News. 1.15— Station Orchestra.
- KÖNIGSBERG, 1.0–News; Pro-gramme Announcements. 1.15– Records (contd. from 12.5). 1.30– Records.
- Records. LEIPZIG, 10—News. 1.15—Fritz Strohmaier (Cinema Organ). Trango (Schmidtseder). Ich schne michr nach dir (Engel-Berger). Enfants de printemps (Waldteufel). Ach, wie schön ist es, verliebt zu seint (Engel-Berger). Liebestraum (Strohmaier). In a Monastery Garden (Ketelbey). 1.40—Review of .Technical Books. MUNICH, 1.0—News; Announce-ments. 1.10—Sports Review. 1.20— For Girls. 1.45—Chess Talk. PARIS (Poste Parisien), 1.5—Inter-lude. 1.15—Exchange. 1.19— Concert.
- lude. Concert.
- Concert. PARIS. (PTT), 1.0—News. 1.15— Orchestra (contd. from 12.15). 1.30—Exchange, 1.33—For Boy Scouts, PARIS (Radio-Paris), 1.0—Sym-

phony Orchestra (contd. from 12.0). In the interval at 1.20—Exchange. PRAGUE, 1.0—Exchange and Wea-ther in German. RADIO-NORMANDIE, 1.0-1.45-

- RADIO-NORMANDIE, 1.0-1.45— Light Music.
 REYKJAVIK, 1.15—Variety.
 ROME, 1.0-1.15—Light Music.
 STOCKHOLM, 1.0—Light Music.
 STRASBOURG, 1.0—Records (cond. from 12.45).
 STUITIGART, 1.0—See 12.15 Frank-furt, 1.15—"Sayings and Anec-dotes" with Interludes on Records

- VIENNA, 1.0—Announcements. 4.25 —Report of the Austrian Ski-ing Championship from Reutle. 1.45— Time; Weather; Exchange. WARSAW, 1.0-Records : Chamber

2 p.m.

- ATHLONE, 2.0-2.30-Records. ATHLONE, 2.0-2.30-Records. BARCELONA, 2.0-News; Topical Sketches with Music. In the Interval at 2.30: Catalan Notes and Art Report, 2.55-Exchange. BERLIN, 2.0-Exchange, 2.35-" The Mocking Diary! "-Sketches of Georg Christoph Lichtenberg (arr. Günther).
- BORDEAUX-LAFAYETTE, 2.0-See Paris (PTT)
- Paris (PTT). BRESLAU, 2.0—For Farmers. 2.10— Hans Günther-Andersch (Piano-forte). Pieces (Graener): (a) Auf den Wassern zu singen, (b) Dämmer-licht, (c) Frauenbildnis. Pieces (Weismann): (a) Unterm Laub-dach, (b) Wiegenlied im Grünen, (c) Blühende Wiese. Pieces (Scalero): (a) La canzone, della sorgente, (b) Sogno d'un pommerizeio d'estate. Sogno d'un pommeriggio d'estate. Ballad (Scalero). 2.40-Book Review
- BUDAPEST, 2.0—Sándor Bura Cigány Band, 2.20—Talk.
- COLOGNE, 2.0—Report from Dort-mund. 2.30—Industrial News. 2.45—Talk: Taxation. 2.45-Talk : Taxation. DEUTSCHLANDSENDER, 2.0 Worther Exchange, 2.15-1
- --For Weather; Exchange. 2.15-Girls. 2.45-Industrial Review FRANKFURT, 2.15-Play for Young
- People. HAMBURG, 2.0—Wireless Notes. 2.15—Exchange. 2.40—Shipping. 2.50—Ice Report. HILVERSUM, 2.0—Talk (contd. from 1.55). 2.10—Records. 2.40—A Report.
- HUIZEN, 2.0—For Young People. 2.10—Sports Notes. 2.40—For Children.
- Children. KALUNDBORG, 2.0—Preil Instru-mental Ensemble. Mon coeur est un pélerin (Kliment). Réves du désir (Kliment). Unter sizilianischer Sonne (Dreyer). Selection, "Aenn-chen von Tharau" (Strecker). Nocturne (Szekeres). Bygone Days (Gebhardt). Spanish March, Torea-dor (Schmalstich). 2.50 (approx.)— Reading (Björnson).
- KÖNIGSBERG, 2.0 Exchange ; Market Prices. 2.10 For Women, 2.20 For Children, 2.45 Book Review.
- Review. LEIPZIG, 2.5—"A Musical Picture Book "—Programme for Children (arr. Liebau). 2.30—Talk by Dr. Knust: Wireless Interference. 2.45— Economic Notes; Weather; Time. LYONS (La Doua), 2.0—Jazz.
- MUNICH, 2.0-Chess Talk (cond. from 1.45), 2.15-"Soblenklofinsta" -Talk on Old Munich Dances. 2.45-Weather; For Farners, PARIS (Poste Parisien), 2.0-Ex-
- PARIS (Poste Parisien), 2.0-Ex-change. PARIS (PTT), 2.0-Concert. Part I: "Folk Songs"-French, Swedish, Italian, Martinique, American, Negro, Spanish, Irish, Scottish and Russian. Part II: "Le quatrain" --Sketch (Clement). Part III: Songs. Vieille chanson (Bizel). English Songs. Sappischized (Brahms). Le petit cimetière arabe (Zucca). Les filles de Cadiz (Delibes). Part IV: Opera and Operetta Music. Duet, "Le voyage en Chine" (Bazin). Two Songs (Cuvillier). Song, "The Land of Smiles" (Lchar). Duet, "Le roi malgré lui" (Chabrier). Part V: "L'inconnu"-One-Act Play (Murnier).

- PARIS (Radio-Paris), 2.0—Symphony Orchestra (contd. from 12.0), PRAGUE, 2.50—Weather. 2.55— Milliary Band. Conductor : Pesta. Oriental Suite (Popy). Folk Songs (Aust), March (Pesta). Prayer and Chorus, "Wanda" (Doppler). March (Oberthor). RIGA, 2.0—Records : Popular Music. 2.30—Reading. STOCKHOLM, 2.0—Reading. 2.30— Myrberg Concert. Orpheus Choir. Conductor : Lizell.

- STOCKHOLM, 2.0-Reading, 2.30-Myrberg Concert, Orpheus Choir, Conductor: Lizell, STRASBOURG, 2.0-See Paris (PTT), STUTTGART, 2.0-To be announced, 2.45-Talk: With Hagenbeck to the Far East.
- the Far East. TOULOUSE (Radio-Toulouse), 2.0— Amusement Guide. VIENNÄ, 2.0—Talk : Sunday Ex-cursions and Ski-Tours. 2.45— Alexander Max Vallas reads. WARSAW, 2.0—For Farmers. 2.15— Records : Chamber Music. 2.35— Selection from "The Geisha" (Jones) by the Godwin Orchestra. 2.45—For Farmers.

3 p.m.

- BARCELONA, 3.0-News ; For Hospitals. 3.30-Amateurs before the pitals. 3. Micropho
- BARI, 3.0-For Children.
- BERLIN, 3.0-For Children. BERLIN, 3.0-Forcert from the Kaiserdamm Exhibition Hall. Station Orchestra. Conductor: Steiner, Interlude: Songs, "Heirat nicht ausgeschlossen" (Kollo-Kess-ler) BEROMÜNSTER, 3.0-See . Monte
- BRATISLAVA, 3.40—"At the Castle of Trencin "-Marionette Play.
- of Trencin "--Marionette BRESLAU, 3.0-See Berlin. BUDAPEST, 3.0-Records.
- - COLOGNE, 3.0—Records. COLOGNE, 3.0—Variety. Edith Schollwer (Soprano), Karl Jöken (Tenor), the Six Merry Singers, Schrammel Quartet; Station Cham-ber Orchestra. Conductor : Kühn ; and others. 3.0-
 - DEUTSCHLANDSENDER. See Königsberg. FRANKFURT, 3.0—See Berlin.
- FRANKFURT, 3.0—Sce Berlin.
 HAMBURG. 3.0—Sce Berlin.
 HAMBURG. 3.0—Station Orchestra.
 Conductor: Secker. Erna Kroll-Lange (Soprano): Bernhard Jak-schtat (Baritone). Overture, "Rosa-munde " (Schubert). Baritone Solos (Schubert): (a) Die Allmacht, (b) Abschied. Polonaise (Weber).
 Ballet Suite, " Corpelia " (Delibes).
 Soprano Solos (Marx): (a) Japanese Song. (b) Venetian Cradle Song. (b) Venetian Cradle Song. A Norwegian Bridal Procession (Grieg). Sclection, "The Pearl Fishers" (Bizet). Baritone Solos (Wolf): (a) Heb' auf dein blondes Haupt, (b) Fussreisc. Danza campestre (Respigh). Suite, Aus dem Morgenlande (Heuberger).
 Soprano Solos: (a) Die Lerche (Humperdinck), (b) Schlagende Her-zen (Strauss).
 Künstlerleben (Strauss).
- (Strauss). HILVERSUM, 3.0—A Report, 3.10 The Rotterdam Philharmonic Or-chestra. Conductor : Flipse ; with Bela Bartok (Pinaoforte) in a programme of his own music. First Orchestral Suite. Second Pianoforte Concerto.

- First Orchestral Suite. Second Pianoforte Concerto.
 HUIZEN, 3.0-For Children. 3.40-To be announced.
 KALUNDBORG, 3.0-Reading (contd. from 2.50). 3.10 (approx.)-Preil Instrumental Ensemble. Jazz Overture (Mahr). Serenade, Blumenwunder (Eichler). Selection, "So endite eine Liebe "(Grouhe). Marimba Duct '(Gyldmark). Serenade (Rust). Metropolitan (Bloom). Russian Rhapsody (Nussbaum).
 KÖNIGSBERG, 3.0 Königsberg Opera House Orchestra. Conductor: Dr. Rudolf. Kaestner. Overtüre, "The Italian Girl in Algiers" (Rossini). Selection, "Carmen" (Bizet). Suite, "Coppelia" (Delibes). Norwegian Rhapsody (Svendsen). March, "Boccaccio" (Suppe). Mimosa Waltz (Jones). Selection, "Czar and Carpenter" (Lorzing). Waltz, Künstlerleben (Strauss).
 LEIPZIG, 3.0-See Cologne.
 LYONS (4 a Dava) 3(D-Jazz
- Künstlerleben (Strauss). LEIPZIG, 3.0-Sec Cologne. LYONS (La Doua), 3.0-Jazz. MONTE CENERI, 3.0-Chamber Music for Wind Instruments. Ital-iani (Flute), Guidi (Obce), Mastelli (Clarinet), Zocco (Horn) and Leu-zinger (Bassoon). Quintet : Diver-timento in D (Haydn). Quartet for Flute, Clarinet, Horn and Bassoon (Rossini). 3.30-Alpine Songs on Records.
- Songs on Records. MUNICH, 3.0-Leo Schneider Band. Mit Eichenlaub und Schleider Junio. (Blon). Potpourri, Berlin, wie es weint und lacht (Conradi). Popular Songs. Hochzeitsständehen (Klose). Aquarellenwalzer (Strauss). Songs.

SATURDAY Feb. 2

PARIS (Poste Parisien), 3.13—Exchange.
PARIS (PTT), 3.0—Concert (contd. from 2.0).
PARIS (Radio-Paris), 3.0—Sketch for Children (Morland).
PRAGUE, 3.0—Military Band (contd. from 2.55). 3.40—Literary Programme for Young People.
RIGA, 3.0—Mandoline.
ROME, 3.30—For Children. 3.55—News.

ROME, 3.30—For Chauten, S. News, SOTTENS, 3.0—See Monte Cencri, STOCKHOLM, 3.0—Talk. 3.20 Ture Ara (Sonss), Freudenthal (Viola), Muchow (Flute) and Tillius (Pianoforte). Trio for Flute, Viola and Pianoforte (Weismann). Three Songs (Sibelius). Terzettino for Flute, Violin and Pianoforte (Dubois). Three Songs (Melartin). STRASBOURG, 3.0—See 2.0 Paris (PTT).

(PTT). STUTTGART, 3.0—See Cologne. TURIN, 3.35—News. 3.45—1 Children.

Johny, J.S.-Rews, 3.43-Por Children.
VIENNA, 3.0-Reading (cond. from 2.45). 3.5-News. 3.10-Italian.
3.35-Talk: The History of the Vienna Symphony Orchestra. Con-ductor: Schönherr. March, Erz-herzog Friedrich (Czibulka). Over-turc, "Lysistrata" (Lincke). Waltz, Schlummernde Elfen (Schönherr). Seloction, "Frühling in Wiener Wald" (Ascher). Waltz. Käntner Mad'ln (Kreuzberger). Potpourri, Servus Wien (Dostal). Overture, "Bruder Straubinger" (Eysler). March, Heut' san me g'stellt (Kast-ner).

WARSAW, 3.0-New Records. 3.30 ---Play for Children.

4 p.m.

BARCELONA, 4.0-News. BELGRADE, 4.0-Records. 4.15-Viola and Violin.

BERLIN, 4.0—Report on the Sixth International Riding Tournament. 4.15—Concert (contd. from 3.0). BEROMÜNSTER, 4.0—See Monte

BRATISLAVA, 4.0 — Marionette Play (contd. from 3.40). 4.20— Slovak Songs by Magda Cajdova. 4.45—For Workers.

4.43—For Workers.
BRESLAU, 4.0-5.0—See 3.0 Berlin.
BRNO, 4.5—For Parents. 4.25— Records. 4.35—Local News : For Housewives. 4.40—Talk. 4.50— German Transmission : Soprano and Pianoforte. The Nursery (Mussorg-sky). (The Children's Corner (De. bussy). A Picture Book (Mraczek).
BRUSSELS (No. 1), 4.40—An-nouncements 4.45—Talk : Events

bussy). A Picture Book (Mraczek).
BRUSSELS (No. 1), 4.40—Announcements. 4.45—Talk : Events in Brussels for 1935.
BRUSSELS (No. 2), 4.40—Announcements. 4.45—Talk.
BUDAPEST, 4.0 — Talk. 4.30—Bass-viol Recital.
COLOGNE, 4.0—See Berlin. 4.15—Variety (contd. from 3.0).

Variety (contd. from 3.0). DEUTSCHLANDSENDER, 4.0-Talk. 4.15-See 3.0 Königsberg. FRANKFURT, 4.0-5.0-See Berlin.

FRANKFURT, 4.0-5.0—See Berlin. HAMBURG, 4.0—Orchestra (contd. from 3.0). 4.30—Talk : Carl Albert Lange. HILVERSUM, 4.0—Orchestra (contd. from 3.10). 4.10—Talk by Dr. Banning. 4.30—The Pathetic Symphony (Tchaikovsky), by the Rotterdam Philharmonic Orchestra. Conductor : Flipse.

Rotterdam Philharmonic Orchestra. Conductor : Flipse. HUIZEN, 4.0.—To' be announced. 4.40.—Records. KALUNDBORG, 4.0.— Children's Choir. Conductor : Kirstine Friis-Hjorth. 4.30.—Exchange ; Fish Prices. 4.42--A Poem. 4.45.— Talk : Enemies of the Fishing Inductor

KÖNIGSBERG, 4.0 — See Berlin, 4.15—Orchestra (contd, from 3.0), 4.50—Film Talk.

4.50—Film Talk. LEIPZIG, 4.0—Talk. for Young People: Sport in Winter, 4.20— Chamber Music. Paul Hungar (Violin); Fritz Mueller-Krippen (Pianoforte); Friedbert Sammler (Harmonium and Pianoforte), Violin and Harmonium: Large (Friedemann Bach). Violin, Har-monium and Pianoforte: Prelude, Act III "Kunihid" (Kistler). Harmonium Solo: Seven Idylls

Industry

ner).

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3.45-For

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SATURDAY Feb. 2

4 p.m. (contd.)

(Karg-Eleri). Pianoforte and Harmonium Duets: (Wadham-Nicholl): (a) Song without Words, (b) Romance. Cavatina (Beethoven). Harmonium Solos (Rezer): (a) Albumblatt, (b) Burletta. 4.45-A Modern Dictionary. MONTE CENERI, 4.0-Talk: The Ticino Mountains. 4.15-Rhap-sodies and Czardas. Station Or-chestra. Conductor: Casella. Soloist: Herschel (Pianoforte). Hungarian Rhapsody (Liszt). Czardas, "Der Geist des Woj-woden "(Grossmann). Rhapsody (Brahms). Czardas, Celle que j'aime (Gabriel-Marie). Hungarian Rhapsody (Liszt).

j'aime (Gabriel-Marie). Hungarian Rhapsody (Liszt). MORAVSKA-OSTRAVA, 4.45--Topical Talk. 4.55--Local News. MUNICH, 4.0--See Berlin. 4.15--Schneider Band (contd. from 3.0). OSLO, 4.0-Records. 4.45--For Children. PARIS (Poste-Parisien), 4.50--Erchange

OSLO, 4.0.—Records. 4.45—Point Children.
PARIS (Poste-Parisien), 4.50—Exchange.
PARIS (PATT), 4.0—Two Talks.
PARIS (PATT), 4.0—Two Talks.
PARIS (Radio-Paris), 4.0—Exchange.
PARAGUE, 4.0.—For Young People.
4.5.—See Brno. 4.25.—Serbian National Songs (arr. Kuba). Tonca Becvarova (Songs) and Maxian (Pianoforte). 4.45.—For Farmers.
4.55.—For Workers.
RIGA, 4.0—Talk : Mathematics.
4.30—Alfreds Kalnins (Organ).
Prelude and Fugue on the theme "B.A.C.H." (Liszt). Sonata (Mendelssohn). Toccata (Pachelbel).
Hymn.

Hymn. ROME, 4.0 — Exchange; Lottery Results. 4.10—Concert. 4.55— Results. 4.10—Concert. 4.55— Weather. SOTTENS, 4.0–5.0 — See Monte

SOTTENS, 4.0-5.0 – See Monte Ceneri. STOCKHOLM, 4.0 – Weather, 4.5 –-For Children, 4.30–Talk. STRASBOURG, 4.0–Music Talk : French Opera in the Seventeenth Century, 4.15–Records. STUTTGART, 4.0–See Berlin, 4.15 See 3.0 Cologne. TURIN, 4.0–For Women, 4.10– Dance Music, 4.55–Weather, VIENNA, 4.0–Vienna Symphony Orchestra (cond. from 3.55), 4.55– Talk : The Madonna in Austrian Painting.

WARSAW, 4.0—Dance 4.50—For Women. Music

5 p.m.

BARI, 5.40-For Greece : Italian Lesson. BELGRADE, 5.0—Play. 5.40-nouncements. 5.55—Records. 5.40-An-

BELORADE, 5.0-Flay, 5.40-Alt nouncements. 5.55-Records. BERLIN, 5.0-Announcements. 5.5-Report from a ski Factory. 5.20-"A Suite for Smokers" -- a Sequence (Axel Lübbe), with Music of the Eighteenth and Nineteenth Cen-

Eighteenth and Ninetcenth Centuries.
BEROMUNSTER, 5.0—Song Records. 3.30—Talk by Gertrud Goetzinger: Singing.
BRATISLAVA, 5.0—H ungarian Transmission: Talk; "A Speaker's Dream "—Play (Ungvary). 5.45—Topical Talk.
BRESLAU, 5.0—Topical Report. 5.20.
—Erich Rauch (Bartione). Songs (Fielitz): (a) Frühlingslied. (b) In alten Tagen, (c) Mit Veilchen. Songs (Wolf): (a) Des Müden Abendlied, (b) Nachtzauber, (c) Der Musikant, (d) Lieber alles, (e) Der verzweifelte Liebhaber, (f) Nimmersatte Liebe, (g) Zur Warnung, (h) Abschied, 5.50—Programme Notes; Weather.
BRNO, 5.0—German Transmission (contd. from 4.50).
BRUSSELS (No. 1), 5.0—Dance Music. Mickey's Club Orchestra. Conductor: Hallet.
BRUSSELS (No. 2), 5.0—For Children.
BUDAPEST, 5.0—Talk. 5.30—

dren. BUDAPEST, 5.0-Talk. 5.30-Vilmos Pataky Jazz Band, from the Gellert Hotel. COLOGNE, 5.0-Talk : Karl Biege-mann. 5.15-Records. 5.30-Talk for Skl-ers. 5.45-News. DEUTSCHLANDSENDER, 5.0-Workle. Sports Review, 5.20-

DEUTSCHLANDSENDER, 5.0– Weekly Sports Review, 5.20– Topical Reports. 5.30–Records: Barnabas von Gezzy.
 FRANKFURT, 5.0–Talk: Frontier Problems. 5.20–Surprise Pro-gramme. 5.35–The Roving Micro-phone. 5.45–News.
 HAMBURG, 5.0–Records: Sound-film Music. Selection, "Invitation to the Dance" (Weber). Song, "Abschiedswalzer" (Chopin-Meli-char). Pasodoble, "Regime" (Schmalstich). Song, "Alles hört auf, mein Kommando" (Meissner). Love Song (Lane). Seit ich dich gesehen (Leenen). Wenn die kleinen

Mädchen träumen (Wenneis). Selec-tion, "Frühjahrsparade" (Stolz). So oder so ist das Leben (Mackeben). 5.35-For Seamen. 5.55-Weather. HILVERSUM, 5.0-The Pathetic Symphony (Tchaikovsky) (contd. from 4.30), 5.10-Interval. 5.20-Literary Talk. 5.40-Jong (Organ). Selection, "Il Trovatore" (Verdi). Shanghai Li (Warren). Kein Tag und keine Stunde (Erwia). The Carioca (Younnas). HUIZEN, 5.0-Records. 5.10-K.R.O. Orchestra. Conductor: van 't Woud. March (Blon). Overture, King Midas (Eilenberg). Aubade printanière (Lacombe). Se-lection, "Schehrazade" (Rimsky-Korsakov). Waltz, Il bacio (Arditi). Silhouettes (Hadley). KALUNDBORG, 5.0-Talk (contd.

KALUNDBORG, 5.0—Talk (contd. from 4.45). 5.15—French Lesson. from 4.45). 5 5.45-Weather.

5.45--Weather.
KÖNIGSBERG, 5.0-Talk on Photo-graphy. 5.15--Market Prices. 5.30 --Schütz (Organ). Fantasia on the Hymn, Wie schön leuchtet der Morgenstern (Reimann). Prelude and Fugue from the Sonata in A minor (Thuille). 5.55--Weather.

minor (Inuile). 5.35-weather. LAHTI, 5.0-Time; Weather, 5.10-News in Swedish, 5.15-Talk, 5.35 -Station Orchéstra. Conductor: Linko, Intermezzo, "L'amico Fritz" (Mascagni). Waltz, "Faust" (Gounod). Sslection, "Madame Butterff" (Puccini).

Linko. Intermezzo, L'anter Fritz '' (Mascagni). Waltz, '' Faust '' (Gounod). Selection, '' Madame Butterfly '' (Puccini). LEIPZIG, 5.0-Weekly Report of the Hitler Youth. 5.15-Wind Band. Vater Rhein (Lincke). Hungarian Comedy Overture (Keler-Bela). Two Pieces, '' Sigurd Jorsalfar'' (Grieg) : (a) Das Nordlandvolk, (b) Königs-lied. Heldengeist (Harmens). Sa rückt an (Blankenburg). Selection, '' Faust''' (Gounod). In Cairo (Blon). Cavalier Waltz (Nedbal). Das treue, deutsche Herz (Schreiner). Marching Song, Das dritte Reich (Hellmann). LYONS (La Doua), 5.0-Pasdeloup Concert.

5.0-For

Concert. MORAVSKA-OSTRAVA, 5.0-Fo Workers. 5.10-Italian Arias. MUNICH, 5.0-Music Talk fo Girlis: The Recorder. 5.20-Talk Burghausen. 5.30-Sonata in 1 1UNICH, S. S. Sonata in F. Girls: The Recorder. S.20— Burghausen. 5.30—Sonata in F. for Violin and Pianoforte (Dvořák), by Hugo Birkigt and Otto Graef. 5.50—Talk: Arnold Böcklin's Picture—"Im Spiel der Wellen," in the Munich Picture Gallery. OSLO, 5.0—For Children. 5.25— Parliamentary Review. 5.40—

OSLO

PARIS (PTT), 5.0-Pasdeloup Con-

cert. PRAGUE, 5.0—For Workers. 5.5— German Transmission : A Comedy for Young People (Lily Weber-Wehle); News. RADIO-NORMANDIE, 5.30—Dance.

Music. Music. RIGA, 5.0-Latvian Lesson. 5.30-Dramatic Programme. Male Voice Choir, Speakers and Orchestra. ROME, 5.0-5.10-Wheat Prices.

SOTTENS, 5.0--Reading for Chil-dren, 5.20-For Young People, 5.30-English, 5.45-Film Review, STOCKHOLM, 5.0-Records, STRASBOURG, 5.0-Pasdeloup Con-

cert. STUTTGART, 5.0—Weekly Sound, News, 5.30—Operetta Music on Records, with Theatre Anecdotes. TURIN, 5.0—For Farmers; Lottery Results, 5.50—Announcements. VIENNA, 5.0—Talk (contd. from 4.55), 5.15—Folk Songs, 5.40— Talk: The Parachute from Leonardo da Vinci to Modern Times. WARSAW, 5.0—For Farmers, 5.10— Art Notes, 5.15—Bukin (Piano-

Art Notes, 5.15-Bukin (Piano-forte). Barcarolle, Idyll and Prelude (Melartin). Réverie (Michalowski). Prayer and Temple Dance (Grieg). Polichinelle (Rachmaninov). 5.45-Talk from Cracow: Animal Ia-

stincts 6 p.m.

ATHLONE, 6.0-Records. 6.45-

BARCELONA, 6.0—Request Records.

BARI, 6.15—Weather; News in Foreign Languages. BELGRADE, 6.0—Records. 6.15— News. 6.30—National Programme.

Silesian Churches. 6.5—Two Short Stories (Bierkowski): (a) Longing, (b) Fulhiment. 6.15—Programme Announcements with Records. 6.40 —Weekly Review. BRNO, 6.15—Hanousek Quartet. Florentine March (Fucik). Romantic Waltz (Heinecke). Overture, "Der Waffenschmidd" (Lortzing). Inter-

Florentine March (Fucik). Romanuc Waltz (Heinecke). Overture, "Der Waffenschmied" (Lortzing). Inter-mezzo (Pelikán). 6.40—Folk Play (Procházka) from Olomouc. BRUSSELS (No. 1), 6.0—Symphonic Poem, Tamara (Balakirev). 6.15— Talk: The Geography of Belgium. 6.30—Jongen Pianoforte Recital by Swaels-Wouters.

Swaels-Wouters.

6.30—Jongen Pianoforte Recital by Swaels-Wouters.
BRUSSELS (No. 2), 6.0—Talk : How to speak Flemish. 6.15— Records. "Es war einmal zur schönen Maienzeit (Niel). Marie, Mara; Maruschkata (Niel). Slap and Laugh. Parody ön Rhapsody No. 2 (Liszt). 6.30—Hansen (Accordion).
6.45—Records. Selection, "The Grand-Duchess of Gerolstein" (Offenbach). Waitz, "La Bohëme" (Puccini). Sicilienne (Jessel). Re-grets d'Auvergne (arr. Monboisse). Oriental Suite (Popy). Selection, "La belle Hélème" (Offenbach). Sur l'ealu (Pedrell). Donauwellen (Ivanovici). Neapolitan Song. Santa Lucia (Mario). Evening Bells (Jarov).
BUDAPEST, 6.0—Jazz Band (contd. from 5.30). 6.15—Talk. 6.40— "Les cloches de Corneville"— Operetta (Planquette).
COLOGNE, 6.0—Chamber Music.

Operetta (Planquette). COLOGNE, 6.0—Chamber Music. Station String Quartet and Mia Bischoff (Contralto). String Quartet in B flat (Haydn). Lieder (Wolf): (a) Ach, des Knaben Augen, (b) Herr, was trägt der Boden, hier (c) In dem Schatten meiner Locken Bomanec for 'Cello and Pinnoforte (c) in dem Schaften hielier Docking Romance for 'Cello and Pianoforte (Reger). Lieder (Wolf): (a) Wenn du zu den Blumen gehst, (b) Alle gingen Herz zur Ruh', (c) Sie blasen zum Abmarsch. 6.45—Snapshots. DEUTSCHLANDSENDER, 6.0-Records (contd. from 5.30). 6.10-

Records (contd. from 5.30). 6.10— "What do you say about it?"— Discussion on Topical Subjects. 6.25—Talk on the following trans-mission. 6.30—"Le Postillon de Longjumeau"— Opéra - Comique (Adam) from the German Opera.

FRANKFURT, 6.0—Sec Cologne. 6.45—Topical Talk.

6.45—Topical Talk,
HAMBURG, 6.0—Opera and Operetta Music. Lower Saxon Symphony Orchestra. Conductor: Otto Ebel von Sosen. Alfriede Albrecht (Soprano) and Fritz Blankenhorn (Tenor). Overture, "Si j'étais roi" (Adam). Cavatina, "Faust" (Goundol. Aria, "Carmen" (Bizel). Prelude, "Eva" (Lehar). Soprano Solos: (a) Song, "The Count of Luxembourg" (Lehar). Selec-tion, "Frau Luna" (Lincke). Waltz, "Das süsse Mädel" (Reinhardt). Duet, "Der Bettelstudent" (Mi-löcker). March, "The Gipsy Baron" (Strauss).

HILVERSUM, 6.0—Organ (contd. from 5.40). 6.10—Talk in Esperanto. 6.30—Records. 6.40—V.R.O. Programme.

gramme. HUIZEN, 6.0—Press Review. 6.25— Records. 6.40—Police Messages. 6.55—Roman Catholic Talk. KALUNDBORG, 6.0—News. 6.30— Talk : What Raw Materials do we get from the Animal Kingdom ? KÖNIGSBERG, 6.0—Announce-ments. 6.10—Sextet in A for two Violins, two Violas and two 'Cellos (Dvořák). 6.45—See Munich. LAHTI 6 5—Thure Babne (Sonos)

LAHTI, 6.5—Thure Bahne (Songs). 6.30—A Play (Vallinmäki). LEIPZIG, 6.0—Wind Band (contd. from 5.15). 6.20—Talk : Easter Island. 6.45—See Munich.

LYONS (La Doua), 6.0-Pasdeloup

Concert, MONTE CENERI, 6.15—Talk : The Italian Language. 6.30 — Anna-maria Guglielmetti (Songs) on Records. Arias, "Dinorah" (Meyer-beer). "The Magic Flute" (Mozart). Song (Scarlatti). Siciliana (Pergo-lesi). Plaisir d'amour (Marini). Aria, "Don Giovanni" (Mozart). 6.45—News. MORAVSKÁ-OSTRAVA, 6.15-

Saxophone

 BUDAPEST, 7.0—"Les Cloches de Corneville" (Planquette) (contd. from 6.40).
 COLOGNE, 7.0—News. 7.10—Wind Band from Hennef. Conductor: Stark. Telefunken-Marsch (Evert). Der Weltmeister (Trojan). Graf Zeppelin (Teike). Jubelfanfare (Apitius). Die lustigen Schmied-gesellen (Gounow). Grubenlichter (Zeller). Gallop (Brussig). The Skaters' Waltz (Waldteufel). Rhein-länder (Brussig). Die Ehemaligen (Stahl). MUNICH, 6.0—Announcements, 6.10 —Josef Schwarz Dance Band, 6.45 —Winter Sports Report from Garmisch-Partenkirchen.

OSLO, 6.0—Announcements. 6.1 News. 6.30—Time. 6.31—Talk 6.15-

PARIS (Poste Parisien), 6.25–Ex-change. 6.30–Roman Catholic Notes. 6.55–Talk. PARIS (PTT), 6.0-Pasdeloup Con-cert. 6.30-News.

RANKFURT, 7.0—News. 7.10—
 "Frühlingsluft"—Operetta on Johann Strauss' melodies (Reiterer).
 HAMBURG, 7.0—Opera and Operetta Music. (contd. from 6.0). 7.10—
 See Leipzig.

cert. 6.30—News. PARIS (Radio-Paris), 6.0—Reading (Anatole France). 6.15—Weather; For Farmers; Talk; Exchange;

HILVERSUM, 7.0–V.R.O. Pro-gramme, 7.40–SOS Messages, 7.43–Variety. The V.A.R.A. Or-chestra. Conductor: de Groot; Walis Orchestra; Steyn Ensemble; Gaby Ehrhardt and de Booy Racing. 6.35—Talk : Shells. 6.45— Cabaret, by Jean and Pascal Bastia. PRAGUE, 6.0 — Time : News ; Announcements. 6.15—See Brno.

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HUIZEN, 7.0--Talk (contd. from 6.55), 7.15-Records, 7.40-News, 7.45 - K.R.O. Orchestra. Con-ductor van 't Woud. Bei Lied und Wein (Armandola). Wine, Woman, and Song (Strauss). Ein Gläsert Wein (Kálmán). Drinking Song Patoaurri.

JUAN-LES-PINS (Radio Côte d'Azur), 7.15—Eine kleine Nachtmusik (Mo-zart) by the Station Orchestra. 7.35—Cinema Notes. 7.40—Press Review, 7.50—Film Review,

KALUNDBORG, 7.0--'The Nea-politan Opera Period "--Talk with Illustrations by the Radio Orchestra. Conductor : Mahler. Extracts : (a) "La Rosaura" (Scarlatti), (b) "Ulysses" (Keiser).

KÖNIGSBERG, 7.0—News. 7.15— "Airmen's Evening"—Variety. Small Station Orchestra. Conduc-tor: Wicken, with Soloists. Talk by Gustav Jakoby.

by Gustav Jakoby. LAHTI, 7.0-Station Orchestra, Flor-entine March (Fucik). Waltz, Winterstürme (Fucik). Slav Dance (Dvořák). March, Husarenattack (Oscheit). Tarantella (Mezzacapo). Swedish Dance (Aulin). Bolero (Moszkowski). Waltz, Sphären-klänge (Strauss). The Star-Spangled Banner (Sousa). 7.45-News in Finnish.

Finnish.
LEIPZIG, 7.0—News. 7.10—"The Great Stocktaking Sale"—Variety from Old Popular Hits, Radio Plays, Recitals and Songs.
LYONS (La Doua), 7.30—Local Review. 7.50—Veterinary Notes.

Review. 7.50-Veterinary Notes. MONTE CENERI, 7.0-Talk on the following Concert. 7.15-Gluck and Handel Music. Station Orchestra. Conductor: Casella. Overture, "Iphigenia Aulis" (Gluck). Alle-luia, "The Messiah" (Handel). Gavotte and Musette, "Armide" (Gluck). Overture, "Samson" (Handel). Rondo, "Orpheus" (Gluck). Largo, "Xerxes" (Handel). Selection, "Orfeo ed Euridice" (Gluck).

MUNICH, 7.0—News. 7.10—Variety from the Turnhalle, Lindenberg.

from the Turnhalle, Lindenberg. OSLO, 7.0—Station Orchestra. Con-ductor: Kramm. Overure, "The Merry Wives of Windsor" (Nicolai). Schumann Potpourri (Schreiner). Petite suite (Micheli). Sercnade (Drigo). Au bord du Nil (Leroux). Mazurka (Godard). Chant sans paroles (Tchaikovsky). Minuet (Stenberg). Romance, "Mignon" (Thomas). Parade (Lincke).

(Thomas). Parade (Lincke). PARIS (Poste Parisien), 7.2-Record. 7.7-Sports Notes. 7.10-News. 7.20-Amusement Guide. 7.23-Talk: The Event of the Week. 7.30-Records. 7.45-Talk. 7.50-Extracts, "Cest Mariette" -Operetta (on Records).

PARIS (PTT), 7.45—Legal Talk. 7.53 —Horticultural Talk.

--Horicultural Talk, PARIS (Radio-Paris), 7.0-Science Talk, 7.20-Latin Press Review, 7.30-Topical Talk, PRAGUE, 7.0-See 6.15 Brno. 7.30-Astronomical Talk, 7.45-Revue. Station Orchestra and Soloists.

RADIO-NORMANDIE, 7.0—Light Music: Two Melodics. Arias: (a) "La Tosca" (Puccini), (b) "Manon" (Massenet). Ave Maria (Gounod). Melody. Selection, "II Trovatore" (Verdi). Ballet, "Sylvia" (Delibes). Two Melodies.

RIGA, 7.0-Dialogue (contd. from 6.50). 7.20-Orchestra. Conductor: Parups. Overture, "The Bartered Bride" (Smetana). Songs. Selec-tion, "The Damnation of Faust" (Berlioz).

(Bernoz). ROME, 7.0—News; Sports Notes, 7.10—Records, 7.30—Time; An-nouncements; Sports Talk, 7.45— Ferruccio Vignanelli (Organ).

SOTTENS, 7.0—Report on the Swiss Ski-ing Championships from Grin-delwald, 7.30—Radio Suisse Ro-

delwald. 7.30-Radio Suisse Ro-mande Orchestra. Conductor: Echenard. Musique pour radio (Lazar). Suite, Dolly (Fauré-Rabaud). Catalogue de fleura (Milhaud). 7.45-Talk : Greek Art.

STOCKHOLM, 7.0-Old-time Dance Music. 7.15-Talk. 7.45-Cabaret.

STRASBOURG, 7.0—French Lesson. 7.15—Talk : Rostand and the Basque Country. 7.30—News; Annourcements; Lottery Results. 7.45—Records.

Revue. Soloists.

(Songs).

Potpourri.

Announcements. 6.15—See Brno. RADIO-NORMANDIE, 6.0—For Children. 6.50—Local News. RIGA, 6.5—News. 6.20—Latvian Music. Orchestra. Conductor: Parubs. Vinerts (Violin). Dramatic Overture (Vitols). Violin: (a) Air (Medins), (b) Romance (Vitols). Two Pieces (Medins): (a) Dreams, (b) Joys. 6.50—Dialogue: Travel. ROME, 6.0—Tourist Report; Announcements. SOTTENS 6.0—Film Review. 6.2—

Announcements. SOTTENS, 6.0—Film Review. 6.2— Chimes. 6.5—Jazz Records. 6.40— Wireless Notes. 6.59—Weather. STOCKHOLM, 6.0—Report. 6.15— News. 6.30—Old Time Dance Music.

Music. STRASBOURG, 6.0—Pasdeloup Con-ceri. 6.45—Talk for Farmers. STUTTGART, 6.0—"Blufl"—Vari-

- ety. TOULOUSE (Radio-Toulouse), 6.0— News. 6.15—Orchestra. 6.30— Sound: Film Music. 6.45—Violin. Hebrew Melody (Achron). Minuet in G (Beethoven). Screnade a Kubelick (Drdla). Pièce en forme de habanera (Ravel). Pale Moon (Knieb). (Knight).
- TURIN, 6.0-Tourist and Dopolavoro Report. 6.15-News in Foreign
- Languages. VIENNA, 6.0—Talk (contd. from 5.40). 6.5—Announcements. 6.15— Time; News. 6.25—Talk. Josef Pommer on the Ninetieth Anni-versary of his Birth. 6.35—Report on the Austrian Ski Champion-ships at Reute. 6.40—Sonata in B Minor (Liszt). Agatha Schober (Pianoforte). WARSAW. 6.0—Schlaichter (Pianof

(Pianoforte). Agina benoforte). (WARSAW, 6.0—Schleichkorn (Viola) and Orlinska (Pianoforte). Lamento (Gabriel-Marie). Après un rève (Fauré). Gavotte (Fitzenhagen). Le cygne (Saint-Saëns). Hynn to the Sun (Rimsky-Korsakov). Scherzo (van Goers). 6.20—Talk from Wilno; Polish Towns and Villages-Grodno. 6.30—Zither Recital. Nocturne (Kollmanck). Doubt (Glinka). Italian Fantasy (Haustein). Waltz (Chlimski). 6.45—Announcements.

7 p.m.

- ATHLONE, 7.0—Talk by Dorothy Macardle, 7.15—Irish, 7.30— Time, 7.31—Revue—presented by Dorothy Day and Company, with Orchestra.
- BARCELONA, 7.0—Records. In the Interval at 7.15 : News. 7.45— Exchange.
- BARI, 7.10—For Greecc: Greek National Anthem; News in Greek; Time; Government Notes.

7.30-BELGRADE, 7.0-Songs. 7.30-Pianoforte Recital. Novelette BELGRADE, 7.0—Songs. 7.30— Pianoforte Recital. Novelette (Schumann). Pieces (Chopin):
 (a) Nocturne, (b) Waltz, (c) Ber-ceuse. Pieces (Smetana): (a) Furiant, (b) Hulan, (c) Kokica.
 BERLIN, 7.0—News. 7.10—See Leip-cin

BRESLAU, 7.0—News, 7.10—Modern German Chamber Music. BRNO, 7.0—Folk Play (contd. from

6.40). BRUSSELS (No. 1), 7.0-Nany Philippart (Songs), 7.30-Science Review; Educational Notes. BRUSSELS (No. 2), 7.0-Records (contd. from 6.45). 7.30-Book Review.

BUDAPEST, 7.0—" Les Cloches de Corneville" (Planquette) (contd.

BEROMÜNSTER, 7.0-Variety. BORDEAUX-LAFAYETTE, 7.45— Talk : Three Yugoslav Towns. BRATISLAVA, 7.0—Play (contd. from 6.40). 7.10—Discussion. 7.30—

Records.

(Stahl).

DEUTSCHLANDSENDER,

"Le positilon de Longjumeau" Opera (Adam) (contd. from 6.30) In the Intervals from 7.27-7.46; Report on the Sixth International Riding and Driving Tournament.

7 p.m. (contd.)

STUTTGART, 7.0-News. 7.15-Operetta Music, Station Orchestra, Station Choir, Else Blank (So-prano), Hanne Schmitz (Soprano), Walter Carnuth (Tenor), and Hubert Buchta (Tenor). Extracts, "Polen-blut" (Nedbal). "Gipsy Love" (Lehár), and "Farinelli" (Zumpe).

(Lehár), and "Farinelli" (Zumpe). TOULOUSE (Radio-Toulouse), 7.0-Violin (contd. from 6.45). 7.10-Operetta Songs. Songs. "The Dubarry" (Millöcker-Mackeben), "Frasquita" (Lehár), "Les cent Vierges" (Lecocq), "Deux sous de fleurs" (Benatzky), "Toi c'est moi" (Simons), and "L'amour masqué ('Messager). 7.30-News. 7.45-Orchestra. The Debutante (Doinque). Love's Dream after the Ball (Czibulka). Vindobona (Leopold). 7.50-Talk. TUBEIN 7.0-News: Pecords. 7.30

TURIN, 7.0—News; Records. 7.30 —Time; Announcements; Sports Talk. 7.45—" Addio, Giovinezza" —Operetta in Three Acts (Pietri).

VIENNA, 7.0—Sonata (contd. from 6.40). 7.15—"Das Spiel der Spiele"—Play (Josef Steck).

WARSAW, 7.0—Folk Song and Dance. Station Orchestra and Soloists. Conductor: Sygietyński. 7.45— News. 7.55—Talk: Work in News. Poland.

8 p.m.

ATHLONE, 8.0-Revue (contd-from 7.31). 8.30-Station Orchestra BARCELONA, 8.0—Sports Report; Records. 8.30—News; Book Re-view; Records. 8.55—Exchange.

BELGRADE, 8.0—Pianoforte (contdent from 7.30, 8.15—Concert 8.45from 7.30. 8. Time ; News.

BERLIN, 8.0-See 7.10 Leipzig.

BEROMÜNSTER, 8.0—News. 8:10 —Male Voice Choir; Bentz Quartet. Conductor: Schaub. Clara Hirt (Pianoforte).

(Pianoforte).
 FORDEAUX-LAFAYETTE, 8.0— English. 8.15—News; Exchange; Lottery Results; Request Records.
 8.30—Massenet Concert. Con-ductor: Guittaud. Gabrielle Privat and Pasquier (Songs). Ex-tracts from "Phèdre" (arr. Mou-ton). Overture, "Hippolyte et Aricie." Athenian March. Three Songs. Aria, "Le Cid." Prelude and Clair de lune, "Werther." Gavotte and Minuet, "Manon." Meditation, "Thaïs." Extracts, "Hérodiade" (arr. Mouton). Aria, "Werther." Duet, "Marie Magdeleine." Ballet, "Le Cid."
 BRESLAU, 8.0 — Modern German

BRESLAU, 8.0 — Modern German Chamber Music.

Chamber Music. BRUSSELS (No. 1), 8.0—Symphony Orchestra, Walloon Rhapsody (Bru-magne). Arabesque (Deleroix). Chant de rève (Frémolle). Oriental Fantasia (Mawet). Pieces (Léon Mawet): (a) Minauderie, (b) Folk Dance, (c) Guillerette. Kermesse en Brabant (Sarly).

BRUSSELS (No. 2); 8.0-Cabaret.

BUDAPEST, 8.0-----⁴ Les Cloches de Corneville " (Planquette) (contd. from 6.40). 8.40---News.

COLOGNE, 8.0 -- Variety from the Rheinlandhalle. DEUTSCHLANDSENDER, 8.0

"Le postillon de Longjumeau "-Opera (Adam) (contd. from 6.30). 8.57-News.

FRANKFURT, 8.0 — "Frühlings Jult" — Operetta (Strauss-Reiterer) (contd. from 7.10).

HAMBURG, 8.0-See 7.10-Leipzig. HILVERSUM, 8.0—Variety (cont. from 7.43). 8.15—Records, 8.25— Report on the Six Days Cycle Race at Brussels, 8.40—Variety (cont. from 7.43).

from 7.43). HUIZEN, 8.0 — Orchestra (contd. from 7.45). 8.15—Roman Catholic Address. 8.45—The K.R.O. Boys. Conductor: Lustenhouwer. Dit is het KRO-jaar (Erwin-v. Tol). I only have eyes for you (Warren). Isle of Capri (Grosz). Puppenlehen (Zander). Aubade d'amour (Monti). Pepita (Buchholz).

JUAN-LES-PINS (Radio Côte d'Azur), 8.0 – News. 8.15– Station Orchestra.

Station Orchestra.
KALUNDBORG, 8.0 — "The Neapolitan Opera Period" (contd. from 7.0). 8.10—Talk and Read-ing in Swedish: Swedish Poems of 1934. 8.40—Fall Concert. Radio Orchestra. Conductor: Mahler. Overture, "Die geschiedene Frau." Walte, "The Merry Peasant." March, "The-Dollar Princess."

LAHTI, 8.0-News in Swedish. 8.15 -Dance Music. LEIPZIG, 8.0—" The Great Stock taking Sale" — Variety (contd

taking Sale from 7.10).

LYONS (La Doua), 8.0—For Soldiers, 8.10—Esperanto, 8.20— Sports, 8.30—Variety, with Marcel Dambrine and Micheline Dambrine Hetty

MADRID (EAJ7), 8.15-News. 8.30 Marquez (Guitat), 8:15-News. 8:30 Márquez (Guitat), Recuerdos de la Alhambra (Tarrega), Gavotte, Maria (Tarrega), Spanish Serenade (Malatz), Mazurka, Marieta (Tarrega), Polka, Carmelita (Camacho), Arab Caprice (Tarrega).

(Camacho), Arab Caprice (Tarrega), MONTE CENERI, 8,0—Report on the International Ski-ing Chan-pionships from Grindelwald 8,30—Waltzes, Polkas and Mazur-kas by the Station Orchestra, Waltz (Gung'I), La polka de la reine (Raft), Mazurka brillante (Liszt), Waltz, Wienerblut (Strauss), Polka-mazurka (Strauss),

MUNICH, 8.0—Variety (contd. from 7.10), 8.10—" D' Prozesshos'n "— a Play in Three Acts (Max Dürr).

OSLO, 8.0—Station Orchestra (contd. from 7.0). 8.35—News.

PARIS (Poste Parisien), 8.0 — Inter-lude. 8.15—" Petite poupée"— Play in One-Act (Follereau). 8.45— Interlude.

Interlude. ARIS (PTT), 8.0 — Records, of Military Music. 8.30—Symphony Concert. National Orchestra. Con-ductor : Desormière. Dorothée Ruzitschka (Pianoforte) : Mar-guerite Pifteau (Songs). Sinfonies pour les soupers du' roi (Lalande-Desormière). Serenade (Mozart). Aria from the Christmas Oratorio (Bach). En habit de cheval (Satie). Valses romantiques (Chabrier-Mortil). Songs (Debussy) : (a) Colloque sentimental, (b) Le prome-noir des amants. Pianoforte Con-certo. Pianoforte and Contralto : Altorada del grasioso (Ravcl). ARIS (Radio-Paris). 8.0—" Vic-PARIS (PTT)

PARIS (Radio-Paris), 8.0—" Vic-toria and her Husar"—Operetta (Abraham). Choir and Orchestra. Conductor: Labis. In the interval at 8.30—News.

PRAGUE, 8.0—Revue (contd. from 7.45).

RADIO-NORMANDIE, 8.0-" Vio-lettes et Poireaux "-Play in Three lettes et Poireaux "-Pla Acts (Camille Robert).

REYKJAVIK, 8.0—Light Music. 8.10 —Weather. 8.20—Light Music. 8.50—Announcements.

RIGA, 8.0 — News. 8.15—" Light Opera Melodies " — sung by Adolfs Kaktins. 8.30—Dance Music,

ROME, 8.0—"Don Giovanni" Opera (Mozart) from the Royal Opera.

SOTTENS, 8.0 – Talk (contd. from 7.45). 8.10–News. 8.20–Radio Suisse Romande Orchestra : Operetta Music.

STOCKHOLM, 8.0 - Cabaret. 8.45

STRASBOURG, 8.0-News in Ger-man, 8.10-Announcements. 8.15 - Press Review in German. 8.30-Alsatian Evening, Conductor : Stoskopf,

STUTTGART, 8.0—Operetta Music (contd. from 7.15).

TOULOUSE (Radio-Toulouse), 8.0– Talk, 8.15–Tyrolese Music. 8.30 –Mandoline Orchestra. Balleto (Martini). Pizzicato, "Sylvia" (Delibes). Il était une fois (Sartory). Tempo di ballo (Scarlatti).

TURIN, 8.0—" Addio, Giovinezza " —Operetta (Pietri) (contd. from 7.45). In the interval : Book Review.

VIENNA, 8.0—Play (Steck) (contd. from 7.15) 8.10—Film Chat. 8.20—News. 8.30—Song Records, with Commentary.

WARSAW, 8.0 — Station Symphony Orchestra, Conductor: Straszyn-ski, Szczepanska and Witas (Songs). Introduction to and Aria, "Carmen" (Bizet) Arias ski, Szczepanska and Witas (Songs). Introduction to and Aria, "Carmen" (Bizet). Arias, "Rigoletto" (Verdi) and "The Pearl Fishers" (Bizet). Inter-mezzo, "Cavalleria rusticana" (Mascagni). Arias, "Manon" (Massenet), "La Bohöme" (Pucci-ni) and "Die tote Stadt," (Korn-gold). March, "Alda" (Verdi). 8,45 --Literary Talk.

9 p.m.

ATHLONE, 9.0–Songs in Irish by Michael MacAodhagain. 9.15– P. Clarke (Traditional Fiddle). 9.30–Songs in Irish by Maighread de Nagla. 9.45–Carl Hardebeck (Pianoforte).

BARCELONA, 9.0—Chimes; Weather. 9.5—Announcements. 9.10—Station Orchestra. 9.25— Francisco Beret (Baritone). Arias from "A Masked Ball" (Verdi), "Rigoletto" (Verdi), "La Favor-ita" (Donizetti) and "The Barber of Seville" (Rossini),

BELGRADE, 9.0-Songs with Or-chestra. 9.35-Station Orchestra.

BERLIN, 9.0-News. 9.20-Report: The Winter Sports at Garmisch-Partenkirchen. 9.35-See Breslau.

BEROMUNSTER, 9.0—Male Voice Choir and Quartet (contd. from 8.10). 9.15—Dance Records.

BORDEAUX - LAFAYETTE, 9.0-Massenet Concert (contd. from 8.30)

Massenet Concert (conta. from 5.30). BRATISLÁVA, 9.15—News and Sports Notes in Hungarian. 9.30— Station Orchestra. Conductor ; Dyk. Florentine March (Fock). Waltz (Zita). Song Potpourri (Silving). Sousedska (Langer). Riviera March (Vackar).

RESLAU, 9.0—News. 9.20—Report: The Winter Sports at Garmisch-Partenkirchen. 9.35—Station Dânce Band. Conductor: Ilguer. Hans Rothensce (Songs).

Rothensee (Songs). BRUSSELS (No. 1), 9:0-Commen-tary on the Six Days' Cycle Race from the Palais des Sports. 9:30-Radio Orchestra. Conductor : Gason. Gras (Pianoforte). Old French Dances and Songs (Brous-tet). English potpourri (Hall). Pianoforte : Rhapsody in Blue (Gershwin). Two Foxtrots (Elling-ton). Popular Belgian Airs (Wan-germée). ton). F

germée). BRUSSELS (No. 2), 9.0—Com-mentary on the Six Day's 'Cyčle Race from the Palais des Sports. 9.30— Orchestra. Conductor : Walpot. March, Semper fidelis (Sousa). Swabian Waltz (Krome). Jungle Drums (Ketelbey). Selection, "Frasquita" (Lehár). Waltz, Dans l'azur (Paradis). In the Har-bour of Port Said (Armandola).

bour of Port Said (Armandola). BUDAPEST, 9.0-Military Band. Conductor : Figedy-Fichter. Wine, Woman and Song (Strauss). Song (Ziehrer). Melody (Ganne). Song (Millöcker). Waltz (Waldteufel). Song (Strauss). Dornrose (Voll-stedt). Song (Fall). Gold and Silver (Lehár). Song (Strauss). Frauenherz (Strauss). Im Zirkus (Fahrbach). Waltz Potpourri (Robrecht). Es lebe Ungarn (Strauss). (Strauss). Im Zirkus (Waltz Potpourri (Es lebe Ungarn (Strauss).

COLOGNE, 9.0—News. 9.20— Report: The Winter Sports at Garmisch-Partenkirchen. 9.35— See Breslau.

DEUTSCHLANDSENDER, 9.0-News. 9.18-"Le postillon de Longjumeau"-Opera (Adam) (contd. from 6.30). 9.50-Weather.

FRANKFURT, 9.0—News. 9.15— Local News. 9.20—Report : The Winter Sports at Garmisch-Parten-kirchen. 9.35—Dance Music ; kirchen. Hauck Band.

HAMBURG, 9.0—News. 9.20— Report : The Winter Sports at Garmisch-Partenkirchen. 9.35— Music.

HILVERSUM, 9.0—Variety (contd. from 7.43). In the interval at 9.10— Mile. Hertha Gluckmann (Contralto)

MIIc. Hertha Gluckmann (Contralto) HUIZEN, 9.0—K.R.O. Boys (contd. from 8.45). 9.10—Recitations. 9.30—K.R.O. Boys. Ohne dich gibt's kein Vergnügen (Doelle). Nasty Man (Henderson). Aquarel-len (Strauss). Ahoi, ahoi (Schütz). Fair and Warmer (Warren). 9.55— Record.

JUAN-LES-PINS (Radio Côte d'Azur), 9.0-News, 9.15-Selec-tion, "Les cloches de Corneville" (Planquette).

(Franqueue). KALUNDBORG, 9.0.--News. 9.15 --Extract, "Dames "-Sound Film, from the Alexandra Theatre. 9.30 --Radio Orchestra. Conductor : Mahler. Overture, "Czar and Carpenter" (Lortzing). Wienerblut (Strauss). Mazurka, "Polenblut" (Nedbal). Minuet and Finale, Ballet Suite (Gal). Overture, "The Bar-tered Bride" (Smetana).

KÖNIGSBERG, 9.0-News. -Variety (contd. from 7.15). LAHTI, 9.0-Dance Music.

LEIPZIG, 9.0-News. 9.20-Dance Music. EmDe Orchestras 1 .63

LYONS (La Doua), 9.0-Variety (contd. from 8.30); News.

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SATURDAY Feb. 2

KÖNIGSBERG, 10.0-Variety (contd. from 7.15). LEIPZIG, 10.0—Dance Music.

MUNICH, 10.0-Station Dance Band.

Records : Light Music. PARIS (PTT), 10.0--Symphony Con-cert (contd. from 8.30), 10.30-News ; Dance Music. PARIS (Radio-Paris), 10.00-" Victoria and Her Hussar" (Abrahame (contd. from 8.0), 10.30-Danc) Music. Bailly Band. PRAG UF 10.0-10.30-Scc 9.30

PRAGUE, 10.0-10.30-Sce 9.30

RADIO-NORMANDIE, 10.0-Café

Concert. REYKJAVIK, 10.0—Station Trio; Choral Records; Dance Music. ROME, 10.0—"Don Giovanni" Opera (Mozart) (contd. from 8.0).

SOTTENS, 10.0-10.30-Dance Re-

STUTTGART, 10.0—See Breslau. TOULOUSE (Radio-Toulouse), 10.0— Songs. 10.15—News, * 10.30— "Sunshine after Rain "—Fantasy.

Sunshine after Rain — Pantasy.
 TURIN, 10.0—Records. 10.10—News in Italian and Spanish; Records.
 VIENNA, 10.0—Dance Music.
 WARSAW, 10.0—Weather. 10.5— Dramatic Programme. 10.35— Dance Records.

11 p.m.

BARCELONA, 1.0—Miguel Sabaté (Tenor). Arias from "Tosca" (Puccini), "Aida" (Verdi) and "L'Africaine" (Meyerbecr). 11.30

BERLIN, 11.0—See Breslau, BRESLAU, 11.0—Dance Music, BRUSSELS (No. 1), 11.0—Dance

BRUSSELS (No. 2), 11.0-See Brus-

BUDAPEST, 11.0—Jozsef Paradi Cigány Band. 11.5—News.

Cigany Band, 11.5-News. COLOGNE, 11.0-See Breslau. FRANKFURT, 11.0-See Stuttgart. HAMBURG, 11.0-See Breslau. HILVERSUM, 11.0-Cycle Race Re-port (contd. from 10.55), 11.10-11.40 -Records.

PARIS (Poste Parisien), 11.0-Re-cords: Light Music. PARIS (PTT), 11.0-Dance Music. PARIS (Radio-Paris), 11.0-Dance

OULOUSE (Radio-Toulouse), 11.0 --Fantasy (contd. from 10.30), 11.5-Request Music. 11.15-Orchestra. Monte Cristo (Cottler), Millionenwalzer (Strauss). Poranek (Lindsay). Aria, "La basoche" (Messager). Aria, "Rigoletto" (Verdi), 11.50-Soloists.

VIENNA, 11.0-Dance Music, 11,15

12 midnight

FRANKFURT, 12.0-See 11.0 Stutt-

REYKJAVIK, 12.0-Dance Music.

STUTTGART, 12.0 — Orchestra (contd. from 11.0).

toord, from 11.0). TOULOUSE (Radio-Toulouse), 12.0 —News, 12.5—"Au caveau de minuit "—Fantasy. 12.15-12.30— Orchestra. Overture, "Corio-lanus" (Beethoven). Selection, "diphigenia in Aulis" (Gluck)

-Records. WARSAW, 11.0-Dance Music.

BARCELONA, 12.0-News.

HUIZEN, 11.0-Records.

ing (contd. from 8.30). 10.25-Review. 10.30-Dance Music.

-Alsatian Even-

MADRID

News. 10 from 9.0).

Bratislava

STRASBOURG, 10.0-

Records

(EAJ7), 10.0-Chimes; 10.15-Opera Relay (contd.

MADRID (EAJ7), 9.0—Relay of an Opera from the Gran Teatro del Liceo, Barcelona. MONTE CENERI, 9.0—Dance Re-cords. 9.15-9.30—Weekly Review for Swiss Nationals Abroad.

MUNICH, 9.0-News. 9.20-To be announced.

announced. OSLO, 9.0—Topical Talk. 9.15— Variety. 9.45—Dance Records. PARIS (Poste Parisien), 9.0—Dance Music. Station Jazz Band. Con-ductor: Romans. In the Interval at 9.30—Interlude; News. MUNICH, 10.0-Station Dance Bally, Conductor: Aulich. OSLO, 10.0-Dance Records. PARIS (Poste Parisien). 10.0-Dance Music (contd. from 9.0). 10.30-Records : Light Music.

ductor: Romans. In the Interval at 9.30--Interlude; News. PARIS (PTT), 9.0--Symphony Con-cert (contd. from 8.30). PARIS (Radio-Paris), 9.0-" Victoria and her Hussar"--Operetta (Abra-hani) (contd. from 8.0). In the Interval at 9.15--News; Review by Arnyvelde. PRAGUE, 9.0-News; Sports. 9.15 --Records. 9.30--See Bratislava. RADIO-NORMANDIE, 9.0-" Vio-lettes et Poireaux"--Play (contd. from 8.0): 9.30--Concert. Aria, "Orpheus" (Gluck). Two Songs, " Philémon. et Baucis" (Gounod). Two Songs, " The Dubarry " Aria, "Werther" (Massenet). Aria, " Dido " (Puccini): Aria, " Caval-leria rusticana" (Mascagni). REYKJAVIK, 9.0--Time; News. 9.30--Reading. RIGÁ, 9.0--Dance Music,

9.30-Reading. RIGA, 9.0-Dance Music, ROME, 9.0-Don Giovanni " Opera (Mozart) (contd. from 8.0). SOTTENS, 9.0-Operetta Music (contd.from 8.20), 9.5-Talk : The Work of the League of Nations. 9.25-Dance Records. STOCKHOLM, 9.0. Dance Music

STOCKHOLM, 9.0—Dance Music. STRASBOURG, 9.0—Alsatian Even-ing (contd. from 8.30).

STUTTGART, 9.0.-News, 9.20-Report : The Winter Sports at Garmisch-Partenkirchen. 9.35-See Breslau. TOULOUSE (Radio-Toulouse), 9.0-

Concert Version, "Ciboulette" Operetta (Hahn). 9.45—Sound Film Music, TURIN, 9.0—"Addio, Giovinezza" —Operetta (Pictri) (contd. from 7.45).

VIENNA, 9.0-Song Records (contd. from 8.30). 9.30-News. 9.50-Kart Krall Jazz Band. Songs by Heinrich Friedl.

WARSAW, 9.0-Announcements. 9.15 --Dance Music.

10 p.m.

ATHLONE, 10.0—Variety. 10.30— Time : News ; Weather. 10.40— Records.

Records. BARCELONA, 10.0—News. 10.30— Manuel Partagás (Tenor). Arias from "El huésped del Sevillano" (Guerrero), Luisa Fernanda (Mo-reno Torroba), "La Dolorosa" (Serrano) and "Isabel" (Planas). BELGRADE, 10.5—Records. HUIZEN, 11.0—Records. KALUNDBORG,11.0-11.15—Chimes; Petersen Dance Band. KÖNIGSBERG, 11.0 — Börschel Dance Band from the Town Hall. LEIPZIG, 11.0—Dance Music. MADRID (EAJ7), 11.0—Opera Re-lay (contd. from 9.0). 11.45— News.

BERLIN, 10.0-See Breslau.

BEROMÜNSTER, 10.0-Weather.

BORDEAUX-LAFAYETTE, 10.0— Massenet Concert (contd. from 8.30). After the Concert : Amuse-ment Guide.

BRATISLAVA, 10.0-Station Orches-tra (contd. from 9.30).

BRESLAU, 10.0-Dance Music. BRUSSELS (No. 1), 10.0-News. 10.10-Dance Music. Max Alexys Orchestra from the Ancienne Bel-

Music. RADIO-NORMANDIE, 11.0—Café Concert ; Dance 'Music. REYKJAVIK, 11.0—Dance Music. STRASBOURG, 11.0—Dance Music. STUTIGART, 11.0—Baden-Baden Symphony Orchestra, Conductor : Albert gique Albert. TOULOUSE (Radio-Toulouse), 11.0 Fontacy (contd. from 10.30). BRUSSELS (No. 2), 10.0-News. 10.10-See Brussels No. 1.

BUDAPEST, 10.0-Military Band (contd. from 9.0). 10.25-Joszef Paradi Cigány Band.

COLOGNE, 10.0-See Breslau.

HAMBURG, 10.0-See Breslau.

HILVERSUM, 10.0—News. 10.15-Variety (contd. from 7.43). 10.40-Records. 10.55-Report on th Six Days' Cycle Race at Brussels.

HUIZEN, 10.0—Records. 10.10— News, 10.15—K.R.O. Boys. Was spielt die Welt (Dostal). Over my shoulder (Woods). Waltz (Rust). All I do is dream of you (Brown). 10.40—Records.

KALUNDBORG,

on the

10.0-Petersen

gart

DEUTSCHLANDSENDER, 10.5 – Report: The Winter Sports a Garmisch-Partenkirchen. 10.20– See 10,0 Frankfurt. at FRANKFURT, 10.0-Hauck Dance

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JANUARY 25, 1935

STATIONS IN ORDER OF FREQUENCIES AND WAVELENCTHS Corrected in accordance with the latest official information available at the time of going to press

	Cor	rected	in accordance with the latest official i	ntorma	ition av	allable	at the time of going to press
kc/s	m.	kW	Station Dial Readings	kc/s	m.	kW	Station Dial Readings
			Band No. 1: 150-300 kc/s	804	373.1		Scottish Regional (Gt. Britain)
155	1935	7	Kaunas (Lithuania)	814	368.6		Milan I (Italy)
	(- 7	Huizen (Holland) (Hilversum	823	364.5	12	Bucharest (Romania)
160	1875	50	Pgrm. and Announcements) Kootwijk (Holland) (Transmits	832 841	360.6	100 100	Moscow IV (U.S.S.Ŕ.)
100	10/5	50	Hilversum pgrm. after 3.40 p.m.)	041	330.7	I	Denner (Sterrer)
		20	Brasov (Romania).				Aalesund (Norway)
166	1807	40	Lahti (Finland)	0		0.5	Bodö (Norway)
174	1724	500	Moscow I (U.S.S.R.)	850	352.9		Porsgrund (Norway)
182	1648	80	Radio-Paris (France)	P	-	I	Sofia (Bulgaria)
187.5	1600	.5	Istanbul (Turkey)	1		I.5	Valencia (Spain)
191	1571	60	Deutschlandsender (Germany)	859	349.2	IO	Simferopol (U.S.S.R.)
200	1500	150	Droitwich (Gt. Britain)	868	1	25	Strasbourg (France) J
		35	Irkoutsk (U.S.S.R.) J Minsk (U.S.S.R.).	877	345.6 342.1		Poznań (Poland)
208	I442	35 16		886	338.6	50 7	London Regional (Gt. Britain)
215	1395	13	Reykjavik (Iceland) J Eiffel Tower (Paris) (France)	895	335.2		Graz (Austria)
216	1389	30	Motala (Sweden)	904	331.9	100	Hamburg (Germany)
217.5		100	Novosibirsk (U.S.S.R.)	1	6	IO	Dniepropetrovsk (U.S.S.R.)
224	1339	120	Warsaw (Poland)	079	328.6		Limoges (PTT) (France)
220	1304 {	150	Luxembourg	913	320.0	60	Toulouse (Radio - Toulouse)
230	- (7	Ankara (Turkey)	-	1		(France)
232	1293	20	Kharkov (U.S.S.R.)	922	325.4	32	Brno (Czechoslovakia)
238	1261	60	Kalundborg (Denmark)	932	321.9	15	Brussels II (Belgium)
240	1250	0.5	Vienna Experimental (Austria)	941	318.8	12	Algiers (North Africa)
245	1224.	100	Leningrad (U.S.S.R.)		U	IO	Goteborg (Sweden)
256.4 260	1170 1154	25 60		950	315.8	100 100	Breslau (Germany)
271	1107	100	Oslo (Norway)	959	.312.8	100	Poste Parisien (France)
280	1071.4	35	Tiflis (U.S.S.R.)	968	309.9	IO	Odessa (U.S.S.R.)
		20	Band No. 2. 300-500 kc/s	900	3-7.7	2	Ukhta (U.S.S.R.)
	010 1	10	Finnmark (Norway)	977	307.1	50	W. Regional (Gt. Britain)
355	845	20	Rostov-on-Don (U.S.S.R.)	1	1	IO	Genoa (Italy)
359.5	834.5	20	Budapest II (Hungary) (Testing).	986	304.3	2	Cracow (Poland)
375	800	50	Sverdlovsk (U.S.S.R.)		J	16	Torun (Poland) (Testing).
392	765	0.6	Boden (Sweden)	995	301.5	20	Hilversum (Holland) (Huizen
401	748 {		Geneva (Switzerland)		0.0		Pgrm. and Announcements)
	11	ICO	Moscow III (U.S.S.R.)	1004	298.8	13.5	Bratislava (Czechoslovakia)
413.5	726	0.6	Ostersund (Sweden)	1013	296.2	50	North National (Gt. Britain)
	696	10	Voroneje (U.S.S.R.)			5	Tchernigov (U.S.S.R.) }
431	688	I.2 IO	Oulu (Uleaborg) (Finland)	1022	293.5	3	Barcelona EAJ15 (Spain).
436	000	ŤO	Ufa (U.S.S.R.)	-	2	0.7 60	Oviedo (Spain) J Heilsberg (Königsberg, Germany)
517	580		Tartu (Estonia)	1031	291	5	Parede (Portugal)
			Hamon (Namuer)				Leningrad II (U.S.S.R.)
519	578	0.5	Innsbruck (Austria)	1040	288.5	40	Rennes (Radio PTT Ouest) (Fr.)
620	560 D [5	Ljubljana (Yugoslavia)	1050	285.7	50	Scottish National (Gt. Britain)
527	569.3 {	10	Viipuri (Finland)	1059	283.3	20	Bari (Italy)
536	559.7 {	I	Bolzano (Italy)	1068	280.9	4	Tiraspol (U.S.S.R.)
	(16	Wilno (Poland)	1077	278.6	12	Bordeaux Lafayette (France)
546	549.5	120	Budapest (Hungary)	1086	276.2	2	Falun (Sweden)
556	539.6	100	Beromünster (Switzerland)	1000	2/0.2		Zagreb (Yugoslavia)
565	531	60	Athlone (Irish Free State)	1095	274		Madrid EAJ7 (Spain)
674	522.6	4 100	Palermo (Italy) J Stuttgart (Germany)			IO	Vinnitsa (U.S.S.K.)
574	1	15		1104	271.7 {	50 I.5	Naples (Italy)
583	514.6	IS	Grenoble (France)	1113	269.5		Moravská-Ostrava(Czechoslovakia)
592	506.8	100	Vienna (Austria)	***>	209.5	I	Belfast (N. Ireland)
601	100.25	25	Rabat (Morocco)	1122	267.4		Nyiregyháza (Hungary)
	499.2	IO	Sundsvall (Sweden)			0.25	Alexandria (Egypt)
610	491.8	20	Florence (Italy)	1131	265.3	IO	Hörby (Sweden)
620	483.9	15	Brussels I (Belgium)	1140	263.2	7	Turin (İtaly)
		20	Cairo (Egypt)	1149	261.1	50	London National (Gt. Britain)
629	476.9	20 15	Trøndelag (Norway) Lisbon (Barcarena) (Portugal)		1	50	West National (Gt. Britain)
638	470.2	120	Prague I (Czechoslovakia)	1158 1167	259.1 257.1	2.6 15	Kosice (Czechoslovakia)
	6	15	Lyons (La Doua) (France)	1107	255.I		Copenhagen (Denmark).
648	463	10	Petrozavodsk (U.S.S.R.)	1185	253.2	IO	Kharkov II (U.S.S.R.)
658	455.9	100	Cologne (Germany)		- 55.2 (Cassel (Germany)
668	449.1	50	North Regional (Gt. Britain)			17	Frankfurt (Germany)
677	443.I		Sottens (Switzerland)	1195	251	5	Freiburg-im-Breisgau(Germany)
686	437.3	2.5	Belgrade (Yugoslavia)			1.5	Kaiserslautern (Germany)
695	431.7	7	Paris (PTT) (France)			2	Trier (Germany)
704	426.I 420.8	55	Stockholm (Sweden)	1204	249.2	5	Prague II (Czechoslovakia)
713	415.5	50	Rome (Italy)			0.1	Tromső (Norway).
/	10.5	30	Madrid (Radio-España) (Spain)]	1213 1222	247.3	5	Lille (Radio PTT Nord) (France)
731	410.4	1.5	Seville (Spain)	1222	245.5	10	Trieste (Italy)
		20	Tallinn (Estonia) .		243.7) I	Cork (I.F.S.)
740	405.4	100	Munich (Germany)	1240	241.9		Swedish Relay Stations
	. (5	Marseilles (PTT) (France)	1249	240.2	2	Juan-les-Pins (Radio Côte d'Azur)
749	400.5	I	Pori (Finland)		1		(France)
= = 0	20-0	0.2	Sortavala (Finland)		1	IO	Kuldiga (Latvia)
758	395.8	12	Katowice (Poland)	· 1258	238.5	I	Rome III (Italy)
767	391.1	25 10	Midland Regional (Gt. Britain)		ļ		San Sebastian (Spain)
776	386.6		Stalino (U.S.S.R.) Toulouse (PTT) (France)	1267	236.8		Augsburg (Germany)
110	30000		Fredrikstad (Norway)				Nürnberg (Germany)
785	382.2	120	Leipzig (Germany)	1276	235,1		Christiansand (Norway) }
	11	5	Barcelona EAJt (Spain)		i i		Aberdeen (Gt. Britain)
795	377.4	16	Lwów (Poland)	1285	233.5		Dresden (Germany)

STATIONS IN ORDER OF FREQUENCIES AND WAVELENGTHS (Continued)

kc/s	m.	kW ^a Station	Dial Readings	kc/s	m.	k₩	Station	Dial Readings
1	1.6	0.5 Linz (Austria)	7.1 1 8	1393	215.4	5	Radio-Lyons (France)	
1294		0.5 Dornbirn (Austria)		1402.	214		Swedish Common Wave	*
	231.8	4.2 Klagenfurt (Austria)		1411	212.6	2	Portuguese Common Wave	
	l	2 Vorarlberg (Austria)]	1420	211.3		Tampere (Finland)	
1303	230.2	0.5 Danzig (Danzig Free City)		I424	210.7		Radio LL (Paris) (France)	
	1	0.25 Karlstad (Sweden)			1		Beziers (France)	
1312	228.7	1.25 Malmö (Sweden)		1429	209.9		Newcastle (Gt. Britain)	
*3**	220.7	0.25 Norrköping (Sweden)				0.5	Alexandria II (Egypt)	
	L	0.25 Trollhättan (Sweden)			L		Turku (Finland)	
1321	227.1	0.8 Budapest II (Hungary)		1438	208.6		Magyaróvar (Hungary)	
		I.5 Bremen (Germany)			207.0		Miskolc (Hungary)	J
	and	1.5 Flensburg (Germany)		1447	207.3		Spanish Common Wave Radio-Normandie (Fécamp) (F	
1330	225.6	1.5 Hanover (Germany)		1456	200		D /IT	00)
		I.5 Magdeburg (Germany)	1	1465	204.8		Antwerp (Belgium)	
	. 6	5 Montpellier (PTT) (France)		1403	204.0		Courtrai (Belgium)	
1339	224	1.7 Lódz (Poland)		-	1		Bournemouth (Gt. Britain)	1
1	1	I Bordeaux-Sud-Ouest (France)	1	I474	203.5		Plymouth (Gt. Britain)	
		0.2 Dublin (Irish Free State)			i c		Binche (Belgium) .	j l
	11	0.15 Rjukan (Norway)		-			Chatelineau (Belgium)	
		0.5 Salzburg (Austria.		1492	201.1	0.1	Wallonia (Belgium)	
1348	222.6	2 l'Ile de France (France) .	<pre>></pre>		1	0.2	Nîmes (France)	3
		4 Milan II (Italy)			1	O.I	Liége Experimental (Belgium)	
		0.5 Cairo II (Egypt)					Radio-Cointe (Belgium)	
	11	0.5 Königsberg (Germany)		1500	200		Wallonia (Belgium)	
1357	221.1	0.15 Notodden (Norway)	1	1300	200		Seraing (Belgium)	
*337	221.1	0.2 Turin II (Italy)					Verviers (Belgium)	
1375	218.2	0.5 Basle (Switzerland)	}		1		Pietarsaari (Jacobstad) (Finland	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	1	0.5 Berne (Switzerland)	1	1530	196		Karlskrona (Sweden)	
1384	216.8	2 Warsaw II (Poland)		1737	173	0.1	Liepàja (Latyia)	

DEVIATIONS

The following are actual deviations from the official frequencies as measured at the Tatsfield Checking Station during the past week.

283 349 510.7 514.6 798.6 818	583	Tiflis (U.S.S.R.) Finnemark (Norway) Hamar (Norway) Tartu (Estonia) Barcelona EAJ1 Bucharest (Romania)	• • • • • •		895 1022 1355.8 1356 1363	335.2 293.5 221.3 221.2 220		Limoges (France) Cracow (Poland) l'Ile de France Milan II (Italy) Turin II (Italy)		· ·	
		1		For List of Short-Wave	. Stations	s sec page	26.		-		

MEDIUM-WAVE STATIONS IN AMERICA

U.S.A., Canadian, Central and South American transmitters (5kW or more) in order of frequency and wavelength

0.000		-											
METRES	Kc/s	Power (kW)	CALL-SIGN AND SITUATION	METRES	Kc/s	POWER (kW)	CALL-SIGN AND SITUATION	1 METRES	Kc/s	Power (kW)	CALL-SIGN AND SITUATION		
			U.S.A.	289.2	1.070	50	WTAM, Cleveland, Ohio.	319	940	5	XFO-XEFO, Mexico, D.F.		
	110			277.6	1,089	50	WBT, Charlotte, N.C.	315.6	950	10	XEAW, Reynosa, Tams., Mexico		
468.5	640	50	KFI, Los Angeles, Cal.			5	WCBD, Zion, III.	291.2	1,030	10 30	XEB, Mexico, D.F. XENT, Nuevo Laredo, Mexico.		
161.4	659	5	WOI, Ames, lowa. WSM, Nashville, Tenn.	1 400 4		5	WMBI, Chicago, III.	254.2	1,180	15	HIJK, Santo Domingo, Domini-		
461.4 454.3	660	50	WEAF, New York.	275.1	1,090	59	KMOX, St. Louis, Mo.	234.2	1,100	10	can Republic.		
434.5	670	5, C.P. 59	WMAQ, Chicago, Ill.	272.6	1,100	10	**KWKH, Shreveport, La. WLWL, New York.		[]				
441	. 680	50	KPO, San Francisco, Cal.			51	WPG, Atlantic City, N.J.				SOUTH AMERICA		
		1, C.P. 5	WPTF, Raleigh, N. Car.	270.1	1,110	5	WRVA, Richmond, Va.	476.2	630	5 .	LU3, Buenos Aires, Arg.		
428.6	700	50,S.A 500Exp.	WLW, Cincinnati, Ohio.	265.3	1,130	50	KSL, Salt Lake City, Utah.		000	5	LS3, "Radio-Mayo," Buenos		
422.3	710	5, C.P. 50	WOR, Newark, N.J.			20	WJJD, Chicago, Ill.				Aires, Arg.		
416.4	720 740	50	WGN, Chicago, III.	263	1,140	25	KVOO, Tulsa, Olda.	461.4	650	. 5 .	VX6, Montevideo, Uruguay.		
405.2	750	50 10	WSB, Atlanta, Ga. WJR, Detroit, Mich.		4 4 8 0	5	WAPI, Birmingham, Ala.	447.5	670	- 5	LS4, "Radio-Porteña," Buenos		
399.8 394.7	760	30 S.A. 20 add.	WJZ, New York.	260.7	1,150	50	WHAM, Rochester, N.Y. WOWO, Fort Wayne, Ind.	100.0	710	5	Aires, Arg. LS1, "Radio-Municipal," Bue-		
334.1	100		WOLL, NEW LOSN.	258.5	1,160	10 5	WWVA, Wheeling, W.Va.	422.3	/10	Ð	nos Aires, Arg.		
389.4	770	exp. 25	WBBM, Chicago, Ill.	256.3	1.170	50	WCAU, Philadelphia, Pa.	379.5	. 790	11	LR10, "Radio-Cultura,"		
		5	KFAB, Lincoln, Nebr.	254.2	1,180	5	KEX, Portland, Ore.	017.0			Buenos Aires, Arg.		
379.5	790	7.5	KGO, San Francisco, Cal.			10	KOB, Albuquerque, N. Mex.	361.2	830	29	LR5, "Radio-Excelsior," Buo-		
	800	50	WGY, Schenectady, N.Y.	252	1,190	50	WOAI, San Antonio, Tex.		-		nos Aires, Arg.		
374.8	800	50 50	WBAP, Fort Worth, Tex. WFAA, Dallas, Tex.	205.4	1,460	- ++10	KSTP, St. Paul, Minn.	- 344.6	870	37	LR6, "Radio-La Nacion,"		
370.2	810	50-	WCCO, Minneapolis, Mina.	204	1.470	19	WJSV, Alexandria, Va. tKGA, Spokane, Wash.	329.5	910	10	Buenos Aires, Arg. LR2, "Radio - Argentina,"		
365.6	820	50	WHAS, Louisville, Ky.	204	1,470	5	WLAC, Nashville, Tenn.	349.5	210	10	Buenos Aires, Arg.		
361.2	830	50	KOA, Denver, Colo.	202.6	1,480	5	KOMA, Oklahoma City, Okla.	315.6	. 950	- 14	LR3," Radio-Nacional," Buenos		
		5	WRUF, Gainesville, Fla.	10110		5	WKBW, Buffalo, N.Y.				Aires, Arg.		
352.7	850	10	KWKH, Shreveport, La.	201.2	1,490	5	WCKY, Covington, Ky.	303	990	16	LR4, " Radio-Splendid,"Buenos		
248 6	860	10	WWL, New Orleans, La.				CANADA				Aires, Arg. LS5, "Radio - Rivadavia,"		
348.6 344.6	870	50 50	WABC-WBOQ, New York. WENR, Chicago, Ill.	434.8	690	10	CFRB, Twp. of King, Ont.	270.1	1,110	5.5	LS5, "Radio - Rivadavia," Buenos Aires, Arg.		
344.0	070	50	WLS, Chicago, Ill.	410.7	730	5	CKAC, St. Hyacinthe, Que.	260.7	1,150	7	LR8, "Radio-Paris," Buenos		
309.1	970	5	KJR, Seattle, Wash.	357.1	840	5	CRCT, Bowmanville, Ont.	200.7	1,100	· · ·	Aires, Arg.		
305.9	980	50	KDKA, Pittsburgh, Pa.	329.5	910	5	CRCM, La Prairie, Montreal,	252	1.190	20	LS2, "Radio-Prieto," Buenos		
303	990	50	WBZ, Boston, Mass.				Que.	1	-		Aires, Arg.		
300	1,000	50	WOC-WHO, Des Moines, Iowa.	312.5	960	15	CKY, Winnipeg, Man.	243.8	1,230	5	CPX, La Paz, Bolivia.		
294.1	1,020	10	KYW, Chicago, Ill.	291.2	1,030	10	CFCN, Strathmore, Alta. CKLW, Sandwich South Twp.			10	LS8, "Radio-Stentor," Buenos		
288.4	1,040	10 10	KRLD, Dallas, Tex.' KTHS, Hot Springs National			2	Essex County, Ont.	ABBRE	VIATIO	NC.	Aires, Arg.		
		10	Park, Ark.				CENTRAL AMERICA	CP_	-construc	tion permit gr:	anted ; S.A special authorisa-		
_		50	*WTIC, Hartford, Conn.	-				tion grat	tod : A	dd : additional	; Exn. : experimental.		
0.5		5	KFBI, Abilene, Kansas.	508.2	590	60	XEPN, Piedras Negras, Coah.,						
285.5	1,050	50	KNX, Los Angeles, Cal.		800	-	Mexico.	+ S.A. 6	xp. only	; see 282.8 met	105		
282.8	1,060	10	†KTHS, Hot Springs National	399.8	750	5	XEAN, Ciunad Juarez, Chih. Mex XEYZ, Mexico.	** S A	AND OB	y ; see 352.7 m	ietres.		
		10	Park, Ark.	384.4 329.5	780	10	XEV, Mexico D.F. (Hacienda	tt S.A.	addition	al 15 kW, exp.,	until local sunset,		
		10	WBAL, Baltimore, Md.	347.5	, 910	5	de Coapa).	tt S.A. additional 15 kW, exp., until local sunset, tS.A. exp. to operate on 333.1 metres.					
		50	WTIC, Hartford, Conn.			11 7722 5 2							
			(Our Listeners' Query So	ervice fe	ature	"Which St	ation Was That?" appea	irs this a	weer o	n page 32)	-4		

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