

World-Radio

THE BBC FOREIGN PROGRAMME JOURNAL ★ EVERY FRIDAY 2^D
WITH FULL INFORMATION FOR THE LISTENER AND VIEWER



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MARCONI

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His Work: By Sir Noel Ashbridge

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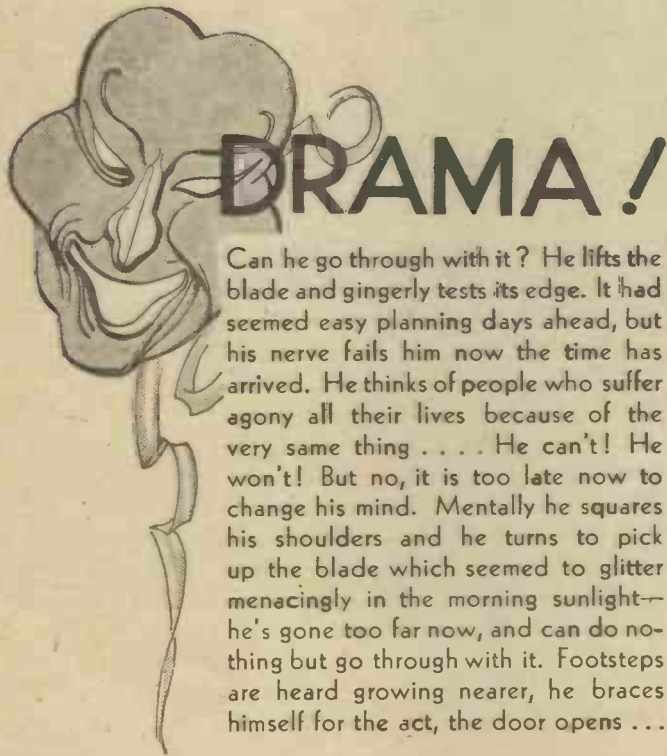


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WORLD



-RADIO

VOL. XXV. No. 627

JULY 30, 1937

Rich Fare from Salzburg

THE broadcasts arranged for next week from the Salzburg Musical Festival are so rich and various that they will rejoice the hearts of listeners who avidly await this outstanding musical event of the year. Monday opens with a transmission of *Don Giovanni* conducted by Bruno Walter. Vienna and Radio-Paris, and the latter's associated stations, will broadcast the opera in its entirety; while Brussels No. 1 and the British Regional stations will rebroadcast Act 2. Three artists, for many years connected with the Festival performances, will be making their first appearance this season: Ezio Pinza in the title-part, Luise Helletsgruber as Donna Elvira, and Elisabeth Rethberg as Donna Anna. On Thursday the season's first performance of *Die Meistersinger*, with Toscanini conducting, will be broadcast by the Eiffel Tower station. Athlone and the BBC National transmitters will take Act 2. On Saturday, both Eiffel Tower and Hilversum No. 2 will broadcast the second performance of *The Magic Flute*, conducted by Toscanini. The entire orchestral concert programme on Wednesday will be devoted to Richard Strauss. It will be broadcast by Vienna, Beromünster, and Monte Ceneri.

Daily Musical Dose from Vichy

Following the practice of recent summers, the French State network will broadcast music from Vichy for the six weeks beginning August 1. The morning concerts in the Hôpital Park and the afternoon concerts at the Casino will be broadcast every day. The Monday night music galas, comic operas on Wednesday nights, and the Friday night classical and international galas are also included in the broadcast programmes. The event which will probably attract most interest in this country is the gala of ancient and modern English music on Monday, August 23, at 8.30 p.m. This will be directed by Sir Thomas Beecham, who, it is announced, has invited the Vichy Symphony Orchestra to give concerts in London, Birmingham and Brighton from September 21 to 27.

Poignant August Memories

Two ceremonies in next week's programmes will recall poignant memories of August, 1914, and the tragic years which followed. The first, which will be broadcast from Radio-Paris at 3 p.m. on Sunday, is the unveiling of the American War Memorial at Montfaucon-d'Argonne, where the Americans fought heroically in the later phases of the Great War. General Pershing, who was Commander-in-Chief of the American Army, will unveil the Memorial, and there will be addresses by Marshal Pétain and Mr. William C. Bullitt, the American Ambassador to France. During

the proceedings a speech, delivered in Washington by President Roosevelt, will be rebroadcast, and the ceremony will conclude with an address by M. Lebrun, President of the French Republic. Then on Wednesday, August 4, the anniversary of the outbreak of hostilities, Brussels No. 1 will broadcast a programme at 8.45 p.m. recapitulating some of the dramatic incidents of that Black Bank Holiday—twenty-three years back.

THE AMERICA CUP RACE

Broadcasts from all American short-wave stations from Saturday, July 31 to August 7 (excluding Sunday), beginning at 5.30 p.m. and at intervals up to 11.15 p.m.

NBC "Hooks" G. B. S.

A surprise item from America—*Back to Methuselah* in 75 minutes! Following in the wake of the NBC and Columbia networks' current broadcasts of Shakespearian dramas comes the announcement that G. B. S. is preparing an abbreviated version of his famous five-cycle play for broadcasting by the NBC on August 30. On the face of it the condensation and adaptation of this tremendous work into a 75 minutes' microphone play seems well-nigh impossible. No one but the author himself would have tackled the job, and consequently its sparkling satire is not likely to suffer too drastically in the pruning. And you may rest assured that G. B. S., with all his modesty, is not "streamlining" for the fun of the thing.



Berlin's Birthday Celebrations

Next week Berlin will celebrate its seventh centenary, and a broadcast at 9 p.m. on Friday next, describing the evolution of the German capital, is appropriately entitled "Unter den Linden." The story of Berlin, written by Hans Rehberg, will be prefaced by an address by the Oberbürgermeister, Dr. Lippert. Earlier in the evening, at 8.10, there will be a broadcast of *Polifem* by Buononcini (see page 6), who is probably best remembered because of his rivalry with the great Handel.

Switzerland Rejoices

Switzerland, which celebrates its national day on Sunday next, is a shining example, in a fretful world, of how people speaking different languages can live in peace and unity if only there is the will. For centuries this small and virile country, with no fewer than four official languages, has gone serenely on its prosperous way, the envy, sometimes, of its bigger but less fortunate neighbours. The way in which its seemingly divergent interests are wedded in complete harmony is illustrated by Sunday's celebrations. The programme, which will be broadcast at 9 p.m. by all the Swiss stations, and also by Prague, opens with Zwyssig's *Swiss Psalm*, for chorus and orchestra. This will be followed by a descriptive item embracing a city (Geneva), the country (Lugano), and the mountains (Berne), in the languages—French, Italian, and German—common to each locality. The broadcast programme will also include an address by the President, Dr. Motta; and national songs in French, German, Italian and Romande.

The Montessori Congress

Educationists especially will be interested in the broadcast from the Danish stations, at 1 p.m. on Sunday, of the inaugural meeting of the Sixth International Montessori Congress, which is being held this year in Denmark. There will be an address of welcome by the Danish Minister for Education, and the reply of Dr. Montessori will be translated into Danish and English. The subject of the Congress is, "Educate for Peace," and the speakers from this country will include Lord Allen of Hurtwood, Mr. Philip Noel Baker, M.P., and Dr. Crichton-Miller.

"Lady Lindy's" Tragic Adventure

"Tough radio luck" stalked the fatal trail of the American round-the-world woman flyer, Miss Amelia Earhart, and her co-pilot, in the opinion of American radio experts, writes a correspondent. Miss Earhart's transmitter, a 50-watt unit operating with the call KHAQQ, was capable of giving reliable service in almost any part of the world, except possibly one—and that was the tropical expanses of the South Pacific, where the flyers disappeared. The transmitter operated on voice only, *via* two wavelengths, 3.10 and 6.21 megacycles. Code transmission was discarded before the trip, Miss Earhart and her pilot feeling that neither was competent efficiently to send or receive it. With the restricted power on these wavelengths, the distance and tropical static so combined that none of the scores of "reported" signals could be authenticated as actually coming from the plane.

ETHERVIATOR.

MARCONI PERSONAL MEMORIES OF A GREAT GENIUS

BY CAPT. H. J. ROUND



Guglielmo Marconi, at the age of five, with his mother

THE untimely death of Marchese Marconi came as a great shock to those who, like myself, had the good fortune to follow, and assist, in the evolution of radio, under his leadership. Their number is by no means small, and once each year hundreds who had been associated with him for twenty-five years met, to pay their respects, and to revive memories of the great romance. We shall meet again next year and, for years to come; the thoughts at those meetings will be of our Great Leader; of his powerful personality, and of his soft musical voice. The romance will grow as years go on, and his story will still be the inspiration of generations in the dim and distant future. Many great men have large pages in history—perhaps larger than Marconi—but few have left behind them such a legacy as Marconi's to inspire the youth of tomorrow to carry on his great work for the benefit of mankind.

Experiments in the Early Days

My own personal memories of Marconi do not go back quite so far as do those of the few who were associated with him before the end of Queen Victoria's reign. It was in those days that he devised his first instruments, and gave to ships at sea a means of communication which removed so many of the dangers of ocean travel. He lived to see his work carried to a degree which, I hardly think, even he could ever have imagined at the beginning. He must have had a feeling of great personal satisfaction when he

read of the recent flight of the Russian aviators over the North Pole, and their constant communication with the world during their journey. But for radio that flight, and all aviation development would undoubtedly have been much delayed.

Ship-to-ship, and ship-to-shore communication was just out of its infancy when I was lucky enough to join in the work, and my first few years were intimately connected with this particular use of radio. Stories of the magic of long-distance transmission, and Marconi's research came to me but, although I met him once in Chicago, it was not until 1908 that I got the chance I was longing for—to work with him personally. A little experiment of mine with radio telephony attracted his attention, and then my dream came true, and I was admitted to the inner circle.

In those days we had no fixed laboratory. Occasionally we would retire to Chelmsford for some development of an instrument, but the work was too big for a fixed abode and, during the next few years, our laboratory was sometimes at Clifden in Ireland, sometimes at Glace Bay in Canada, then at Coltano in Italy, on an Italian cruiser in the Mediterranean, and then in South America, from Buenos Aires to the Amazon. Then I would perhaps return to my little flat in Crouch End, where my aerial wire, running out of the front window to an empty house on the other side of the road, was a source of much worry to the policemen on their beat.

His Mother's Thermometer

There was not the babel then that we now hear on our radio sets, from waves of almost audio-frequency, down to television sound, for on such an aerial in those days there was almost a dead silence except for atmospherics. With great difficulty and pride one would get, if these atmospherics allowed us to, Poldhu or the Eiffel Tower, and sometimes a faint signal from a ship.

One of my strongest memories of those days is my first visit to the Haven Hotel, where, for many years, Marconi kept some rooms fitted as a laboratory. The rooms were full of all the early gadgets used in experiments before my time, and I spent many hours examining these relics, the purport of which I could not always fathom without asking him.

There I had many talks with his mother, and she told me of his youthful work. I remember her telling me of his pre-wireless attempts to invent, among other things, a new storage battery, and I still have the prescription for it, given to me by Marconi himself at a later date.

Then she told me of the great day when he came in from the garden of the house at Bologna and said . . . "Mother, I have made a new discovery which I believe will make me a famous man!" . . . The only thing that worried her at the time, she told me, was that he had borrowed her bathroom thermometer to make the coberer, and had forgotten to get her another one! It was on one of these visits to Pisa and Coltano, which we occasionally made, that Marconi met with the terrible motor accident in which he lost his right eye. I wonder now whether that shock to his system has been the primary cause of his premature death. It was only the fact that his car was rather heavily loaded, with passengers and baggage, that made me go by train instead, and I arrived in Genoa that night from Pisa to learn of the accident.

The War period broke up our long distance experiments and, after the War, the enormous development rendered possible by the valve took more of our time in the laboratory at Chelmsford. But Marconi kept in touch with our work, and we told him about our experiments on short waves, over the North Sea and to Canada.

Exploring the Short-Waves

One day he called me into his office at Marconi House and discussed these short waves with me. He told me he was going to carry out a great experiment with these waves from Poldhu to the *Elettra*. I told him that so far I could not see anything but local use for these waves; only at night would they go long distances. But no such discouragement could influence him. He carried out the tests and, when he returned from his southern trip to the Canaries, he sent for me and said: "Round, there is something funny about these short waves. Sunset and sunrise curves are behaving very differently to the way they do on long waves."

Through all our experiments on long waves we had plotted curves of strength of signals, and on all the wavelengths we had tested up to that time, round about the times of sunset and sunrise peculiar twists of the curves had occurred. In daylight the signals were weaker than at night, and the shorter the wave the more pronounced this effect. Marconi brought back the curves taken on 100 metres wavelength, in which an utterly new effect was shown; the night increase of signal extended well into daytime.

With all the keenness of a bloodhound on the scent, he planned more experiments. Our great bugbear of atmospherics was enormously minimised on these shorter waves, but at that date the short wave would only travel at night. Could a wave be obtained that would travel by day, and would have no atmospheric trouble?

The Last Great Discovery

Further tests in the Mediterranean were carried out immediately with 50 metres, with the most astounding result of still longer daytime distances with this shorter wave, and still less atmospherics. A few further tests from Chelmsford to various parts of the world, with waves down as low as 8 metres and Marconi's discovery of an entirely new field of reliable communication was complete. Even without the later tremendous development of the Beam Aerial, by Marconi and Franklin, world communication was now possible.

I have no space here to tell of Marconi's great interest in broadcasting, but one little story will not take long. Some experiments of ours in 1914 led to a demonstration of wireless telephony from Marconi House to the Savoy Hotel, where a distinguished audience listened. A great expert who is still living said to Marconi after the demonstration: "What is the use of telephony?; telegraphy can do it in a more certain way." Marconi replied: "Perhaps some day everyone will have a receiver in their house and, from a central station, news of all kinds will be constantly sent out—telephony will be more useful for that than telegraphy."

THE EAST LOOKS WEST

Ancient barriers are falling before the march of broadcasting, says Stanley Challon in this vivid pen picture of the Middle East



The main street in old Baghdad

THE Middle East is the cradle of the world, and here one looks for the treasures of bygone civilisations. In the past few centuries this portion of the world has been left far behind in the race for progress, and it is in the West that modern invention prospers.

The civilising influences of the West are, however, spreading rapidly. Air and motor transport have penetrated geographical barriers and social prejudices are being overcome by education. And it is in the social sphere that radio is playing so important a part. Indeed, there can be no place in the world where the effects of broadcasting are so apparent or so revolutionary as in the Middle East.

How interesting it is to see the effects of broadcasting on listeners in Iraq, Syria, and Iran, who, only in the past year or so, have been introduced to this novel form of education and entertainment. The life of Oriental music with its discords and dull repetition is threatened by the aerial onslaught of Western entertainment. The dancing girl is having to discard her centuries-old repertoire and take up "new-fashion" steps, and the quaint orchestra which accompanies her is changing its zithers for banjos and its tomtoms for drums. But the change is not confined to music. In speech, too, interest has been aroused—to such an extent that a knowledge of at least one European language is regarded as a necessity, and English or French is being taught in all State schools.

European music is rapidly becoming an acquired taste with all listeners. The coffee shops are thronged throughout the day, for here the business of the city is conducted and the leisure hours are spent. Strange to say, coffee is not the popular beverage at these establishments. Nowadays there is a distinct preference for small glasses of hot tea. All the patrons listen to the receiving set in the centre of the tables as it sends forth the latest airs from the Western capitals. "Men Only" is the custom; no women are seen in the coffee shops. Their radio entertainment must be arranged at home. The sophisticated townsman in smart modern tailored suit; the nomad from the desert in flowing burnous and richly adorned headdress; and the Kurd from the hills in his voluminous black trousers and gaily-decorated waistcoat, while away the hour with Oriental placidity.

The barber's shop, too, has its broadcasting

receiver to attract custom. Shaving to music is the fashion where the shave is a weekly affair, and, more often than not, includes the head.

In the home, the possession of a set is considered to be a hall-mark of modernity. Receivers are to be found in every modern house, but the British manufacturer has been slow to realise this, and he has lost considerable ground in the face of foreign competition. The majority of sets in use are of non-British manufacture, and are mostly mains sets. Electric light is in general use, and both AC/DC and AC receivers are available. But listeners in out-stations not supplied with electricity can purchase sets working from 6-volt motor-car accumulators, which give reception quite up to the standard of the all-mains set. To counteract the charging troubles associated with the use of accumulators, some firms have introduced an ingenious form of windmill charger, which is fixed to the roof of the house and gives excellent service.

Radio-gramophones are also popular, and one may often hear a selection of records comprising opera and the latest tunes played by the foremost British and American dance bands, together with the "hit" of the season from Cairo or Istanbul. A preference exists for the rumba.

Reception conditions vary, but a good standard receiver will bring in European news bulletins at any time of the day. It is quite usual to look at one's watch and say "news in five minutes," switch on the receiver, let it warm up, and then tune in to London.

This brings us to the matter of wavelengths. In spite of the advertised popularity of all-wave sets in England, there is still a lamentable ignorance on the part of the ordinary listener regard-

ing short-wave reception. Many people do not realise the vast distances covered and the ease and clarity of reception. How little, too, they realise the activities of other European nations "on the air." To tune in on the 19- or 25-metre band and receive news, in English, from Berlin, Paris, and Rome is a daily occurrence.

Receivers must be powerful enough to receive European programmes on wavelengths of 12 to 50 metres. Medium wavelengths are useful only in the winter, and the set must be very selective for clear reception.

It is better to have the loudspeaker separate from the receiver and both should be in dust-proof cabinets; that for the receiver being constructed of metal with a hinged lid and cooling vents. The speaker can be in a small metal or wooden cabinet to give a baffle effect.

The Britisher abroad is a bird of passage, and moves and transfers are frequent. Receivers and speakers in simple, but strong, cabinets are, therefore, desirable.

Dust is a pernicious trouble in dry countries, and will rapidly reduce efficiency in reception. To prevent this, variable condensers should be encased in some form of light metal shielding within the cabinet. The "works" should be laid out, on the engine-room principle, under the chassis, to allow of inspection of all components. Sale, with service, is not the general practice, and one must do one's own fault-finding. The best method of tuning-in is by means of a band-spread aeroplane tuning dial with a slow-motion vernier movement.

Aerials are also an important adjunct to good reception, and it is surprising to see that many of those in use are of the most modern type.

S. C.

THE BEAUTY OF POLISH DANCES

"World-Radio" last week told the story of Poland's place in history and broadcasting. The present article deals with that country's contribution to European dance music, which has played a prominent part in broadcasting programmes.

THE three most typical Polish national dances are the Polonaise, the Krakowiak, and the Mazur, and each of them has its own variations, forming a group of dances of a similar nature. But, apart from these three main types, there is another characteristic group of Polish national dances, of which the native highlanders' dances have an originality of their own. The Polonaise originated from the Polish gentry, and was adopted by the peasant folk, among whom it is better known as a "walking dance" or a march. In the first half of the 19th century, Polonaise music was fashionable, not only in Germany, but also in France, and even in the Italian opera.

Unlike the Polonaise, the Krakowiak is a folk dance. As its name indicates, it originated in the suburbs of Cracow—the capital of Poland for some centuries. While the Polonaise is always of a ceremonious character, the Krakowiak is a sort of country dance, and is generally accompanied with singing.

The Mazur originated in the Duchy of Mazovia—i.e., in that part of Poland in which, on the banks of the Vistula, the present capital, Warsaw, is situated. It is a very lively dance—"fire-like" as they say. It is worth noting that the so-called "Polka-Mazurka" has nothing in common with the Polish Mazur.

The Mazur has a number of variations, the most striking of which is Mazurka, as it is called outside Poland. Many of the Polish national songs of a sentimental character belong to the Mazur group, and the Polish National Anthem

is derived from it. Chopin, the greatest Polish composer, symbolised the restoration of his country's independence in his Mazurkas. From his early youth he knew the Polish folk music, often heard it sung by the country folk in Poland, danced it with passion and, during years of home-sickness, uttered his heartfelt feelings for Poland in his immortal Mazurkas.



Dancing the Wedding Polka

It has been left to the hardy dwellers among the Tatra peaks in the Carpathians to preserve the wild beauty of the Highlanders' Dances in their original form. These dances are characterised by leaps and frisks, and in some of the movements the attitude of the performers is menacing and wild.

S. A. C.

Letters to the Editor

WAGNER: BAYREUTH v. LA SCALA

SIR,—Anyone who has been used to hearing performances from La Scala, Milan, and heard the *Lohengrin* which that theatre produced two years ago, will surely sympathise with my opinion that this year's Bayreuth effort was not of a particularly high standard. The soprano and tenor were decidedly second-rate, and the women's chorus was not what I should call satisfactory.

I am sure that Germany can do better than this; though I doubt whether she can produce an Elsa as fine as Maria Caniglia or a chorus as efficient as those of the Milan and Rome opera houses.

Yours faithfully,
Bournemouth, July 25. OPERATICA.

DISTURBING THE PEACE

SIR,—If an itinerant "busker" was heard singing in the streets at midnight he would be "run in" for disturbing the peace, and it would be a good thing if similar measures were taken with the owners of portable receivers who disturb the peace of the countryside. This summer the nuisance has been more rampant than ever, and it is almost impossible to find a sylvan glade off the beaten track that is not sooner or later invaded by "Mr. Portable," usually bleating forth the inevitable sponsored programme.

If people can't be happy without noise, they should stay at home, or in the town, and not desecrate the countryside and spoil the contentment of others.

Yours faithfully,
(MISS) E. WOODHAM.
Cobham, Surrey, July 25.

UNRELIABLE PROGRAMMES

SIR,—"Francophile" wrote in a recent issue about "unreliable programmes." This fact I have remarked too. For example; in WORLD-RADIO in Saturday's programmes, for Paris PTT, it states, at 11.05 p.m., "Dance music from Radio-Paris" whereas they generally give a play, while Radio-Paris *does* give dance music!

The fault lies on the French side generally, but in this case I am inclined to think it is WORLD-RADIO's error.

Yours faithfully,
WILL ARVIN.

Guildford Street, W.C.1, July 15.
[The details published were those received from the stations in question.—Ed.]

French Journals Suffer, Too

SIR,—"Francophile" is not alone in complaining about the unreliability of French wireless stations, the State stations offending quite as frequently as the private stations. According to my experience, the French programme papers continually apologise to their readers for what is not their fault. Corrections are apparently sent out by the stations, but seem to arrive too late, not only for WORLD-RADIO, but also for the French programme papers. The daily papers are in a better position, but even they are occasionally wrong.

Of course, many events, such as important funerals, Government pronouncements, sporting events, etc., are arranged at short notice and upset the usual programme, but I make no complaint about changes due to such reasons, except that the political speeches are overdone.

Yours faithfully,
A. C. B.
Paris, July 20.

A RE-BROADCASTER OF ULTRA-SHORT WAVES

SIR,—May I be permitted, through the medium of WORLD-RADIO, to inquire whether readers have traced a mystery station on approximately 203 metres. Actually it encroaches on the Plymouth and Bournemouth wavelength. This station, apparently, has an obsession for relaying short-wave transmissions, particularly the sound transmissions from Alexandra Palace. I have had reception from this station by daylight, which seems to prove that the transmitter is situated locally.

The peculiar feature regarding the short or ultra-short wave transmissions is that they are not simultaneous with the actual broadcast, but follow about twenty minutes later. The reason for this, according to a theory expressed by a neighbour, is that it allows time for a record to be made of the original broadcast. Perhaps some readers can corroborate the facts mentioned above.

Yours faithfully,
W. WILSDEN.
Wimbledon, S.W.19.

Letters should be addressed to the Editor, "WORLD-RADIO," Broadcasting House, London, W.1. Letters intended for publication should be as brief as possible, and should always be accompanied by the full name and address of the writer, though not necessarily for publication.

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Broadcast Operas

10—*Polifem* (Buononcini)

AS prologue to the seventh centenary celebrations of Berlin, one of the earliest operas ever performed there, and, as it happens, the only one which has survived in manuscript till now, is being broadcast from Berlin and other German stations on Friday, August 6, at

8.10 p.m. The whole opera, revised by Gerd Kärubach, takes only fifty minutes to perform. The first performance was in 1702, in the theatre of Lietzenburg Castle, built by the first King of Prussia for his Queen Sophie Charlotte, a sister of our George I. Brought up in the art-loving traditions of the Hanover Court, the Queen did much to encourage music, and particularly opera, in her new realm. Her mother, visiting her in 1702, set down her impressions of

the Castle in glowing terms:—"Here it is as though we lived in an earthly paradise: from every window we can go into the gardens, . . . the ladies and Courtiers present comedies, and the musicians provide operas."

The Italians Buononcini and Ariosti, who were afterwards Handel's colleagues on the directorate of the Royal Academy of Music in London, were both in the service of the Queen, Buononcini as Court Conductor, Ariosti as viola d'amore player. They joined forces to produce *Polifem*, Ariosti writing the text and Buononcini composing the music. The Queen played the harpsichord part in the performance: the singers and members of the little orchestra were all musicians well known in their day, Ariosti and a brother of Buononcini as well as the composer himself. Among contemporary reports of the performance is one written by Telemann, then only twenty-one. He contrived to smuggle himself into the theatre, although the performance was intended only for the Court. His account, unfortunately, makes much more of his success in achieving that, than of the qualities of the opera, but it is safe to assume that such fresh and melodious music as Buononcini's must have ensured its own success.

The story of *Polifem* is typical of the baroque period. Beautiful Galathea is in love with Acis. But *Polifem*, the terrible monster, falls in love with her. Luckily, the goddess of love, Venus arrives in the last act and everything ends happily. There is also a secondary story, that of Glaukus, the shepherd; he loves Sylla, a beautiful nymph who, however, does not respond. The incarnation of evil sorcery, Circe, desires Glaukus, the shepherd, for herself, and transforms his adored Sylla into a monster. On the appearance of Venus, however, Glaukus wins Sylla, Galathea wins Acis, and *Polifem* is paired off with Circe.



The Brandenburger Tor, in Unter den Linden. "Unter den Linden" is the title of the transmission which follows *Polifem* as part of the special Berlin celebrations

Television News

TELEVISION'S OWN GARDEN

By "The Scer"

WHEN the BBC television service is resumed many viewers will be anxious to see how the Television Garden, in Alexandra Park, has progressed during the interval. Situated almost in the shadow of the transmitting mast and guarded by palisades, this quarter-acre of land provides Mr. C. H. Middleton with living illustrations for his fortnightly television talks.

Television transmissions will be resumed on August 16.

Actually, it represents a dozen different types of suburban garden—not the average type, perhaps, but the type which all amateur gardeners would like to possess.

Although the garden is still more or less in the embryo stage, the first "photogenic" blooms are already appearing—notably, some excellent dahlias. Work is proceeding on a rockery, and a bower which will one day support climbing roses and creeper is now *in situ*. Various kinds of paths have been made—crazy paving, gravel, and brick. Turf is being laid and the beds have been planned.

From a television point of view, an interesting feature of the garden is its patchwork appearance. No two corners are similar in design or content; in fact, to use studio parlance, the garden comprises perhaps twenty different "sets," or scenes, upon any of which the camera can be trained to give the impression that one is seeing a portion of a big garden designed on the same lines as the particular portion on the screen.

The television garden will never be finished. When one corner has been fully shown and described it will yield up its treasures so that Mr. Middleton can plant new blooms.

Like all gardeners, Mr. Middleton will wage perpetual war on weeds and insect pests, and some of the processes of extermination will give scope for good close-ups.



The Prince Bishop's Residence, looking on to the Cathedral Square

AT Salzburg—which was fortunate in escaping the devastating storms which swept across almost the whole of Austria during the week-end—the Festival opened on Saturday last, amid a brilliant scene, with *Fidelio*, conducted by Toscanini. The Festspielhaus was sold out for the performance. The Duke and Duchess of Windsor attended and sat beside the Governor of Salzburg Province. British and American visitors were present in greater numbers than ever before. The audience of two thousand was thrilled by what seemed to me a flawless per-

"TELEVISOR"

BAIRD Television Limited announces that registration of the word "Televisor" as a trademark is being abandoned and that this word will in future be free, so far as they are concerned, for general use as a word descriptive of television apparatus. In future, Baird Television Limited will market all their goods under the trade mark "Baird."

Salzburg Opens Brilliantly

(From our Vienna Correspondent)

formance of Beethoven's masterpiece, and enthusiasm was unprecedented, even for Salzburg. Threatening rain clouds on Sunday caused a change of plans in the presentation of *Everyman*, which was performed inside the Schauspielhaus instead of in the open in the Cathedral Square; and there again every seat had been sold.

Several improvements have been effected in the general arrangements at the Festival. Standing, both at the indoor and outdoor performances, has been abolished. Special facilities now permit the poorer residents of Salzburg to buy seats at six schillings. The Square in front of the Schauspielhaus has been greatly enlarged to facilitate the handling by the police of the hundreds of motor cars each evening.

An innovation this year is the nightly presentation of various operettas at the Municipal Theatre, which previously took an inadequate share in the Festival. Franz Lehár has composed a special ballet to precede the Second Act of his *Land of Smiles*, in which Alfred Piccaver will sing the leading tenor part. Hubert Marischka, who has always taken young-lover parts, will sing the part of the old man in the *Czardas Princess* and Emmerich Kálmán has written extra couplets for him. The Polish artist, Wojciech Ruszkowsky, will be Danilo in *The Merry Widow*; and Michiko Meinl will take the title rôle in Sidney Jones's *Geisha*, which enjoys unfading popularity in Austria. Lehár and Kálmán, among others, will personally conduct.

The casino bar under the gambling rooms competes with the cafés after the evening performances in attracting the festival votaries, who have come from all parts of the world.

An unusual feature of this year's attendances is the number of visitors arriving by aeroplane. The aerodrome has never before been the site of so much excitement.

LISTENERS' QUERY SERVICE

Which station was that?

This feature is intended for the use of readers who desire the identification of broadcasting stations only, whether on long, medium, or short waves. For particulars of amateur transmissions, readers are referred to the relevant paragraph below.

Time 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 midnight.

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."

K. PLEASE (Market Drayton): FVA, Algiers (N. Africa), on 33.48 m. **EARLY BIRD** (Sheerness): VK3LR, Lyndhurst (Victoria), is entitled to work on 13.93 m. in addition to the channel adopted for the regular broadcasts. **MUSICIAN** (Chislehurst): OXY, Skambleback (25.41 m.). **NIGHT BIRD** (Hove): The approximate distances from London in miles are as follows: (1) Guatemala City, 5,600; (2) Medellin, 5,390; (3) Santiago, Chile, 7,230; (4) Armenia (Colombia), 5,450; many thanks for information regarding Havana stations. **EXPLORER** (Buxton): Luxembourg background is heard near the channels mentioned. **NUISANCE** (Shirley): Scheveningen-Haven (Holland), a commercial transmitter on 1205 m. **SWINGSTER** (Streatham): Sofia (Bulgaria)

on 352.9 m. **DUDOSISIMO** (Gibraltar): No, there is no direct transmission of the Daventry Empire programme on the channel mentioned; regret, cannot trace. **ON THE AIR** (Spennymoor): (438) regret, cannot trace;

IDENTIFICATION COUPON (No. 442)

This coupon is valid for ONE QUESTION only and should be cut out and attached to a separate sheet, upon which the following questions should be answered in the order shown. A copy of the answers should be enclosed with FREE queries. No coupon more than one month old is valid. A coupon is not required from readers living in countries outside Europe who desire identification of transmissions.

1. Time and date of reception.
2. Approximate frequency in kilocycles (or, for short waves, in megacycles) per sec. (or wavelength in metres).
3. Nearest known stations, above and below.
4. Call or interval signal, if heard.
5. Language.
6. Type of receiver in use and strength of signals.
7. Details of programme or signal received.
8. Name and address.
9. Nom de plume. (*Proprietary names must not be used.*)

(439) possibly Lima, OAX4Z, on 49.33 m.; Radio Nacional S.A., Emisora OAX4, Avenida Abancay, 915, Lima, Peru. **WOODWEST** (Woodbridge): **WHERE IS IT?** (N.W.7): The broadcast was relayed to South Africa through one of the commercial transmitters; possibly VLZ3, Sydney. **ZUMMERZET** (Somerset): Surely Friday, July 9; not a direct transmission from the U.S.A., but apparently ancient dances (records) broadcast by Oslo and relayed by Christiansand. C. M. S. (Dublin): Swiss amateur experimental transmitter near Berne. **ARGUER** (Bournemouth): JZK, Tokio (Atagoyama), on 15.16 Mc/s. **THE JEEP** (Alton): (436) the wavelength suggested must be incorrect, as there is no channel allotted to an Italian station on or near this frequency; (437) the only U.S.S.R. station in that section of the band is RW99, Irkoutsk (16.84 m.), 20 kW, but we cannot confirm reception in your case; (440) the only station on or around that wavelength is HP5L, David (Chiriqui), Panama, working on 25.53 m.

AMATEUR TRANSMITTERS

The identity of amateur transmitters may be found in the "Radio Amateur Call Book." The Summer Edition (price 6s. post free) can be obtained from the BBC Publications Management Offices, 35, Marylebone High Street, London, W.1. The 1937 Edition of the "Radio Amateur Handbook," price 5s. 6d. post free, can also be had from the above address.

Esperanto Transmissions

Sunday: Lille (PTT) 9.30 *a.m.* Leciono kaj Rakontoj. **Monday:** Radio-Normandie, inter 9 kaj 10 *p.m.* Kroniko. **Tuesday:** Moravská-Ostrava, 6.00 *p.m.* Parolado pri Moravská. Tallinn, 8 *p.m.* Estonaj Kulturajoj, Rio de Janeiro (31.58 m.), 11.30 *p.m.* Informoj pri Brazilo. **Wednesday:** Paris (PTT) and relays 2.00 *p.m.* L'Esperanto en s'amusant. Barcelona (40 m.) 9.10 *p.m.* Bulteno pri la Hispana Milito. **Saturday:** Hilversum (1,875 m.) 4.20 *p.m.* Parolado. Rome (medium and short-wave) 7.00 *p.m.* Turisma Parolado pri Turismo en Italujo. Barcelona (40 m.) 9.10 *p.m.* Informoj pri la Hispana Milito.

The Father of Wireless

A Tribute to the Life Work of Marconi

By SIR NOEL ASHBRIDGE, B.Sc., M.Inst.C.E., M.I.E.E., Chief Engineer BBC

ALTHOUGH radio communication has not one but many inventors, the name of Marconi must for ever remain outstanding amongst those who have given its great benefits to mankind. By the general public he is regarded, and rightly, as the Father of Wireless, and broadcasting, which has followed the earlier development of wireless telegraphy, and is now regarded almost as one of the necessities of life, is thus a direct outcome of his work.

The bare possibility of signalling through space without conducting wires was known before Marconi's time, but it was his genius which first enabled the early experiments to be brought, towards the close of the last century, to practical use. At that time many scientists held that wireless communication was impracticable at any great distance, since the waves would be transmitted in a path tangential to the earth's surface. The basic development of Marconi, that of the use of an elevated and grounded transmitting and receiving aerial, was due to his belief that the waves would be guided by the curvature of the earth, and could thus be propagated to great distances.

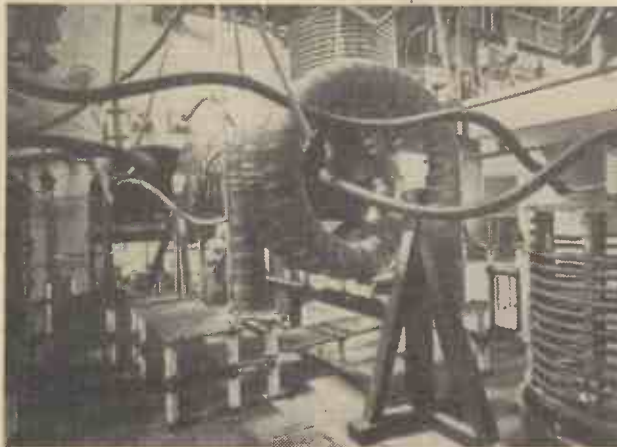
Marconi's earlier experiments showed that the range of transmission was increased by increasing the height of the aerial, and in practically all systems of radio communication which have since been developed the use of an elevated aerial is an essential feature. At the larger stations, such as the more powerful broadcasting stations, aerials on masts up to some 1,000 feet in height are now employed to increase radiation efficiency. In Marconi's initial experiments, and for many years afterwards, wireless communication was confined to telegraphy. It is not possible here to trace the stages of development through which its application to the marine and point-to-point services was brought to a successful commercial basis.

Until rather more than twenty years ago, the system of communication was by the telegraphic method only, and it was not until the advent of the thermionic valve that telephony between wireless stations became practicable. Wireless telephony is, however, only a particular application of radio science, and the basic inventions and developments of Marconi are employed exactly as in telegraphy systems. Thus it is true to say that broadcasting, which is a natural outcome of radio telephony, was made possible by Marconi's inventions and practical genius.

Until about 1920 all systems of radio communication were based on the use of the

ground wave following the curvature of the earth to the receiver, and in this case, as demonstrated by Marconi's early experiments, longer waves give the greater range. The many years of development before the introduction of broadcasting had shown that by the use of the medium or longer waves (above about 200 metres) reliable communication could be obtained at all times at moderate ranges. These lengths of wave are therefore eminently suitable for any system of internal broadcasting, such as that in Great Britain. It is interesting to note in passing that a wavelength of the order used by the Droitwich station (1,500 metres) for the national broadcasting service was used by Marconi in his historic experiments in 1901 when he first succeeded in transmitting signals across the Atlantic. It was, however, proved that to obtain reception suitable for commercial working at long ranges the power of the station had to be increased to an enormous extent, while for very great ranges, e.g. to the distant parts of the Empire, communication capable of affording an alternative to cables was unreliable on a commercial basis, even with the maximum power possible and the use of the longest waves.

With the advent of the thermionic valve as a generator many experimenters had succeeded occasionally in intercommunicating at world-



1918: Carnarvon station from which signals were first sent to Australia (Sept. 22, 1918) on 14,000 metres

wide ranges using waves much shorter than 200 metres. Marconi, who had already in 1916 investigated the possible use of such waves with reflector aerials for short distance working, turned his attention to the use of wavelengths below 100 metres for communication by reflected waves at great distances. In conjunction with

C. S. Franklin, and other collaborators, he developed a reflector system, which came to be known as beam transmission, and succeeded in 1923 in communicating over many hours of the day with distant continents.

So confident was he of the possibility of successful commercial communication between any two points on the globe, with this system, that his company's proposal for the establishment of a



1932: Return to ultra-short waves. Aerial and reflector for transmission of 57-centimetre waves

service of Imperial wireless communications using this system was accepted by the Government, superseding attempts at such a service on a long-wave high-power system. The use of short waves has now been developed in the public service and takes its part with cables in transmitting telegrams to the Empire and abroad. At the same time, telephone communication, impracticable over the cable, has been established to most continents of the world.

Just as broadcasting within the country was the outcome of wireless telegraphy and telephony developments on the medium and longer waves, so has the broadcasting service to the Empire, initiated in 1932, been evolved from the use of short waves with beam aerials. Thus, the service from Daventry, which provides a programme lasting for almost twenty-four hours a day and directed in turn to all parts of our far-flung Empire, owes much to Marconi for his work in the development, especially with his beam system, of the practical use of short waves for great distances.

Towards the latter part of his life Marconi returned to the investigation of the still shorter waves below 10 metres. His experiments, conducted on waves as low as a few centimetres, have shown that ranges considerably in excess of the visual range can consistently be obtained. It is only by the use of these ultra-short waves that high definition television can be developed as a public service, because for this a large frequency band-width is necessary and longer waves cannot be used. The service from the London television station has already demonstrated that ranges greater than the visual path between transmitter and receiver can be obtained. The field of research on ultra-short waves has, as yet, been only partially explored, and Marconi probably realised this in his concentration on this work almost up to the time of his death.

Marconi's name has been a household word to this generation; to future generations it will remain a synonym for wireless.



1895: Replicas of experimental short-wave beam transmitter and receiver used by Marconi at his father's house in Bologna

Some personal reminiscences of Marconi, by H. J. ROUND, will be found on page 4.

Acoustics in the Listener's Home

By A. B. HOWE, M.Sc., A.R.C.S., Research Dept., BBC

(Continued from page 11, July 16)

THE preceding articles have dealt, primarily, with the nature of some of the problems which occur in connexion with obtaining good loudspeaker reproduction, but they are of little practical value unless they serve to indicate some way of improving matters and of finding a satisfactory practical compromise. In what follows an attempt will be made to indicate the best way of attacking the problem.

In the first place an attempt should be made to obtain some approach to the ideal of equal reverberation at all frequencies. In addition, it is not desirable that the actual value of the average reverberation time should be so great that the acoustics of the room become evident as such. As the listener will not possess any means of measuring reverberation time, it is not of much practical use to state a figure, although it may be of interest to note that no room used for home listening should greatly exceed half a second in reverberation time.

This means that the ultra-modern type of room, finished in hard plaster with little or no upholstered furniture and a minimum of hangings and carpets, is most unsuitable for loudspeaker listening. The excessive reverberation confuses detail and intelligibility and the resonance effects already described are at their worst in such a room. Moreover, the reverberative effect of the room becomes confused with that of the studio, an effect which experience has shown to be undesirable. It is always an advantage for the reverberation of the listening room to be less in evidence than that of the studio itself.

Improving Reproduction

The most practical way of obtaining suitable listening-room acoustics is to provide a carpet, curtains at the windows, and a certain amount of heavily upholstered furniture. One of the difficulties always is to get enough absorption at low frequencies, although lath and plaster ceilings and ordinary boarded floors are a con-

siderable help in this respect. Low-frequency absorption may be also obtained by the inclusion in the room of thick upholstery, as just suggested, as well as of what may be termed "panelled" furniture, cupboards, cabinets, book-cases etc. Actually, books in an open book-case, if not too tightly packed, form a satisfactory absorbent of the lower frequencies.

The inclusion of bulky furniture has another advantage, in that it tends to "break up" the resonance effects to which this article largely refers. If the wall surfaces are in effect rendered uneven by the inclusion of bulky furniture, new modes of resonance are introduced and original modes are rendered less important by being associated with smaller surfaces, so that the tendency is to approach the desirable condition of wide distribution of possible resonant frequencies, thereby tending towards more random reverberation.

Position of Loudspeaker

The least desirable condition is that in which only a small number of the possible air resonances are excited. Such a state of affairs gives undue prominence to the corresponding notes in music or tones in speech resulting in a particularly boomy effect. Thus it is better to place a loudspeaker across a corner of the room, rather than parallel to one wall. The latter course tends to accentuate only the air resonances associated with one dimension of the room. The corner arrangement also avoids the possibility of placing a loudspeaker cabinet right back against a wall, thereby greatly increasing the undesirable effect of resonance in the cabinet itself.

In deciding upon a position for a loudspeaker, the effect of various possible arrangements should be carefully and critically judged by listening to good-quality music from the local station studio, or to a transmission from a good outside concert hall; such, for example, as the Queen's Hall, London. The final position should be decided on these grounds rather than on those of harmony with a scheme of decoration or furnishing.

It is not desirable to "deaden" a room which experience has shown to be too reverberant by hanging extra curtains upon the walls. This has the effect of reducing the reverberation time at high frequencies, but leaving that at low frequencies practically unchanged. Practically all loudspeakers are very directional for the higher frequencies, so that in the absence of appreciable reverberation for that range, this important part of good-quality reproduction can only be heard by sitting directly opposite the loudspeaker.

In order to avoid this, the room should not contain too much absorbing material of a textile type, while surfaces capable of reflecting high frequencies, such as the panels of polished furniture, are to be considered advantageous. Leather upholstered furniture is to be recommended as absorbing middle and low frequencies without unduly increasing the high-frequency absorption.

Desirable Conditions

We may thus summarise the desirable qualities of a room for broadcast listening as follows. It should

be a fully furnished room, including a quantity of the bulkier type of furniture and heavy upholstery, preferably of the leather-covered type. In addition, a limited amount of textiles, in the form of rugs or carpet and window hangings, should be provided. The loudspeaker should preferably be placed in a corner of the room in such a position that it directly faces the listeners in their usual position. It is also an advantage to have the speaker approximately at head level for a sitting position. It should be unnecessary to point out the desirability of removing chattering panels or "ringing" objects from the neighbourhood of the loudspeaker and preferably entirely from the room.

The problem which has been discussed is one which is hardly capable of complete solution, particularly without special acoustical treatment which the ordinary listener can hardly be expected to undertake. As the dimensions of the room are comparable with the wavelength of some of the low-frequency components which are reflected practically at random in the original studio or concert hall, it would seem fundamentally impossible to get ideally perfect reproduction of the original acoustical effect, owing to the air resonance effects described above. It is, however, possible to obtain an acceptable compromise, and it is hoped that what has been written will be sufficient to lead to a noticeable improvement in listening conditions in many cases as well as to give some idea of the nature of the fundamental problems involved.

Duddell Medal Awarded

THE Duddell Medal is awarded to "persons who have contributed to the advancement of knowledge by the invention or design of scientific instruments, or by the discovery of materials used in their construction."

The Council of the Physical Society has awarded the fourteenth Duddell Medal to Walter G. Cady, Professor of Physics at the Wesleyan University, Middletown, Connecticut, U.S.A., for his work on piezo-electric resonators and oscillators as standards of frequency.

Professor Cady's pioneer work on the subject was published in 1922 (*Proceedings, Institution of Radio Engineers*, Volume 10, p. 83) and the value of the device may be judged from the fact that it stimulated research work on the subject in all parts of the world, over a thousand papers having been published on the properties of piezo-electric crystals since the appearance of Cady's first paper. Of course, these are not all due to Cady's work, for Langevin had previously used piezo-electric crystals as vibrators for under-water signalling, but Cady's particular contribution—the use of the quartz resonator as a standard of time or frequency—has quite obviously inspired most of the work.

The use of these resonators as standard vibrators has made it possible to measure frequency and intervals of time with an accuracy not previously attained. It is scarcely necessary to emphasise the importance to physics of increased accuracy in such fundamental measurements. Among the applications which have already been made the following may be mentioned:—

- (1) The quartz-clock which is now used as standard in some observatories. It is in some respects superior to the pendulum clocks, and in any case is a most valuable supplement to them;
- (2) The measurement and control of the frequency of alternating currents in connexion with measurements of dielectric constant, "absolute" electrical measurements, etc.;
- (3) The measurement of the velocity of ultrasonic sound waves.



Press listening room at Broadcasting House

Centenary of the Electric Telegraph

BIRTHDAYS—even hundredth birthdays—produce widely different reactions in different people. To some readers it may come as a matter of surprise that it is only one hundred years since the first practical electric telegraph was constructed. Others, who have always taken the familiar orange envelope, the perfectly-organised railway system, and the other triumphs of the telegraph very much for granted, may, on learning of the centenary, drop into the language of the films and ask, "So what?"

For a hundred years before the actual invention of the electric telegraph men of science had discussed its possibility, and had slowly groped towards its achievement, constructing on their way crude, sadly impracticable and unsuccessful apparatus employing, in succession, pith balls with static charges, spark systems, and even electrolytic cells. The construction of the first electro-magnet by Sturgeon in 1825, however, opened a new channel for experiment, and enabled Henry, the American scientist, to produce, in 1831, a crude electro-magnetically operated bell. Here was a new and better way of sending signals to a distance, and in every country pioneers busied themselves in trying to develop the idea.

Of the names, now household words, which were actively associated with these developments, those of Gauss and Weber on the Continent, Cooke and Wheatstone in England, and Morse in America, are the most important. Multi-needle, double-needle and, later, single-needle instruments were constructed, and it was not long before successful systems were in operation.

Without wishing to minimise the importance of the work of others, we honour this month

the achievements of our fellow-countrymen Sir Charles Wheatstone and W. F. Cooke who succeeded, on July 25, 1837, in inaugurating the first electric telegraph system for railway control, between Euston Square and Camden Town stations. A patent was granted for this system during the year.

Meanwhile, Samuel Finley Breese Morse had been working in America upon the same prob-

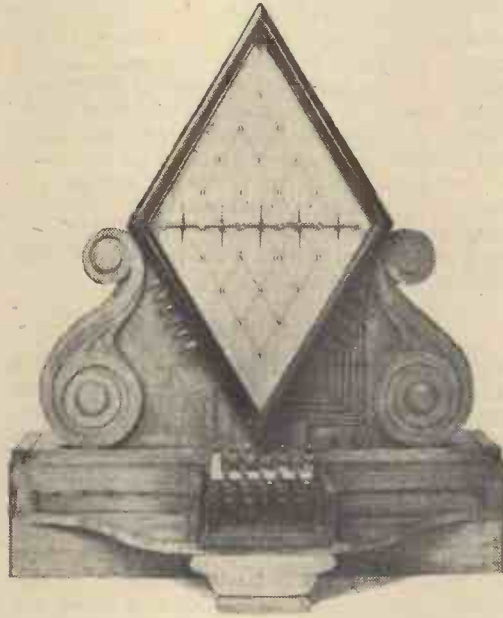
lem. He had, in fact, on the voyage back to America after a visit to England, in October, 1832, worked out plans for an electric telegraph instrument and had even sketched out the principle for the dot-and-dash code system which still bears his name.

By 1835 he had even constructed a model of a telegraph recorder in which an electro-magnet caused a pencil to approach a paper tape which moved over a revolving cylinder. He also constructed a relay for automatically repeating at increased strength the highly attenuated signals received at the end of a long line.

Morse's American patent was granted on September 23, 1837, but he was unsuccessful in obtaining a British patent although he did secure a patent in France.

As with many other epoch-making inventions, the electric telegraph did not immediately receive the blessing of the powers that be. The disappointed and impoverished Morse returned to America in 1838 to find that none but a few scientists had any interest in his invention, and it was not until 1842 that an official grant of £6,000 was grudgingly made for an experimental telegraph between Washington and Baltimore.

Even in England those in authority showed traditional conservatism, and it is said that when the electric telegraph was offered to the British Admiralty the inventor was sent a letter stating that "My Lords" had given consideration to the invention, but were entirely satisfied with the means of communication now being used in the Service—the said means of communication, of course, being the mechanical semaphores, a chain of which was erected on "signal hills" between London and Portsmouth! H. C.



From the original in the Science Museum
Wheatstone's five-needle telegraph: 1837

Buying a New Receiver

(Continued from page 12, July 23)

THERE is now a tendency to develop the console type of receiver which, standing on its own legs, has a larger cabinet than the table models, and gives greater scope for quality. It is possible to fit a larger speaker and design the sound chamber for improved reproduction and elimination of excessive "box resonance." The latter can give very unpleasant results in bad cases and some makers have gone to great trouble to avoid it. Some models have the speaker compartment entirely open at the back for the same reason. The right type of console, therefore, can be particularly recommended where faithful reproduction is desired.

All-Wave Receivers

All-wave models are now being produced by many makers and even the 7 m. television band is catered for in some cases, to enable the listener situated within the range of the transmitter to hear the sound broadcast which accompanies the vision.

On the short-wave bands it is possible to receive signals from all parts of the world, but reception is rather unreliable. The listener must not expect to receive these distant transmissions with the purity of reproduction afforded by the local stations. Frequently the signals will be accompanied by crackling noises, distortion, and fading—the latter even on a set fitted with A.V.C. The variation in signal input may be tremendous, sometimes fading out completely and the next minute returning at great strength. A number of stations may be received one day and not a sound of some of them the next, or the conditions may vary rapidly from hour to hour.

Some very interesting and exciting broadcasts may be picked up, but the listeners must be prepared for disappointments; such is short-wave listening. A decision must be made as to whether these short-wave bands are required, as these additions all have to be paid for.

With regard to the actual purchase of the new model, it was the custom generally some years ago to take a friend who had some experience of wireless to advise on the matter. If the reception of distant stations was required, a receiver with, say, four valves was considered to be more suitable than one with three, and so on. This did not always work out to plan even then, but to-day it is of little value to buy a set on this principle.

It has now become the general practice to use "multi" valves, with one glass envelope containing the elements of several valves, although they may use a common heater or filament. It is quite possible for a receiver having apparently three valves to have a greater gain than one with four or more. The manufacturers realising this anomaly often describe their products as containing so many "stages" instead of "valves." This in its turn became capable of different interpretation and is gradually being dropped. Generally speaking most present-day superhets will receive the bulk of the main European stations and there is no need to worry unduly on this score, given a suitable aerial.

It is becoming more difficult to obtain unbiased advice on the choice of a new receiver, as new inventions appear and few people really understand them. By making careful enquiries it is usually possible to find a dealer who at the very least will not handle unreliable apparatus.

As a guide in this direction some enquiries as to the capabilities of the dealer's service department may be useful. If the bulk of the service work is carried out in the dealer's own workshop the listener has the advantage of quick service in the event of a breakdown and obviates the risk of damage in transit to the makers.

If such a dealer has any doubts as to the reliability or accessibility of any particular model or component, the caustic comments of his service staff will soon enlighten him. In these circumstances the dealer has first-hand information as to the quality of the components used and their lay-out in the receiver.

Service After Sale

While on the question of service it will be found that there is a wide difference in the interpretation of the terms of the manufacturers' guarantee. The period of guarantee itself varies with different makers, but, apart from this, it will be observed that generally the guarantee states that defective components will be replaced free of charge, but the dealer is entitled to charge for his time taken tracing faults and fitting new components. In some cases this charge may be greater than the cost of the components. Some dealers adhere to the letter of the guarantee and give very good reasons for so doing. Others give a limited number of free service calls or make no charge whatsoever during the guarantee period. There would appear to be a natural tendency for a dealer to be extra careful in his choice of stock when he gives free service throughout the period.

A final word of advice: do not buy a receiver on appearance only. The most suitable and efficient set for your own particular requirements may not be housed in the cabinet which most appeals to your artistic taste.

W. G. G.

THE SHORT WAVES

Short-Wave News Reel

PASSING OF MARCONI

"HALLO America! Hallo NBC! This is Philip Mackenzie speaking." Never did Europe call America on a sadder occasion than this. It was 18.00 on July 21, and Mr. Mackenzie was standing at a window in the headquarters of the Italian Royal Academy in Rome, looking down on the funeral procession of the late Marchese Marconi, and describing the scene over I2RO for the benefit of listeners in the United States.

"It is one of the most impressive sights that one can see, even in Rome, where generally everything is impressive," he said, as he portrayed in vivid language the cortege passing along the street below, and the crowds, which lined the five-mile route to the Church of St. Mary of the Angels to the number of four or five thousand. "I have never seen so many people assembled in Rome," he continued, after describing the regiments of carabinieri, members of the Government, and representatives of the army, navy, and air force, and of the Pope and several religious orders, who accompanied the coffin to the mournful music of military bands.

Unfortunately, reception conditions in U.S.A. were very bad, and a great deal of difficulty was experienced during the broadcast, which had, finally, to be turned into an eye-witness account after the procession had passed from view. It seemed as though we were being reminded that the work of the renowned inventor was yet unfinished, that radio communication still had difficulties to overcome, and that it must now fall to others to improve and perfect Marconi's work.

London, W.9.

W. W.

AUSTRALIA v. ENGLAND

ON Saturday, July 24, the English F.A. Amateur Touring Team played an unofficial test match against Australia at Melbourne. Tuning in Lyndhurst VK3LR at 06.50, I found a running commentary in progress describing this encounter, a ding-dong struggle which thrilled a crowd of 15,000.

Australia's forwards were in fine form, and England's goal had many narrow escapes. Smith eventually headed a clever goal to give Australia the lead. Later, Hughes, who had previously hit

the goal-post with a long-range shot, increased their advantage. After half-time England's play improved considerably, Thornton bringing the score level with two brilliant goals.

Interruptions at 07.00 and 07.30 enabled exciting racing commentaries to be heard from Melbourne race-course. Returning to the test match at 07.45, Anderson it was found, had again given Australia the lead. England, however, were not to be denied, for Eastham equalised from a penalty. In the closing stages excitement ran high. With only three minutes play left, Finch sent across an accurate centre and Thornton, like a flash, sent the ball into the net. Thus, when the final whistle went at 08.05, England were victorious by 4 goals to 3.

Bristol.

J. E. O.

NIAGARA FALLS

W2XAD's "Travelogue" on July 19 gave listeners the opportunity of paying an imaginary visit to that great natural masterpiece, Niagara Falls.

As we approach the Falls their awe-inspiring beauty takes our breath away. Every minute ninety million gallons of water thunder 165 feet over the ledge of the American Falls. Rainbows can be seen gleaming amidst the clouds of fleecy white spray and mist. Over the Horseshoe Falls, "the world's most marvellous spectacle," an avalanche of supreme power and strength, 3,000 feet in width, pour twenty times as much water as the American Falls, the great Lakes which form the source of Niagara containing half the fresh water of the globe.

Attired in rubber suits, we take a trip in the basin at their foot. It is impossible for words to do justice to the beautiful fairyland effect when the Falls are illuminated at night, or when, in winter, King Frost has frozen the spray into fantastic shapes.

The Iroquois Indians, who named the Falls "Niagara" meaning "Thunder of the waters," believed a powerful god to inhabit the spray, and annually, as a sacrificial offering, their most beautiful maiden was paddled in a canoe to certain death over the Falls. One year, when the Chief's daughter was chosen, he was so overcome with grief that the practice was afterwards stopped. It is said that the girl's image can still be seen in the spray.

Yate, Glos.

F. J. R.

Short-Wave Notes

PERMISSION for the erection of a new 100 kW transmitter for short-wave stations W2XAD and W2XAF, at a cost of more than £25,000, has just been granted by the Federal Communications Commission. The new transmitter will be a linear radio-frequency amplifier and may be used by either of the two short-wave stations. It is expected to be ready for operation in the early part of next year and will have new aerials, especially designed by Dr. E. F. W. Alexanderson. A "three-in-one" type of aerial is under consideration which will broadcast simultaneously in three directions, or in one direction only, as required. General Electric engineers are also engaged in designing new transmitting valves for the station.

* * *

WIXAL of Boston has followed the lead of colleges and universities by having a summer recess for its regular educational programmes. The daily news bulletins in English, however, will be continued on the European beam aerial. Special weekly tests are also being made—on 15.25 and 11.79 Mc/s—using an additional beam aerial system intended for transmission to the Latin-American countries during the coming college year. Preliminary tests have already proved very successful.

* * *

A Liverpool reader reports reception at 22.20 on July 5 of short-wave station Radio Manchukuo (Telegraph Cable Company) on 19 m. approximately. The programme consisted of native music

with announcements in German and Mongolian, followed by Strauss waltzes and closing down at 23.00 with the German "Auf Wiedersehen," and their own National Anthem sung by a native choir.

* * *

The NBC announce two new series of news broadcasts to South America through W3XAL, Bound Brook. One of the series, directed especially to Brazil, is broadcast from 00.15 to 00.30 (B.S.T.) and the other, which replaces a routine news broadcast, from 00.00 to 00.15 (B.S.T.) is directed to Argentina.

* * *

A special broadcast dedicated to the International Short Wave Club is to be made from Zeesen, DJD (25.49 m.) from 20.30 to 21.30 (B.S.T.) on August 7. We understand that the station is very desirous of receiving reports, which may be sent to I.S.W.C., 100, Adams Gardens Estate, London, S.E.16.

* * *

On the recommendation of an interdepartmental committee, the Irish Free State Department for Posts and Telegraphs has decided to build a short-wave radio station for its broadcasting service. The site of the new station has yet to be decided.

* * *

ON July 23, the Foreign Minister of Argentina, Dr. Saavedra Lamas, inaugurated in Buenos Aires a new weekly service of news broadcasts to be transmitted at 22.00 (B.S.T.) every Friday in Spanish, English, and French from LRX (31.06 m.) and LSX (28.99 m.).

Below 100 Metres

By "SCOTIAN"

(July 18-22)

VERY variable conditions have prevailed during the period under observation, particularly on the normal day and evening frequencies. The Central and South American broadcasters operating on the 46-49 m. band have given the most consistent DX results, generally being at good strength from midnight onwards.

Shortly before 14.00 on Sunday (July 18) W2XE (13.94 m.) attained a steady R6, with full intelligibility, whilst W3XAL (16.87 m.), though a good R7 at this time, soon declined and was of little value until reappearing a useful R6 around 21.00. The band of the Canadian Grenadier Guards was quite well heard via W3XAL at 23.00.

On Monday, W2XE gave improved results being R7 with high quality and deep modulation. W3XAL, an R7-8 signal for a period around 16.30, later became affected by flutter and declining strength. W2XGB (17.33 m.) R7 at 16.30 became weaker before closing at 18.00.

Most unusual conditions prevailed on the 13 m. band at 13.15 on Tuesday. GSJ and GSG, usually R3, were both R7, and W2XE was inaudible. However, by 14.00 W2XE came in at R5-7 and the Empire transmitters were completely out. W3XAL gave somewhat variable reception until improving to R6-7 by 22.45.

Around 03.30 the following morning found the 31 m. and 49 m. bands full of DX transmissions, and the higher frequencies very quiet apart from locals. Very good results were obtained from the usual U.S. afternoon and evening channels. W2XGB, R7 at 16.00 with a programme of recordings, declined considerably before signing-off. Later JZK and PRF5 (31.58 m.) were both R8.

Outstanding among the many South Americans heard on Thursday morning were OAX4Z (49.3 m.), R7-8, using the slogan "Radio Nacional" and TIPG (46.8 m.) R5-7 when closing with an announcement in English at 05.35. A fade-out which affected all distant stations on 19 m. and below was evident in the afternoon and evening.

To find the Date

... look at the calendar! Easy! And almost as easily you can discover all causes of trouble in your set if you test with the D.C. Avominor. It is a precision instrument—13 meters in one. Has milliamp ranges for testing all valves; voltage ranges for L.T., H.T., Grid Bias, Mains and Eliminator tests; Ohms ranges for all resistance tests. Complete in case with testing prods, crocodile clips, leads and instruction booklet.



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- CURRENT**
 - 0-6 milliamps
 - 0-30 "
 - 0-120 "
 - VOLTAGE**
 - 0-6 volts
 - 0-12 "
 - 0-120 "
 - 0-240 "
 - 0-100 "
 - 0-600 "
 - RESISTANCE**
 - 0-10,000 ohms
 - 0-50,000 "
 - 0-1,000,000 "
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Short-Wave Programmes

All times in B.S.T., except EMPIRE, which are G.M.T. The daily transmission schedule is shown in brackets after the name of each station

For Wavelengths see Short-Wave List (in alternate weeks)

* Electrical Recordings.
 † Gramophone Records.
 ‡ GSG (Transmissions 2, 3) daily, two transmitters and aerials on the same frequency.
 § GSG (Transmission 3) daily, second GSG transmitter changes to GSF at 15.30 GMT.

SUNDAY, August 1

EMPIRE

The Empire Programmes are printed in outline for the convenience of overseas readers.
Transmission 1 (GSG, GSO, GSD, GSB) 05.00—Big Ben; Keith Cummings (Viola). 05.15—Special Service from St. Paul's Cathedral, London.* 06.30—Newsletter, Sports Summary. 06.50-07.15—Excerpts from The Southern Command Tidworth Tattoo.*

Transmission 2 (GSJ, GSH, GSG, GSG‡) 10.45—Big Ben; Quintet. 11.15—Talk on Captain Cook.* 11.30—BBC Military Band: Frank Titterton (Tenor). 12.30—Big Ben; "Scottish Golfers": Tom Morris.* 13.00—Service.* 13.15—Louise Gargurevich (Pfte.). 13.30-13.55—Newsletter, Sports Summary.

Transmission 3 (GSJ, GSH, GSG, GSG‡) 14.15—Big Ben; Tango Orchestra. 14.30—Excerpts from The Southern Command Tidworth Tattoo.* 14.55—"The England I Find": discussion.* 15.10—Special Service from St. Paul's Cathedral, London.* 16.25—Newsletter, Sports Summary. 16.45-17.00—Sextet.

Transmission 4 (17.20-20.45 GSG, GSI, GSD, GSB; 21.00-23.00 GSG, GSO, GSF, GSB) 17.20—Scenes from "The Taming of the Shrew" (Shakespeare)* 18.00—Big Ben; Newsletter, Sports Summary. 18.20—BBC Theatre Orchestra: Robert Easton (Bass). 18.50—Musical Interlude.† 18.55—Service (C. of Scotland). 19.45—Lisa Minghetti (Violin). 20.05-20.45—Concert. 21.00—Big Ben; Newsletter, Sports Summary. 21.20—"Summer over the British Isles."* 22.05—Trio. 22.30—Talk on Captain Cook.* 22.45-23.00—Eplague.*

Transmission 5 (GSP, GSO, GSF, GSD) 23.20—Orchestra.† 23.30—Big Ben; Pfte. Variations, Brahms; Lance Dossor. 00.00—Big Ben; Special Service from St. Paul's Cathedral, London.* 01.15-01.35—Newsletter, Sports Summary.

Transmission 6 (GSG, GSI, GSD, GSB) 02.00—Big Ben; English Country Dances.* 02.30—"The England I Find": discussion.* 02.45—Service.* 03.00—London Fire Brigade Band. 03.40-04.00—Newsletter, Sports Summary.

BOSTON, 15.15-17.00 (a) First Church of Christ Scientist.

BOUND BROOK (14.00-04.00), (a) 14.00—For Children. 15.00—Russian Melodies. 15.30—Strings. 16.00—News; Songs; Interviews. 16.30—Variety. 19.00—Magic Key. 20.00—A-cappella Choir. 20.30—Howard Marshall. 20.45—Tenor. 21.00—Vespers. 21.30—Variety. 23.00—Canadian Grenadier Guards Band. 23.30—Golden Gate Park Band. 00.00—California Concert. (b) 02.30—Walter Winchell. 02.45—Symphonette. 03.00—National Music Camp.

BUDAPEST (15.00-02.00), (a) 15.00-16.00—Call; Band; News (Eng.); Organ; Poems; Violin; Topical; Songs; Messages; Anthem. (b) 01.00-02.00—See 15.00.

CARACAS (14.30-04.30), (a, b), 14.30—R.C. Service; Records. 15.30—Baseball. 17.30—Music. 19.30—Racing. 23.30—Dancing.

CHICAGO (W9XF) (04.05-07.00 [Mon.]), 04.05—Globe Trotter. 04.15—King's Jesters Orchestra.

HUIZEN (PCJ) (b) 20.00-21.00—For Africa: Music; Reading; Talk; Mission News; News.

HUIZEN (PHI) (13.25-16.35), 13.25-14.25—For Asia; Music; Reading; Talk; Mission News; News. 14.25—Anthem; Call;

Talk. 14.45—For the Dutch Indies: See 13.25. 15.45-16.35—News; At the Jamboree; Songs; Anthem.

MOSCOW (04.15-03.15), (b) 04.15—For France. 12.00—For England. 13.00—For Germany. 14.00—For Holland. 15.00—For France. 16.00—For England. (a) 19.00—For Germany. 20.00—For Hungary. (b) 22.00—English Talks: (i) Fascism, (ii) Peace. (c) 00.00—For Spain. 01.00—For England.

PARIS (Radio-Colonial) (07.00-06.00), (b) 07.00—News; Records; Review. 09.00—News. 09.30—News (Eng., It.); Records. (a) 11.00—Music. 12.00—News (Eng.). 12.15—Concert; at 12.45—Topical. 13.30—News; at 14.00—Films; Periodicals; Records. 14.30—To be announced. (b) 17.15—News (Fr., Arabic). 18.00—Concert. 18.50—Amusements. 19.00—News. 20.10—News (Eng., It.). 20.30—To be announced. 22.30—Markets. 22.45—News (Port.). (c) 23.15—Dance Music. 00.15—News (Fr., Sp., Port.); Records. 03.00—Records. 04.00—News. 04.30—News (Eng.); Records. 05.45—News (Ger.).

PITTSBURGH (14.00-06.00), (b) 14.00—For Children. 15.00—Variety. 16.00—First Presbyterian Church. 17.00—Southernaires. 17.30—Music-Hall. 18.30—Musical Favourites. 19.00—R.C.A. 20.00—A-cappella Choir. 20.30—They're Saying in England. 20.45—Tenor. 21.00—Vespers. 22.00—There was a Woman. 22.30—Roy Shield. 23.00—Christian Endeavour. 23.15—Frank Morgan. 23.30—Sports; Music. 23.45—California Concert. (c) 00.30—Variety. 02.30—News. 02.45—Organ. (d) 03.00—National Music Camp. 04.00—Music; News; Orchestras.

PODEBRADY, No Afternoon Programme received. (a) 20.00-20.15—News. (b) 20.30—Call; News. 20.40—Records. 21.00—News (Ger.). 21.05—Chamber Music. 21.20—News (Fr.). 21.25—Variety. 22.00—News (Eng.). 22.05—Military Band. 22.25-22.30—Notes.

REYKJAVIK (19.40-20.30), 19.40—Talks (Eng.); Music; News (Eng., Ice.). 20.05—Hymn; Talks (Ger.); Music; News (Ger.).

ROME (14.20-00.15), (a) 14.20—News; Orchestra. 17.20-18.20—News; Italian Operetta Music; Sports. 19.30-23.50—From Rome (420.8 m.). (b) 00.00—U.S.A. Bulletin.

RUYSELEDE (19.30-21.00), 19.30—News (Flem., Fr.). 20.00—From Brussels (2). 20.45—Records.

SCHENECTADY (17.00-06.00), (a) 17.00—Hour Glass. 17.30—Chicago University Discussion. 18.00—Soprano. 18.30—Dreams. 19.00—Sunday Drivers. 19.30—Mysteries. 20.00—Melody. 20.30—"Widows' Sons. 21.00—Romance Melodies. 21.30—The World is yours, (a, b) 22.00—Paul Martin's Music; Variety. 23.00—R.C. Hour. 23.30—A Tale. 00.00—Variety; at 00.30—Baseball. (b) 03.00—Party. 04.00—Orchestras; at 04.30—News.

TOKIO (For Europe) (21.00-22.05), 21.00—News (Eng.). 21.15—Tokio Mixed Orchestra (Japanese and Western Instruments). Conductor: Nobuhiro Matsudaira. 21.45—News (Ger.). 22.00—Anthem.

VATICAN CITY, (b) 11.00—For Invalids (Latin, Fr.).

WARSAW, 17.30-19.30—Overture (Moniuszko); Topical; Choir; Play; Concerto (Chopin); Songs (Karłowicz).

WAYNE (12.30-05.00), (a) 14.55—News. 15.00—Russian Melodies. (c) 21.30—St. Louis Serenade. 22.00—Latin-American Programme. (d) 04.00—News.

ZEESEN (DJB, DJN, DJE, DJQ) (11.55-17.00), 11.55—Call (Ger., Eng.); Light Music; at 13.00—News (Eng.). 14.00—News; Call (DJQ). 14.15—"Sunday." 14.30—Talk. 14.45—Dutch). 15.15—"The Nuremberg Doll" (Adam). 16.15-17.00—Musical Gems (arr. Sonntag).

ZEESEN (DJD, DJL, DJC) (06.10-22.20), 06.10—Concert; at 07.00—News. 12.00-14.00—Orchestra. 17.35—Call; Band. 18.15—News. 18.30—"Sunday." 18.45—Fairy Tale. 19.00—Concert. 20.00—News (Eng.). 20.15—Home and Abroad. 21.00—From the German Choral Festival. 21.45—Sports. 22.00—News (Ger., Eng.).

ZEESEN (DJD, DJB) (17.10-05.00), 17.10-18.25—Concert. 22.50—Call (Ger., Eng.); For Children. 23.15—Songs; Records. 23.45—News. 00.00—"Sunday." 01.15—Sports. 01.30—Sketches. 02.15—News (Eng.). 02.30—Songs, "Die Winterreise" (Schubert). 02.45—Suite (Grovermann). 03.00—News. 03.15—Excerpts, "The Nuremberg Doll" (Adam). 04.15—Songs (Stefan). 04.30—News (Eng., Ger.).

ZEESEN (DJD, DJB) (17.10-05.00), 17.10-18.25—Concert. 22.50—Call (Ger., Eng.); For Children. 23.15—Songs; Records. 23.45—News. 00.00—"Sunday." 01.15—Sports. 01.30—Sketches. 02.15—News (Eng.). 02.30—Songs, "Die Winterreise" (Schubert). 02.45—Suite (Grovermann). 03.00—News. 03.15—Excerpts, "The Nuremberg Doll" (Adam). 04.15—Songs (Stefan). 04.30—News (Eng., Ger.).

MONDAY, August 2

EMPIRE

Transmission 1 (GSG, GSO, GSD, GSB) 05.00—Big Ben; "London Merry-Go-Round."* 05.40—"The England I Find"; discussion.* 05.55—Quintet. 06.25—News. 06.45-07.15—"The BBC Presents The A B C."* 07.15—For Children; Songs. 07.30—News; Music. 23.45—Lowell Thomas. (c) 00.00—Variety. (d) 03.15—Orchestra. 03.30—Radio Forum. 04.00—News; Orchestras.

PODEBRADY, No Afternoon Programme received. (a) 20.00-20.15—News. (b) 20.30—Call; News. 20.40—Light Music. 21.00—News (Ger.). 21.05—Biblical Songs (Dvorak). 21.20—News (Fr.). 21.25—Czech Poems (Fr.). 21.30—Quartet, From my Life (Smetana). 22.00—News (Eng.). 22.05—Popular Concert. 22.25-22.30—Call. 01.00-03.10—For America.

RIO DE JANEIRO, 23.30-00.30—News; Talks (Eng., etc.).

ROME (a) 14.20—News; Pfte.; For Women. 15.00-16.30—News (Eng.); Symphony Concert; Science Talk; Violin; Soprano, Tenor; News. 17.20-18.20—News; Orchestra; Soprano; Poems; Tenor; Bass; News. 18.30-19.00—Music and News (Arabic). 19.40—News (Ger., Fr.). 20.10-23.30—From Rome (420.8 m.). (b) 23.30—South American Bulletin. 00.00—American Hour from Rome. U.S.A. Bulletin; News (Eng., It.); "La Bohème" (Puccini); Talk; Songs; Letters.

RUYSELEDE (19.30-21.00), 19.30—News (Flem., Fr.). 20.00—From Brussels (1).

SCHENECTADY (17.00-06.00), (a) 17.00—Variety. 17.30—Farm Programme. 18.00—Variety. 18.30—Words and Music. 19.00—U.S. Travel (Fr.). 19.15—WPA. 19.30—Variety; at 21.15—Personal Column. (a, b) 22.00—Stocks. 22.15—Dari Dan. 22.30—Don Winslow. 22.45—Baritone. 23.00—Bass. 23.15—U.S. Travel. 23.30—News; Three X Sisters. 23.45—Sports. 00.00—Amos 'n' Andy. 00.15—U.S. Travel (Sp.). 00.30—Stocks; Sports. 00.45—News (Sp.); Spanish Programme. 01.30—Concert. 02.00—Variety. (b) 03.00—Contented Hour. 03.30—Music. 04.00—Pfte. Team; Discussion. 04.15—Jean Sablon. 04.30—Orchestras; Minstrels. SUVA, 11.30-13.00—Records.

TOKIO (For Europe) (21.00-22.05), 21.00—News (Eng.); 21.15—Songs. 21.45—News (Fr.). 22.00—Anthem.

VATICAN CITY, (a) 16.30—Church Notes (It.). (b) 20.00—See 16.30.

WARSAW, 18.30-19.30—Mazurka (Moniuszko); News; Reading; Polish Music.

WAYNE (12.30-05.00), (a) 12.30—Organ Reveille. 14.40—News. (b) 00.45—Boake Carter. 02.00—Streamlined Shakespeare

21.45—Music. 23.15—For Children; Dancing. 00.00—News; Talks; Variety. 02.45—Amateurs. 03.15—News.

CHICAGO (W9XF) (04.05-07.00 [Tues.]), 04.05—Globe Trotter. 04.30—Eddie Varzis' Orchestra.

HUIZEN (PCJ), (b) 01.00-02.00 (Tues.)—For the Americas; Music; Talks; Mission News; News.

HUIZEN (PHI) (14.25-16.00), 14.25—Anthem; Talk; "At the Jamboree"; Records. 15.40—News; Anthem.

MOSCOW (04.15-03.15), (b) 04.15—For France. 21.00—For Germany. 22.00—English Talks: (i) USSR Review, (ii) Sports. 23.00—For Hungary. (c) 00.00—For Spain. 01.00—For England.

PARIS (Radio-Colonial) (07.00-06.00), (b) 07.00—News; Records; Review. 09.00—News. 09.30—News (Eng., It.); Records. (a) 11.00—Records. 11.45—Talk (Greek). 12.00—News (Eng.). 12.15—Concert; at 12.45—Topical. 13.30—News. 14.00—Talks; Records. 14.30—Light Orchestral; Songs. 15.55—Markets. (b) 17.15—News (Fr., Arabic). 18.00—Concert. 18.50—Art Notes; Topical. 19.30—News. 20.10—News (Eng., It.). 20.30—To be announced. 22.30—Markets. 22.45—News (Port.). (c) 23.15—Records. 00.15—News (Fr., Sp., Port.); Records. 03.00—Records. 04.00—News. 04.30—News (Eng.); Records. 05.45—News (Ger.).

PITTSBURGH (12.00-06.00), (b) 14.00—Variety. 16.15—Personal Column. 16.30—Vic and Sade. 16.45—Edward MacHugh. 17.00—News; Variety. 18.30—Farm and Home. 19.30—Home Forum. 20.15—Welfare. 20.30—Let's talk it over. 21.00—Club Matinee. 21.45—Music. 22.15—For Children; Songs. 23.00—News; Music. 23.45—Lowell Thomas. (c) 00.00—Variety. (d) 03.15—Orchestra. 03.30—Radio Forum. 04.00—News; Orchestras.

PODEBRADY, No Afternoon Programme received. (a) 20.00-20.15—News. (b) 20.30—Call; News. 20.40—Light Music. 21.00—News (Ger.). 21.05—Biblical Songs (Dvorak). 21.20—News (Fr.). 21.25—Czech Poems (Fr.). 21.30—Quartet, From my Life (Smetana). 22.00—News (Eng.). 22.05—Popular Concert. 22.25-22.30—Call. 01.00-03.10—For America.

RIO DE JANEIRO, 23.30-00.30—News; Talks (Eng., etc.).

ROME (a) 14.20—News; Pfte.; For Women. 15.00-16.30—News (Eng.); Symphony Concert; Science Talk; Violin; Soprano, Tenor; News. 17.20-18.20—News; Orchestra; Soprano; Poems; Tenor; Bass; News. 18.30-19.00—Music and News (Arabic). 19.40—News (Ger., Fr.). 20.10-23.30—From Rome (420.8 m.). (b) 23.30—South American Bulletin. 00.00—American Hour from Rome. U.S.A. Bulletin; News (Eng., It.); "La Bohème" (Puccini); Talk; Songs; Letters.

RUYSELEDE (19.30-21.00), 19.30—News (Flem., Fr.). 20.00—From Brussels (1).

SCHENECTADY (17.00-06.00), (a) 17.00—Variety. 17.30—Farm Programme. 18.00—Variety. 18.30—Words and Music. 19.00—U.S. Travel (Fr.). 19.15—WPA. 19.30—Variety; at 21.15—Personal Column. (a, b) 22.00—Stocks. 22.15—Dari Dan. 22.30—Don Winslow. 22.45—Baritone. 23.00—Bass. 23.15—U.S. Travel. 23.30—News; Three X Sisters. 23.45—Sports. 00.00—Amos 'n' Andy. 00.15—U.S. Travel (Sp.). 00.30—Stocks; Sports. 00.45—News (Sp.); Spanish Programme. 01.30—Concert. 02.00—Variety. (b) 03.00—Contented Hour. 03.30—Music. 04.00—Pfte. Team; Discussion. 04.15—Jean Sablon. 04.30—Orchestras; Minstrels. SUVA, 11.30-13.00—Records.

TOKIO (For Europe) (21.00-22.05), 21.00—News (Eng.); 21.15—Songs. 21.45—News (Fr.). 22.00—Anthem.

VATICAN CITY, (a) 16.30—Church Notes (It.). (b) 20.00—See 16.30.

WARSAW, 18.30-19.30—Mazurka (Moniuszko); News; Reading; Polish Music.

WAYNE (12.30-05.00), (a) 12.30—Organ Reveille. 14.40—News. (b) 00.45—Boake Carter. 02.00—Streamlined Shakespeare

21.45—Music. 23.15—For Children; Dancing. 00.00—News; Talks; Variety. 02.45—Amateurs. 03.15—News.

ZEESEN (DJB, DJN, DJE, DJQ) (11.55-17.00), 11.55—Call (Ger., Eng.); Light Music; at 13.00—News (Eng.). 14.00—News; Call (DJQ); Band. 14.45—Sports. 15.00—News (Eng., Dutch); Topical. 15.30—From the German Choral Festival. 16.15—Poldi Mildner (Pfte.). 16.45—Topical.

ZEESEN (DJD, DJL, DJC) (06.10-22.20), 06.10—Concert; at 07.00—News. 17.35—Call; For Amateurs. 18.00—Songs (Wolf). 18.15—News; Harpsichord. 18.45—"August." 19.15—Folk Music. 20.00—News (Eng.); Topical. 20.30—Poldi Mildner (Pfte.). 21.00—Concert. 21.45—Talk. 22.00—News (Ger., Eng.).

ZEESEN (DJD, DJB) (22.50-05.00), 22.50—Call (Ger., Eng.). 23.00—Radio Bridges. 23.45—News. 00.00—U.S.A. in Germany. 00.15—Concert. 01.15—Topical. 01.30—From the German Choral Festival. 02.15—News (Eng.); For Amateurs; Topical. 03.00—News. 03.15—New German Light Music. 04.30—News (Eng., Ger.).

ZEESEN (DJD, DJB) (22.50-05.00), 22.50—Call (Ger., Eng.). 23.00—Radio Bridges. 23.45—News. 00.00—U.S.A. in Germany. 00.15—Concert. 01.15—Topical. 01.30—From the German Choral Festival. 02.15—News (Eng.); For Amateurs; Topical. 03.00—News. 03.15—New German Light Music. 04.30—News (Eng., Ger.).

TUESDAY, August 3

EMPIRE

Transmission 1 (GSG, GSO, GSD, GSB) 05.00—Big Ben; BBC Theatre Organ. 05.25—"Empire Exchange."* 05.40—"Summer over the British Isles."* 06.25—News. 06.45-07.15—Instrumental Variety.*

Transmission 2 (GSJ, GSH, GSG, GSG‡) 10.45—Big Ben; "Cupid and the Diplomat": comedy. 11.30—Light Orchestra. 12.10—County Cricket: Yorks v. Lancs; Kent v. Hants. 12.30—Big Ben; The Round Table Singers. 12.50—"Holiday Cruise."* 13.30-13.55—News.

Transmission 3 (GSJ, GSH, GSG, GSG‡) 14.15—Big Ben; "World Affairs."* 14.30—Orchestra: Arnold Matters (Baritone). 15.30—Talk on Ludwig Leichhardt.* 15.55—Interlude. 16.00—County Cricket (See Trans. 2). 16.20—News. 16.40-17.00—Orchestra.

Transmission 4 (17.20-20.45 GSG, GSI, GSD, GSB; 21.00-23.00 GSG, GSO, GSF, GSB) 17.20—Dance Music.† 17.25—BBC Theatre Organ. 18.00—Big Ben; News. 18.20—Edith Walton (Pfte.). 18.30—Military Band. 19.00—"World Affairs."* 19.15—Orchestra. 20.00—Variety. 20.30-20.45—Aileen Brandsen (Organ). 21.00—Big Ben; News. 21.20—London Merry-Go-Round.* 22.00—Band: Bristol Kerrich (Baritone). 22.45-23.00—"World Affairs."*

Transmission 5 (GSP, GSO, GSF, GSD), 23.20—New Dance Numbers.† 23.30—Big Ben; Cabaret Revue.* 00.00—Big Ben; "Cupid and the Diplomat": comedy.* 00.45—Dance Music. 01.10-01.30—News.

Transmission 6 (GSG, GSI, GSD, GSB), 02.00—Big Ben; "World Affairs."* 02.15—Chamber Music: Trio. 02.55—"Summer over the British Isles."* 03.40-04.00—News.

BOSTON (19.30-23.30), (a) 19.30—Baseball. 21.30—News. (b) 22.00—Educational. 22.55—URSI-gram. 23.00—News.

BOUND BROOK (14.00-04.00), (a) 14.00—Orchestra, Songs. 14.55—News. 15.00—Sketches; Music; at 16.15—Personal Column. 16.45—Edward MacHugh. 17.00—Variety. 18.30—Farm and Home. 19.30—NBC Music Guild. 20.00—Airbreaks—Variety. 20.45—Have you heard... 21.00—Club Matinee; Variety; at 22.30—For Children. 23.00—News—Orchestra. 23.30—News. 23.55—Tenor. 23.45—Lowell Thomas. 00.00—News (Sp., Port.). 01.00—Man about Town. 01.30—"It can be done." (b) 02.32—Love Songs. 03.00—News (Sp.). 03.17—The other Americas. 03.30—Harpsichord.

CARACAS (13.00-03.30), (a, b) 13.00—News. 16.45—Records. 21.45—Music. 23.15—For Children; Dancing. 00.00—News; Talks; Variety. 03.15—News.

CHICAGO (W9XF) (04.05-07.00 [Wed.]), 04.05—NBC Night Club.* 04.45—Eddie Varzis' Orchestra.

HUIZEN (PCJ) (a) 10.30-12.00—Variety for Australia and New Zealand. (b) 19.30-21.00—Variety for South Africa.

HUIZEN (PHI) (14.25-16.00),

For the Dutch Indies. 14.25—Anthem; Talk; "At the Jamboree." 15.10—Musical Voyage. 15.25—Play. 15.40—News; Anthem.

MOSCOW (21.00-03.15), (b) 21.00—For France. 22.05—For Holland. 23.00—For Sweden. (c) 00.00—For Spain. 01.00—For England.

PARIS (Radio-Colonial) (07.00-06.00), (b) 07.00—News; Records; Review. 09.00—News. 09.30—News (Eng., It.); Records. (a) 11.00—Records. 11.45—Talk (Jap.). 12.00—News (Eng.). 12.15—Concert; at 12.45—Topical. 13.30—News. 14.00—Talks; Records. 14.30—"Karl and Anna" (Frank Bloch). 15.55—Markets. (b) 17.15—News (Fr., Arabic). 18.00—Music; Records. 18.50—Shipping; Topical. 19.30—News. 20.10—News (Eng., It.). 20.30—To be announced. 22.30—Markets. 22.45—News (Port.). (c) 23.15—Records. 00.15—News (Fr., Sp., Port.); Records. 03.00—Records. 04.00—News. 04.30—News (Eng.); Records. 05.45—News (Ger.).

PITTSBURGH (12.00-06.00), (b) 14.00—Variety; at 16.15—Personal Column. 16.45—Edward MacHugh. 17.00—News. 17.15—Variety. 17.30—Strollers Matinee. 18.15—Tenor. 18.30—Farm and Home. 19.30—Home Forum. 20.00—For Women. 20.15—Variety. 20.45—Have you heard? 21.00—Clubs; Matinee. 21.45—Variety. 22.15—For Children; Music. 23.00—News; Music. 23.45—Lowell Thomas. (c) 00.00—Variety; at 01.00—Husbands and Wives. (d) 03.00—The other Americas. 03.30—Harpichords. 04.00—News; Dancing. 04.30—Orchestras.

PODEBRADY, No Afternoon Programme received. (a) 20.00-20.15—News. (b) 20.30—Call; News. 20.40—Dance Music. 21.00—News (Ger.). 21.05—Organ and Viola. 21.20—News (Fr.). 21.25—Excerpts, "Revisor" (Weis). 22.00—News (Eng.). 22.25-22.30—Notes.

RIO DE JANEIRO, 23.30-00.30—News; Talks (Eng., etc.).

ROME, (a) 14.20—News; Music. 15.00-16.30—News (Eng., Chin.). Pte.; Soprano; Tenor; News. 17.20-18.20—News; Orchestra; In the interval, Soprano. 18.30—Music and News (Arabic). 18.50-19.00—Talk (Turk.). 19.40—News (Ger., Fr.). 20.10-23.50—From Rome (420.8 m.). (b) 00.00—U.S.A. Bulletin. 00.20—Call (It., Sp., Port.); News; Act I, "Mefistofele" (Boito); Talk; Songs; News (Sp., Port.).

RUSSSELEDE (19.30-21.00), 19.30—News (Flem., Fr.). 20.00—From Brussels (1). 20.30—Records.

SCHENECTADY (17.00-06.00) (a) 17.00—Variety. 17.30—Farm Programme. 18.00—Variety. 18.30—Words and Music. 19.00—Matinee Musicale. 19.30—Woman's World. 19.45—Variety; at 21.15—Personal Column. (a, b) 22.00—Stocks. 22.15—Symphonette. 22.30—Don Winslow. 22.45—John Johnston. 23.00—Science. 23.15—Three X Sisters. 23.30—News; Mail. 00.00—Amos 'n' Andy. 00.15—Vocal Varieties. 00.30—Stocks; Sports. 00.45—News (Sp.). 01.00—Spanish Programme. 01.30—Wayne King's Orchestra. 02.00—Spanish Programme. 02.30—Dance Hour. (b) 03.30—Hollywood Gossip. 03.45—Vic and Sade. 04.00—Orchestras.

SUVA, 11.30-13.00—Records.

TOKIO (For Europe) (21.00-22.05), 21.00—News (Eng.). 21.15—Music of the Japanese Kabuki Dramas, and Folk Songs. 21.45—News (Ger.). 22.00—Anthem.

VATICAN CITY, (a) 16.30—Church Notes (Eng.). (b) 20.00—See 16.30.

WAYNE (12.30-05.00), (a) 12.30—Organ Reveille. 14.40—News. (c) 20.00—Music. 21.00—Talks; Drama; Music. (d) 01.00—Music-Hall.

ZEESEN (DJB, DJN, DJE, DJQ) (11.55-17.00), 11.55—Call (Ger., Eng.); Light Music; at 13.00—News (Eng.). 14.00—News; Call (DJQ). 14.15—Home and Abroad. 15.00—News (Eng., Dutch); Topical. 15.30—For Amateurs. 15.45—Orchestra. 16.45-17.00—The German Radio Exhibition.

ZEESEN (DJD, DJL, DJC) (06.10-22.20), 06.10—Concert; at 07.00—News. 17.35—Call. 17.45—Sonata (Schubert). 18.15—

News; Talk. 18.45—Play. 19.15—Our Cousins. 19.30—Men's Chorus. 20.00—News (Eng.); Topical. 20.30—Concert. 21.45—Chamber Music. 22.00—News (Ger., Eng.).

ZEESEN (DJD, DJB) (22.50-05.00), 22.50—Call (Ger., Eng.); Band. 23.30—Hugo Wolf Songs. 23.45—News. 00.00—Millöcker Operetta Characters. 01.15—Topical. 01.30—Folk Music. 02.15—News (Eng.); Harpsichord. 02.45—The German Radio Exhibition. 03.00—News; Pfte. 03.45—Light Music. 04.30—News (Eng., Ger.).

WEDNESDAY, Aug. 4

EMPIRE Transmission 1 (GSG, GSO, GSD, GSB), 05.00—Big Ben; "World Affairs."* 05.15—Grig's Chamber Music; David Wise (Violin); John Pauer (Pfte.). 05.40—"Kayles to St. Merryn."*

PRINCIPAL EVENTS

SUNDAY, August 1

17.20 Rome (25.4 m.) Operetta Music. 17.30 Pittsburgh (19.72 m.) Music-Hall. 18.00 Schenectady (19.57 m.) Soprano songs. 20.30 Bound Brook (16.87 m.) London Letter, Howard Marshall. 21.00 Pittsburgh (19.72 m.) Shadyside Church, Vespers. 23.00 Schenectady (19.57 m.) Roman Catholic Hour. 00.00 Bound Brook (16.87 m.) California Concert. 02.30 Bound Brook (49.18 m.) Winchell. 04.00 Schenectady (31.48 m.) Orchestras.

MONDAY, August 2

15.00 Rome (25.4 m.) Symphony Concert. 19.30 Bound Brook (16.87 m.) U.S. Navy Band. 21.00 Zeesen (25.49 m., 19.85 m., 49.83 m.) Concert. 23.05 Bound Brook (49.18 m.) U.S. Army Band. 23.45 Pittsburgh (19.72 m.) Lowell Thomas. 00.00 Rome (31.13 m.) American Hour. 02.30 Bound Brook (49.18 m.) Eugene O'Neill play. 04.30 Schenectady (31.48 m.) Orchestras.

TUESDAY, August 3

19.30 Bound Brook (16.87 m.) NBC Music Guild. 20.45 Bound Brook (16.87 m.) Have you heard? 21.00 Pittsburgh (19.72 m.) Clubs, Matinée; 21.45, Variety. 21.15 Schenectady (19.57 m.) Personal Column. 00.00 Schenectady (19.57 m., 31.48 m.) Amos 'n' Andy.

06.00—Scottish Music. 06.25—News. 06.45-07.15—Cabaret Revue.*

Transmission 2 (GSI, GSH, GSG, GSG±S), 10.45—Big Ben; "World Affairs."* 11.00—Octet. 11.30—Scenes from "The Taming of the Shrew" (Shakespeare). 12.5—Segovia (Guitar). 12.15—Big Ben; Theatre Orchestra. 13.00—Cabaret Revue.* 13.30-13.55—News.

Transmission 3 (GSI, GSH, GSG, GSG±S), 14.15—Big Ben; "Eleven-five p.m.—August 4, 1914."* talk. 14.30—Kathleen Dunn Davies (Pfte.). 15.00—Talk.* 15.15—Light Orchestra. 15.30—Old-Time Music-Hall.* 16.10—News. 16.30-17.00—Dance Music.

Transmission 4 (17.20-20.45 GSG, GSI, GSD, GSB; 21.00-23.00 GSG, GSO, GSF, GSB), 17.20—Orchestra: Molly O'Neill (Contralto). 18.00—Big Ben; News. 18.20—Edna Hatfield and Mark Strong (Pftes.). 18.45—"Eleven-five p.m.—August 4, 1914."* talk.* 19.00—Variety. 20.00—"Empire Exchange."* 20.15-20.45—Instrumental Variety.* 21.00—Big Ben; News. 21.20—Cabaret Revue.* 21.50—Dance Music. 22.25—Talks. 22.45-23.00—Stanley Pope (Baritone).

Transmission 5 (GSP, GSO, GSF, GSD), 23.20—Light Or-

chestra.† 23.30—Big Ben; Variety. 00.10—"Eleven-five p.m.—August 4, 1914."* talk.* 00.25—Dance Music of the 18th and 19th Centuries. 00.55—Talk. 01.10-01.30—News.

Transmission 6 (GSG, GSI, GSD, GSB), 02.00—Big Ben; "Anita and the Elephant": a revue and a fantasy. 02.40—Talks.* 03.00—Thelma Reiss ('Cello); Eileen Joyce (Pfte.). 03.40-04.00—News.

BOSTON (19.30-23.30), (a) 19.30 Baseball. 21.30—News. (b) 22.00—Educational. 22.55—URSIgram. 23.00—News.

BOUND BROOK (14.00-04.00), (a) 14.00—Orchestra, etc. 14.55—News. 15.00—Sketches; Music; at 16.15—Personal Column. 16.45—Edward MacHugh. 17.00—Variety. 18.15—Interviews. 18.30—Farm and Home. 19.30—Instrumental. 20.00—Negro Quartet. 20.15—

WEDNESDAY, August 4

14.30 Radio-Colonial (19.68 m.) Orchestra, Baritone songs. 18.30 Schenectady (19.57 m.) Words and Music. 19.00 Zeesen (25.49 m., 19.85 m., 49.83 m.) Surprise Programme. 21.00 Pittsburgh (19.72 m.) Orchestra. 00.00 Rome (31.13 m.) American Hour. 02.00 { Bound Brook (49.18 m.) } NBC { Pittsburgh (25.27 m.) } Strings.

THURSDAY, August 5

15.00 Rome (25.4 m.) "Mefistofele" (Boito). 21.00 Pittsburgh (19.72 m.) Club Matinée; 22.15, For Children. 23.45 { Bound Brook (16.87 m.) } Lowell { Pittsburgh (19.72 m.) } Thomas. 01.00 Schenectady (31.48 m.) Rudy Vallee. 03.00 Schenectady (31.48 m.) Bing Crosby.

FRIDAY, August 6

14.30 Radio-Colonial (19.68 m.) "Le Deserteur" (Monsigny). 20.30 Pittsburgh (19.72 m.) Melodies. 23.35 Schenectady (19.57 m.) Spanish Programme. 01.30 Bound Brook (49.18 m.) Drama. 04.30 Schenectady (31.48 m.) Orchestra; Songs.

SATURDAY, August 7

18.30 Schenectady (19.57 m., 31.48 m.) Campus Capers. 20.00 Schenectady (19.57 m., 31.48 m.) Concert Miniatures. 21.00 Pittsburgh (19.72 m.) Club Matinée. 00.00 Rome (31.13 m.) U.S.A. Bulletin. 00.00 Schenectady (31.48 m.) Spanish Revue. 02.00 Pittsburgh (25.27 m.) National Barn Dance.

Continental Varieties. 21.00—Club Matinée. 22.00—Animal News Club. 22.15—Pfte. 22.30—For Children. 23.00—News; Male Quartet. 23.45—Lowell Thomas. 00.00—News (Sp., Port.). 01.00—Latin-American Concert—Announcements (Sp., Port.). 01.30—Talk (Sp.); Latin-American Writers. (b) 02.00—NBC String Symphony. 03.00—News (Sp.). 03.15—Carol Weyman. 03.30—NBC Minstrel Show.

BUDAPEST, (b) 01.00-02.00 (Thursday)—Call; Band; News; Orchestra; Talk; Song Record; Music; Songs; News; Anthem.

CARACAS (13.00-03.30), (a, b), 13.00—News. 16.45—Records. 21.45—Music. 23.15—For Children; Dancing. 00.00—News; Talks; Variety. 03.15—News.

CHICAGO (W9XF) (04.05-07.00 [Thurs.]), 04.05—Globe Trotter. 05.00—Jesse Crawford's Orchestra.

HUIZEN (PCJ), (a) 14.00-17.00—Variety for Asia.

MOSCOW (04.15-03.15), (b) 04.15—For France. 12.00—For England. 21.00—For France. 22.00—English Talks: (i) Foreign Affairs, (ii) USSR Property. 23.00—For Germany. (c) 00.00—For Spain. 01.00—For Eng-

land. 18.30—Farm and Home. 19.30—Home Forum. 20.00—Variety. 21.00—Matinée; Orchestra. 22.00—Animal News Club. 22.15—For Children; Music. 23.30—News; Music. 23.45—Lowell Thomas. (c) 00.00—Variety. 02.00—NBC String Orchestra. (d) 03.00—Variety. 03.30—Minstrel Show. 04.00—News; Orchestras.

PARIS (Radio-Colonial) (07.00-06.00), (b) 07.00—News; Records; Review. 09.00—News. 09.30—News (Eng., It.); Records. (a) 11.00—Records. 11.45—Talk (Russ.). 12.00—News (Eng.). 12.15—Concert; at 12.45—Topical. 13.30—News. 14.00—Talks; Records. 14.30—Concert. Conductor: Tomasi. La Marc'Hadour (Baritone). 15.55—Markets. (b) 17.15—News (Fr., Arabic). 18.00—Music; Records. 18.50—Topical. 19.30—News. 20.10—News (Eng., It.). 20.30—To be announced. 22.30—Markets. 22.45—News (Port.). (c) 23.15—Records. 00.15—News (Fr., Sp., Port.); Records. 03.00—Records. 04.00—News. 04.30—News (Eng.); Records. 05.45—News (Ger.).

PITTSBURGH (12.00-06.00), (b) 14.00—Variety. 16.15—Personal Column. 16.30—Variety; at 17.00—News. 18.15—Inter-

views. 18.30—Farm and Home. 19.30—Home Forum. 20.00—Variety. 21.00—Matinée; Orchestra. 22.00—Animal News Club. 22.15—For Children; Music. 23.30—News; Music. 23.45—Lowell Thomas. (c) 00.00—Variety. 02.00—NBC String Orchestra. (d) 03.00—Variety. 03.30—Minstrel Show. 04.00—News; Orchestras.

SCHENECTADY (17.00-06.00), (a) 17.00—Happy Jack. 17.15—Mary Marlin. 17.30—Farm Programme. 18.00—Three Rancheros. 18.15—Dan Harding's Wife. 18.30—Words and Music. 19.00—Fantasia in Rhythm. 19.30—Women's Clubs. 19.45—Music. 20.00—Pepper Young. 20.15—Ma Perkins. 20.30—Vic and Sade. 20.45—O'Neill's. 21.00—Lorenzo Jones. 21.15—Personal Column. 21.30—To be announced. 21.45—Guiding Light. (a, b) 22.00—Stocks. 22.15—Dari Dan. 22.30—Don Winslow. 22.45—Baritone. 23.00—To be announced. 23.15—Mezzo-Soprano. 23.30—News. 23.35—Swing Harmonicas. 23.45—Rhythmaires. 00.00—Amos 'n' Andy. 00.15—Uncle Ezra. 00.30—Stocks; Sports. 00.45—News (Sp.). 01.00—Latin-American Concert. 02.00—Town Hall. (b) 03.00—Hit Parade. 03.45—Van Loon. 04.00—Orchestras. 05.30-06.00—Thriller.

SUVA, 11.30-13.00—Records. TOKIO (For Europe) (21.00-22.05), 21.00—News (Eng.). 21.15—Folk Songs and Popular Songs. 21.45—News (Fr.). 22.00—Anthem.

VATICAN CITY, (a) 16.30—Church Notes (Sp.). (b) 20.00—See 16.30.

WARSAW, 18.30-19.30—Mazurka (Moniuszko); Sports; Excerpts, "Verbum nobile" (Moniuszko); Talk; Polish Songs.

WAYNE (12.30-05.00), (a) 12.30—Organ Reveille. 14.40—News. (c) 20.00—Variety. (d) 00.45—Boake Carter. 01.00—Cavalcade of Music. 02.30—Jessica Dragonette.

ZEESEN (DJB, DJN, DJE, DJQ) (11.55-17.00), 11.55—Call (Ger., Eng.); Light Music; at 13.00—News (Eng.). 13.55—Greetings to British India. 14.00—News; Call (DJQ); "August." 14.45—Harpichord. 15.00—News (Eng., Dutch); Topical. 15.30—Play. 16.00—Folk Songs and Music. 16.45—Press Review.

ZEESEN (DJD, DJL, DJC) (06.10-22.20), 06.10—Concert; at 07.00—News. 17.35—Call; Talk. 18.00—Cello and Pfte. 18.15—News. 18.30—Folk Songs. 19.00—Surprise Programme. 20.00—News (Eng.); Topical; Press Review. 20.45—Concert. 22.00—News (Ger., Eng.).

ZEESEN (DJD, DJB) (22.50-05.00), 22.50—Call (Ger., Eng.). 23.00—"August." 23.30—Talk. 23.45—News. 00.00—Concert. 01.15—Topical. 01.30—Folk Songs. 02.00—Male Voice Chorus; at 02.15—News (Eng.); Press Review. 03.00—News. 03.15—Pfte. Sonata (Schubert). 03.45—Play. 04.15—Chamber Music. 04.30—News (Eng., Ger.).

THURSDAY, August 5

EMPIRE Transmission 1 (GSG, GSO, GSD, GSB), 05.00—Big Ben; Quintet. 05.30—Reading.* 05.45—"Holiday Cruise."* 06.25—News. 06.45-07.15—BBC Dance Orchestra.*

Transmission 2 (GSI, GSH, GSG, GSG±S), 10.45—Big Ben; Blanche Marchesi (soprano); 11.5—Talk. "London in August." 11.20—Quintet. 11.50—"Talks.* 12.10—Chopin: Harold Craxton (Pfte.). 12.40—News. 13.00-14.00—Royal National Eisteddfod of Wales.

Transmission 3 (GSI, GSH, GSG, GSG±S), 14.20—Military Band. 15.00—Talk on Sir Stanford Raffles. 15.15—Orchestra. 15.50—Instrumental Variety.* 16.10—News. 16.30—"Kayles to St. Merryn."* 16.50-17.00—Music of Mozart.*

Transmission 4 (17.20-20.45 GSG, GSI, GSD, GSB; 21.00-23.00 GSG, GSO, GSF, GSB), 17.20—Reading. 17.25—Concert party. 17.55—News. 18.25—Piping. 18.30—Royal National Eisteddfod of Wales.* 19.00—Orchestra. 19.45—"The England I Find" talk. 20.00—Ottawa Ladies' Choir: Concert. 20.15-20.45—Scottish Golfers: Tom Morris.* 21.00—Big Ben; News. 21.20—"Anita and the Elephant": a revue and a fantasy.* 22.00—Dance Music. 22.30-23.00—Mark Hambourg (Pfte.).

Transmission 5 (GSP, GSO, GSF, GSD), 23.20—Booth Hitchen (Baritone). 23.30—Big Ben; Scottish Golfers: Tom Morris.* 00.00—Big Ben; Orchestra: Andrew Clayton (Tenor). 00.55—Reading.* 01.10-01.30—News.

Transmission 6 (GSG, GSI, GSD, GSB), 02.00—Big Ben; Quintet: Jeanne Teychené (Soprano); 02.45—Old-Time Music-Hall.* 03.25—John Francis (Flute); Millicent Silver (Pfte.). 03.40-04.00—News.

BOSTON (19.30-23.30), (a) 19.30—Baseball. 21.30—News. (b) 22.00—Educational. 22.55—URSIgram. 23.00—News.

BOUND BROOK (14.00-04.00), (a) 16.15—Personal Column. 16.45—Edward MacHugh. 17.00—Inner Drama of Life. 17.15—Songs. 17.25—News. 17.30—Strollers' Matinée. 18.00—Time; Sketch. 18.15—Tenor. 18.30—Farm and Home. 19.30—Pfte. 19.45—Peggy Wood. 20.00—NBC Light Opera Company. 20.45—Variety; at 22.30—For Children. 23.00—News; Orchestra. 23.30—News. 23.35—Martinez (Tenor). 23.45—Lowell Thomas. 00.00—American Composers—Orchestra, etc. (b) 02.30—Midnight in Mayfair. 03.00—News (Sp.). 03.15—Piccadilly Music-Hall.

CARACAS (13.00-03.45), (a, b) 13.00—News. 16.45—Records. 21.45—Music. 23.15—For Children; Dancing. 00.00—News; Talks; Variety.

CHICAGO (W9XF) (04.05-07.00 [Fri.]), 04.30—Fletcher Henderson's Orchestra.

HUIZEN (PCI), (b) 01.00-04.00 (Fri.)—Variety for America.

HUIZEN (PHI) (14.25-16.00), 14.25—Anthem; Topical; "At the Jamboree." 15.05—Pfte. 15.25—Talk. 15.40—News; Anthem.

MOSCOW, (12.00-03.15), (b) 12.00—For France. 21.00—Music. 22.05—For France. 23.00—For Spain. (c) 00.00—For Spain. 01.00—For England.

PARIS (Radio-Colonial) (07.00-06.00), (b) 07.00—News; Records; Review. 09.00—News. 09.30—News (Eng., It.); Records. (a) 11.00—Records. 11.45—Talk (Sp.). 12.00—News (Eng.). 12.15—Concert; at 12.45—Topical. 13.30—News. 14.00—Foreign Affairs. 14.10—Talk. 14.20—Records. 14.30—Chamber Music. 15.55—Markets. (b) 17.15—News (Fr., Arabic); Records. 18.45—Poems. 19.05—News; Review. 20.10—News (Eng., It.). 20.30—To be announced. 22.30—Markets. 22.45—News (Port.). (c) 23.15—Records. 00.15—News (Fr., Sp., Port.). 01.00—Talk. 03.00—Records. 04.00—News. 04.30—News (Eng., Ger.).

PITTSBURGH (12.00-06.00), (b) 14.00—Variety; at 16.15—Personal Column. 16.30—Vic and Sade. 16.45—Edward MacHugh. 17.00—News; Variety. 17.30—Strollers' Matinée. 18.15—Tenor. 18.30—Farm and Home. 19.30—Home Forum. 20.00—For Women. 20.30—NBC Light Opera Company. 20.45—Cabaleros. 21.00—Club Matinée; Variety. 22.15—For Children; Music. 23.00—News; Music. 23.45—Lowell Thomas. (c) 00.00—Variety. (d) 03.00—Music-Hall. 04.00—News; at 04.15—Orchestra. 04.30—Orchestras.

PODEBRADY, No Afternoon Programme received. (a) 20.00-20.15—News. (b) 20.30—Call; News. 20.40—Dance Music. 21.00—News (Ger.). 21.05—Orchestra. 21.20—News (Fr.). 21.25—Light Music and Songs. 22.00—News (Eng.). 22.15-22.30—Notes. 01.00-03.10—For America.

RIO DE JANEIRO, 23.30-00.30—News; Talks (Eng., etc.).

ROME, (a) 14.20—News; Talks; Music; For Children. 15.00-16.30—News (Eng., Jap.); Mefistofele (Boito); News. 17.20-18.20—News; Orchestra; Folk-Songs; News. 18.30—Music and News (Arabic). 18.50-19.00—Turkish Music. 19.40—News (Ger., Fr.). 20.10-23.50—From Rome (420.8 m.). (b) 00.00—U.S.A. Bulletin. 00.20—South American Hour; Call (It., Sp., Port.); News; Symphony Concert; Talk; Songs; News (Sp., Port.).

RUYSELEDE (19.30-21.00), 19.30—News (Flem., Fr.). 20.00—From Brussels (2). 20.45—Records.

SCHENECTADY (17.00-06.00), (a) 17.00—Sketches. 17.30—Farm Programme. 18.00—Pfte. Team. 18.15—Harding's Wife. 18.30—Words and Music. 19.00—Show Time. 19.30—Tune Twisters. 19.45—Tenor. 20.00—Variety; at 21.15—Personal Column. (a, b) 22.00—Stocks; Markets. 22.15—Variety. 23.00—Education. 23.15—Songs. 23.30—News. 23.35—Spanish Programme. 00.00—Amos n' Andy. 00.15—Uncle Ezra. 00.30—Stocks; Sports. 00.45—News (Sp.). 01.00—Soprano. 01.30—Farm Forum. 02.00—Waltzes. 02.30—Human Relations. (b) 03.00—First Nighter. 03.30—Hollywood Gossip. 03.45—To be announced. 04.00—George R. Holmes. 04.15—Jean Sablon. 04.30—Orchestra; at 05.00—Tenor. 05.08-06.00—Orchestras.

SUVA, 11.30-13.00—Records.

TOKIO (For Europe) (21.00-22.05), 21.00—News (Eng.). 21.15—Children's Songs by a School Choir. 21.45—News (Ger.). 22.00—Anthem.

VATICAN CITY, (a) 16.30—Church Notes (Fr.). (b) 20.00—Sec 16.30.

WAYNE (12.30-05.00), (a) 12.30—Organ Reveille. 14.40—News. (d) 03.30—March of Time.

ZEESEN (DJB, DJN, DJE, DJQ) (11.55-17.00), 11.55—Call (Ger., Eng.); Light Music; at 13.00—News (Eng.). 14.00—News; Call (DJQ). 14.15—Schubert Sonata. 14.45—Our Cousins. 15.00—News (Eng., Dutch); Topical. 15.30—Surprise Hour from Overseas. 16.30—Cello and Pfte. 16.45-17.00—The German Radio Exhibition (Eng.).

Column. 21.45—Guiding Light. (a, b) 22.00—Stocks. 22.15—Soprano. 22.30—Don Winslow. 22.45—Baritone. 23.00—Norsemen Quartet. 23.15—Pfte. 23.30—News. 23.35—Stocks; Sports. 00.00—Amos n' Andy. 00.15—News (Sp.). 00.30—Science Forum. 01.00—Rudy Vallee. 02.00—Showboat. (b) 03.00—Bing Crosby. 04.00—Pfte.: Footnotes. 04.15—Ink Spots. 04.30—Northern Lights. 05.00-06.00—Orchestras.

SUVA, 11.30-13.00—Records.

TOKIO (For Europe) (21.00-22.05), 21.00—News (Eng.). 21.15—Children's Songs by a School Choir. 21.45—News (Ger.). 22.00—Anthem.

VATICAN CITY, (a) 16.30—Church Notes (Fr.). (b) 20.00—Sec 16.30.

WAYNE (12.30-05.00), (a) 12.30—Organ Reveille. 14.40—News. (d) 03.30—March of Time.

ZEESEN (DJB, DJN, DJE, DJQ) (11.55-17.00), 11.55—Call (Ger., Eng.); Light Music; at 13.00—News (Eng.). 14.00—News; Call (DJQ). 14.15—Schubert Sonata. 14.45—Our Cousins. 15.00—News (Eng., Dutch); Topical. 15.30—Surprise Hour from Overseas. 16.30—Cello and Pfte. 16.45-17.00—The German Radio Exhibition (Eng.).

ZEESEN (DJD, DJL, DJC) (06.10-22.20), 06.10—Concert; at 07.00—News. 17.35—Call; Talk. 18.00—Songs (Schubert). 18.15—News. 18.30—Talk (Eng.): The Radio Exhibition. 18.45—Military Concert. 20.00—News (Eng.); Topical. 20.30—Radio Pictures. 21.15—Light Music. 22.00—News (Ger., Eng.).

ZEESEN (DJD, DJB) (22.50-07.00), 22.50—Call (Ger., Eng.); Light Music. 23.30—Reading. 23.45—News; Records. 00.15—An Overseas Surprise. 01.15—Topical. 01.30—Folk Music. 02.15—News (Eng.). 02.30—Cello and Pfte. 02.45—Talk (Eng.): The German Radio Exhibition. 03.00—News. 03.15—Concert. 04.30—News (Eng., Ger.).

FRIDAY, August 6

Transmission 1 (GSG, GSO, GSD, GSB), 05.00—Big Ben; "Cupid and the Diplomat." 05.45—Talk on Sir Stamford Raffles.* 06.00—The Continental Players: Leonard Gowings (Tenor). 06.25—News. 06.50—Violin Solos.† 07.00-07.15—Talk.

Transmission 2 (GSJ, GSH, GSG, GSG†), 10.45—Big Ben; Light Music. 11.15—"Summer over the British Isles."* 12.00—Big Ben; Dance Music. 12.15—Variety.† 12.45—Talk.* 13.00—Quintet.* 13.30-13.55—News.

Transmission 3 (GSJ, GSH, GSG, GSG†), 14.15—Big Ben; Talk on Pythas of Massilia (300 B.C.). 14.40—Cabaret. 15.30—Reading.* 15.45—Dance Music.† 16.10—News. 16.35-17.00—Orchestra: Margaret Blythe (Sop.).

Transmission 4 (17.20-20.45 GSG, GSI, GSD, GSB; 21.00-23.00 GSG, GSO, GSF, GSB), 17.20—Welsh talk. 17.35—Dance Music. 18.00—Big Ben; News. 18.25—"Swift Serenade."* 19.00—Royal National Eisteddfod of Wales. 19.40—Commentary from the Duke of York's Camp.* 20.00-20.45—"Holiday Cruise."* 21.00—Big Ben; News. 21.25—Septet: Maria Marova (Soprano). 22.00—"Cupid and the Diplomat."* 22.45-23.00—"Haunting Harmonies."

Transmission 5 (GSP, GSO, GSF, GSD), 23.20—Irish Songs. 23.30—Big Ben; Talk on Pythas of Massilia (300 B.C.).* 00.00—Big Ben; Talk on Sir Stamford Raffles.* 00.15—Quintet: Songs for Two.* 01.10—News. 01.30-01.35—Big Ben.

Transmission 6 (GSG, GSI, GSD, GSB), 02.00—Big Ben; Royal National Eisteddfod of Wales.* 02.30—Dance Band. 03.00—Commentary from the Duke of York's Camp.* 03.20—Scottish Dances. 03.40—News. 04.00-04.05—Big Ben.

BOSTON (19.30-23.30), (a) 19.30—Baseball. 21.30—News. (b) 22.00—Educational. 22.55—URSIgram. 23.00—News.

BOUND BROOK (14.00-04.00), (a) 16.45—Edward MacHugh. 17.00—U.S. Marine Band; at 17.25—News. 18.00—Time; Sketch. 18.15—Neighbour Nell.

18.30—Farm and Home—Conservation Day Programme. 19.30—Five Hours Back. 20.00—Radio Guild. 21.00—Club Matinée. 22.00—Songs. 22.30—For Children; Tenor. 23.00—News; Music. 23.45—Lowell Thomas. 00.00—News (Sp., Port.). 01.00—Woman's Page. 01.30—Dramatic. (b) 03.00—News (Sp.). 03.17—Tenor Orchestra, etc. 03.30—Liedersingers. 03.45—Elza Schallert.

CARACAS (13.00-03.30), (a, b) 13.00—News. 16.45—Records. 21.45—Music. 23.15—For Children; Dancing. 00.00—News; Talks; Variety; at 01.45—Topical. 03.00—Concert.

CHICAGO (W9XF) (04.05-07.00 [Sat.]), 06.00—Don Fernando's Orchestra.

HUIZEN (PHI) (14.25-16.00), For the Dutch Indies. 14.25—Anthem; "At the Jamboree"; Talk. 15.10—Cabaret. 15.40—News; Anthem.

MOSCOW (21.00-03.15), (b) 21.00—For France. 22.00—English Talks: (i) The New Elections, (ii) A Member of Moscow Soviet speaks. 23.00—For Germany. (c) 00.00—For Spain. 01.00—For England.

PARIS (Radio-Colonial) (07.00-06.00), (b) 07.00—News; Records; Review. 09.00—News (Fr., Eng., It.); Records. (a) 11.00—Records. 11.45—Talk (Romanian). 12.00—News (Eng.). 12.15—Concert; at 12.45—Talk. 13.30—News; Talks; Records. 14.30—"Le Deserteur" (Monsigny). 15.55—Exchange. (b) 17.15—News (Fr., Arabic). 18.00—Concert; Records. 18.50—Talk. 19.00—News. 20.10—News (Eng., It.). 20.30—To be announced. 22.30—Markets. 22.45—News (Port.). (c) 23.15—Concert. 00.15—News (Fr., Sp., Port.); Records. 03.00—Records. 04.00—News. 04.30—News (Eng.); Records. 05.45-06.00—News (Ger.).

PITTSBURGH (12.00-06.00), (b) 14.00—Variety; at 16.15—Personal Column. 16.45—Edward MacHugh. 17.00—News; Variety. 17.30—U.S. Marine Band. 18.00—Georgia Wildcats. 18.15—Interviews. 18.25—Farm and Home. 19.30—Home Forum; Variety. 20.15—W.C.T.U. 20.30—Variety. 22.15—For Children; Songs. 23.00—News; Music. 23.45—Lowell Thomas. (c) 00.00—Variety; at 02.00—Ripley. (d) 03.00—Jack Pearl; Music. 03.45—Arm Chair Driver. 04.00—News. 04.30—Orchestras; at 05.15—DX Club.

PODEBRADY, No Afternoon Programme received. (a) 20.00-20.15—News. (b) 20.30—Call; News. 20.40—Operetta Music. 21.00—News (Ger.). 21.05—Pfte. 21.20—News (Fr.). 21.25—Symphony in G (Dvořák). 22.00—News (Eng.). 22.25-23.00—Notes.

RIO DE JANEIRO, 23.30-00.30—News; Talks (Eng., etc.).

ROME, (a) 14.20—News; Songs; Talk. 15.00-16.30—News (Eng.); Variety; Talk; Songs; News. 17.20-18.20—News; Orchestra; Songs; News. 18.30-19.00—Music and Talk (Arabic). 19.40—News (Ger., Fr.). 20.10-23.30—From Rome (420.8 m.). (b) 23.30-23.45—South American Bulletin. 00.00—American Hour from Rome. U.S.A. Bulletin; News (Eng., It.); Music; Talk in English for Women.

RUYSELEDE (19.30-21.00), 19.30—News (Flem., Fr.). 20.00—From Brussels (2). 20.45—Records.

SCHENECTADY (17.00-06.00), (a) 17.00—Sketches. 17.30—Farm Programme. 18.00—Pfte. Team. 18.15—Harding's Wife. 18.30—Words and Music. 19.00—Show Time. 19.30—Tune Twisters. 19.45—Tenor. 20.00—Variety; at 21.15—Personal Column. (a, b) 22.00—Stocks; Markets. 22.15—Variety. 23.00—Education. 23.15—Songs. 23.30—News. 23.35—Spanish Programme. 00.00—Amos n' Andy. 00.15—Uncle Ezra. 00.30—Stocks; Sports. 00.45—News (Sp.). 01.00—Soprano. 01.30—Farm Forum. 02.00—Waltzes. 02.30—Human Relations. (b) 03.00—First Nighter. 03.30—Hollywood Gossip. 03.45—To be announced. 04.00—George R. Holmes. 04.15—Jean Sablon. 04.30—Orchestra; at 05.00—Tenor. 05.08-06.00—Orchestras.

SUVA, 11.30-13.00—Records.

TOKIO (For Europe) (21.00-22.05), 21.00—News (Eng.). 21.15—Japan Information Series (Fr.). 21.30—Popular Songs. 21.45—News (Fr.). 22.00—Anthem.

VATICAN CITY, (a) 16.30—

Church Notes (It.). (b) 20.00—Church Notes (Ger.).

WARSAW, 18.30-19.30—Songs; For Poles Abroad; Play.

WAYNE (12.30-05.00), (a) 12.30—Organ. 14.40—News. (c) 20.00—Columbia Concert Hall. (d) 02.00—Hollywood Hotel.

ZEESEN (DJB, DJN, DJE, DJQ) (11.55-17.00), 11.55—Call (Ger., Eng.); Music; at 13.00—News (Eng.). 14.00—News; Call (DJQ); Music. 15.00—News (Eng., Dutch); Topical. 15.30—Folk Songs. 16.00—Radio Pictures. 16.45—Talk.

ZEESEN (DJD, DJL, DJC) (06.10-22.20), 06.10—Concert; at 07.00—News. 17.35—Call; Talk. 18.15—News; Legal Talk. 18.45—"The Merry Wives of Windsor" (Nicolai). 20.00—News (Eng.); Topical. 20.30—Concert. 21.15—Variety. 22.00—News (Ger., Eng.).

ZEESEN (DJD, DJB) (22.50-05.00), 22.50—Call (Ger., Eng.); Music. 23.45—News. 00.00—Variety. 01.15—Topical. 01.30—Radio Picture. 02.15—News (Eng.). 02.30—Schubert Songs. 02.45—Talk. 03.00—News. 03.15—Military Concert. 04.30—News (Eng., Ger.).

SATURDAY, August 7

EMPIRE

Transmission 1 (GSG, GSO, GSD, GSB), 05.00—Big Ben; "London Log."; talk. 05.10—"Swift Serenade."* 05.45—Israel Hoffman (Pfte.). 06.05—Commentary from the Duke of York's Camp, Southold.* 06.25—News. 06.45—Operatic Music† 06.55-07.15—Blanche Marchesi.

Transmission 2 (GSJ, GSH, GSG, GSG†), 10.45—Big Ben; Instrumental Variety.* 11.15—Mary Hamlin (Soprano); John Duncan (Baritone). 11.40—Commentary from the Duke of York's Camp, Southold.* 12.00—Big Ben; Theatre Orchestra. 12.20—"London Log."* 12.30—Orchestra (contd.). 13.00—For the Children.* 13.30-13.55—News.

Transmission 3 (GSJ, GSH, GSG, GSG†), 14.15—Big Ben; Gladys Ripley (Contralto). 14.30—Cinema Organ. 15.00—"Anita and the Elephant"; a revue and a fantasy.* 15.45—Dublin Horse Show. 16.15—News. 16.30-17.00—Dance Music.

Transmission 4 (17.20-20.40 GSG, GSI, GSD, GSB; 21.00-23.00 GSG, GSO, GSF, GSB), 17.20—Jean Pougnet (Violin). 17.45—Military Band.† 18.00—Big Ben; News. 18.20—"London Log."* 18.30—"The BBC Presents the A B C." 19.00—Opening Promenade Concert from Queen's Hall: Ina Souez (Soprano); Dennis Noble (Baritone); Irene Scharrer (Pfte.): BBC Symphony Orchestra conducted by Sir Henry J. Wood. 21.00—News. 21.20—Stars of Variety.† 21.40—"The England I Find"; talk.* 21.55—Dance Music. 22.30-23.00—Quintet.*

Transmission 5 (GSP, GSO, GSF, GSD), 23.20—"London Log."* 23.30—Big Ben; Students' Songs. 00.00—Big Ben; Dublin Horse Show.* 00.25—Eisteddfod.* 00.55—Berta Bolden (Pfte.). 01.10-01.30—News.

Transmission 6 (GSG, GSI, GSD, GSB), 02.00—Big Ben; "The BBC Presents the A B C."* 02.30—Ralph Downes (Organ). 03.00—"Holiday Cruise."* 03.40-04.00—News.

BOSTON (19.30-23.30), (a) Baseball. (b) 23.00—News.

BOUND BROOK (14.00-06.00), (a) 15.15—Raising your Parents. 15.45—Orchestras. Songs. 17.00—Call to Youth. 17.15—Three Marshals. 17.25—News; Orchestra. 18.00—Time; Our Barn. 18.30—National Grange—Guest Speakers; U.S. Army Band. 19.30—Orchestra. 19.45—Vocal Trio. 20.00—Orchestra. 20.30—Variety. 23.00—News. 23.05—Nickelodeon. 23.30—News. 23.35—Whither Music? 00.00—News (Sp., Port.). 01.00—Musical Cocktail. (b) 02.32—National Barn Dance. 03.00—News (Sp.). 03.15—Cincinnati Summer Opera. 04.00—News; Orchestras.

BUDAPEST, (b) 00.00-01.00 (Sun.)—Call; Recitation, Giganey Band; News; Pfte.; Talk; Songs; News; Anthem.

CARACAS (13.00-03.30), (a, b) 13.00—News. 16.45—Records. 21.45—Music. 23.15—For Children; Dancing. 00.00—News; Talks; Variety. 03.15—News.

CHICAGO (W9XF) (05.00-07.00 [Sun.]), 06.30—Orchestra.

HUIZEN (PHI) (14.25-16.40), For the Dutch Indies. 14.25—Anthem; Review; "At the Jamboree." 15.05—Records; Mail. 15.50—News; Talk. 16.15—Dances. 16.40—Anthem.

MOSCOW (21.00-03.15), (b) 21.00—For Germany. 22.05—For France. 23.00—For Spain. (c) 00.00—For Spain. 01.00—For England.

PARIS (Radio-Colonial) (07.00-06.00), (b) 07.00—News; Records; Reviews. 09.30—News (Eng., It.); Records. (a) 11.00—Records. 11.45—Talk (Yugoslav). 12.15—News (Eng.); Concert. 13.30—News. 14.00—Talks; Records. 14.30—Orchestra, Songs. (b) 17.15—News. 17.45—News (Arabic). 18.00—Concert. 18.50—Talk; Review. 19.30—News; Markets. 20.10—News (Eng., It.). 20.30—To be announced. 22.30—Markets. 22.45—News (Port.). (c) 23.15—Concert. 00.15—News (Fr., Sp., Port.). 01.00—Talk. 03.00—Records. 04.00—News (Fr., Eng.); Records. 05.45—News (Ger.).

PITTSBURGH (12.00-06.00), (b) 14.00—Variety. 17.00—News. 17.15—Variety. 18.30—Farm and Home. 19.30—Orchestras. 21.00—Club Matinée. 22.00—Revue. 22.15—Bill and Alex. 22.30—Orchestra. 22.45—Ad Club. 23.00—News. 23.15—To be announced. 23.30—Sports. 23.45—Dinner Dance. (c) 00.00—Message of Israel. 00.30—Orchestra. 01.00—Cadolban (Violin). 01.30—Orchestra. 02.00—National Barn Dance. (d) 03.00—Cincinnati Summer Opera. 04.00—News. 04.15—Orchestras; at 05.00—Messages to the Far North.

PODEBRADY, No Afternoon Programme received. (a) 20.00-20.15—News. (b) 20.30—Call; News; Music. 21.05—Ballet Music. 21.20—News (Fr.). 21.25—Variety. 22.00—News (Eng.). 22.05—Concert. 22.25-22.30—Notes.

RIO DE JANEIRO, 23.30-00.30—News; Talks (Eng., etc.).

ROME, (a) 14.20—News; Excerpts, "Norma" (Bellini); Talk. 15.00-16.30—News (Eng.); Programme in Hindustani: Part I. Songs. Part II. Music; News. 17.20-18.20—News; "Mefistofele" (Boito); News. 18.30—Music and News (Arabic). 18.50-19.00—News (Turk.). 19.40—News (Ger., Fr.). 20.10-00.00—From Rome (420.8 m.). (b) 00.00 U.S.A. Bulletin. 00.20—South American Hour; Call (It., Sp., Port.); News; "Madame Butterfly" (Puccini); Talk; Guitar; News (Sp., Port.).

RUYSELEDE (19.30-21.00), 19.30—News (Flem., Fr.). 20.00—Records.

SCHENECTADY (17.00-06.00), (a) 17.00—Continental. 17.30—Farm Programme. (a, b) 18.00—Variety. 22.30—Kindergarten. 23.00—Top Hatters. 23.30—News; Contralto. 23.45—Art of Living. 00.00—El Chico. 00.30—Stocks; Sports. 01.00—Orchestra. 01.30—Concert. 02.30—Orchestra. (b) 03.00—Jamboree. 04.00—Orchestras.

SUVA, 11.30-13.00—Records.

TOKIO (For Europe) (21.00-22.05), 21.00—News (Eng.). 21.15—Entertainment or Eye-Witness Account. 22.00—Anthem.

VATICAN CITY, (a) 16.30—Church Notes (It.). (b) 20.00—Church Notes (Dutch).

WAYNE (12.30-05.00), (a) 14.55—News. (d) 00.30—Columbia Concert Hall. 01.00—Saturday Swing Session. 02.00—Professor Quiz. 03.00—Hit Parade.

ZEESEN (DJB, DJN, DJE, DJQ) (11.55-17.00), 11.55—Call (Ger., Eng.); Light Music; at 13.00—News (Eng.). 14.00—News; Call (DJQ). 14.15—Songs. 14.30—Report. 15.00—News (Eng., Dutch); Topical. 15.30—"The Merry Wives of Windsor" (Nicolai). 16.45—Talk.

ZEESEN (DJD, DJL, DJC) (06.10-22.20), 06.10—Concert; at 07.00—News. 17.35—Call; Folk Dances. 18.15—News; Talk. 18.45—Old Music. 19.15—Variety. 20.00—News (Eng.); Topical. 20.30—Dance Music. 22.00—News (Ger., Eng.).

ZEESEN (DJD, DJB) (22.50-05.00), 22.50—Call (Ger., Eng.); Music; at 23.45—News. 01.15—Topical. 01.30—Variety. 02.15—News (Eng.); Talks. 03.00—News. 03.15—Dance Music. 04.30—News (Eng., Ger.).

Long and Medium Wave Programmes

AUGUST 1 SUNDAY

1 p.m.

BERLIN, COLOGNE and **MUNICH**, Light Classical Music. **BRUSSELS (1)**, News. 1.10 — Langlois Orchestra. **BRUSSELS (2)**, News. 1.10—Records.
FRANKFURT, BRESLAU, DEUTSCHLANDSENDER, HAMBURG and **STUTTGART**, Motor Commentary and Music.
HILVERSUM (1,875 m.), Orchestra. 1.40—Books. **HILVERSUM** (301.5 m.), KRO Melodists. 1.40—Report; Records.
KALUNDBORG, Opening of the Montessori Congress from Christiansborg, Address of Welcome in Danish, English and Italian; Music. **KÖNIGSBERG** and **LEIPZIG**, Light Music.
RADIO-PARIS, Orchestra. 1.15 —Songs. 1.30—News. 1.45—Orchestra.
STOCKHOLM, 1.30—The International Peace Congress at Skansen — Addresses by Hr. Johansson, Edouard Herriot, Noel Baker, Jesper Simonsen, Fru Selma Antilla and Hr. Olden; Music.

2 p.m.

BERLIN, Records. 2.30—Echoes from the Kurmark. **BRESLAU**, News. 2.10 — Reading. 2.30 — Variety Concert. **BRUSSELS (1)**, 2.0-2.15—Art Notes; Records. 2.30—Mlle Tambuyser (Pfte.). **BRUSSELS (2)**, 2.15 —Records: "André Chenier" (Giordano) by the Cast of La Scala, Milan.
COLOGNE, Report. 2.10 — Schrammel Quartet. 2.30—Hints. **DEUTSCHLANDSENDER**, Fairy Play. 2.30—Records.
FRANKFURT, Play. 2.30 — Records.
HILVERSUM (1,875 m.), Books. 2.10—Palla (Organ). 2.40—Concert from the Kurhaus, Scheveningen. The Hague Orchestra. Conductor: Neumark. Di Moorlag-Teves (Soprano). **HILVERSUM** (301.5 m.), Records. 2.10 — Orchestra. 2.30 — Double Quartet. 2.45—Orchestra.
KALUNDBORG, Service. **KÖNIGSBERG** and **HAMBURG**, For Children.
LEIPZIG, 2.5—Records. 2.50—Commentaries on the German Rowing Championships in Leipzig, with Records.
MUNICH, Records.
RADIO-PARIS, For Young People. 2.45—Lena-Dora Song Duo.
STOCKHOLM, Peace Congress (contd.). **STUTTGART**, See Frankfurt. 2.30—Records.

3 p.m.

BERLIN, Records. **BEROMUNSTER**, Report: The International Air Rally at Zürich. **BRESLAU**, Variety Concert. 3.30—Reading. **BRUSSELS (1)**, Léandre Vilain (Organ). 3.30—Songs. **BRUSSELS (2)**, Records (contd.).
COLOGNE, Wind Band; at 3.5—See Munich.
DEUTSCHLANDSENDER, Harvest-time in the Village—Dances and Folk Customs. 3.30 —Dance Records.
FRANKFURT, For Peasants. 3.30—See Königsberg.
HAMBURG, Pfte. 3.30 — See Königsberg. **HILVERSUM** (1,875 m.), Concert (contd.). **HILVERSUM** (301.5 m.), 3.5—Report and Records. 3.40—For Invalids.
KALUNDBORG, Service (contd.). 3.40—Reading. **KÖNIGSBERG**, Folk Songs. 3.30—Variety from the Radio Exhibition.
LEIPZIG, Commentaries and Records (contd.).
MUNICH and **STUTTGART**, Light Music; at 3.5 and 3.30—Reports.
PARIS (PTT), 3.30 — Light Music from Vichy Casino.
RADIO-PARIS and **STRASBOURG**, The Unveiling of the Memorial to American Soldiers, from Montfaucon. Addresses by Mr. Bullitt, General Pershing, Marshal Petain, M. Lebrun, with Recordings of a Speech at Washington by President Roosevelt.
STOCKHOLM, Quartet in F minor (Nielsen). 3.30—Viennese Music.

4 p.m.

BEROMUNSTER, Report (contd.). 4.10—The Cycle Tour of Switzerland. **BRESLAU, DEUTSCHLANDSENDER** and **FRANKFURT**, Light Orchestra. In the intervals, Reports: Festival Procession for the Close of the Twelfth German Choral Festival. **BRUSSELS (1)**, Records. **BRUSSELS (2)**, Pfte. 4.20—Jeanne Deroubaix (Flemish Songs). 4.40—Violin.
COLOGNE, See Munich. 4.5—Programme from Breslau.
HILVERSUM (1,875 m.), Concert (contd.). 4.10—Swimming Commentary. 4.40—Orchestra. **HILVERSUM** (301.5 m.), For Invalids. 4.25 — Sports. 4.45 — Service.
KALUNDBORG, Wind Band. **KÖNIGSBERG, BERLIN** and **HAMBURG**, Variety (contd.).
LEIPZIG, See Königsberg. 4.45—Commentaries and Records (contd.).
MUNICH and **STUTTGART**, Reports and Light Music.
PARIS (PTT), Light Music (contd.). 4.30—Baldi Orchestra, Songs, Violin.
RADIO-NORMANDIE, Variety. **RADIO - PARIS**, Addresses (contd.). 4.15 — Louis Tiercelin Programme.
STOCKHOLM, Viennese Music. 4.30—For Children. **STRASBOURG**, See Radio-Paris. 4.15 —To be announced. 4.30—Military Band.

5 p.m.

BERLIN, See Königsberg. 5.45—Light Music. **BEROMUNSTER**, Choir. 5.20—To be announced.
BRESLAU, COLOGNE, DEUTSCHLANDSENDER and **FRANKFURT**, Light Orchestra (contd.). **BRUSSELS (1)**, Dance Music. **BRUSSELS (2)**, Report: Final of the Third Workers Olympiad; at 5.30—Sports.
HILVERSUM (1,875 m.), Orchestra; Records. 5.40—Sports. **HILVERSUM** (301.5 m.), Service (contd.).
KALUNDBORG, Wind Band. **KÖNIGSBERG** and **STUTTGART**, Saarbrücken Day at the Radio Exhibition—Variety Concert.
LEIPZIG and **HAMBURG**, Commentaries and Records (contd.).
MUNICH, Light Music.
PARIS (PTT), Orchestra, etc. (contd.). 5.30 — "Harmonie" —Play (Duvernois).
RADIO - NORMANDIE, Light Music and Records. **RADIO-PARIS**, Josse Orchestra. **ROME**, 5.15 — "Arlecchino" (Chesi), Conductor: Gallino.
STOCKHOLM, 5.5 — Records. **STRASBOURG**, Military Band. **TURIN**, 5.15—Symphony Concert. Conductor: Previtali. Vico La Volpe (Pfte.).

6 p.m.

ATHLONE, Ceilidhe Band. 6.25 —Irish Ballads. 6.55—Story.
BERLIN, Light Music. **BEROMUNSTER**, Dialect Reading. 6.30—Ländler Band. **BRESLAU**, Light Music by the Vienna Schubert Society Quartet. **BRUSSELS (1)**, Records. **BRUSSELS (2)**, Chinese Poems. 6.15 —Third Symphony in E minor (Saint-Saëns). 6.45 —Address. **BUDAPEST (1)**, 6.30—Orchestra.
COLOGNE, Something for Everyone. 6.50—Sextet, Violin.
DEUTSCHLANDSENDER, Report. 6.15—Beautiful Melodies—Fröhlich Band and Records.
FRANKFURT, Light Music. 6.30 —"Man, take care!"—Humoresque (Löhlein).
HAMBURG, See Leipzig. 6.30 — "The Goldmine"—Comedy with Music. **HILVERSUM** (1,875 m.), Sports. 6.10—Florence de Jong (Organ), Miep Beuming (Soprano). 6.55—The "Fantasia" Conductor: Walis. **HILVERSUM** (301.5 m.), Service (contd.); Records.
KALUNDBORG, Russian Songs. 6.20 — Talk. **KÖNIGSBERG**, Variety Concert (contd.). 6.30 — "The Altstadt Market through the Centuries"—Picture Book with Music.
LEIPZIG, Commentaries and Records (contd.). 6.30—Reading. 6.50—Folk Dances of the Nations.

MOSCOW, Records. 6.30—Provincial Programme. **MUNICH**, "The Seven Swabians"—Legend. **PARIS (PTT)**, Play (contd.). 6.30 —Songs. 6.45—Pfte.
RADIO - NORMANDIE, Music-Hall and Orchestra. **RADIO-PARIS**, Light Orchestra. 6.45 —La Houppa. **ROME**, "Arlecchino" (contd.).
SOTTENS, Records. 6.30 — The Cycle Tour of Switzerland. **STOCKHOLM**, Service. **STRASBOURG**, Marianne Ricklin (Songs). 6.30—Talk. 6.45—Records. **STUTTGART**, See Königsberg. 6.30 — "The Swiss Confederation"—Play (Kanig).
TURIN, Sports; Concert (contd.).
VIENNA, Tyrolean Band and Glee Club.
WARSAW, Orchestra, etc.

7 p.m.

ATHLONE, Story. 7.15—Oboe and String Quartet. 7.40—Comedy.
BERLIN, Sports. 7.20 — Bund Band. **BEROMUNSTER**, The International Air Rally at Zürich. 7.25—The Cycle Tour of Switzerland. 7.45—News; Talk. **BRESLAU**, Dance Music. **BRUSSELS (1)**, Talk. 7.15—Records. 7.30—News. **BRUSSELS (2)**, Songs (Grieg); Records. 7.30—Films. **BUDAPEST (1)**, Orchestra. 7.35—Reading.
COLOGNE, Sextet, Violin. 7.20—Reports. 7.45—See Leipzig.
DEUTSCHLANDSENDER, Beautiful Melodies (contd.). 7.30 —Sports. 7.45—Report.
EIFFEL TOWER, Dramatic Programme.
FRANKFURT, Humoresque (contd.). 7.30—Sports. 7.45—See Leipzig.
HAMBURG, Comedy (contd.). 7.15 —Records. 7.30 — Sports. **HILVERSUM** (1,875 m.), The "Fantasia" (contd.). 7.40 — News. 7.55—Concert from the Kurhaus, Scheveningen. The Hague Orchestra, Conductor: Schuricht. Marinus Flipse (Pfte.). (Mendelssohn, Schumann). **HILVERSUM** (301.5 m.), Records; Talk; News.
KALUNDBORG, News. 7.30—Talk. **KÖNIGSBERG**, Picture Book (contd.).
LEIPZIG, Folk Dances (contd.). 7.45—Report: German Rowing Championships.
MOSCOW, Provincial Programme. **MUNICH**, Legend (contd.). 7.40 —Sports.
OSLO, 7.15—News; Report. 7.50 —Light Music.
PARIS (PTT), News. **PRAGUE**, News. 7.5—Military Band.
RADIO - NORMANDIE, Light Music. 7.30—Talk. 7.40—News. **RADIO - PARIS**, Radio-Paris Guignol. 7.30—Russian Folk Music. **ROME**, "Arlecchino" (contd.). 7.45—Sports; Music.
SOTTENS, Interlude; Report; Sports. 7.50—News. **STOCKHOLM**, Service. 7.15—News. 7.30—Talk. **STRASBOURG**, News. 7.30 — For Farmers. **STUTTGART**, Play (contd.). 7.30—Sports. 7.45—See Leipzig.
TURIN, Concert (contd.). 7.45—See Rome.
VIENNA, Sports; Reading. 7.30 —Records.
WARSAW, Orchestra, etc.

8 p.m.

ATHLONE, Comedy (contd.). 8.10—Irish Music. 8.40—Guess the Singer.
BEROMUNSTER, Talk. 8.15—Concert in honour of the Unveiling of the Giornico War Memorial. **BRESLAU**, Dance Music. **BRUSSELS (1)**, Willy Maury, Gilberte Legrand and Waltham. 8.45—One-Act Comedy (Courteline). **BRUSSELS (2)**, Alexys Orchestra. 8.45—Topical. **BUDAPEST (1)**, Sports. 8.20 — "Les deux Avarès" (Grétry).
COLOGNE, Variety.
EIFFEL TOWER, Dramatic Programme. 8.30—Symphony Concert of Alsatian Composers' Music. Conductor: de Villers.
FRANKFURT and **DEUTSCHLANDSENDER**, Popular Music (Recorded).
HILVERSUM (1,875 m.), Concert (contd.). 8.40—Records. 8.55— "L'heure exquise" Conductor: Fr. v. Capelle. Bernard Lejeune (Songs). **HILVERSUM** (301.5 m.), Records. 8.10—KRO Melodists, etc.

KALUNDBORG, Operetta Music. **KÖNIGSBERG, HAMBURG** and **LEIPZIG**, Saarbrücken Day at the Radio Exhibition. The Saar Vintage Festival—Variety.
MONTE CENERI, 8.15 — See Beromünster. **MOSCOW**, Provincial Programme. **MUNICH**, and **BERLIN**, Light Music.
OSLO, Light Music. 8.35—Sketch. 8.50—Orchestra.
PARIS (PTT), Variety. 8.30—Variety Concert, with Sketch. **POSTE PARISIEN**, News. 8.5 — La bonne histoire. 8.20 — Records. **PRAGUE**, Jindrich Mosna Centenary. 8.30—Violin and Orchestra. 8.45—Talks.
RADIO-NORMANDIE, Concert. **RADIO-PARIS**, Review. 8.15 —Songs. 8.30—Farces of France, Germany, Italy, England and Spain. **ROME** and **TURIN**, Music. 8.10—News. 8.30—Talk.
SOTTENS, Talk. 8.10—Excerpts, "Wilhelm Tell" (Schiller).
STOCKHOLM, Report. 8.50—Play. **STRASBOURG**, News (German). 8.15—News. 8.30—Swiss Picture Book (in German). **STUTTGART**, Orchestra, Zither, Cello.
TOULOUSE (PTT) and **LILLE**, 8.30—"Miss Decima" (Audran).
TOULOUSE, Concert.
VIENNA, Orchestra, Mandl Quartet, Songs, Pfte. 8.30—"Classical and Modern"—Radio Potpourri (Hruby).
WARSAW, Records; Notes. 8.50 —News.

9 p.m.

ATHLONE, 9.5 — Arbourfield Players. 9.30—Variety.
BRESLAU, News. 9.30 — The Twelfth German Choral Festival —Recordings of the Styrian, Westphalian, Rhineland and Franconian Evenings. **BRUSSELS (1)**, Concert from the Kursaal, Ostend. **BRUSSELS (2)**, 9.5 — Popular Concert from the Knoché Casino. Conductor: Candaël. Panzera (Baritone). Harvart (Violin). **BUDAPEST (1)**, "Les deux Avarès" (Grétry) (contd.). 9.45—News.
COLOGNE, Variety.
EIFFEL TOWER, Concert (contd.).
FRANKFURT and **DEUTSCHLANDSENDER**, Popular Music (contd.).
HILVERSUM (1,875 m.), "L'heure exquise" (contd.). 9.55—Records. **HILVERSUM** (301.5 m.), KRO Melodists, etc. 9.10—Report from the Jamboree (Recorded). 9.40—KRO Orchestra.
KALUNDBORG, Dialogue. 9.25 —Old Danish Music. 9.50—Serenade in E (Dvořák). **KÖNIGSBERG, HAMBURG** and **LEIPZIG**, Variety (contd.).
MONTE CENERI, BEROMUNSTER, PRAGUE and **SOTTENS**, The First of August—Programme for the Swiss National Festival. **MOSCOW**, German Programme. **MUNICH** and **BERLIN**, Light Music.
OSLO, Orchestra. 9.40—News. **PARIS (PTT)**, Concert (contd.).
POSTE PARISIEN, News. 9.10—Amateurs. 9.55—News. **RADIO-NORMANDIE**, Concert. 9.30—Humour. **RADIO-PARIS**, Farces (contd.); at 9.30—News. **ROME**, "Madame Butterfly" (Puccini).
STOCKHOLM, Play (contd.). 9.45—News. **STRASBOURG**, Swiss Picture Book (contd.). 9.30 —Alsatian Evening: "Lehre franzesch"—Farce (Litzelmann).
STUTTGART, Dance Music and Light Music.
TOULOUSE (PTT) and **LILLE**, "Miss Decima" (contd.). **TOULOUSE**, Concert. 9.50—Paris Programme. **TURIN**, "Romeo and Juliet" (Shakespeare) (Italian Transl.: Paola Ojetti), Music by Berlioz.
VIENNA, Potpourri (contd.).
WARSAW, Variety. 9.40—Sports.

10 p.m.

ATHLONE, Variety. 10.30—News.
BEROMUNSTER, See Monte Ceneri. 10.15—Notes. **BRESLAU**, Choral Festival (contd.).

10.30 — Report. 10.40 — Dance Music from Deutschlandsender. **BRUSSELS (1)**, News. 10.10 —Dance Music. **BRUSSELS (2)**, Concert (contd.). 10.30—Report. 10.45—Records. **BUDAPEST (1)**, Jazz Band. 10.50—Dances—Marta Linz (Violin).
COLOGNE, News. 10.30—Report. 10.45 — Dance Music from Deutschlandsender.
DEUTSCHLANDSENDER, and **SOME GERMAN STATIONS**, News. 10.30 — Dance Music.
EIFFEL TOWER, Concert (contd.).
HILVERSUM (1,875 m.), Records. 10.40—News. 10.50—Dance Band. **HILVERSUM** (301.5 m.), KRO Orchestra. 10.10 —News. 10.20—Eplague.
KALUNDBORG, Serenade (contd.). 10.15—News. 10.30—From the Old Tivoli Days—Orchestra. **KÖNIGSBERG**, News. 10.20—Reports. 10.40—Dance Music from Deutschlandsender.
LILLE, See Toulouse (PTT). 10.30—News.
MONTE CENERI, Swiss National Festival Programme (contd.). 10.15—Sports. **MOSCOW**, 10.5—English Talks: (a) Fascism means War, (b) The USSR and Peace.
OSLO, News. 10.15 — Dance Records.
PARIS (PTT), Concert (contd.). 10.30—News; Records. **POSTE PARISIEN**, News; Amateurs. 10.30 — Variety Records. **PRAGUE**, See Monte Ceneri. 10.15—News; Records. 10.45—News (German). 10.50—Dance Music.
RADIO-NORMANDIE, Report. 10.15—Light Music. **RADIO-PARIS**, Farces (contd.). 10.30 — Records. 10.45 — News. **ROME**, "Madame Butterfly" (contd.).
SOTTENS, See Monte Ceneri. 10.15—Weather. **STOCKHOLM**, Light Music. **STRASBOURG**, Alsatian Evening (contd.). 10.30 —News.
TOULOUSE (PTT), "Miss Decima" (contd.). 10.30—News; Records. **TOULOUSE**, Paris Programme. 10.20 — Concert. **TURIN**, "Romeo and Juliet" (contd.).
VIENNA, Potpourri (contd.). 10.10—News; Announcements. 10.55—Dance Band.
WARSAW, Schumann Pfte. Music. 10.30—Records. 10.50—News.

11 p.m.

BRESLAU, Dance Music. 11.20 —News. **BRUSSELS (1)**, Records. **BRUSSELS (2)**, Records. 11.15 — Dance Music. **BUDAPEST (1)**, Dances (contd.). 11.25—Lakatos Cigány Band.
DEUTSCHLANDSENDER, and **MOST GERMAN STATIONS**, Dance Music.
HILVERSUM (1,875 m.), Dance Band. 11.20—Organ.
KALUNDBORG, 11.5 — Dance Band.
MOSCOW, German Programme.
PARIS (PTT), 11.5 — Dance Records.
POSTE PARISIEN, Variety Records. **PRAGUE**, Dance Music.
RADIO - NORMANDIE, Light Music and Records. **RADIO-PARIS**, Dance Records. **ROME**, "Madame Butterfly" (contd.). 11.15—Dance Music.
STRASBOURG, News (German). 11.5—Dance Music.
TOULOUSE (PTT), 11.5—Dance Music. **TOULOUSE**, Concert. 11.50—Notes. **TURIN**, "Romeo and Juliet" (contd.).
VIENNA, Dance Band.

12 midnight

DEUTSCHLANDSENDER, and **BELIN**, Dance Music. **FRANKFURT** and **STUTTGART**, Serenade (Records). **KALUNDBORG**, Dance Band. **MOSCOW**, Spanish Programme. **RADIO-NORMANDIE**, Melodies. 12.30—Dance Music. **RADIO-PARIS** and **PARIS (PTT)**, Dance Records.

SUNDAY (August 1)**NATIONAL**

Time Signals: Big Ben, 12.30, 10.45 p.m. Greenwich, 10.30 a.m., 4.0, 9.0 p.m. D=Droitwich.
9.25-10.15 a.m. (D)—Service (C. of E.).
10.30-10.45 (D)—Weather Forecast.
12.30 p.m. (D)—BBC Military Band: Frank Titterton (Tenor).
1.30 (D)—New Georgian Trio.
2.0 (D)—Short Story.
2.15 (D)—BBC Orchestra.
3.0 (D)—Tango Orchestra.
3.30 (D)—BBC Singers (B).
4.0—Theatre Orchestra.
5.0—"Church, Community, and State"—J. H. Oldham, D.D.
5.20—Maggie Teyte (Soprano).
6.0—"The Cinema"—Henry Turner.
6.15—Troise and his Mandoliers.
6.45—BBC Theatre Orchestra: Robert Easton (Bass).
7.55—Service (C. of Scotland).
8.45—Appeal.
8.50—The News.
9.5—Concert from Knocke Casino: The Casino Orchestra; Charles Panzera (Baritone); Eduard Harviant (Violin).
10.30—Epilogue.

REGIONAL

Time Signals: Big Ben, 12.30, 10.45 p.m. Greenwich, 4.0, 9.0 p.m.
11.0 a.m. - 12.15 p.m. (Welsh) — Welsh Service.
12.30 (ex. Midland, Western) — National.
2.0 (Scottish)—Octo-Centenary of St. Magnus Cathedral, Kirkwall: Service (C. of Scotland).
3.15 (Scottish)—National.
4.0 (ex. Northern, Welsh, Scottish)—Records.
4.0 (Northern)—Ballad Concert.
4.0 (Welsh)—Welsh Talk.
4.0 (Scottish)—Isabel Bethune (Violin). 4.15—Talk.
4.20 (Welsh)—Edward MacDowell (Voice and Pfte.); David Lloyd (Tenor); Hubert Pengelly (Pfte.).
4.30 (ex. Welsh)—For Children.
5.0 (ex. Welsh)—BBC Theatre Organ.
5.0 (Welsh)—Frederick Dalrymple (Organ).
5.30 (ex. Welsh; Scottish 5.45)—Fred Hartley and his Sextet.
5.30 (Welsh)—BBC Welsh Orchestra.
5.30 (Scottish)—The World Conference on Faith and Order.
6.15 (ex. Northern, Western, N. Ireland)—Bitten by a snake: talk.
6.15 (Northern)—BBC Northern Orchestra: Charles Kelly (Pfte.).
6.15 (Western)—"Berry Head": talk.
6.25 (N. Ireland)—Service (Presbyterian).
6.30 (Western)—Light Music.
6.35 (Regional, Welsh, Scottish)—Chamber Music: Tatiana Makushina (Soprano); The Modern Wind Quintet; John Wills (Pfte.).
6.35 (Midland)—Mendelssohn's Octet in E flat, Op. 20, for Strings.
6.55 (Northern)—Excerpts from "The Cathedral," by Hugh Walpole.
7.10 (Midland, Western)—Malvern Festival.
7.25 (Northern)—Isobel Baillie (Soprano).
7.55 (Midland 8.0)—Services.
8.45—Appeals. **8.50**—The News.
9.5 (ex. Western)—"Hereward, the last Englishman," adapted from the stage-play by J. Jefferson Farjeon.
9.5 (Western)—Bournemouth Municipal Orchestra: Elsie Suddaby (Soprano).
10.15 (ex. Welsh)—Margaret Good (Pfte.).
10.15 (Welsh)—Welsh reading.
10.30—Epilogue.

Hours of Transmission in British Summer Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 100 kW. Relayed by Dublin, 1,348 kc/s (222.6 m.); and Cork, 1,235 kc/s (242.9 m.).
1.30-3.0 p.m.—Records. 5.30—Connemara Pony Races, Clifden. 6.0—Ceathrar Ceoil Ceilidhe Band. 6.25—Irish Ballads and their History No. 4: P. O. Muimhneachain with J. Nordell (Songs). 6.55—Famous Short Story. 7.15—Oboe and String Quartet. 7.40—Comedy presented by M. J. Dolan. 8.10—Irish Music by An Ceol Cumann Ladies' Trio with Pfte. and Flute. 8.40—Guess the Singer—a Test for listeners. 9.5—Arbourfield Players.

PRINCIPAL EVENTS**SERVICES AND SACRED MUSIC**

A.M.
10.0 Kalundborg: Service.
11.0 Italian stations: Mass.
P.M.
6.0 Stockholm: Baptist Service.
SYMPHONY CONCERTS
2.40, 7.55 Hilversum (1,875 m.): From Scheveningen.
8.30 Eiffel Tower: Alsace composers.

LIGHT CONCERTS

12.30 Radio-Paris: Orch., songs.
12.55 Hilversum (1,875 m.): Kovacs Lajos Orchestra.
4.0 Kalundborg: Band Concert.
4.30 Paris (PTT): Boldi Orch.
5.0 Radio-Paris: Josse Orch.
6.0 Vienna: Tyrol programme.
6.50 Leipzig: Folk Dances.
7.5 Prague: Military Band.
7.20 Berlin: Hans Bund Band.
7.40 Bucharest: Choir; 8.15, Orch.
7.50; 8.50 Oslo: Station Orch.
8.0 Brussels 2: Alexys Orch.
8.0 Frankfurt, etc.: Popular prog.
8.0 Kalundborg: Operetta music.
8.0 Munich: Opera Music.
8.10 Athlone: Irish music.
8.15 Swiss stations: Patriotic prog.
8.30 Paris (PTT): Variety.
8.30 Vienna: Potpourri.
9.0 Beromünster, Prague: Swiss National Day.
9.0 Brussels 1: Ostend Kursaal.
9.5 Brussels 2, National: Knocke Casino.
9.30 Breslau: Choir Festival.
9.40 Hilversum (301.5 m.): Orch.
10.30 Kalundborg: Radio Orch.
11.25 Budapest 1: Cigány Band.
12.0 Frankfurt, Stuttgart: Records.

9.30—Variety. **10.30**—News. **10.40-11.0**—Irish Sports News by Sean O'Ceallachian.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW.
6.0 a.m.—Call; Weather. **6.10**—Gym.
6.30—Concert from Hamburg. **8.0**—Gym. **8.20**—Serenade (Recorded). **8.55**—Chimes and Service from Potsdam Garrison Church. **9.30**—For Hitler Youth. **10.0**—Weather.
10.5 (approx.)—Light Music. Olshewski Band. Erwin Hansche and Max Nahrath (Pftes.). Erwin Höhne (Saxophone).
12.0 noon—Light Classical Music. Station Orchestra, Conductor: Willy Steiner. Band, Conductor: Boss. Max Saal and Siegfried Lohse (Harp). **2.0 p.m.**—Records of Barnabas von Géczy Band. **2.30**—Echoes from the Kurmark.
3.0—Records.
4.0-5.45—Programme from Königsberg. **5.45**—Light Music. Krepela

Sextet. Bobby Schlüter (Accordion). **7.0**—Sports. **7.20**—Bund Band.
8.0—See Munich **10.0**—News.
10.30 p.m.-12.55 a.m. (Monday)—See Deutschlandsender.

BEROMÜNSTER (Switzerland)

556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.).
10.0 a.m.-12.30 p.m.—From Berne. **10.0**—Roman Catholic Service. **10.45**—Records. **11.0**—"Brother Klaus"—Dialect Play. **12.0 noon**—Swiss Song Records. **12.30 p.m.**—News. **12.40**—Records: "Don Juan" (Strauss). **1.0**—Zürich Municipal Band. **1.50**—Valais Songs by Emmy Pfammatter. **2.10**—Reading. **2.25**—Records: Light Music. **3.0**—Report: The International Air Rally at Zürich.

OPERAS

8.20 Budapest 1: "Les deux Avides" (Grétry).
9.0 Rome: "Madam Butterfly."
CHAMBER MUSIC
7.15 Athlone: Oboe and quartet.
9.50 Kalundborg: Dvořák.

RECITALS

2.10, 11.20 Hilversum (1,875 m.): Palla (organ).
3.0 Brussels 1: Organ, song.
5.20 National: Maggie Teyte.
6.30 Paris (PTT): Song, pfte.
10.0 Stockholm: Violin, pfte., song.
10.0 Warsaw: Pfte. (Schumann).
10.50 Budapest 1: Violin.

PLAYS

5.30 Paris (PTT): "Harmonic."
7.0 Eiffel Tower: Two plays.
8.10 Sottens: "Tell."
8.30 Radio-Paris: Old farces.
9.0 Turin: "Romeo and Juliet."

TALKS

3.0 Radio-Paris: Addresses at the Montfaucon Memorial.
7.57 Beromünster: "German Switzerland."

LAST NEWS BULLETINS, see Monday**DANCE MUSIC**

10.10 Brussels 1; **10.15**, Oslo; **10.30**, Deutschlandsender, etc.; **10.50**, Hilversum (1,875 m.), Prague; **10.55**, Vienna; **11.0**, Radio-Paris; **11.5**, Kalundborg, Paris (PTT), Strasbourg; **11.15**, Brussels 2; **12.30**, Radio-Normandie.

MISCELLANEOUS

7.0 Beromünster, Vienna (10.15): Air Rally.
8.0 Königsberg, Leipzig: Saar Wine festival.

4.10 (approx.)—The Cycle Tour of Switzerland. **5.0**—Engadine Students' Choir. **5.20**—To be announced.
6.0—"De Schwyzerfahne" Dialect Poem. **6.30**—Vreneligsärtli Ländler Band. **7.0**—Report: The International Air Rally at Zürich. **7.25**—The Cycle Tour of Switzerland. **7.45**—News. **7.57**—Talk: German Switzerland.
8.15—Concert in honour of the Unveiling of the Giornico War Memorial—Zürich Radio Orchestra—Conductor: Bernhard.
9.0—See Monte Ceneri. **10.15**—Sports. **10.25**—Announcements.

BORDEAUX-LAFAYETTE

(France)
 1,077 kc/s (278.6 m.); 35 kW.
 Transmits at intervals from 6.50 a.m.
8.15 p.m.—"Après l'amour"—Play (Pierre Wolff-Duvernois). **10.30**—News.
10.45—See Paris (PTT). **11.0**—Weather.

BRATISLAVA (Czechoslovakia)

1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 6.30 a.m.
4.50 p.m.—Military Band from Kosice. **5.35**—Slovak Dance Song Potpourri. **6.0**—Hungarian Transmission: Talk; Tököly Cigány Band; Mihola sings his own Songs. **6.45**—Records.
6.50-8.0—See Prague.
8.0—Two Plays: (a) "The Magic Loaf" (Henri), (b) "Summer Storms" (Petrik). **8.25**—Anna Hrusovská (Slovak Folk Songs).
8.45—See Prague.
8.55—Talk on the following Programme.
9.0—See Monte Ceneri.
10.15-10.40—See Prague. **10.40**—News (Hungarian).
10.50-11.30—See Prague.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz, 1,231 kc/s (243.7 m.).
5.0 a.m.—Emil Bulgrin (Organ) from the Capitol. **6.0**—See Hamburg. **8.0**—Motto. **8.10**—Records. **8.50**—News.
9.0—Service. **9.30**—Hanna Horn (Pfte.) and Fritz Binnowsky ("Cello"). **10.0**—Records. **11.0**—"Old Breslau"—Sequence (Close). **11.20**—Records. **11.35**—Reading.
12.0 noon-2.0 p.m.—Programme from Frankfurt. **2.0**—News. **2.10**—Reading. **2.30**—Variety Concert. Caspar Dance Band, Häusler Schrammel Quartet and Günther Madeyski (Mouth Organ). **3.30**—Hans Christoph Kaergel reads. **4.0** (from Gleiwitz)—Light Music. Orchestra, Conductor: Humpert. In the intervals, Reports: Festival Procession for the Close of the Twelfth German Choral Festival.
6.0—Light Music by the Vienna Schubert Society Quartet. **7.0** (from Gleiwitz)—Dance Music. Orchestra, Conductor: Gielnik, Soloists, etc. **9.0**—News; Motto.
9.30—The Twelfth German Choral Festival—Recordings of the Styrian, Westphalian, Rhineland and Franconian Evenings. **10.30**—Report: The Brown Riband of Germany Horse Race. **10.40**—Dance Music from Berlin (Deutschlandsender). **11.0-11.30**—News.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 6.30 a.m.
6.30-10.30 a.m.—See Prague.
4.50 p.m.—"South Moravian Village Wedding"—Folklore Programme from Luzice. **5.35**—German Transmission: Talk; Perl Salon Orchestra; Medical Talk.
6.50-8.55—See Prague. **8.55**—Talk on the 9.0 Transmission.
9.0—See Monte Ceneri.
10.15-11.30—See Prague.

BRUSSELS (No. 1) (Belgium)

620 kc/s (483.9 m.); 15 kW.
5.0-5.10 a.m. and **6.0-6.10**—Homing-Pigeon Notes. **6.37-8.50**—Records; Gym; News. **8.50**—Homing-Pigeon Notes. **9.0**—Report: The Workers' Olympiad—Antwerp Workers. **10.0**—Records: Part I, Request. Part II, Bartók Pfte. Music. Part III, Tcherepnin Pfte. Music. **11.0**—Felleman Orchestra. **12.0 noon**—Records. **12.30 p.m.**—Shipping; Records. **1.0**—News.
1.10—Langlois Orchestra. Cocktail Music Revue 1937 (arr. Langlois). Waltz (Strauss). Alibert Potpourri (Scotto - Salabert). One - Step (Langlois). Selection, "Roberta" (Kern).
2.0—Art Notes. **2.3-2.15**—Records: Trio for Pfte., Oboe and Bassoon (Poulenc). **2.30**—Cerdana (de Séverac) by Mlle Tambuyser (Pfte.).
3.0—Recital by Léandre Vilain Organ

from the Kursaal, Ostend. Choral (Mendelssohn). Pieces (Schumann): (a) Abendlied, (b) Träumerei. Fugue in G minor (Bach). Serenade (Gounod).

3.30—Mme Letrilliart (Songs). Aria, "Dido and Aeneas" (Purcell). Aria, "Armide" (Gluck). Aria, "Les Béatitudes" (Franck). Still as the Night (Bohm). Song (Grieg). Tristesse (Chopin). Petit Mercier (Moulaert).

4.0—Records. 5.0—Dance Music from Knoché Casino.

6.0—Records. Suite in C (Bach). Theme with Variations (Beethoven-Tertis). Ballad (Grieg). The Enchanted Lake (Liadov).

7.0—Talk. 7.15—Records: Till Eulenspiegel's Merry Pranks (R. Strauss). 7.30—News. 8.0—Programme by Willy Maury, Gilberte Legrand and Waltham.

8.45—"La lettre chargée"—One-Act Comedy (Courteline).

9.0—Concert from the Kursaal, Ostend. 10.0—News. 10.10—Dance Music from Blankenberghe Casino. 11.0—12.0 m't.—Records.

BRUSSELS (No. 2) (Belgium)

932 kc/s (321.9 m.); 15 kW. Programme in Flemish.

5.0-5.10 a.m. and 6.0-6.10—Homing-Pigeon Notes. 6.37—Record. 6.40—Weather; Gym. 7.0—Homing-Pigeon Notes. 7.10—Records. 7.25—News. 7.40—Gym. 8.0—Homing-Pigeon Notes. 8.10—Records. 8.25—News. 8.40—Records. 8.50—Homing-Pigeon Notes. 9.0—For Gardeners. 9.5—Records. 10.0—Felleman Orchestra from the Casino-Kursaal, Blankenberghe.

10.45—Céline Bauwens (Pfte.). Barcarolle (Fauré). Two Impromptus (Schubert). Pièce symphonique (Dupuis).

11.15—Three Centuries of Organ Music (Records). 12.0 noon—Light Music—Langlois Orchestra. 1.0—News. 1.10-2.0—Records. 2.15—Records: "Andrea Chenier" (Giordano) by the Cast of the Scala. Conductor: Molajoli.

4.0—Irene Van Rysselberghe (Pfte.). Sonata in F (Mozart). Nocturne (Fauré).

4.20—Jeanne Deroubaix (Flemish Songs).

4.40—Carlo Van Neste (Violin). Intrada (Desplanes-Nachez). Concert Fantasia on Russian Themes (Rimsky-Korsakov). 5.0—Report: Finale of the Third Workers' Olympiad; at 5.30—Sports. 6.0—Chinese Poems. 6.15—Third Symphony (Saint-Saëns), by Alex Cellier (Organ) and Orchestra (Records). 6.45—Religious Address. 7.0—Song Cycle. Aus Fjeld und Fjord (Grieg), by Francine Bruylants. 7.15—Records. Trio for Wind Instruments (Ferroud). Caprice (Poulenc) by the Composer (Pfte.).

7.30—Film Review.

8.0—Light Music—Max Alexys Orchestra from the Alhambra Theatre.

8.45—Topical Talk: The Opening of the International Scout Jamboree in Holland. 9.0—Record.

9.5—Popular Concert from the Casino, Knoché. Conductor: Karel Candaël. Panzera (Baritone). Harvant (Violin). Overture, Carnaval romain (Berlioz). Violin and Orchestra: Legend (Maes). Songs. Le chasseur maudit (Franck). Songs. Italian Caprice (Tchaikovsky).

10.30—Report: The Closing of the Third Workers' Olympiad. 10.45—Records.

11.15-12.0 m't.—Dance Music by the Felleman Orchestra from the Casino-Kursaal, Blankenberghe.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania (Brasov), 160 kc/s (1,875 m.).

6.30-7.30 a.m.—To be announced. 8.55—Chimes; Service. 12.0 noon—Time; Notes. 12.10 p.m.—Romanian Folk Music—Marcu Orchestra; at 1.10—News. 1.45—Humorous Sketch (Manu). 2.0—For Peasants. 2.55-3.15—Romanian Folk Music. 6.0—Time; Weather. 6.2—Technical Notes. 6.12—Busuioceanu Orchestra. 7.20—Talk. 7.40—Choir.

8.15—Light Music—Radio Salon Orchestra. Conductor: Nottara. 9.30—News. 9.55-11.0—Records: Light Music.

BUDAPEST (No. 1) (Hungary)

546 kc/s (549.5 m.); 120 kW. 9.30 a.m.—News. 10.0—Protestant Service. 11.0—Roman Catholic Service.



Max Alexys, whose orchestra gives the Brussels No. 2 concert at 8 p.m.

12.30 p.m.—Opera Orchestra, Conductor: Rajter. Overture, "Anacreon" (Cherubini). Spanish Caprice (Rimsky-Korsakov). Hungarian Suite (Weiner). Third Symphony (Schubert).

2.0—Records. 3.0—For Farmers. 3.50—Egyetértés Choir. 4.30—Talk. 5.0—Lakatos Cigány Band. 6.0—István Bárány.

6.30—Station Salon Orchestra. 7.35—Reading. 8.0—Sports. 8.20—"Les deux Avars" (Grétry), Conductor: Dalnoky. 9.45—News. 10.0—Jávor Jazz Band.

10.50—Dances—Marta Linz (Violin). Gavotte (Bach). Minuet (Martini). Contredanse (Beethoven). Waltz (Weber). Rondo (Schubert). Spanish Dance (Sarasate). Hungarian Dance (Brahms). Molto allegro (Dohnányi).

11.25—Lakatos Cigány Band. György Kubányi (Refrains). 12.5 a.m. (Monday)—News.

BUDAPEST (No. 2) (Hungary)

359.5 kc/s (834.5 m.); 18 kW.

11.15 a.m.—Records. 3.0 p.m.—Post Office Band. 6.0—Lakatos Cigány Band. 6.25—To be announced. 7.10—Records. 8.15—To be announced. 10.45—News.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW.

6.0 a.m.—See Hamburg. 8.0—Weather. 8.5—Poems. 8.15—Orchestra, Zither. 10.0—Programme from the "Nation at Work" Exhibition, Düsseldorf. 10.30—Records. 11.0—See Königsberg.

12.0 noon—See Berlin. 2.0 p.m.—Report: The Start of the Balloon Race. 2.10—Station Schrammel Quartet. 2.30—Hints for Everyone. 3.0—Wind Band; at 3.5—See Munich.

4.0—See Munich. 4.5-6.0—Programme from Breslau. 6.0—Something

for Everyone. 6.50—Light Music by a Sextet and Dauner (Violin). Waltz (Unger). Heimlichkeiten (Rust). Addio a Napoli (Murzilli). Reginella (Kaplusch). Two Guitars (Ferraris). Violin: Two Folk Songs (Volksgut). Gallop, In Saus und Braus (Millöcker). 7.20—Sports.

7.30—Reports: (a) The Water-Polo Championship in Duisburg, (b) The German Trotting Race in Gelsenkirchen.

7.45—See Leipzig. 8.0—Variety Programme with the Station Orchestra, Conductor: Eysoldt. 10.0—Time; News. 10.30—Report from Düsseldorf: The German Weight-lifting Championship.

10.45-12.0 m't.—Dance Music from Deutschlandsender.

DEUTSCHLANDSENDER (Germany)

191 kc/s (1,571 m.); 60 kW.

6.0 a.m.—See Hamburg. 8.0—Weather; Records. 8.20—At the "Rote Ochs" in Sassenfeld. 8.40—From the Neckar to the Oder—Report. 9.0—Hinze Band, The Merry Accordionists, Karl de Vogt (Songs to the Lute). 10.0—Address. 10.45—Weber Records. 11.15—Weather. 11.30—Erwin Christoph (Organ), from the Ufa Palast, Berlin.

12.0 noon-2.0 p.m.—Programme from Frankfurt; at 1.0—Greetings. 2.0—Fairy Play.

2.30—Records: Overtures. 3.0—Harvest-time in the Village—Dances and Folk Customs. 3.30—Dance Records. 4.0-6.0—See Breslau.

6.0—Report: International Horse Race Week in Munich—The Brown Riband of Germany (Recorded). 6.15—Beautiful Melodies—Fröhlich Band and Records. 7.30—Sports. 7.45—Report: The International Air Rally in Zürich.

8.0—See Frankfurt. 10.0—News. 10.30 p.m.-12.55 a.m. (Monday)—Dance Music. Hippmann and Robert Bands. Erwin Christoph (Organ); at 10.45—Weather.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Relayed by Cassel, Coblenz, Freiburg, and Trier, 1,195 kc/s (251 m.).

6.0 a.m.—See Hamburg. 8.0—Water Level; Weather; Gym. 8.30—For Peasants. 8.45—Reger Music by Fritz Kullmann (Pfte.). 9.0—Service. 9.45—Report: The German Hill-Climbing Prize for Cars and Motorcycles, from the Schauinsland. 10.0—For Hitler Youth (Recorded). 10.30—German Folk Songs by the Station Choir, Conductor: Bruchhaus.

11.0 a.m.-2.0 p.m.—Commentary on the German Hill-Climbing Prize for Cars and Motorcycles from the Schauinsland. Interludes of Light Music by the Station Orchestra. 2.0 p.m.—Play for Children (Frey). 2.30—Records: Light Music. 3.0—For Peasants.

3.30—See Königsberg. 4.0—See Breslau. 6.0—Light Music by the Station Orchestra. Cassedanne and Ronneburg (Violins), Heinemann (Cello). 6.30—"Man, take care!"—Humoresque (Löhlein). 7.30—Sports. 7.45—See Leipzig.

8.0—Popular Music (Recorded). Cologne Station Orchestra, Conductor: Kühn. Gaden Band, Elisabeth Reichelt (Coloratura Soprano), Herbert Ernst Groh (Tenor), Schmitt-Walter (Baritone), Bund and Fischer (Pftes.), Fritzsche (Flute). Prelude, "The Ace of Hearts" (Künneke). Prologue, "I Pagliacci" (Leoncavallo). March (Miller). Aria, "Cavalleria rusticana" (Mascagni). Der Kilometer-

SUNDAY (August 1)

fresser (Fischer). Variations on a Mozart Theme (Adam). Stolz Fantasia (Kudritzki). Cavatina (Rossini). Picanterie (Bund). Aria, "Mignon" (Thomas). Krinolinen-Walzer (Scholz). Aria, "Der Wildschütz" (Lortzing). Kullerpfirsich (Kalthoff). Tango, Un giorno ti diro (Kramer). La Villanella (dell'Acqua). Fantasia on Rimsky-Korsakov's Hindu Song (Milenz). Am Springbrunnen (Perl). Foxtrot, Nachtigalls Liebeslied (Borchert). Aria, "Die Vielgeliebte" (Dostal). Flute: The Flight of the Bumble Bee (Rimsky-Korsakov-Fritzsche). Für jede Frau, gibt's einen Mann auf Erden (Mackeben). Auf der Rolltreppe (Fischer). Foxtrot, Die Musik spielt ganz leise (Kirchstein). Wann kommt die Stunde (Melichar). Tarantella (Fischer). 10.0—Time; News.

10.20—Report: The International Air Rally at Zürich.

10.30—See Deutschlandsender. 12.0 m't.-1.0 a.m. (Monday)—Serenade (Records). The Moldau (Smetana) by the Berlin Opera Orchestra. Pictures from Hungary (Béla-Bartok), by the Station Orchestra, Conductor: Rosbaud. Spanish Dances (Fallá) by the Hamburg Station Orchestra, Conductor: Thierfelder. Italian Caprice (Tchaikovsky), by the Station Orchestra, Conductor: Merten.

HAMBURG (Germany)
904 kc/s (331.9 m.); 100 kW. Relayed by Bremen, Flensburg, Hannover, Magdeburg and Stettin, 1,330 kc/s (225.6 m.).

6.0 a.m.—Harbour Concert. 8.0—News. 8.15—Talk. 8.30—See Königsberg. 10.0—For Hitler Youth (Recorded). 10.30—Meditation. 11.0 a.m.-2.0 p.m.—See Frankfurt. 2.0 p.m.—See Königsberg.

3.0—Wilhelmine Holzinger-Rauh (Pfte.). 3.30—See Königsberg. 5.0—Programme from Leipzig. 6.30—"The Goldmine"—Comedy (Rühl), Music by Wilhelm. 7.15—Records. 7.30—Sports; Weather. 8.0—See Königsberg. 10.0—News; Interlude. 10.30-12.0 m't.—See Deutschlandsender.

HILVERSUM (1,875 m.) (Holland)
160 kc/s; 10 kW until 7.40 p.m.; 150 kW from 7.40 p.m.

8.35-9.40 a.m.—VARA Programme. 8.35—Records; News; Talk. 9.10—Records. 9.20—Talk. 9.40-11.40—VPRO Programme. 9.40—Service. 11.10—Talk. 11.40 a.m.-4.40 p.m.—AVRO Programme. 11.40—Time. 11.41—Brouwerse (Organ) from Middelburg Church. 11.50—Talk: The Cinema. 12.15 p.m.—Light Music. Kovacs Lajos Orchestra. Palla (Organ). 12.40—Report from the Scout Jamboree at Vogelenzang. 12.55—Light Music—Kovacs Lajos Orchestra. 1.40—Weekly Book Talk. 2.10—Palla (Organ).

2.40—Concert from the Kurhaus, Scheveningen. The Hague Orchestra, Conductor: Neumark. Di Moorlag-Teves (Soprano). Overture and Aria, "Oberon" (Weber). Selection, "Faust" (Gounod). Aria, "Tannhäuser" (Wagner). Meditation, "Thais" (Massenet). Suite, "Carmen" (Bizet).

4.10—Commentary on the Swimming Races. 4.40-7.40—VARA Programme. 4.40—Crescendo Workers' Orchestra, Conductor: Kalf, and Records. 5.40—Sports. 6.10—Florence de Jong (Organ) and Miep Beuming (Soprano).

SUNDAY (August 1)

6.55—"The Fantasia," Conductor: Walis.

7.40 till Close Down—AVRO Programme. 7.40—Time; News.

7.55—Concert from the Kurhaus, Scheveningen. The Hague Orchestra, Conductor: Schuricht. Marinus Flipse (Pfte.). Overture, "The Hebrides" (Mendelssohn). Pfte. Concerto in A minor (Schumann). 8.40—Records. 8.55—"L'heure exquisite"—Conductor: v. Capelle. Bernard Lejeune (Songs). 9.55—Records. 10.40—News. 10.50—Carter Dance Band from the Palais de Danse, Scheveningen. 11.20-11.40—Palla (Organ).

HILVERSUM (301.5 m.) (Holland)
995 kc/s; 15 kW until 7.40 p.m.; 60 kW from 7.40 p.m.

8.10-9.10—KRO Religious Programme. 9.10-11.55—NCRV Programme. 9.10—Records of Sacred Music. 9.40—Service from the Scout Jamboree. 10.55—Records of Sacred Music. 11.55 a.m.-4.40 p.m.—KRO Programme. 11.55—KRO Orchestra. Conductor: Reinards. 12.40 p.m.—Literary Talk. 1.0—KRO Melodists. Conductor: Lustenhouwer. Klein Jr. (Refrains). 1.40—Report and Records. 2.10—St. Jozef Orchestra from Heerlen. 2.30—Inter Nos Double Quartet from Venlo. 2.45—Orchestra (contd.). 3.5—Report and Records. 3.40—For Invalids. 4.25—Sports.

4.45-7.25—NCRV Programme. 4.45—Service; Records of Sacred Music. 7.25 till Close—KRO Programme. 7.25—Records; Talk; News; Records. 8.10—KRO Melodists. Conductor: Lustenhouwer. Klein Jr. (Refrains). The Jolly Boys Xylophone Ensemble, van Beveren (Pfte.). 9.10—Report from the Scout Jamboree (Recorded). 9.40—KRO Orchestra. Conductor: Reinards. 10.10—News. 10.20-10.40—Epilogue.

KALUNDBORG (Denmark)
240 kc/s (1,250 m.); 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.).

8.0 a.m.—Gym. 9.30—Talk. 10.0—Service from the Citadel Church. 11.28—Weather. 11.40—News.

12.0 noon—Radio Orchestra. Conductor: Grøndahl. Overture, "Figaro" (Mozart). Hochzeitsreigen (Strauss). Hüte dich fein (Reinecke). Excerpts, "Falstaff" (Verdi). Abendlied (Katsch). Devil Dance (Kuula). Piet Hein (van Anrooy). March, "Polenblut" (Nedbal).

1.0 p.m.—The Opening of the Montessori Congress, from Christiansborg. Addresses of Welcome in Danish, English and Italian. Teachers' Choir: (a) Der er et yndigt Land (Krøyer), (b) Neapolitan Folk Song, Santa Lucia. Address of Welcome by the Minister of Education, Jørgen Jørgensen. Address by Dr. Maria Montessori, followed by Danish and English Translation. Teachers' Choir: Song to the Child.

2.0—Service from Christiansborg Castle Church. 3.40—Reading.

4.0—Tenth Municipal Concert from the Faelled Park. Wind Band. Conductor: Hye-Knudsen. Kwang Siu (Lincke). Peruvian Dance (Luscomb). Intermezzos, "The Jewels of the Madonna" (Wolf-Ferrari). Elegy (Massenet). Spanish Caprice (Rimsky-Korsakov). Ten Minutes Interval. Potpourri of Labour Songs (Hye-Knudsen). The Blue Danube (Strauss). Overture, "Orpheus in

the Underworld" (Offenbach). O sole mio (di Capua). Gallop, "Napoli" (Lumbye).

6.0—Popular Songs from Old and New Russia, by Vibeke Edmund. 6.20—Talk: Modern Art and Colour. 6.50—Weather. 7.0—News. 7.30—Talk: The Scandinavian Languages.

8.0—Operetta Music. Radio Orchestra. Conductor: Hye-Knudsen. Sigrid Brandel (Songs). Overture, "Flotte Bursche" (Suppé). Serenade, "Boccaccio" (Suppé). Excerpts, "The Tsarevitch" (Lehár). Song, "Die Kaiserin" (Fall). Excerpts, "Der liebe Augustin" (Fall). Song and Bolero, "The Spanish Nightingale" (Fall). March, "Eva" (Lehár). 9.0—"After Dinner"—Dialogue (Breidahl).

9.25—Old Danish Music by the Danish Mensural Cantori. Choirmaster: Foss.

9.50—Serenade in E (Dvořák) by the Radio String Orchestra. Conductor: Hye-Knudsen. 10.15—News.

10.30—From the Old Tivoli Days—Radio Orchestra. Conductor: Grøndahl. March, King Frederick VIII (Dahl). Excerpts, "Harlekin mekanisk Statue." Pieces (Lumbye): (a) Amelie Waltz, (b) Tivoli Vauxhall Polka, (c) Dream Pictures, (d) Champagne Gallop.

11.5 p.m.-12.30 a.m. (Monday)—Petersen Dance Band; at 12.0 m't.—Chimes.

KÖNIGSBERG (Heilsberg)

(Germany)

1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.).

Königsberg and Saarbrücken Day at the Radio Exhibition.

6.0 a.m.—See Hamburg. 7.30—A Regiment on the March... Chorus, Music, etc. 8.30—Band from the Radio Exhibition. Conductor: König. 10.0—Folk Music from Saarbrücken. Peasant Band, Choir, etc. 11.0—Round the Thousand Lakes—Sequence (Schulz-Escher and S. O. Wagner), with Music, from the Radio Exhibition. Börschel Band, Hans Eggert (Baritone), etc.

12.0 noon—Light Music from the Radio Exhibition. Station Orchestra and Saarbrücken Orchestra, Conductor: Kasper. Naval Band and Choir, Conductor: König.

2.0 p.m.—For Children, from Saarbrücken. 3.0—Folk Songs by a Peasants' Choir, Conductor: Getto.

3.30—Variety from the Radio Exhibition. Peter Arco, Börschel Band, etc. 5.0—Saarbrücken Day at the Radio Exhibition—Variety Concert. Orchestra, Conductors: Jung and Kasper. Elisabeth Reichelt (Coloratura Soprano). Luitpold Ganther (Tenor). Erich Weber (Violin). Rolf Naumann (Harp). The Four Merry Musicians. Maria Fougner and Gunther Wolfream (Pftes.). Saarbrücken Radio Players; at 5.45. "Der rote Faden"—Cabaret. 6.30—The Altstadt Market through the Centuries—a Picture Book, with Music by Ahl.

8.0—Saarbrücken Day at the Radio Exhibition. The Saar Vintage Festival—Variety. Orchestra, Conductor: Kasper, Bands, etc. 10.0—News.

10.20—Report: Trakèhnen Races. 10.30—Report: Stettin v. Königsberg Swimming Contests.

10.40-12.0 m't.—Dance Music from Deutschlandsender.

LAHTI (Finland)

166 kc/s (1,807 m.); 150 kW. Relayed by Helsinki, 895 kc/s (335.2 m.).

Transmits at intervals from 8.0 a.m.

12.0 noon—Service in Swedish. 1.30

—Report on the Swimming Contests from Vaasa.

4.30—Report on the Beauty Competition from the Golf Casino. 5.0—Records. 5.10—Report on the Workers' Olympiad from Antwerp. 6.0—Time; Weather (Finnish, Swedish). 6.10—Talk. 6.30—"Fjeldieder" (Kilpinen). 6.50—Recitation. 7.10—Music and Songs. 7.30—Talk. 7.40—Humorous Items. 8.5—Anecdotes.

8.15—Radio Sextet. Conductor: Cronvall. 8.45—News (Finnish, Swedish). 9.10—Report on the Workers' Olympiad from Antwerp. 9.30—Sports Notes. 9.45-11.0—Records.

LEIPZIG (Germany)

785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.).

6.0 a.m.—See Hamburg. 8.0—Hanns Ander-Donath (Organ) from Dresden Cathedral. Prelude and Fugue in C (Bach). Fantasia in G (Bach). Theme and Variations in A flat (Thiele).

8.30—Records. 9.0 (from Dresden)—To be announced. 9.45—Music. 10.0—For Hitler Youth.

10.30—The Twelfth German Choral Festival in Breslau (Recorded).

12.0 noon—See Königsberg. 2.0 p.m.—Weather. 2.5—Records: Light Music.

2.50-6.30—Commentaries on the German Rowing Championships in Leipzig, with Records; at 4.0-4.45—Programme from Königsberg. 6.30—Ernst Wurm reads.

6.50 (from Dresden)—Folk Dances of the Nations. Chartofilax Mandoline Quartet. Margarethe Aulhorn-Specht (Soprano). Pomeranian Peasant Waltz (Schütz). Spanish Dance (Maciocchi). Sicilian Peasant Dance (arr. Chartofilax). Mazurka (Chopin). Old German Folk Dances (arr. Wölki). Styrian Dance (Schütz). Arab Dance (arr. Chartofilax). Bolero (Verdi). Old Grecian Dances (arr. Chartofilax). Allgäuer Bua (Schütz). Turkish Dance (arr. Chartofilax). Tarantella (Rossini). Canadian Dance (Ludwig). Scandinavian Peasant Dances (Schütz). Mein Lebenslauf ist Lieb' und Lust (Strauss). Old German Folk Dances (arr. Wölki).

7.45—Report: The German Rowing Championships in Leipzig.

8.0—See Königsberg. 10.0—News.

10.30-12.0 m't.—See Deutschlandsender.

LILLE (Radio PTT Nord) (France)

1,213 kc/s (247.3 m.); 60 kW.

Transmits at intervals from 6.45 a.m. 7.0 p.m.—News. 7.30—For Farmers. 8.0—Records 8.10—Sports. 8.20—Records.

8.30—See Toulouse (PTT). 10.30—News.

MONTE CENERI (Switzerland)

1,167 kc/s (257.1 m.); 15 kW.

11.30 a.m.—Announcements; Bible Reading. 11.55—Records: Music by Jaques-Dalcroze and Gustav Doret. 12.10 p.m.—Swiss Marches and Songs. 12.30—News. 12.40-1.30—Records: "William Tell" (Rossini).

6.0—Records: Songs of Switzerland. 6.40—For Boys. 6.55—Records: Swiss Marches. 7.10—Sports. 7.25—Report: The Cycle Tour of Switzerland. 7.45—News. 7.55—Report: The Unveiling of the Giornico Memorial.

8.15—See Beromünster.

9.0—"The First of August"—Programme for the Swiss National

Festival. Part I. Swiss Psalm (Zwyssig) by the Zürich Male Voice Choir, Conductor: Max Graf; and Beromünster Station Orchestra, Conductor: Hofmann. Part II. The First of August—Talks in the four National Languages: (a) French: Le premier août dans une grande ville (August 1 in a city); (b) Romantsch: Ils prüms avost traunter ils sudos ramaountschs (August 1 in the Romantsch Country); (c) German: Der erste August in den Bergen (August 1 in the Mountains); (d) Italian: Il primo Agosto lontano dalla Patria (August 1 among the Swiss Abroad). Part III. Military March. The Berne Philharmonic, Conductor: Jäggi. Part IV. Address by Dr. Giuseppe Motta, President of the Swiss Republic. Part V. National Songs of Switzerland. Canterina Ticinese, Conductor: Johner; Zürich Male Voice Choir, Conductor: Max Graf; Beromünster Station Orchestra, Conductor: Hofmann; and a Romantsch Choir. Inno al Ticino (Mantegazzi). Il comün nel silenzi (Suter-Lansel). Le vieux châlet (Bovet). Unsere Berge (Suter-Gilm). Roulez tambours (Amiel). L'amor patrio ticinese (Vicari). Appenzeller Landsgemeindlied (Tobler). Part VI. Symphonic Finale on National Themes (Robert Blum) by the Beromünster Station Orchestra, Conductor: Hofmann. 10.15-10.20—Sports.

MOSCOW (No. 1) (Russia)

172 kc/s (1,744 m.); 500 kW.

5.30 p.m.—News. 6.0—Records. 6.30—Provincial Programme. 9.0—German Programme. 9.55—Kremlin Chimes.

10.5—English Talks: (a) Fascism means War, (b) The U.S.S.R. and Peace. 11.0—German Programme. 12.0 m't.-1.0 a.m. (Monday)—Spanish Programme.

MUNICH (Germany)

740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.).

6.0 a.m.—See Hamburg.

7.0—Military Band from the Steamer Minerva, at Donaustauf. 8.0—Serenade (Records). 8.55—Service. 9.30—Pfte. Duo. 10.0—For Soldiers—A Sequence (Flex), with Bach and Beethoven Records.

10.30—The Fourth German Peasant Costume Festival from Bayreuth (Recorded).

11.15—Promenade Concert from the Wandelhalle, Bad Tölz.

12.0 noon—See Berlin. 2.0 p.m.—Records: Opera and Light Classical Music.

3.0-6.0—Light Music. Station Orchestra, Conductor: Mihalovic. Station Schrammel Quartet. Military Band. In the Intervals, at 3.5, 3.30, 4.0 and 4.40—Reports: The International Munich Horse Race Week—The Brown Riband of Germany.

6.0 (from Augsburg)—The Seven Swabians...—Legend. 7.40—Sports.

8.0—Station Orchestra, Conductor: Michalski, with Erna Sack and Karl Ostertag (Songs). Kusche and Schmidmeier (Pfte. Duo). Suite, Südlieh der Alpen (Fischer). Song "Der Prinz von Thule" (Katnigg). Suppé Fantasia (Hruby). Song, "Die Fledermaus" (Strauss). Tarantella (Rachmaninov). Tenor: Damals war's (Schulenburg). Styrian Dance Suite (Pachernegg). Soprano: Draussen in Sievering (Strauss). Rhapsody (Rixner). Musikalischen Spielsachen (Kusche).

Barcarolle (Grothe). Soprano: La foletta (Marchesi). Musikalische Memoiren (Lehár). Tenor: Nur für Natur (Strauss). Waltz, So war's in Wien (Muhr). Two Soprano Songs (a) Ein Blumenstraus aus Nizza (Buday), (b) I hab amal a Räuscherl g'habt (Kapeller). Pfte. Duo. March, Folies bergère (Lincke).

OSLO (Norway)

260 kc/s (1,153.8 m.); 60 kW. Relayed by Fredrikstad, 722 kc/s (415.4 m.); Hamar, 519 kc/s (578 m.); Notodden, 1,357 kc/s (221.1 m.); Porsgrund, 850 kc/s (352.9 m.); Rjukan, 1,348 kc/s (222.6 m.); and Trøndelag, 629 kc/s (476.9 m.).
10.5 a.m.—Records: Violin Concerto in A minor (Glazunov). Die Allmacht (Schubert).
10.25—Service from Bergen Cathedral.
5.0 p.m.—Folk Music. 5.30—Records.
6.30—Recitations. 6.50—Accordion. 7.15—News. 7.30—Time; Report: The Workers' Olympiad at Antwerp.
7.50—Light Music—Station Orchestra. Conductor: Kramm. Overture, "Waldmeister" (Strauss). Suite, "Sleeping Beauty" (Tchaikovsky). Bergensiana (Halvorsen).
8.35—Sketch. 8.50—Station Orchestra. 9.40—News; Sports. 10.15—11.0—Dance Records.

PARIS (Eiffel Tower) (France)

1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 7.30 a.m. **5.0 p.m.**—Television.
7.0—Dramatic Programme: "Franz-Joseph Haydn" — One-Act Play (Bernanose-Cadou), with Haydn Music. "L'impromptu des personnages" — One-Act Play (Menuo).
8.30—Symphony Concert of Alsatian Composers' Music. Guest Conductor: de Villers. Symphony (Boillmann). L'ombre (Schirle). Horn Concerto (Adam). Kaa (Bloch). Ballet des fables (Bergmann). Le "Pfyfferdea" de Ribeauville (Erb).

PARIS (Poste Parisien) (France)

959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.52 a.m. **10.30 a.m.**—Debussy Music.
11.15—Records of Jacques Thibaud. Hymn to the Sun (Rimsky-Korsakov). Two Spanish Dances (Granados). Le Déluge (Saint-Saëns).
11.30—Records: Sketches. 11.45—Song Records. 12.5 p.m. — For Children. 12.15—Records. 12.30—Records: The Cuban Trio. 12.45—Verdu Arvellys Orchestra. 1.0—Vocal Quintet with Raymond Souplex and Jane Sourza. 1.35—Records. 1.50—2.0—Lecture-Recital: Berlioz. 6.0—Variety Records. 7.0—News. 7.30—"The French Colonies"—Sequence. 7.45—Records of Florelle. 7.55—Les Frères Jacasse. 8.0—News. 8.5—La bonne histoire. 8.20—Records of Fanely Revoil. 8.35—Records of Damia. 9.0—News. 9.10—Amateurs' Programme; at 9.55—News. 10.30—11.30—Variety Records.

PARIS (PTT) (France)

695 kc/s (431.7 m.); 120 kW. **6.50 a.m.**—Weather. 7.0—News. 7.30—Gym. 7.45—Talk. 8.0—News. 9.0—For Farmers. 9.15—Homing-pigeon Notes. 9.17—Sports. 9.30—Press Review. 9.45—For Young People.
10.0—Light Music. Locatelli Orchestra. Christiane Rongier (Songs).
12.0 noon—Light Music—Derveaux Orchestra; at 12.45 p.m.—News. 2.0—Commentary on the Swimming Contests, France v. Belgium. 3.30—Light

Music from Vichy Casino. 4.30—Light Music. Boldi Orchestra. Clara Tambour (Songs). Georges Laurent (Violin). 5.30—"Harmonie"—Play in Three Acts (Duvernois).

6.30—Gabrielle Gills (Songs). Arias (Mozart and Chausson). 6.45—Hélène Pignari (Pfte.). Nocturne (Fauré). Minuet (Ravel). Scherzo (Bondeville). Bavardes (Ibert). Mignardes (Ibert). 7.0—News. 8.0—Variety.

8.30—Variety Concert with "Les vacances des Dupont" — Sketch (Bastia). Don Ramon Orchestra, Renée Camia and Emile Rousseau (Songs), etc. 10.30—News.

10.45—Records. Love's Dream after the Ball (Czibulka) by the Marek Weber Orchestra. Caprice (Poulenc) by the Composer (Pfte.). 11.0—Weather.

11.5—Dance Music from Paris (Radio-Paris).



E.N.A. Switzerland's National Holiday is the mainspring of to-day's programmes there. Holidaymakers on the Col du Lauteret

PARIS (Radio-Paris) (France)

182 kc/s (1,648 m.); 80 kW. Time Signals at 8.30 p.m. and 10.45 p.m.
6.50 a.m.—Records. 7.0—Gym. 7.15—Records. 7.30—News. 8.0—Records: Light Music. 9.0—Records: Russian Music. 9.30—Report: The Workers' Olympiad. 10.0—Reading. 10.30—Records: Light Music.
11.30—Duruflé (Organ). Fugue in G minor (Bach). Choral in B minor (Franck). Les cloches de Hinckley (Vierne).

12.0 noon—Roman Catholic Address by the Rev. Father de Parvillez. 12.20 p.m.—Records: Contemporary Sacred Music.

12.30—Dubruille Orchestra. Marche des soldats de plomb (Pierné). Song, Serenade, Farandole and Minuet (Boccherini). Excerpts, "Carmen" (Bizet). Serenade in B flat (Widor). Ballet Music from "Isoline" (Messenger).

1.15—Marthe Darvys (Songs). 1.30—News.

1.45—Dubruille Orchestra. Excerpts, "Piccolino" (Guiraud), and "Cydalise et le Chèvre-pied" (Pierné). Waltz, Pomone (Waldteufel).

2.0—For Young People. 2.45—Lena-Dora Song Duo.

3.0—The Unveiling of the Memorial to American Soldiers, from Montfaucon. Addresses by Mr. Bullitt, U.S.A. Ambassador to France, General Pershing, Marshal Pétain, M. Lebrun, President of the French Republic, with Recordings of a Speech at Washington by President Roosevelt.

4.15—Louis Tiercelin Programme. Talk: The Life and Work of Tiercelin. Reading (Tiercelin).
5.0—Light Music—Josse Orchestra. 6.45—La Houppa.

7.0—Radio-Paris Guignol by Bilboquet, Zecca and Rolande Gardet: "Le domestique gentleman"

(Crozière). In the interval, Polichinelle.

7.30—Russian Folk Music. Serge Bagretzoff Cigány Vocal Quartet, Valia Lebedeva, Galia Toumanoff, and Bagretzoff and Massalsky (Guitars). 8.0—Political Review. 8.15—Clément Duhour (Songs).

8.30—Farces of Five Countries. France: Le médecin malgré lui (Molière). Germany: Faust. Italy: Pantaloon's Wedding. England: Catching a Miser. Spain: The Sentry (Cervantès); at 9.30—News. **10.30**—Records of Marches. Wedding March (Mendelssohn). March from "The Ruins of Athens" (Beethoven) by the BBC Orchestra. March, "Sigurd Jorsalfar" (Grieg) by the Gurlitt Orchestra. Russian March (Luigini) by the Covent Garden Orchestra.

10.45—News. 11.0 p.m.—1.0 a.m. (Monday)—Dance Records.

PRAGUE (Czechoslovakia)

638 kc/s (470.2 m.); 120 kW. **6.30 a.m.**—Motto; News; Records. **7.0**—Karlsbad Municipal Orchestra from Karlsbad. 8.20—Police Messages. 8.30—For Workers. 8.45—Industrial Review.

9.0—End of the Academic Year at Hranice Military College—Swearing-in of New Officers, Review, etc.—Report from Moravská-Ostrava. 10.30—Muzik Salon Quartet.

10.55—Books. **11.0**—Military Band from Podebrady. Conductor: Blazek.

12.0 noon—Chimes; Record. 12.10 p.m.—News.

12.20—"Slovak Princess" (Piskacek). Conductor: Vipler. 1.45—For Farmers. 2.0—For Farmers (German). 2.15-2.25—Talk (German): War and Peace.

3.30—Report from Antwerp: The Czechoslovak Teams at the Third Workers' Olympiad. 4.10—Records. 4.20—Weekly Review.

4.50—See Brno. 5.35—German Transmission. Talk; Wireless Review; Talk on Switzerland.

6.50—News (German); Record. 7.0—News.

7.5—Military Band from the Královská-Obora. Conductor: Thier.

8.0—Jindrich Mošna Centenary Programme.

8.30—Sroubek (Violin), and the FOC Orchestra (Recorded). Legend (Wieniawski). Zigeunerweisen (Sarasate).

8.45—Talk: The Swiss National Festival.

8.55—Talk on the following Programme.

9.0—See Monte Ceneri.

10.15—News; Records. 10.45—News (German).

10.50-11.30—Dance Music by Dvorsky and his Melody Boys from the Richmond Park Hotel, Karlsbad.

RADIO-NORMANDIE (France)

1,113 kc/s (269.5 m.); 15 kW. **6.45 a.m.**—Band. 7.0—News. 7.45—Records. 8.0—Light Music. 8.30—Sacred Music. 8.45—Records. 9.0—Light Music. 9.15—Vedettes of Hollywood 9.30—Alfredo Campoli and his Orchestra. 9.45—Light Music. 10.0—Records. 10.15—Carson Robinson and his Pioneers. 10.30—Records. 10.45—Light Music. 11.0—Records. 11.15—Band. 11.30—Jay Wilbur and his Orchestra.

11.45—From the Casino, Fécamp. 12.20 p.m. — Religious Address: Modern Literature in the Service of Christianity. 12.35—News.

1.0—Concert. 2.0—Records. 2.30—Light Music. 2.45—Records. 3.0—Light Music. 3.30—Variety Items. 3.45—Light Music. 4.0—Variety Items. 5.0—Light Music. 6.0—Music-Hall. 6.15—Alfredo Campoli and his orchestra. 6.30—Music-Hall. 7.0—Light Music. 7.15—The Voice of the Stars. 7.30—Sports Talk. 7.40—News.

8.0—Concert. 9.30—Humorous Items. 10.0—Report: The Paris Exhibition. 10.15—Light Music. 10.30—Records. 11.0—Film Music. 11.15—Records of Jeannette MacDonald and Nelson Eddy. 11.30—Dance Music. 12.0 m't.—Midnight Melodies. 12.30-1.0 a.m. (Monday)—Dance Music.

REYKJAVIK (Iceland)

208 kc/s (1,442 m.); 16 kW. **11.45 a.m.**—Mozart Concert. Pfte. Concerto in D minor. Haffner Symphony.

12.40 p.m.—Weather (Icelandic, English, German). 1.0 p.m.—Service from the Cathedral. 2.0—Music. 5.15—Light Classical Music.

9.10—Weather (Icelandic, German, English). 9.20—Light Classical Music. 9.55—Announcements. 10.0—Time; News. 10.30—Talk. 10.55—Arias. 11.15—Recital.

11.40 p.m.—2.0 a.m. (Monday)—Dance Music.

ROME (Italy)

713 kc/s (420.8 m.); 50 kW. Relayed by Naples, 1,104 kc/s (271.7 m.); Bari (No. 1), 1,059 kc/s (283.3 m.); Bari (No. 2), Milan (No. 2) and Turin (No. 2), 1,357 kc/s (221.1 m.).

8.30-8.50 a.m.—News. 10.0—Rural Programme.

11.0—See Turin. 12.0 noon-12.15 p.m.—Bible Reading.

12.30-2.15—See Turin.

2.20-3.0—News; Symphony Music. 5.0—Sports.

5.15—"Arlecchino" (Chesi). Conductor: Gallino. In the intervals, News; Sports. 7.45—Sports; Light Music. 8.10—News. 8.30—Talk.

9.0—"Madame Butterfly" (Puccini). Conductor: Berrettoni. Chorus-Master: Consoli. Cast: Magda Olivero, Ebe Ticozzi, Liana Avogadro, Alessandro Ziliani, Rossi Morelli, Giuseppe Nessi, Natale Villa, Ernesto Dominici, and Diego Pramauro. In the intervals, Film Review; News.

11.15 (approx.)-11.50—Dance Music.

SOTTENS (Switzerland)

677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.).

9.55 a.m.—12.30 p.m.—From Geneva. 9.55—Chimes. 10.0—Protestant Service from St. Peter's Cathedral. 11.15—Open-Air Band Concert. Conductor: Santandrea. 12.0 noon—Interlude. 12.15 p.m.—Roger Vuataz (Carillon) from St. Peter's Cathedral.

SUNDAY (August 1)

12.30—News. 12.40-2.0 (from Geneva)—Records. 3.40 (from Geneva)—Records.
 4.10-4.40—Commentary from Bellinzona: The Cycle Tour of Switzerland.
 5.30-6.30—From Geneva. 5.30—Protestant Address. 6.0—Records. 6.30—Commentary from Bellinzona: The Cycle Tour of Switzerland. 7.0 (from Geneva)—Interlude. 7.20—Report: The International Air Rally at Zürich. 7.30 (from Geneva)—Sports. 7.50—News.
 8.0-9.0—From Geneva. 8.0—Talk: August 1. 8.10—Excerpts, "Wilhelm Tell" (Schiller).
 9.0—See Monte Ceneri. 10.15—Weather.

STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW. Relayed by Motala, 216 kc/s (1,389 m.); Göteborg, 941 kc/s (318.8 m.); Hörby, 1,131 kc/s (265.3 m.); and Boden, 392 kc/s (765 m.).
 9.30 a.m.—For Farmers.
 10.0—Records. Double Concerto in A minor (Brahms), with Thibaud (Violin) and Pau Cassals (Cello). Conductor: Cortot. Sixth Symphony (Sibelius) by the Helsinki Municipal Orchestra. Conductor: Schnéevoigt.
 11.0—Service from Orebro. 12.40 p.m.—News. 12.55—Time.
 1.30—The International Peace Congress at Skansen—Addresses by Hr. Johansson (Sweden), M. Edouard Herriot (France), Prof. Noel Baker (England), Hr. Jesper Simonsen (Denmark), Fru Selma Anttila (Finland), Hr. Oldén (Norway). Stockholm Workers Choir; Band.
 3.0—Quartet in F minor (Nielsen) from Malmö.
 3.30—Viennese Music. Norrköping Orchestra. Conductor: Freudenthal. Overture, "Prince Methusalem" (Joh. Strauss). Schatzwalzer (Joh. Strauss). Joseph Strauss Potpourri (Fétras). Waltz (Ed. Strauss). Selection, "A Waltz Dream" (O. Strauss). Radetzky March (Joh. Strauss, Sen.).
 4.30 (from Göteborg)—For Children.
 5.0—Weather. 5.5—Records. 6.0—Baptist Service. 7.15—News. 7.30—Talk. 8.0—Report. 8.50—Play. 9.45—News.
 10.0—"August"—Light Music by Barkel (Violin), Haquinus (Pfte.), Sällström (Songs). Songs (Peterson-Berger, Haquinus). Violin: (a) Fantasia (Sjögren), (b) Swedish Dance (Haquinus), (c) Romance (Broman). Pfte.: Legends of Lake Mälaren (Rangström), (b) Dawn at Sea (Seymer), (c) Erotica (Sjögren). Songs (Stenhammar, Rangström). Poems in the interval.
 11.0-11.5—Report: The Chess Tournament.

11.0—Service from Orebro. 12.40 p.m.—News. 12.55—Time.
 1.30—The International Peace Congress at Skansen—Addresses by Hr. Johansson (Sweden), M. Edouard Herriot (France), Prof. Noel Baker (England), Hr. Jesper Simonsen (Denmark), Fru Selma Anttila (Finland), Hr. Oldén (Norway). Stockholm Workers Choir; Band.
 3.0—Quartet in F minor (Nielsen) from Malmö.
 3.30—Viennese Music. Norrköping Orchestra. Conductor: Freudenthal. Overture, "Prince Methusalem" (Joh. Strauss). Schatzwalzer (Joh. Strauss). Joseph Strauss Potpourri (Fétras). Waltz (Ed. Strauss). Selection, "A Waltz Dream" (O. Strauss). Radetzky March (Joh. Strauss, Sen.).
 4.30 (from Göteborg)—For Children.
 5.0—Weather. 5.5—Records. 6.0—Baptist Service. 7.15—News. 7.30—Talk. 8.0—Report. 8.50—Play. 9.45—News.
 10.0—"August"—Light Music by Barkel (Violin), Haquinus (Pfte.), Sällström (Songs). Songs (Peterson-Berger, Haquinus). Violin: (a) Fantasia (Sjögren), (b) Swedish Dance (Haquinus), (c) Romance (Broman). Pfte.: Legends of Lake Mälaren (Rangström), (b) Dawn at Sea (Seymer), (c) Erotica (Sjögren). Songs (Stenhammar, Rangström). Poems in the interval.
 11.0-11.5—Report: The Chess Tournament.

11.0—Service from Orebro. 12.40 p.m.—News. 12.55—Time.
 1.30—The International Peace Congress at Skansen—Addresses by Hr. Johansson (Sweden), M. Edouard Herriot (France), Prof. Noel Baker (England), Hr. Jesper Simonsen (Denmark), Fru Selma Anttila (Finland), Hr. Oldén (Norway). Stockholm Workers Choir; Band.
 3.0—Quartet in F minor (Nielsen) from Malmö.
 3.30—Viennese Music. Norrköping Orchestra. Conductor: Freudenthal. Overture, "Prince Methusalem" (Joh. Strauss). Schatzwalzer (Joh. Strauss). Joseph Strauss Potpourri (Fétras). Waltz (Ed. Strauss). Selection, "A Waltz Dream" (O. Strauss). Radetzky March (Joh. Strauss, Sen.).
 4.30 (from Göteborg)—For Children.
 5.0—Weather. 5.5—Records. 6.0—Baptist Service. 7.15—News. 7.30—Talk. 8.0—Report. 8.50—Play. 9.45—News.
 10.0—"August"—Light Music by Barkel (Violin), Haquinus (Pfte.), Sällström (Songs). Songs (Peterson-Berger, Haquinus). Violin: (a) Fantasia (Sjögren), (b) Swedish Dance (Haquinus), (c) Romance (Broman). Pfte.: Legends of Lake Mälaren (Rangström), (b) Dawn at Sea (Seymer), (c) Erotica (Sjögren). Songs (Stenhammar, Rangström). Poems in the interval.
 11.0-11.5—Report: The Chess Tournament.

11.0—Service from Orebro. 12.40 p.m.—News. 12.55—Time.
 1.30—The International Peace Congress at Skansen—Addresses by Hr. Johansson (Sweden), M. Edouard Herriot (France), Prof. Noel Baker (England), Hr. Jesper Simonsen (Denmark), Fru Selma Anttila (Finland), Hr. Oldén (Norway). Stockholm Workers Choir; Band.
 3.0—Quartet in F minor (Nielsen) from Malmö.
 3.30—Viennese Music. Norrköping Orchestra. Conductor: Freudenthal. Overture, "Prince Methusalem" (Joh. Strauss). Schatzwalzer (Joh. Strauss). Joseph Strauss Potpourri (Fétras). Waltz (Ed. Strauss). Selection, "A Waltz Dream" (O. Strauss). Radetzky March (Joh. Strauss, Sen.).
 4.30 (from Göteborg)—For Children.
 5.0—Weather. 5.5—Records. 6.0—Baptist Service. 7.15—News. 7.30—Talk. 8.0—Report. 8.50—Play. 9.45—News.
 10.0—"August"—Light Music by Barkel (Violin), Haquinus (Pfte.), Sällström (Songs). Songs (Peterson-Berger, Haquinus). Violin: (a) Fantasia (Sjögren), (b) Swedish Dance (Haquinus), (c) Romance (Broman). Pfte.: Legends of Lake Mälaren (Rangström), (b) Dawn at Sea (Seymer), (c) Erotica (Sjögren). Songs (Stenhammar, Rangström). Poems in the interval.
 11.0-11.5—Report: The Chess Tournament.

STRASBOURG (France)

859 kc/s (349.2 m.); 100 kW.
 6.50 a.m.—Weather. 7.0—News. 7.30—News (German). 7.45—Records. 8.0—News (German). 8.15-8.30—Gym. 9.0—See Paris (PTT).
 9.15—Records. Negro Spirituals. Symphony, From the New World (Dvořák).
 10.45—Protestant Service. 11.30—Roman Catholic Service (German).
 12.0 noon—See Paris (PTT). 12.45 p.m.—News. 1.15—Records of French, Russian, Peruvian and Tahitian Folk Music. 2.0—Talk: Chess. 3.0—See Paris (Radio-Paris).
 4.15—To be announced.

4.30—Military Band from Metz.
 6.0—Marianne Ricklin (Songs), with Rumetsch (Violin).
 6.30—Medical Talk. 6.45—Records of the Livschakoff Orchestra. 7.0—News. 7.30—For Farmers. 8.0—News (German). 8.15—News. 8.30—Swiss Picture Book (in German) for the Swiss National Festival.
 9.30—Alsatian Evening: "Lehre franzesch"—One-Act Farce (Litzelmann) after Tristan Bernard. 10.30—News. 11.0—News (German).
 11.5—Dance Music.



Exclusive "World-Radio" Picture
 Madame Suzanne Dehelly,
 "Jacqueline" in "Le Médecin
 malgré lui" at Radio-Paris
 (8.30 p.m.)

STUTTGART (Germany)

574 kc/s (522.6 m.); 100 kW.
 6.0 a.m.—See Hamburg. 7.30—See Königsberg. 8.30—Weather; Gym. 9.0—Protestant Service. 9.30—Records: Chamber Music. 10.0—For Hitler Youth.
 10.30—Twelfth German Choral Festival Concert (Recorded). 11.30—Literary and Musical Programme with Verse by Bruno Müller. Walter Schwarz (Recitations), Bruno Müller (Baritone) and Erich Herrmann (Pfte.).
 12.0 noon-2.30 p.m.—Programme from Frankfurt; at 1.0-1.15—Topical. 2.30—Records of Herbert Ernst Groh.
 3.0-5.0—See Munich.
 5.0—See Königsberg. 6.30—"The Swiss Confederation"—Historical Play (Kanig). 7.30—Sports.
 7.45—See Leipzig.
 8.0—Station Orchestra, Conductor: Görlich. Heinz Mönch (Zither). Walter Reichardt (Cello). March, "The Gipsy Baron" (Strauss). Overture, "Donna Diana" (Reznicek). Waltz, "Der Rosenkavalier" (Strauss). Pizzicato-Polka (Strauss). Unter Donner und Blitz (Strauss). Overture, "Fatinitza" (Suppé). Zither: Waltz, Tales from the Vienna Woods (Strauss). Overture, "Si j'étais Roi" (Adam). Cello: Der tanzende Mond (Aubry). Florentine Music (Fucik).
 9.0—Dance Music and Light Music. Station Orchestra, Conductor: Bara. Richard Nothelfer (Songs). 10.0—Time; News.
 10.20—Report: The International Air Rally at Zürich.
 10.30—See Deutschlandsender.
 12.0 m't.-1.0 a.m. (Monday) — See Frankfurt.

TOULOUSE (PTT) (France)

776 kc/s (386.6 m.); 120 kW. Transmits at intervals from 6.50 a.m. 8.30 p.m. (also Lille (Radio PTT Nord))—"Miss Decima" (Audran) by The Artists and Chorus of the Capitol Theatre. Conductor: Brouillac. 10.30—News. 10.45—Records.
 11.5—Dance Music.

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW.
 11.40 a.m.—Orchestra. 11.45—Roman Catholic Address; Choral (Bach). 12.5 p.m.—Orchestra. 12.15—News. 12.45—"Saison heureuse"—Fantasy. 1.10—Excerpts, "The Land of Smiles" (Lehár). 1.40—Dance Songs. 1.55—News. 2.0-2.15—Protestant Address.
 6.0—Orchestra. 6.10—Dance Music. 6.35—Film Songs. 6.50—News; Sports. 7.0—Orchestra. 7.15—News. 7.45—Scotto Operetta Music. Excerpts, "Zou le midi bouge," "Trois de la marine," "Un de la Canebière," "Au Pays du Soleil."
 8.15—Chansonnettes.
 8.30—Excerpts, "Madame Butterfly" (Puccini). 8.45—Military Band.
 9.10—Gounod Music. Excerpts, "Faust," "Mirella," "Romeo and Juliet," "Phlémon et Baucis."
 9.50—Paris Programme. 10.20—Argentine Orchestra. 10.35—"La Mer"—Fantasy. 10.50—Orchestra.
 11.0—Operetta Songs, "Passionément" (Messenger), "Les noces de Jeannette" (Massé), "Au Soleil de Marseille" (Sellers), "Three Waltzes" (Strauss), "Ignace" (Dumas).
 11.15—Orchestra. 11.35—Light Music. 11.50—Announcements.

TURIN (No. 1) (Italy)

1,140 kc/s (263.2 m.); 7 kW. Relayed by Milan (No. 1), 814 kc/s (368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,140 kc/s (263.2 m.); Florence, 610 kc/s (491.8 m.); Bolzano, 536 kc/s (559.7 m.); and Rome (No. 3), 1,258 kc/s (238.5 m.).
 8.30-8.50 a.m.—News. 10.0—Rural Programme.
 11.0—Mass from the Church of the Annunciation, Florence. 12.0 noon-12.15 p.m.—Bible Reading. 12.30—Records. 1.0—News.
 1.15—Variety. 1.45-2.15—Records. 5.0—Sports.
 5.15—Symphony Concert. Conductor: Previtali. Vico La Volpe (Pfte.). Pfte. Concerto (Martucci). Trasfigurazione (Sallustio). Iberia (Debussy). Two Norwegian Dances (Grieg); at 6.0 (approx.)—Sports; Weather.
 7.45-9.0—See Rome.
 9.0—"Romeo and Juliet"—Tragedy (Shakespeare) (Italian Trans.: Paola Ojetti), with Music by Berlioz, from the Courtyard of the Ca' Foscari, Venice. Orchestra, Conductor: Votto. In the intervals, News (German, Italian).

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Relayed by Graz and Linz, 886 kc/s (338.6 m.); Innsbruck, 519 kc/s (578 m.); Klagenfurt and Vorarlberg, 1,294 kc/s (231.8 m.); and Salzburg, 1,348 kc/s (222.6 m.).
 7.45 a.m.—Chimes; Schlatter (Organ). 8.5—Motto; Time; Weather; Programme Notes. 8.10—Gym. 8.30—Hints for the Week.
 8.45—Mass from St. Peter's Abbey Church, Salzburg. 10.0—Records.
 11.0—For Farmers. 11.25—Talk. 11.40—Time; Announcements.
 11.45—Vienna Chamber Orchestra. Conductor: Auderith. Christa Richter-Steiner and Georg Steiner (Violins). Fugue in A minor (Bach). Concerto in A minor for Two Violins and Orchestra (Vivaldi). Concerto for Strings (Handel). Andante cantabile (Uray). Symphonische Spielmusik (Bayer).
 12.55 p.m.—Vienna Chamber Orchestra. Conductor: Hühn. Overture, "La belle Hélène" (Offenbach). Waltz, Liebeslieder (Strauss). Roma

Suite (Bizet). Excerpts, "La Bohème" (Puccini). German Dances (Schubert). Two Pieces, "Zauber der Bohème" (Stolz): (a) Weine nicht, (b) Ich liebe dich. Selection, "The Gipsy Princess" (Kálmán). 2.20—Programme Announcements.

3.0—Time; News; Announcements. 3.15—Book Report.

3.40—Twelfth German Choral Festival Concert from Breslau (Recorded).
 4.20—Talk: North of the Arctic Circle with a Motor-bicycle. 4.45—Greta Georgi and Willi Neumann (Songs). Grete Lesny and Otto Schindler (Guitar Duets) and Julius Dröthan (Pfte.). 5.10—Talk: The Krappfeld and its Surroundings. 5.35—Johannes Freumbichler reads.

6.0—Band and Glee Club, from Hall, Tyrol. March, Tirol, mein Heimatland (Fintl). Kaiserjägers, Abschied (Hüttisch-Fintl). Waltz, Alpenblumen (Grissmann). A Speckbacher Schützenmarsch (Plankl.). Song: Glück auf. Tyrolean Folk Song, Der Wildschütz. Das Lied vom Land Tirol (Mitterer). Zither with Harp: Gruss aus den Tiroler Bergen (Plankl). Polka (Prohaska). Potpourri (Stribiny). March (Fintl).

7.0—Time; Sports. 7.10—Reading. 7.30—Records. 8.0—Station Orchestra. Conductor: Schönherr. Maria Gerhart (Soprano), Ernst (Tenor), the Mandl Quartet, Huber (Pfte.). 8.30—"Classical and Modern"—Radio Potpourri (Hruby). Station Orchestra and Station Choir. Conductor: Schönherr. Maria Gerhart (Soprano), Ernst (Tenor), the Mandl Quartet and a Mixed Chorus.

10.10—News. 10.15—Report: The International Air Rally at Zürich (Recorded). 10.35—Announcements, Sports.

10.55-11.30—Keyda Dance Band.

WARSAW (Poland)

224 kc/s (1,339 m.); 120 kW. Relayed by Cracow, 1,022 kc/s (293.5 m.); Katowice, 758 kc/s (395.8 m.); Łódź, 1,339 kc/s (224 m.); Lwów, 795 kc/s (377.4 m.); Poznan, 868 kc/s (345.6 m.); Torun, 986 kc/s (304.3 m.); and Wilno, 536 kc/s (559.7 m.).
 8.0 a.m.—Time; Hymn. 8.3—News. 8.15—For Farmers. 9.0 (from Łódź)—Service. 10.45 (from Lwów)—Salon Orchestra; at 11.25—Sketch. 11.57—Fanfare.

12.3 p.m. (from Poznan)—Symphony Orchestra. Overture, "The Flying Dutchman" (Wagner). Selection, "The Tempest" (Tchaikovsky). Orage (Fibich). The Return of Peer Gynt (Grieg). The Flight of the Bumble Bee (Rimsky-Korsakov). Piece (Wasilenko). The Ride of the Valkyries, "The Valkyrie" (Wagner).

1.0—Review. 1.10—Poznan-Warsaw Exchange Programme. Folk Music. Wind Band from Poznan. Czekotowski (Songs) from Warsaw. 2.40—For Children. 3.0—For Farmers: Markets; Music; Records; Talk.

4.0 (from Katowice)—Salon Trio. Piece (Leuschner). Souvenir (Karastoyanov). Waltz, Wienerblut (Strauss). The Tear (Mussorgsky). Ballet, "Lakmé" (Delibes).

4.30—Opera Records.
 5.0—"The Divorce"—Play (Ramsay) Trans.: Zagorska. 5.25—Swimming Lesson.

6.0—Station Orchestra from the Swiss Garden. Conductor: Górzynski; at 6.55—Reading. 8.0—Ballet Records. 8.35—Programme Notes. 8.40—Politics. 8.50—News. 9.0 (from Lwów)—Variety. 9.40—Sports.

10.0—Carnaval (Schumann) by Koczalski (Pfte.). 10.30—Viola Records. 10.50-11.0—News.

August 2 MONDAY

2 p.m.
BRESLAU, News, 2.10—Variety, with Station Dance Band, etc., from the Radio Exhibition, 2.50 — "Das geheimnisvolle Ei" — Children's Opera (Szczuka), from the Radio Exhibition.
KALUNDBORG, 2.50—Radio Orchestra.
RADIO-NORMANDIE, Records, 2.30—Report: The Paris Exhibition, 2.45—Light Music.

3 p.m.
BRESLAU, Children's Opera (contd.), 3.30 — "The Merry Village" — Revue (Schenke-Szczuka) from the Radio Exhibition.
KALUNDBORG, Radio Orchestra, 3.35—Talk, 3.45—Robert Franz Songs.
RADIO-NORMANDIE, Records, Light Music.

4 p.m.
BERLIN, 4.30 — "Ulrich von Hutten" — Play, **BRESLAU**, Revue (contd.).
DEUTSCHLANDSENDER, **COLOGNE**, **LEIPZIG**, Light Orchestral.

FRANKFURT, Light Music.
HAMBURG, Light Orchestral, Talks, **HILVERSUM** (301.5 m.), Harmony Seven.
KALUNDBORG, Radio Orchestra, 4.50—Wireless Notes; Poem, **KÖNIGSBERG**, Light Orchestral.
MUNICH, Quintet, Songs, 4.40—Books.
PARIS (PTT), Organ, 4.30—Reading, 4.45—Records.
RADIO - NORMANDIE, Light Music, Records.
STRASBOURG, "Das Lied von der Erde" (Mahler), 4.50—Exchange, **STUTTGART**, Orchestra, Dance Band.
WARSAW, 4.15—Violin, 4.50—Reading.

5 p.m.
ATHLONE, 5.30 — Gilligan's Cellidhe Band.
BERLIN, Baritone Songs (Wendland), Pfte. Fantasia (Beethoven), 5.30—Talk, 5.45—The Radio Exhibition, **BEROMÜNSTER**, Light Orchestral, 5.45—Records, **BRESLAU**, Revue (contd.), 5.30—"The Silesian Year"—Cantata (Szczuka), from the Radio Exhibition, **BRUSSELS (1)**, Concert from Blankenberghe Casino, **BRUSSELS (2)**, Records, 5.45—For Children, **BUDAPEST (1)**, Flute Concerto in D (Mozart), 5.30—Rapaich Raymond.
COLOGNE, Talk, 5.15—Baritone, Pfte. (Schumann, Beethoven).
DEUTSCHLANDSENDER, and **LEIPZIG**, Talk; Light Orchestral.
FRANKFURT, Light Music.
HAMBURG, Light Orchestral, Talks, **HILVERSUM** (1,875 m.), 5.10—VARA Orchestra, **HILVERSUM** (301.5 m.), Harmony Seven, 5.40—Records.
KALUNDBORG, Talk; Markets, 5.50—Record, 5.55—Folk Songs, **KÖNIGSBERG**, Sports, 5.10—Light Orchestral.
LILLE, 5.45—Songs, Harp, 'Cello.
MOSCOW, 5.30—Concert, **MUNICH**, From the 12th German Choral Festival in Breslau (Recorded).
OSLO, 5.30—Light Music.
PARIS (PTT), Talk, 5.15—Poems, 5.30—Records, 5.37—Talks, **PRAGUE**, 5.40—Organ.
RADIO - NORMANDIE, For Children; at 5.15—Music, 5.45—Accordion, **RADIO-PARIS**, Light Orchestral.
STOCKHOLM, Accordion Duo, 5.30—Reading, **STRASBOURG**, "Das Lied von der Erde" (Mahler) (contd.), 5.30—Talk (German), 5.45—See Lille, **STUTTGART**, Orchestra, Dance Band.
VIENNA, 5.30 — Violin; Contralto.
WARSAW, Estonia Choir from Tallinn, 5.50—Talk.

6 p.m.
ATHLONE, 6.5—Radio Diary, 6.35—News.
BERLIN, Dance Records, **BEROMÜNSTER**, Report, 6.35—Talk, **BRESLAU**, Cantata (contd.).

6.10 — Scenes, "Rübezahl" (Kargel), from the Radio Exhibition, 6.50—News, **BRUSSELS (1)**, Talk, 6.15—Liège Quartet (Haydn, Brahms, Jongen), **BRUSSELS (2)**, For Children, 6.30—Records, 6.45—Talk, **BUDAPEST (1)**, Songs, 6.30—Talk.
COLOGNE, Radio Calendar — August.
DEUTSCHLANDSENDER, Modern Chamber Music, 6.30—With the Microphone over Germany.
FRANKFURT, Topical.
HAMBURG, Violin, Pfte. (Rehan, Reger), 6.45—Shipping, **HILVERSUM** (1,875 m.), VARA Orchestra, 6.10—Talks, **HILVERSUM** (301.5 m.), Records; Letters; News.
KALUNDBORG, Folk Songs, 6.20—Talk, **KÖNIGSBERG**, Songs, Music, and Tales, 6.45—Notes.
LEIPZIG, Talk: The Flanders Campaign, 6.20—Music, 6.25—Talks, **LILLE**, Songs, Harp, 'Cello, 6.30—Records, 6.45—Talk (English).
MOSCOW, Talk, 6.30—Records.
MUNICH, Records, 6.35—Markets; Anniversaries.

Talk, 7.45—"The Bayadère" — (Kálmán).
LILLE, Topical, 7.30—Talk.
MOSCOW, Records, 7.30—Literature, **MUNICH**, Variety.
OSLO, Poems, 7.15—News, 7.30—Cabaret (Records).
PARIS (PTT), News; Topical, **POSTE PARISIEN**, News, 7.25—Records, 7.55—Sketch, **PRAGUE**, News, 7.10—Songs, 7.50—Talk.
RADIO-NORMANDIE, Concert, 7.40—News, **RADIO-PARIS**, 7.5—See Vienna, **ROME**, Sports; Talk (French); Music, 7.53—News (Foreign Languages).
SOTTENS, Talk, 7.15—Interlude, 7.25—Micro-Magazine, 7.50—News, **STOCKHOLM**, Talk, 7.15—News, 7.30—Talk, **STRASBOURG**, Topical, 7.30—Talk, 7.45—News.
TOULOUSE, Film Music, 7.15—News, 7.40—Light Music.
TURIN, Light Music, 7.40—News (Foreign Languages).
VIENNA, 7.5—"Don Giovanni" (Mozart) from the Festspielhaus, Salzburg, Conductor: Bruno Walter.
WARSAW, For Soldiers, 7.40—Talks.

STOCKHOLM, Interlude, 8.10—See Deutschlandsender, **STRASBOURG**, News (German); Talk, 8.30—Variety: "Le violon d'or" — Play (Bourbon); Music by de Villers; "La fille bien gardée" — Vaudeville (Labiche).
TOULOUSE, Variety, 8.45—Orchestra.
VIENNA, "Don Giovanni" (contd.), 8.40—Talk.
WARSAW, Light Orchestral, Songs, 8.45—News.

9 p.m.
ATHLONE, See Vienna.
BERLIN, Reading, 9.10 — See Königsberg, **BEROMÜNSTER**, Play (contd.), 9.10—Dance Music, in the interval, Zürich Picture Book, 9.55—News, **BRESLAU**, News, 9.15—See Deutschlandsender, **BRUSSELS (1)**, See Vienna, **BRUSSELS (2)**,

10 p.m.
ATHLONE, See Vienna, 10.30—News.
BEROMÜNSTER and **MONTE CENERI**, Review for Swiss Nationals, Abroad, 10.15 — See Sottens, **BRESLAU**, News, 10.10 — Report, 10.30 — See Cologne, **BRUSSELS (1)**, See Vienna, 10.30—News, 10.40 — Orchestra from Ostend, **BRUSSELS (2)**, News, 10.10—Records, **BUDAPEST (1)**, Cigány Band, 10.40—From the Scout Jamboree.

COLOGNE, **HAMBURG**, **MUNICH** and **STUTTGART**, News, 10.30—Light and Dance Music.
DEUTSCHLANDSENDER and **BERLIN**, News, 10.30—Dance and Light Music.
FRANKFURT, News, 10.15—Talk, 10.30—Report, 10.40 — Music from Cologne.
HILVERSUM (1,875 m.), Records, 10.10—Light Music, 10.55 —Records, **HILVERSUM** (301.5 m.), Haarlem Trio, 10.30 —Records.

KALUNDBORG, "The Bayadère" (contd.), 10.15—Quartet (Suk), 10.50—Dance Band, **KÖNIGSBERG**, News, 10.20—Topical, 10.35—Orchestra.
LEIPZIG, Octet (Schubert) (contd.), 10.15—Talk, 10.30 — News, 10.50 — Music from Cologne, **LILLE**, Band, 10.30—News.
MOSCOW, 10.5—English Programme: U.S.S.R. Review; Sports.

OSLO, Talk, 10.15—Light Music, **PARIS (PTT)** and **EIFFEL TOWER**, Dramatic Programme (contd.), 10.30 — News, 10.45—Records, **POSTE PARISIEN**, 10.5—News, 10.10—Dance Records, 10.30—Records, **PRAGUE**, News, 10.20—Records, 10.40 — News (German).
RADIO-NORMANDIE, Concert, **RADIO-PARIS**, See Vienna, 10.30—To be announced, **ROME**, Play (contd.), 10.10 — Popular Melodies.

SOTTENS, See Beromünster, 10.15 — For Swiss Nationals Abroad: French Switzerland in the Music of Jaques Dalcroze, Radio Suisse romande Orchestra, Songs, **STOCKHOLM**, French Music, **STRASBOURG**, Variety (contd.), 10.30—News.
TOULOUSE, News, 10.15—Light Music and Jazz, **TURIN**, Concert (contd.), 10.10—Maudr Bagpipe Quartet, 10.40—Dance Music.
VIENNA, "Don Giovanni" (contd.), 10.30—News; Books, **WARSAW**, Songs, 10.25—Chopin Records.

11 p.m.
BRESLAU, 11.0—11.30 — See Cologne, **BUDAPEST (1)**, 11.5—News (German), 11.10—Records; Scheherazade (Rimsky-Korsakov).
COLOGNE and **MOST GERMAN STATIONS**, Light and Dance Music.
DEUTSCHLANDSENDER, and **BERLIN**, Dance and Light Music.
HILVERSUM (1,875 m.), Records, **HILVERSUM** (301.5 m.), Records; Reading.
KALUNDBORG, Dance Band, **KÖNIGSBERG**, Orchestra.
MOSCOW, Hungarian Programme.
RADIO - NORMANDIE, Café Concert, **ROME**, News, 11.15 —News (English), 11.30—Dance Music.
SOTTENS and **SWISS STATIONS**, Jaques-Dalcroze Music (contd.), **STOCKHOLM**, Chess, **STRASBOURG**, News (German).
TOULOUSE, Light Music, 11.50 —News, **TURIN**, News, 11.15 —Dance Music.
VIENNA, Dance Band.

12 midnight
BUDAPEST (1), 12.5—News, **KALUNDBORG**, Dance Band, **MOSCOW**, Spanish Programme, **RADIO - NORMANDIE**, Midnight Melodies, 12.30—Dance Music.
STUTTGART and **FRANKFURT**, Octet (Schubert), with the Salzburg Mozart Quartet.

PRINCIPAL EVENTS

LIGHT CONCERTS
2.50 Kalundborg: Radio Orchestra.
4.0 Deutschlandsender: Dances, etc.
5.0 Brussels 1: Casino concert.
5.0 Radio-Paris: André Orchestra.
7.0 Breslau, etc.: Variety concert.
7.0 Budapest 1: Park concert.
8.0 Brussels 2: Schynders Orchestra.
8.0 Warsaw: Light orchestral, songs.
8.5 Prague: Popular programme.
8.10 Breslau, etc.: Variety concert.
9.0 Turin: Czech music.
9.10 Königsberg, Berlin: Popular orchestral.
9.35 Budapest 1: Cigány band.
10.0 Swiss stations: For Swiss abroad.
10.15 Oslo: Light orchestral.
10.30 National: Conductor, Hans Winter.

OPERA
7.5 Vienna, Radio-Paris, Brussels 1, and Regional (Act 2): "Don Giovanni" (from Salzburg).
OPERETTA
7.45 Kalundborg: "The Bayadère."
CHAMBER MUSIC
6.15 Brussels 1: Haydn, Brahms, Jongen.
9.15 Leipzig: Schubert Octet.
10.15 Kalundborg: Quartet (Suk).
12.0 Stuttgart, Frankfurt: Octet (Schubert).

OSLO, Light Music, 6.30—Poems.
PARIS (PTT), Songs, 6.15—Messenger Records, 6.30—Pfte. Duets, 6.45—Records, **POSTE PARISIEN**, 6.5—Horowitz Records, **PRAGUE**, For Farmers, 6.5—Talks, Sketch and News (German); Record.
RADIO - NORMANDIE, For Children, 6.45—Talk; News.
RADIO-PARIS, Talks, 6.55—Paul Reboux.
STOCKHOLM, Records, 6.55—Talk, **STRASBOURG**, See Lille, 6.30—Talk, 6.45—Records, **STUTTGART**, Topical.
VIENNA, 6.5—Talks, 6.40 — Topical, 6.50—News.
WARSAW, Notes, 6.15—Records, 6.50—Topical.

7 p.m.
ATHLONE, Down the Years—Orchestra, Peter Howard (Baritone).
BERLIN, Echoes, 7.20 — Dances (Knab, Waldmann, Bocherini).
BEROMÜNSTER, Songs, 7.45 — News, **BRESLAU** and **MOST GERMAN STATIONS**, Variety from the Berlin Radio Exhibition, **BRUSSELS (1)**, Quartet (contd.), 7.15—Talks, 7.30—News, **BRUSSELS (2)**, Records, 7.30—Sports, **BUDAPEST (1)**, Orchestra.
COLOGNE, Light Music, 7.45—Films.
DEUTSCHLANDSENDER, Songs, Spinét, 7.45—Topical.
HILVERSUM (1,875 m.), 7.5—Record, 7.10—Organ, 7.40—News; Report, **HILVERSUM** (301.5 m.), Report, 7.40—News, 7.55—Band.
KALUNDBORG, News, 7.30—

RECITALS
4.0 Paris (PTT): Organ.
7.30 National: Daisy Kennedy (violin).
8.10 Hilversum (1,875 m.): Violin.
9.15 Deutschlandsender: Gieseking.
10.0 Stockholm: French music.
10.0 Warsaw: Song.

PLAYS
8.15 Budapest 1: "Der Feldmarschall."
8.30 Paris (PTT), Eiffel Tower: Corneille, Gogol, Synge.

TALK
6.45 Lille (PTT), Rennes: Talk in English.
LAST NEWS BULLETINS (subject to slight alterations)

7.45 Beromünster; 8.45, Warsaw; 9.40, Oslo; 9.45, Stockholm; 10.0, Brussels, German stations, Prague; 10.10, Vienna; 10.30, Athlone, Paris (PTT); 10.45, Bucharest, Radio-Paris; 11.0, Italian stations; 12.5, Budapest 1.

DANCE MUSIC
9.0 Cologne; 9.10, Beromünster; 10.30, Deutschlandsender; 10.50, Kalundborg; 10.55, Regional; 11.0, Vienna; 11.15, Turin; 11.30, National, Rome; 12.30, Radio-Normandie.
MISCELLANEOUS
4.0 National: International Athletics.

8 p.m.
ATHLONE, Variety, 8.40—Talk.
BERLIN, News, 8.10—Breslau Variety from the Radio Exhibition, **BEROMÜNSTER**, Talk, 8.15—Brahms Records, 8.25—"Die Welt ohne Papier"—Play, **BRESLAU** and **MOST GERMAN STATIONS**, Variety (contd.), **BRUSSELS (1)**, Mozart Records, **BRUSSELS (2)**, Schynders Orchestra, 8.45—Talk, **BUDAPEST (1)**, Orchestra, 8.15—"The Field Marshal"—Play (Molnar).
COLOGNE, News, 8.10—Weekly Review.
DEUTSCHLANDSENDER, News, 8.10—Bund Band.
EIFFEL TOWER, 8.30—See Paris (PTT).
HILVERSUM (1,875 m.), Report, 8.10—Violin, Recitation, 8.40 —Dance Band, **HILVERSUM** (301.5 m.), Band, 8.55—Talk.
KALUNDBORG, "The Bayadère" (contd.).
LILLE, 8.30—Band.
MOSCOW, Music Talk.
MUNICH, Variety.
OSLO, Cabaret (Records), 8.20—Talk, 8.40—Light Music.
PARIS (PTT), Variety, 8.30 —Dramatic Programme: Scenes, "Le Menteur" (Cornelle); Act III, "The Government Inspector" (Gogol); "The Play-boy of the Western World" (Synge). **POSTE PARISIEN**, Topical, 8.5—La bonne histoire, 8.20—L'album de souvenirs, **PRAGUE**, 8.5—FOC Orchestra.
RADIO-NORMANDIE, Variety, 8.40—Records, **RADIO-PARIS**, See Vienna, 8.40—Songs, Pfte. **ROME** and **TURIN**, News (Foreign Languages), 8.10—News, 8.30—Government Notes.
SOTTENS, Cycle Tour of Switzerland, 8.35—Light Orchestral.

Schynders Orchestra, **BUDAPEST (1)**, Play (contd.), 9.15—News, 9.35—Cigány Band.
COLOGNE, Dance Music.
DEUTSCHLANDSENDER, Bund Band, 9.15—Beethoven Pfte. Sonatas by Gieseking.
FRANKFURT, News, 9.15—Liszt Music (Recorded).
HAMBURG, News, 9.15—See Deutschlandsender, **HILVERSUM** (1,875 m.), Dance Band, 9.40—News, 9.45—Tenor, **HILVERSUM** (301.5 m.), Talk; Records, 9.40—News, 9.55—Haarlem Trio.
KALUNDBORG, "The Bayadère" (contd.); at 9.30—News, **KÖNIGSBERG**, News, 9.10 —Orchestra.
LEIPZIG, News, 9.15—Octet (Schubert), **LILLE**, Band.
MOSCOW, German Programme.
MUNICH, News, 9.10 — Arrau (Pfte.), 9.40—Reading.
OSLO, Light Music, 9.10—Foreign Affairs, 9.40—News.
PARIS (PTT) and **EIFFEL TOWER**, Dramatic Programme (contd.), **POSTE PARISIEN**, News, 9.10—Orchestra, 9.40—Sketch, **PRAGUE**, Story, 9.20 —Quintet in D (Fibich), 9.55—Record.
RADIO-NORMANDIE, Concert, **RADIO-PARIS**, See Vienna.
ROME, "L'Antenato"—Play (Veniziani).
SOTTENS, Talk, 9.20—Light Orchestral, 9.50—Jazz Pfte. Records.
STOCKHOLM, Roving Microphone, 9.15—Lyra Choir, 9.45—News, **STRASBOURG**, Variety (contd.), **STUTTGART**, News; Talk, 9.15—Opera Records.
TOULOUSE, Light Music.
TURIN, Orchestral Concert.
VIENNA, Act II, "Don Giovanni".
WARSAW, Light Orchestral, Songs, 9.45—Reading.

TUESDAY August 3

4 p.m.

LEIPZIG, BRESLAU, COLOGNE, DEUTSCHLANDSENDER, STUTTGART, Variety from the Radio Exhibition.
RADIO-PARIS, Concert from the American Conservatoire, Fontainebleau. Nadia Boulanger (Pfte.), Mekanowitzky (Violin), Conrad (Songs).
WARSAW, 4.20—Pfte. Quartet in E flat (Beethoven). 4.45—Reading.

5 p.m.

BRESLAU, 5.10 — Leipzig Programme from the Radio Exhibition. **BRUSSELS (1)**, Violin Sonata in F (Beethoven). 5.30—For Children. **BRUSSELS (2)**, Schnyder Orchestra, Records. 5.45 — For Children. **BUDAPEST (1)**, 5.25—Cigany Band.
COLOGNE, Talks. 5.45—Records.
DEUTSCHLANDSENDER, Orchestra. 5.50—The Supernatural in Music—Choir and Orchestra.

HAMBURG, Light Music. 5.15—Adventures at the Wheel—Variety. **HILVERSUM (1,875 m.)**, 5.10—Light Music. **HILVERSUM (301.5 m.)**, KRO Orchestra. 5.25—Greetings; Records. 5.55—KRO Melodists.
KALUNDBORG, Talk; Markets. 5.50—Popular Songs. **KÖNIGSBERG** and **FRANKFURT**, Orchestra.
LEIPZIG, Village Evening from the Radio Exhibition.
MUNICH, Light Orchestral, Songs, Pfte.

PARIS (PTT), André Orchestra.
RADIO-PARIS, Concert (contd.). 5.30—Poems; Reading.
SOTTENS and **BEROMÜNSTER**, Records. **STOCKHOLM**, 5.30—Talk in English by Prof. Gillies Whittaker: Why are the English considered un-musical? **STUTTGART**, Records.
VIENNA, 5.20—Pfte. 5.35—Arpeggione Sonata in A minor (Schubert).
WARSAW, Orchestra, Double Vocal Quartet. 5.50—Talk.

6 p.m.

ATHLONE, 6.5—Violin, Pfte. 6.35—News.
BERLIN, Raatzke Band. **BEROMÜNSTER**, Records. 6.20—Swiss Songs. 6.35—Cycle Tour of Switzerland. 6.55—Records.
BRESLAU, Talks. 6.50—Topical. **BRUSSELS (1)**, 6.5 Talk. 6.15—Records. **BRUSSELS (2)**, For Children. 6.30—Records. 6.45—Talk. **BUDAPEST (1)**, Cigany Band. 6.30—Radio Lottery Draw.
COLOGNE, Records. 6.30—Where are you Comrade? 6.50—Orchestra.

DEUTSCHLANDSENDER, Choir and Orchestra (contd.). 6.20—Review. 6.45—See Munich.
FRANKFURT, Topical.
HAMBURG, Dialect Play with Music. 6.45—Notes. **HILVERSUM (1,875 m.)**, Light Music. 6.40—From the Scout Jamboree. **HILVERSUM (301.5 m.)**, KRO Melodists. 6.40—News; Talk.
KALUNDBORG, Popular Songs. 6.20—Talks. **KÖNIGSBERG**, Topical. 6.15—Songs, Pfte. 6.50—News.

LEIPZIG, Village Evening (contd.).
MOSCOW, 6.30—Opera. **MUNICH**, Light Orchestral, Songs, Pfte. 6.30—Markets. 6.45—Report.
PARIS (PTT), Pfte.; Songs. 6.30—Records. 6.45—Songs.
PRAGUE, 6.5—Music from the 14th-18th Century. Songs, Harpsichord, Records. 6.45—News (German).
RADIO-PARIS, Talks. 6.30—Dramatic.
SOTTENS, Dance Records. 6.35—Cycle Tour of Switzerland. **STOCKHOLM**, Records. **STUTTGART**, Topical.
VIENNA, Talks.
WARSAW, Notes. 6.15—Records. 6.50—Talk.

7 p.m.

ATHLONE, Orchestra, Tenor. 7.45—Revue.
BERLIN, Echoes. 7.20—Records of the Amsterdam Concertgebouw Orchestra. **BEROMÜN-**

STER, Records. 7.10—Lieder eines fahrenden Gesellen (Mahler). 7.25—League of Nations Report. 7.40—News. 7.55—Cycle Tour of Switzerland. **BRESLAU**, Opera Music, with Marianne Thomas (Soprano). **BRNO**, 7.10—Band. **BRUSSELS (1)**, Reviews. 7.15—Songe d'un jour d'été (François Mauriac) with Music by Debussy. 7.30—News. **BRUSSELS (2)**, Records. 7.30—Interview. **BUDAPEST (1)**, Lottery Draw. 7.10—Orchestra. 7.45—Snapshots.

COLOGNE, Orchestra. 7.45—Snapshots.
DEUTSCHLANDSENDER, Variety. 7.45—Sports.
HILVERSUM (1,875 m.), From the Scout Jamboree. 7.20—Harpsichord. 7.40—News. 7.55—Light Orchestral. **HILVERSUM (301.5 m.)**, Talks; News. 7.55—KRO Choir and Orchestra, Recitations, Records.

PRINCIPAL EVENTS

SYMPHONY CONCERTS
8.30 Paris (PTT), etc.: French, Russian, Haydn.
8.55 Prague: Schubert No. 3, etc.
9.0 Cologne: Beethoven, Reger.

LIGHT CONCERTS
12.0 Radio-Paris: Derveaux Orchestra.
2.10 Hilversum (1,875 m.): Orch., songs.
2.50 Kalundborg: Radio Orchestra?
3.0 Leipzig, etc.: Variety concert.
5.0 Paris (PTT): André Orchestra.
7.0 Athlone: Radio Orch., tenor.
7.10 Vienna: "Voices of Vienna."
7.30 Oslo: Grieg programme.
7.45 Stockholm: Symphony Orchestra.
7.55 Hilversum (301.5 m.): Choir.
8.10 Berlin: Military Band, variety (9.0).
8.15 Radio-Paris: Ostend Kursaal.
8.35 Sottens: Italian Music.
9.0 Brussels 1: Ostend Kursaal.
9.10 Hamburg: Military Band.
9.10 Hilversum (1,875 m.): Lajos Orch.
9.15 Leipzig: "Round the World."
9.50 Sottens: Smetana programme.
10.0 Warsaw: Wilno Orchestra.
10.20 Kalundborg: Light classics.
11.10 Budapest 1: Cigany band.

KALUNDBORG, News. 7.30—Talk. **KÖNIGSBERG**, Police Band.
LEIPZIG, FRANKFURT, HAMBURG, STUTTGART, Leipzig Kaleidoscope from the Radio Exhibition.

MONTE CENERI, 7.45—News. 7.55—Dance Records. **MOSCOW**, Opera (contd.). **MUNICH**, Viennese Records. 7.30—"Der Bienenstaat"—Play (Khan); Music by Schweiger.
OSLO, News. 7.30—Grieg Orchestral Music.

PARIS (PTT), News; Topical. **POSTE PARISIEN**, News. 7.25—Fauré Records. 7.55—Voice of Experience. **PRAGUE**, News; Records; Talk. 7.35—Records.

RADIO-NORMANDIE, Concert. 7.40—News. **RADIO-PARIS**, Songs; Pfte. 7.30—Duets, "Kadubec" (Yvain). 7.45—Monologues. **ROME**, Talk (English); Music; Notes. 7.53—News (Foreign Languages).
SOTTENS, 7.5—Talks. 7.40—Music. 7.50—News. **STOCKHOLM**, Report. 7.15—News. 7.30—Reading. 7.45—Light Orchestral from the Town Hall.

TOULOUSE, Chansonnettes. 7.15—News. 7.40—Light Music. **TURIN**, Light Music. 7.40—News (Foreign Languages).
VIENNA, News. 7.10—"Vienna Voices"—Humorous Musical Trip through the City.
WARSAW, Sketch. 7.15—Roesner (Violin). 7.50—Notes.

8 p.m.

ATHLONE, Revue. 8.15—Last Session of the Irish Parliament (August 2, 1800). 8.45—Talk.
BERLIN, News. 8.10—Military Band. **BEROMÜNSTER**, Cycle

Tour of Switzerland. 8.15—Scandinavian Music. **BORDEAUX-LAFAYETTE**, 8.30—From the Opéra-Comique: "Werther" (Massenet). Invitation to the Dance (Weber). **BRESLAU**, Opera Music (contd.). 8.15—"Germans in the Banat"—Sequence. **BRNO**, Band. 8.10—See Prague. **BRUSSELS (1)**, Arseniev (Pfte.) (Rachmaninov, Liszt). 8.30—Two Scenes from "Victoria Regina" Laurence Housman), with Anne-Marie Ferrières and Génicot. **BRUSSELS (2)**, Loiseau Orchestra, Songs. 8.45—Talk. **BUDAPEST (1)**, Orchestra. 8.20—Rozsa Ignácz. 8.50—Operetta Records.

COLOGNE, News. 8.10—Humour and Music.
DEUTSCHLANDSENDER, News. 8.10—Leipzig Kaleidoscope from the Radio Exhibition.
EIFFEL TOWER, 8.30—Variety Concert. Part I. An Evening with George Sand, Chopin, Liszt. Part II. "La quinzaine sonore" (Constantin-Brive).
HILVERSUM (1,875 m.), Light Orchestral. 8.40—Play. **HIL-**

9 p.m.

ATHLONE, Trio. 9.30—Variety.
BERLIN, Musical Pictures of the Underground. **BEROMÜNSTER**, International Shooting Championships, Helsinki. 9.30—"The Cousin from Nowhere" (Künneke). **BORDEAUX-LAFAYETTE**, From the Opéra-Comique (contd.). **BRESLAU**, Sequence (contd.). 9.15—Opera Music (contd.). **BRUSSELS (1)**, Concert from the Ostend Kursaal. **BRUSSELS (2)**, Loiseau Orchestra. **BUDAPEST (1)** Operetta Records.

COLOGNE, Symphony Concert. Lore Fischer (Contralto). (Beethoven, Reger).
DEUTSCHLANDSENDER, Wind Band.

EIFFEL TOWER, Variety Concert (contd.).
FRANKFURT, News. 9.15—"Little Things"—Play with Music (Neubert-Kuntzen).
HAMBURG, News. 9.10—Military Band. **HILVERSUM (1,875 m.)**, Play (contd.). 9.10—Kovacs Lajos Orchestra, Violin. **HILVERSUM (301.5 m.)**, Concert

OPERAS

9.0 Turin: "Madame Butterfly."
9.15 Stuttgart: "Götterdämmerung" (exc.).

OPERETTAS
9.0 Rome: "La Signorina cosi cosi."
9.30 Beromünster: "The Cousin from Nowhere."
10.10 Brussels 2: "A Waltz Dream" (rec.).

RECITALS
7.20 Hilversum (1,875 m.): Harpsichord.
7.55 Bucharest: Romanian songs.
8.0 Brussels 1: Liszt, Rachmaninov.
10.20 Budapest 1: Estonian songs.

PLAYS
7.0 National: "Bird in Hand."
8.30 Brussels 1: "Victoria Regina," scenes.
8.55 Vienna: "Drescherballade."
9.15 Frankfurt: "Little Things."

TALK
10.50 Budapest 1: In English.
LAST NEWS BULLETINS, see Monday
DANCE MUSIC
10.20 Brno, Prague; 10.25, Regional; 10.50, Hilversum (1,875 m.); 11.0, National; 11.10, Kalundborg; 11.30, Rome; 12.30, Radio-Normandie.

MISCELLANEOUS
12.40, 6.40, Hilversum (1,875 m.), Vienna (8.10) From Scouts' Jamboree.
9.0 Beromünster: International Shooting.

(contd.). 9.40—From the Scout Jamboree.

KALUNDBORG, Play (contd.). 9.50—Talk. **KÖNIGSBERG**, News. 9.10—"Der Stinthenest von Nikolaiken"—Play (Koll) with Songs and Music (von Krogh, Hrubetz).
LEIPZIG, News. 9.15—Round the World in Eighty Minutes—Words and Music. (Records.)
MARSEILLES and **PARIS (PTT)**, Orchestra, Songs.
MONTE CENERI, Play (contd.).
MOSCOW, German Programme.
MUNICH, News. 9.10—Chamber Music.

OSLO, Grieg (contd.). 8.10—Talk. 8.35—Waltzes.
PARIS (PTT), Variety. 8.30—See Marseilles. **POSTE PARISIEN**, Topical. 8.5—La bonne histoire. 8.20—Songs. 8.35—Chopin Records. **PRAGUE**, Records. 8.10—Play. 8.55—Symphony Concert (Mendelssohn, Fibich, Schubert, etc.).
RADIO-NORMANDIE, Records. 8.20—Variety. 9.40—Music.
RADIO-PARIS, Politics. 8.10—Foreign Affairs. 8.15—Concert from Ostend Kursaal. **ROME** and **TURIN**, News (Foreign Languages). 8.10—News. 8.30—Talk.
SOTTENS, Cycle Tour of Switzerland. 8.35—Italian Music (Sinigaglia, Wolf - Ferrari).
STOCKHOLM, Orchestra (contd.). 8.45—Talk. **STRASBOURG**, News (German). 8.15—Records. 8.30—Concert. Part I. Old Music. Part II. "Le jeu de Robin et Marion" (de la Halle).

TOULOUSE, Light Music.
VIENNA, Musical Trip (contd.) 8.10—From the Scout Jamboree. 8.30—Stories. 8.55—"Drescherballade"—Play (Eggermann).
WARSAW, Vaudeville. 8.45—News.

10 p.m.

ATHLONE, Variety. 10.30—News.
BERLIN, News; Sports. 10.35—Music from Hamburg. **BERO-**

MUNSTER, "The Cousin from Nowhere" (contd.). 10.25—News. **BORDEAUX-LAFAYETTE**, From the Opéra-Comique (contd.). **BRESLAU**, News. 10.10—Talk. 10.30—See Hamburg. **BRNO**, See Prague. 10.20—Swing Records. **BRUSSELS (1)**, Concert (contd.). 10.30—News. 10.40—Records. **BRUSSELS (2)**, From the Scout Jamboree. 10.10—Records: "A Waltz Dream" (Strauss). **BUDAPEST (1)**, News. 10.20—Estonian Songs. 10.50—Talk (English).

COLOGNE, News. 10.30—Talk (English). 10.50—Music from Hamburg.
DEUTSCHLANDSENDER, News. 10.30—Pfte. Variations (Weissmann).

EIFFEL TOWER, Variety Concert (contd.).
FRANKFURT, News. 10.20—Comrade, where are you? 10.30—See Hamburg.
HAMBURG, News. 10.15—Interlude. 10.30—Light and Dance Music. **HILVERSUM (1,875 m.)**, Orchestra (contd.). 10.10—Commentary on the Doesburg Quadcentenary Celebrations. 10.25—Records. 10.40—News. 10.50—Dance Music. **HILVERSUM (301.5 m.)**, From the Scout Jamboree. 10.10—News. 10.20—Report. 10.50—Records.

KALUNDBORG, News. 10.20—Orchestra (Naumann, Mozart, Dupuy). **KÖNIGSBERG**, 10.5—News. 10.20—Review. 10.40—Report.
LEIPZIG, Words and Music (contd.). 10.30—News. 10.50—Music from Hamburg.
MARSEILLES, Orchestra, Songs. 10.30—News. 10.45—Dance Music. **MOSCOW**, 10.5—Dutch Programme. **MUNICH**, News. 10.20—Serenade. Horn Quartet of the Bayreuth Festival Orchestra, etc.

OSLO, Talk. 10.15—Songs.
PARIS (PTT), See Marseilles. 10.30—News. 10.45—Keteibey Records. **POSTE PARISIEN**, 10.5—News. 10.10—Report from the Press Section of the Paris Exhibition. 10.30—From the Scheherazade. **PRAGUE**, News. 10.20—See Brno.

RADIO-NORMANDIE, "Madame Pompadour" (contd.). **RADIO-PARIS**, Concert (contd.). 10.30—News. **ROME**, "La signorina cosi cosi" (contd.).
SOTTENS, Smetana Music (contd.). 10.20—Report from Helsinki: The International Shooting Championships.
STOCKHOLM, Gershwin Records. **STRASBOURG**, Concert (contd.). 10.30—News. **STUTTGART**, News; Review. 10.40—Music from Hamburg.
TOULOUSE, News. 10.15—Light Music. **TURIN**, "Madame Butterfly" (contd.).
VIENNA, Reading. 10.10—News. 10.20—Light Orchestral.
WARSAW, Orchestra. 10.50—News.

11 p.m.

BUDAPEST (1), English Talk (contd.). 11.10—Cigany Band.
HAMBURG and **MOST GERMAN STATIONS**, Light and Dance Music. **HILVERSUM (1,875 m.)**, Dance Music. **HILVERSUM (301.5 m.)**, Records.
KALUNDBORG, Orchestra (contd.). 11.10—Dance Band. **KÖNIGSBERG** and **DEUTSCHLANDSENDER**, Light and Dance Music.
MOSCOW, Swedish Programme. **MUNICH**, Georges Boulanger and his Soloists.
PRAGUE, News (English).
RADIO-NORMANDIE, "Madame Pompadour" (contd.).
ROME, News. 11.15—News (English). 11.30—Dance Music.
STOCKHOLM, 11.5—Chess. **STRASBOURG**, News (German).
TOULOUSE, Light Music. **TURIN**, "Madame Butterfly" (contd.). 11.30—News; Dance Music.
VIENNA, Light Orchestral.

12 midnight

BUDAPEST (1), 12.5 News. **FRANKFURT** and **STUTTGART**, Serenade (Records) (Handel, Schubert, Schumann). **KALUNDBORG**, Dance Band. **MOSCOW**, Spanish Programme. **RADIO-NORMANDIE**, Midnight Melodies. 12.30—Dance Music.

NATIONAL

For Time Signals, see Monday.

- 10.15 a.m. (D)—Service.
- 10.30 (D)—Weather Forecast.
- 10.45 (D)—Dance Records.
- 11.15 (D)—Cinema Organ.
- 11.45 (D)—"Cupid and the Diplomat"; comedy by Robert Crombie.
- 12.30 p.m. (D)—Orchestra.
- 1.10 (D)—County Cricket: Yorks. v. Lancs; Kent v. Hants.
- 1.30 (D)—Norbert Wethmar Trio.
- 2.0 (D)—Band.
- 2.30 (D)—Survey of recorded German Lieder by Sydney Northcote, D. Mus.
- 3.0 (D)—Jack Wilson and his Versatile Five. 3.30 (D)—Records.
- 4.15 (D)—Hungaria Gipsy Orchestra. 4.40 (D)—Paste and Paper.
- 5.0—County Cricket (See 1.10).
- 5.20—Charles Brill's Orchestra.
- 6.0—The First News.
- 6.25—Reginald Foort at the BBC Theatre Organ.
- 7.0—"Bird in Hand": West Country comedy by John Drinkwater.
- 8.15—BBC Orchestra (Section C).
- 9.0—The Third News.
- 9.20—America Today.
- 9.40—News Revue.
- 10.15—Leslie Bridgewater Quintet.
- 11.0—Maurice Winnick and his Orchestra.
- 11.30-12.0—Dance Records.

REGIONAL

For Time Signals, see Monday.

- 10.15-10.45 a.m. (ex. Western) National.
- 10.45 (ex. Western)—BBC Welsh Orchestra: Gwyneth Morgan (Contralto).
- 11.45 (ex. Western)—Theatre Orchestra.
- 12.30 p.m. (ex. Western)—Records.
- 1.0 (ex. Western)—BBC Northern Ireland Orchestra: James McCafferty (Baritone).
- 2.0 (ex. Western; Scottish 2.10)—William Hardwick (Organ).
- 2.0 (Scottish)—Herring Bulletin.
- 2.40 (ex. Western)—The Harp Trio.
- 3.0 (ex. Western)—Torquay Municipal Orchestra: Arnold Matters (Baritone).
- 4.0 (Northern)—Evensong from York Minster.
- 4.30 (ex. Western, Northern 4.45)—Records.
- 5.0—The Children's Hour.
- 6.0 (Regional, Midland, Welsh)—"Gluck": BBC Midland Orchestra, conducted by Leslie Heward.
- 6.0 (Northern)—BBC Northern Orchestra.
- 6.0 (Western)—National.
- 6.0 (N. Ireland, Scottish)—Band.
- 6.25 (Scottish)—"Roving Commission."
- 6.30 (N. Ireland)—BBC Northern Ireland Orchestra.
- 6.45 (Scottish)—Robert Wilson (Tenor).
- 7.0 (ex. Western)—Second News.
- 7.20 (ex. Western)—Regional Announcements.
- 7.30 (ex. Midland, Western, Welsh)—BBC Military Band.
- 7.30 (Midland)—Irish Guards Band.
- 7.30 (Welsh)—"Ar Foes Yr Eisteddfod."
- 7.45 (Welsh)—Children's Concert from the Eisteddfod Pavilion, Machynlleth.
- 8.0 (ex. Western, Welsh)—Marius B. Winter and his Dance Orchestra.
- 8.15 (Western)—"Musical Mixture."
- 8.25 (Welsh)—Welsh News.
- 8.40 (ex. Northern, Western)—"Eccentrics": "Squire Mytton"—E. Moore Darling.
- 8.40 (Northern)—Concert Party.
- 8.40 (Western)—Winifred Davey (Pfte.).
- 8.50 (Western)—Western Announcements and Market Prices.
- 9.0 (ex. Northern, Welsh, Scottish)—Variety.
- 9.0 (Welsh)—Music Making on Bamboo Pipes.
- 9.0 (Scottish)—Excerpt from "Half Past Eight," from the King's Theatre, Glasgow.
- 9.10 (Northern)—Henry Reed and his Viennese Orchestra.
- 9.30 (Regional, Western)—Aileen Brandens (Organ).
- 9.30 (Midland)—Male Voice Choir: Lena Wood (Viola).
- 9.30 (Welsh)—The Glamorgan Singers.
- 9.30 (N. Ireland)—String Quartet.
- 9.30 (Scottish)—Records.
- 9.40 (Northern)—"Fine Prospects."
- 9.45 (Scottish)—Scottish News.
- 10.0 (ex. Western)—News Summary.
- 10.25 (ex. Western)—Maurice Winnick and his Orchestra.
- 11.30 (ex. Western)—Late News Summary.
- 11.40-12.0 (ex. Western)—Records.

Hours of Transmission in British Summer Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 100 kW. Dublin, etc., See Sunday. 1.30-3.0 p.m.—Records. 5.30—Records: Tramping Songs. 6.5—Ertie Mann (Violin) and Nell Ronan (Pfte.). 6.35—Irish News Feature. 6.45—News. 7.0—Irish Radio Orchestra and John Feeney (Tenor). Overture, "Jean de Paris" (Boieldieu). Keltic Suite (Foulds). Hornpipe (O'Neill). 7.45—"Next Stop Dublin"—Revue from Olympia Theatre, Dublin. 8.15—Last Session of the Irish Parliament (August 2nd, 1800). 8.45—Fe mar a chím é, as I see it by Cu Uladh. 9.0—Trio Chamber Music. 9.30—Variety. 10.30-11.0—News.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 6.0 a.m. 12.0 noon—See Leipzig; at 1.0 p.m.—Midday Echoes. 2.0—News. 2.15-4.0—Records; at 3.15—Exchange; Markets. 4.30—Orchestra from Königsberg. 5.30—Monthly Almanac. 6.0—Raatzke Band. 7.0—Evening Echoes. 7.20—Records of the Amsterdam Concertgebouw Orchestra. Conductor: Mengelberg. 8.0—News; Topical. 8.10—Military Band. Marches (Le-grand, Blankenburg). Romantic Waltz (Heinicke). Oriental Suite (Popy). Excerpts, 70 Millionen und ein Schlag (Kreuder). Serenade and Spanish Dance (Schmeling). March (Husadel). 9.0—"Hurry along, please!"—Musical Pictures of the Underground Railway (Neubert). Music by Müller. Station Orchestra and Soloists. Conductor: The Composer. 10.0—News. 10.20—Sports Report by Lutz Koch from Copenhagen (Recorded). 10.35-12.0 m't.—Music from Hamburg.

BEROMÜNSTER

(Switzerland) 556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.). 6.15—Records. 6.35—Weather. 12.0 noon—Records. 12.29 p.m.—News; Exchange. 12.40-1.30—Records: Folk Music of the Mediterranean Countries. 4.30—Records of Tino Rossi, Lucienne Boyer and the von Gecky Band. 4.59—Time. 5.0-6.0—See Sottens. 6.0—Records. 6.20—Songs of West Switzerland by Victor Meyer-Poltera. 6.35—Report: Cycle Tour of Switzerland. 6.55—Records. 7.10—"Lieder eines fahrenden Gesellen" (Mahler) by Margarete Weidmann. 7.25—League of Nations Report. 7.40—News. 7.55—Report: Cycle Tour of Switzerland. 8.15—Scandinavian Music—Radio Orchestra. Conductor: Bernhard. 9.0—Report: The International Shooting Championships in Helsinki. 9.30—"The Cousin from Nowhere" (Künneke). 10.25-10.30—News.

BORDEAUX-LAFAYETTE

(France) 1,077 kc/s (278.6 m.); 100 kW. Transmits at intervals from 6.30 a.m. 7.45 p.m.—Sports Notes. 8.0—News and Announcements; Programme Notes. 8.25—Talk on the 8.30 Programme. 8.30 (also Nice-Côte d'Azur and Montpellier (PTT))—From the Opéra-Comique, Paris—"Werther" (Massenet); "Invitation to the Dance"—Ballet (Weber). 11.0—News.

BRATISLAVA

(Czechoslovakia) 1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 6.0 a.m. 6.0 p.m.—Hungarian Transmission; Talk; Pfte. Suite (Kodaly); For Workers. 6.45-7.10—See Prague. 7.10—Record. 7.15—Sketch. 7.35—See Prague. 8.10—"The Four-horned Rohovin"—Play (Klicpera). 8.55-10.20—See Prague. 10.20—News (Hungarian). 10.35-11.0—Records.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz, 1,231 kc/s (243.7 m.). Transmits at intervals from 5.0 a.m. 12.0 noon—Military Band from

Görlitz; at 1.0 p.m.—News. 2.0—News; Exchange. 2.10-3.0—Variety from Deutschlandsender. 3.30—Reading. 3.45—Talk. 4.0—Leipzig Variety from the Radio Exhibition. 5.0—Talk. 5.10—Radio Leipzig's Village Evening from the Radio Exhibition. 6.0—Books. 6.20—Political Press Review. 6.40—Announcements. 7.0—Opera Music, Orchestra. Conductor: Arndt, Marianne Thomas (Soprano). 8.15 (from Gleiwitz)—"Germans in the Banat"—Sequence. 9.15—Opera Music (contd.). 10.0—News. 10.10—Talk. 10.30-11.30—See Hamburg.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 6.0 a.m. 6.15 p.m.—Anne Skalická (Pfte.). 6.35—Talk. 6.45-7.10—See Prague. 7.10—Brno Municipal Band; at 7.35—Medical Talk. 8.10-10.20—See Prague. 10.20-11.0—Records: Swing Music.

BRUSSELS (No. 1)

(Belgium) 620 kc/s (483.9 m.); 15 kW. 6.37-9.0 a.m.—Records; Gym; News. 12.0 noon—Records. 12.30 p.m.—Shipping; Records. 12.40—Records: Suites (Pieme, Bizet). 1.0—News. 1.10—Darcy Orchestra. 2.0—Art Notes. 4.55—News. 5.0—Sonata in F (Beethoven) by Virginie Van Hecke (Violin) and Leuridan (Pfte.). 5.30—For Children. 6.5—Education Talk: The Lazy Child. 6.15—Records: Sonata for Flute and Pfte. (Golestan). 6.30—For Invalids. 7.0—Roman Catholic Review; Film Review. 7.15—"Songe d'un jour d'été" (François Mauriac), with Music by Debussy, by Hélène Lefèvre (Recorder). 7.30—News. 8.0—Arseniev (Pfte.). Part I, Rachmaninov. Three Preludes. Polka. Part II, Liszt. La Campanella. Valse oubliée. Rhapsody. 8.30—Two Scenes, "Victoria Regina" (Laurence Housman), adapted from the English by André Maurois and Virginia Vernon, with Anne-Marie Frières as Queen Victoria, and Génicot as Prince Albert. 9.0—Concert from the Kursaal, Ostend. 10.30—News. 10.40—Records. 10.55-11.0—Christus vincit (Liszt).



M. Génicot, "Prince Albert" in the scenes from Housman's "Victoria Regina" which Brussels No. 1 presents at 8.30 p.m.

BRUSSELS (No. 2)

(Belgium) 932 kc/s (321.9 m.); 15 kW. Programme in Flemish. 6.37-9.0 a.m.—Records; Gym; News. 12.0 noon—Darcy Orchestra. 1.0 p.m.—News. 1.10—Records. 2.0—Shipping. 4.55—News. 5.0—Schnyders Orchestra. Records in the intervals. 5.45—For Children. 6.30—Records. 6.45—Economics. 7.0—Records. 7.30—Interview. 8.0—Loiseau Orchestra, Germaine Marville and De Booy (Songs). Overture, "Titus" (Mozart). Adagio (Gounod). Serenade (Heykens). Songs. Your Black Eyes (Ferrari-Salabert). Film Songs. Pierrette (Chaminade). 8.45—Talk. 9.0—Loiseau Orchestra (contd.). Marche des croquequintaines (Dame). Wo die Prien rauscht (Löhrl). Overture, "Orpheus in the Underworld" (Offenbach).

Songs. A la fontaine, from "Impressions d'Italie" (Charpentier). English Songs: (a) When I lost you (Berlin), (b) For me and my gal (Meyer), (c) When the Blue-bells bloom again (Thurban), (d) Roses of Picardy (Wood). Air de ballet (Fourdrain). Viennese Potpourri (Hruby).

10.0—Report: The International Scouts Jamboree in Holland. 10.10-11.0—Records: "A Waltz Dream" (Straus).

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW. Relayed by Radio - Romania (Brasov), 160 kc/s (1,875 m.). Transmits at intervals from 5.30 a.m. 6.3 p.m.—Radio Salon Orchestra. Conductor: Nottara; at 7.5—Talk. 7.55—Grozutza (Romanian Songs). 8.20—Records. 9.30—News. 9.45—Café Concert. 10.45—News (French, Romanian).

BUDAPEST (No. 1)

(Hungary) 546 kc/s (549.5 m.); 120 kW. Transmits at intervals from 6.45 a.m. 12.5 p.m.—Police Band. 1.45—Edit Farnadi (Pfte.). Sonata in B flat minor (Chopin). Caprices in F minor and B minor (Dohnányi). Anecdotes (Jemnitz). Herbst Musik (Polgár). Feuerspiel (Polgár). 2.40—News. 3.0—Markets. 4.15—Frau Héjas. 4.45—News. 5.0—Talk by Rózsa Gyenes. 5.25—Rigo Cigány Band. 6.30—Lottery Draw. 7.10—Station Orchestra. 8.20—Rozsa Ignác. 8.50—Operetta Records. 10.0—News. 10.20—Olga Torokoff-Tiedeberg (Estonian Songs). 10.50—Talk in English. 11.10—Czorra Cigány Band. 12.5 a.m. (Wednesday)—News.

BUDAPEST (No. 2)

(Hungary) 359.5 kc/s (834.5 m.); 18 kW. 6.5 p.m.—Rigo Cigány Band. 6.50—To be announced. 7.25—For Farmers. 8.10—News. 8.45—To be announced.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 5.50 a.m. 12.0 noon—Workers' Concert. 1.0 p.m.—News. 1.15—Orchestra from Munich. 2.0—News. 2.15—Riddles. 2.45-3.0—Markets. 3.45—Industrial News. 4.0—Leipzig Variety from the Radio Exhibition. 5.0—Talks. 5.45—Records. 6.30—Where are you, Comrade? 6.50—Station Orchestra. Conductor: Eysoldt. 7.45—Snapshots. 8.0—News. 8.10—Humour and Music (arr. Schaafl). Station Orchestra. Conductor: Eysoldt. 9.0—Symphony Concert from Bad Oeynhausen. Osnabrück Municipal Orchestra. Conductor: Krauss, Lore Fischer (Contralto). Leonora Overture (Beethoven). An die Hoffnung (Reger). Fourth Symphony (Beethoven). 10.0—News. 10.30—English Talk. 10.50-12.0 m't.—Music from Hamburg.

DEUTSCHLANDSENDER

(Germany) 191 kc/s (1,571 m.); 60 kW. Transmits at intervals from 6.0 a.m. 12.0 noon—See Stuttgart; at 12.55 p.m.—Time; Greetings. 1.45—News. 2.0—Variety. 3.0—Weather; Exchange; Programme Notes. 3.15—Choirs—Records. 3.45—Talk. 4.0—Leipzig Variety from the Radio Exhibition. 5.0—Station Orchestra. Conductor: Gensler. 5.50—The Supernatural in Music—Station Chamber Choir and Orchestra. Conductor: Görner. 6.20—Political Press Review. 6.45—See Munich. 7.0—Variety with the Hippmann Band and Marina Ursica (Songs). 7.45—Sports Report by Lutz Koch from Denmark (Recorded). 8.0—Motto; News. 8.10—Leipzig Kaleidoscope from the Radio Exhibition. 9.0—Reddemann Wind Band. Junge Kameraden (Ulfig). Bayrische G'schichten (Richartz). In der Schorfheide (Reddemann). Songs from Kaiserin Katharina (Kattinig). Stelzenläufen (Murzilli). Mazurka and Minuet (Rust). Ein Morgen in Sanssouci (Kockert). Schloss Nymphenburg (Schiefer). 10.0—News.

TUESDAY (August 3)

10.30—Variations (Weissmann) by Elsa Kelchner and Annelise Walther (Pfte. Duo). 10.45—Weather. 11.0-12.0 m't.—Music from Königsberg.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Cassel, etc. See Sunday. Transmits at intervals from 6.0 a.m. 12.0 noon—See Munich; at 1.0 p.m.—News. 1.45—Music. 2.0—News. 2.10—See Leipzig. 3.0-3.15—Talk; Markets. 4.0—See Königsberg. 6.0—Topical. 7.0—See Leipzig. 9.0—News. 9.15—"Little Things"—Play (Neubert). Music by Kuntzen. 10.0—News. 10.20—Comrade, where are you? 10.30—See Hamburg. 12.0 m't.—1.0 a.m. (Wednesday)—Serenade on Records. Harp Concerto (Handel). Three Songs (Schubert). Third Symphony in E flat (Schumann).

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW. Bremen, etc. See Sunday. Transmits at intervals from 5.45 a.m. 12.0 noon—See Leipzig. 2.0 p.m.—News. 2.10—See Leipzig. 3.0—Shipping. 3.15—Economics. 3.25—Schubert Recital by Hauschild (Baritone) and Hattenbach (Pfte.). 4.0—Light Music. In the interval, Books. 5.15—"Adventures at the the Wheel"—Variety. 6.0—Dialect Play with Music. 6.45—Shipping. 7.0—See Leipzig. 9.0—News. 9.10—Military Band. March (Larcher). Overture, "Euryanthe" (Weber). Selection, "Le Postillon de Longjumeau" (Adam). Nachtschwärmer (Ziehrer). Two Marches (Knoch). 10.0—News. 10.15—To be announced. 10.30-12.0 m't.—Light Music and Dance Music.

HILVERSUM (1,875 m.)

(Holland) 160 kc/s; 10 kW until 7.40 p.m.; 150 kW from 7.40 p.m. AVRO Programme. 7.40 a.m.—Commentary on the Scout Jamboree. 8.0—Records. 9.40—Service. 9.55—Records. 10.10—Jetty Cantor's Orchestra; at 10.40—For Housewives. 12.10 p.m.—Records. 12.40—From the Scout Jamboree. 12.55—Kovacs Lajos Orchestra; Nina Dolce (Violin). 1.40—Reading. 2.10—Jonny Kronn's Orchestra; Margie Morris (Songs). 4.10—For Children. 4.40—Children's Choir. 5.10—Light Music. 6.40—From the Scout Jamboree. 7.20—Bodki (Harpischord). 7.40—News. 7.55—Light Music by the Bois-le-Duc Orchestra. Conductor: Ogier. 8.40—Play. 9.10—Kovacs Lajos Orchestra; Nina Dolce (Violin). 10.10—Commentary on the Deesburg Quadracentenary Celebrations. 10.25—Records. 10.40—News. 10.50-11.40—Dance Music by the Jumping Jacks from Boekelo Spa.

HILVERSUM (301.5 m.)

(Holland) 995 kc/s; 15 kW until 7.40 p.m.; 60 kW from 7.40 p.m. KRO Programme. 7.40-8.55 a.m.—Records. 9.40—Records. 11.10—Religious Address. 11.40—News. 11.55—KRO Melodists. Conductor: Lustenhouwer, Klein Jr. (Refrains). 12.40 p.m.—Records. 1.0—KRO Melodists (contd.). 1.40—For Women. 2.40—Records. 3.40—KRO Chamber Orchestra. Conductor: Reinards. 4.25—Records. 4.40—KRO Orchestra. Conductor: Reinards. 5.25—Greetings. 5.40—Records. 5.55—KRO Melodists. Conductor: Lustenhouwer, Klein Jr. (Refrains). 6.40—News and Talks. 7.55—KRO Choir and Orchestra. Conductor: Reinards. Henk Schaer (Recitations), and Records. 9.40—Report on the Scout Jamboree (Recorded). 10.10—News. 10.20—Report. 10.50-11.40—Records.

KALUNDBORG (Denmark)

240 kc/s (1,250 m.); 60 kW. Relys Copenhagen, 1,176 kc/s (255.1 m.). Transmits at intervals from 7.0 a.m. 12.0 noon—Andersen String Ensemble. 2.0 p.m.—Lecture from Uldum High School. Horsens: The Emancipation of the Farmer. 2.50

TUESDAY (August 3)

Radio Orchestra. Conductor: Grøndahl; at 3.40—Swedish Reading: Katrina (Sally Salminen). 4.50—Wireless Notes. 4.56—Poem. 5.0—Talk: A Dane among Cannibals. 5.25—Weather; Exchange; Markets. 5.50—Popular Songs by Else Jarlbak. 6.20—Talks. 7.0—News. 7.30—Talk. 8.0—Johan Bentzon (Flute) and Folmer Jensen (Pfte.). Four Fantasias (Hilda Schested). Pastoral and Arabesque (Flemming Weis). 8.20—"The Wild Birds"—Play (Pontoppidan). 9.50—For Motorists. 10.0—News. 10.20—Radio Orchestra. Conductor: Grøndahl. Suite, "Medea" (Naumann). Divertimento in B flat (Mozart). Overture, "Youth and Madness" (Dupuy). 11.10 p.m.—12.30 a.m. (Wednesday)—Nicolaissen Dance Band; at 12.0 m't.—Chimes.

KÖNIGSBERG (Heilsberg) (Germany) 1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.). Transmits at intervals from 5.0 a.m. 12.0 noon—See Leipzig. 2.0-3.0 p.m.—News; Anniversaries; Music. 3.30—Fairy Tales and Songs. 4.0—Orchestra. 6.0—Topical. 6.15—Mezzo-Soprano, Pfte. (Chopin, Loewe, etc.). 6.50—News. 7.0—See Leipzig. 9.0—News. 9.10—"Der Stinthenst von Nikolaiken"—Play (Koll), with Songs (von Krogh), and Incidental Music by Hrubetz. 10.5—News. 10.20—Political Press Review. 10.40—Report: The Vienna Men's Choir in East Prussia. 11.0-12.0 m't.—Light and Dance Music.

LEIPZIG (Germany) 785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.). Transmits at intervals from 5.50 a.m. Leipzig Day at the Berlin Radio Exhibition. 12.0 noon—Leipzig Symphony Orchestra from the Radio Exhibition. Conductors: Weisbach, Blumer and Weber; at 1.0 p.m. News. 2.0—News. 2.10—Soldiers' Chorus from the Radio Exhibition. 3.0—Variety from the Radio Exhibition. Martin Kremer (Tenor), Edith d'Amara (Popular Songs), etc. 5.0—Village Evening, from the Radio Exhibition. Folk Groups from the Erzgebirge, Harz, Lausitz, Thuringia and Vogtland. Commentator: Paul Laven. 7.0—"Leipzig Kaleidoscope"—Musical Mosaic from the Radio Exhibition. Station Choir and Leipzig Symphony Orchestra. Conductor: Kretzschmar, Steinbach Band, Grete Kubatzki, and Lea Piltzi (Sopranos), Betty Mergler (Contralto), Seider (Tenor), Sebelenbergs (Baritone), Grundeis (Pfte.). 9.0—News. 9.15—"Round the World in Eighty Minutes"—Words and Music (arr. Drescher) (on Records). 10.30—News. 10.50-12.0 m't.—Music from Hamburg.

LILLE (Radio PTT Nord) (France) 1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.30 a.m. 8.0 p.m.—Dehette and Duchêne (Jazz Fantasias). 8.30—Play from Limoges (PTT). 10.30—News.

MARSEILLES (PTT) (France) 749 kc/s (400.5 m.); 100 kW. Transmits at intervals from 6.30 a.m. 8.30 p.m.—Station Orchestra. Conductor: Bousquet, Charles Paul (Songs). Soirs d'Afrique (Bousquet), Aria, "The Flying Dutchman" (Wagner), Soirs (Schmitt), Habanera (Chabrier), Berceuse, "Sarati le terrible" (Bousquet). Trois chants laotiens (Tomasi). Excerpts, "Sadko" (Rimsky-Korsakov). Symphony in D minor (Haydn). 10.30—News. 10.45-11.0—Dance Music.

MONTE CENERI (Switzerland) 1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 12 noon. 7.25 p.m.—Report: The Cycle Tour of Switzerland. 7.45—News. 7.55—Jazz Pfte. Records. 8.15-9.30—"The Coffee Machine"—Three-Act Play (Zambaldi).

MOSCOW (No. 1) (Russia) 172 kc/s (1,744 m.); 500 kW. 5.30 p.m.—Concert. 6.0—Talk: 6.30—An Opera. 9.0—German Programme. 9.55—Kremlin Chimes. 10.5—Dutch Programme. 11.0—Swedish Programme. 12.0 m't.—1.0 a.m. (Wednesday)—Spanish Programme.

MUNICH (Germany) 740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.). Transmits at intervals from 6.0 a.m. 12.0 noon—Orchestra. 1.45—News. 2.0—See Deutschlandsender. 3.0-3.20—Fairy Play. 4.0—Beethoven and Schumann Pfte Music. 4.20—Schiède ("Cello), Staab (Pfte). 4.40—Reading. 5.0—Orchestra—Conductor: Böhm. Lore Bernd (Contralto), Wilhelmine Holzinger-Rauh (Pfte.). 6.30—Markets. 6.45—Report (Recorded): The International Flat and Hurdle Races. 7.0—Viennese Records. 7.30—"Der Bienenstaat"—Play (Knan); Music by Schweiger. 9.0—News. 9.10—Chamber Music. Lena Wichmann and Max Osswald (Songs), Hellmeier (Clarinet), Regina Engelschalk (Viola), Kusche (Pfte.). 10.0—Time; News. 10.20—Serenade. Horn Quartet of the Bayreuth Festival Orchestra, Hilde Scheppan (Soprano), etc. Nocturne in D (Borodin). Second Movement, Concerto for four French Horns and Pfte. (Hübler). Songs: (a) Meine Liebe ist grün (Brahms), (b) Im Kahn grüen. Hunting Piece (Richter). Songs (Richard Strauss): (a) Heimkehr, (b) Breit über mein Haupt. First Movement, Pfte. Quintet (Schumann).

OSLO (Norway) 260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday. Transmits at intervals from 10.5 a.m. 5.30 p.m.—Records. 6.20—For Women. 7.0—News. 7.30—Time; Grieg Music—Station Orchestra. Conductor: Kramm. 8.10—Talk. 8.35—Waltzes by the Station Orchestra. 9.15—Topical. 9.40—News. 10.0—Talk. 10.15-10.30—Ovregaard (Songs).

PARIS (Eiffel Tower) (France) 1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 7.30 a.m. 8.0 p.m.—Television. 8.30—Variety Concert with the Raugel Choir and Station Troupe: Part I. "An Evening with George Sand, Chopin and Liszt." Part II. "La quinzaine sonore" (Constantin-Brive).

PARIS (Poste Parisien) (France) 959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m. 12.0 noon—Exchange. 12.5 p.m.—Records: "Countess Maritza" (Kálmán). 12.10—Radio Prize-Winners. 12.35—Exchange. 12.39—Records. 2.0., 3.45 and 4.35—Exchange. 6.0—Exchange. 6.5—Religious Programme. 6.15—Records: "Otello" (Verdi). 6.53—News. 7.25—Fauré Records. Ballad for Pfte. and Orchestra. Nocturne. Le parfum impréissable. Au bord de l'eau. 7.55—"The Voice of Experience." 8.0—Topical. 8.5—"La bonne histoire." 8.20—Songs. 8.35—Chopin Pfte. Music by Brailowsky (Recorded). Prelude. Etude. Mazurka. 9.0—News. 9.10—Two One-Act Plays; (a) "Le fils de l'âme" (Karquel-Tirard), (b) "Un héros" (Simon). 10.5—News. 10.10—Report from the Press Section of the Paris Exhibition. 10.30-11.0—From the Sheherazade.

PARIS (PTT) (France) 695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.30 a.m. 5.0 p.m.—Light Orchestral. Conductor: André. 6.0—Yvonne François (Pfte.). Rondo (Weber). Liebestraum (Liszt). Toccata (Debussy). 6.15—Jane Gatineau (Songs). Trois médailles romains (Penau). Tu m'as dit (Rabaud). Chanson (Rabaud). 6.30—"Winter"—Records. 6.45—Altéry (Songs). 7.0—News; Topical. 8.0—Variety. 8.30—See Marseilles (PTT). 10.30—News. 10.45-11.0—Ketilbey Records.

PARIS (Radio-Paris) (France) 182 kc/s (1,648 m.); 80 kW. Time Signals at 7.15 a.m., 12.30 p.m. 6.50 a.m.—Records. 7.0—Gym. 7.15—Records. 7.30—News. 8.0-8.30—Popular Overtures—Records. 10.15—"Hunting"—Records. 11.0—"Rhapsodies"—Records. 11.30—"Venice and Naples"—Records. 11.55—Legal Talk. 12.0 noon—Derveaux Orchestra. 12.15 p.m.—Talk. 12.30—Orchestra (contd.). 1.15—Sautete (Songs). 1.30—News. 1.45—Orchestra (contd.). 2.0—"The Wind"—Records. 2.45—Records of the Paris Instrumental Quintet. 3.0—Reading (Bourget). 3.15—Talk. 3.30—Reading (Katherine Mansfield). 3.45—Old Folk Songs (Mourier).

4.0—Concert from the American Conservatoire, Fontainebleau. Nadia Boulanger (Pfte.), Makaronitzky (Violin), Conrad (Songs). Sonata for Pfte. and Violin (Fauré). Songs from: (a) "Alceste" (Lully), (b) "Dardanus" (Rameau). Duo concertante (Stravinsky). Songs (Debussy, Ravel, Poulenc), Violin and Pfte. (Lili Boulanger): (a) Nocturne, (b) Cortège. 5.30—Poems. 5.45—Reading (Bernanos). 6.0—Talk: Plutarch and Women. 6.15—Aviation. 6.30—Dramatic Programme. 7.0—Yvonne Aubert (Songs). Aria, "Paris et Hélène" (Gluck). Green (Debussy). Chanson de Blaisine (de Séverac). Chanson du Rien (Ibert). Les roses de Saadi (Canal). 7.15—Lucienne Delforge (Pfte.). Ronde (Ropartz). Two Catalan Sardanias (Cirli). Three Pieces (Roussel): (a) Allegro con brio, (b) Allegro Grazioso, (c) "Allegro con spirito. 7.30—Duets from "Kadubec" (Yvain) by Lise Bengali and André Dupin. 7.45—Monologues. 8.0—Politics. 8.10—Foreign Affairs. 8.15—Concert from Ostend Kursaal. 10.30 (approx.)—News.

PRAGUE (Czechoslovakia) 638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 6.0 a.m. 6.5 p.m.—German Transmission: Music from the 14th-18th Century. Maria Tutta (Songs), Gertrud Nettel (Harpischord), and Records. 6.45—News and Review (German). 7.0—News. 7.10—Records. 7.20—Talk. 7.35—Records: Excerpts, "Revisor" (Weiss). 8.10—Play (Smejkal and Horánek). 8.55—Station Orchestra. Conductor: Smetáček. Daniel (Violin). Overture (Mendelssohn). Violin and Orchestra: Concert Polonaise (Fibich). Excerpt, "Les Troyens" (Berlioz). Violin and Orchestra: Nocturne (Jiráek). Third Symphony in D (Schubert). 9.55—Record. 10.0—Time; News. 10.20—See Brno. 11.0-11.15—English News.

RADIO-NORMANDIE (France) 1,113 kc/s (269.5 m.); 15 kW. 6.45 a.m.—Military Band. 7.0—News. 7.45—Joe Murgatroyd. 8.0—Light Music. 8.30—Records of Guy Lombardo. 8.45—Light Music. 9.0—Carroll Gibbons and his Boy Friends. 9.15—Light Music. 9.45—Records. 10.0—Military Band. 10.15—Records. 10.30—Popular Music. 10.45—Records. 11.0—Chansonettes. 12.0 noon—Records of Ilya Ljivschakoff and his Orchestra. 12.20 p.m.—Concert; at 12.35—News. 2.0—Records of Reginald Foort and his Orchestra. 2.15—Light Music. 2.30—Report: The Paris Exhibition. 2.45—Records. 3.0—Light Music. 3.30—Variety Items. 4.30—Records. 5.0—Children's Corner. 6.45—Talk; News; Racing Results. 7.0—Concert. 7.40—News. 8.0—Records of Eve Francis. 8.20—Variety. 8.40—Music. 9.0—"Madame Pompadour" (Fall) from the Casino, Fécap. 12.0 m't.—Midnight Melodies. 12.30-1.0 a.m. (Wednesday)—Dance Music.

REYKJAVIK (Iceland) 208 kc/s (1,442 m.); 16 kW. Transmits at intervals from 12 noon. 9.10 p.m.—Weather (Icelandic, German, English). 9.20—Light Music. 9.55—Announcements. 10.0—Time; News. 10.30—Talk. 11.0—Second Symphony (Brahms).

ROME (Italy) 713 kc/s (420.8 m.); 50 kW. Naples, etc. See Sunday. Transmits at intervals from 7.45 a.m. 5.0 p.m.—News. 5.15-5.50—Dance Music. 6.50—Dopolavoro Notes. 7.0—Talk (English); Music; Announcements. 7.53—News in Foreign Languages. 8.10—News. 8.30—Talk. 9.0—"La signorina così così" (Cavarrà). Conductor: Fasano. Talk and Announcements in the intervals. 11.0—News. 11.15—News (English). 11.30-11.50—Dance Music.

SOTTENS (Switzerland) 677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.). 12.30 p.m.—News. 12.40-1.30—Radio-Suisse romande Orchestra. Conductor: Haug. 5.0—Records. 5.25—Song Records. 5.40—Dance Records. 6.35—Report: The Cycle Tour of Switzerland. 7.5—Medical Talk. 7.15—History Lesson. 7.25—Talk. 7.40—Music. 7.50—News. 8.0—Report: The Cycle Tour of Switzerland.

8.35—Italian Music. Radio Suisse romande Orchestra. Conductor: Haug. Overture, "Le baruffe chiozzotte" (Sinigaglia). Intermezzo, "I quattro rusteghi" (Wolff-Ferrari). Piedmontese Dances (Sinigaglia). 9.0—One-Act Plays (Henriette Charasson) by the "Deux-Masques" Company: (a) Une robe de soie, (b) Séparation. 9.50—Smetana Music by the Radio Suisse romande Orchestra. Conductor: Haug. Selection, "The Bartered Bride." Excerpt, "My Country." From the Fields and Groves of Bohemia. 10.20-10.30—Report from Helsinki: The International Shooting Championships.

STOCKHOLM (Sweden) 704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday. Transmits at intervals from 7.45 a.m. 5.5 p.m.—For Children. 5.30—Talk in English by Prof. Gillies Whittaker: Why are the English considered unmusical? 6.0—Records. 7.0—Report. 7.15—News. 7.30—Reading. 7.45—Light Orchestral from the Town Hall. Conductor: Kahrman. 8.45—Geology. 9.15—Cabaret. 9.45—News. 10.0—Gershwin Records. An American in Paris. Songs, "Porgy and Bess." First Movement from the Pfte. Concerto in F. Songs, "Porgy and Bess." Rhapsody in Blue. 11.0-11.5—Report: The Chess Tournament.

STRASBOURG (France) 859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m. 5.0 p.m.—Jeanne Wild (Soprano) and Jeanne Wolfersaedter (Pfte.). Pfte.: Odelette (Roussel). Songs (Koechlin): (a) Au temps des fêtes, (b) Le té. Pfte.: Sonnez les matines (Hüe). 5.45—Reading. 6.0—Records. 6.30—Talk. 7.0—Topical. 7.30—Industrial and Social Notes. 7.45—News. 8.0—News (German). 8.15—Records. 8.30—Station Orchestra. Conductor: de Villers. Part I, Old Music. Italian Ballet (Gastoldi). Excerpts from a Sixteenth Century Music Book (Desportes). Les Chansons de Shakespeare (Vidal). Part II, "Le jeu de Robin et Marion" (de la Halle). 10.30—News. 11.0—News (German).

STUTTGART (Germany) 574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m. 12.0 noon—Baden Provincial Orchestra. 1.0 p.m.—News. 2.0-3.0—See Deutschlandsender. 4.0—Leipzig Variety from the Radio Exhibition. 5.0—Records. 6.0—Topical. 7.0—See Leipzig. 9.0—News. 9.15—Excerpts, "The Dusk of the Gods" (Wagner). Station Orchestra. Conductor: Buschkötter. Marta Fuchs (Soprano), Herrmann (Bass). 10.0—News. 10.20—Political Press Review. 10.40—Music from Hamburg. 12.0 m't.—1.0 a.m. (Wednesday)—See Frankfurt.

TOULOUSE (PTT) (France) 776 kc/s (386.6 m.); 120 kW. Transmits at intervals from 6.30 a.m. 8.30 p.m.—"The Taming of the Shrew" (Shakespeare). 10.30—News. 11.0—Weather. 11.5—Dance Records.

TOULOUSE (Radio-Toulouse) (France) 913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.30 a.m. 7.0 p.m.—Chansonettes. 7.15—News. 7.40—Light Music. 8.15—Operetta Music. 8.30—Excerpts, "Un soir de Réveillon" (Moretti). 8.45—Orchestra. 9.10—Light Music. 9.45—Orchestra. 10.0—News. 10.15—Operetta Airs, "The Chocolate Soldier" (Strauss), "Rip Van Winkle" (Planquette), "Les Cloches de Corneville" (Planquette), "Le cœur et la main" (Lecocq). 10.35—Dance Band. 10.50—Songs. 11.0—Marches. 11.15—Musical Comedy Music. 11.35—Light Music. 11.50—Announcements.

TURIN (No. 1) (Italy) 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday. Transmits at intervals from 7.45 a.m. 5.0 p.m.—News. 5.15—Ines Barral (Harp). 5.50—Weather. 5.55-6.5—For Women. 6.50—Dopolavoro Notes. 7.0—Light Music. 7.40—News in Foreign Languages. 8.10—News. 8.30—Talk. 9.0—"Madame Butterfly" (Puccini). Conductor: Berrettoni. Cast includes Magda Olivero, Ebe Ticozzi, Liana Avogadro, Ziliani, Morelli and Nessi. In the intervals, Talk. News. 11.30 (approx.)-11.55—News; Dance Music.

VIENNA (Austria) 592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday. Transmits at intervals from 6.45 a.m. 5.20 p.m.—Sonja Gurewitsch (Pfte.). Caprices (Brahms). Hungarian Rhapsody (Liszt). 5.35—Arpeggiato Sonata in A minor (Schubert), by Stepanicka (Cello) and Kuba (Pfte.). 6.0—Talks. 6.50—Astronomy. 7.0—News. 7.10—"Vienna Voices"—Humorous Musical Trip through the City. Station Orchestra, etc. 8.10—Report from the Austrian Camp at the World Jamboree, Vogelzang. 8.30—Stories. 8.55—"Drescherballade"—Play (Eggermann). 9.50—Readings (Franz Keim). 10.10—News. 10.20—Station Orchestra. March (Stilp). Hella Overture (Pauspertl). Intermezzo (Hies). Potpourri (Stanford). Waltz (Kliment). 10.55—Announcements. 11.0-11.30—Orchestra (contd.). Schwälmer Hochzeit (Moizner). Ländler (Flemming). Mädels ahoi! (Flemming). Waltz, "Countess Maritza" (Kálmán). Potpourri—(Schneider).

WARSAW (Poland) 224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday. Transmits at intervals from 6.15 a.m. 12.3 p.m.—News. 12.15—Farmers' Letter-box. 12.25-1.0—Police Band. Conductor: Dolzynski. Hungarian Overture (Kéler-Béla). Romance (Rubinstein). Song and Dance (Grieg). Frühlingsstimmen (Strauss). American March (Souza). 3.45—Sports. 4.0 (from Wilno)—For Children. 4.20—Pfte. Quartet in E flat (Beethoven). 4.45—Reading. 5.0—Station Orchestra and Double Vocal Quartet. Conductor: Gorzynski. 5.50—Tourist Talk. 6.0—Economics. 6.10—Programme Notes. 6.15—Records: Film Music. 6.50—Topical. 7.0—Sketch. 7.15—Roesner (Violin). Sonata in A (Tartini). Tambourin (Leclair, arr. Kreisler). Alumbblatt (Wagner, arr. Wilhelmya). Scherzo (Tchaikovsky). 7.50—Sports. 8.0—"Fashion and Luxury"—Vaudeville. 8.45—News. 8.55—For Farmers. 9.5—Songs by the Cracow Station Quartet and Szyfman. 9.45—Reading. 10.0—Wilno Station Orchestra. Conductor: Szczepanski. Overture, "Salvator Rosa" (Gomez). Era Gherardo (Pizetti). Three Intermezzi (Pich-Mangiagalli). The principle Zilah (Alfano). Selection, "Belfagor" (Respighi). 10.50-11.0—News.

Aug. 4 WEDNESDAY

5 p.m.

ATHLONE, 5.30—Army Bands. Interview with visiting Officers; Interview with Judge of International Hunt Competition from the Royal Dublin Society Show. Ballsbridge, Dublin.

BEROMÜNSTER, Radio Orchestra. **BRUSSELS** (1), For Women. 5.5—Dance Music. **BRUSSELS** (2), Langlois Orchestra. **BUDAPEST** (1), Jazz Band. 5.50—Talk.

COLOGNE, Orchestra. 5.30—Topical.

FRANKFURT and **MOST GERMAN STATIONS**, Concert from the Radio Exhibition.

HILVERSUM (1,875 m.), Concert 5.40—Organ. **HILVERSUM** (301.5 m.), For Children. 5.40—Talks.

KALUNDBORG, Talks. 5.50—Records.

LILLE, Organ.

MOSCOW, 5.30—Concert. **MUNICH**, Variety.

PARIS (PTT), Film Records. 5.20—Reading (Andersen). 5.40—Talks.

RADIO-NORMANDIE, Light Music. 5.30—Current London Productions. **RADIO-PARIS**; Light Orchestral. **ROME**, News. 5.15—5.50—Chamber Music.

SOTTENS, 5.15—The Cycle Tour of Switzerland. 5.45—Records. **STOCKHOLM**, 5.5—Jämtland Folklore and Music. 5.30—Reading. 5.55—Records.

TURIN, News. 5.15—5.50—Dance Music.

VIENNA, 5.35—Contemporary Austrian Songs and Pfte. Music.

WARSAW, Salon Orchestra. 5.50—Talk.

6 p.m.

ATHLONE, Bands, etc. (contd.). 6.35—Irish News. 6.45—News.

BERLIN, Berlin Traffic Police Training. 6.20—Records. **BEROMÜNSTER**, For Children. 6.30—Records. **BRESLAU**, Songs of Work (arr. Pritsche). 6.50—News; Notes. **BRUSSELS** (1), Talk. 6.15—Langlois Orchestra. **BRUSSELS** (2), Records. 6.15—Talk and Reading. 6.45—Records. **BUDAPEST** (1), Talk. 6.20—Pfte. (Mozart, Bach). 6.50—Talk with Records.

COLOGNE, Guitar, Pfte. 6.30—Reading. 6.45—Opera Records.

DEUTSCHLANDSENDER, Clarinet and Pfte.: Sonata (Draeseke). 6.25—Humour. 6.45—Talk.

FRANKFURT, Talks.

HAMBURG, Talk. 6.15—Songs (Grieg). 6.45—Water Level; Notes. **HILVERSUM** (1,875 m.), Organ. 6.10—RVU Talk. 6.45—Choir. **HILVERSUM** (301.5 m.), Talks; News.

KALUNDBORG, Records. 6.15—Weather. 6.20—Talk. **KÖNIGSBERG**, Talk. 6.20—“The Beautiful World”—Choir and Orchestra. 6.50—Notes.

LEIPZIG, Talks. 6.30—Pfte. 6.50—Topical. **LILLE**, Organ. 6.30—The Cycle Tour of France. 6.45—Talk (English).

MOSCOW, Talk. 6.30—Music and Literature. **MUNICH**, Variety. 6.30—Talks.

OSLO, Records. 6.25—For Boys.

PARIS (PTT), Records. 6.15—Pfte. 6.30—Songs. **POSTE PARISIEN**, Exchange. 6.5—Ballet Suite (Grétry) (Recorded). 6.53—News. **PRAGUE**, For Farmers. 6.5—German Transmission: Songs; Pfte.; For Workers; Notes. 6.45—News (German); Record.

RADIO-NORMANDIE, Children's Corner. 6.45—Talk; News; Racing Results. **RADIO-PARIS**, Talks. **ROME**, 6.50—Talk.

SOTTENS, Records. 6.45—Interlude. **STOCKHOLM**, Records. 6.55—Report from Helsinki: International Shooting Championships. **STRASBOURG**, Songs. 6.30—Talk. 6.45—Records. **STUTTGART**, Topical.

TOULOUSE, Light Music. 6.50—News. **TURIN**, 6.50—Talk.

VIENNA, Music (contd.). 6.20—Talks.

WARSAW, Topical; Notes. 6.15—Heyken Records. 6.50—Talk.

7 p.m.

ATHLONE, Parker Lynch in Dramatic Readings. 7.30—Irish Radio Orchestra, Mezzo-Soprano, Contralto, Violin Duets. (Flotow, Tchaikovsky, Grieg).

BERLIN, Echoes. 7.20—Viennese Operettas Station Orchestra. **BEROMÜNSTER**, Markets. 7.15—Report. 7.25—Surprise Programme. 7.30—Cycle Tour of Switzerland. 7.45—News. 7.55—Surprise Programme. **BRESLAU**, Variety Concert. In the intervals, Sketches. **BENO**, 7.20—Records with Pfte. Interludes. **BRUSSELS** (1), Address. 7.15—For Ex-Servicemen. 7.30—News. **BRUSSELS** (2), Records. 7.30—I.N.R. Review. **BUDAPEST** (1), Talk with Records. 7.25—Records: Marches and Waltzes.

COLOGNE, Opera Records. 7.45—Snapshot.

DEUTSCHLANDSENDER, Variety for the Fiftieth Birthday of the Gramophone. 7.45—Topical.

FRANKFURT, HAMBURG, LEIPZIG and **STUTTGART**, “Echoes of the Homeland”—A Trip from the Hoher Meissner to Lake Constance, from the Radio Exhibition.

HILVERSUM (1,875 m.), Choir. 7.10—VPRO Talk. 7.40—News. 7.55—Records. **HILVERSUM** (301.5 m.), News; Records;

Concert (contd.). **BRNO**, Records, etc. (contd.). 8.20—See Prague. 8.35—Talk. 8.50—See Bratislava. **BRUSSELS** (1), Records. 8.15—Commemoration of the 4th August, 1914. **BRUSSELS** (2), Opera and Ballet Records. 8.15—“Chancellor von Bethmann-Hollweg”—Historical Play. 8.35—Records. **BUDAPEST** (1), “Ellák”—Tragedy (Harsányi).

COLOGNE and **DEUTSCHLANDSENDER**, News. 8.10—Frankfurt Programme from the Berlin Radio Exhibition.

EIFFEL TOWER, 8.30—“Bava L'Africain”—Play (Zimmer). **FRANKFURT, HAMBURG, LEIPZIG**, and **STUTTGART**, Echoes of the Homeland (contd.).

HILVERSUM (1,875 m.), Records. 8.40—To be announced. **HILVERSUM** (301.5 m.), Singers, Band (contd.); at 8.40—Talk.

KALUNDBORG, Heise and Lange-Müller Songs. 8.20—Talk about the Argentine. 8.50—Wagner Music—Radio Orchestra. **KÖNIGSBERG**, News. 8.10—Marches and Dances—Station Orchestra.

PRINCIPAL EVENTS

SYMPHONY CONCERTS
8.5 Vienna, Beromünster, Monte Ceneri: Strauss concert from Salzburg.
9.40 National: Constant Lambert.
10.20 Kalundborg: Symphony (Schierbeck).
11.0 Budapest 1: Tchaikovsky, No. 5.

LIGHT CONCERTS
12.0 Radio-Paris: Visciano Orchestra.
2.50 Kalundborg: Preil's Ensemble.
4.0 Frankfurt, etc.: Orch., vocal.
7.0 Frankfurt, etc.: Frankfurt programme.
7.0 Munich: Popular orchestral.
7.20 Berlin: Viennese operetta music.
7.30 Athlone: Orch., song, violins.
8.0 Stockholm: Garden concert.
8.50 Bratislava, Prague: Czech music.
8.50 Kalundborg: Wagner.
8.55 Oslo: Station Orchestra, pftes.
9.0 Berlin: Radio Orchestra, choir.
9.0 Brussels 2: Knocke Casino.
9.0 Paris (PTT): Choir.
9.0 Rome: Band concert.
10.10 Brussels 1: Blankenberge Casino.
10.10 Budapest 1: Cigány band.
10.20 Munich: Light orchestral.

OPERETTAS
8.30 Radio-Paris: “L'école des maris.”
9.0 Turin: “Stenterello” (Cuscina).

CHAMBER MUSIC
9.15 Leipzig: Old instruments.
9.30 Paris (PTT): Quartet, pfte., song.
12.0 Stuttgart, Frankfurt: Quartet, etc.

RECITALS
6.20 Budapest 1: Pfte. (Mozart, Bach).
7.0 Radio-Paris: Harpsichord, song, pfte.
8.0 Kalundborg: Danish songs.
8.35 Sottens: Motets.
9.0 Warsaw: Chopin.
9.10 Hilversum (1,875 m.): Organ.
9.25 Prague: Pfte. Smetana Dances.
10.35 Cologne: Pianoforte.

PLAYS
8.30 Eiffel Tower: “Bava l'Africain.”
8.30 Paris (PTT): “L'air du pays.”
9.5 Athlone: “The Lover” (Sierra).

TALKS
6.45 Lille (PTT), Rennes: Talk in English.
9.5 (approx.) Beromünster: “Richard Strauss.”

LAST NEWS BULLETINS, see Monday

DANCE MUSIC
9.30 Breslau; 9.45, Vienna; 10.0, Stockholm, Warsaw; 10.5, Beromünster; 10.25, Regional; 10.50, Leipzig; 11.0, National; 11.10, Kalundborg; 11.30, Rome, Turin; 12.30, Radio-Normandie.

Report. 7.40—News. 7.55—The Melody Singers and Meyerbeer Wind Band.

KALUNDBORG, News; Report. 7.30—For Farmers. **KÖNIGSBERG**, Humorous Rhymes. 7.30—Where are you Comrade?

MONTE CENERI, 7.25—Cycle Tour of Switzerland. 7.45—News. **MOSCOW**, Music and Literature. 7.30—Literary Programme. **MUNICH**, Light Orchestral, Violin, Cello.

OSLO, News. 7.40—Harp.

PARIS (PTT), News; Topical. **POSTE PARISIEN**, News. 7.25—Records; at 7.40—Talk. **PRAGUE**, News. 7.10—Talk. 7.20—See Brno.

RADIO-NORMANDIE, Concert. 7.40—News. **RADIO-PARIS**, Lecture-Recital: Seventeenth Century Italian Harpsichord Music. 7.30—Songs. 7.45—Pfte. **ROME**, Talk (German); Light Music; Notes. 7.53—News in Foreign Languages.

SOTTENS, Talk. 7.10—Interlude. 7.25—Micro-Magazine. 7.50—News. **STOCKHOLM**, Report (contd.). 7.15—News. 7.30—Talk. **STRASBOURG**, Topical. 7.30—Economics. 7.45—News.

TOULOUSE, Light Music; at 7.15—News. 7.50—Variety Concert from the Salle Pleyel, Paris. **TURIN**, Light Orchestral. 7.40—News in Foreign Languages.

VIENNA, News. 7.25—Reading. 7.45—Pfte. Duo.

WARSAW, Records of Famous Conductors. 7.50—Sports.

MONTE CENERI, 8.5—See Vienna. **MOSCOW**, Concert. **MUNICH**, Records.

OSLO, Reading. 8.55—Station Orchestra with Alice and Walter Frey.

PARIS (PTT), Variety. 8.30—“L'air du pays”—Fantasy (Martel) by Jeanne Andral and the Author. **POSTE PARISIEN**, Topical; La bonne histoire. 8.20—Songs. 8.35—Records. 8.50—Talk. **PRAGUE**, See Brno. 8.20—Dvořák Song Records. 8.35—See Brno. 8.50—See Bratislava.

RADIO-NORMANDIE, Records of Kreisler. 8.20—Variety. **RADIO-PARIS**, Talks. 8.30—“L'école des maris” (Bondeville). **ROME** and **TURIN**, News (contd.). 8.30—Notes.

SOTTENS, Cycle Tour of Switzerland. 8.35—Music of the Renaissance by the Geneva Motet Choir. 8.50—Radio Suisse romande Orchestra. **STOCKHOLM**, Göteborg Gardens Orchestra. **STRASBOURG**, 8.5—See Vienna.

TOULOUSE, Concert (contd.).

VIENNA, 8.5—Richard Strauss Concert from the Mozarteum, Salzburg. Vienna Philharmonic, Conductor: Knappertsbusch.

WARSAW, Vocal Quartet. 8.45—News; Topical.

9 p.m.

ATHLONE, 9.5—“The Lover” Comedy (Sierra). 9.30—Variety.

BERLIN, Light Music and Love Songs by the Station Orchestra and Choir. **BEROMÜNSTER**, 9.5—Talk: Richard Strauss and his Work. 9.20—See Vienna. 9.45—Talk. **BRATISLAVA** and **BRNO**, Orchestra. 9.25—See

Prague. **BRESLAU**, News. 9.30—Dance Music. **BRUSSELS** (1), Commemoration (contd.). 9.15—Records: Third Symphony. The Eroica (Beethoven). **BRUSSELS** (2), Symphony Concert. Odno-povov (Violin). **BUDAPEST** (1), Tragedy (contd.). 9.50—News.

COLOGNE, Words and Music—Station Orchestra.

DEUTSCHLANDSENDER, An August Calendar.

EIFFEL TOWER, Play (contd.).

FRANKFURT, News. 9.15—A Freiburg Serenade by Gunther Theilacker and his Chamber Orchestra.

HAMBURG, News. 9.10—Cinema Organ. 9.25—Records: Cello Concerto in B minor (Dvořák). **HILVERSUM** (1,875 m.), To be announced. 9.10—Organ. 9.40—News; Report. **HILVERSUM** (301.5 m.), Singers, Band (contd.). 9.35—News. 9.50—Houtman (Organ).

ATHLONE, Variety. 10.30—News. **BERLIN**, News. 10.30—Music from Breslau. **BEROMÜNSTER**, 10.5—Dance Records. 10.20—Notes. **BRESLAU**, News. 10.10—Dance Music. **BRUSSELS** (1), News. 10.10 Concert from the Casino, Blankenberghe. **BRUSSELS** (2), Concert (contd.). 10.30—News. 10.40—Records: Flemish Songs. **BUDAPEST** (1), News. 10.10 Cigány Band. 10.50—News (French, Italian).

COLOGNE, News. 10.20—Report. 10.35—Grape (Pfte.).

DEUTSCHLANDSENDER, News. 10.20—See Cologne. 10.35—Trio (Haydn).

EIFFEL TOWER, Play (contd.).

FRANKFURT, News. 10.20—See Cologne. 10.35—Dance Music from Breslau.

HAMBURG, News. 10.15—The Tennis Championships. 10.30—Music from Breslau. **HILVERSUM** (1,875 m.), Report. 10.10—Dance Band. **HILVERSUM** (301.5 m.), Organ (contd.). 10.40—Records.

KALUNDBORG, News. 10.20—Symphony (Schierbeck)—Radio Symphony Orchestra. **KÖNIGSBERG**, News. 10.20—Talk. 10.40—Dance Music from Breslau.

LEIPZIG, Music and Songs (contd.). 10.30—News. 10.50—Dance Music from Breslau.

MOSCOW, 10.5—English Talks: (a) Foreign Affairs—Effects of the Policy of Concession to the Aggressors, (b) Socialist Property in the U.S.S.R. **MUNICH**, News. 10.20—Serenade.

OSLO, International Shooting Championship at Helsinki. 10.15—Light Music.

PARIS (PTT), Chamber Music (contd.). 10.30—News. 10.45—Topical. **POSTE PARISIEN**, Records. **PRAGUE**, News. 10.20—Records.

RADIO-NORMANDIE, Concert. **RADIO-PARIS**, “L'école des maris” (contd.). 10.30—Records: Nocturnes (Debussy). 10.45—News. **ROME**, Band. 10.15—Talk. 10.25—Polyphonic Choir.

SOTTENS, Hot Jazz. 10.25—Report. **STOCKHOLM**, Dance Band. **STRASBOURG**, To be announced. 10.30—Topical. **STUTTGART**, News. 10.30—Portuguese Concert.

TOULOUSE, News. 10.15—Light Music. **TURIN**, “Stenterello” (contd.).

VIENNA, Dance Band; at 10.10—News. 10.55—News.

WARSAW, Dance Music. 10.50—News.

10 p.m.

ATHLONE, 10.15—The Tennis Championships. 10.30—Music from Breslau. **HILVERSUM** (1,875 m.), Report. 10.10—Dance Band. **HILVERSUM** (301.5 m.), Organ (contd.). 10.40—Records.

KALUNDBORG, News. 10.20—Symphony (Schierbeck)—Radio Symphony Orchestra. **KÖNIGSBERG**, News. 10.20—Talk. 10.40—Dance Music from Breslau.

LEIPZIG, Music and Songs (contd.). 10.30—News. 10.50—Dance Music from Breslau.

MOSCOW, 10.5—English Talks: (a) Foreign Affairs—Effects of the Policy of Concession to the Aggressors, (b) Socialist Property in the U.S.S.R. **MUNICH**, News. 10.20—Serenade.

OSLO, International Shooting Championship at Helsinki. 10.15—Light Music.

PARIS (PTT), Chamber Music (contd.). 10.30—News. 10.45—Topical. **POSTE PARISIEN**, Records. **PRAGUE**, News. 10.20—Records.

RADIO-NORMANDIE, Concert. **RADIO-PARIS**, “L'école des maris” (contd.). 10.30—Records: Nocturnes (Debussy). 10.45—News. **ROME**, Band. 10.15—Talk. 10.25—Polyphonic Choir.

SOTTENS, Hot Jazz. 10.25—Report. **STOCKHOLM**, Dance Band. **STRASBOURG**, To be announced. 10.30—Topical. **STUTTGART**, News. 10.30—Portuguese Concert.

TOULOUSE, News. 10.15—Light Music. **TURIN**, “Stenterello” (contd.).

VIENNA, Dance Band; at 10.10—News. 10.55—News.

WARSAW, Dance Music. 10.50—News.

11 p.m.

BRESLAU and **MOST GERMAN STATIONS**, Dance Music. **BUDAPEST** (1), Fifth Symphony (Tchaikovsky)—Opera Orchestra.

DEUTSCHLANDSENDER, Dance Records.

HILVERSUM (1,875 m.), Dance Band. 11.10—Records. **HILVERSUM** (301.5 m.), Records; Bible Reading.

KALUNDBORG, Symphony (contd.). 11.10—Dance Band.

MOSCOW, German Programme. **MUNICH**, Serenade (contd.).

PRAGUE, News (French).

RADIO-NORMANDIE, Concert. **ROME**, News. 11.15—News (English). 11.30—Dance Music.

STOCKHOLM, The Chess Tournament. **STRASBOURG**, News (German).

TOULOUSE, Light Music. **TURIN**, News. 11.15—Dance Music.

VIENNA, Viennese Music—Schrammel Ensemble.

12 midnight

KALUNDBORG, Dance Band.

MOSCOW, Spanish Programme.

RADIO-NORMANDIE, Melodies. 12.30—Dance Music.

STUTTGART and **FRANKFURT**, Serenade. Orchestra and Felse Quartet, Schäfers (Pfte.).

KALUNDBORG, Wagner Music (contd.). 9.35—A Visit to Ronne, Bornholm. **KÖNIGSBERG**, “Amusing Experiences”—Scenes (Reisner).

LEIPZIG, News. 9.15—Music on Old Instruments, Hanna Gruhnert (Soprano).

MONTE CENERI, 9.5—9.30—Dance Records. **MOSCOW**, Czech Programme. **MUNICH**, News. 9.10—A Family Tree in Music and Verse.

OSLO, Orchestra, etc. (contd.). 9.40—News.

PARIS (PTT), Le Campanile Choir. 9.30—Chamber Music—Amati Quartet, Hubeau (Pfte.) and Germaine Cernay (Songs). **POSTE PARISIEN**, News. 9.10—Sketch (Diamant-Berger). 9.55—News. **PRAGUE**, See Bratislava. 9.25—Czech Dances (Smetana) by Firkusny (Pfte.). 9.55—Record.

RADIO-NORMANDIE, Concert. **RADIO-PARIS**, “L'école des maris” (contd.); at 9.30—News. **ROME**, Band.

SOTTENS, Orchestra (contd.). 9.20—Modern Music—Geneva Motet Choir. 9.35—Radio Suisse romande Orchestra. **STOCKHOLM**, Report. 9.45—News. **STRASBOURG**, 9.5—News (German). 9.20—See Vienna. 9.45—To be announced. See Vienna. **STUTTGART**, News. 9.15—“In Praise of Summer”—Lyric Suite (Schneider).

TOULOUSE, Concert (contd.). 9.15—Fantasy. 9.45—Orchestra. **TURIN**, “Stenterello” (Cuscina).

VIENNA, Strauss Concert (contd.); at 9.5—9.20—Talk by Dr. Bernhard Paumgartner. 9.45—Dance Band.

WARSAW, Chopin Pfte. Recital by Lukasiewicz. 9.45—Reading.

WEDNESDAY (August 4)

NATIONAL

For Time Signals, see Monday. 10.15 a.m. (D)—Service. 10.30 (D)—Weather Forecast. 10.45 (D)—Cinema Organ. 11.15 (D)—Records. 12.0 noon (D)—BBC Midland Orchestra: Eric Hope (Pfte.). 1.0 (D)—Northern Ireland Brass Band: Jessie Rankin (Soprano). 1.45 (D)—Records. 2.15 (D)—John MacArthur Quintet. 2.45 (D)—Records. 3.30 (D)—Kathleen Dunn Davies (Pfte.). 4.0 (D)—Evensong from St. Paul's Cathedral. 4.50 (D)—Records. 5.0—Harry Leader and his Band. 6.0—The First News. 6.20—Jack White and his Collegians. 7.0—Sophie Wyss (Soprano); Isabel Gray (Pfte.). 7.40—Background to Sport. 8.0—"Next, Please"—variety. 9.0—The Third News. 9.20—Tonight, twenty-three years ago: Harold Nicolson. 9.40—BBC Orchestra (Section C) conducted by Constant Lambert; Kathleen Long (Pfte.). 10.40—Poetry-reading. 11.0—Jack Jackson and his Band. 11.30-12.0—Swing Time Records.

REGIONAL

For Time Signals, see Monday. 10.15-10.45 a.m. (ex. Western; Welsh 10.30)—National. 10.15 (Welsh)—Welsh Service. 10.45 (ex. Western)—Records. 11.15 (ex. Western)—Cinema Orchestra. 12.0 noon (ex. Western)—Octet. 12.30 p.m. (ex. Western)—Dance Records. 1.15 (ex. Western)—Theatre Orchestra. 2.5 (Scottish)—Herring Bulletin. 2.15 (ex. Western)—Alan Stephenson (Organ). 3.0 (ex. Western)—Far and Near. 3.15 (ex. Western)—BBC Northern Orchestra. 4.15 (ex. Western)—Light Orchestra. 5.0 (ex. Western)—Children's Hour. 5.0 (Western)—National. 6.0 (Regional, Welsh, N. Ireland)—BBC Northern Ireland Orchestra: Molly O'Neill (Contralto). 6.0 (Midland)—British Legion Silver Band: Archie Doorbar (Baritone). 6.0 (Northern)—Orchestra. 6.0 (Scottish)—Cinema Organ. 6.20 (Scottish)—Gardening talk. 6.30 (Northern)—Short story. 6.40 (Midland)—"Famous Midland Houses." 6.40 (Scottish)—Piping. 6.45 (Northern)—Cricket for Women: Ruby W. Humphries. 7.0 (ex. Western)—Second News. 7.20 (ex. Western)—Regional Announcements. 7.30 (Regional, Midland, Scottish)—Music from the Argentine records. 7.30 (Northern)—Bank Holiday Briefs. 7.30 (Welsh)—Royal National Eisteddfod of Wales Choral and Orchestral Concert: Mary Jarred (Contralto); Harriet Cohen (Pfte.); The Eisteddfod Choir and Orchestra conducted by Sir Adrian Boult. 7.30 (N. Ireland)—Records. 8.0 (ex. Welsh)—Week by Week. 8.20 (Regional)—Nikolai Graudan and Hansi Freudberg (Cello and pft. duo). 8.20 (Midland)—Marie Hall (Violin); Philip Taylor (Organ). 8.20 (Northern)—Orchestra. 8.20 (Western)—Records. 8.20 (N. Ireland)—Ballads. 8.20 (Scottish)—Alexander Center (Organ). 8.30 (Welsh)—Records. 8.40 (Western)—Speedway: Bristol v. Southampton. 8.45 (N. Ireland)—Gardening talk. 8.45 (Scottish)—"Georgian Summer": miscellany of poetry with music. 9.0 (ex. Western)—"Murder in the Embassy": melodrama by Francis Bruridge. 9.0 (Western)—Clifton Light Orchestra: Glyn Eastman (Baritone); Beryl Tichbon, Winifred Davey (Pftes.). 10.0 (ex. Western)—News Summary. 10.25 (ex. Western; Scottish 10.30)—Jack Jackson and his Band. 10.25 (Scottish)—Sports News. 11.30 (ex. Western)—Late News Summary. 11.40-12.0 (ex. Western)—Records.

Hours of Transmission in British Summer Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 100 kW. Dublin, etc. See Sunday. 1.30-3.0 p.m.—Records. 5.30—Army Bands. Interview with visiting Officers; Interview with Judge of Inter-Hunt Competition from the Royal Dublin Society Show, Ballsbridge, Dublin. 6.35—Irish News Feature. 6.45—News. 7.0—Parker Lynch in Dramatic Readings. 7.30—Irish Radio Orchestra. Cecily Kenny (Mezzo-Soprano), Mairin Fenning (Contralto), Mabel and Una Kenny (Violin Duets). Overture, "Martha" (Flotow). Suite, Mozartiana (Tchaikovsky). Norwegian Dances (Grieg). 9.5—"The Lover"—Comedy (Sierra). 9.30—Variety. 10.30-11.0—News.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 6.0 a.m. 12.0 noon—See Frankfurt. 1.0 p.m.—Midday Echoes. 1.15—See Frankfurt. 2.0—News. 2.15—Hippmann Orchestra. 3.15—Exchange; Markets. 3.35—Records. 4.0—See Frankfurt. 6.0—Report: Berlin Traffic Police Training. 6.20—Records. 7.0—Evening Echoes. 7.20—Viennese Operetta Melodies—Station Orchestra. Conductor: Willy Steiner. 8.0—News. 8.10—Cabaret. 9.0—Light Music by the Station Orchestra; Love Songs by the Station Choir. 10.0—News. 10.30-12.0 m't.—Music from Breslau.

BEROMÜNSTER

(Switzerland)

556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.). 6.15 a.m.—Records. 6.35—Weather. 12.0 noon—Records. 12.29 p.m.—News. 12.40—Radio Orchestra. 1.25-1.30 (from Berne)—Report: The Results of the International Shooting Championships at Helsinki. 4.30—For Women. 5.0—Radio Orchestra. 6.0—For Children. 6.30—Records. 7.0—Markets. 7.15—Report: The International Shooting Championships at Helsinki. 7.25—Surprise Programme. 7.30—Report: The Cycle Tour of Switzerland. 7.45—News. 7.55—Surprise Programme. 7.55—Richard Strauss Concert from the Salzburg Festival (for details see Vienna); at 9.5 (approx.)—Talk: Richard Strauss and his Work. 9.45—Talk. 10.5—Dance Records. 10.20-10.30—Announcements.

BRATISLAVA

(Czechoslovakia)

1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 6.0 a.m. 4.10 p.m.—Pistany Spa Orchestra; at 4.50—Talk. 5.40—Records. 5.50—For Workers. 6.0—Hungarian Transmission: Talk; Songs. 6.45-7.20—See Prague. 7.20—See Brno. 8.20—Play (Klika) from Kosice. 8.50—Station Orchestra. Conductor: Dyk. Festival Polonaise (Dvořák). Three Movements from the Slovak Suite (Novak). Carpathian-Russian Songs (Moyzes). 9.25-10.20—See Prague. 10.20—News (Hungarian). 10.35-11.0—Records.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz, 1,231 kc/s (243.7 m.). Transmits at intervals from 5.30 a.m. 12.0 noon (from Gleiwitz)—Orchestra; at 1.0 p.m.—News. 2.0-3.0—News; Records. 3.30—For Children. 4.0—See Frankfurt. 6.0—Songs of Work (arr. Fritsche) from Görlitz. 6.50—News; Programme Notes. 7.0—Variety Concert. Station Choir, Tenor, Bass, Pftes., Accordion Duos. Conductor: Rischka. In the intervals, Sketches. 9.0—News. 9.30-12.0 m't.—Dance Music from Görlitz; at 10.0—News.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 6.0 a.m. 5.40 p.m.—German Transmission: Variety Concert. 6.15—Zoubek (Violin) and Kaff (Pfte.). 6.35—For Workers.

6.45-7.20—See Prague. 7.20—Gramophone Records, with Pfte. Interludes by Weis. 8.20—See Prague. 8.35—Talk: Fishing. 8.50—See Bratislava. 9.25-11.0—See Prague.

BRUSSELS (No. 1)

(Belgium)

620 kc/s (483.9 m.); 15 kW. 6.37-9.0 a.m.—Records; Gym; News. 12.0 noon—Alexys Orchestra; at 12.30 p.m.—Shipping. 1.0—News. 1.10—Records. 2.0—Art Notes. 4.55—News. 5.0—For Women. 5.5—Dance Music from Knocke Casino. 6.0—Talk: Musical Anecdotes. 6.15—Langlois Orchestra. 7.0—Protestant Address. 7.15—For Ex-Servicemen; Sports; For Motorists. 7.30—News. 8.0—Records. A Trumpet Voluntary (Purcell-Wood). Solemn Melody (Purcell-Wood). Overture, Coriolanus (Beethoven). 8.15—Commemoration of the 4th August, 1914. 9.15—Records: Third Symphony, The Eroica (Beethoven). 10.0—News. 10.10-11.0—Concert from the Casino, Blankenberghe.

BRUSSELS (No. 2)

(Belgium)

932 kc/s (321.9 m.); 15 kW. Programme in Flemish. 6.37-9.0 a.m.—Records; Gym; News. 12.0 noon—Orchestral Records. 1.0 p.m.—News. 1.10—Alexys Orchestra, from the Alhambra. 2.0-2.3—Inland Shipping. 4.55—News. 5.0—Langlois Orchestra. 6.0—Records. 6.15—Talk and Reading: Knut Hamsun. 6.45—Records. Quartet (Debussy) by the Calvet Quartet. Trio in E (Mozart) by the Belgian Court Trio. 7.30—J.N.R. Review. 8.0—Opera and Ballet Records. 8.15—Chancellor von Berthmann-Holweg—"Historical Play (Hermynia zur Mühlen); trans. Fic Collet. 8.35—Records. 9.0—Popular Concert from Knocke Casino. Conductor: Candaël. Odonopov (Violin). Stenka Razin (Glazunov). Violin Concerto (Mendelssohn). Adagio from the Fifth Symphony (Mahler). Violin Solos. March, "Le Cantique des Cantiques" (Candaël). 10.30 (approx.)—News. 10.40 (approx.)-11.0—Records: Flemish Songs.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania (Brasov), 160 kc/s (1,875 m.). Transmits at intervals from 5.30 a.m. 6.3 p.m.—Serbanesco Jazz Band. 7.0—Talk. 7.20—Records of Erna Sack and Wittrisch (Songs). 8.0—Balalaika Quartet. 8.30—Theodore (Violin), Sonata, Le tombeau (Leclair). Four Sketches (Gaubert). 9.10—Stefanescu (Songs). 9.30—News. 9.45—Radio Salon Orchestra. Conductor: Nottara. 10.45—News (French, German, Romanian).

BUDAPEST (No. 1)

(Hungary)

546 kc/s (549.5 m.); 120 kW. Transmits at intervals from 6.45 a.m. 12.0 noon—Chimes. 12.5 p.m.—Vocal Quartet. 12.45—News. 1.0—Orchestra. 2.40—News. 3.0—Markets. 4.15—Talk. 4.45—News. 5.0—Angyal Jazz Band. 5.50—Talk. 6.20—György Kósa (Pfte.). Fantasia in C minor (Mozart). French Suite in G (Bach). 6.50—Talk with Records. 7.25—March and Waltz Records. 8.0—"Ellák"—Tragedy (Harsányi). 9.50—News. 10.10—Bura Cigány Band. 10.50—News (French, Italian). 11.0—Fifth Symphony (Tchaikovsky) by the Opera Orchestra. Conductor: Rajter; 12.5 a.m. (Thursday)—News.

BUDAPEST (No. 2)

(Hungary)

359.5 kc/s (834.5 m.); 13 kW. 6.20 p.m.—Talk. 6.50—Ilona Tull (Cello). Sonata in F (Strauss). Habanera (Ravel). 7.25—To be announced. 8.0—Dance Records. 9.0—News.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 5.30 a.m. 12.0 noon—Orchestra. 1.0 p.m.—News. 1.15—See Stuttgart. 2.0—News. 2.15—Frankfurt Variety from the

Radio Exhibition. 3.0—For Children. 3.45—Markets. 4.0—Genealogy. 4.30—Orchestra. 5.30—Topical. 6.0—Zapater (Guitar) and Delselt (Pfte.). 6.30—The Song of the "Edda". 6.45—Opera Records. 7.45—Snapshot. 8.0—News. 8.10—Frankfurt Programme from the Berlin Radio Exhibition. 9.0—"Words and Music" (arr. Wippermann and Haletzki), with the Station Orchestra. 10.0—Time; News. 10.20—Report: The International Light Athletics Festival in Cologne. 10.35—Grape (Pfte.). Variations (Neffe). Sonata in A (Sterkel). 11.5-12.0 m't.—Music from Breslau.

DEUTSCHLANDSENDER

(Germany)

191 kc/s (1,571 m.); 60 kW. Transmits at intervals from 6.0 a.m. 12.0 noon—See Breslau. 1.45 p.m.—News; Variety. 2.10—See Frankfurt. 3.0—Announcements. 3.15—Records. 4.0—See Frankfurt. 6.0—Sonata (Draescke) by Heinke (Clarinet) and Ilse Grubich (Pfte.). 6.25—Humour. 6.45—Talk. 7.0—Variety Programme for the Fiftieth Birthday of the Gramophone. 7.45—Topical. 8.0—Motto; News. 8.10—Frankfurt Programme from the Berlin Radio Exhibition. 9.0—An August Calendar. 10.0—News. 10.20—See Cologne. 10.35-10.45—Trio for Two Flutes and a Cello (Haydn). 11.0-12.0 m't.—Dance Records.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Cassel, etc. See Sunday. Transmits at intervals from 6.0 a.m. Frankfurt Day at the Berlin Radio Exhibition. 12.0 noon—Marches by a Military Band from the Radio Exhibition. 1.0 p.m.—News. 1.15—Marches (contd.). 2.0—News. 2.10—Variety from the Radio Exhibition. 3.0—Industrial News. 3.15—Folk Songs of Hesse, the Moselle Country, the Odenwald, etc., from the Radio Exhibition. 4.0—Concert from the Radio Exhibition. Frankfurt Station Orchestra and Choir. Conductor: Kullmann. Berlin Station Orchestra. Conductor: Rosbad, Coda Wackers and Maria Madlen Madsen (Sopranos), Tefner and Herrmann (Tenors) and Gonszar (Baritone). 6.0—Topical Talks. 7.0—"Echoes of the Homeland"—A Trip from the Hoher Meissner to Lake Constance, from the Radio Exhibition. 9.0—Time; News. 9.15 (from Freiburg)—A Freiburg Serenade by Günther Thellacker and his Chamber Orchestra. Overture Suite for Strings and Harpsichord (Erlbach). Symphony for Two Flutes, Two Horns, Strings and Harpsichord (Frederick the Great). Serenade for Strings (Biber). 10.0—Time; News. 10.20—See Cologne. 10.35—Music from Breslau. 12.0 m't.-1.0 a.m. (Thursday)—See Stuttgart.

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW. Bremen, etc. See Sunday. Transmits at intervals from 5.45 a.m. 12.0 noon—See Frankfurt. 1.5 p.m.—Topical. 1.15—See Frankfurt. 2.0—News; Music. 3.0—Shipping. 3.15—Industrial News. 3.25—Records. 4.0—See Frankfurt. 6.0—Talk. 6.15—Songs (Grieg) by Moja Petrikowski. Norwegian story in the interval. 6.45—Shipping. 7.0—See Frankfurt. 9.0—News. 9.10—Gregor (Cinema Organ). 9.25—Records: "Cello Concerto in B minor (Dvořák) by Cassadó and the Berlin Philharmonic. 10.0—News. 10.15—Report: The Tennis Championships. 10.30-12.0 m't.—Dance Music from Breslau.

HILVERSUM (1,875 m.)

(Holland)

160 kc/s; 10 kW until 7.40 p.m.; 150 kW from 7.40 p.m. VARA Programme. 7.40 a.m.—Records. 9.10—Talk. 9.40—VPRO Religious Programme. 10.0—Cabaret (Recorded), Records and Talk. 11.40—Records. 12.10 p.m.—Steyn (Organ). 12.40-1.25—"The Fantasia." Conductor: Walis. 1.40—Talk. 1.45—Records. 2.40—Oberstein (Cello) and Contran (Pfte.). 3.10—For Children.

4.10—Records. 4.40—"The Fantasia." Conductor: Walis. 5.40—Steyn (Organ). 6.10—RVU Talk. 6.45—Choir. Conductor: Tiggers. 7.10—VPRO Talk. 7.40—News. 7.55—Records. 8.40—To be announced. 9.10—Florence de Jong (Organ). 9.40—News. 9.45—Report. 10.10—Ramblers Dance Band. Conductor: Masman. 11.10-11.40—Records.

HILVERSUM (301.5 m.)

(Holland)

995 kc/s; 15 kW until 7.40 p.m.; 60 kW from 7.40 p.m. NCRV Programme. 7.40 a.m.—Bible Reading; Meditation; Records: Sacred Music. 8.10—Records; at 9.10—Greetings. 10.10—Religious Programme. 10.40—Van der Horst Ensemble; at 11.40—News; Records. 1.10 p.m.—Records. 1.40—Zanglust Children's Choir Conductor: Zwaan. Kroezee (Pfte.). In the interval, Records. 2.40—Bible Reading. 3.10—Records. 3.25—Guit (Pfte.). 4.40—For Children. 5.40—Talks; News; Records; Report. 7.40—News. 7.55—Concert. The Melody Singers and the Meyerbeer Wind Band. Conductor: Langeweg; at 8.40—Talk. 9.35—News. 9.50—Houtman (Organ). 10.40-11.40—Records; Bible Reading.

KALUNDBORG (Denmark)

(Denmark)

240 kc/s (1,250 m.); 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.). Transmits at intervals from 7.0 a.m. 12.0 noon—Bendix String Ensemble. 2.50 p.m.—Preil's Ensemble; at 3.40—Reading. 4.50—Wireless Notes. 5.25—Weather; Exchange; Markets. 5.50—Records. 6.20—Talk: The New Folk School Law. 7.0—News; Report. 7.30—For Farmers. 8.0—Heise and Lange-Müller Songs by Thøger Rasmussen. 8.20—Danish-Argentinian Boys talk about the Argentine. 8.50—Wagner Music. Radio Orchestra. Conductor: Grøndahl. Prelude and Procession, "Lohengrin." Siegfried's Rhine Journey, "The Dusk of the Gods." Overture, "The Flying Dutchman." 9.35—A Visit to Rønne, Bornholm. 10.0—News. 10.20—Symphony (Schierbeck) by the Radio Symphony Orchestra. Conductor: Grøndahl. 11.10 p.m.-12.30 a.m. (Thursday)—Skalka Dance Band; at 12.0 m't.—Chimes.

KÖNIGSBERG (Heilsberg)

(Germany)

1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.). Transmits at intervals from 6.0 a.m. 12.0 noon-2.0 p.m.—See Stuttgart. 2.0-3.0—News; Talk; Variety. 3.20—For Women. 3.30—Song Riddles and Rhymes. 3.50—Sports. 4.0—See Frankfurt. 6.6—Talk. 6.20—"The Beautiful World"—Station Choir and Orchestra. 6.50—Announcements. 7.0—Humorous Rhymes. 7.30—Where are you, Comrade? 8.0—News. 8.10—Marches and Dances. Station Orchestra. Conductor: Wilken. 9.0—"Amusing Experiences" (Reisner). 10.0—News. 10.20—Talk: Contemporary Norwegian Literature. 10.40-12.0 m't.—Music from Breslau.

LAHTI (Finland)

(Finland)

166 kc/s (1,807 m.); 150 kW. Relayed by Helsinki, 895 kc/s (335.2 m.). Transmits at intervals from 7.5 a.m. 5.0 p.m.—Songs and Tales for Children. 6.0—News (Finnish, Swedish). 6.15—Report. 6.40—Radio Choir. 7.0—Talk. 7.25—Revue from Kuopio. 7.55—Light Music. 8.45—News (Finnish, Swedish). 9.10—Report: The International Shooting Championships at Helsinki. 9.40-11.0—Dance Records.

LEIPZIG (Germany)

(Germany)

785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.). Transmits at intervals from 5.50 a.m. 12.0 noon—Military Band from Penig. 1.0 p.m.—News. 1.15—See Frankfurt. 2.0—News; Exchange; Records. 3.15—Talk.

3.35 — Songs and Music by Hitler Youth. 4.0—See Frankfurt. 6.0—Talk. 6.20—Books. 6.30—Polack (Pfte.). 6.50—Topical. 7.0—See Frankfurt. 9.0—News. 9.15 (from Dresden)—Music on Old Instruments. Hanna Gruhnert (Soprano), Kohlschütter (Viola da Gamba), Gertrud Birke, Walter Birke and Thea Hampe (Recorders), Hentschel (Flute), and Chartoflax (Mandore); Sonata for three Recorders (Mattheson). Sonata in D for Viola da Gamba and Harpsichord (Albinoni). Songs (Hassler, Lechner). Trio Sonata in G minor for Recorders, Harpsichord and Viola da Gamba (Schickhard). Mandore and Harpsichord: Adagio and Sonata (Beethoven) Sarabande and Bourrée from the English Suite (Bach). Soprano: Gedanken an Phyllis (Handel). Mandore and Harpsichord: (a) Siciliana (Pergolesi), (b) Marinareca (Rossini). Trio Sonata in C for Recorder, Flute and Harpsichord (Quantz). 10.30—News. 10.50-12.0 m't.—Dance Music from Breslau.

LILLE (Radio PTT Nord) (France) 1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.30 a.m. 5.0 p.m.—Jouglat (Organ). 6.30—Report: The Cycle Tour of France. 6.45—Talk (English). 7.0—Topical. 7.30—Economics Talk. 7.45—Record: Ave Maria (Schubert). 7.50—For Gardeners. 8.0—Mme Fourneau and Namur (Songs). 8.30-10.30—See Paris (PTT). 10.30—News.

MONTE CENERI (Switzerland) 1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 12 noon. 7.25 p.m.—Report: The Cycle Tour of Switzerland. 7.45—News. 8.5—Richard Strauss Concert from the Salzburg Festival (for details, see Vienna). 9.5-9.30—Dance Records.

MOSCOW (No. 1) (Russia) 172 kc/s (1,744 m.); 500 kW. 5.30 p.m.—Concert. 6.0—Talk. 6.30—Music and Literature. 7.30—Literary Programme. 8.0—Concert. 9.0—Czech Programme. 9.55—Kremlin Chimes. 10.5—English Talks: (a) Foreign Affairs — Effects of the Policy of Concession to Aggressors, (b) Socialist Property in the U.S.S.R. 11.0—German Programme. 12.0 m't.—Spanish Programme.

MUNICH (Germany) 740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.). Transmits at intervals from 6.0 a.m. 12.0 noon—See Frankfurt. 1.0 p.m.—News; Records. 1.45—News. 2.10—See Frankfurt. 3.0-3.20—Reading. 4.0—Poems. 4.10—German Songs. Emma Mayer and Leonhard Schmid (Songs), Haagen (Pfte.). 4.40—Talk. 5.0—Variety. Schneider Band, Songs, Duets, Zither, Accordions. 6.30—For Farmers. 6.45—Talk. 7.0—Light Orchestral. Mihalovic (Violin), Troibner (Cello). Overture, "Donna Diana" (Reznicek). Little Serenade (Müller). Clog Dance, "Tsar and Carpenter" (Lortzing). Violin: Romance (Svendson). Canzone della pastorella (Cortopassi). Hydropathen-Walzer (Gungl). Cello: Scherzo (van Goens). Moonlight Serenade (Bullerian). Violin Polka (Ritter). Love's Dream after the Ball (Czibulka). Suite, Südtich der Alpen (Fischer). 8.0—Records. 9.0—News. 9.10—"A Family Tree in Music and Verse" — Poem by Anton Schnack; Music by Kleine. Adalbert Huber, Gerhard Heine and Paul Metz (Violins), Troibner (Cello), Laberer (Clarinet), Kleine (Pfte.). Fischer (Speaker). 10.0—Time; News. 10.20-12.0 m't. (from Nürnberg)—Serenade, Overture, "Der Fest der Infantin" (Gebhardt). Slav Dance (Hoffmann). Allegro moderato and Allegro maestoso (Dvořák). Selection, "La Bohème" (Puccini). Intermezzo (Bottacchiari). European Ballet (Leuschner). Adagio non troppo and Perpetuum mobile (Ries). Italian Serenade (Knümann).

Selection, "The Hermit's Bell" (Maillart). Waltz, Nordsee-stürme (Döring). Serenade (Friedemann).

OSLO (Norway) 260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday. Transmits at intervals from 10.5 a.m. 5.15 p.m.—Records. 6.25—For Boys. 7.0—News. 7.30—Time. 7.40—Harp. 8.0—Reading. 8.55—Station Orchestra, with Alice and Walter Frey. Conductor: Kramm. 9.40—News. 10.0—Report: International Shooting Championships at Helsinki. 10.15—11.0—Variety.

PARIS (Eiffel Tower) (France) 1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 7.30 a.m. 8.0 p.m.—Television. 8.30 (also for Lyons (PTT))—"Bava l'African"—Play (Zimmer) by the Odéon Players.

PARIS (Poste Parisien) (France) 959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m. 12.0 noon—Exchange. 12.5 p.m.—Records; at 12.35—Exchange. 12.55—Songs. 1.15—Records. 2.0, 3.45 and 4.35—Exchange. 6.0—Exchange. 6.5—Ballet Suite (Grétry) by the Symphony Orchestra. Conductor: Coppola (Recorded). 6.53—News. 7.25—Records: Light Music. 7.40—Talk: Electricity. 7.50—Oboe and Violin Records. 8.0—Topical. 8.5—La bonne histoire. 8.20—Nadia Mitrova (Songs). 8.35—Records. 8.50—Talk. 9.0—News. 9.10—Sketch (Diamant-Berger). 9.55—News. 10.0-11.0—Records.

PARIS (PTT) (France) 695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.30 a.m. 2.30 p.m.—Concert for the Blind. In the interval, "L'histoire d'une mère"—Play after Andersen (Casta). 3.30—Light Music from Vichy Casino. Conductor: Brun. 4.50—Film Song Records. 5.20—Reading (Andersen). 5.40—Medical Talk. 5.55—Talk. 6.0—Records. 6.15—Sophie Cheiner (Pfte.). Polonaise in E minor (W. F. Bach). Sonata (Scarlatti). Conte (Mehmer). Impromptu (Scriabin). 6.30—Sauteret (Songs). 6.45—Jane Mustel (Songs). 7.0—News; Topical. 8.0—Variety. 8.30—"L'air du pays"—Fantasy (Martel) by Jeanne Andral and the Author. 9.0—"Le Campanile" Choir. Il est bel et bon (Passereau). Querelle d'amour (d'Indy). Les cordonniers (Pieme). Le Cordier (arr. Duhamel). 9.30—Chamber Music by the Amati Quartet, Hubeau (Pfte.) and Germaine Cernay (Songs). Pfte.: "Amadis de Gaule" (Lully), (b) Pastorale (Purcell). Pfte.: Deux pièces en forme de mazurka (Aubert). Songs (Franck, Erlanger, d'Indy). Quartet in C minor (Brahms). 10.30—News. 10.45—Topical.

PARIS (Radio-Paris) (France) 182 kc/s (1,648 m.); 80 kW. Time signals at 7.15 a.m., 12.30 p.m., 8.30 p.m., and 10.45 p.m. 6.50 a.m.—Records; at 7.0—Gym. 7.30—News. 8.0-8.30—Records. 10.15—Records. 11.50—Music Review by Wanda Landowska. 12.0 noon—Light Music by the Visciano Orchestra. 12.15 p.m.—Talk. 12.30—Light Music (contd.). 1.15—Nelly Veix (Songs). 1.30—News. 1.45—Light Music (contd.). 2.0—"Balls"—Records. 2.30—Kings in Music—Records. 3.0—Records: Symphonic Music, 3.30—Singing (Violin). 3.45—Dispan de Floran (Songs). 4.0—Politics. 4.20—Humorous Stories. 4.30—Science Talk. 4.45—Reading (du Gard). 5.0—Light Orchestral. Conductor: André. 6.0—Talk: Youth and Peace. 6.15—Talk; Flaubert. 6.30—Talk: Folklore and Literature. 6.45—Talk: The French Theatre. 7.0—Lecture-Recital: Seventeenth Century Italian Harpsichord Music. Toccata, Ballo del gran duca (Frescobaldi). Canzone (Rossi). Sonata (Marcello). 7.30—Mlle Astrella (Songs). Aria, "Judas Macabaeus" (Handel). Aria, "Phœbus and Pan" (Bach). Chinoiserie (Gallon). Sönnnet (Gallon).

7.45—Kagan (Pfte.). Fugue in E minor (Bach). Intermezzo in E flat minor (Schumann). Two Moments musicaux (Schubert). Intermezzo in A (Brahms). Caprice in B minor (Brahms). 8.0—Politics. 8.15—Talk: Descartes. 8.30—"L'Ecole des maris" (Bondeville) from the Casino. Vichy. Cast: Marguerite Bellan, Jean-Viculle, Vidal and Calbet; at 9.30 (approx.)—News. 10.30—Records: Nocturnes (Debussy). 10.45—News.

PRAGUE (Czechoslovakia) 638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 6.0 a.m. 4.10 p.m.—See Bratislava. 4.50—Photography Hints. 5.5—Herman Schrammel Ensemble. 5.40—Krepelka-Laube (Beethoven and Tomásek Songs). 6.0—For Farmers. 6.5—German Transmission: Henriette Clanner (Songs) and Victor Czapka (Pfte.); For Workers; Announcements. 6.45—News (German); Record. 7.0—News. 7.10—Political Talk. 7.20—See Brno. 8.20—Dvořák Song Records. 8.35—See Brno. 8.50—See Bratislava.



Richard Strauss, whose music is to be broadcast by several stations from Salzburg Festival at 8.5 p.m.

9.25—Czech Dances (Smetana) by Firkusny (Pfte.). 9.55—Record. 10.0—News. 10.20—Records. 11.0-11.15—News (French).

RADIO-MÉDITERRANÉE (France) 1,276 kc/s (235.1 m.); 27 kW. Transmits at intervals from 12.15 p.m. 7.0 p.m.—Cycling Notes. 7.25—Amusement Guide; For Children. 7.30—Request Programme. 7.40—Light Music. 8.0—News; Exchange. 8.15—La boîte à Joujou (Debussy). 8.30—Light Music. 9.5—Weather. 9.10—Variety. 10.0—News. 10.15—Dance Music.

RADIO-NORMANDIE (France) 1,113 kc/s (269.5 m.); 15 kW. 6.45 a.m.—Military Band. 7.0—News. 7.45—Joe Murgatroyd. 8.0—Light Music. 8.30—Records. 8.45—Songs. 9.0—Dance Music. 9.15—Favourite Songs. 9.30—Popular Songs. 9.45—Alfredo Campoli and his Orchestra. 10.0—Light Music. 10.15—Records. 10.30—Light Music. 10.45—Records. 11.0—Classical Music. 12.0 noon—Records of Ninon Guérald. 12.20 p.m.—Concert; at 12.35—News. 2.0—Light Music. 2.30—Report: The Paris Exhibition. 2.45—Records. 3.0—Light Music. 3.30—Records. 4.0—Light Music. 5.30—Current London Productions. 6.0—Children's Corner. 6.45—Talk; News; Racing Results. 7.0—Concert. 7.40—News. 8.0—Records of Fritz Kreisler (Violin). 8.20—Variety. 8.40—Records of Paul Monti. 9.0—Concert. 12.0 m't.—Midnight Melodies. 12.30-1.0 a.m. (Thursday)—Dance Music.

REYKJAVIK (Iceland) 208 kc/s (1,442 m.); 16 kW. Transmits at intervals from 12.0 noon. 9.10 p.m.—Weather (Icelandic, German, English). 9.20—Light Music. 9.55—Announcements. 10.0—Time; News. 10.30—Talk. 10.55—Radio Orchestra. 11.30—Violin Sonata in C minor (Grieg).

ROME (Italy) 713 kc/s (420.8 m.); 50 kW. Naples, etc. See Sunday. Transmits at intervals from 7.45 a.m. 5.0 p.m.—News. 5.15-5.50—Chamber Music. Margherita Cossa (Soprano), Salvatore Patti (Flute), Decio Fiorini (Oboe), Paolo Ufirini (Clarinet) and Renato Josi (Pfte.). Five Songs, Sonata (Milhaud). 6.50—Talk. 7.0—Talk (German); Light Music; Announcements. 7.53—News in Foreign Languages. 8.10—News. 8.30—Government Notes. 9.0—Band, Conductor: Cirenei. Overture, "Olimpia" (Spontini). Excerpts, "Norma" (Bellini). Selection, "Lucrezia Borgia" (Donizetti). Chorus, "William Tell" (Rossini). Pregariera, "Mosè" (Rossini). Overture, "Nebuchadnezzar" (Verdi). In the interval, Talk. 10.15—Talk. 10.25—Polyphonic Choir, Conductor: Somma. Music by Palestrina, Banchieri, Monteverdi, Gastoldi, Spontini, and Vecchi. 11.0—News. 11.15—News (English). 11.30-11.50—Dance Music.

SOTTENS (Switzerland) 677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.). 12.30 p.m.—News. 12.40-1.30—See Beromünster. 4.45—Records. 5.15—The Cycle Tour of Switzerland. 5.45—Records. 6.45—Interlude. 7.0—Talk. 7.10—Interlude. 7.25—Micro-Magazine. 7.50—News. 8.0—The Cycle Tour of Switzerland. 8.35 (from Geneva)—Music of the Renaissance by the Geneva Motet Choir. D'une colline m'y prouenant (Claude Le Jeune). Qu'est devenu ce bel oeil (Claude Le Jeune). The Bird (di Lasso). Petite Camusette (Josquin des Prés). Era l'anima mia (Monteverdi). A che torni il ben mio (Monteverdi). 8.50—Radio Suisse romande Orchestra. Conductor: Haug. Intrada (Hassler). Symphony in D (Ph. B. Bach). 9.20 (from Geneva)—Modern Music by the Geneva Motet Choir. Madrigal Spirituel (Gagnébin). Nicolette (Ravel). Le Brick (Milhaud). Dieu qu'il la fait bon regarder (Debussy). Yver, vous n'estes qu'un villain (Debussy). 9.35—Radio Suisse romande Orchestra. Conductor: Haug. Pavane pour une Infante défunte (Ravel). Echo des Montagnes polonaises (Zak). Comedy Overture (Hamilton Harty). 10.0—Hot Jazz. 10.25-10.30—Report: The International Shooting Championships at Helsinki.

STOCKHOLM (Sweden) 704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday. Transmits at intervals from 7.45 a.m. 5.5 p.m.—Jämtland Folklore and Music. 5.30—Reading. 5.55—Records. 6.55—Report from Helsinki: The International Shooting Championships at Helsinki. 7.15—News. 7.30—Talk: Modern Books. 8.0—Göteborg Gardens Orchestra. Conductor: Asti. Overture, "The Bohemian Girl" (Balfe). Waltz, "The Rose of Stamboul" (Fall). Potpourri of Russian Music (Eberle). Rose-mousse (Bosc). Selection, "The Carnival Fairy" (Kálmán). 9.0—Report. 9.45—News. 10.0—Radio Dance Band. 11.0-11.5—Report: The Chess Tournament.

STRASBOURG (France) 859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m. 6.0 p.m.—Lucie Rauh (Songs). 6.30—Tourist Talk. 6.45—Records. 7.0—Topical. 7.30—Economics Talk. 7.45—News. 8.5—Richard Strauss Concert from the Salzburg Festival (for details see Vienna); at 9.5—News (German). 9.45—To be announced. 10.30—Topical. 11.0—News (German).

STUTTGART (Germany) 574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m. 12.0 noon—Orchestra. 1.0 p.m.—News. 1.15—Orchestra (contd.). 2.10-3.0—See Frankfurt. 4.0—German Folk Songs from the Radio Exhibition (Recorded). 4.45—Programme from Frankfurt. 6.0—Topical. 7.0—See Frankfurt. 9.0—News. 9.15—"In Praise of Summer"—Lyric Suite (Schneider). 10.0—Time; News.

WEDNESDAY (August 4)

10.30—Portuguese Concert. 11.0—Music from Breslau. 12.0 m't.-1.0 a.m. (Thursday)—Serenade. Station Orchestra and Fehse Quartet. Overture, "Napoleon" (Schilling). Pfte. Music No. 4 (Schäfers) by the Composer. String Quartet in F (Dvořák).

TOULOUSE (Radio-Toulouse) (France) 913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.30 a.m. 7.0 p.m.—Excerpts, "Nina-Rosa" (Romberg). 7.15—News. 7.40—Light Music. 7.50—Variety Concert from the Salle Pleyel, Paris. 9.15—"Zou voilà le Midi"—Fantasy. 9.45—Pecant Band. 10.0—News. 10.15—Film Music. 10.35—Marches. 10.50—Operetta Airs, "Toi c'est moi" (Simons), "Au temps des Merveilles" (Christiné), "Le belle Héleine" (Offenbach), "Les sœurs Hortensias" (Moretti). 11.0—Orchestra. 11.15—Songs. 11.35—Light Music. 11.50—Announcements.

TURIN (No. 1) (Italy) 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday. Transmits at intervals from 7.45 a.m. 5.0 p.m.—News. 5.15-5.50—Dance Music. 6.50—Talk. 7.0—Light Music. Station Orchestra, Conductor: Salerno. 7.40—News in Foreign Languages. 8.10—Time; News. 8.30—Government Notes. 9.0—"Stenterello" (Cuscina). Conductor: Gallino. In the interval, Talk; Announcements. 11.0—News. 11.15-11.50—Dance Music.

VIENNA (Austria) 592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday. Transmits at intervals from 6.45 a.m. 5.35 p.m.—Contemporary Austrian Music. Rose Merker (Soprano), Emmy Zopf (Pfte.). Part I, Soprano Songs (Danberg). Mondnacht. Feierabend. Wir drei. Vagantenliedchen. Part II, Bauerneid Music. Pfte. Dance Suite. Songs, the Composer (Pfte.): (a) Es gibt so wunderweisse Nächte, (b) Sonnenuntergang, (c) Das Schöne, (d) O süsser Traum, (e) Sommerregen, (f) Verklärter Herbst. 6.20—For Photographers. 6.30—Talk: The Austro-German-Italo Expedition to Iceland 1935-36. 7.0—News. 7.25—Reading. 7.45—Hahn and Klein (Pfte. Duo). 8.5—Salzburg Festival. Richard Strauss Concert from the Mozarteum, Salzburg. Vienna Philharmonic. Conductor: Knappertsbusch. Symphonic Poem, Don Juan. Thus spake Zarathustra. Symphonic Poem, Till Eulenspiegel's Merry Pranks; at 9.5—Talk by Dr. Bernhard Paumgartner: This Evening's Concert. 9.45—Station Dance Band; at 10.10—News. 10.55—News. 11.0-11.30—Viennese Music by the Station Schrammel Ensemble.

WARSAW (Poland) 224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday. Transmits at intervals from 6.15 a.m. 12.3 p.m.—News. 12.15—For Farmers. 12.25-1.0—Lodz Salon Orchestra. 3.45—Economics. 4.0—Sketch. 4.15—Herman (Violin) and Bedewicz (Tenor). Violin: (a) Melody (Gluck-Kreisler), (b) Variations (Corelli-Tartini-Kreisler). Song, "Der Freischütz" (Weber). Violin: (a) Waltz in E minor (Chopin-Huberman), (b) La Campanella (Paganini-Kreisler). Aria, "Lakmé" (Delibes). 4.45—Talk. 5.0—Salon Orchestra. Conductor: Kowalski. 5.50—Talk. 6.0—Topical. 6.15—Records: Heykens and King Music by the Mark Weber and the Albert Sandler Orchestras. 6.50—Topical. 7.0—Records of Famous Conductors. 7.50—Sports. 8.0—Vocal Quartet. 8.45—News. 8.55—Topical. 9.0—Chopin Pfte. Recital by Lukaszewicz. Barcarolle in F sharp. Mazurka in F sharp minor. Impromptu in F sharp. Ballad in G minor. Berceuse in D flat. Mazurka in B. Scherzo in B minor. 9.45—Reading. 10.0—Dance Music. Station Orchestra and Quartet. Conductor: Gorzynski. 10.50-11.0—News.

THURSDAY August 5

4 p.m.

BRESLAU, Orchestra.
HAMBURG, Orchestra.
KALUNDBORG, Orchestra, 4.50—Notes; Poem. **KÖNIGSBERG**, Concert.
MUNICH, COLOGNE, DEUTSCHLANDSENDER, FRANKFURT, LEIPZIG, and STUTTGART, 4.10—"A Rucksack-full"—Programme from the Radio Exhibition.
RADIO-NORMANDIE, Light Music. 4.30—Variety. **RADIO-PARIS**, Reading, 4.20—Talks. 4.45—"Le Philosophe sans le savoir"—Play (Michel).
WARSAW, 4.15—Chamber Music. —Cracow Quartet. 4.55—Talk.

5 p.m.

ATHLONE, 5.30—Army Bands and Interviews from the Royal Dublin Society Show.
BERLIN, Haass Recital. The Composer (Pfte.), Melanie Wolf (Violin). 5.30—"Death is no Scoundrel"—A True Incident (Hartmann). **BRESLAU**, Books. 5.10—Orchestra. **BRUSSELS (1)**, Music Lesson. 5.30—Records. **BRUSSELS (2)**, Orchestra. In the interval, Records. 5.45—For Children. **BUDAPEST (1)**, Talk. 5.30—Verdi Records.
EIFFEL TOWER, "The Mastersingers" (Wagner) from Salzburg.
HAMBURG, Orchestra. 5.15—Little-known Germany. **HILVERSUM (1,875 m.)**, 5.10—The Octophonikers. **HILVERSUM (301.5 m.)**, Records. 5.25—Tenor, Pfte.
KALUNDBORG, Talk; Notes. 5.50—Records. **KÖNIGSBERG**, Sports; Concert.
MOSCOW, 5.45—Concert. **MUNICH, COLOGNE, DEUTSCHLANDSENDER, FRANKFURT, LEIPZIG, and STUTTGART**, "A Rucksack-full" (contd.).
PARIS (PTT), Old Dance Music—Andolfi Orchestra.
RADIO-NORMANDIE, For Children. 5.30—Light Music. **RADIO-PARIS**, Play (Michel) (contd.); "The Romance of an Hour"—Play (Hoffmann). **ROME**, News. 5.15—Concert from Rio de Janeiro.
SOTTENS, and **BEROMONSTER**, Light Musical; at 5.35—Records of French Music. **TURIN**, News. 5.15—Mezzo-Soprano, Tenor.
WARSAW, Talk. 5.10—Symphony (Beethoven) (Records). 5.50—Sports.

6 p.m.

ATHLONE, Bands, etc. (contd.). 6.30—News. 6.40—Talk. 6.55—Act II, "Mastersingers" (Wagner) from Salzburg.
BERLIN, Records. **BEROMONSTER**, Notes. 6.30—Records. 6.50—Talk. **BRESLAU**, Reading. 6.20—"The World of Nature." 6.30—Topical. 6.50—Notes. **BRUSSELS (1)**, Talk. 6.15—Orchestra. **BRUSSELS (2)**, For Children. 6.30—Records. 6.45—Talk. **BUDAPEST (1)**, Lotteries.
COLOGNE, Violin and Pfte. Sonata in A (Pizzetti). 6.20—Report. 6.50—Wind Band.
DEUTSCHLANDSENDER, Cello and Pfte. Sonata (Grieg). 6.25—Caruso Records. 6.45—Talk.
EIFFEL TOWER, "The Mastersingers" (contd.).
FRANKFURT, Topical Talks.
HAMBURG, "Song of the Heath." 6.25—Report. 6.45—Notes. **HILVERSUM (1,875 m.)**, The Octophonikers. 6.10—Records. **HILVERSUM (301.5 m.)**, Tenor, Pfte. 6.25—Talk; News.
KALUNDBORG, Banjo. 6.20—Talk. **KÖNIGSBERG**, Reading. 6.10—Cello, Pfte. 6.50—Notes.
LEIPZIG, Books. 6.50—Music. 6.30—Reading. 6.50—Review.
MOSCOW, Operetta. **MUNICH**, Notes. 6.10—"Gelähmte Schwingen"—Comedy (Thoma). 6.45—Otto Willi Gail visits the Radio Exhibition.
PARIS (PTT), Organ. 6.30—Mme Martinet-Dumont (Pfte.) (Solér, Falla, Stravinsky). 6.45—For Farmers.

RADIO-NORMANDIE, Orchestra. 6.45—Talk; News. **RADIO-PARIS**, Play (Hoffmann) (contd.). 6.30—Talks.
SOTTENS, Records. 6.30—The Cycle Tour of Switzerland. **STRASBOURG**, 6.15—Light Orchestral. **STUTTGART**, Topical Programme.
WARSAW, 6.5—Talk; Notes. 6.15—Records. 6.50—Talk.

7 p.m.

ATHLONE, "The Mastersingers" (contd.).
BERLIN, Evening Echoes. 7.20—Trios (Sixt, Mozart). **BEROMONSTER**, Notes. 7.10—Records. 7.20—Talk. 7.45—News. 7.55—The Cycle Tour of Switzerland. **BRESLAU**, Programme by a Labour Service Band, Choirs and Speakers. **BRNO**, 7.10—Dialect Folk Play. **BRUSSELS (1)**, For Workers. 7.15—

8 p.m.

ATHLONE, Irish Radio Orchestra. 8.30—Talk. 8.45—Traditional Songs.
BERLIN, News. 8.10—Dance Music. **BEROMONSTER**, Cycle Tour of Switzerland. 8.15—Dialect Programme. **BRATISLAVA**, Military Band. 8.40—See Prague. **BRESLAU**, Labour Service Programme (contd.). **BRUSSELS (1)**,

Concert by the Karlsbad Municipal Orchestra. Conductor: Manzer. Berka ('Cello) (Moyzes, Finke, Ridky).
RADIO-NORMANDIE, Operetta Music. **RADIO-PARIS** and **STRASBOURG**, "Tristan and Isolda" (Wagner) from the Casino, Vichy. **ROME**, News in Foreign Languages. 8.10—News. 8.30—Talk.
SOTTENS, The Cycle Tour of Switzerland. 8.35—Hot Jazz Records. **STOCKHOLM**, Talk. 8.20—Radio Orchestra, Songs. **STUTTGART**, "I'm off on my Travels"—Humorous Voyage of Discovery with Abert Hafele.
TOULOUSE, Light Music.
TURIN, News in Four Languages. 8.10—News. 8.30—Talk. 8.40—Music.
VIENNA, Military Band. 8.25—A Musical Menu.
WARSAW, Wilno Orchestra. 8.50—News.

9 p.m.

ATHLONE, Can these make you laugh? 9.30—Variety.
BERLIN, Dance Music. **BEROMONSTER**, Dialect Programme.

10 p.m.

ATHLONE, Variety. 10.30—News.
BEROMONSTER, Light Music.
BRATISLAVA, See Prague. 10.20—News (Hungarian). 10.35—Records. **BRUSSELS (1)**, News. 10.10—Records. **BRUSSELS (2)**, Concert (contd.). 10.40—Pater noster. 10.50—News. **BUDAPEST (1)**, Cigány Band. 10.30—Einar Norrby (Songs).
COLOGNE, News. 10.30—Symphonies (Brahms, Berlioz).
DEUTSCHLANDSENDER, News. 10.30—Serenade—Pfte. Etudes (Debussy, Liszt).
EIFFEL TOWER, "The Mastersingers" (contd.).
HILVERSUM (1,875 m.), Orchestra, etc. (contd.). 10.40—News. 10.50—Dance Music. **HILVERSUM (301.5 m.)**, Orchestra, etc. (contd.). 10.10—Records.
KALUNDBORG, News. 10.15—Svendsen and Grieg Music—Orchestra, Songs. **KÖNIGSBERG**, News. 10.20—Talk. 10.35—Light Music and Dance Music.
LEIPZIG, Lore Fischer (Old Folk Songs). 10.30—News. 10.50—Music from Stuttgart. **LILLE**, Concert (contd.). 10.30—News.
MARSEILLES, Play (contd.). 10.30—News. 10.45—Dance Music. **MONTE CENERI**, "Don Pasquale" (Donizetti) (contd.). **MOSCOW**, 10.5—French Programme.
OSLO, Topical. 10.15—Light Music.

PARIS (PTT), Drama (contd.). 10.30—News. 10.45—Records.
POSTE PARISIEN, 10.5—News. 10.10—Records.
PRAGUE and **BRNO**, News. 10.20—Report from Antwerp: The International Workers' Olympiad. 10.30—Records.
RADIO-NORMANDIE, Exhibition Programme (contd.).
RADIO-PARIS and **STRASBOURG**, "Tristan and Isolda" (contd.). **ROME**, "Lucia di Lammermoor" (contd.).
SOTTENS, Records. 10.20—Talk. **STOCKHOLM**, Report. 10.5—Play. **STUTTGART** and **SOME GERMAN STATIONS**, News. 10.30—Light Orchestral.
TOULOUSE, News. 10.15—Light Music. **TURIN**, Play (contd.). 10.15—Popular Melodies.
VIENNA, Orchestra, etc. (contd.). 10.10—News. 10.20—Light Austrian Music. 10.55—News.
WARSAW, Two Pftes., Songs. 10.50—News.

11 p.m.

BUDAPEST (1), Station Orchestra.
COLOGNE, Serenade (contd.).
DEUTSCHLANDSENDER, Dance Records.
HILVERSUM (1,875 m.), Dance Music. **HILVERSUM (301.5 m.)**, Records; Bible Reading.
KÖNIGSBERG, Light Music and Dance Music.
MOSCOW, Spanish Programme.
RADIO-NORMANDIE, To be announced. **RADIO-PARIS** and **STRASBOURG**, "Tristan and Isolda" (contd.). **ROME**, "Lucia di Lammermoor" (contd.); at 11.10—News (English).
STOCKHOLM, Play (contd.).
STUTTGART and **SOME GERMAN STATIONS**, Light Orchestral.
TOULOUSE, Light Music.
TURIN, News. 11.15—Dance Music.
VIENNA, Light Austrian Music.

12 midnight

BUDAPEST (1), 12.5—News.
FRANKFURT and **STUTTGART**, Italian Music (Recorded).
RADIO-NORMANDIE, Midnight Melodies. 12.30—Dance Music.

PRINCIPAL EVENTS

SYMPHONY CONCERTS

8.55 Prague: Czech programme.
 10.30 Cologne: Brahms, Berlioz.

LIGHT CONCERTS

2.10 Hilversum (1,875 m.): Lajos Orch.
 2.50 Kalundborg: Radio Orchestra.
 4.10 Munich, etc.: A merry Bavarian prog.
 5.0 Paris (PTT): Andolfi Orchestra.
 6.15 Brussels 1: Loiseau Orchestra.
 7.0 Hamburg: Instrumental dances.
 7.25 Vienna: Military Band.
 8.0 Kalundborg: Eric Coates programme.
 8.0 Munich, etc.: Opera music.
 8.15 Beromünster: Swiss programme.
 8.25 Vienna: Variety, opera music (9.25).
 9.0 Deutschlandsender: Opera music.
 9.55 Hilversum (1,875 m.), Kovacs Lajos Orchestra, violin.
 10.15 Kalundborg: Svendsen, Grieg.
 10.20 Vienna: Popular Austrian programme.
 11.0 Budapest 1: Station Orchestra.
 12.0 Frankfurt, Stuttgart: Italian.

OPERAS

5.0 Eiffel Tower, Athlone (Act 2), National (Act 2): "The Mastersingers" (from Salzburg).
 8.0 Radio-Paris, Strasbourg: "Tristan."
 9.0 Rome: "Lucia di Lammermoor."

CHAMBER MUSIC

6.0 Deutschlandsender: Cello, pfte. (Grieg).
 7.20 Berlin: Trios (Sixt, Mozart).

RECITALS

6.0 Paris (PTT): Organ.
 6.10 Königsberg: 'Cello, pfte.
 7.55 Hilversum (1,875 m.): Organ, song, violin.
 9.15 Breslau: Sacred organ music.
 9.30 Kalundborg: Pfte. duet (Schubert).
 10.0 Leipzig: Folk songs.
 10.0 Warsaw: Pfte. duets, songs.

PLAYS

4.45 Radio-Paris: Classical Matinee.
 8.30 Paris (PTT): "Théroigne de Méricourt."
 8.45 Regional: "Bird in Hand."
 9.0 Sottens: Courteline comedy.
 9.0 Turin: "Gente in treno."

LAST NEWS BULLETINS, see Monday

DANCE MUSIC

9.15 Stuttgart; 10.25, Regional; 10.50, Hilversum (1,875 m.); 11.0, Deutschlandsender, National; 11.15, Turin; 12.30, Radio-Normandie.

MISCELLANEOUS

2.0 National: Eisteddfod.
 5.30 Athlone: The Dublin Show.
 8.40 Hilversum (1,875 m.), Warsaw (9.15): From Scouts Jamboree.

Records. 7.30—News. **BRUSSELS (2)**, Notes. 7.3—Records. 7.30—Notes. **BUDAPEST (1)**, Lotteries. 7.10—Budapest Concert Orchestra.

COLOGNE, Wind Band. 7.45—Snapshots.

DEUTSCHLANDSENDER, Hippmann Band, Maja Hart and Hermann Gees. 7.45—Topical.

EIFFEL TOWER, "The Mastersingers" (contd.).

FRANKFURT, See Munich. 7.50—Reading.

HAMBURG, Dance of the Instruments—Dance Band, etc. 7.45—Topical. **HILVERSUM (1,875 m.)**, Records. 7.10—From Texel Island. 7.40—News. 7.55—Palla (Organ), Karsmeyer (Songs) and Lensky (Violin).

HILVERSUM (301.5 m.), Records; Report. 7.40—News. 7.55—Amhem Orchestra, 'Cello.

KALUNDBORG, News; Report. 7.45—Talk. **KÖNIGSBERG**, Variety. 7.45—Topical.

LEIPZIG, Erzgebirge Variety—Workers' Choirs, etc.

MONTE CENERI, 7.45—News. 7.55—"Don Pasquale" (Donizetti) (Recorded). **MOSCOW**, Operetta (contd.). **MUNICH**, Folk Songs and Dances from the Radio Exhibition. 7.50—News.

OSLO, News. 7.30—For Farmers.

PARIS (PTT), News. **POSTE PARISIEN**, News. 7.20—Records. 7.35—Talk. 7.40—Records. 7.55—Les Frères Jacasse.

PRAGUE, News. 7.10—See Brno.

RADIO-NORMANDIE, Light Music. 7.40—News. **RADIO-PARIS**, 7.3—Mme Raymond Balay (Songs). 7.15—Berceuse, Dance and Sonatine (Maurice Franck) by Jeanne Dufour (Violin) and the Composer (Pfte.). 7.30—Mme Vales-

Darcy Orchestra. **BRUSSELS (2)**, Records of the Concert by the BBC Orchestra, from London. 8.45—Talk. **BUDAPEST (1)**, Orchestra (contd.). 8.20—Talk. 8.50—Dance Band.

DEUTSCHLANDSENDER, News. 8.10—Concert from Leipzig.

EIFFEL TOWER, "The Mastersingers" (contd.).

HILVERSUM (1,875 m.), Organ, Songs, Violin (contd.). 8.40—From the Scout Jamboree. **HILVERSUM (301.5 m.)**, Orchestra, etc. (contd.); at 8.40—Talk.

KALUNDBORG, Eric Coates Music. 8.30—From the Scout Jamboree.

LEIPZIG, Massed Bands and Choirs from the "Garden and Home" Exhibition, Dresden.

LILLE, 8.30—Concert from Toulouse (PTT).

MARSEILLES, 8.30—Prenez garde à la peinture" (The Late Christopher Bean)—Play (Fauchois). **MONTE CENERI**, "Don Pasquale" (contd.).

MOSCOW, Operetta (contd.).

MUNICH, COLOGNE, FRANKFURT, HAMBURG, KÖNIGSBERG, "The Magic of the Voice"—Concert from the Radio Exhibition. Zeesen Short-wave Station Orchestra. Conductors: Winter and List. Hildegarde Ranzcak (Soprano), Patzak (Tenor), Hann (Baritone).

OSLO, Pfte. and Viola. 8.40—Lecture Recital: Orchestral Instruments.

PARIS (PTT), Variety. 8.30—"Théroigne de Méricourt"—Drama (Hervieu). **POSTE PARISIEN**, Topical. 8.5—La bonne histoire. 8.20—Browning and Star. 8.35—Fashions. 8.38—Variety. 8.50—Talk. **PRAGUE** and **BRNO**, See Bratislava. 8.40—Talk. 8.55—Symphony

9.10—Talk. 9.15—Eysler Records. 9.40—Light Music. **BRESLAU**, News. 9.15—Organ. **BRUSSELS (1)**, Talk. 9.15—Darcy Orchestra. **BRUSSELS (2)**, Records. 9.30—BBC Orchestra. **BUDAPEST (1)**, Dance Band. 9.35—News. 9.55—Cigány Band.

DEUTSCHLANDSENDER, Favourite Overtures and Entr'actes—Orchestra. Conductor: Stange.

EIFFEL TOWER, "The Mastersingers" (contd.).

FRANKFURT, News. 9.15—"What do you think of this?"—Humorous Sequence.

HILVERSUM (1,875 m.), From the Scout Jamboree. 9.10—Records. 9.55—Kovacs Lajos Orchestra, Nina Dolce (Violin).

HILVERSUM (301.5 m.), Orchestra, 'Cello (contd.); at 9.40—News.

KALUNDBORG, From the Jamboree (contd.). 9.30—Pfte Duet in C (Schubert). 9.55—News.

LEIPZIG, News. 9.15—Bands and Choirs (contd.). **LILLE**, Concert (contd.).

MARSEILLES, Play (contd.).

MONTE CENERI, "Don Pasquale" (Donizetti) (contd.).

MOSCOW, Operetta (contd.).

MUNICH, COLOGNE, HAMBURG and **KÖNIGSBERG**, Concert (contd.).

OSLO, Lecture Recital (contd.). 9.10—Violin. 9.30—Report. 9.40—News.

PARIS (PTT), Drama (contd.).

POSTE PARISIEN, News. 9.10—The Milky Way; with Bauge, presented by Mistinguett. 9.25—Concert. **PRAGUE**, **BRATISLAVA** and **BRNO**, Concert (contd.).

RADIO-NORMANDIE, To be announced. 9.30—Programme from the Argentine Section of the

NATIONAL

For Time Signals, see Monday.
 10.15 a.m. (D)—Service.
 10.30 (D)—Weather Forecast.
 10.45 (D)—"At Home Today."
 11.5 (D)—Records.
 11.45 (D)—BBC Welsh Orchestra: William Worsley (Baritone).
 12.30 p.m. (D)—BBC Singers (B).
 1.0 (D)—Light Classical Concert.
 1.40 (D)—Poetry reading.
 2.0 (D)—Royal National Eisteddfod of Wales, Machynlleth, 1937: The Chiring of the Bard and the Presidential Address by the Rt. Hon. David Lloyd George, O.M., M.P.
 3.0 (D)—Records.
 3.15 (D)—Bournemouth Municipal Orchestra: Albert Sandler (Solo violin).
 4.45 (D)—Records.
 5.0—Alvin Saxon and his Band.
 6.0—The First News.
 6.20—The British Diarists—Lord Ponsonby.
 6.40—Cecil Dixon (Pfte.).
 6.55—Act 2, "Die Meistersinger von Nürnberg" (Wagner), from Salzburg: The Vienna Philharmonic Orchestra; Conductor, Arturo Toscanini.
 8.0—"Murder in the Embassy": a melodrama by Francis Durbridge.
 9.0—The Third News.
 9.20—"The Promenade Concert Season, 1937."
 9.30—Richard Green Orchestra.
 10.30—Short Story.
 11.0—Joe Loss and his Band.
 11.30-12.0—Dance Records.

REGIONAL

For Time Signals, see Monday.
 10.15-10.45 a.m. (ex. Western)—National.
 10.45 (ex. Western)—BBC Northern Ireland Orchestra: Eileen Latimer (Soprano).
 11.45 (ex. Western)—Cinema Organ.
 12.15 p.m. (ex. Western)—Gershon Parkington Quintet.
 1.0 (ex. Western)—Cinema Orchestra.
 1.45 (ex. Western; Scottish 1.55)—Reginald Foort at the BBC Theatre Organ.
 1.45 (Scottish)—Herring Bulletin.
 2.15 (ex. Western)—Dance Records.
 3.0 (ex. Western)—Royal Marines Band: Madge Thomas (Contralto).
 3.30 (Scottish)—Mid-Week Service.
 4.0 (ex. Western)—"Responsibilities of Empire"—The Rt. Hon. the Viscount Halifax, K.G., G.C.S.I.
 4.15 (ex. Western)—Folkestone Municipal Orchestra.
 5.0—The Children's Hour.
 6.0 (ex. Midland, Western, Scottish)—The Anthony Pini Violoncello Quartet.
 6.0 (Midland)—Eileen Murphy and Kenneth Kerry (Pftes.).
 6.0 (Western)—National.
 6.0 (Scottish)—Jimmy Shand (Accordion).
 6.10 (Scottish)—Gaelic talk.
 6.25 (ex. Northern, Western, Welsh)—Shows from the Seaside.
 6.25 (Northern)—Cinema Organ.
 6.25 (Welsh)—Claudia Lloyd (Pfte.).
 6.40 (Welsh)—"Ar Foes Yr Eisteddfod."
 6.50 (Northern)—"Flippant Fingers."
 7.0 (ex. Western)—Second News.
 7.20 (ex. Western)—Regional Announcements.
 7.30 (ex. Northern, Western, Scottish)—Yascha Krein and his Gipsy Orchestra.
 7.30 (Northern)—"Pleasure on Parade."
 7.30 (Scottish)—Flora Blythman (Contralto); Frank Gordon (Baritone).
 8.0 (ex. Midland, Welsh)—BBC Northern Orchestra.
 8.0 (Midland)—Forgotten Rivalries: Piccini v. Gluck—May Blyth (Soprano); BBC Midland Orchestra.
 8.0 (Welsh)—"In Lonely Places": William Thomas and William Evans.
 8.20 (Welsh)—Welsh News.
 8.35 (Welsh)—BBC Welsh Orchestra: Myra Ffoules (Pfte.).
 8.45 (ex. Welsh)—"Bird in Hand": West Country comedy by John Drinkwater.
 9.30 (Welsh)—Welsh talk.
 10.0 (ex. Western)—News Summary.
 10.25 (ex. Western; Scottish 10.40)—Joe Loss and his Band.
 10.25 (Scottish)—Scottish News and Sports News.
 11.30 (ex. Western)—Late News Summary.
 11.40-12.0 (ex. Western)—Records.

Hours of Transmission in British Summer Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 100 kW.
 Dublin, etc. See Sunday.
 1.30-3.0 p.m.—Records.
 5.30—From the Royal Dublin Society Show, Ballsbridge, Dublin. Music by Army Bands, Interview with Judges of Hunters and Ponies.
 6.30—Irish News Feature. 6.40—J. Turner Huggard introduces...
 6.55—Act II, "The Mastersingers" (Wagner), from the Salzburg Festival. Conductor: Toscanini.
 8.0—Irish Radio Orchestra. Overture, "The Thieving Magpie" (Rossini). Selection, "Pirates of Penzance" (Sullivan). Waltz, "Mon rêve" (Waldteufel).
 8.30—Making Neighbours of Nations: Anniversary of the Laying of the First Transatlantic Cable—Talk by J. D. Ferguson. 8.45—Seamus MacAmhragáin (Traditional Songs). 9.0—Can these make you laugh? 9.30—Variety. 10.30-11.0—News.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW.
 Transmits at intervals from 6.0 a.m.
 12.0 noon-2.0 p.m.—See Munich.
 2.0—News. 2.15—Derksen Band.
 3.15—Announcements. 3.35-4.0—Records. 4.30—Talk. 4.50—Books.
 5.0—Hans Haas Recital by the Composer (Pfte.), and Melanie Wolff (Violin). Three Pfte. Miniatures. Sonata in A for Pfte. and Violin.
 5.30—"Death is no Scoundrel"—a True Incident (Hartmann). 6.0—Favourite Melodies (Records). 7.0—Evening Echoes.
 7.20—Old Trios. Trio in D (Sixt). Trio in B flat (Mozart), 8.0—News.
 8.10—Dance Music. Station Orchestra and Bund Band. 10.0—News.
 10.30-12.0 m't.—See Stuttgart.

BEROMÜNSTER

(Switzerland)
 556 kc/s (539.6 m.); 100 kW.
 Relayed by Basle and Berne, 1,375 kc/s (218.2 m.).
 6.15-6.40—Records. 12.0 noon—The Don Cossacks (Records). 12.29 p.m.—News. 12.40-1.30—Opera and Operetta Records.
 4.30—For Invalids.
 5.0-6.0—See Sottens. 6.0—The Cycle Tour of Switzerland. 6.30—March Revue (Records). 6.50—Historical Calendar. 7.0—Traffic Report. 7.10—Records. 7.20—Medical Talk: Climate, Weather and Mankind. 7.45—News. 7.55—The Cycle Tour of Switzerland.
 8.15—Dialect Programme. 9.10—Talk: The International Shooting Championships at Helsinki.
 9.15—Eysler Records. 9.40—Light Music. 10.25—Announcements.

BRATISLAVA

(Czechoslovakia)
 1,004 kc/s (298.8 m.); 13.5 kW.
 Transmits at intervals from 6.0 a.m.
 6.0 p.m.—Hungarian Transmission: For Women; Gasperek (Violin); Industrial Review.
 6.45-7.10—See Prague. 7.10—Vasica Jazz Band. Vesely (Songs). 7.35—Sketch (Vadney).
 8.0—Military Band. Conductor: Rylich.
 8.40-10.20—See Prague. 10.20—News (Hungarian). 10.35-11.0—Records.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW.
 Relayed by Gleiwitz, 1,231 kc/s (243.7 m.).
 Transmits at intervals from 5.0 a.m.
 12.0 noon—Silesian Orchestral Society. Conductor: Koschinsky. March, Für Freiheit und Ehre (Blankenburg). Overture, "The Lovely Galata" (Suppé). Waltz, Wiener Herzen (Derksen). Indian Suite (Lüling). Airs, "Liselott" (Künneke). March, Alte Kämpfer (Wiedermann). Selection, "Aida" (Verdi). German Dances (Mozart). Serenade (Graener). Forest Idylls (MacDowell). Overture, "Euryanthe" (Weber); at 1.0 p.m.—News.
 2.0—News. 2.15-3.0—Records.
 4.0—Station Orchestra. Conductor: Topitz. Grund (Clarinet). Kerndorff (Cello). Funiculifunicula (Denzer). Overture, Die Liebesprobe (Mozart). Serenade (Haydn). Slav Rhapsody (Friedemann). Polka for Clarinet (Hauk). Serenata (Terenghi). Tambourin (Leclair). Frühling, erwach! (Schönian). Song, Wie

schön ist mein München am Isarstrand (Ludwig). Polka, Feuerfest (Jos. Strauss). Ein Schubertabend in Alt-Wien (Ralf). Waltz, Nülfuten (Jos. Strauss). Danza esotica (Mascagni). "Cello: La cinquantaine" (Gabriel-Marie). Selection, "Rigoletto" (Verdi). March of the Marionettes (Micheli). Intermezzo, Weindusel (Tautenhayn). Der kreuzfidele Kupferschmied (Peter); at 5.0-5.10—Books.
 6.0—Reading. 6.20 (from Gleiwitz)—Topical.
 7.0—"Jollity!"—Programme by a Labour Service Band, Choir and Speakers (arr. Kuhlmann). 9.0—News.
 9.15—Piersig (Organ), from St. Katherine's Church. Te deum laudamus (Buxtehude). Prelude and Fugue in E minor (Bach). Canzone (Karg-Elert). Fantasia and Fugue, Christus wir sollen loben schon (Reuter).
 10.0—News. 10.15—"Tragic Destinies"—Hölderlin.
 10.30-12.0 m't.—See Stuttgart.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW.
 Transmits at intervals from 6.0 a.m.
 5.40 p.m.—German Transmission: For Workers; Talk; For Children.
 6.15—Records. 6.35—Labour Exchange.
 6.45-7.10—See Prague.
 7.10—Folk Play in Dialect (Zacal).
 8.0—See Bratislava. 8.40-11.0—See Prague.

BRUSSELS (No. 1)

(Belgium)
 620 kc/s (483.9 m.); 15 kW.
 6.37-9.0 a.m.—Records; Gym; News. 12.0 noon—Records; at 12.30 p.m.—Shipping. 1.0—News. 1.10—Schnyders Orchestra. 2.0—Art Notes. 4.55—News. 5.0—Music Lesson. 5.30—Records (Chopin, Verdi). 6.0—Talk. 6.15—Loiseau Orchestra. 7.0—For Workers. 7.15—Records: Mexican Music. 7.30—News.
 8.0—Darcy Orchestra. Waltz Potpourri (Robrecht). Overture, "Morning, Noon, and Night" (Suppé). Ballet, "Les trois grâces" (Guillemin). Intermezzo (Detaille). Selection, "Le chemin du Paradis" (Heymann). A la gare (Diana). Tango (Grévalle). Foxtrot (Deltour).
 9.0—Talk.
 9.15—Orchestra (contd.). Overture, "Zampa" (Hérold). The Blue Danube (Strauss). Scotti Potpourri (Salabert). Foxtrot (Will). Qui ne fait pas de pronostic (Vansippe). Tango (Demaret). Waltz (Demaret). March (Milli).
 10.0—News. 10.10-11.0—Records.

BRUSSELS (No. 2)

(Belgium)
 932 kc/s (321.9 m.); 15 kW.
 Programme in Flemish.
 6.37-9.0 a.m.—Records; News; Gym. 12.0 noon—Schnyders Orchestra. 1.0 p.m.—News. 1.10—Records. In the interval, Accordion. 2.0—Shipping. 4.55—News. 5.0—Loiseau Orchestra. In the interval, Records. 5.45—For Children. 6.30—Records. 6.45—Talk. 7.0—Announcements. 7.3—Records. 7.30—Art Notes.
 8.0—Records of the Concert by the BBC Orchestra, from London. Conductor: Constant Lambert. 8.45—Talk: Peasant Women and their Work. 9.0—Wind Instrument Records.
 9.30—BBC Theatre Orchestra Recording (contd.). 10.40—Pater noster. 10.50-11.0—News.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW.
 Relayed by Radio-Romania (Brasov), 160 kc/s (1,875 m.).
 Transmits at intervals from 5.30 a.m.
 6.0 p.m.—Weather. 6.3—Records. 7.30—Talk. 7.50—Felicia Vasilescu (Songs). 8.15—Radio Salon Orchestra. 9.30—Sports. 9.45—Restaurant Concert. 10.45—News (French, German, Romanian).

BUDAPEST (No. 1)

(Hungary)
 546 kc/s (549.5 m.); 120 kW.
 Transmits at intervals from 6.45 a.m.
 12.0 noon—Chimes. 12.5 p.m.—Péter Solymos (Pfte.). 12.40—News. 1.0—Toll Cigány Band. 2.40—News. 3.0—Markets. 4.15—Fairy Tales. 4.45—News. 5.0—Talk. 5.30—Verdi Records. 6.0—Lottery.
 7.10—Budapest Concert Orchestra. Conductor: Fridl. Overture, "Der Freischütz" (Weber).

Variations (Zádor). Eine kleine Nachtmusik (Mozart). Tänze aus Galanta (Kodály).
 8.20—Talk. 8.50—Bohrandt-Weidinger Dance Band from the Hotel Palatinus, Margaret Island. 9.35—News. 9.55—Magyari Cigány Band.
 10.30—Einar Norrby (Danish Singer). Aria, "Don Giovanni" (Mozart). Aria, "Figaro" (Mozart). Bergmanden (Heise). Bergvaesterens sang (Weyse). Den danske Sang (Nielsen). Der laa Is om vaart Land (Hye-Knudsen). Der vugger et Skib (Hye-Knudsen).
 11.0—Station Orchestra. 12.5 a.m. (Friday)—News.

BUDAPEST (No. 2)

(Hungary)
 359.5 kc/s (834.5 m.); 18 kW.
 6.0 p.m.—Records. 7.15—Reading. 8.0—News. 8.20—Records.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW.
 Transmits at intervals from 5.50 a.m.
 12.0 noon—Workers' Band. Conductor: Hans Wagner.
 1.15—Munich Programme from the Radio Exhibition. 2.0—News. 2.15-3.0—Light Music. Kirsch (Baritone), Kastert (Violin), Ilse Mühlen (Pfte.). 3.45—Markets. 4.0—Dialect Reading. 4.10—See Munich.
 6.0—Violin and Pfte.: Sonata in A minor (Pizzetti). 6.20—Report (Recorded). The "Nation" at Work" Exhibition. Conductor: Franken. Florentine March (Fucik). Overture, Fridericiana (Zimmer). Concert Piece on Alle Tage ist kein Sonntag (Lindsay-Thiemer). Waltz, Grubenlichter (Zeller). Piccolo Duo: Die beiden Schwarzdrosseln (Krusc). Selection, The Merry Widow (Lehár). Bleisoldat auf Wache (Prager). Curly Locks (Powell). March (Schroder). 7.45—Snapshots.
 8.0—See Munich. 10.0—Time; News.
 10.30-12.0 m't.—Symphonies Third Symphony (Brahms) by the Station Orchestra. Conductor: Schulz-Dornburg. Fantastic Symphony (Berlioz) by the Düsseldorf Municipal Orchestra. Conductor: Balzer.

DEUTSCHLANDSENDER

(Germany)
 191 kc/s (1,571 m.); 60 kW.
 Transmits at intervals from 6.0 a.m.
 12.0 noon—See Breslau. 1.45 p.m.—News.
 2.0—Variety.
 3.0—See Munich. 3.45—Talk. 4.0—Records.
 4.10—See Munich. 6.0—Cello and Pfte.: Sonata (Grieg). 6.25—Records of Caruso. 6.45—Talk.
 7.0—Hippmann Band, Maja Hart and Hermann Gees. 7.45—Topical. 8.0—Motto; News.
 8.10—Concert from Leipzig.
 9.0—Favourite Overtures and Entr'actes. Station Orchestra. Conductor: Stange. Overture, "Euryanthe" (Weber). Overture, "The Magic Flute" (Mozart). Ballet, "Othello" (Verdi). Overture, "The Bartered Bride" (Smetana). Prelude to Act IV, "Carmen" (Bizet). Overture, "The Caliph of Bagdad" (Cornelius). Prelude to Act III, "La Traviata" (Verdi). Overture, "Carnaval romain" (Berlioz).
 10.0—News.
 10.30-10.45—Willy Piel (Pfte.). Etude (Debussy). Paganini Etudes (Liszt).
 11.0-12.0 m't.—Dance Records.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW.
 Cassel, etc. See Sunday.
 Transmits at intervals from 6.0 a.m.
 12.0 noon—Orchestra. 1.0 p.m.—News. 1.15—Orchestra (contd.). 2.0—News; Records. 3.0—Industrial News. 3.15-3.30—For Children.
 4.10—See Munich. 6.0—Topical Talks.
 7.0—See Munich. 7.50—Reading.
 8.0—See Munich. 9.0—News.
 9.15—"What do you think of this?"—Humorous Sequence (Glass). 10.0—Time; News.
 10.30—See Stuttgart.
 12.0 m't.-1.0 a.m. (Friday)—Italian Music (Recorded). L'Isola del Garda (Certani). Sortilegi (Calabrin). by Dammer (Pfte.) and the Munich Station Orchestra. Conductor: Winter. Suite, from the Appennines (Pick-Mangiagli) by the Station Orchestra. Conductor: Winter.

THURSDAY (August 5)

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW.
 Bremen, etc. See Sunday.
 Transmits at intervals from 5.45 a.m.
 12.0 noon-2.0 p.m.—See Munich. 2.0—News; Music. 3.0—Shipping, etc. 3.25—German Folk Songs. 4.0—Station Orchestra. In the interval, Talk.
 5.15—"Little-known Germany"—Hidden Beauties described.
 6.0—"Songs of the Heath"—Karl-Heinz Schulz and Young Girls. 6.25—"Come, Comrade"—Report. 6.45—Shipping.
 7.0—Station Dance Band, etc. Conductor: Gebhardt. 7.45—Topical. 8.0—See Munich; at 9.0—News. 10.0—News.
 10.30-12.0 m't.—See Stuttgart.

HILVERSUM (1,875 m.)

(Holland)
 160 kc/s; 10 kW. until 7.40 p.m.; 150 kW. from 7.40 p.m.
 AVRO Programme.
 7.40 a.m.—Records. 9.40—Service. 9.55—Records. 10.10—Concert. Talk in the interval. 11.40—Light Music by the Minstrels. In the interval, from the Scout Jamboree. 1.40 p.m.—Palla (Pfte.). 2.10—Kovacs Lajos Orchestra. 3.40—For Hospitals. 4.10—Records. 4.40—For Children. 5.10—The Octophonikers. 6.10—Records. 7.10—From Texel Island. 7.40—News. 7.55—Palla (Organ). Karsmeyer (Songs), Lensky (Violin). 8.40—From the Scout Jamboree.
 9.10—Records. 9.55—Kovacs Lajos Orchestra; Nina Dolce (Violin). 10.40—News.
 10.50-11.40—Dance Music. Sarkozy Hungarian Band from the Huis ter Hunin, Noordwijk; Lennarts Band from Noordwijk Casino.

HILVERSUM (301.5 m.)

(Holland)
 995 kc/s; 15 kW. until 7.40 p.m.; 60 kW. from 7.40 p.m.
 7.40-8.55 a.m.—KRO Programme: Records. 9.40-10.40—NCRV Religious Programme and Records. 10.40 a.m.-1.40 p.m.—KRO Programme. 10.40—Records. 11.10—Religious Address. 11.40—News. 11.55—KRO Orchestra. Conductor: Reinards; at 12.40 p.m.—Records.
 1.40 till Close—NCRV Programme. 1.40—Records. 2.25—Gantzert (Violin), Heins (Pfte.). 3.25—Bible Reading. 4.25—Records. 5.25—Severijn (Tenor), Zeldenrust (Pfte.). 6.25—Talk; News; Records; Report. 7.40—News.
 7.55—Arnhem Orchestra. Conductor: Pappenheim. Zanten (Cello); at 8.40—Talk, and at 9.40—News. 10.10-11.40—Records; Bible Reading.

KALUNDBORG (Denmark)

240 kc/s (1,250 m.); 60 kW.
 Relays Copenhagen, 1,176 kc/s (255.1 m.).
 Transmits at intervals from 7.0 a.m.
 11.15-11.35 a.m.—Address by the Foreign Minister, Dr. Munch, from the Montessori Congress: The Teaching of History and Understanding between Nations. 12.0 noon-2.0 p.m.—Julian Orchestra.
 2.50—Radio Orchestra. Conductor: Grøndahl. Else Florander Juul (Heise Songs). 4.50—Wireless Notes. 4.56—Poem. 5.0—Talk: King Khama, a Christian Negro King. 5.25—Weather; Exchange; Markets. 5.50—Records of the Bakule Choir. 6.0—Reichgrüber (Banjo). 6.15—Weather. 6.20—Talk: The Mason. 7.0—News; Report: The Traders Meeting in Fredericia. 7.45—Talk: Parents and Children.
 8.0—Eric Coates Music. Radio Orchestra. Conductor: Hye-Knudsen. Knightsbridge March. The Merrymakers. Serenade, "Joyous Youth." The Three Bears.
 8.30—Round the Camp-Fire—Programme from the Scout Jamboree in Holland. 9.30—Pfte. Duet in C (Schubert). 9.55—News.
 10.15-11.0—Svendsen and Grieg Music. Radio Orchestra. Conductor: Hye-Knudsen. Johanne Karstens (Songs). Part I: Svendsen. Festival Polonaise. Songs: (a) Violin, (b) Forsajubel. Norwegian Rhapsody. Part II: Grieg. Morning and Anitra's Dance, "Peer Gynt." Songs: (a) Varen, (b) Fra Monte Pincio. Symphonic Dance.

THURSDAY (August 5)

KÖNIGSBERG (Heilsberg) (Germany)

1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.). Transmits at intervals from 5.0 a.m. 12.0 noon—Station Orchestra. 2.0-3.0—News; Talk; Variety. 3.30—Week-end Hints. 3.40—Reading. 4.0—Concert. Jölli (Songs); at 5.0—Sports. 6.0—Reading. 6.10—Walter Lutz ("Cello), Ernst Rudolph (Pfte.). Four Pieces (Haas). Sonata in G minor (Eccles). Four Pieces (Debussy). Rondo (Dvořák). 6.50—Announcements. 7.0—Variety. 7.45—Topical. 8.0—See Munich. 10.0—News. 10.20—Talk. 10.35-12.0 m't.—Light Music and Dance Music.

LAHTI (Finland)

166 kc/s (1,807 m.); 150 kW. Relayed by Helsinki, 895 kc/s (335.2 m.). Transmits at intervals from 7.5 a.m. 5.0 p.m.—Report: The International Shooting Championships. 5.30—Records. 6.0—News (Finnish, Swedish). 6.15—Recitations. 6.35—Max Rytter (Pfte.). 7.5—Talk. 7.30—Ilse Heiseler-Harp (Songs). 7.50—Light Music by the Radio Sextet. Conductor: Cronvall. 8.45—News (Finnish, Swedish). 9.10—Sports. 9.25—Helsinki Theatre Orchestra. Conductor: Blomstedt. 10.0-11.0—Records.

LEIPZIG (Germany)

785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.). Transmits at intervals from 5.50 a.m. 12.0 noon—2.0 p.m.—See Munich. 2.0—News; Records. 3.0—Talk. 3.20—"In the Spinning Room"—Sequence. 3.50—Talk from Brazil. 4.0—Exchange. 4.10—See Munich. 6.0—Books. 6.20—Music. 6.30—Reading. 6.50—Evening Review. 7.0—Erzgebirge Variety—Workers' Choirs, etc. 8.0—Massed Bands and Choir from the "Garden and Home" Exhibition, Dresden. Festival Overture (Lortzing). Coronation March. "Die Folkinger" (Kretschmer). Helmsman's Song, "The Flying Dutchman" (Wagner). March (Flath). March (Müller). Overture, "Morning, Noon and Night" (Suppe). Waltz, Wiener Bürger (Ziehner). Choir: S.A. Song Potpourri (Seidel). Marches (Rode, Lippe, Strauss). Choir: Songs (Steinbrecher-Bell). Historical Marches; at 9.0-9.15—News. 10.0—Lore Fischer (Old Folk Songs). 10.30—News. 10.50-12.0 m't.—Music from Stuttgart.

LILLE (Radio PTT Nord) (France)

1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.30 a.m. 8.0 p.m.—Uytbroeck (Songs). 8.15—Polish Programme. 8.30—Light Music from Toulouse (PTT). 10.30-11.0—News.

LYONS (PTT) (France)

648 kc/s (463 m.); 100 kW. Transmits at intervals from 6.30 a.m. 5.0 p.m.—"The Mastersingers" (Wagner) from Salzburg (for details see Paris (Eiffel Tower)). In the intervals, News. After the Programme, News.

MARSEILLES (PTT) (France)

749 kc/s (400.5 m.); 100 kW. Transmits at intervals from 6.30 a.m. 7.45 p.m.—Light Music. 8.0—For Farmers. 8.15—Light Music. 8.30—Prenez garde à la peinture" (The Late Christopher Bean)—Three-Act Play (Fauchois). 10.30—News. 10.45—Dance Music. 11.0—Weather.

MONTE CENERI (Switzerland)

1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 12.0 noon 7.25 p.m.—Report: The Cycle Tour of Switzerland. 7.45—News. 7.55-10.20—"Don Pasquale" (Donizetti), with Tito Schipa in the title rôle. Conductor: Sabajno (Recorded). Talks in the intervals.

MOSCOW (No. 1) (Russia)

172 kc/s (1,744 m.); 500 kW. 5.45 p.m.—Concert. 6.0—Operetta. 9.55—Kremlin Chimes. 10.5—

French Programme. 11.0 p.m.—1.0 a.m. (Friday)—Spanish Programme.

MUNICH (Germany)

740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.). Transmits at intervals from 6.0 a.m. Munich Day at the Berlin Radio Exhibition. 12.0 noon—"The Isar, the Danube, the Lech and the Main"—Regional Music from the Radio Exhibition. Conductor: Auzinger. 2.0 p.m.—News. 2.20—"Kasperl as a Portrait Painter"—Comedy (Pocci); Music by Schweiger. 3.0—Bavarian Marches and Dances from the Radio Exhibition. 4.0—Exchange.



Johan Svendsen, whose music shares the Kalundborg programme with Grieg's at 10.15 p.m.

4.10—"A Rucksack-full"—An Upper-Bavarian Programme from the Radio Exhibition. Schwarzfischer Band and Station Dance Band. Conductor: Michalski, the Station Folk Song Quartet, Schweizer Sextet, the Station Schrammel Ensemble, Patzak (Tenor), etc. 6.0—Weather; For Farmers. 6.10—"Gelähmte Schwingen"—Comedy (Thoma). 6.45—Otto Willi Gail visits the Radio Exhibition. 7.0—Bavarian Folk Songs and Dances from the Radio Exhibition. The Station Folk Song Quartet, the Schweizer Quartet, the Station Schrammel Ensemble, the Bostl Band, Speakers, etc. 7.50—News. 8.0—"The Magic of the Voice"—Concert from the Radio Exhibition. The Zeesen Short-wave Station Orchestra. Conductors: Winter and List. Hildegard Ranczak (Soprano), Patzak (Tenor), Hann (Baritone). Liselott Klinger and Walter Holten (Speakers). Huldigungsarsch (Wagner). Aria, "Tannhäuser" (Wagner). Aria, "Don Giovanni" (Mozart). Minuet (Mozart). Aria, "Figaro" (Mozart). Overture, "Euryanthe" (Weber). Monologue, "The Mastersingers" (Wagner). Prelude, "Ulysses" (Brandts - Buys). Overture, "Der Opernball" (Heuberger). Song, "The Mikado" (Sullivan). Suite (Lachner). Songs, "The Gipsy Baron" (Strauss); Song, "The Bird-Fancier" (Zeller). Duet, "Der Opernball" (Heuberger). Kaiserwalzer (Strauss). 10.0—News. 10.20—Interlude. 10.30-12.0 m't.—See Stuttgart.

4.10—"A Rucksack-full"—An Upper-Bavarian Programme from the Radio Exhibition. Schwarzfischer Band and Station Dance Band. Conductor: Michalski, the Station Folk Song Quartet, Schweizer Sextet, the Station Schrammel Ensemble, Patzak (Tenor), etc. 6.0—Weather; For Farmers. 6.10—"Gelähmte Schwingen"—Comedy (Thoma). 6.45—Otto Willi Gail visits the Radio Exhibition. 7.0—Bavarian Folk Songs and Dances from the Radio Exhibition. The Station Folk Song Quartet, the Schweizer Quartet, the Station Schrammel Ensemble, the Bostl Band, Speakers, etc. 7.50—News. 8.0—"The Magic of the Voice"—Concert from the Radio Exhibition. The Zeesen Short-wave Station Orchestra. Conductors: Winter and List. Hildegard Ranczak (Soprano), Patzak (Tenor), Hann (Baritone). Liselott Klinger and Walter Holten (Speakers). Huldigungsarsch (Wagner). Aria, "Tannhäuser" (Wagner). Aria, "Don Giovanni" (Mozart). Minuet (Mozart). Aria, "Figaro" (Mozart). Overture, "Euryanthe" (Weber). Monologue, "The Mastersingers" (Wagner). Prelude, "Ulysses" (Brandts - Buys). Overture, "Der Opernball" (Heuberger). Song, "The Mikado" (Sullivan). Suite (Lachner). Songs, "The Gipsy Baron" (Strauss); Song, "The Bird-Fancier" (Zeller). Duet, "Der Opernball" (Heuberger). Kaiserwalzer (Strauss). 10.0—News. 10.20—Interlude. 10.30-12.0 m't.—See Stuttgart.

OSLO (Norway)

260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday. Transmits at intervals from 10.5 a.m. 5.0 p.m.—Light Orchestral. 6.0—Service. 6.25—Songs. 7.0—News. 7.30—Time; For Farmers. 8.0—Pfte. and Viola. 8.40—Lecture-Recital: Orchestral Instruments. 9.10—Violin. 9.30—Report: International Shooting Championship at Helsinki. 9.40—News. 10.0—Topical. 10.15-11.0—Light Music.

PARIS (Eiffel Tower) (France)

1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 7.30 a.m. 5.0 p.m. (Also Lyons (PTT))—"The Mastersingers" (Wagner) from Salzburg. Conductor: Toscanini. Cast: Maria Cebotari, Kerstin Thorborg, Herbert Alsen,

Charles Kullmann, Hans Hermann Nissen, Richard Sallaba and Heinrich Wiedemann. In the interval, Interview with M. Rucart, Minister of Public Health.

PARIS (Poste Parisien) (France)

959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m. 12.0 noon—Exchange. 12.5 p.m.—Records: English Military Marches. 12.15—For Children. 12.25—Exchange. 12.39—Records. 1.50—Film Notes. 2.0, 3.45 and 4.35—Exchange. 6.0—Exchange. 6.5 Song Records. 6.15—Talk. 6.20—Records. 6.53—News. 7.20—Records. 7.35—Talk. 7.40—Records. 7.55—Les Frères Jacasse. 8.0—Topical. 8.5—La bonne histoire. 8.20—Browning and Star. 8.35—Fashions. 8.38—Variety. 8.50—Talk. 9.0—News. 9.10—"The Milky Way," with Bauge, presented by Mistinguett. 9.25—Concert. 10.5—News. 10.10-11.0—Records.

PARIS (PTT) (France)

695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.30 a.m. 3.30 p.m.—Light Music from the Casino, Vichy. 4.30—Talk: Parisian Life. 4.45—Reading. 5.0—Old Dance Music by the Andolfi Orchestra. 6.0—Marthe Bracquemond (Organ). Passacaglia (Bach). Elegy (Peeters). Cortège (Plum). Finale (Dupré). 6.30—Mme Martinet - Dumont (Pfte.). Two Eighteenth Century Spanish Sonatas (Solér). Cubana (Fallá). Etude (Stravinsky). 6.45—For Farmers. 7.0—News. 8.0—Variety. 8.30—"Théroigne de Méricourt"—Five-Act Drama (Hervieu) by the "Art et Travail" Company. 10.30—News. 10.45-11.0—"Guitars"—Records.

PARIS (Radio-Paris) (France)

182 kc/s (1,648 m.); 80 kW. Time Signal at 7.15 a.m. 6.50 a.m.—Song Records. 7.0—Gym. 7.15—Records. 7.30—News. 8.0-8.30—Records. 10.15—For Boy Scouts. 10.30—For Women. 11.0—Sixty Years of French Opera—Records. 11.30—"Dolls"—Records. 11.45—Protestant Address. 12.15 p.m.—Talk. 12.30—Orchestra. 1.15—Lucette Dariel (Songs). 1.30—News. 1.45—Derveaux Orchestra. 2.0—de Sévèrac and Laparra Records. 2.30—Music at the Court of Versailles—Records. 3.0—Reading. 3.15—Talk: Modern Indo-China. 3.30—Flotow Opera Records. 3.45—Madeleine Loys (Songs). 4.0—Reading. 4.20—Talk: Book Publishing. 4.30—Talk: The Exhibition. 4.45—"Le Philosophe sans le savoir"—Five-Act Play (Michel); "The Romance of an Hour"—One-Act Play (Hoffmann). 6.30—For Sportsmen. 6.45—Medical Talk. 7.0—Markets. 7.3—Mme Raymond Balay (Songs). 7.15—Berceuse, Dance and Sonata (Maurice Franck) by Jeanne Dufour (Violin). The Composer (Pfte.). 7.30—Mme Vales-Orientis (Songs). 7.45—Home Affairs. 7.55—Foreign Affairs. 8.0-12.0 m't. (Also Bordeaux-Lafayette, Nice Côte d'Azur and Montpellier (PTT))—"Tristan and Isolde" (Wagner) from the Casino, Vichy. Conductor: Elmendorff. In the interval, News.

PRAGUE (Czechoslovakia)

638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 6.0 a.m. 4.10 p.m.—East Slovak Folk Music from Kosice. 5.40—For Workers. 5.50—For Farmers. 6.0—Record. 6.5—German Transmission: Czech Music by Gerda Christoph (Songs) and Berg (Pfte.); For Farmers. 6.45—News (German). 6.55—Review (German). 7.0—News. 7.10—See Brno. 8.0—See Bratislava. 8.40—Talk: The Valleys and Mountains of Czechoslovakia. 8.55—Czech Programme. Symphony Concert by the Municipal Orchestra from Karlsbad. Conductor: Manzer. Berka ("Cello). Concertino (Mozes). Intermezzo, "Die Jakobsfahrt" (Finke). Second Symphony (Ridky). 10.0—News; Sports. 10.20—Report from Antwerp: The International Workers' Olympiad. 10.30-11.0—Records.

RADIO-NORMANDIE (France)

1,113 kc/s (269.5 m.); 15 kW. 6.45 a.m.—Military Band. 7.0—News. 7.45—Joe Murgetroyd. 8.0—Light Music. 8.15—Records. 8.30—Light Music. 8.45—Popular Music. 9.0—Dance Music. 9.15—Light Music. 9.45—Love Songs. 10.0—Sacred Music from Lisieux. 11.0—Symphony Orchestra. 12.0 noon—Records of Victor Marceau (Accordion). 12.20 p.m.—Military Band. 12.35—News. 1.0—For Children. 2.30—Sacred Music from Lisieux. 3.30—Report: The Paris Exhibition. 4.0—Light Music. 4.30—Variety Items. 5.0—For Children. 5.30—Light Music. 6.0—Orchestra. 6.45—Talk; News; Racing Results. 7.0—Light Music. 7.40—News. 8.0—Operetta Music. 9.0—To be announced. 9.30—Revue from the Argentine Pavilion of the Paris Exhibition. 11.0—To be announced. 12.0 m't.—Midnight Melodies. 12.30-1.0 a.m. (Friday)—Dance Music.

ROME (Italy)

713 kc/s (420.8 m.); 50 kW. Naples, etc. See Sunday. Transmits at intervals from 7.45 a.m. 5.0 p.m.—News. 5.15—Concert from Rio de Janeiro. 5.55-6.5—Talk. 6.50—Dopolavoro Notes. 7.0—Orchestra. Conductor: Malatesta. 7.40—News in Foreign Languages. 8.10—Time; News. 8.30—Talk on Aviation. 9.0-11.50 (approx.)—"Lucia di Lammermoor" (Donizetti) from the "Terme di Caracalla" Cast: Luigi Montesanto, Toti Dal Monte, Beniamino Gigli, Nino Mazziotti and Ernesto Dominici. In the intervals, Talk and News; and at 11.10 (approx.)—News (English).

SOTTENS (Switzerland)

677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.). 12.29 p.m.—News. 12.40-1.30 (from Geneva)—Records. 5.0-6.0—From Geneva. 5.0—Light Orchestral. 5.35—Records of French Music. 5.40—Light Orchestral. 6.0—Records. 6.30—Report: The Cycle Tour of Switzerland. 7.0—For Gardeners. 7.10—Books. 7.20—Travel Talk. 7.30—Music. 7.45—News. 8.0—Report: The Cycle Tour of Switzerland. 8.35—Hot Jazz Records. 9.0—"Le Commissaire est bon enfant"—One-act Comedy (Courte-line). 9.40—Records of Georges Thill. Arias from "Manon" (Massenet). "Rigoletto" (Verdi). 9.55—Records. 10.20-10.30—Talk: The International Shooting Competition at Helsinki.

STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday. Transmits at intervals from 7.45 a.m. 5.5 p.m.—Talk: The Layman's Views on Missions. 5.30—Records: Swedish Music. 5.45—Reading. 6.15—Records. 7.15—News. 7.30—Matti Rjula (Saxophone). 7.50—Talk. 8.20—Radio Orchestra. Ohlson (Songs). Marche lorraine (Ganne). Mississippi Suite (Grofé). Songs: (a) From the Land of the sky blue Waters (Cadman), (b) O, milda sang (Törnquist). Selection, "No, no, Nanette" (Youmans). Songs from: (a) "The Duchess of Chicago" (Kálmán), (b) "The Black Hussar" (Künnecke), (c) "Paganini" (Lehár). Selection, "Swing Time" (Kern). 9.10—Report. 9.45—News. 10.0—Report: The Chess Tournament. 10.5-11.20—Play.

STRASBOURG (France)

859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m. 6.15 p.m.—Light Orchestral. 7.0—News. 7.30—Interview with M. Rucart, Minister of Health. 7.45—News. 8.0—See Paris (Radio-Paris). In the interval, News (German).

STUTTGART (Germany)

574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m. 12.0 noon-2.0 p.m.—See Munich. 2.0-3.0—See Deutschlandsender. 4.10—See Munich. 6.0—Topical Programme. 7.0—Light Music.

8.0—"I'm off on my Travels"—A Humorous Voyage of Discovery with Albert Hofele. 9.0—News. 9.15—Dance Band Records. 10.0—News. 10.30—Light Music—Hollinger Orchestra. 12.0 m't.—1.0 a.m. (Friday)—See Frankfurt.

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.30 a.m. 7.0 p.m.—Songs. 7.15—News. 7.40—Light Music. 7.45—Songs. 8.15—Film Music. 8.30—Excerpts, "Ignace" (Dumas). 8.45—Operetta Music. 9.10—"Exotism"—Fantasy. 9.25—Light Music. 9.45—Florida Tango Band. 10.0—News. 10.15—Light Music. 10.35—Orchestra. 10.50—Songs. 11.0—Band. 11.15—Chansonnettes. 11.35—Light Music. 11.50—Announcements.

TURIN (No. 1) (Italy)

1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday. Transmits at intervals from 7.45 a.m. 5.0 p.m.—News. 5.15-5.50—Itma Colasanti (Mezzo-Soprano), Bedini (Tenor). 5.55-6.5—Talk. 6.50—Dopolavoro Notes. 7.0—Orchestra. Conductor: Malatesta. 7.40—News in Foreign Languages. 8.10—Time; News. 8.30—Talk. 8.40—"Gente in treno"—Three-Act Play (Giannini). 10.15—Popular Melodies. Orchestra. Conductor: Salerno. 11.0—News. 11.15-11.45—Dance Music.

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday. Transmits at intervals from 6.45 a.m. 7.0 p.m.—News. 7.10—Topical. 7.25 (from Graz)—Military Band. Conductor: Pilz. 8.25—A Musical Menu. 9.25—Station Orchestra. Conductor: Schönherr. Hilde Sinnek (Soprano). Overture, "The Kiss" (Smctana). Soprano Aria from "Russalka" (Dvořák). Humoresque (Humperdinck). Soprano Aria, "Louise" (Charpentier). Spanish Dance and March, "Le Tribut de Zamora" (Gounod). Jewel Song, "Faust" (Gounod). Soprano Aria, "Don Carlos" (Verdi). Overture, "The Caliph of Bagdad" (Boieldieu). 10.10—News. 10.20—Light Austrian Music—Station Orchestra. March (Mosheimer). Tanzteufelchens Neckerreien (Mosheimer). Three Dance Melodies (Rosner). Bolero (Daurabrawa). Selection, "Ein Tag im Paradies" (Eysler). 10.55—News. 11.0-11.30—Light Austrian Music (contd.). March (Civohla). Waltz, Kämtner Madln (Kreuzberger). Der tanzende Kuli (Jecha). Waltz, Himmelschlüssel (Silving). Pierrot und Colombine (Hruby). March (Mader).

WARSAW (Poland)

224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday. Transmits at intervals from 6.15 a.m. 11.57 a.m.—Time; Fanfare. 12.3-1.0 p.m.—Furmaniński Orchestra. 3.45—Economics. 4.0—Talk for Children. 4.15—Chamber Music by the Cracow Station Quartet. 4.55—Talk: Week-ends. 5.10—Symphony (Beethoven) (Records). 5.50—Sports Notes. 6.5—Talk. 6.10—Programme Notes. 6.15—Records: Light Music and Choir. 6.50—Topical Talk. 7.0—Play (Marynowski). 7.40—Topical Talk. 7.50—Sports Notes. 8.0—Wilno Station Orchestra. Conductor: Szczepański. Kroll (Soprano), and Jakuc-Jaketis (Tenor). 8.50—News. 9.0—For Farmers. 9.15—Programme from the Scout Jamboree at Vogelenzang, Holland. 9.45—Reading. 10.0—Bukin and Witowskiewicz (Two Pftes.) and Walentyna-Kamińska (Songs). Six Polish Pieces (Zarembski). Songs: (a) Le Colibri (Chausson), (b) Chant de Berberine (Delibes), (c) Tristesse (Tchaikovsky), (d) Les blés d'or (Gretchaninov), (e) In the Silent Night (Rachmaninov). Polish Dances (Noskowski). Songs: (a) Nocturne (Kucarski), (b) Maiden's Song (Rózycki). 10.50—News; Press Review.

August 6 FRIDAY

5 p.m.

ATHLONE, Music from the Royal Dublin Society's Show Grounds. 5.30—Our First Broadcast.
BERLIN, Pfte. and Wind Quintet. 5.30—Week-end Hints. **BEROMÜNSTER** and **MONTE CENERI**, Opera Records. **BRUSSELS (1)**, Accordion. 5.20—Dialogue. 5.30—Records. **BRUSSELS (2)**, Orchestra. **BUDAPEST (1)**, 5.30—Frau Oláh (Songs).
COLOGNE, Pfte., Violin, 'Cello, Speaker. 5.20—Where are you, Comrade? 5.45—Marching Songs.
DEUTSCHLANDSENDER, BRESLAU and STUTTGART, Reading. 5.10—Light Orchestral.
FRANKFURT, Orchestra.
MOSCOW, 5.30—Programme from Kiev. **MÜNICH**, Light Music.
OSLO, Light Orchestral.
PARIS (PTT), Talk. 5.10—Records. 5.40—Talks.
RADIO - NORMANDIE, For Children. 5.30—Light Music.
RADIO-PARIS, Reading. 5.20—Review. 5.30—Songs. 5.45—Song Records. **ROME**, News. 5.15—Elena Cheli (Soprano) and Maria Luisa Faini (Pfte.).
SOTTENS, Records. 5.55—Report from Soleure: The Cycle Tour of Switzerland. **STOCKHOLM**, 5.5—For Children. 5.30—Records.
TURIN, News. 5.15—'Cello.
VIENNA, 5.5—Talk. 5.30—Pfte.

6 p.m.

ATHLONE, Our First Broadcast. 6.20—Talk. 6.35—News.
BERLIN, Waldemar Hass Quintet. **BEROMÜNSTER**, For Children. 6.35—Records. **BRESLAU**, Talk. 6.20—A Story. 6.30—Topical. **BRUSSELS (1)**, Sports. 6.15—Records. 6.30—Delvigne (Pfte.). **BRUSSELS (2)**, Chamber Music. Strens Quartet (Ch. Bach, Strens). 6.45—Books. **BUCHAREST and RADIO-ROMANIA**, 6.3—Romanian Music. **BUDAPEST (1)**, Talk. 6.30—Cigány Band.
COLOGNE, Marching Songs. 6.20—Die Kammertaufe—Play (Lersch). 6.40—West German Folk Groups at the Radio Exhibition.
DEUTSCHLANDSENDER, Lore Fischer (Contralto), Steurer (Pfte.). 6.45—Report.
FRANKFURT, Topical.
HAMBURG, Sports. 6.10—Trios (Graener, Sixt). 6.45—Notes. **HILVERSUM (1,875 m.)**, Concert (contd.). 6.10—Politics. 6.30—Records and Talk. **HILVERSUM (301.5 m.)**, Organ. 6.40—News; Talk.
KÖNIGSBERG, See Leipzig. 6.50—Notes.
LEIPZIG, Dresden Philharmonic, Treppe (Baritone) and Schaefer (Pfte.).
MOSCOW, Programme from Kiev. **MÜNICH**, Light Music (contd.). 6.30—Notes. 6.45—Topical.
OSLO, Light Orchestral. 6.30—Reading.
PARIS (PTT), Songs. 6.30—Opera Record. **POSTE PARISIEN**, 6.20—Records; Symphonie fantastique (Berlioz). 6.53—News. **PRAGUE**, 6.5—Talks and News (German).
RADIO - NORMANDIE, Children's Corner. 6.45—Talk; News.
RADIO-PARIS, For Women. 6.30—Talks.
SOTTENS, Report (contd.). 6.25—Talk. 6.35—Interlude. 6.40—Notes. **STOCKHOLM**, Records. 6.30—Talk. **STRASBOURG**, Concert (contd.). 6.30—Educational. **STUTTGART**, Topical.
TOULOUSE, Light Music. 6.50—News.
VIENNA, Talks.
WARSAW, Letter-box. 6.10—Notes; Talk. 6.20—Abraham and Benatzky Operetta Records. 6.50—Talk.

7 p.m.

ATHLONE, Ben Jonson's Tercentenary; Talk; Excerpts from his Plays; Songs. 7.40—Orchestra. McCullagh (Tenor), O'Doherty (Violin).
BERLIN, Echoes. 7.20—Variety Records. 7.50—News. **BEROMÜNSTER**, Notes. 7.10—From the Scout Jamboree at Vogelenzang, Holland. 7.45—News. 7.55—The Cycle Tour of Switzerland. **BRATISLAVA**, 7.45—Opera Overtures and Intermezos. **BRESLAU**, Trio. 7.40—See Cologne. **BRUSSELS (1)**, Talk. 7.15—Songs. 7.30—News. **BRUSSELS (2)**, Records. 7.30—News. **BUCHAR-**

EST and RADIO-ROMANIA, Romanian Music. 7.30—Talk. 7.50—Violin. **BUDAPEST (1)**, Cigány Band. 7.30—Programme from Lake Balaton.
COLOGNE, Folk Songs and Dances. 7.30—News. 7.40—Variety Concert.
DEUTSCHLANDSENDER, Variety. 7.45—Topical.
FRANKFURT, Records. 7.40—See Cologne.
HAMBURG, Light Music and Dance Music. **HILVERSUM (1,875 m.)**, Records. 7.10—News; Talk. 7.40—Luyken (Pfte.). **HILVERSUM (301.5 m.)**, Records; News. 7.55—KRO Melodists, etc.
KALUNDBORG, News. 7.30—Talk. **KÖNIGSBERG**, Talks. 7.30—News. 7.40—Cologne Station Orchestra from the Radio Exhibition, Berlin.
LEIPZIG, Dresden Philharmonic, etc. (contd.). 7.45—"The Emperor's Nightingale"—Fairy Tale after Andersen (Reichardt).
MONTE CENERI, 7.25—Report. 7.45—News. **MOSCOW**, Concert. **MÜNICH**, Marches.
OSLO, News. 7.30—For Farmers. 7.45—Records: Classical Music.

8.20—"La Bohème" (Puccini) (Recorded). **BUDAPEST (1)**, Programme from Lake Balaton.
COLOGNE, BRESLAU, FRANKFURT, and STUTTGART, Variety Concert.
DEUTSCHLANDSENDER, News. 8.10—Dance Band, Pfte. Duo, Songs.
EIFFEL TOWER, 8.30—Romanian Poetry.
HAMBURG, Orchestra, Soprano, Violin (Recorded). **HILVERSUM (1,875 m.)**, Luyken (Pfte.). 8.10—Talk. 8.40—Light Symphony Orchestra. **HILVERSUM (301.5 m.)**, KRO Melodists, etc.
KALUNDBORG, Review. 8.10—Talk. 8.30—Wind Band. **KÖNIGSBERG**, Orchestra (contd.).
LEIPZIG, Fairy Tale (contd.). **LILLE**, 8.15—Songs. 8.30—From the Opera: "The Damnation of Faust" (Berlioz) and "The Swan Lake" (Tchaikovsky).
MOSCOW, Concert. **MÜNICH**, Records; Folk Music.
OSLO, 8.5—Sketch. 8.20—Light Music.
PARIS (PTT), Variety. 8.30—Symphony Concert from the

COLOGNE, Variety Concert. 9.30—Dance Music from Deutschlandsender.
DEUTSCHLANDSENDER, Dance Band, etc. (contd.).
EIFFEL TOWER, Chamber Music—Capelle Quartet, "Cellos, Songs, Pfte."
FRANKFURT, News. 9.15—"The Peasantry"—Readings with Choir.
HAMBURG, News; Orchestra, etc. (contd.). **HILVERSUM (1,875 m.)**, Orchestra (contd.). 9.40—Alice Simon (Mezzo-Soprano). **HILVERSUM (301.5 m.)**, KRO Melodists, etc. 9.40—Report on the Scout Jamboree (Recorded).
KALUNDBORG, Wind Band; at 9.20—Reading. **KÖNIGSBERG**, Orchestra.
LEIPZIG, News. 9.15—Light Orchestral. **LILLE**, From the Opéra (contd.).

Bohème" (contd.). 10.45—News (French, German, Romanian). **BUDAPEST (1)**, Harp (contd.). 10.15—Orchestra. In the interval—News in English.
DEUTSCHLANDSENDER and SOME GERMAN STATIONS, News. 10.30—Band, Songs, Pfte.
EIFFEL TOWER, Quartet, etc. (contd.).
FRANKFURT, News. 10.30—Dance Band.
HAMBURG, News. 10.30—Symphony Orchestra. **HILVERSUM (1,875 m.)**, Mezzo-Soprano (contd.). 10.10—News. 10.20—Service. 10.40—Records. **HILVERSUM (301.5 m.)**, Report (contd.). 10.10—News. 10.20—KRO Boys, etc. 10.55—Records.
KALUNDBORG, Wind Band. 10.30—News. 10.50—Dance Band. **KÖNIGSBERG**, News. 10.20—Light Music and Dance Music.
LEIPZIG, Light Orchestral. 10.15—Nazi Publications. 10.30—News. 10.50—Dance Band. **LILLE**, From the Opéra (contd.).
MOSCOW, 10.5—English Talks: (a) The Stalin Constitution, (b) A Member of the Moscow Soviet at the Microphone.
OSLO, Topical. 10.15—Concert.
PARIS (PTT), Sibelius Records. 10.30—News. 10.45—Records: French Music. **POSTE PARISIEN**, To be announced.
PRAGUE, News. 10.20—Record. 10.25—String Quartet in A minor (Schubert), by the Prague Quartet.
RADIO-NORMANDIE, Concert. **RADIO - PARIS**, "Soirée de chansonniers" (contd.). 10.30—Records. 10.45—News. **ROME**, Play (contd.). 10.15—Variety.
SOTTENS, Records. 10.25—Talk. **STOCKHOLM**, Orchestra. **STRASBOURG**, Play (contd.). 10.30—News.
TOULOUSE, News. 10.15—Light Music. 10.35—Scott Music.
TURIN, Music (contd.). 10.20—Chamber Music (Mozart, Ghedini).
VIENNA, Sketches (contd.). 10.10—News. 10.20—Records of the London Philharmonic, conducted by Sir Thomas Beecham. 10.55—Notes.
WARSAW, Songs. 10.30—Records: Lithuanian Rhapsody (Karlłowicz). 10.50—News.

11 p.m.

BUDAPEST (1), Orchestra. 11.20—Dance Band.
DEUTSCHLANDSENDER and SOME GERMAN STATIONS, Band, etc. (contd.).
FRANKFURT, Dance Band.
HAMBURG, Symphony Orchestra. **HILVERSUM (1,875 m.)**, Records. **HILVERSUM (301.5 m.)**, Records.
KALUNDBORG, Dance Band. **KÖNIGSBERG**, Music (contd.).
LEIPZIG, Dance Band. **LILLE**, From the Opera. 11.15—Music from Radio-Paris.
MOSCOW, German Programme. **POSTE PARISIEN**, To be announced. **PRAGUE**, News (Russian).
RADIO - NORMANDIE, Café Concert. **RADIO-PARIS**, Concert, Conductor: Rhenc-Baton, "Violette d'Ambrosio" (Violin).
ROME, News. 11.15—News in English. 11.30—Dance Music.
STOCKHOLM, Chess Report.
STRASBOURG, News (German). 11.5—Concert from Radio-Paris.
TOULOUSE, Light Music. **TURIN**, News. 11.15—Dance Music.
VIENNA, Records.

12 midnight

BUDAPEST (1), 12.5—For Hungarians Abroad.
KALUNDBORG, Dance Band.
MOSCOW, Spanish Programme.
RADIO-NORMANDIE, Midnight Melodies. 12.30—Light Music.
RADIO-PARIS, LILLE and STRASBOURG, Concert (contd.).
STUTTGART and FRANKFURT, Concert. Part I: Bands. Part II: Records.

1 a.m. (Saturday)

RADIO-NORMANDIE, Records. 1.30—Dance Music

PRINCIPAL EVENTS

LIGHT CONCERTS
 12.0 Radio-Paris: Jacbara Orch., songs.
 2.50 Kalundborg: Radio Orchestra.
 4.0 Deutschlandsender: Light orchestral.
 6.0 Leipzig, etc.: Dresden Philharmonic.
 7.25 Vienna: Orch., songs.
 7.40 Athlone: Orch., songs, violin.
 7.40 Cologne, etc.: Variety concert.
 7.45 Bratislava, Prague: Opera music.
 8.0 Hamburg: Orch., Erna Berger.
 8.25 Beromünster: Berne concert.
 8.30 Brussels 1: Russian music.
 8.30 Paris (PTT): Ballet music.
 9.0 Radio-Paris: Chansonniers.
 9.0 Turin: Old dances.
 9.0 Warsaw: Polish dances.
 10.15 Oslo: Bergen Orchestra.
 10.20 Königsberg: Light and dance music.
 10.30 Deutschlandsender, etc.: Serenade.
 11.0 Radio-Paris: Rhenc-Baton.
 12.0 Stuttgart, Frankfurt: Military Bands.
OPERAS
 8.0 Berlin: "Polifem" (Buononcini).
 8.20 Bucharest: "La Bohème" (La Scala rec.).
CHAMBER MUSIC
 8.0 National: The Lener String Quartet.
 9.0 Eiffel Tower: Schubert, Honegger, etc.

10.20 Turin: Quintet (Mozart), etc.
 10.25 Prague: Quartet (Schubert).
RECITALS
 1.40 Hilversum (1,875 m.): Vln., two pfes.
 7.0, 8.20 Stockholm: Songs; 9.5, Pfte.
 8.30 Radio-Paris: Violin.
 9.40 Budapest 1: Harp.
 9.40 Hilversum (1,875 m.): Songs.
 10.0 Warsaw: Songs.
 10.25 Brussels 1: Accordion.
PLAYS
 2.30 Radio-Paris: "Gotte," Acts, 1, 3, 4.
 7.45 Leipzig: "The Emperor's Nightingale."
 8.5 Vienna: Four Sketches.
 9.30 Beromünster: "Men on the Ice Floe."
TALK
 7.0 Athlone: "Ben Jonson."
LAST NEWS BULLETINS, see Monday
DANCE MUSIC
 8.10 Deutschlandsender; 10.10, Brussels 2; 10.25, Regional; 10.30, Frankfurt; 10.50, Kalundborg, Leipzig; 11.0, National; 11.15, Turin; 11.20, Budapest 1; 1.30 (a.m.), Radio-Normandie.
MISCELLANEOUS
 3.15 Athlone: "The Aga Khan" Trophy.
 7.10 Beromünster: From the Scouts Jamboree.
 8.55 Sottens: Cabaret.

PARIS (PTT), News. **POSTE PARISIEN**, News. 7.20—Talk. 7.25—Records. **PRAGUE**, News. 7.10—Talk. 7.25—Folk Songs. 7.45—See Bratislava.
RADIO-NORMANDIE, Concert. 7.40—News. **RADIO - PARIS**, Songs. 7.30—Pfte. 7.45—Songs. **ROME**, French Talk; Music; Notes. 7.53—News in Foreign Languages.
SOTTENS, 7.5—Talk. 7.15—Interlude. 7.25—Micro-Magazine. 7.50—News. **STOCKHOLM**, Folk Songs. 7.15—News. 7.30—Programme from Abroad.
STRASBOURG, News. 7.30—Economics. 7.45—News. **STUTTGART**, Soldier Songs and Poems. 7.40—See Cologne.
TOULOUSE, Opera Arias. 7.15—News. 7.40—Light Music.
TURIN, Orchestra. 7.40—News in Foreign Languages.
VIENNA, News. 7.10—Talk. 7.25—Songs. Doddy Delison and Orchestra.
WARSAW, Song Records. 7.50—Sports.

Casino, Vichy. **POSTE PARISIEN**, Topical. 8.5—La bonne histoire. 8.20—Sketch. 8.55—To be announced. **PRAGUE**, See Bratislava. 8.25—"Le voyage de M. Perrichon"—Comedy (La biche, trans. by Jezek).
RADIO - NORMANDIE, Variety. **RADIO-PARIS**, Review. 8.15—Reading. 8.30—Sandu-Albu (Violin). **ROME and TURIN**, News (contd.). 8.30—Notes.
SOTTENS, Report: The Cycle Tour of Switzerland. 8.35—Finance. 8.55—Cabaret. **STOCKHOLM**, Talk. 8.20—Sven Nilsson (Songs). 8.50—Talk. **STRASBOURG**, News and Talk (German). 8.30—"Andromaque"—Play (Racine), by the Comédie-Française Players.
TOULOUSE, Light Music. 8.45—Excerpts, "The Merry Widow" (Lehar).
VIENNA, Reading. 8.5—"Love in the North"—Four Sketches.
WARSAW, Soldiers' Songs. 8.45—News; Talk.

MOSCOW, Czech Programme. **MÜNICH**, News. 9.10—Die Forelle (Schubert) by the Bayreuth Festspielhaus Quartet, with Raucheisen (Pfte.) (Recorded). 9.50—Poems (Carossa).
OSLO, 9.5—Recitations. 9.25—Report. 9.40—News.
PARIS (PTT), Concert (contd.). **POSTE PARISIEN**, To be announced. **PRAGUE** and **BRATISLAVA**, Comedy (contd.). 9.55—Record.
RADIO-NORMANDIE, Concert. **RADIO - PARIS**, "Soirée de chansonniers": (a) "L'Opéra de Six-Out," (b) "Caricatures radiophoniques," (c) "Car risonne"; at 9.30—News. **ROME**, "La commedia di un giovane povero"—Play (Gottaborghese).
SOTTENS, Cabaret. 9.45—Japanese Legends. **STOCKHOLM**, 9.5—Appelbaum (Pfte.). 9.45—News. **STRASBOURG**, Play (contd.). **STUTTGART**, See Cologne. 9.30—Records.
TOULOUSE, Excerpts, "The Merry Widow" (contd.). 9.10—Fantasy. 9.30—Light Music.
TURIN, Old Dance Music.
VIENNA, Sketches (contd.).
WARSAW, Polish Dances. 9.45—Recitation.

10 p.m.

ATHLONE, Variety. 10.30—News.
BEROMÜNSTER, Play (contd.). 10.35—Notes. **BRATISLAVA**, See Prague. 10.20—News (Hungarian). 10.35—Records. **BRUSSELS (1)**, News. 10.10—Records. 10.25—Accordion. **BRUSSELS (2)**, News. 10.10—Dance Music. **BUCHAREST and RADIO-ROMANIA**, "La

8 p.m.

ATHLONE, Orchestra, etc. (contd.). 8.40—Limerick To-day. **BERLIN**, "Polifem" (Buononcini). **BEROMÜNSTER**, The Cycle Tour of Switzerland. 8.15—Report. 8.25—Berne Municipal Orchestra. 8.55—Petschnig Songs. **BRATISLAVA**, Opera Music (contd.). 8.25—See Prague. **BRESLAU**, See Cologne. **BRUSSELS (1)**, Records. 8.15—Talk. 8.30—Russian Music from the Casino, Spa. Orchestra and Odnoposoff (Violin). (Tchaikovsky, Rimsky-Korsakov, Glazunov, Borodin). **BRUSSELS (2)**, Langlois Orchestra. 8.45—Recitations. **BUCHAREST and RADIO - ROMANIA**, Violin.

9 p.m.

ATHLONE, Limerick Today (contd.). 9.10—Readings. 9.30—Variety.
BERLIN, "Unter den Linden" Sequence (Rehberg) with Hoefler Music and Talk. **BEROMÜNSTER**, Petschnig Songs. 9.10—Pfte. 9.30—"Menschen auf der Eisscholle"—Play (Werner). **BRESLAU**, News. 9.15—Silesian Songs. **BRUSSELS (1)**, Russian Music (contd.). **BRUSSELS (2)**, Orchestra (contd.). **BUCHAREST and RADIO-ROMANIA**, "La Bohème" (contd.); at 9.30—News. **BUDAPEST (1)**, Programme from Lake Balaton. 9.20—News. 9.40—Klára Szarvas (Harp).

FRIDAY (August 6)

NATIONAL

For Time Signals, see Monday.
 10.15 a.m. (D)—Service.
 10.30 (D)—Weather Forecast.
 10.45 (D)—Cookery Talk.
 11.0 (D)—Records.
 11.45 (D)—May Bartlett (Soprano); Arnold Goldsbrough (Organ).
 12.30 p.m. (D)—Orchestra.
 1.15 (D)—Light Classical Concert.
 2.0 (D)—Records.
 2.45 (D)—Shula Doniach (Pfte.).
 3.15 (D)—Talk.
 3.40 (D)—"The Little Theatre Cabaret." 4.30 (D)—Records.
 5.0—John Reynders with his Orchestra: Margaret Blythe (Soprano). 6.0—The First News.
 6.25—Jack Harris and his Band.
 7.15—Gardening Talk.
 7.30—Five Hours Back.
 8.0—The Lener String Quartet.
 9.0—The Third News.
 9.20—"People on the Move."
 9.40—Kaleidoscope.
 10.15—The Serge Krish Septet: Maria Marova (Soprano).
 11.0—Romany Dance Band.
 11.30-12.0—Dance Records.

REGIONAL

For Time Signals, see Monday.
 10.15-10.45 a.m. (ex. Western)—National.
 10.45 (ex. Western)—Cinema Organ.
 11.15 (ex. Western)—Orchestra.
 12.15 p.m. (ex. Western)—The Bronkhurst Trio; Eileen Bingham (Soprano). 1.0—Records.
 1.35 (Scottish)—Herring Bulletin.
 1.45 (ex. Western)—BBC Northern Ireland Orchestra: Anne Montgomery (Mezzo-Soprano).
 2.45 (ex. Western)—Dance Records.
 3.15 (ex. Western)—Orchestra.
 3.45 (ex. Western)—BBC Midland Orchestra conducted by Leslie Heward.
 5.0 (ex. Western)—Children's Hour.
 5.0 (Western)—National.
 6.0 (ex. Western, N. Ireland)—The Karl Caylus Players.
 6.0 (N. Ireland)—Orchestra.
 6.25 (Regional, Welsh, N. Ireland)—The New English Singers.
 6.25 (Midland)—Records.
 6.25 (Northern)—Harold Warburton ("Cello"); John Davies (Pfte.).
 6.25 (Scottish)—Next Week You'll Hear. 6.35—Out to Play.
 7.0 (ex. Western)—Second News.
 7.20 (ex. Western)—Regional Announcements.
 7.30 (Regional, Scottish)—Records.
 7.30 (Midland)—BBC Midland Singers.
 7.30 (Northern)—The West Melton Victoria Male Voice Choir.
 7.30 (Welsh)—Exploring the Moon—Percy Wilkins.
 7.30 (N. Ireland)—Cinema Organ.
 7.45 (Welsh)—Records.
 8.0 (ex. Western, Welsh)—Variety.
 8.0 (Western)—Ernest W. Maynard (Organ).
 8.0 (Welsh)—"All Welsh" Concert from the Royal National Eisteddfod Pavilion, Machynlleth.
 8.35 (ex. Welsh, N. Ireland, Scottish)—"They Had Been Warned"—Kenneth Adam.
 8.35 (N. Ireland)—"The New Game Laws"—Talk.
 8.35 (Scottish)—Gaelic News.
 8.40 (Regional, Midland, Western)—Sing-song from the Duke of York's Camp at Southwold.
 8.40 (Northern)—Hawthorn Tower; Talk and singing from the Boys' Brigade Camp.
 8.40 (Scottish)—Landings at Lossiemouth.
 8.50 (N. Ireland)—Mrs. Rooney of Belfast.
 9.0 (Regional, N. Ireland)—BBC Orchestra (Section C) conducted by Joseph Lewis; Ina Souez (Soprano).
 9.0 (Midland, Northern)—Orchestra.
 9.0 (Western)—Western Announcements.
 9.0 (Welsh)—BBC Welsh Orchestra: Marjorie Grant (Soprano).
 9.10 (Western)—Christy Minstrel Songs and Chorus.
 9.15 (Scottish)—Scottish Dances.
 9.40 (ex. Midland, Welsh, Scottish)—"Is That the Law?"
 9.40 (Scottish)—Men and Matters.
 9.45 (Midland)—Talk.
 10.0 (ex. Western)—News Summary.
 10.25 (ex. Western; Scottish 10.30)—Romany Dance Band.
 10.25 (Scottish)—Sports News.
 11.30 (ex. Western)—Late News Summary.
 11.40-12.0 (ex. Western)—Records.

Hours of Transmission in British Summer Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 100 kW. Dublin, etc. see Sunday.
 1.30 p.m.—Records. 3.15—The Dublin Horse-Show: Introductory Commentary by William A. Beers on the Grand International Jumping Competition for the Aga Khan Trophy. 3.30-5.0—Grand International Jumping Competition—Commentator: Col. Michael Hogan. 5.0—Music from the Royal Dublin Society's Show Grounds. 5.30—Our First Broadcast. 6.20—Talk for Women by Mab Hickman. 6.35—Irish News Feature. 6.45—News. 7.0—Ben Jonson's Ter-Centenary: Talk on the man and his place in English Literature by Prof. Stockley. Excerpts from his plays by Gabriel Fallon. Some of his Songs sung by Robert McCullagh (Tenor).
 7.40—Irish Radio Orchestra. Robert McCullagh (Tenor) and Charles O'Doherty (Violin). Overture, "Mirella" (Gounod). Selection, "New Moon" (Romberg). Suite, Rustic Revels (Fletcher).
 8.40—Limerick to-day, presented by Desmond Bell. 9.10—Vincent Durran in Dramatic Readings. 9.30—Variety. 10.30-11.0—News.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 6.0 a.m.
 12.0 noon—See Cologne; at 1.0 p.m.—Midday Echoes. 2.0—News. 2.15—Light Music—Heyden Band. 3.15—Markets. 3.35-4.0—Records. 4.30—Sports.
 5.0—Piel (Pfte.) and Wind Quintet. Sonata (Trapp). Chamber Music (Knorr). 5.30—Week-end Hints.
 6.0—Waldemar Hass Quintet. 7.0—Evening Echoes. 7.20—Variety Records. 7.50—News. 8.0—"Polifem" (Buononcini), Members of the Station Orchestra. Conductor: Steiner. Priegnitz (Harpichord). Cast: Albert Fischer, Hannele Frank, Karl Schmitt-Walter, Hildegard Erdmann, Helmut Melcher, Gertrud Callam and Erika Legart.
 9.0—"Unter den Linden"—Sequence (Rehberg), Music by Hoeffler. Introductory Talk by Dr. Lippert. 10.0—News; Sports. 10.30-12.0 m't.—See Deutschlandsender.

BEROMÜNSTER

(Switzerland)
 556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.).
 6.15-6.40 a.m.—Records. 12.0 noon—Old Favourites. 12.29 p.m.—News. 12.40-1.30—Opera Records. 4.30—Records.
 5.0—Opera Records. 6.0-7.10—From Berne. 6.0—For Children. 6.35—Records. 7.0—Announcements.
 7.10—Programme from the Scout Jamboree at Vogelzang, Holland. 7.45—News. 7.55—The Cycle Tour of Switzerland. 8.15—Report: The International Shooting Championships at Helsinki. 8.25—Berne Municipal Orchestra. Conductor: Jaeggi. 8.55—Peterschnig Songs by Ernst Märki. 9.10—Huber (Pfte.). 9.30—"Menschen auf der Eisscholle" (Men on the Ice Floe)—Three-Act Play (Werner). 10.35—Announcements.

BRATISLAVA

(Czechoslovakia)
 1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 6.0 a.m.
 6.0 p.m.—Hungarian Transmission: Topical; Records; Talk. 6.45-7.10—See Prague. 7.10—Simandl ("Cello"). 7.30—Talk.
 7.45—Opera Overtures and Intermezzi. Station Orchestra. Conductor: Dyk. Overture, "The Kiss" (Smetana). Intermezzo, "In the Well" (Blodek). Overture, "Vanda" (Dvořák). Intermezzo, "Thais" (Massenet). Overture, "Mignon" (Thomas). Intermezzo, "Cavalleria Rusticana" (Mascagni). Overture, "Martha" (Flotow).
 8.25-10.20—See Prague. 10.20—News (Hungarian). 10.35-11.0—Records.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz, 1,231 kc/s (243.7 m.). Transmits at intervals from 5.0 a.m. 12.0 noon—See Stuttgart; at 1.0-

1.15 p.m.—News. 2.0—News; Markets.
 2.15-3.0—Variety from Deutschlandsender.
 4.0-6.0—See Deutschlandsender; at 5.0-5.10—Books. 6.0—Talk: The Peasant Embroiderers of the Black Forest. 6.20—A Story. 6.30—Topical. 6.50—Programme Notes; Markets. 7.0—Trio.
 7.40—See Cologne. In the interval, Sketch. 9.0—News. 9.15 (from Gleiwitz)—Silesian Songs by Hitler Youth. Kreuzburg Municipal Band, and Obst (Bass). 10.0—News. 10.10—Report: Ambulance Work in Railway Accidents. 10.30-11.30—See Deutschlandsender.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 6.0 a.m.
 5.40 p.m.—German Transmission: Sports; Augusta Korschon (Soprano); Records. 6.15—Vlasta Stolejová (Old French Berceuses). 6.35—For Scouts. 6.45-7.45—See Prague. 7.45—See Bratislava. 8.25-11.0—See Prague.

BRUSSELS (No. 1)

(Belgium)
 620 kc/s (483.9 m.); 15 kW. 6.37-9.0 a.m.—Records; Gym; News. 12.0 noon—Alexys Orchestra. 12.20 p.m.—Suzanne Levaque (Songs). 12.30—Weather; Shipping. 12.31—Alexys Orchestra. 1.0—News. 1.10—Records. 1.20—Houssa (Songs). 1.30—Records. 2.0—Art Notes. 4.55—News. 5.0—De Buscher (Accordion). 5.20—Dialogue: Holidays. 5.30—Records. 6.0—Sports. 6.15—Records. 6.30—Delvigne (Pfte.). Love Song (Padewesky). Humoresque (Dvořák). Prelude in G sharp minor (Rachmaninov). Helvétia (d'Indy). Suite, "Peer Gynt" (Grieg). 7.0—Talk.
 7.15—Bellemans (Ravel, Fauré, and Vellère Songs).
 7.30—News. 8.0—Records. 8.15—Talk.
 8.30—Russian Music from the Casino, Spa. Orchestra and Odnoosov (Violin). Sixth Symphony (Tchaikovsky). Violin Concerto in D (Tchaikovsky). Spanish Caprice (Rimsky-Korsakov). Violin Concerto (Glazunov). Polovtsian Dances (Borodin).
 10.0—News. 10.10—Records. 10.25-11.0—Deleuze (Accordion). 11.0—La Brabançonne.

BRUSSELS (No. 2)

(Belgium)
 932 kc/s (321.9 m.); 15 kW. Programme in Flemish.
 6.37-9.0 a.m.—Records; News; Gym. 12.0 noon—Records. 1.0 p.m.—News. 1.10—Max Alexys Orchestra, from the Alhambra Theatre. 2.0—Shipping. 4.55—News. 5.0—Candrix Orchestra, from the Casino-Kursaal, Blankenberghe.
 6.0—Strens Quartet. Quartet (J. Chr. Bach). Quartet (Strens).
 6.45—Books. 7.0—Records. 7.30—News.
 8.0—Langlois Orchestra. Waltz Potpourri, Sing-Song (Goldwin). Solitude (Langlois). Strauss Potpourri (Salabert). Gavotte, Rendezvous (Aletter). La Paloma (Yradier). Pamela (Barcy).
 8.45—Recitations.
 9.0—Orchestra (contd.). Fantasia, On with the Show (Nicholls). At the Forge (Eilenberg). Potpourri, Diamonds and Pearls (Dostal). Melody (Hugo Weber). Potpourri, Wir bitten um Gehör (Borchert). Souvenir of the Ukraine (Ferraris). Waltz, Donauwellen (Ivanovici).
 10.0—News. 10.10-11.0—Dance Music by the Felleman Orchestra, from the Casino-Kursaal, Blankenberghe.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania (Brasov), 160 kc/s (1,875 m.). Transmits at intervals from 5.50 a.m.
 6.0 p.m.—Weather. 6.3—Romanian Music by the Julea Orchestra. 7.30—Talk. 7.50—Bobesco (Violin).
 8.20—"La Bohème" (Puccini), by the Cast of the Scala, Milan (Records); at 8.55—Books; at 9.30—News, and at 10.5—Sports. 10.45—News (French, German, Romanian).

BUDAPEST (No. 1)

(Hungary)
 546 kc/s (549.5 m.); 120 kW. Transmits at intervals from 6.45 a.m.
 12.0 noon—Chimes. 12.5 p.m.—Foreign Choirs at the International

Choral Festival at Budapest. 1.45—Rejtő ("Cello"). 2.40—News. 3.0—Markets. 4.15—Reading. 4.45—News. 5.0—Talk.
 5.30—Frau Oláh (Songs). Old Song (Bizet). Aria, "Figaro" (Mozart). Alleluia (Mozart). Aria, "Norma" (Bellini). Swallow's Song (Dell'Acqua). Les Filles de Cadix (Delibes). 6.0—Talk.
 6.30—Farkas Cigány Band.
 7.30—Programme from Lake Balaton. 9.20—News.
 9.40—Klára Szarvas (Harp). 10.15—Station Orchestra. In the interval, News in English. 11.20—Dance Band. 12.5 a.m. (Saturday)—News.

BUDAPEST (No. 2)

(Hungary)
 359.5 kc/s (834.5 m.); 18 kW. 6.30 p.m.—To be announced. 7.30—Records. 8.30—News. 8.50—Vidák Cigány Band.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 5.50 a.m.
 Cologne Day at the Berlin Radio Exhibition.
 12.0 noon—Cologne Workers' Band and Choir from the Radio Exhibition. 1.0 p.m.—News; Greetings. 1.15—Folk Music from the Funkturngarten, at the Radio Exhibition. 2.0—News. 2.15—Siegerland Miners' Band, from the Radio Exhibition. 3.0—"Doktor Bevvah"—Play (Schneider-Clauss). 3.20-7.0—From the Radio Exhibition.
 3.20—Station Orchestra. Conductor: Eysoldt. Leiseifer (Tenor).
 4.0—"The Treasure Chest"—Elisabeth Reichelt (Soprano) and Haass (Pfte.).
 4.20—"Carolus Magnus" Workers' Choir, and Workers' Band.
 5.0—Haass (Pfte.), Schäffer (Violin), Steinmann ("Cello) and Ingrid Fernolt (Speaker). 5.20—Where are you, Comrade? 5.45—Marching Songs by Boys and Girls. 6.20—"Die Hämmeraufe"—Play (Lersch). 6.40—West German Folk Groups at the Radio Exhibition. 7.0—Folk Songs and Dances. 7.30—News.
 7.40—Variety Concert—Station Orchestra. Conductor: Eysoldt. Melitta Wittenbecher (Soprano), Engels (Tenor), Schneider (Bass-Baritone), etc.
 9.30—Dance Music from Deutschlandsender. 10.0—News; Sports. 10.30-12.0 m't.—See Deutschlandsender.

DEUTSCHLANDSENDER

(Germany)
 191 kc/s (1,571 m.); 60 kW. Transmits at intervals from 6.0 a.m.
 12.0 noon—See Hamburg; at 12.55 p.m.—Time; Greetings. 1.45—News.
 2.0—Variety. 3.0—Announcements. 3.15—Children's Choir. 3.40—For Girls.
 4.0—Light Orchestral. Conductor: Dobrindt; at 5.0-5.10—Reading. 6.0—Lore Fischer (Contralto) and Steuer (Pfte.). 6.45—Report from the Radio Exhibition.
 7.0—Variety. 7.45—Topical. 8.0—Motto; News.
 8.10—Joost Dance Band. Küster and Kiermeir (Pfte. Duo) and Schulz (Songs). 10.0—News; Sports.
 10.30-12.0 m't.—Bund Band, with Mensing (Songs) and Puchelt (Pfte.); at 10.45-11.0—Weather.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Cassel, etc. See Sunday. Transmits at intervals from 6.0 a.m.
 12.0 noon—See Stuttgart; at 1.0 p.m.—News. 2.0—News.
 2.10—Variety from Deutschlandsender. 3.0-3.15—Talk; Markets. 4.0—Station Orchestra. 6.0—Topical. 7.0—Records.
 7.40—See Cologne. 9.0—News. 9.15—"The Peasantry"—Readings from Böhme, Springenschmid, Kneip, Oppenber; Music by Egk and Schönherr, etc., with the Station Choir.
 10.0—News; Sports.
 10.30—Burkart Dance Band. 12.0 m't.—1.0 a.m. (Saturday)—See Stuttgart.

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW. Bremen, etc. See Sunday. Transmits at intervals from 5.45 a.m.
 12.0 noon—Concert from Bremen. 2.0 p.m.—News. 2.15—Music. 3.0—Shipping; Markets. 3.25—Records. 4.0—Orchestra; Talks. 6.0—Sports.

6.10—Trio (Graener, Sixt), by the Schulz-Fürstenberg Trio. 6.45—Shipping.
 7.0—Light Music and Dance Music.
 8.0—Station Orchestra. Conductor: Schlemm; Erna Berger (Soprano), Hamann (Violin) (Recorded); at 9.0—News. 10.0—News.
 10.30-12.0 m't. (from Hanover)—Symphony Orchestra. Conductor: Schönherr.

HILVERSUM (1,875 m.)

(Holland)
 160 kc/s; 10 kW until 7.40 p.m.; 150 kW from 7.40 p.m.
 7.40-9.40 a.m.—VARA Programme: Records.
 9.40-10.0—VPRO Religious Programme.
 10.0-11.40—VARA Programme. 10.0—Recitations. 10.20—Salomon (Violin), Contran (Pfte.). 10.40—Recitations. 11.0—Steyn (Organ). 11.40 a.m.—3.40 p.m.—AVRO Programme. 11.40—Time. 11.41—Light Music. Kovacs Lajos Orchestra. Nina Dolce (Violin). 1.40—Emmy van Riel (Violin), Boris Lensky (Pfte.), Mme Jalink-Verhoeckz (Pfte.). 2.55—Records.
 3.40-7.10—VARA Programme. 3.40—Records. 4.40—For Children. 5.10—"The Fantasia." Conductor: Wals. 6.10—Political Review. 6.30—Records and Talk.
 7.10-8.40—VPRO Programme. 7.10 News; Talk. 7.40—Luyken (Pfte.). 8.10—Talk. 8.40-10.20—VARA Programme. 8.40—Light Symphony Orchestra. Conductor: Blazer. 9.40—Alice Simon (Mezzo-Soprano). 10.10—News.
 10.20—VPRO Religious Programme. 10.30-11.40—VARA Programme. Records.

HILVERSUM (301.5 m.)

(Holland)
 995 kc/s; 15 kW until 7.40 p.m.; 60 kW from 7.40 p.m.
 KRO Programme.
 7.40-8.55 a.m.—Records. 9.40—Records. 11.10—Religious Address. 11.40—News. 11.55—KRO Orchestra. Conductor: Reinards; at 12.40-1.0 p.m.—Records. 1.40—Records. 1.55—KRO Melodists. Conductor: Lutenhouwer. Klein Jr. (Refrains); 2.40—Records. 2.55—KRO Melodists (contd.). 3.40—Records. 3.55—KRO Orchestra. Conductor: Reinards. 4.40—Records. 4.55—Dreissen (Organ); 5.40—Talk. 6.0—Dreissen (Organ). 6.40—News; Talk; Records; News.
 7.55—KRO Melodists. Conductor: Lutenhouwer. Klein Jr. (Refrains), Celine de Vries (Songs and Accordion) and Robin Fox (Siffleur). 9.40—Report on the Scout Jamboree (Recorded). 10.10—News. 10.20—KRO Boys. Conductor: Lutenhouwer. Klein Jr. (Refrains). 10.55-11.40—Records.

KALUNDBORG (Denmark)

240 kc/s (1,250 m.); 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.). Transmits at intervals from 7.0 a.m.
 12.0 noon-2.0 p.m.—Brink Orchestra. 2.50—Radio Orchestra. Conductor: Hye-Knudsen; at 3.35—For Women. 4.50—Wireless Notes. 5.10—Tourist Talk. 5.25—Weather; Exchange; Markets. 5.50—Record. 5.55—The Merry Singers Trio. 6.15—Weather. 6.20—Talk: Fiction and Reality. 7.0—News. 7.30—Talk: Agriculture and Raw Materials. 8.0—Weekly Review by Per Knutzen. 8.10—Talk: Setting up House.
 8.30—Wind Band from Randers. Conductor: Grondahl. Jubilee March (Allin). Overture, "Light Cavalry" (Suppé). Waltz, Dagmar (Lumbve). -Bassoon: Drinking Song, "Lulu" (Kuhlau). Brudeferden i Hardanger (Kjerulf). Polonaise, "A Life for the Tsar" (Glinka). Oriental March (Andersen). Danish Radio March (Wantszig). Overture, "Le lac des fées" (Auber). Delawareklänge (Gung'l). Polka (Lumbve). Finale, "Orpheus in the Underworld" (Offenbach). Gallop, "The little Mermaid" (Henriques); at 9.20—Reading.
 10.30—News. 10.50 p.m.—12.30 a.m. (Saturday)—Lyngø Dance Band; at 12.0 m't.—Chimes.

KÖNIGSBERG (Heilsberg)

(Germany)
 1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.). Transmits at intervals from 5.0 a.m. 12.0 noon—See Stuttgart. 2.0 p.m.

—News; Talk; Variety. 3.30—Anna-Magdalena Bach—Scenes with Music. 3.55—Orchestra; at 4.50—Reading. 5.45—Talk. 6.0—See Leipzig. 6.50—Announcements. 7.0—Talk. 7.10—Topical. 7.30—News. 7.40—Cologne Station Orchestra, from the Radio Exhibition, Berlin. 9.0—Station Orchestra. Conductor: Brückner. Overture, "Tancredi" (Rossini). Suite, "Peer Gynt" (Grieg). Arias, "Aida" (Verdi). Rhapsody (Liszt). Accelerationen - Walzer (Strauss). 10.0—News. 10.20-12.0 m't.—Light Music and Dance Music.

LAHTI (Finland)
166 kc/s (1,807 m.); 150 kW. Relayed by Helsinki, 895 kc/s (335.2 m.).
Transmits at intervals from 7.5 a.m. 5.0 p.m.—Report: The International Shooting Championships. 5.30—Records: Vocal Ensemble and Military Band. 5.40—Talk. 6.0—News (Finnish, Swedish). 6.15—Sola (Songs). Aria, "I Pagliacci" (Leoncavallo). Der Erikönig (Schubert). Aria, "Eugen Onegin" (Tchaikovsky). Song (Melartin). Song of the Flea (Mussorgsky). Song (Kapp). Folk Songs (arr. Kauppi). Song (Ranta). 6.40—Talk, from Viipuri. 7.0—Play (Arvily). 7.50—Light Music by the Radio Sextet. Conductor: Cronvall. 8.45—News (Finnish, Swedish). 9.10 and 9.25—Reports: The International Shooting Championships. 9.40-11.0—Records.

LEIPZIG (Germany)
785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.).
Transmits at intervals from 5.50 a.m. 12.0 noon—Band from Halle. 1.0 p.m.—News. 1.15—Orchestra from Saarbrücken. 2.0—News; Markets. 2.15—Records. 3.20—A Story. 3.40—For Hitler Youth. 4.0—See Deutschlandsender. 5.0—Time; Weather; Industrial Review. 5.10—Records. 5.50—Talk. 6.0 (from Dresden)—Dresden Philharmonic. Conductor: Blumer. Trepte (Baritone). Schaefer (Pfte.). 7.45—"The Emperor's Nightingale"—Fairy Tale after Andersen (Reichardt). 9.0—News. 9.15—Light Music—Station Orchestra. Conductor: Kretzschmar. Overture, "Isabella" (Suppé). Two Slav Dances (Dvořák). Suite, Aus einer kleinen Stadt (Schmalstich). Waltz, Bayrische Geschichten (Richardt). Romance (Gebhardt). Airs, "Das Fürstentum" (Lehár). Rhapsody (Kaempfert). 10.15—Nazi Publications. 10.30—News. 10.50-12.0 m't.—Steinbach Dance Band.

LILLE (Radio PTT Nord) (France)
1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.30 a.m. 8.30 p.m. (Also Limoges (PTT) and Toulouse (PTT))—From the Opéra: "The Damnation of Faust" (Berlioz) and "The Swan Lake" (Tchaikovsky). 11.15 p.m.—12.30 a.m. (Saturday)—Music from Paris (Radio-Paris).

MONTE CENERI (Switzerland)
1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 12.0 noon. 12.0 noon—Records. 12.30 p.m.—News. 12.40—Film Review. 1.30-1.45—Sports. 5.0-6.0—See Beromünster. 7.25—Report: The Cycle Tour of Switzerland. 7.45—News. 7.55-9.30—To be announced.

MOSCOW (No. 1) (Russia)
172 kc/s (1,744 m.); 500 kW. 5.30 p.m.—Programme from Kiev. 7.0—Concert. 9.0—Czech Programme. 9.55—Kremlin Chimes. 10.5—English Talks: (a) The Stalin Constitution and the Elections, (b) A Member of the Moscow Soviet at the Microphone. 11.0—German Programme. 12.0 m't.—Spanish Programme.

MUNICH (Germany)
740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.).
Transmits at intervals from 6.0 a.m. 12.0 noon—Light Orchestral. 1.0 p.m.—News. 1.15—Records. 1.45—News.

2.0—See Deutschlandsender. 3.0—Talk. 3.15-3.30—Kindergarten. 4.0—Lind Meyke (Soprano), Margarethe Klatt (Violin) and Schmidmeier (Pfte.). 4.40—Talk. 5.0 (from Nürnberg)—Light Music—Vocal Trio, Neckkamm (Speaker) and the Station Orchestra. Conductor: Böhm. 6.30—Time; Weather; Industrial Notes. 6.45—Topical. 7.0—Old and New Marches—Schreck Band. Conductor: Gaul. In the interval, News. 8.0—Records. 9.0—News. 9.10 (from Nürnberg)—Die Forelle (Schubert) by the Bayreuth Festspielhaus Quartet, with Raueisen (Pfte.) (Recorded). 9.50—Poems (Carossa). 10.0—News; Sports. 10.30-12.0 m't.—See Deutschlandsender.

OSLO (Norway)
260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday. Transmits at intervals from 10.5 a.m. 5.0 p.m.—Light Orchestral, from Trondheim. 6.30—Reading. 7.0—News. 7.30—Time; For Farmers. 7.45—Records. Song (Wagner). Excerpts, "I Pagliacci" (Leoncavallo), "Faust" (Gounod), None but the Weary Heart (Tchaikovsky). 8.5—Sketch. 8.20—Light Music. 9.5—Recitations. 9.25—Report: The International Shooting Championship at Helsinki. 9.40—News. 10.0—Topical. 10.15-11.0—Bergen Orchestra.

PARIS (Eiffel Tower) (France)
1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 7.30 a.m. 8.0 p.m.—Television. 8.30—Romanian Poetry—Talk, with Marguerite Gilles-Martin (Recitations). 9.0—Chamber Music by the Capelle Quartet, Anita Cartier and Mme. Coupigny ("Cellos), Maria Branzenze (Songs) and Jeanne-Marie Darré (Pfte.). Quintet (Schubert). Romance (Schumann). Nachtlied (Schumann). Waltz (Chopin). Five Songs (Schubert). Mouvements perpétuels (Poulenc). Prelude (Prokofiev). Allegro barbare (Bartok). Songs: (a) La grève



Curt Kretzschmar, conductor of Leipzig 9.15 p.m. concert

(Debussy), (b) L'enfant et les sortilèges (Ravel). Sonata for Two Violins (Honegger).

PARIS (Poste Parisien) (France)
959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m. 12.0 noon—Exchange. 12.5 p.m.—Records. 12.35—Exchange. 12.39—Records of the Dajos Bela Orchestra. 1.15—Records. 1.30—Records: Excerpts, "Ceux de la légion" (Scotti). 2.0, 3.45, 4.35 and 6.0—Exchange. 6.5—Bridge Lesson. 6.20—Records: Symphonie fantastique (Berlioz). 6.53—News. 7.20—Talk. 7.25—Records of Germaine Lix. 7.40—Records of Harry Roy's Dance Band. 8.0—Topical. 8.5—La bonne histoire. 8.20—"Under the Lamp"—Sketch (Diamant-Berger). 8.55-12.0 m't.—To be announced.

PARIS (PTT) (France)
695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.30 a.m. 4.15 p.m.—Marcelle Stach (Songs). 4.30—Debussy Records. 5.0—Science Talk. 5.10—Godard and Gounod Records. 5.40—Talks. 6.0—Max Moutia (Songs). 6.15—Odette Soumaille (Songs). 6.30—Opera Records. Excerpts, "Raymond" (Thomas), "Lakmé" (Delibes), "Le Roi malgré

lui" (Chabrier), "Le Cid" (Massenet). 7.0—News. 8.0—Variety. 8.30 (also Marseilles (PTT) and Alpes-Grenoble (PTT))—Ballets Rambert from the Casino, Vichy. 10.0—Sibelius Records. Finlandia. Tempo di boitro. Karelia Suite. Valse triste. 10.30—News. 10.45-11.0—French Music—Records. Dimanche de Pâques sur la mer (Dupont). Impromptu caprice (Pierné). Havanaise (Saint-Saëns).

PARIS (Radio-Paris) (France)
182 kc/s (1,648 m.); 80 kW. Time Signals at 7.15 a.m., 12.30 p.m., 8.40 p.m., and 10.45 p.m. 6.50 a.m.—Records; at 7.0—Gym. 7.30—News. 8.0-8.30—"Flowers"—Records. 10.15—Records. 11.45—Aubert Records. 11.55—Talk. 12.0 noon—Jacbara Orchestra. Conductor: Boulais; at 12.15 p.m.—Talk. 1.15—Loettia Denuit (Songs). 1.30—News. 1.45—Jacbara Orchestra (contd.). 2.0—Reading. 2.15—Talk. 2.30—Acts I, III and IV, "Gotte"—Play (Meilhac). 4.0—Paris Woodwind Trio and Lovano (Songs). Trio (Beethoven). Arias (Gluck, Mendelssohn). Fantasia for Oboe (d'Indy). Three Songs (Faure). Pieces for Trio (Ibert). 5.0—Reading. 5.20—Films. 5.30—Rosine Schor (Songs). 5.45—Song Records. 6.0—For Women. 6.30—Talks. 7.0—Nelly Borello (Songs). 7.15—Petitpas (Songs). 7.30—Germaine Salomon (Pfte.). La Puerta Del Vino (Debussy). Les collines d'Anacapri (Debussy). Danse des matelots (Sauguet). Entrée de Conchita (Turina). Miramar (Turina). 7.45—Andrée Famin (Songs). 8.0—Political Review. 8.15—Reading (Giraudoux). 8.30—Sandu-Albu (Violin). Introduction and Rondo (Saint-Saëns). Tzigane (Ravel). Romanian Folk Dances (Bartok). Romanian Songs (Sandu-Albu). Bagatelle (Scareatesco). 9.0—Soirée de chansonniers, presented by Jean Vercet: (a) "L'Opéra de Six-Out" (b) "Caricatures radiophoniques," (c) "Ca résonne"; at 9.30—News. 10.30—Music-Hall Records. 10.45—News. 11.0 p.m.—12.30 a.m. (Saturday)—Concert. Conductor: René-Baton. Violette d'Ambrosio (Violin). Overture in B flat (Arne-Hebauge). Jour d'été à la montagne (d'Indy). A Marie endormie (Ropartz). Bal Vénitien (Delvincourt).

PRAGUE (Czechoslovakia)
638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 6.0 a.m. 4.10 p.m.—Osten Dance Band. 4.50—Poems. 5.5—Popular Concert. Czech Philharmonic. Conductor: Seina. Overture, "In the Well" (Bledok). Suite, "Lazy John" (Nedbal). 5.40—Topical. 5.45—Talk. 5.55—Markets. 6.5—Talk, and For Workers in German. 6.45—News (German). 6.55—Review (German). 7.0—News. 7.10—Talk: Gipsies. 7.25—Folk Songs from Moravská-Ostrava. 7.45—See Bratislava. 8.25—"Le voyage de M. Perrichon"—Comedy (Labiche). Trans. by Jezek. 9.55—Record. 10.0—News; Sports. 10.20—Record. 10.25—String Quartet in A minor (Schubert) by the Prague Quartet. 11.0-11.15—News (Russian).

RADIO-NORMANDIE (France)
1,113 kc/s (269.5 m.); 15 kW. 6.45 a.m.—Military Band. 7.0—News. 7.45—Joe Murgatroyd. 8.0—Light Music. 8.45—Songs. 9.0—Records. 9.15—Light Music. 9.30—Records. 9.45—Alfredo Campoli and his Orchestra. 10.0—Light Music. 10.15—Records. 10.30—Light Music. 11.0—Film Music. 12.0 noon—Cigany Band. 12.20 p.m.—Concert; at 12.35—News. 2.0—Records. 2.30—Report: The Paris Exhibition. 2.45—Light Music. 3.0—Records. 3.30—Henry Hall's Dance Band. 4.0—Light Music. 4.30—Records. 4.45—Light Music. 5.0—For Children. 5.30—Light Music. 6.0—Children's Corner. 6.45—Talk; News; Racing Results. 7.0—Concert. 7.40—News. 8.0—Variety Items.

9.0—Concert. 11.0—Café Concert. 12.0 m't.—Midnight Melodies. 12.30 a.m. (Saturday)—Light Music. 1.0—Records. 1.30-2.0—Dance Music.

ROME (Italy)
713 kc/s (420.8 m.); 50 kW. Naples, etc. See Sunday. Transmits at intervals from 7.45 a.m. 5.0 p.m.—News. 5.15-5.50—Elena Cheli (Soprano), Maria Luisa Faini (Pfte.). 7.0—Talk in French; Music; Announcements. 7.53—News in Foreign Languages. 8.10—Time; News. 8.30—Government Announcements. 9.0—"La commedia di un giovane povero"—Three-Act Play (Gotta-Borghesio). 10.15—Variety Concert. Orchestra, Conductor: Mancini. 11.0—News. 11.15—News (English). 11.30-11.50—Dance Music.

SOTTENS (Switzerland)
677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.). 12.29 p.m.—News. 12.40-1.30—See Monte Ceneri. 5.0—Records. 5.55—Report from Soleure: The Cycle Tour of Switzerland. 6.25-7.50—From Geneva. 6.25—Talk: Cycle Tours. 6.35—Interlude. 6.40—Announcements. 6.50—Sports. 7.5—For Alpinists. 7.15—Interlude. 7.25—Micro-Magazine. 7.50—News. 8.0—Report from Soleure: The Cycle Tour of Switzerland. 8.35 till Close Down—From Geneva. 8.35—Financial bulletin. 8.55—Cabaret. Orchestra, Conductor: Pasche. 9.45—Japanese Legends. 10.0—Records. 10.25-10.30—Talk: The International Shooting Championships in Helsinki.

STOCKHOLM (Sweden)
704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday. Transmits at intervals from 7.45 a.m. 5.5 p.m.—For Children. 5.30—Records. 6.30—Talk. 7.0—Inga Ekelund (Folk Songs). 7.15—News. 7.30—Programme from Abroad. 8.0—Talk. 8.20—Sven Nilsson (Songs). 8.50—Talk. 9.5—Appelbaum (Pfte.). 9.45—News. 10.0—Radio Orchestra. Overture, "Der Opernball" (Heuberger). Je t'aime (Waldteufel). Vivat Hungaria, from "Der Teufelsreiter" (Kálmán). Saxophone Quartet: The Way you look tonight (Kern). Spanish Legend (Rust). Auf dem Rummelplatz (Mohr). Trumpet: Tone Poem (Goldberg). Selection, "Tip Toes" (Gershwin). Pfte. Duet: Silver Bells (Uhlemann). Drachselmarsch (Fucik). 11.0-11.5—Chess Report.

STRASBOURG (France)
859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m. 4.0 p.m.—Beethoven Concert by the Municipal Orchestra. Conductor: Munch. Bergmann (Violin). Violin Concerto. Leonora Overture. 4.50—Exchange. 5.0—Talk. 5.15—Saxophone Recital. 5.30—Talk in German. 5.45—Concert. Germaine Letrillart (Contralto), Inès Maujean (Soprano), Rumetzh (Violin) and Kientzel (Clarinet). Two Songs (Mendelssohn). In questa tomba oscura (Beethoven). La femme du soldat (Rachmaninov). Le vent (de la Presse). Musique sur l'eau (Vaubourgoin). Au bord de l'eau (Faure). Fantasia for Clarinet (Gaubert). Hymne à la forêt (Georges). Le printemps (Eranger). Les rêves (Gretchaninov). 6.30—Educational. 7.0—News. 7.30—Economics. 7.45—News. 8.0—News (German). 8.15—For Farmers (German). 8.30 (Also Rennes-Bretagne)—"Andromaque"—Five-Act Play (Racine) by Comédie-Française Players. 10.30—News. 11.0—News (German). 11.5 p.m.—12.30 a.m. (Saturday)—Concert from Paris (Radio-Paris).

STUTTGART (Germany)
574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m. 12.0 noon—Light Orchestral, from Saarbrücken; at 1.0 p.m.—News. 2.0-3.0 and 4.0-6.0—See Deutschlandsender. 6.0—Topical. 7.0—Soldier Songs and Poems by Hitler Youth. 7.40—See Cologne. 9.30—Records. 10.0—News; Sports. 10.30—See Deutschlandsender.

FRIDAY (August 6)

12.0 m't.—1.0 a.m. (Saturday)—Concert. Part I, Military Bands. Märkische Heide (Lincke). Rakoczy Overture (Kéler-Béla). Polka (Parlow). Das Lieben bringt gross' Freud (Gnauck). Cavalry March (Ruth). Part II, Records.

TOULOUSE (Radio-Toulouse) (France)
913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.30 a.m. 7.0 p.m.—Opera Arias. 7.15—News. 7.40—Light Music. 7.45—Dance Music. 8.15—Light Music. 8.30—Military Band. 8.45—Excerpts, "The Merry Widow" (Lehár). 9.10—"Loïn de toi"—Fantasy. 9.30—Film Songs. 9.45—Argentine Orchestra. 10.0—News. 10.15—Light Music. 10.35—Scotto Music. Excerpts, "Les Gangsters du Château d'Iff," "Un de la Canebière," "Trois de la marine," "Au pays du Soleil," "Marinella." 11.0—Marches. 11.15—Chansonnettes. 11.35—Light Music. 11.50—Announcements.

TURIN (No. 1) (Italy)
1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday. Transmits at intervals from 7.45 a.m. 5.0 p.m.—News. 5.15-5.50—Buranello (Cello). 7.0—Orchestra. Conductor: Salerno. 7.40—News in Foreign Languages. 8.10—Time; News. 8.30—Government Announcements. 9.0—Old Dance Music. 10.20—Chamber Music. Quintet in E flat (Mozart). Concerto for Five Instruments (Ghedini). 11.0—News. 11.15-11.50—Dance Music.

VIENNA (Austria)
592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday. Transmits at intervals from 6.45 a.m. 5.5 p.m.—Talk: Old Russian Fairy Tales. 5.30—Leo Birkenfeld (Pfte.). Organ Fantasia and Fugue in G minor (Bach-Liszt). Intermezzo in A (Brahms). Waltz in A flat (Brahms). Scherzo in E (Chopin). 6.0—Sports. 6.10—Talk: Travelling in Austria. 6.25—Talk: On the Battlefields of Galicia. 6.50—Cultural Review. 7.0—Time; News. 7.10—Topical Talk. 7.25—Old and New Songs. Duddy Delisnon and the Station Orchestra. 8.0—Reading. 8.5—Love in the North—Four Sketches: (a) "The Stranger's Greeting" (Curt Berg, trans. by Marie Franzos); (b) "Midsummer's Night"—Sketch in Six Dialogues (Esther Bonnesen, trans. by Christel Kolm); (c) "Reunion" (Hans Nüchtern); (d) "For Married People Only"—Dialogues (Christian Taureggen). 10.10—News. 10.20—Records of the London Philharmonic, conducted by Sir Thomas Beecham. Suite, "L'Arlesienne" (Bizet). Slav Rhapsody (Dvořák). Overture, "La scala di seta" (Rossini). Excerpts, "Solomon" (Handel). 10.55—Announcements. 11.0-11.30—Records: Light Music and Dance Music.

WARSAW (Poland)
224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday. Transmits at intervals from 6.15 a.m. 11.57 a.m.—Time; Fanfare. 12.3 p.m.—News. 12.25-1.0 (from Poznań)—Military Band. Conductor: Chmielewicz. March (Chmielewicz). Selection, "Halka" (Moniuszko). Songs (Chmielewicz). March (Chmielewicz). 3.45—Industrial News. 4.0 (from Lwów)—For Invalids. 4.15 (from Katowice)—Choir. Conductor: Niezko. 4.45—Report. 5.0—Rachon Ensemble. 5.50—Talk. 6.0—Letter-box. 6.10—Programme Notes. 6.15—Talk. 6.20—Abraham and Benatzky Operetta Records. 6.50—Topical Talk. 7.0—Polish Song Records. 7.50—Sports. 8.0—Soldiers' Songs by the Station Quartet and Luczak (Bass). 8.45—News. 8.55—Topical Talk. 9.0—Polish Dances—Station Orchestra. Conductor: Gorzynski. 9.45—Recitation. 10.0—Michalowski (Songs). 10.30—Records: Lithuanian Rhapsody (Karłowicz) (Recorded). 10.50-11.0—News; Press Review.

SATURDAY August 7

12 noon

HAMBURG and **SOME GERMAN STATIONS**, Concert from the S.S. Lichterfelde on the Spree.
RADIO-PARIS, Derveaux Orchestra.

1 p.m.

BERLIN, **COLOGNE** and **FRANKFURT**, News; Programme from Hamburg.
HAMBURG, Concert (contd.), followed by Wind Band.
RADIO-PARIS, Derveaux Orchestra. 1.15—Songs. 1.30—News. 1.45—Orchestra (contd.).

2 p.m.

BERLIN, **COLOGNE**, and **FRANKFURT**, News. 2.15—See Hamburg. **BRESLAU**, News. 2.15—Variety from Deutschlandsender. **BRUSSELS** (1), 2.3—Records: "The Barber of Seville" (Rossini).
DEUTSCHLANDSENDER, Variety.
HAMBURG, News from the Radio Exhibition. 2.15—Variety from the Radio Exhibition. **HILVERSUM** (1,875 m.), Concert; at 2.10—Records. 2.50—Talk. **HILVERSUM** (301.5 m.), 2.10—KRO Melodists. 2.40—For Children.
KALUNDBORG, 2.55—Hansen's Ensemble. **KÖNIGSBERG**, News; Talk. 2.15—Variety.
LEIPZIG, News. 2.15—Records. **MUNICH**, News; Sports. 2.25—Musical Sketches (Brosig).
PARIS (PTT), Talk. 2.30—Concert: Cello, Songs and Sketch. **RADIO-PARIS**, Talks.
STUTTGART, Records. 2.15—See Hamburg.

3 p.m.

ATHLONE, Records. 3.30—Royal Dublin Society Show, Ballsbridge, Dublin. International Jumping Competition open to the World.
BERLIN, Records: Ballet Music, "Faust" (Gounod). 3.15—Exchange. 3.30—Songs. 3.45—Sports Talk. **BRESLAU**, Talk. 3.15—Pfte. (Schumann, Chopin). 3.40—Reading. **BRUSSELS** (1), "The Barber of Seville" (contd.).
COLOGNE, For Hitler Youth. 3.15—Songs from a Girls' Camp. 3.45—Industrial News.
DEUTSCHLANDSENDER, Announcements. 3.10—Records.
FRANKFURT, Sports Report. 3.15—Industrial Review. 3.30—Austrian Folk Music.
HAMBURG, Hitler Youth Programme from the Radio Exhibition. 3.25—Shipping. **HILVERSUM** (1,875 m.), Talk. 3.10—Amsterdam String Orchestra. **HILVERSUM** (301.5 m.), For Children. 3.40—HIRO Programme: Records and Talks.
KALUNDBORG, Hansen's Ensemble and Songs. **KÖNIGSBERG**, 3.30—For Children. 3.45—Topical.
LEIPZIG, Records. 3.20—For Children. 3.50—Industrial News.
MUNICH, Musical Sketches (contd.). 3.40—Reading.
PARIS (PTT), Concert (contd.). 3.30—Concert from Vichy Casino.
RADIO-PARIS, Records. 3.30—Talk.
STUTTGART, "Sunday Excursions to Germany's Beauty Spots"—Musical Sequence.

4 p.m.

ATHLONE, International Jumping Competition (contd.).
BERLIN, Operetta Records. **BRUSSELS** (1), "Gaspard de la nuit" (Ravel) by Declercq (Pfte.). 4.30—Duettists. 4.55—News. **BRUSSELS** (2), Loiseau Orchestra. 4.55—News.
COLOGNE, Orchestra and Band.
HAMBURG, **BRESLAU** and **FRANKFURT**, Folk Concert from the Radio Exhibition. **HILVERSUM** (1,875 m.), Orchestra (contd.); at 4.10-4.30—Esperanto. **HILVERSUM** (301.5 m.), HIRO Programme (contd.).
KALUNDBORG, Hansen's Ensemble.
LEIPZIG, **DEUTSCHLANDSENDER**, **KÖNIGSBERG** and **MUNICH**, German Music—Station Orchestra and Choir.

PARIS (PTT), Concert (contd.). 4.50—Talk. **PRAGUE**, 4.5—Variety Concert.

RADIO-PARIS, Talk. 4.15—For Children.
STUTTGART, Records: Dances.
WARSAW, 4.30—Spanish Orchestral Music.

5 p.m.

ATHLONE, International Jumping Competition (contd.). 5.15—Music from the Royal Dublin Society's Show Grounds. 5.45—Tea-Time Music. **BRUSSELS** (1), Talk. 5.15—Concert from the Palace Hotel. **BRUSSELS** (2), Records (Beethoven, Mozart). **BUDAPEST** (1), Flute. 5.25—Industrial News. 5.40—Orchestra.
COLOGNE, Report: The German Swimming Championships; Orchestra and Band.
HAMBURG, **BERLIN**, **BRESLAU**, **FRANKFURT** and **STUTTGART**, "Fasse dich Kurz"—Variety Concert from the Radio Exhibition. **HILVERSUM** (1,875 m.), Orchestra (contd.). 5.20—Talk. 5.40—Organ. **HILVERSUM** (301.5 m.), HIRO Programme (contd.). 5.40—Records.
KALUNDBORG, 5.25—Weather. 5.40—Exchange. 5.50—Records.
LEIPZIG, **DEUTSCHLANDSENDER**, **KÖNIGSBERG** and **MUNICH**, German Music (contd.).
MONTE CENERI, **BEROMÜNSTER** and **SOTTENS**, Bel Canto Records.
PARIS (PTT), Mangeret Orchestra and Songs. **PRAGUE**, Variety Concert. 5.40—Talks. 5.55—Sports (German).
RADIO-PARIS, André Orchestra.
TURIN and **ROME**, News. 5.15—Dance Music.
WARSAW, Spanish Orchestral Music. 5.50—Talk.

6 p.m.

ATHLONE, Tea-Time Music. 6.25—Talk. 6.35—News.
BERLIN, Fröhlich Band. **BEROMÜNSTER**, Records: Famous Singers. 6.30—For Young People. **BRESLAU**, Talk. 6.20—Reading. 6.40—For Housewives. 6.50—News. **BRUSSELS** (1), Talk. 6.15—Monique de la Bruchollerie (Pfte.). 6.45—Records (Bach, Scarlatti, Haydn). **BRUSSELS** (2), Antwerp Blind Accordionists. 6.30—Records. 6.45—Talk. **BUDAPEST** (1), Orchestra. Reading in the interval.
COLOGNE, Notes. 6.5—Light Music.
DEUTSCHLANDSENDER, Military Band. 6.45—Sports.
FRANKFURT, Weekly Radio Review.
HAMBURG, "From the Harz to the Waterkant"—North German Choirs and Bands from the Radio Exhibition. **HILVERSUM** (1,875 m.), Organ. 6.10—Dance Music. 6.45—A Film. **HILVERSUM** (301.5 m.), Review of Periodicals; Records; News. 6.55—Talk.
KALUNDBORG, Records. 6.20 Talks. **KÖNIGSBERG**, Sports. 6.15—A Radio Trip round the East Prussia Hitler Youth Camps. 6.50—News.
LEIPZIG, Talk. 6.15—Schubert Records. 6.50—Review.
MUNICH, Records: Community Singing. 6.30—Markets. 6.45—Talk.
PARIS (PTT), Orchestra (contd.). 6.30—Songs. **PRAGUE**, Recitations and Songs to the Lute (in German). 6.45—News (German).
RADIO-NORMANDIE, Children's Corner. 6.45—Talk; News.
RADIO-PARIS, Reading. 6.15—Talk. 6.30—Reading. 6.45—Review; Racing. **ROME**, 6.10—Rural Programme. 6.50—Dopolavoro Notes.
SOTTENS, For Children. 6.30—Records. 6.55—Chimes. **STUTTGART**, Weekly Sound News Review.
TURIN, 6.50—See Rome.
WARSAW, Programme Notes. 6.15—Records: Waltzes and Operetta Music.

7 p.m.

ATHLONE, Artane Band. 7.45—Irish Radio Orchestra. In the interval, Archduke Rudolph Trio

(Beethoven) by the Dublin Municipal School of Music Clarinet Trio.

BERLIN, Review. 7.20—Records: Popular Music. **BEROMÜNSTER**, Chimes. 7.15—Markets; Records. 7.45—News. 7.55—The Cycle Tour of Switzerland.
BRESLAU, Light Music. Orchestra, Balalaika Trio and Tenor.
BRUSSELS (1), Records (contd.). 7.25—Talk. 7.30—News. **BRUSSELS** (2), Germaine Teugels (Songs). 7.30—News. **BUDAPEST** (1), Letters. 7.30—Dahinden (Violin).
COLOGNE, "Hitler Youth Camps in the Rhineland and Westphalia"—Sequence.
DEUTSCHLANDSENDER, Derksen Band. Sketch in the interval. 7.45—Topical.
EIFFEL TOWER, "The Magic Flute" (Mozart), from Salzburg.

HAMBURG, **FRANKFURT** and **STUTTGART**, "Hamburg Radio Parade"—from the Radio Exhibition. Part I, German Classical Music. Part II, Dance Music. Part III, German Classical Music. Part IV, "Hamburg Ahoi"—Variety. **HILVERSUM** (1,875 m.), A Film (contd.). 7.10—Talk. 7.40—News. 7.55—Accordions. **HILVERSUM** (301.5 m.), "The Magic Flute" (Mozart), from Salzburg.
KALUNDBORG, News. 7.30—Talk in Norwegian. **KÖNIGSBERG**, Station Orchestra.
LEIPZIG, "The Strauss Family"—Concert. Dresden Philharmonic, Soprano and Tenor.

MONTE CENERI, 7.25—The Cycle Tour of Switzerland. 7.45—News. 7.55—Records: Italian Music. **MUNICH**, "Die lustige Benzinkutsche"—Munich Variety. **OSLO**, News. 7.30—Station Orchestra.

PARIS (PTT), News; Review. **POSTE-PARISIEN**, News. 7.20—Song Records. 7.30—Cigany Band. 7.45—Records: Sketches. **PRAGUE**, News. 7.15—Records. 7.50—"To-night in New York"—Sequence.

RADIO-NORMANDIE, Concert. 7.40—News. **RADIO-PARIS**, Talk. 7.10—Records. 7.20—Sound News. 7.30—Germaine Féraldy (Songs). 7.45—Marcelle Samson (Songs). **ROME**, Esperanto Talk; Music; Notes. 7.53—News in Foreign Languages.

SOTTENS, Talks. 7.30—Music. 7.45—News. **STOCKHOLM**, 7.15—News. 7.30—Talk. 7.50—Old Dance Music.
TOULOUSE, Musical Comedy Music. 7.15—News. 7.40—Light Music; Orchestra. **TURIN**, Light Music. 7.40—News in Foreign Languages.
VIENNA, News. 7.10—Talk. 7.30—"Hoheit tanzt Walzer" (Ascher).
WARSAW, Wind Band. 7.40—Talk; Sports.

8 p.m.

ATHLONE, Orchestra, etc. (contd.). 8.30—Michael O'Brien (Tenor). 8.45—Debussy Music by Mile Koeb (Pfte.).
BERLIN, News. 8.10—"The Right and Left of the Spree"—A Picture of Old and New Berlin in Songs, Word and Dance. **BEROMÜNSTER**, Report (contd.). 8.20—Double Quartet. **BRESLAU**, Light Music (contd.). **BRUSSELS** (1), Records (Grétry-Mottl, Chabrier). 8.45—The Professional Cyclists' Trials at Namur. **BRUSSELS** (2), Darcy Orchestra. 8.45—Poems. **BUDAPEST** (1), Lehar Concert and Radio Lottery Draw from the Municipal Theatre. In the interval, Foreign Affairs.
DEUTSCHLANDSENDER, and **COLOGNE**, News. 8.10—Light Classical Music—Station Orchestra.

EIFFEL TOWER, "The Magic Flute" (contd.).
HAMBURG, **FRANKFURT** and **STUTTGART**, "Hamburg Radio Parade" (contd.). **HILVERSUM** (1,875 m.), Accordions. 8.10—Mlle Henriette Davids in her repertoire; 8.30—Accordions. 8.40—Sketch. 8.45—Concert. **HILVERSUM** (301.5 m.), "The Magic Flute" (contd.); at 8.15-8.35—News and Meditation.

KALUNDBORG, Report. 8.30—Radio Ball. **KÖNIGSBERG**, News. 8.10—Variety Concert with Sketches.
LEIPZIG, "The Strauss Family" (contd.).

MONTE CENERI, Records: Italian Music. 8.30—"Don Giovanni verità"—Play (Ricci).
MUNICH, Munich Variety (contd.).

OSLO, Station Orchestra. 8.40—Recitations.
PARIS (PTT), Variety. 8.30—from the Opéra-Comique: "La Bohème" (Puccini); "Invitation to the Dance"—Ballet (Weber). **POSTE-PARISIEN**, Topical; Reading. 8.20—Adison Orchestra. 8.35—Italian Records. **PRAGUE**, Sequence (contd.). 8.10—"A Visit to Paris"—Variety.

RADIO-NORMANDIE, Sketches. 8.20—Records. 8.40—Orchestra.
RADIO-PARIS, Reviews. 8.30—Orchestral Concert. Conductor: Bigot. Mile Stappen (Songs) (Mozart and French Composers). **ROME** and **TURIN**, Foreign News (contd.). 8.10—News. 8.30—Talk.

SOTTENS, The Cycle Tour of Switzerland. 8.35—Records (Schmitt, Schumann). **STOCKHOLM**, Old Dance Music. 8.30—Reading. **STRASBOURG**, News (German). 8.15—Sports. 8.30—Lorraine Soirée.
TOULOUSE, Orchestra. 8.15—Light Music. 8.30—Songs. 8.45—Military Band.
VIENNA, "Hoheit tanzt Walzer" (Ascher) (contd.).
WARSAW, For Poles Abroad: Polish Folk Songs. 8.45—News.

9 p.m.

ATHLONE, Summer Snapshots. 9.30—Variety.
BERLIN, "The Right and Left of the Spree" (contd.). **BEROMÜNSTER**, Double Quartet. 9.15—See Sottens. **BRESLAU**, News. 9.30—Light Music and Dance Music. **BRUSSELS** (1), Concert from Ostend Kursaal. **BRUSSELS** (2), Darcy Orchestra. **BUDAPEST** (1), Concert and Lottery Draw (contd.).
DEUTSCHLANDSENDER, and **COLOGNE**, Light Classical Music (contd.).

EIFFEL TOWER, "The Magic Flute" (contd.).
FRANKFURT, News. 9.15—Band.

HAMBURG, News. 9.10—Records: Light German Music. **HILVERSUM** (1,875 m.), Concert (contd.). 9.25—Recitations. 9.40—News. 9.45—A Film. **HILVERSUM** (301.5 m.), "The Magic Flute" (contd.).

KALUNDBORG, Radio Ball (contd.); at 9.15-9.35—Visitors at the Microphone. **KÖNIGSBERG**, Variety Concert (contd.).
LEIPZIG, News. 9.15—"Lovers' Trysts"—Sketches with Music, from Goethe, Keller, Hamsun and Gudmundsson (arr. Drescher).
MONTE CENERI, Play (contd.). 9.20—Dance Records. **MOSCOW**, German Programme. **MUNICH**, News. 9.10—Dance Music.
OSLO, Old Dance Music. 9.25—Report. 9.40—News.

PARIS (PTT), From the Opéra-Comique (contd.). **POSTE-PARISIEN**, Italian Records. 9.10—Record: Duet, "Tristan and Isolde" (Wagner). 9.25—Follow the Guide. 9.50—News. 9.55—Dance Records. **PRAGUE**, Variety (contd.).

RADIO-NORMANDIE, Variety. **RADIO-PARIS**, Orchestral Concert (contd.); at 9.30—Press Review. **ROME**, "Canigle"—Play (Ruggi). 9.30—Symphony Concert from the Basilica di Massenzio.

SOTTENS, Records (contd.). 9.15—Radio Suisse romande Orchestra and Beromünster Station Orchestra. Conductor: Denzler (Wagner and Stravinsky).
STOCKHOLM, Cabaret. 9.45—News. **STRASBOURG**, Lorraine Soirée. **STUTTGART**, News. 9.15—Week-end Variety.

TOULOUSE, Military Band. 9.10—Light Music. **TURIN**, "Turandot" (Puccini) from the Arena, Verona.
VIENNA, "Hoheit tanzt Walzer" (Ascher) (contd.). 9.40—Wilhelm Winkler ("Cello"); Zechner (Pfte.).
WARSAW, 9.5—Dance Music; at 9.45—Review of Periodicals.

10 p.m.

ATHLONE, Variety. 10.30—News. **BERLIN**, News. 10.30—Dance Music. **BEROMÜNSTER**, See Sottens. 10.15—Dance Records. 10.55—News. **BRESLAU**, News. 10.10—Light Music and Dance Music; at 10.20-10.50—See

COLOGNE, 10.35—Jazz Band. **BRUSSELS** (1), Concert (contd.). 10.30—News. 10.40—Records: Light Music and Dance Music. **BRUSSELS** (2), News. 10.10—Dance Music. **BUDAPEST** (1), Concert and Lottery Draw (contd.). 10.15—News. 10.35—Cigany Band.
COLOGNE, News. 10.20—Report: The German Swimming Championships. 10.50—Dance Music from Munich.
DEUTSCHLANDSENDER, News; Topical. 10.30—Pfte. Trio in E (Mozart). 10.45—Weather.
FRANKFURT, News. 10.30—Dance Music from Munich.
HAMBURG, News. 10.15—Report: The Finals of the International Tennis Championships. 10.30—See Berlin. **HILVERSUM** (1,875 m.), A Film (contd.). 10.25—Dance Music. **HILVERSUM** (301.5 m.), 10.5—Records; News; Sports. 10.35—KRO Boys.
KALUNDBORG, News. 10.20—Radio Ball (contd.). **KÖNIGSBERG**, News. 10.20—See Cologne. 10.40—Dance Music from Munich.
LEIPZIG, "Lovers' Trysts" (contd.). 10.30—News. 10.50—Dance Music from Munich.
MOSCOW, 10.5—French Programme. **MUNICH**, News. 10.15—Dance Music.
OSLO, Topical. 10.15—Light Music and Dance Music.
PARIS (PTT), From the Opéra-Comique (contd.). **POSTE-PARISIEN**, Dance Records. 10.30—Variety Records. **PRAGUE**, News. 10.20—Records. 10.35—See Brno.
RADIO-NORMANDIE, Café Concert. **RADIO-PARIS**, Orchestral Concert (contd.). 10.30—Records. 10.45—News. **ROME**, Symphony Concert (contd.).
SOTTENS, Orchestras (contd.). 10.15—Report. 10.25—Dance Records. **STOCKHOLM**, Dance Music. **STRASBOURG**, Lorraine Soirée. 10.30—News. **STUTTGART**, News. 10.30—Records: Variety.
TOULOUSE, Variety. 10.15—Orchestra. 10.35—Fantasy. **TURIN**, "Turandot" (Puccini) (contd.).
VIENNA, 'Cello and Pfte. (contd.). 10.10—News. 10.20—Dance Music. 10.55—Notes.
WARSAW, Dance Music. 10.50—News.

11 p.m.

BERLIN, **DEUTSCHLANDSENDER** and **HAMBURG**, Dance Music. **BRESLAU**, Light Music and Dance Music. **BRNO** and **PRAGUE**, Jazz Band. **BRUSSELS** (1), Records: Light Music and Dance Music. **BRUSSELS** (2), Records. **BUDAPEST** (1), Jazz Band.
HILVERSUM (1,875 m.), Dance Music. 11.10—Records. **HILVERSUM** (301.5 m.), 11.5—Records.
KALUNDBORG, Radio Ball (contd.).
MOSCOW, Spanish Programme. **MUNICH**, **COLOGNE**, **FRANKFURT**, **KÖNIGSBERG** and **LEIPZIG**, Dance Music.
PARIS (PTT), News; Dance Music from Radio-Paris.
RADIO-NORMANDIE, Dance Music. **RADIO-PARIS**, Dance Music. **ROME**, News. 11.15—News (English). 11.30—Dance Music.
STOCKHOLM, Chess Report. **STRASBOURG**, News (German). 11.5—Dance Music from Radio-Paris. **STUTTGART**, Records: Variety.
TOULOUSE, Light Music and Operetta Music. 11.50—Announcements. **TURIN**, "Turandot" (Puccini) (contd.); News. **VIENNA**, Dance Music.

12 midnight

BERLIN, **COLOGNE**, **DEUTSCHLANDSENDER** and **HAMBURG**, Dance Music. **BUDAPEST** (1), 12.5—News. **FRANKFURT** and **STUTTGART**, Dance Music.
KALUNDBORG, Radio Ball (contd.).
MOSCOW, Spanish Programme. **RADIO-NORMANDIE**, Midnight Melodies. 12.30—Dance Music. **RADIO-PARIS** and **STRASBOURG**, Dance Music. **ROME**, Dance Music.
TURIN, Dance Music.

1 a.m. (Sunday)

KALUNDBORG, Radio Ball (contd.).
RADIO-NORMANDIE, Dance Music.

NATIONAL

For Time Signals, see Monday.
 10.15 a.m. (D)—Service.
 10.30 (D)—Weather Forecast.
 10.45 (D)—Cinema Organ.
 11.15 (D)—Records.
 11.45 (D)—BBC Northern Orchestra.
 12.30 p.m. (D)—Dance Records.
 1.0 (D) (ex. Scottish)—Theatre Orchestra.
 2.0 (D) (ex. Scottish)—Records.
 2.45 (D) (ex. Scottish)—The Emilio Colombo Octet.
 3.30 (D) (ex. Scottish)—Cinema Organ.
 4.0 (D) (ex. Scottish)—BBC Northern Orchestra.
 4.45—The Dublin Horse Show, 1937.
 5.15—Billy Thorburn and his Music.
 6.0—The First News.
 6.20—Jean Pougnet (Violin).
 6.45—Friary Brewery Band.
 7.30—The BBC Presents the A B C.
 8.0—Opening Night of the Fortieth Season of Promenade Concerts from Queen's Hall, London: Ina Souez (Soprano); Dennis Noble (Baritone); Sidonie Goossens (Harp); Irene Scharrer (Pfte.); BBC Symphony Orchestra, conducted by Sir Henry J. Wood: Ireland, Mozart, Schubert, Franck, Verdi, Rimsky-Korsakov.
 9.40—The Third News.
 10.0—Promenade Concert, Part 2: Concertino, for harp and orchestra (Germaine Tailleferre); Song with pianoforte, Clair de lune (Debussy); Hungarian March, "La Damnation de Faust" (Berlioz).
 10.40—"The Story of Dr. Colbatch."
 11.0—Jack Harris and his Band.
 11.30—News Summary.
 11.40-12.0—Jack Harris and his Band (contd.).

REGIONAL

For Time Signals, see Monday.
 10.15-10.45 a.m. (ex. Western)—National.
 10.45 (ex. Western)—Records.
 11.15 (ex. Western)—Mario de Pietro and his Estudantina.
 11.45 (ex. Western)—Records.
 12.15 p.m. (ex. Western)—Eileen Ralph (Pfte.).
 12.45 (ex. Western)—"I was a tramp" Talk.
 1.0 (ex. Western)—National.
 4.40 (N. Ireland)—Veteran Car Competition.
 4.45 (ex. Western, N. Ireland)—Records.
 5.0 (ex. Western)—Children's Hour.
 5.15 (Western)—National.
 6.0 (ex. Western, N. Ireland)—The Victor O'Leary Sextet.
 6.0 (N. Ireland)—Roland Powell's Quintet.
 6.45 (ex. Northern, Western)—BBC Singers (B).
 6.45 (Northern)—Jack McCormick and his Ambassadors.
 7.30 (ex. Western)—Second News.
 8.0 (ex. Welsh)—Music-Hall: Norman Long, Ann Penn, Billy Bennett, Marie Burke, Jack Barty, Sydney Baynes and his light orchestra.
 8.0 (Welsh)—Les Seager and the Craigsides Rhythm Band.
 8.30 (Welsh)—Welsh Cymfanfa Gant from the Eisteddfod Pavilion, Machynlleth: The Eisteddfod Choir.
 9.0 (ex. Western)—"Whose Road?": Discussion between a motorist, a cyclist, and a pedestrian.
 9.0 (Western)—Holiday Fare concert party.
 9.30 (Regional, Northern; Welsh 10.0)—BBC Theatre Orchestra: Florence Marks (Irish discuse).
 9.30 (Midland)—Jan Berenska and his Orchestra: Millicent Ward (Soprano).
 9.30 (Welsh)—"Around and About" (in Welsh).
 9.30 (N. Ireland)—Irish Bowling Association Senior Cup Final.
 9.30 (Scottish)—Scottish Summer School in music.
 9.40 (Welsh)—The Week's Sport.
 9.40 (N. Ireland)—BBC Northern Ireland Orchestra.
 10.0 (Scottish)—Mary Colquhoun (Soprano); Allan MacRitchie (Tenor).
 10.10 (Western)—"Admirals All."
 10.20 (N. Ireland)—Ulster Senior Cup Cricket Match.
 10.20 (Scottish)—Scottish Sports.
 10.30 (ex. Western; Northern 10.45)—Jack Harris and his Band.
 10.30 (Northern)—Northern Summer Sports Bulletin.
 10.35 (Northern)—Bowls Championship.
 11.30 (ex. Western)—News Summary.
 11.40-12.0 (ex. Western)—Jack Harris and his Band (contd.).

Hours of Transmission in British Summer Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 100 kW. Dublin, etc., see Sunday.
 1.30 p.m.—Records. 3.30—Royal Dublin Society Show; Ballabridge, Dublin. International Jumping Competition Open to the World. Commentator: Col. Michael Hogan.
 5.15—Music from the Royal Dublin Society's Show Grounds. 5.45—Tea-Time Music by the Irish Radio String Orchestra. 6.25—Summer Sports: Yachting. 6.35—Irish News Feature. 6.45—News. 7.0—Artane Band from the Bandroom, Artane.
 7.45—Irish Radio Orchestra. In the interval, Archduke Rudolph Trio in B flat (Beethoven) by the Clarinet Trio of the Dublin Municipal School of Music. 8.30—Michael O'Brien (Tenor).
 8.45—Debussy Programme by a Friend of Debussy—Mlle. Koch (Pfte.).
 9.0—Summer Snapshots presented by Fay Sargent.
 9.30—Variety.
 10.30-11.0—News.

News. 7.55 (from Basle)—Report: The Cycle Tour of Switzerland. 8.20—Neuhäusen Double Quartet. 9.15—See Sottens. 10.15 (approx.)—Dance Records. 10.55-11.0—News.

BORDEAUX-LAFAYETTE (France)

1,077 kc/s (278.6 m.); 35 kW. Transmits at intervals from 6.30 a.m. 5.45 p.m.—Station Orchestra, Conductor: Gayral. Overture, "Paille d'avoine" (Planquette). Selection, "La Belle Hélène" (Offenbach). Ballet, "Les Fantoccini" (Lecocq). Pensée d'automne (Massenet). Ouvre tes yeux bleus (Massenet). Alsatian Dances (Lévardé).
 6.30—Songs from Nice - Côte d'Azur. 7.0—News. 7.30—Talk.
 8.0—Mme Mirèze-Rouanet (Old French Songs). 8.15—News.
 8.30—The World of Opera—Talk by Louis Beydts, with Illustrations by Lina Quaglia.
 9.15—Station Orchestra. Conductor: Gayral. Gabriel Couret (Sings). Overture, "Tutti in maschera" (Pedrotti). Two Pieces (Ergé). In a Fairy Realm (Ketel-

12.0 noon-2.0 p.m.—Small Station Orchestra, Conductor: Topitz. Krams (Violin); Kerndorff ("Cello"); Gregor (Xylophone); Overture, "Fräulein Mandarin" (Pachelmann). Waltz, Gladiolen (Löhr). Violin Puszta-märchen (Schulenberg). Concert Fantasia on Zeller's Schenkst man sich Rosen (Ortleb). Gehaupt wie gesprung (Jungherr). "Cello: Extase (Ganne). Waltz, Lustige Bruder (Vollsteff). Canzonetta (Tchaikovsky). The Clock is playing (Blaauw). Salut d'amour (Elgar). Xylophone: Spanish Waltz, Mia bella (Sommerfeld). March, Wien bleibt Wien (Schrammel). Ballet Overture (Kremsner). Rain Song (Marx). Selection, "Manon Lescaut" (Puccini). Wedgwood Blue (Ketelbey). Violin: Humoresque (Dvořák). Waltz, Abendsterne (Lanner); at 1.0—News. 2.0—News; Exchange.
 2.15—Variety from Deutschlandsender. 3.0—Talk. 3.15—Elisabeth Kretschmer (Pfte.). Two Noctettes (Schumann). Polonaise in G sharp minor (Chopin).
 3.40—Reading.
 4.0-6.0—See Hamburg. 6.0—Talk:

SATURDAY (August 7)

2.0—Art Notes. 2.3—Records: "The Barber of Seville" (Rossini).
 4.0—Gaspard de la nuit (Ravel) by Declercq (Pfte.).
 4.30—Jean and Jean (Duetists). Quand on est deux copains. Il y avait une fille dans la maison. Le duel. Gwendoline (Verger). Tout est au Duc (Parès). Y a d'la joie. Sur le Yang-tsé-Kiang.
 4.55—News. 5.0—Medical Talk. 5.15—Concert from the Palace Hotel. 6.0—Literary Talk: Leon Pirsoul.
 6.15—Monique de la Bruchellerie (Pfte.). Toccata in D minor (Bach-Busoni). Sonata in E minor (Haydn). Perpetuum mobile (Weber). Cygnes de neige sur des lacs de Lapis-Lazuli (de Maleingrau). Caprice (Dohnányi).
 6.45—Records. Sinfonia (J. C. Bach). Eighteenth Century Air. Ariettes (Scarlati). Symphony in B flat (Haydn).
 7.25—Hygiene. 7.30—News.
 8.0—Records. Ballet Suite (Grétry-Mottl). Habañera (Chabrier).
 8.45—Report: The Professional Cyclists Trials at Namur. 9.0—Concert from Ostend Kursaal. 10.30—News. 10.40-12.0 m't.—Records: Light and Dance Music.

PRINCIPAL EVENTS

SYMPHONY CONCERTS

8.0 National: 1st Promenade Concert.
 8.30 Radio-Paris: Bigot concert.
 9.30 Rome: From the Basilica di Massenzio.

LIGHT CONCERTS

12.0 Radio-Paris: Derveaux Orchestra.
 2.55 Kalundborg: Hansen's Ensemble.
 4.30 Warsaw: Spanish music.
 5.0 Paris (PTT): Mangeret Orchestra.
 6.0 Deutschlandsender: Band concert.
 6.5 Cologne: Orchestra, tenor, pfte.
 7.0 Hamburg, etc.: German classics.
 7.0 Leipzig: The Strauss Family.
 7.30 Oslo: Station Orchestra.
 7.30 Stockholm: Old dances.
 8.0 Budapest 1: Lehár programme.
 8.0 Warsaw: For Poles abroad.
 8.10 Berlin: "Both Banks of the Spree."
 8.10 Prague: "A Visit to Paris."
 9.0 Brussels 1: Ostend Kursaal.
 9.15 Beromünster, Sottens: Swiss Radio Orchestras.
 9.30 Breslau: Light and dance music.
 10.35 Budapest 1; Cigány band.

OPERAS

7.0 Eiffel Tower, Hilversum (301.5 m.): "The Magic Flute" (from Salzburg).
 8.30 Paris (PTT): "La Bohème."

OPERETTA

7.30 Vienna: "Highness waltzes."

RECITALS

4.0 4.30, 6.15, Brussels 1: Pfte., song.
 6.20 National: Jean Pougnet (violin).
 7.45 Bucharest: Old Romanian songs.
 8.20 Beromünster: Men's choir.
 9.40 Vienna: Violoncello.

PLAYS

8.30 Monte Ceneri: "Don Giovanni verità."
 9.0 Rome: "Canaglia" (Ruggi).

TALK

6.45 Lille (PTT), Rennes: Talk in English.

LAST NEWS BULLETINS, see Monday

DANCE MUSIC

8.15 Bucharest; 8.30 (till 2.0), Kalundborg; 9.5, Warsaw; 9.10, Munich; 9.55, Poste Parisien; 10.0, Stockholm; 10.10, Brussels 2; 10.15, Beromünster; 10.20, Vienna; 10.25, Hilversum (1,875 m.), Sottens; 10.30, Berlin, etc., Regional; 10.35, Brno, Prague; 11.0, National, Radio-Paris, Radio-Normandie; 11.15, Budapest 1; 12.0, Frankfurt, Stuttgart.

MISCELLANEOUS

3.30 Athlone, 4.45 National: The Dublin Horse Show.
 10.20 Cologne: Swimming championships.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW.
 6.0 a.m.—Motto; Weather; Gym.
 6.30-8.0—Kauffman Band; at 7.0—News. 8.0—Gym.; Pfte.
 8.30—See Hamburg. 9.30—Records.
 10.0—See Königsberg. 10.30-10.45—Markets. 11.15—Schneidewind Band.
 12.0 noon-2.0 p.m.—See Hamburg; at 1.0—News. 2.0—News.
 2.15—See Hamburg. 3.0—Records: Ballet Music, "Faust" (Gounod).
 3.15—Exchange. 3.30—Songs. 3.45—Sports Talk. 4.0—Operetta Records.
 5.0—See Hamburg.
 6.0—Light Music by the Fröhlich Band. 7.0—Evening Review. 7.20—Records: Popular Music. 8.0—News.
 8.10—"Right and Left of the Spree"—A Picture of Old and New Berlin in Songs, Word and Dance. Station Orchestra. Conductor: Willy Steiner; Woitschach Wind Band and Singers. 10.0—News.
 10.30 p.m.—1.0 a.m. (Sunday)—Berger and Fierke Dance Bands.

BEROMÜNSTER (Switzerland)

556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.).
 6.15-6.35 a.m.—Records. 12.0 noon—Records. 12.30 p.m.—News.
 12.40—Mander's Bagpipe Quartet. 1.30 (from Berne)—Weekly Parliamentary Review. 1.45—Records: Swiss Songs. 2.0—Talk in Dialect. 2.25—Records. 3.15—Report: The Cycle Tour of Switzerland. 4.30 (from Berne)—Cinema Organ Records. 4.59—Time.
 5.0-6.0—See Monte Ceneri. 6.0—Records: Famous Singers. 6.30—For Youth. 7.0—Chimes from Zürich Churches. 7.15—Time; Markets. 7.25—Records. 7.45—

bey). Songs. La légende du point d'Argentan (Fourdrain). Napoli d'Ambrosio. Suite, Les beaux dimanches (Fauchey).
 10.30—News; Music.

BRATISLAVA (Czechoslovakia)

1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 6.0 a.m. 11.5 a.m.—Salon Orchestra. March (Fucik). Oriental Suite (Popy). Intermezzo (Dusík). Dividenden (Morena). Waltz, Wine, Woman, and Song (Strauss). Slovak Potpourri (Bochněček). Ballet Scene (Siede). March (Blon).
 11.55 a.m.—12.5 p.m.—See Prague.
 12.5—Record. 12.10—News. 12.15—Records. 12.25—News.
 12.35—See Brno. 1.30—Talk. 1.45—Records. 2.0—News (German, Hungarian). 2.15—Shipping. 2.20—Records. 2.30—Talk.
 2.40-3.0—See Prague. 4.0-5.40—See Prague; at 4.50—Topical. 5.40—For Workers.
 6.0—Hungarian Transmission: Talk; Play (Sebesy). 6.45-7.50—See Prague. 7.50—Talk. 8.5—Record. 8.10-10.20—See Prague. 10.20—News (Hungarian). 10.35-11.30—See Brno.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz, 1,231 kc/s (243.7 m.).
 5.0 a.m.—See Königsberg. 5.45—Gym. 6.0—Motto; Records.
 6.30-8.0—See Berlin.
 8.30—Orchestra from Saarbrücken.
 9.30—Greetings. 9.35—For Children. 10.0—"Einer der dabei war"—Sketch (Jungnickel). 10.15-10.30—"Kikeriki"—Sketch for Children (Rinke). 11.30—Weather; Water Level; Markets. 11.45—Nature Study Talk.

The Frontier Town of Liebau. 6.20—Ernst Eberhard Karsten reads. 6.40—For Housewives. 6.50—News; Markets.
 7.0—Light Music. Station Orchestra. Conductor: Rischka; Hummel Balalaika Trio; Küchel (Tenor). 9.0—News. 9.15—The Day's Sound News.
 9.30—Light Music and Dance Music from Beuthen. Small Station Orchestra, etc. 10.0—News.
 10.10 p.m.—12.0 m't.—Light Music and Dance Music (contd.); at 10.20-10.50—See Cologne.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 6.0 a.m. 12.35 p.m.—Military Band. 1.30—Industrial Review. 1.40—For Farmers. 1.45—Records. 2.0—See Prague. 2.20—News. 2.25—Record. 2.30—See Bratislava. 2.40-3.0—See Prague. 4.0-5.40—See Prague. 5.40—German Transmission: "The Princess and the Dragon"—Play with Music (Della Zampach). 6.15—Records. 6.45-7.15—See Prague. 7.15—Variety Concert from Moravská-Ostrava. 7.50-10.35—See Prague. 10.35-11.30—Mikolásek Jazz Band.

BRUSSELS (No. 1) (Belgium)

620 kc/s (483.9 m.); 15 kW. 5.0-5.10 a.m.—Homing-Pigeon Notes. 6.37-9.0—Records; Gym; News. 12.0 noon—Records. 1.0 p.m.—News.
 1.10—Schnydere Orchestra, Etin-celles (Waldteufel). Selection, "I Pagliacci" (Leoncavallo-Tavan). Menuet jazi (Ancel). Tarantella (Volpatti). Selection, "Madame Butterfly" (Puccini-Tavan). March (Menzel).

BRUSSELS (No. 2) (Belgium)

932 kc/s (321.9 m.); 15 kW. Programme in Flemish. 5.0-5.10 a.m.—Homing-Pigeon Notes. 6.37-9.0—Records; Gym; News.
 12.0 noon—Schnydere Orchestra. Sous la volute étoilée (Waldteufel). Selection, "Miss Decima" (Audran-Tavan). Aubade à marie (Bosc). Yvain Potpourri. Chardas (Michiels). Selection, "White Horse Inn" (Stolz-Benatzky). In a Monastery Garden (Ketelbey). March (Teike).
 12.55 p.m. (approx.)—Homing-Pigeon Notes. 1.0—News. 1.10—Records. 2.0—Shipping. 2.30—Lecture-Recital: Haydn, the Father of the Quartet.
 3.0—Loiseau Orchestra. Amoretten-tänze (Gungl). Idyll (Detaillé). Rustic Dance (Gilson). Overture, "Der Wildschütz" (Lortzing). Sérénade (Rachmaninov). Suite, For the Children (Peter Maurice). Selection, "Romeo and Juliet" (Gounod).
 3.45—Mia Dumoulin (Operetta Songs).
 4.0—Loiseau Orchestra. Salut à Vienne (Ganne). Overture, "Il Guarany" (Goméz). Castilian Dance (Turina-Chapelier). The Nursery Clock (Williams). Ballg-e-flüster (Meyer-Helmund). Selection, "Gypsy Love" (Lehár). Melody in F (Rubinstein). Japanese Suite (Yoshitomo). Waltz (Komzák).
 4.55—News.
 5.0—Records. Eighth Symphony (Beethoven). Pfte. Concerto in C (Mozart).
 6.0—Antwerp Blind Accordionists. 6.30—Records. 6.45—Talk: Modern Intellectual Tendencies. 7.0—Germaine Teugels (Songs). 7.30—News.
 8.0—Darcy Orchestra. Potpourri, Rheinfreuden (Strasser). Overture, "Maritana" (Wallace). Suite saharienne (Ackermans). Selection, "The Merry Widow" (Lehár).
 8.45—Poems.
 9.0—Darcy Orchestra. Waltz Pot-pourri (Robrecht). Potpourri (Salabert). Japonaiserie (Wittmann). Selection, "La-haut" (Yvain). Turkish Ballet, Salamalec (Guillemin). Prés de toi (Fredal). Persecution (Demaret). Le temps des cerises (Renard-Salabert). Foxrott (Kotscher). Blaze away (Holzmann).
 10.0—News. 10.10—Candrix Dance Band from Blankenberghe Casino. 11.0-12.0 m't.—Records.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania (Brasov), 160 kc/s (1,875 m.). Transmits at intervals from 5.50 a.m. 1.10 p.m.—News. 1.20—Records. 2.0—News. 6.0—Weather. 6.3—Military Band. 7.25—Talk. 7.45—Ion Luican (Old Romanian Songs). 8.15—Jazz Melody Dance Band. 9.30—Sports; News. 9.45—Restaurant Concert. 10.45—News (French, German, Romanian).
 12.0 noon—Small Station Orchestra, Conductor: Topitz. Krams (Violin); Kerndorff ("Cello"); Gregor (Xylophone); Overture, "Fräulein Mandarin" (Pachelmann). Waltz, Gladiolen (Löhr). Violin Puszta-märchen (Schulenberg). Concert Fantasia on Zeller's Schenkst man sich Rosen (Ortleb). Gehaupt wie gesprung (Jungherr). "Cello: Extase (Ganne). Waltz, Lustige Bruder (Vollsteff). Canzonetta (Tchaikovsky). The Clock is playing (Blaauw). Salut d'amour (Elgar). Xylophone: Spanish Waltz, Mia bella (Sommerfeld). March, Wien bleibt Wien (Schrammel). Ballet Overture (Kremsner). Rain Song (Marx). Selection, "Manon Lescaut" (Puccini). Wedgwood Blue (Ketelbey). Violin: Humoresque (Dvořák). Waltz, Abendsterne (Lanner); at 1.0—News. 2.0—News; Exchange.
 2.15—Variety from Deutschlandsender. 3.0—Talk. 3.15—Elisabeth Kretschmer (Pfte.). Two Noctettes (Schumann). Polonaise in G sharp minor (Chopin).
 3.40—Reading.
 4.0-6.0—See Hamburg. 6.0—Talk:

SATURDAY (August 7)

BUDAPEST (No. 1)

(Hungary)

546 kc/s (549.5 m.); 120 kW. Transmits at intervals from 6.45 a.m. to 12.0 noon—Chimes. 12.5 p.m.—Bodrics Cigány Band. 1.30—Records. 2.40—News. 3.0—Markets. 4.15—Fairy-tales. 4.45—News. 5.0—Koellreutter (Flute). Sonata in A (Platti). Piece for Flute and Pfte. (Höffer). 5.25—Industrial News. 5.40—Station Orchestra. In the interval, Reading. 7.0—Letters. 7.30—Dahinden (Violin). 8.0—Lehar Programme and Radio Lottery Draw from the Municipal Theatre. Budapest Concert Orchestra. Conductor: Polgár. Julia Orosz and Dr. Miklos Szedo. In the interval, Foreign Affairs. 10.15—News. 10.30—Riez Cigány Band from the Gundel Restaurant. 11.15—Kemer Jazz Band from the Hotel Gellert. 12.5 a.m. (Sunday)—News.

BUDAPEST (No. 2)

(Hungary)

359.5 kc/s (834.5 m.); 18 kW. 7.30 p.m.—For Farmers. 8.0—Concert by Foreign Choirs, for the International Choral Festival, at Budapest. 9.15—News. 9.35—Dance Records.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW. 5.50 a.m.—Hymn; Gym; News. 6.30—8.0—See Berlin. 8.0—Weather; Water Level; Anniversaries; Gym. 8.30—See Hamburg. 9.30—Records. 9.45—News. 10.0—10.30—For Children. 11.55—Weather. 12.0 noon—2.0 p.m.—See Hamburg; at 1.0—News. 2.0—News. 2.15—See Hamburg. 3.0—For Hitler Youth. 3.15—Songs from a Silesian Girls' Camp. 3.45—Industrial News. 4.0—Station Orchestra; Conductor: Hagstedt; Military Band, Conductor: Funk. In the interval at 5.0—Report: The German Swimming Championships at Düsseldorf. 6.0—Programme Notes. 6.5—Light Music. Station Orchestra, Matern (Tenor) and Kirst (Pfte.). 7.0—Hitler Youth Camps in the Rhineland and Westphalia—Sequence. 8.0—News. 8.10—See Deutschlandsender. 10.0—Time; News. 10.20—Report: The German Swimming Championships at Düsseldorf. 10.50—Dance Music from Munich. 12.0 m't.—1.0 a.m. (Sunday)—Dance Music from Berlin.

DEUTSCHLANDSENDER (Germany)

191 kc/s (1,571 m.); 60 kW. 6.0 a.m.—Chimes; Motto; Weather; Records. 6.30—8.0—See Berlin; at 7.0—News. 9.40—Gym. 10.0—"Die deutsche Compagnie"—Play about the Colonial Aspirations of the Electors (Wiegand). 10.30—11.0—For Children. 11.15—Weather. 11.40—Report: Fields under Glass. 12.0 noon—1.45 p.m.—See Königsberg; at 12.55—1.15—Time and Greetings. 1.45—News. 2.0—Variety. 3.0—Weather; Exchange; Programme Notes. 3.10—Records. 4.0—See Leipzig. 6.0—Military Band, Conductor: Heidrich. 6.45—Weekly Sports Bulletin. 7.0—Derksen Band. In the interval, "Wann arbeiten sie eigentlich"—Sketch (Althaus). 7.45—Topical Review. 8.0—Motto; News. 8.10—Station Orchestra, Conductor: Karl List. Overture, "Wilhelm Tell" (Rossini). Gli Uccelli (Respighi). Espina (Chabrier). Rondo all'ongarese (Haydn-List). Ballet Music, "Die Herzdame" (Kusche). Trepak and Waltz (Tchaikovsky). Polka and Furiant (Dvorák). Bavarian Tales (Richard). Terzen (Juon). The Blue Danube (Strauss). Italian Caprice (Tchaikovsky). 10.0—News; Topical Review. 10.30—Pfte. Trio in E (Mozart). Priegnitz (Pfte.); Metzelthin (Violin); Liebermann (Cello). 10.45—Weather. 11.0 p.m.—12.55 a.m. (Sunday)—Dance Music from Berlin.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Cassel, etc. See Sunday. 6.0 a.m.—Hymn; Motto; Gym. 6.30—8.0—See Berlin. 7.0—News. 8.0—Water Level; Weather; Gym. 8.30—Concert from Bad Orb. 9.30—9.45—For Housewives. 11.40—

Local News. 11.45—Programme Notes; Markets. 12.0 noon—2.0 p.m.—See Hamburg; at 1.0—News. 2.0—News. 2.15—See Hamburg. 3.0—Report: The German Police Championships in Light Athletics. 3.15—Industrial Review. 3.30—Austrian Folk Music. 4.0—6.0—See Hamburg. 6.0—Weekly Radio Review. 7.0—9.0—See Hamburg. 9.0—Time; News. 9.15—A Sunday Trip into the Country—Band, Conductor: Philipp. 10.0—Time; News. 10.30—Dance Music from Munich. 12.0 m't.—1.0 a.m. (Sunday)—Dance Music by the Small Station Orchestra, Conductor: Hauck.

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW. Bremen, etc. See Sunday. Hamburg Day at the Berlin Radio Exhibition. 5.45 a.m.—Motto; Weather; For Farmers. 6.0—8.0 (from Stettin)—Orchestra. In the intervals, Gym and News. 8.0—Notes for Housewives; Records. 8.30—Concert from the S.S. "Lichterfelde," in the Spree, off Berlin. Hamburg Harbour Concert Orchestra, Conductor: Karl Becker; Choir of the S.S. "Hamburg." In the intervals, Reports by Captain Herbert and Kurt Esmarch on the Trip up the Spree. After the Concert, Woitach Wind Band, from the Radio Exhibition. 10.0—Hitler Youth sing and play—Programme from the Radio Exhibition. 11.0—Hensing Band. Talk in the interval. 11.45—Shipping. 12.0 noon—Concert from the S.S. "Lichterfelde," in the Spree. Hamburg Harbour Concert Orchestra, Choir of the S.S. "Hamburg"; Captain Herbert and Kurt Esmarch (Speakers). After the Concert, Kermbach Wind Band, from the Radio Exhibition. 2.0 p.m.—News from the Radio Exhibition. 2.15—Variety from the Radio Exhibition. Hamburg Station Dance Band, Conductor: Jan Hoffmann, Edith Scholz (Compère). 3.0—Hitler Youth Programme from the Radio Exhibition. 3.25—Shipping. 4.0—"Annemarie, come dance with me"—Folk Concert from the Radio Exhibition. Country Folk from Pansenhagen, Harz Yodellers, Peasants from the Frisian Islands, the Island of Föhr, etc. 5.0—"Fasse dich kurz"—Variety Concert from the Radio Exhibition. Hamburg Ladies' Trio and Male Voice Quartet, Conductor: Gregor; Germer (Songs to the Lute); Small Station Orchestra, Conductor: Gebhardt; and Speakers. 6.0—"From the Harz to the Waterkant"—North German Choirs and Bands from the Radio Exhibition. 6.50—Shipping Report from the Radio Exhibition. 7.0—"Hamburg Radio Parade"—Programme from the Radio Exhibition. Part I, Classical German Music. Stuttgart Station Orchestra, Hamburg Small Station Orchestra, Hamburg and Berlin Station Choirs, Conductor: Röder; Bernhard Jakschat (Bass-Baritone); Martina Wulf (Soprano); Peter Anders (Tenor); Hans Sachs' Monologue and Final Chorus, "The Mastersingers" (Wagner). Scherzo, Symphony in E minor (Brahms). Duet, "The Barber of Bagdad" (Cornelius). Polonaise in E (Liszt). Part II, Dance Music. Station Dance Band and Singers, Conductor: Gebhardt. Part III, Classical German Music (cont'd.). Stuttgart Station Orchestra, Hamburg Station Choir, Conductor: Röder. Peter Anders (Tenor); Martina Wulf (Soprano). Overture, "Fidelio" (Beethoven). Tenor Aria, "Così fan tutte" (Mozart). Dance, "Buryanthe" (Weber). Soprano Aria, "The Merry Wives of Windsor" (Nicolaï). Festlicher Marsch (Lürmann). Part IV, "Hamburg Ahoi"—Variety Concert. Stuttgart Station Orchestra and Hamburg Station Orchestra, Conductors: Röder and Müller Lampertz; Hamburg Harbour Concert Orchestra, Conductor: Becker; Hamburg Dance Band; Hamburg Station Choir and Choir of the S.S. "Hamburg"; Ladies' Trio and Male Voice Quartet; Hitler-Youth Ensemble; Beckmann and Gregor (Pftes.); Martina Wulf (Soprano); Peter Anders (Tenor) and Bernhard Jakschat (Bass-Baritone).

9.0—News. 9.10—Records. 10.0—News. 10.15—Report: Finals of the International Tennis Championships. 10.30 p.m.—1.0 a.m. (Sunday)—See Berlin.

HILVERSUM (1,875 m.) (Holland)

160 kc/s; 10 kW until 7.40 p.m.; 150 kW from 7.40 p.m. VARA Programme. 7.40 a.m.—Records. 9.40—VPRO Religious Programme. 10.0—Play and Records. 11.40 a.m.—1.25 p.m.—Records. 1.40—"The Fantasia." Conductor: Walis; at 2.10—Records. 2.50—Talk. 3.10—Amsterdam String Orchestra. Conductor: Krelage. 4.10—Esperanto Programme. 4.30—Amsterdam String Orchestra (cont'd.). 5.20—Literary Talk. 5.40—Steyn Organ. 6.10—Ramblers Dance Band. Conductor: Masman. 6.45—Film. 7.10—VPRO Talk. 7.40—News. 7.55—The Three Harrysons (Accordions). 8.10—Henriette Davids in her repertoire. 8.30—The Three Harrysons (Accordions). 8.40—Sketch. 8.45—"The Fantasia." Conductor: Walis. 9.25—Recitations. 9.40—News. 9.45—Film. 10.25—Ramblers Dance Band. Conductor: Masman. 11.10—11.40—Records.

HILVERSUM (301.5 m.) (Holland)

995 kc/s; 15 kW until 7.40 p.m.; 60 kW from 7.40 p.m. KRO Programme. 7.40—8.55 a.m.—Records. 9.40—Records. 11.10—Religious Address. 11.40—News. 11.55—KRO Orchestra. Conductor: Reinards; at



Exclusive "World-Radio" Picture
Mademoiselle Hélène Noguez, "Paquerette" in "Les trois petits chaperons bleus," at Radio-Paris (4.15 p.m.)

12.40—1.0 p.m.—Records; News. 1.40—For Young People. 2.10—KRO Melodists. Conductor: Lustenhouwer. Klein, Jr. (Refrains). 2.40—For Children. 3.40—HIRO Programme: Records and Talks. 5.40—Records. 6.0—Review of Periodicals; Records; News. 6.55—Introductory Talk to the 7.0 p.m. Opera. 7.0—"The Magic Flute" (Mozart) from Salzburg. Vienna Philharmonic. Conductor: Toscanini. Cast: Luise Helletsgruber, Dora Komarek, Eszter Rethy, Alexander Kipnis, Hede Roswaenge and Kerstin Thorborg; at 8.15—8.35—News and Meditation. 10.5—Records; News; Sports. 10.35—KRO Boys. Conductor: Lustenhouwer. Klein, Jr. (Refrains). 11.5—11.40—Records.

KALUNDBORG (Denmark)

240 kc/s (1,250 m.); 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.). 7.0 a.m.—Gym. 8.30—Service from Copenhagen Cathedral. 11.10—Fish Markets. 12.0 noon—2.0 p.m.—Bendix String Ensemble. 2.55—Mogens Hansen's Ensemble. Helleman (Songs). King Christian X Jubilee March (Thomsen). Ma bien aimée (Waldteufel). Selection, "Othello" (Verdi). Loin du bal (Gillet). Waltz, "Coppélia" (Delibes). Entr'acte, "Mignon" (Thomas). Ballet Suite (Heinrich). Songs. Carl Nielsen Potpourri. Valse sérieuse (Hansen). Voksende Temaer (Poulsen). Romance (Jersholt). Excerpts, "Maskarade" (Nielsen). Danish Folk Song, Dale Melody and Folk Dance (Sandby). March (Gormsen).

4.56—Poem. 5.25—Weather. 5.40—Exchange; Markets. 5.50—Records. 6.15—Weather. 6.20—Talk: Electricity. 6.45—Talk. 7.0—News. 7.30—Talk in Norwegian. 8.0—Report from Frederiksborg High School; Youth at the Danish Women's Summer Camp. 8.30 p.m.—2.0 a.m. (Sunday)—Radio Ball. 8.30—Prell's Dance Band; at 9.15—9.35—Visitors at the Microphone, and at 10.0—10.20—News. 11.15—Horting Dance Band from the Valencia. 12.0 m't.—Chimes; Skjoldborg Dance Band from the Bellevue Strandhotel. 1.0—2.0—Magnussen Dance Band and Pfte. Trio, from the Arena.

KÖNIGSBERG (Heilsberg) (Germany)

1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.). 5.0 a.m.—Peasant Band. 5.45—Notes for Farmers. 6.0—6.20—Gym. 6.30—8.0—See Berlin. 8.0—Meditations; Gym. 8.30—10.0—See Hamburg. 10.0—10.30—"Die verkauften Soldaten"—Play (Rukshcio). 10.45—Weather. 11.50—Markets. 12.0 noon—2.0 p.m.—Börschel Band and Military Band, Conductor: Kriening; at 12.55—1.15—Time and News. 2.0—News. 2.10—Anniversaries. 2.15—3.0—Variety. 3.30—For Children. 3.45—Topical. 4.0—See Leipzig. 6.0—Sports. 6.15—"A Jolly Life under Canvas"—A Radio Trip round East Prussian Hitler Youth Camps. 6.50—Local News. 7.0—Station Orchestra, Conductor: Brückner. Overture, "Rosamunde" (Schubert). Two Mecklenburg Dances (Ihlau). Suite, Aus Holbergs Zeit (Grieg). Three Swedish Dances (Graener). Overture, "The Barber of Bagdad" (Boieldieu). 8.0—News. 8.10—Variety Concert, with Short Sketches. 10.0—News. 10.20—See Cologne. 10.40—12.0 m't.—Dance Music from Munich.

LAHTI (Finland)

166 kc/s (1,807 m.); 150 kW. Relayed by Helsinki, 895 kc/s (335.2 m.). Transmits at intervals from 7.5 a.m. to 7.50 p.m.—Radio Sextet. Conductor: Cronvall. 8.45—News (Finnish, Swedish). 9.10 and 9.25—Reports: The International Shooting Championships. 9.40—11.0—Rytmiopotat Dance Band.

LEIPZIG (Germany)

785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.). 5.50 a.m.—News; Motto; Gym. 6.30—8.0—See Berlin; at 7.0—News. 8.0—Gym. 8.20—Pfte. 8.30—Orchestra from Saarbrücken. 9.30—Talk. 9.45—10.0—Exchange; Water Level. 10.30—10.45—Programme Notes. 11.50—Anniversaries. 12.0 noon—2.0 p.m.—See Breslau; at 1.0—News. 2.0—News; Exchange. 2.15—Operetta Records. 3.20—For Children. 3.50—Weather; Industrial News. 4.0—Station Orchestra and Choir, Conductor: Kretschmar. Overture, "Der Opernball" (Heuberger). Chorus, "Tsar and Carpenter" (Lortzing). Waltz, Tanz fürs Leben (Czernik). Three Oriental Miniatures (Fischer). Choir: Waltz on Themes from Old Favourites, Lebenslust (Nagler). Scheherazade (Schmalstich). Sonntag im Heidedorf (Lautenschläger). Chorus, "Der Waffenschläger" (Lortzing). Ballet Scene (Helmberger). Folk Songs (arr. Reger): (a) Die drei Reiter am Tore, (b) Hoch von Dachestein am, (c) Prinz Eugen, der edle Ritter. Selection, "Die Dorothee" (Vetterming). Waltz, Stunden, die wir nicht vergessen (Gröschel). Hoch zu Ross (Unrath). Abmarsch in die Quartiere (Blankenburg). Suite, In the Park (Löh). Waltz for Choir: Am Wörthersee (Koschat). Gallop, Frisch durchs Leben (Strauss). 6.0—A Modern Dictionary. 6.15—Schubert Records. 6.50—Evening Review. 7.0 (from Dresden)—"The Strauss Family"—Concert. Dresden Philharmonic, Conductor: Blumer; Else Kochhann (Soprano) and Karl Ziegler (Tenor). Overture, "Der lustige Krieg" (Joh. Strauss, Jun.). Waltz, Das Leben

ein Tanz (Joh. Strauss, Sen.). Soprano and Orchestra: Czardas from "Die Fledermaus" (Joh. Strauss, Jun.). Polka-Mazurka, Frauenherz (Jos. Strauss). Persian March (Joh. Strauss, Jun.). Tenor and Orchestra: Romance, "Das Spitzentuch der Königin" (Joh. Strauss). Waltz, Loreley-Rheinklänge (Joh. Strauss, Sen.). Ballet Music, "Ritter Pasman" (Joh. Strauss, Jun.). Duet, "Karneval in Rom" (Joh. Strauss, Jun.). Waltz, Fesche Geister (Eduard Strauss), March, "The Gipsy Baron" (Joh. Strauss, Jun.). Soprano and Orchestra: Waltz, Wine, Woman and Song (Joh. Strauss, Jun.). Gallop, Mit Chic (Eduard Strauss). Waltz, The Skater (Joh. Strauss, Nephew). Song, "Waldmeister" (Joh. Strauss, Jun.). Annen-Polka (Joh. Strauss, Jun.). Duet, "A Night in Venice" (Joh. Strauss, Jun.). Waltz, Sphärenklänge (Josef Strauss). Perpetuum mobile (Joh. Strauss, Jun.). Radetzky-Marsch (Joh. Strauss, Sen.). 9.0—News.

9.15—"Lovers' Trysts"—Sketches with Music from Goethe, Keller, Hansan, and Gudmundsson (arr. Drescher). (a) The Legend of the Lovers on a Summer's Night, (b) Northern Nights, (c) The First Excursion together, (d) In the Cornfield, (e) A Summer's Wedding. 10.30—News. 10.50 p.m.—12.0 m't.—Dance Music from Munich.

LILLE (Radio PTT Nord) (France)

1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.30 a.m. to 5.0 p.m.—Orchestral Concert from Marseilles (PTT). 5.45—See Bordeaux-Lafayette. 6.30—Talk. 6.40—Record. 6.45—Talk in English. 7.0—Topical Review. 7.30—Talk. 7.45—Record. 7.50—For Housewives. 8.0—Record; Sports. 8.15—Lerouge (Accordion). 8.30—"3 Per Cent."—Three-Act Play (Ferdinand). 10.30—News.

LYONS (PTT) (France)

648 kc/s (463 m.); 100 kW. Transmits at intervals from 6.30 a.m. to 7.0 p.m.—"The Magic Flute" (Mozart) from Salzburg. In the intervals, News and after the Programme, News; Dance Records.

MONTE CENERI (Switzerland)

1,167 kc/s (257.1 m.); 15 kW. 12.0 noon—Records. 12.30 p.m.—News. 12.40—See Sottens. 11.30—11.45—Report: The Cycle Tour of Switzerland. 5.0—6.0—Bel Canto Records. 7.25—Report: The Cycle Tour of Switzerland. 7.45—News. 7.55—Records: Italian Music. 8.30—"Don Giovanni verita"—One-Act Play about Garibaldi (Ricci). 9.20—10.0—Dance Records.

MOSCOW (No. 1) (Russia)

172 kc/s (1,744 m.); 500 kW. 12.30 p.m.—Dutch Programme. 2.0—Concert. 2.45—Programme Notes. 2.55—News. 3.0—For Children. 3.45—Educational. 4.0—News. 5.30—News. 6.0—Records. 6.30—Provincial Programme. 9.0—German Programme. 9.55—Krem-lin Chimes. 10.5—French Programme. 11.0 p.m.—1.0 a.m. (Sunday)—Spanish Programme.

MUNICH (Germany)

740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.). 6.0 a.m.—Motto; Weather; Gym. 6.30—8.0—See Berlin. 8.0—Gym. 8.30—10.0—See Hamburg. 11.0—Markets; Records; Talk; News. 12.0 noon—Orchestra, Conductor: Schwarz. Overture, "Rosamunde" (Schubert). Minuet (Bocherini). Two Waltzes (Dvorák). Bizet Potpourri (Urbach). Suite, Südlich der Alpen (Fischer). Dream Waltz (Müllöcker). 1.0 p.m.—News. 1.15—Records. 2.0—News; Exchange. 2.15—Weekly Sports Bulletin. 2.25—Musical Sketches (Brosig). Emmyluise Lemberty (Songs); Regina Engelschalk (Violin and Viola); Eleanor Day (Cello); Fink (Clarinete and Saxophone); Müller-Krippen and Reitzmann (Pfte.). 3.40—Reading. 4.0—See Leipzig. 4.0—Records: Community Singing at Oberammergau. 6.30—Markets. 6.45—Topical Talk.

7.0—"Die Justige Benzinkutsche" —Munich Variety. 9.0—News.
9.10 p.m.—12.0 m't.—Dance Music. Station Dance Band and Schrammel Band; Nelly von Peckens (Songs); Bräu (Saxophone); Tiefenböck (Pfte.); at 10.0—News.

OSLO (Norway)

260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday. Transmits at intervals from 10.5 a.m. 5.0 p.m.—Light Orchestral. 6.0—For Children. 6.30—Economics. 7.0—News. 7.30—Time; Station Orchestra. Conductor: Kramm. 8.40—Recitations. 9.0—Old Dance Music. 9.25—Report: The International Shooting Championship at Helsinki. 9.40—News. 10.0—Topical. 10.15-11.0—Light Music and Dance Music.

PARIS (Eiffel Tower)

(France)
1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 7.30 a.m. 7.0 p.m. (also Lyons PTT)—"The Magic Flute" (Mozart), from the Salzburg Festival (for details, see Hilversum (301.5 m.)). Talk in the interval.

PARIS (Poste Parisien)

(France)
959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m. 12.0 noon—Exchange. 12.5 p.m.—Records. 12.35—Exchange. 12.40—Records: Military Music. 12.55—Radio Competition Prize-Winners. 1.15—Records of the Paris Dance Band. 1.30—Exchange. 1.55-2.0—Records. 4.30 and 6.0—Exchange. 6.5—Records: Songs from Frauenliebe und Leben" (Schumann) by Lotte Lehmann. 6.15—Roman Catholic Notes. 6.35—Records. 6.40—Foreign Affairs. 6.50—Record. 6.53—News. 7.20—Song Records. 7.30—Yacovlev Cigany Band. 7.45—Records: Max Regnier; Sketches. 8.0—Topical. 8.5—La bonne histoire. 8.20—Adison Orchestra. 8.35—Italian Records. 9.10—Love Duet, "Tristan and Isolde" (Wagner) by Melchior and Frieda Leder (Recorded). 9.25—"Follow the Guidel"—Sequence. 9.50—News. 9.55—Dance Records. 10.30-11.0—Variety Records.

PARIS (PTT) (France)

695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.30 a.m. 12.0 noon—Light Music and Dance Music by the Goldy Orchestra and Sorbier (Tenor); at 12.45-1.0 p.m.—News. 1.50—Talk: Trouville. 2.30—Concert for Hospitals. 'Cello: (a) Sonata (Boccherini), (b) Tarantella (Popper). Songs: "La bonne parole"—Sketch (Cossin-Charpentier). 3.30—Concert from Vichy Casino. Conductor: Brun. 4.50—Talk: Catalan Art. 5.0—Mangeret Orchestra. Juliette Stora (Songs). March, Pro Patria (Maurice André). Overture, Les linottes (Mathé). Valse des blondes (Ganne). Persian Dance (Guiraud). Excerpt, "Les Erynnies" (Massenet). Selection, "Lilac Time" (Schubert-Berté). Sérénade carnavalesque (Erlanger). Selection, "Philémon et Baucis" (Gounod). 6.30—Songs from Nice-Côte d'Azur. 7.0—News; Topical Review. 8.0—Variety. 8.30 (approx.) (also Marseilles (PTT), and Alpes-Grenoble (PTT))—Programme from the Opéra-Comique. "La Bohème" (Puccini); Invitation to the Dance—Ballet (Weber). 11.0-12.0 m't.—News; Dance Music from Paris (Radio-Paris).

PARIS (Radio-Paris)

(France)
182 kc/s (1,648 m.); 80 kW. Time Signals at 7.0 a.m., 12.30 p.m., 8.30 p.m., and 10.45 p.m. 6.50 a.m.—Records. 7.0—Gym. 7.15—Records: Russian Music. 7.30—News; Press Review. 8.0-8.30—Variety Records. 10.15—Records: Marches. 10.30—Records: Light Classical Music. 11.0—Records: Nature in Music. 11.30—Records: Viennese Waltzes. 12.0 noon—Derveaux Orchestra. March (Schubert). Selection, "L'amour masqué" (Messager). 12.15 p.m.—Economics. 12.30—Derveaux Orchestra. Overture, "The Crown Diamonds" (Auber). Valse des brunes (Ganne). Quatre pièces berri-chonnes (Steck). Slav Dance (Dvořák). Selection, "The Land of Smiles" (Lehár).

1.15—Mlle Lyette Guilbert (Songs). 1.30—News. 1.45—Derveaux Orchestra. In a Persian Market (Kettelbey). Histoires (Aert). Sérénade (Saint-Saëns). Gretna Green (Guiraud). 2.0—Talk: Hollywood. 2.15—Talk: The Colonies. 2.30—Talk: Impressions of America. 2.45—Literary Review. 3.0—Zither and Mandoline Records. 3.15—Records: Absence. 3.30—Talk: Contemporary Russian Literature. 4.15—"Les trois petits chaperons bleus"—Operetta for Children (de Miollis). 5.0—André Orchestra. Marche tzigane (Lacôme). Overture, "Le Châlet" (Adam). Mandoline Sérénade (Desormes). Selection, "Mignon" (Thomas). Waltz, Love Song (Tomasi). Overture, "Madame Boniface" (Lacôme). Adoration (Filippucci). Scène municipale (Tomasi). Selection, "La Rousseotte" (Hervé). Valse chaloupée (Offenbach). Polonaise in A (Chopin). 6.0—Reading (Aymé). 6.15—Talk: M. Bergeret at the Exhibition. 6.30—Reading (Duhame). 6.45—Review by Haurigot. 6.50—Racing. 7.0—Talk: Dancing Displays. 7.10—Records: Rondos. 7.20—Sound News. 7.30—Germaine Féraldy (Songs). Three Waltzes (Strauss). Song, "Giuditta" (Lehár). Waltz and Tango (Rousseau). Waltz (Richepin). 7.45—Marcelle Samson (Songs). 8.0—Political Review. 8.15—Radio-Liberté. 8.30—Orchestral Concert. Conductor: Bigot. Delune ('Cello); Mlle. Stappen (Songs). Overture, "The Seraglio" (Mozart). Ausonia (Saminsky). 'Cello and Orchestra: Tableaux espagnols (Delune), with the Composer ('Cello), Chants Lunaires (Bergmann). Third Symphony (Magnard); at 9.30—Press Review. 10.30—Records: Tarantellas. 10.45—News. 11.0 p.m.—1.0 a.m. (Sunday)—Bouillon Dance Band.

PRAGUE (Czechoslovakia)
638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 6.0 a.m. 11.5 a.m.—See Bratislava. 11.55—For Farmers. 12.5 p.m.—Record. 12.10—Water Level. 12.11—Records. 12.25—News. 12.35—See Brno. 1.30—Industrial Review. 1.40—Records. 2.0—German Transmission: Film Songs. 2.20—Records. 2.30—See Bratislava. 2.40-3.0—Records. 4.0—Weather. 4.5—Variety Concert. Balsanek Salon Orchestra. Mlejnek (Songs). Koci-Walden (Xylophone). Erna Boroni (Siffleuse). 5.40—For Workers. 5.50—For Farmers. 5.55—German Transmission: Sports; Humorous Recitations; Songs to the Lute. 6.45—News and Topical (German). 7.0—News; Economics. 7.15—Records. 7.50—"Tonight in New York"—Sequence. 8.10—"A Visit to Paris"—Variety. 9.55—Record. 10.—Time; News. 10.20—Records. 10.35-11.30—See Brno.

PRAGUE (Czechoslovakia)

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RADIO-NORMANDIE

(France)
1,113 kc/s (269.5 m.); 15 kW. 6.45 a.m.—Military Band. 7.0—News. 7.45—Joe Murgatroyd. 8.0—Light Music. 8.30—Records. 8.45—Light Music. 9.30—Favourite Songs. 9.45—Light Music. 10.0—Records. 10.15—Light Music. 10.30—Pfte. 10.45—Records. 11.0—Chansonnettes. 12.0 noon—Records of Paul Godwin and his Orchestra. 12.20 p.m.—Lyné Marlys. 12.35—News. 1.0—Music. 1.40—Records of Caruso. 2.0—Records. 2.30—Report: The Paris Exhibition. 2.45—Light Music. 3.0—Records. 3.15—Light Music. 3.30—Dance Music. 4.0—Light Music. 5.0—For Children. 5.15—Light Music. 5.30—Records. 5.45—Light Music. 6.0—Children's Corner. 6.45—Talk; News; Racing Results. 7.0—Concert. 7.40—News. 8.0—Sketches. 8.20—Records of Charles Panzera. 8.40—Orchestra. 9.0—Variety Items. 9.0—Café Concert. 11.0—Dance Music. 12.0 m't.—Midnight Melodies. 12.30-2.0 a.m. (Sunday)—Dance Music.

ROME (Italy)

713 kc/s (420.8 m.); 50 kW. Naples, etc. See Sunday. 7.45 a.m.—Gym. 8.0-8.20—News. 11.30—See Turin. 12.30 p.m.—Sports. 12.40-1.50—Popular Music.

Radio Orchestra. Conductor: Salerno; at 1.0-1.15—News. 1.50—Announcements. 2.0—News. 2.20-3.0—News; Excerpts, "Norma" (Bellini); Talk. 4.25—Talk: Culture and the Nation. 4.40—For Children. 5.0—News; Lotteries.



From a drawing by Madame Wiener
Maestro Molinari, conductor of Rome's concert at 9.30 p.m.

5.15-5.50—See Turin. 6.10—Rural Programme. 6.50—Dopolavoro Notes. 7.0—Esperanto Talk; Music, Announcements. 7.53—News in Foreign Languages. 8.10—Times; News. 8.30—Talk. 9.0—"Canaglie"—One-Act Play (Ruggi). 9.30—Symphony Concert from the Basilica di Massenzio. Conductor: Molinari. Overture, "Il signor Bruschino" (Rossini). Pathetic Symphony (Tchaikovsky). Decima Legio (Giuranna). L'après-midi d'un faune (Debussy). Scherzo, "A Midsummer Night's Dream" (Mendelssohn). Dance of the Hours, "La Gioconda" (Ponchielli). 11.0—News. 11.15—News (English). 11.30 p.m.—12.30 a.m. (Sunday)—Dance Music.

STOTTENS (Switzerland)

677 kc/s (443.1 m.); 100 kW. Relayd by Geneva; 401 kc/s (748 m.). 12.30 p.m.—News. 12.40—Records. 1.5—Dance Records. 1.30—Review for Alpinists. 1.40-2.0—Records. 3.20—Records: Marches and Waltzes. 3.50-4.20—Report: The Cycle Tour of Switzerland. 5.0-6.0—See Monte Ceneri. 6.0—For Children. 6.30—Records: Light Orchestral and Accordion Music. 6.55—Lausanne Cathedral Chimes. 7.0—Legal Talk. 7.10—Sports Talk. 7.20—Fribourg Review. 7.30—Music. 7.45—News. 8.0—Report: The Cycle Tour of Switzerland. 8.35—Records, Quintet for Pfte. and Strings (Schmitt). Dichterliebe (Schumann), by Panzera (Baritone). 9.15—Radio Suisse romande Orchestra and Beromünster Station Orchestra. Conductor: Denzler. Bacchanal, "Tannhäuser" (Wagner). Forest Murmurs, "Siegfried" (Wagner). Funeral March, "The Dusk of the Gods" (Wagner). Prelude and the Death of Isolde, "Tristan and Isolde" (Wagner). Ballet, The Fire-Bird (Stravinsky). 10.15—Report: The International Shooting Championships at Helsinki. 10.25-11.0—Dance Records.

STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday. Transmits at intervals from 7.45 a.m. 12.25-12.55 p.m.—Steel Harp. 3.0—Hawaiian Music. 3.30—Reading (Alexandra David-Neel). 4.0—Bröström's Orchestra. Overture, "Masaniello" (Auber). Hofballtänze (Lanner). Salut d'amour (Elgar). Selection, "La Bohème" (Puccini). Serenata

d'Amalfi (Bece). Rusticanaella (Coropassi). Selection, "The Circus Princess" (Kálmán). 5.5—For Children. 5.30—Gertrud Rundberg (Pfte.). Fantasia in C minor (Mozart). Impromptu in E flat (Schubert). Hungarian Rhapsody (Liszt).

5.50—Talk: Swimming the English Channel. 6.15—Records. 7.15—News. 7.30—Talk. 7.50—Old Time Dance Music by Sköld's Orchestra. 8.30—Reading. 9.0—Cabaret. 9.45—News. 10.0—Dance Music. 11.0-11.5—Chess Report.

STRASBOURG (France)

859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m. 3.30-4.50—See Paris (PTT). 5.0—For Young People. 5.30—Industrial Talk. 5.45—See Bordeaux-Lafayette. 6.30—Songs from Nice-Côte d'Azur. 7.0—News; Review. 7.30—Talk. 7.45—News. 8.0—News (German). 8.15—Sports. 8.30—Lorraine Soirée—Station Orchestra, Conductor: de Villers, with Fernand Rousselot, etc. 10.30—News. 11.0—News (German). 11.5 p.m.—1.0 a.m. (Sunday)—Dance Music from Paris (Radio-Paris).

STUTT GART (Germany)

574 kc/s (522.6 m.); 100 kW. 5.0 a.m.—See Königsberg. 5.45—Hymn; Notes for Farmers; Gym. 6.15—News. 6.30-8.0—See Berlin. 8.0—Weather Level; Weather; Markets; Gym. 8.30-10.0—See Hamburg. 11.30—Folk Music. 12.0 noon-2.0 p.m.—See Breslau; at 1.0—News. 2.0—Records. 2.15—See Hamburg. 3.0—Sunday Excursion to Germany's Beauty Spots—Sequence, with the Station Orchestra. 4.0—Records: Dances. 5.0—See Hamburg. 6.0—Weekly Sound News Review. 7.0-9.0—See Hamburg. 9.0—News. 9.15—Week-end Variety. 10.0—Time; News. 10.30—Records: Variety. 12.0 m't.—1.0 a.m. (Sunday)—See Frankfurt.

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.30 a.m. 12.5 p.m.—Operetta Songs, "Au Soleil de Marseille" (Sellers), "Un petit bout de femme" (Mercier), "Oh mon bel inconnu" (Hahn). 12.15—News. 12.45—Light Music. 1.10—"Quand on s'est aimés"—Fantasy. 1.40—Dance Songs. 1.55—News. 6.0—Orchestra. 6.15—Film Songs. 6.35—Opera Music. Excerpts, "Don Giovanni" (Mozart), "Prince Igor" (Borodin), "Carmen" (Bizet). 6.50—News; Sports. 7.0—Musical Comedy Music. 7.15—News. 7.40

SATURDAY (August 7)

Light Music. 7.45—Orchestra. 8.15—Light Music. 8.30—Songs. 8.45—Military Band. 9.10—Light Music. 9.25—Ballet, "Faust" (Gounod). 9.45—Light Music. 10.0—News. 10.15—Orchestra. 10.35—"Marriage"—Fantasy. 11.0—Light Music. 11.15—Operetta Music. Excerpts, "The Tsarevitch" (Lehár), "Ginette et moi" (Messier). Offenbach Potpourri. 11.35—Light Music. 11.50—Announcements.

TURIN (No. 1) (Italy)

1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday. Transmits at intervals from 7.45 a.m. 7.45 a.m.—Gym. 8.0-8.20—News. 11.30—Chesi-Zanardelli-Cassone Trio. 12.30 p.m.—Sports. 12.40-1.50—See Rome. 1.50—Announcements. 2.0-2.15—News. 4.25—See Rome. 4.40—For Children. 5.0—News; Lotteries. 5.15-5.50—Angelini Dance Band. 6.50—Dopolavoro Notes. 7.0—Light Music. 7.40—News in Foreign Languages. 8.10—Time; News. 8.30—Talk. 9.0—"Turandot" (Puccini) from the Arena, Verona. Talk and News in the intervals. News after the Programme. 12.0 m't. (approx.)-12.30 a.m. (Sunday)—Dance Music.

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday. Transmits at intervals from 6.45 a.m. 12.0 noon—Station Orchestra. 1.0 p.m.—News. 1.10—Classical Records. 2.0—Records of Mariano Stabile (Baritone). 2.30—Announcements. 3.0—Weather; Exchange. 3.15—"Margareten" Mandoline Band. Schatzwalzer (Strauss). Intermezzo, Aisha (Lindsay). Canadian Dance (Goitre). Potpourri of Russian Folk and Dance Songs, Wolgaklänge (Ritter). Song from "Hanni geht tanzen" (Eysler). March, Geneva (Bara). 4.0—News; Exchange. 4.5—French Talk: Paris en été 1937. 4.30—Records: Something for Everybody. 5.50—Reading (Hans Klöpfer). 6.15—Film Review. 6.35—Monthly Political Review. 7.0—Time; News. 7.10—Talk: Hofmannsthal and Austria. 7.30—"Hoheit tanzt Walzer" (Ascher). Mixed Choir and the Station Orchestra. Conductor: Schönber. 9.40—Wilhelm Winkler ('Cello); Zechner (Pfte.). Adagio (Vivaldi). Minuet (Valensin). Andante (Mozart). Moto perpetuo (Cupis). Schwalbenflug (Stepan-Winkler). Polonaise (Dvořák). 10.10—News. 10.20-11.30—Dance Music; at 10.55-11.0—Announcements.

WARSAW (Poland)

224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday. 6.15 a.m.—Hymn. 6.18—Gym. 6.38—Records. 7.0—News. 7.10-8.0—Records. 11.57—Time; Fanfare. 12.3 p.m.—News. 12.15—Talk. 12.25-1.0—Ballet Music by the Wilno Station Orchestra. Conductor: Szczepanski. Ballet, "Faust" (Gounod), "Carmen" (Bizet), "Coppélia" (Delibes), "La Gioconda" (Ponchielli), "The Demon" (Rubinstein), and "The Nutcracker" (Tchaikovsky). 3.45—Industrial News. 4.0—For Children. 4.30 (from Cracow)—Spanish Music. Conductor: Herman. Spanish Rhapsody (Chabrier). Spanish Sérénade (Bizet). Spanish Sérénade (de Micheli). Sérénade from "Namouna" (Lalo). Granada from the Spanish Suite (Albeniz). Prelude, Tango and Malaguena (Albeniz). Andalusian Romance (Saraste). Potpourri, A Fête at Aranjuez (Demersmann). Evening in Toledo (Schmelging). Overture, Night in Madrid (Glinka). 5.50—Talk. 6.0—Programme Notes. 6.15—Records: Waltzes and Operetta Music. 7.0 (from Katowice)—Wind Band. 7.40—Topical Talk. 7.50—Sports Notes. 8.0—For Poles Abroad: Polish Folk Songs (arr. Plucinski). 8.45—News. 9.5—Station Dance Band. Conductor: Gorzynski. Harris (Refrains); at 9.45—Review of Periodicals. 10.50-11.0—News; Press Review.

STATIONS IN ORDER OF FREQUENCIES AND WAVELENGTHS

Corrected in accordance with the latest official information available at the time of going to press.

kc/s	m.	kW	Station	kc/s	m.	kW	Station	kc/s	m.	kW	Station
Band No. 1 150-300 kc/s.											
152	1973.5	5	Ankara (Turkey)	731	410.4	0.1	Assiut (Egypt)	1122	267.4	6.25	Nyregyháza (Hungary)
153	1961	7	Kaunas (Lithuania)			3	Madrid (EAJ2) (Spain)	1131	265.3	10	Hörby (Sweden)
		150	Hilversum (No. 1) (Holland)			5.5	Seville (Spain)	1140	263.2	7	Turin (No. 1) (Italy)
			(Power 10 kW only until 7.40 p.m. B.S.T.)			20	Tallinn (Estonia)			10	Trieste (Italy)
160	1875			740	405.4	100	Munich (Germany)	1149	261.1	20	LONDON NATIONAL
		150	Radio-Romania (Romania)	749	400.5	100	Marseilles (PTT) (France)			20	NORTH NATIONAL
166	1807	150	Lahti (Finland)			1	Pori (Finland)			50	SCOTTISH NATIONAL
172	1744	500	Moscow (No. 1) (U.S.S.R.)	758	395.8	12	Katowice (Poland)	1158	259.1	10	Kosice (Czechoslovakia)
182	1648	80	Radio-Paris (France)	767	391.1	60	BURGHEAD	1167	257.1	15	Monte Ceneri (Switzerland)
185	1622	5	Istanbul (Turkey)			70	SCOTTISH REGIONAL	1176	255.1	10	Copenhagen (Denmark)
187.5	1600	20	Irkoutsik (U.S.S.R.)			0.25	Sortavala (Finland)	1185	253.2	60	Nice-Côte d'Azur (France)
191	1571	60	Deutschlandsender (Germany)	776	386.6	10	Stalino (U.S.S.R.)			0.5	Cassel (Germany) (Suspended)
200	1500	150	DROITWICH			120	Toulouse (PTT) (France)	1195	251	2	Coblenz (Germany)
208	1442	35	Minsk (U.S.S.R.)	785	382.2	120	Leipzig (Germany)			25	Frankfurt (Germany)
216	1389	16	Reykjavik (Iceland)	795	377.4	7.5	Barcelona (EAJ1) (Spain)			5	Freiburg-im-Breisgau (Ger.)
217.5	1379	150	Motala (Sweden)			50	Lwów (Poland)	1204	249.2	2	Trier (Germany)
224	1339	100	Novosibirsk (U.S.S.R.)	804	373.1	5	PENMON (Anglesey)	1204	249.2	5	Prague (No. 2) (Czechoslovakia)
232	1293	120	Warsaw (No. 1) (Poland)	814	368.6	70	WELSH REGIONAL	1213	247.3	60	Lille (Radio PTT Nord) (France)
		150	Luxembourg	823	364.5	50	Milan (No. 1) (Italy)	1222	245.5	0.3	Narvik (Norway)
240	1250	100	Moscow (No. 2) (U.S.S.R.)			12	Bucharest (Romania)			50	Radio-Maroni (Bologna) (Italy)
		60	Kalundborg (Denmark)			1.5	Agen (France)	1231	243.7	5	Görlitz (Germany)
		0.5	Vienna Experimental (Austria)	832	360.6	35	Kiev (No. 2) (U.S.S.R.)	1235	242.9	5	Gleiwitz (Germany)
248	1209.6	100	Kiev (No. 1) (U.S.S.R.)			0.4	Rueil - Malmaison (Beziers) (France)	1249	240.2	17	Cork (Irish Free State)
253	1186	10	Vigra (Aalesund) (Norway)	841	356.7	100	Berlin (Germany)			1	Saarbrücken (Germany)
255.4	1170	25	Tashkent (U.S.S.R.)			1	Sofia (Bulgaria)	1258	238.5	15	Bilbao (EAJS) (Spain)
260	1153.8	60	Oslo (Norway)			10	Bodö (Norway)			1	Riga (Latvia)
271	1107	100	Leningrad (No. 1) (U.S.S.R.)	850	352.9	1	Porsgrund (Norway)	1267	236.8	2	Rome (No. 3) (Italy)
282	1065	10	Tromsø (Norway)			10	Stavanger (Norway)	1276	235.1	27	Nürnberg (Germany)
283	1060	35	Tiflis (U.S.S.R.)			10	Valencia (Spain)			2	Radio-Méditerranée (France)
						3	Valencia (Spain)			1	Varna (Bulgaria)
						10	Simferopol (U.S.S.R.)	1285	233.5	1	ABERDEEN
Band No. 2. 300-500 kc/s.											
340	882.3	20	Saratov (U.S.S.R.)	859	349.2	10	Strasbourg (France)			0.25	Dresden (Germany)
347	864	10	Finmark (Norway)	868	345.6	100	Poznan (Poland)			5	Klaszary (Austria)
350	857.1	10	Archangel (U.S.S.R.)	877	342.1	16	LONDON REGIONAL	1294	231.8	5	Vorarlberg (Austria)
355	845.1	20	Rostov-on-Don (U.S.S.R.)	886	338.6	15	Graz (Austria)	1303	230.2	0.5	Danzig (Danzig Free City)
359.5	834.5	18	Budapest (No. 2) (Hungary)			15	Linz (Austria)			0.25	Karlstad (Sweden)
375	800	40	Sverdlovsk (U.S.S.R.)	895	335.2	10	Helsinki (Finland)	1312	228.7	2.5	Malmö (Sweden)
390	769	10	Voronezh (U.S.S.R.)			1.5	Limoges (PTT) (France)			0.25	Norrköping (Sweden)
		0.6	Boden (Sweden)	904	331.9	100	Hamburg (Germany)			0.25	Trollhättan (Sweden)
392	765	30	Banská-Bystřica (Czecho.)			10	Dniepropetrovsk (U.S.S.R.)	1321	227.1	1.25	Magyaróvár (Hungary)
			(Power 15 kW after 6 p.m.)	913	328.6	60	Toulouse (Radio - Toulouse) (France)	1330	225.6	2	Bremen, Hanover, Kiel, Stettin (Germany)
401	748	1.3	Geneva (Switzerland)	922	325.4	32	Brno (Czechoslovakia)			0.5	Magdeburg (Germany)
413.5	726	100	Moscow (No. 3) (U.S.S.R.)	932	321.9	15	Brussels (No. 2) (Belgium)	1339	224	2	Lódz (Poland)
431	696	0.6	Ostersund (Sweden)	941	318.8	12	Algiers (North Africa)			1.5	Montpellier (PTT) (France)
		10	Oulu (Uleaborg) (Finland)	950	315.8	100	Göteborg (Sweden)			0.5	Cairo (No. 2) (Egypt)
Band No. 3. 500-1,500 kc/s.											
518	579	0.5	Tartu (Estonia)	959	312.8	60	Breslau (Germany)			0.5	Dublin (Irish Free State)
519	578	0.7	Hamar (Norway)	968	309.9	30	Poste Parisien (France)	1348	222.6	2	Königsberg (No. 2) (Germany)
		1	Innsbruck (Austria)			10	Bordeaux-Sud-Ouest (France)			0.15	Rjukan (Norway)
527	569.3	6.3	Ljubljana (Yugoslavia)	977	307.1	100	Odessa (U.S.S.R.)			2	Salzburg (Austria)
		10	Vuopuri (Finland)			100	NORTHERN IRELAND REGIONAL			0.7	Tampere (Finland)
536	559.7	10	Bolzano (Italy)			10	Genoa (Italy)	1357	221.1	2	Bari (No. 2) (Italy)
		50	Wilno (Poland)	986	304.3	24	Torun (Poland)			4	Milan (No. 2) (Italy)
546	549.5	120	Budapest (No. 1) (Hungary)	995	301.5	60	Hilversum (No. 2) (Holland)			0.3	Notodden (Norway)
556	539.6	100	Beromünster (Switzerland)				(Power 15 kW only until 7.40 p.m. B.S.T.)	1366	219.6	0.2	Turin (No. 2) (Italy)
		100	Athlone (Irish Free State)	1004	298.8	13.5	Bratislava (Czechoslovakia)	1375	218.2	2	L'Île de France (France)
565	531	10	Klaipeda (Lithuania)	1013	296.2	4	Chernigov (U.S.S.R.)			0.5	Basle (Switzerland)
		3	Palermo (Italy)			70	MIDLAND REGIONAL			0.5	Berne (Switzerland)
574	522.6	100	Stuttgart (Germany)	1022	293.5	2	Cracow (Poland)	1384	216.8	7	Warsaw (No. 2) (Poland)
583	514.6	20	Alpes-Grenoble (PTT) (France)			0.7	Oviedo (Spain)	1393	215.4	25	Radio-Lyons (France)
592	506.8	50	Madona (Latvia)	1031	291	100	Königsberg (No. 1) (Heilsberg) (Germany)	1402	214	2	Stara-Zagora (Bulgaria)
601	499.2	25	Rabat (Morocco)			5	Paredo (Portugal)	1420	211.3	10	Vaasa-Vasa (Finland)
610	491.8	10	Sundsvall (Sweden)	1040	288.5	10	Leningrad (No. 2) (U.S.S.R.)			0.5	Alexandria (No. 2) (Egypt)
620	483.9	20	Florence (Italy)	1050	285.7	50	Rennes-Bretagne (France)	1429	209.9	2.5	Kaiserslautern (Germany)
625	480	20	Christiansand (Norway)	1059	283.3	20	Y. OF ENGLAND REG'L.			0.5	Turku (Finland)
		15	Lisbon (Emissora Nacional) (Portugal)	1068	280.9	0.8	Radio-Cité (Paris) (France)	1438	208.6	1.25	Miskole (Hungary)
638	470.2	20	Trondelag (Norway)	1077	278.6	10	Tiraspol (U.S.S.R.)	1456	206	7	Eiffel Tower (Paris) (France)
648	463	100	Prague (No. 1) (Czechoslovakia)	1086	276.2	2	Bordeaux-Lafayette (France)			0.1	Antwerp (Belgium)
658	455.9	10	Lyons (PTT) (France)			0.7	Zagreb (Yugoslavia)	1465	204.8	0.1	Courtrai (Belgium)
668	449.1	20	Petrozavodsk (U.S.S.R.)	1095	274	5	Madrid (EAJ7) (Spain)			1.25	Pecs (Hungary)
677	443.1	70	NORTH REGIONAL			5	Salamanca (Spain)	1474	203.5	1	BOURNEMOUTH
686	437.3	2.5	Sottens (Switzerland)	1104	271.7	10	Vinnitsa (U.S.S.R.)			0.3	PLYMOUTH
695	431.7	120	Belgrade (Yugoslavia)			10	Kuldiga (Latvia)	1487	201.7	0.1	Binche (Belgium)
704	426.1	55	Stockholm (Sweden)	1113	269.5	15	Naples (Italy) (Testing)			0.1	Albacete (Spain)
713	420.8	50	Rome (No. 1) (Italy)			11.2	Moravská-Ostrava (Czechoslovakia)	1492	201.1	0.1	Chatelineau (Belgium)
		1	Bergen (Norway)			0.5	Alexandria (No. 1) (Egypt)			0.7	Nimes (France)
722	415.4	10	Kharkov (U.S.S.R.)	1122	267.4	1	NEWCASTLE			0.5	Santiago (Spain)
		1	Fredrikstad (Norway)					1500	200	0.1	Wallonia (Belgium)
										0.1	Liège Experimental, Radio-Compte (Belgium)
										0.25	Pietersaari (Jacobstadt) (Finland)
										0.2	Radio-Alcala (Spain)
										0.1	Seraing, Verviers, Wallonia (Belgium)
										0.2	Karlskrona (Sweden)
								1530	196	0.1	Liepāja (Latvia)
								1734	173	0.1	Liepāja (Latvia)

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