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World-Radio

THE BBC FOREIGN PROGRAMME JOURNAL ★ EVERY FRIDAY

2^D

WITH FULL INFORMATION FOR THE LISTENER AND VIEWER

**The Broadcasts in
Arabic: Coffee-
House Listening**

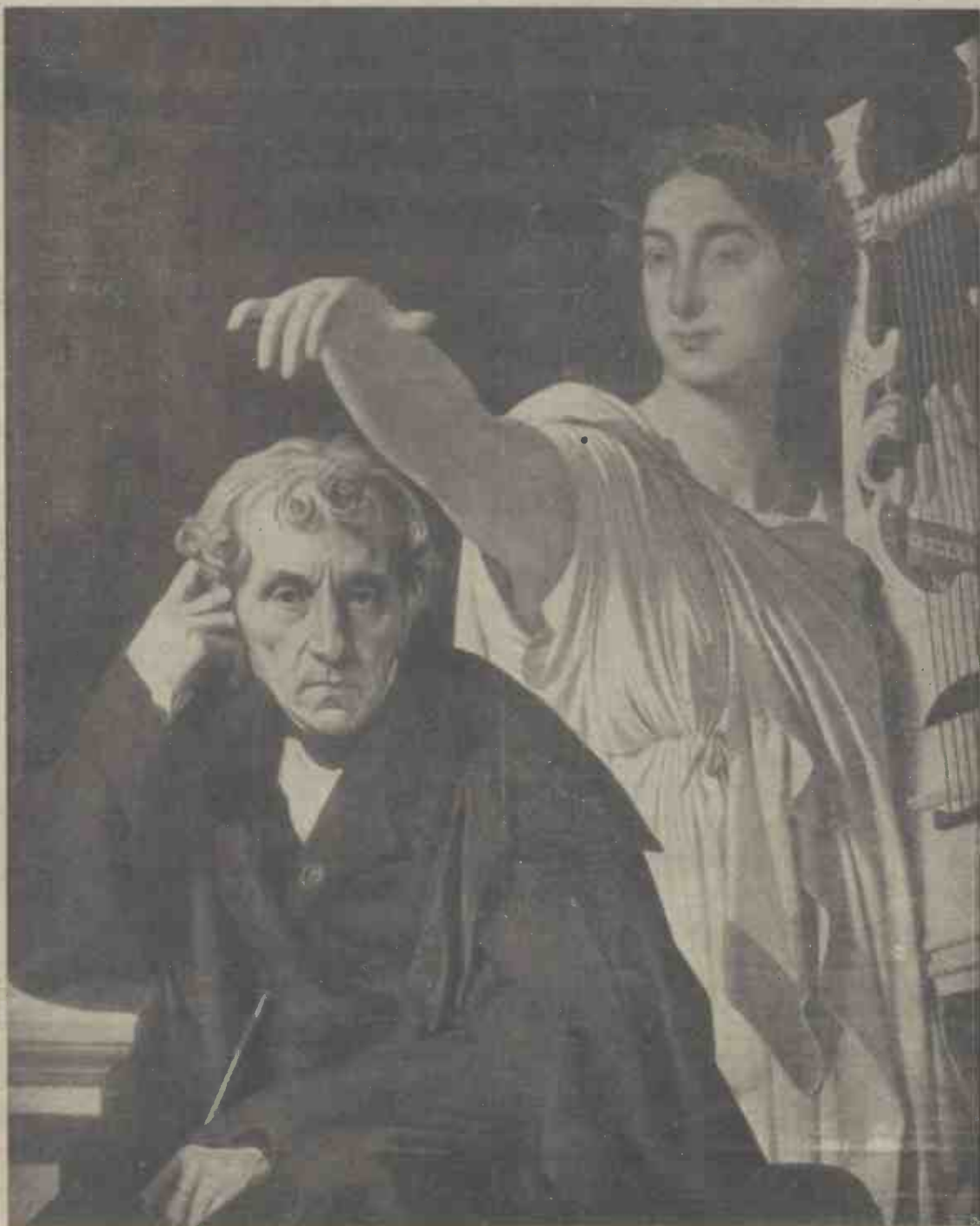
**Romances of
Great Musicians:
Cherubini and
Cécile**

**Official List of
Italian Opera
Broadcasts**

**Sun Calls the
Tune: Short-
Wave Vagaries**

**Short-Wave
Alphabetical List**

**All-World S.-W.
Review**



MARIA LUIGI CHERUBINI, from a painting by Ingres in the Louvre (see "Romances of Great Musicians," page 7).

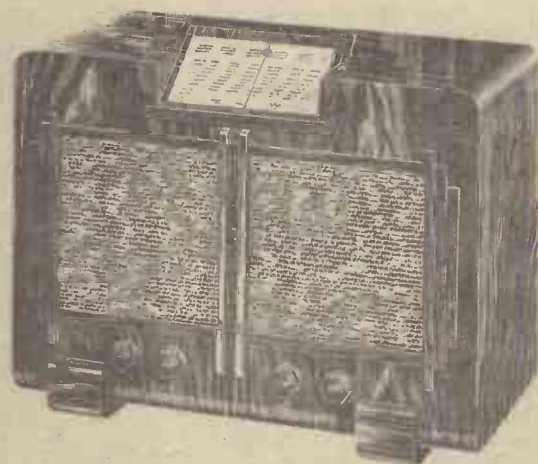
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Lifelike **RADIO**



EMIL VON SAUER, the distinguished veteran pianist, who will be heard from Bucharest on Wednesday (see note below)

A Wagner Anniversary

THE one hundred and twenty-fifth anniversary of Wagner's birth is being marked in Leipzig, his native city, by performances of all his major works, given in the order of their production. On Sunday at 6.10 p.m. *Lohengrin* is to be broadcast with a strong cast of opera singers, Hans Weisbach conducting. The sixth in the series of Wagner's operas, and the one which comes immediately before *The Nibelung's Ring*, it was written and composed during the years 1845 to 1848 while he was opera conductor at Dresden; the text and music are both his own.

The Finale was performed at the end of 1848 on the tercentenary of the Royal Chapel, but that was all Wagner heard of it for some years; by the middle of 1849 he was in exile as "a politically dangerous person." The opera itself, story and music, are so well known that listeners can have no difficulty in following it.

Emil von Sauer at Bucharest

ALTHOUGH he has reached an age which entitles him to the honourable distinction of "veteran," there is nothing in von Sauer's playing to suggest that he is in his seventy-sixth year. Listeners to the Bucharest programme on Wednesday at 7.15 p.m. may look forward to hearing the Schumann pianoforte concerto played by a master whose hands have lost nothing of their cunning. A pupil of Tchaikovsky's friend Nicolas Rubinstein, and afterwards of Liszt, he links our time with the giants of an older day.

Since 1901 professor at the Vienna Conservatorium, he can count many distinguished artists of to-day among his own pupils. In 1917 he was given noble rank, and in the following year he was made "Königlicher Hofrat," one of very few musicians and one of the last people on whom such a distinction was conferred. It has no precise English equivalent; had our Sovereign wished to honour one of his subjects in so signal a way, he would probably have chosen the Order of Merit.

THE PICK of the PROGRAMMES

Noah on the Stage

ANDRE OBEY'S play *Noë*, which Paris PTT is to broadcast on Sunday, at 2 p.m., presents the story of the Ark in a light-hearted spirit which runs no risk of treading on the toes of the most serious-minded, so deftly are the mirthful touches grafted on to the solemn subject.

The play was presented in London some years ago by the Compagnie des Quinze, and aroused such enthusiasm as only few productions in a foreign tongue can hope to do.

"Carmen" from La Scala

ONE of the opera broadcasts from the Italian stations (the complete series is on page 7) this week is Bizet's *Carmen*. The transmission will be from the Turin group of stations at 8 p.m. on Wednesday; and it will also be taken by Munich. The performance, which comes from La Scala, Milan, has especial significance because of the appearance of the new Swedish tenor Jussy Bjoerling as Don José. I am not sure whether it will be his *début* at La Scala, but it will certainly be his first broadcast from there.

Gianna Pederzini will sing the part of Carmen on that occasion, Licia Albanese that of Micaëla, and Ettore Nava that of Escamillo. Both the women artists will be remembered by



MARIAN ANDERSON, the brilliant contralto, will be the subject of Thursday's talk (with gramophone records) at 10 p.m. in the Poste Parisien "Famous Stars" series

their beautiful singing in the Vatican concert on Christmas Day. Altogether it promises to be a great night for the opera-lover.

The French "Raffles"

AT 8 p.m. on Wednesday Brussels No. 1 will inaugurate its season of modern play broadcasts with a transmission of Maurice Leblanc's detective play, *Arsène Lupin*. It is perhaps not quite correct to describe *Arsène Lupin* as a detective play, for Maurice Leblanc, his brilliant creator, has not set out, like Conan Doyle, to praise the achievements of a wonderful detective. It is the criminal—and an obviously chivalrous and generous criminal at that—whom he presents for our admiration and sympathy.

An excellent cast, headed by Mme Hélène Tossy and M. André Brulé, will take part in the broadcast.

Continental Exchange!

EXCHANGE broadcasts between different countries are now fairly frequent, and this week France and Belgium join hands (or should it be transmitters?). At 8.30 p.m. on Saturday, January 22, the series will be inaugurated with a relay by Brussels No. 1 of the Paris PTT programme. The first part of a varied and attractive programme by the French station includes French music (Debussy, Fauré, and Pierné) played by the orchestra, under M. Eugène Bigot. Part II will consist of two one-act plays by Maurice Donnay and Tristan Bernard respectively; and Part III is entitled "La France en Chansons."

The series is to be a monthly one, and the next transmission from Brussels 1 will be on February 13.

A Young Czech Pianist

WHEN Prokofiev visits Prague on Wednesday, for a concert of his own music, he is not to be the pianist himself—the rôle in which he is best known to listeners. He is to conduct the orchestra, entrusting the solo part in his very difficult third pianoforte concerto to the young Czech artist François Maxian.

Two years ago Maxian astonished Prokofiev by his masterly playing in the Schubert Waltz transcriptions. He was taking the place of another pianist who had fallen ill, and at only a few hours' notice gave a finished performance of music which Prokofiev regards as among the most difficult he has written. The broadcast is at 7.50 p.m.

ALL-WAVE

THE WORLD

An Experiment in Palestine



By courtesy of Associated British Picture Corporation, Ltd.

LILIAN HARVEY, the famous English-born film star, who has been so successful in German films, was recently interviewed before the Budapest microphone. She told listeners of her interest in the farm on a large property which she has bought in Hungary.

She breeds pheasants and Angora rabbits there. Her favourite animal is "Patyolat," her Lippezauber-horse. She mentioned, too, her liking for fishes, but feared it was not reciprocal, as she had just been bitten by one.

Miss Harvey appears in her latest film as the dancer Fanny Elssler, one of whose shoes is carefully preserved at Budapest. Lillian tried the shoe on, and, she whispered into the microphone, "it fitted—just as in the fairy tale."

ARABS JOIN ENGLISH LEAGUE

WHILE London is sending news in Arabic "over the air" to Palestine, Palestine itself is using the ether to help Arabs to speak better English. A Government official in Jerusalem has founded the Brighter English League, and, with amusing talks from the Palestine broadcasting station on Wednesday evenings, he is gathering round him a body of citizens determined to rescue the Anglo-Saxon language from the peculiar, if picturesque, forms which it assumes in the Holy Land. Within a few days the League has enrolled over two hundred members—a large number considering that seventy nationalities make up the inhabitants of the Holy Land.

Applications for membership have come from as far away as Baghdad and Aleppo. Booklets and charts of lessons are printed, and these are sent—post free, too—to the listeners who ask for them. Schoolboys are asking to be considered as adults in order to qualify for membership; and business men, artisans, and housewives are keenly studying the course.

JULES VERNE UP-TO-DATE

TRAVELLING sightseers will be able to spend a week at each of America's two World's Fairs in 1939, and complete a world-circling air journey all within a month, according to Colonel Eddie V. Rickenbacker, General Manager of the Eastern Air Lines.

In a recent broadcast from the General Electric short-wave stations W2XAF and W2XAD, he predicted that 'planes capable of carrying one hundred passengers, and able to fly five thousand miles non-stop, would be in use for regular trans-Continental and inter-Continental flights.

"In 1939, the year of our two World's Fairs, thousands will include San Francisco and New York in a super-sightseeing flight around the world," he said. "Visitors from abroad will be able to spend a week at the San Francisco Fair and the West, a week at the New York Fair and the East, and still complete their world-circling air journey in a month. Pan-American trans-Pacific operations will then be in the fourth year of regular service, and the trans-Atlantic 'planes in their second year," he added.

CANADA'S "HIGHLIGHT"

THE Dominion's most elaborate programme, "Canada, 1937" (which has now become "Canada, 1938"), has met with such success that its expansion has necessitated the acquisition of larger production headquarters. In Montreal the programme is carried by CFCF (and its short-wave relay station CFCX, 49.96 m.); and CBM and 37 other stations broadcast it from the Atlantic to the Pacific. The programme is "on the air" every Friday evening at 10 o'clock Eastern Standard Time (3.0 a.m. G.M.T.), and the producers aim at reaching every town, village, and hamlet in the Dominion.

Letters from the Arctic show that it is heard

clearly there. During each broadcast Canada is linked up with some European station through which an authoritative personage deals with up-to-the-minute subjects of international importance.

PITCAIRN ISLAND STATION

THROUGH the generosity of a number of United States radio manufacturers a new and up-to-date radio station will be installed shortly at Pitcairn Island, whose inhabitants are descendants of the mutineers of the *Bounty*. At present the islanders possess an antique set operated by an old 12-volt storage battery, which has to be sent thousands of miles to New Zealand to be recharged when it runs out. Apart from that they have a 1910 Marconi crystal set. The station with the call-letters PITC uses its equipment to contact ships. Andrew Young, a native, is the self-taught operator.

The new outfit will enable the islanders to communicate by short waves with the outside world. Two 300 ampere hour batteries will supply the power and will be recharged by a 12-volt windcharger. A receiver, covering all bands between 9.5 and 3,750 metres, will complete the equipment.



AMOS 'n' ANDY, perennial favourites of listeners on both sides of the Atlantic, have signed a new three-year contract. This celebrated black-faced pair, who, in real life, are Freeman F. Gosden and Charles J. Correll, have been broadcasting five nights a week since 1929. The programme is broadcast from the Schenectady short-wave station at 12 midnight, G.M.T., Mondays to Fridays

CUT THE CRACKLE OUT of RADIO

Notes on Interference Suppression.—No. 12

Many noises on wireless are caused by such seemingly harmless conditions as a receiver "farther up the road" with a loose connection; e.g. a faulty plug or socket. The interference is conducted along the mains for long distances, and may be re-radiated from the mains on to the aerial systems of sets comparatively remote from the original faulty connection. A mains filter, Type 300, will keep out the conducted interference, but an anti-interference aerial such as an "Eliminoise" (Trade Mark) will be required before you win the fight against re-radiation.

The "Eliminoise" is efficient on all broadcast bands from 10 to 2,000 metres. It is as easy to erect as an ordinary L type aerial and is similar in appearance. The transformers (No. 308) only cost 37/6; screened cable (No. 1212), 1/- per yard extra.

A complete Kit (No. 308K) already wired, with 60ft. aerial and 50ft. cable, costs 55/-. For hypercritical listeners there is the complete Kit, No. 359, already wired and including mains filter, £4/8/6.

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W.R. 14/1/38

OF RADIO

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HOLLAND'S REJOICINGS

WHEN Princess Juliana's baby is born all Holland, and also the Dutch colonies in the East and West Indies, will keep a National Feast Day. Schools and offices, and, as far as possible, shops and other business places will all be closed. The distribution time "on the air" from the Dutch stations that day will be divided among the various broadcasting societies so that each may have its share in helping the people to celebrate.

There will be special concerts and speeches, which will be broadcast on long, medium, and short waves. It is probable that a few weeks later H.R.H. will broadcast to the nation. Both the Princess and her mother, Queen Wilhelmina, make considerable use of wireless to speak to the people of the Dutch Empire.

AUSTRIAN LISTENERS "SIGN-OFF"

THE raising of the wireless subscription in Austria to two schillings twenty groschen a month (about £1 annually) has been rather a shock, and it is not altogether surprising that 37,000 listeners, as against 9,000 at the end of 1936, have given notice to terminate their subscriptions to Ravag, writes our Vienna correspondent. Ravag, however, anticipates that a great many will find that they cannot do without their sets, and rejoice.

The bestowal of the O.B.E. upon Professor Thomas MacCallum for his services in fostering cultural relations between Great Britain and Austria, has given great satisfaction to his many Austrian admirers as well as the British colony in Vienna. Professor MacCallum, who is an English lecturer in Vienna, is a frequent broadcaster.



MISS ROSE BAMPTON, the opera singer, who will appear in the Bing Crosby programme, broadcast from the Schenectady short-wave station at 3 a.m. on Friday. Miss Bampton has appeared previously in the Crosby programme, which is a regular weekly NBC feature

Farr Fight

**Broadcast, 3 a.m.,
January 22**

Farr's fight with Braddock, at Madison Square Garden, New York City, starting at 3 a.m. (G.M.T.) on Saturday, January 22, will be described for the BBC by Bob Bowman, by courtesy of the Canadian Broadcasting Corporation, and the National Broadcasting Company of America.

Only Droitwich will radiate the commentary, which will begin at 2.45 a.m., but a record will be made for re-broadcasting from the same station at 6.45 p.m.

ENCOURAGING LISTENERS

SPECIAL drives made by France, Germany, and Czechoslovakia to increase the number of licence-holders in those countries have been mentioned in these columns. Holland, where neither licence fees nor sponsored programmes exist, as revealed in the Annual Report of AVRO for 1936, resorted to several interesting methods of attracting the voluntary subscriptions upon which the system subsists.

In connexion with the second half-yearly donation in 1936 every listener (158,089) who paid before July 15 received a sugar scoop.

Propaganda also took the form of tours by orchestras, singers, and a children's choir, and the production of films. Subscribers were also given the opportunity of attending a concert in the great hall at Hilversum; and to extend the facility to those living in Amsterdam a special train, with car service between station and studio, was run on certain evenings. On St. Nicholas Day presents were sent to children who posted a message to the station, c/o AVRO, for his feast day—December 6.

INDIA'S RADIO AWAKENING

INDIA'S rapidly increasing interest in broadcasting is indicated by the latest licence figures furnished by the Posts and Telegraphs Department. In September last the total was 47,771, 500 more than in the previous month, and over 13,000 more than at September, 1936.

Imports of wireless equipment are correspondingly significant. The annual report, recently issued, for the official year ending March 31 last shows imports valued at Rs. 35 lakhs (£262,500), as against Rs. 28 lakhs during the preceding year, and Rs. 16 lakhs for 1934-5. The increase would appear to have been largely shared by the United Kingdom and the United States of America.



GRETE OTTO, Denmark's woman announcer. In the early-morning broadcast of hymns from Kalundborg Miss Otto leads the singing.

ENTHUSIASTIC ESKIMOS

EDWARD MACHUGH, the Gospel Singer, who broadcasts daily, at 4.45 p.m. G.M.T., in the American networks, has a group of devoted followers way up in Labrador.

A teacher in the Mission School there reports that several Eskimos ride through more than 40 miles of ice and snow in an open dog-sled to hear his broadcasts.

THE IMPORTANCE OF KNOWING HOW TO LEARN LANGUAGES

THE only satisfactory method of learning a foreign language is the direct method. In other words, you must learn French in French, German in German, Spanish in Spanish, and Italian in Italian. That is the Pelman method, and it is the only way.

It naturally follows from this that the old-fashioned method of memorising long lists of foreign words is entirely abolished when you learn a language by the "direct" way. You get to know each word by using it, and by using it in different ways and relationships. No long months trying to memorise lengthy vocabularies and dreary rules! You are guided naturally and instinctively, as a child is taught to quickly grasp words and their meanings, their fitness, their use—and their pronunciation.

Another consequence is that it practically eliminates the difficulties and drudgeries of learning complicated grammatical rules and exceptions. It teaches you not only to read a foreign language, but to write speak and understand it thoroughly and efficiently.

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W.R. 92.....

The Broadcasts in Arabic

The writer, who has spent many years in the East as a member of the Sudan Civil Service, describes the conditions and customs of the Arabic-speaking peoples who will hear the programmes.

THE BBC Arabic broadcast was successfully launched last week after a period of careful preparation in which a number of problems had to be reviewed. Not the least interesting was the consideration that Daventry, for the first time in its history, is addressing a public differing from the people of Britain and the Empire not only in language, but in their culture, their traditions, and their social background; and for some time to come their reactions will remain an unknown factor.

This Arab world, which now listens to the voice of Daventry, is not a homogeneous one: united by the bond of a common language and by a growing sense of nationality, it includes a great variety of social forms and different stages of civilisation. Geographically, it extends from the Persian Gulf to Morocco, and from the Mediterranean to Central Africa; and even in India and Persia the Arabic language is esteemed and studied by Moslems as the language of religion and higher learning.

Within this vast area we find nomad tribes leading the patriarchal life and little affected in their innate conservatism by the fact that the externals of Western life, in the shape of motor-cars, aeroplanes, and radio-sets, have penetrated into the remotest deserts. With them we may contrast the sophisticated townsmen of Egypt, Syria, and Iraq, the very names of whose cities—Cairo, Damascus, Baghdad—tell us that they are the heirs to an ancient civilisation with a long tradition of intellectual life. That ancient civilisation of Islam had, it is true, fallen into a state of torpor, until the intensified contact with Europe, which started with the beginning of the 19th century, infused new life into it. It was the Khedive Ismail's ambition to make Egypt "a part of Europe," and who can say that this ambition has not been fulfilled? And what applies to Egypt is also true, in varying degrees, of Syria, Palestine, and Iraq.

Coffee-House Listening

In the cities of the Arab world political events in Europe and the Far East are eagerly followed and discussed: the number of newspapers in proportion to the literate population is very great, and a copy of a paper commonly wanders from reader to reader, and is often read aloud to a circle of listeners. With this fact in our minds we immediately think of the vast possibilities of radio. The people of the Near and Middle East pass much of their lives out of doors, and the centre of their social life is the coffee-house, which fulfils all the functions of a club. It is not so very long ago that the most popular entertainments in the coffee-houses were the performances of story-tellers, who recited an appreciative crowd the tales of the Arabian Nights or the adventures of the heroes of Arab romances. There were also musicians, both singers and performers on the traditional instruments of the east: the *nai*, a kind of flute; the *kamanga*, or two-stringed violin; the *qanun*, a kind of zither; and the *oud*, which resembles a lute or mandoline. In the coffee-houses of the Europeanised cities we should now look in vain

for the story-teller, but the gramophone, blaring out records of Eastern and Western music, is universal, and radio sets are becoming increasingly popular. It may be regarded as certain that the provision of attractive programmes of entertainment combined with straight news will lead to a vast increase in the popularity of radio in all Arab countries.

The Oriental Urge to Learn

As regards news, the Jerusalem correspondent of a Sunday paper quotes the comment of a leading Arab educationist: "The average Palestinian invariably believes exaggerated versions of events rather than the truthful ones;" but it would be a serious error to underrate the intelligence of the Arab people and to imagine that they are incapable of discerning the difference between truth and falsehood. Sensational stories and tendentious distortion tickle the palate and afford superficial amusement, but there is no doubt that straight news, which experience shows to be invariably accurate, will be appreciated as a regular diet.



A typical desert encampment: Bedouin Arabs enjoying a meal.

The Oriental expects the truth from an Englishman, and he will be disappointed if he does not get it.

A word may be said about the educational possibilities of Arabic broadcasts: the Oriental is eager to learn, vastly more so than the masses in Europe, and he is ill-provided with reading-matter in his own language. I shall never forget how years ago (it was before the War) I sat under a tree in a Palestinian village reading my Baedeker. A group of village boys collected round me at a respectful distance, and after they had stared at me awhile in silence, one said: "*allimna, ya mu'allim*" (Teach us something, O Master). There need be no hesitation in providing educational talks of a kind which English audiences would vote to be dull or high-brow; for knowledge which is commonplace in an English village may still be vastly exciting in the villages of Palestine and Iraq.

For many years to come a large number of Moslem women will retain their ancient customs, and have their sphere in the seclusion of their homes rather than in the places of business or the resorts of pleasure reserved to the men-folk. It needs no great effort of the imagination to realise what broadcasting might mean in Eastern homes.

S. H.

ROMANCES OF GREAT MUSICIANS

Cherubini's Cécile

By Dr. ERWIN KROLL

THE name of Cherubini, the composer born in Florence, who made his home in Paris, and whose style is so close to that of German music, probably does not convey very much to the listener of to-day. And yet Cherubini was Beethoven's greatest contemporary. He wrote the musical accompaniment to revolution and restoration; he incurred the displeasure of Napoleon; and finally ceased writing opera music in order to enhance the fame of the Paris Conservatoire as its admired and feared director.

All he wrote after that was an overture or two, a few pieces of sacred music, and the opera *The Water Carrier*. Nevertheless, no history of music would be complete without the name of Cherubini. Beethoven considered him the most outstanding composer, next to himself, of his time; and it can also be said that without *The Water Carrier* there would have been no *Fidelio*. The commanding manner and the sense of the heroic were traits which Cherubini certainly had in common with the German master, and if comparisons with other German masters were made, it could be said that he was as rude as Zelter, and as uncommunicative as Brahms.

Throughout his life he was pursued by the demon melancholy, and there were years when he could not bear to hear anything about music; when he would paint, design playing-cards, or study plant life. But again and again the darkness of his soul was illuminated by the happiness which he found in his married life. By her constant care and love his wife, as it were, gave Cherubini, who so often suffered physically and spiritually, to the world a second time. "In the morning the guillotine was busy, and in the evening the theatre was filled to capacity." In these words Madame Cherubini describes life in Paris during the first period of their married life.

The Secret Wedding

Anne Cécile Tourette was the daughter of a musician at the Court of Louis XVI, and her royal sentiments were apparently shared by her fiancé. Born only four years after Mozart, Cherubini, who was born in Florence, had conquered Italy with his operas. He then travelled, *via* London, to Paris, where he settled permanently. His wedding took place on April 12, 1794. And what a wedding! This is how his biographer, Schemann, describes it: "The official ceremony took place at noon before a registrar who but a few weeks later became the victim of the guillotine. The religious ceremony took place secretly at 6 p.m. A priest who had refused to give the oath, and who was hiding in the house of friends, performed the ceremony in



Maria Luigi Cherubini (1760-1842)

the cellar by the light of candles. In the evening while Cherubini's *Lodoiska* was being presented at the Opera (as it were in honour of the newly-married couple), a few intimate friends met at an inn for a simple meal.

For nearly fifty years Cherubini was blessed by a cloudless married life. He saw three talented children grow up; he enjoyed after the ups and downs of the day's work the soothing repose of a happy home life, in which love and kindness were ever paramount. Some parts of his opera *Elisa* describe the blissful happiness of his early married life. Madame

Cherubini was not one of those women who desire to shine in the eyes of the outside world. Her simple kindness and piety developed unobtrusively. To her husband, however, she was at all times not only the loyal wife, but also the spiritual adviser.

On the occasion of their visit, in 1806, to Vienna, where Cherubini had a triumphant success with the opera *Faniska*, they met Beethoven, and, while Cherubini would appear on occasions to have been put off by the former's abrupt manner, Madame Cherubini seems to have had a complete understanding of the composer's art. In her opinion "Beethoven put too great demands on the mind and heart of women and so found little satisfaction—that is why he often expressed himself in sarcasm and irony." Inwardly the two masters were linked by a close spiritual kinship, even though there were in Vienna some occasional differences between them. To write the music to *Figaro*, for instance, is a task which neither would have been able to accomplish, but it does seem that, so far as moral strength is concerned, Cherubini marches at the head of all great musicians. Apart from his Cécile, no woman ever played a part in his life, showing that a happy married life and full artistic expression are not incompatible.

Cherubini was a model husband and father, and he was surrounded by the love and affection of his family up to the last moment of his life. When the eighty-two-year-old master closed his eyes in 1842, there stood by his bedside his wife and children, and grandchildren. Cherubini's manuscripts are to-day preserved in the Berlin State Library. The Italian who lived in, and for, France thus for ever remains linked with the country to whose music he was always attracted.

The subject of the next article in this series, to appear on January 28, will be
HASSE and FAUSTINA

Italian Opera Broadcasts

OFFICIAL LIST

WE append an official list of operas to be broadcast, on the dates shown, from one or other of the Italian groups of stations between now and the end of March. The operas will be performed at the following theatres: La Scala, Milan; Royal Opera House, Rome; San Carlo, Naples; Carlo Felice, Genoa; and Giuseppe Verdi, Trieste:—

Jan. 18	<i>Gloria</i>	(Cilea)
" 19	<i>Carmen</i>	(Bizet)
" 20	<i>Il piccolo Marat</i>	(Mascagni)
" 22	<i>Il piccolo Marat</i>	(Mascagni)
" 23	<i>Gloria</i>	(Cilea)
" 25	<i>Cyrano de Bergerac</i>	(Alfano)
" 26	<i>Il Campiello</i>	(Wolf-Ferrari)
" 27	<i>La Traviata</i>	(Verdi)
" 29	<i>L'Uomo che ride</i>	(Pedrollo)
" 30	<i>Fedora</i>	(Giordano)
" 31	<i>Das Rheingold</i>	(Wagner)
Feb. 1	<i>Othello</i>	(Verdi)
" 2	<i>The Valkyrie</i>	(Wagner)
" 3	<i>Siegfried</i>	(Wagner)
" 5	<i>The Twilight of the Gods</i>	(Wagner)
" 6	<i>Tosca</i>	(Puccini)
" 8	<i>Caracciolo</i>	(Vittadini)
" 9	<i>Manon</i>	(Massenet)
" 10	<i>The Barber of Seville</i>	(Rossini)
" 12	<i>Figaro</i>	(Mozart)
" 13	<i>Sadko</i>	(Rimsky-Korsakov)
" 15	<i>The Dibuk</i>	(Rocca)
" 16	<i>Martha</i>	(Flotow)
" 17	<i>L'Amico Fritz</i>	(Mascagni)
" 19	<i>André Chenier</i>	(Giordano)
" 20	<i>The Girl of the Golden West</i> ..	(Puccini)
" 22	<i>Donata</i>	(Scuderi)
" 23	<i>The Pearl Fishers</i>	(Bizet)
" 24	<i>Caracciolo</i>	(Vittadini)
" 26	<i>Luisa Miller</i>	(Verdi)
" 27	<i>Boris Godunov</i>	(Mussorgsky)
" 28	<i>The Strangers</i>	(Pizzetti)
" 28	<i>The Birds</i>	(Respighi)
" 28	<i>Feuersnot</i>	(Richard Strauss)
Mar. 1	<i>Mese Mariano</i>	(Giordano)
" 1	<i>La Caverna di Salamanca</i>	(Lattuada)
" 3	<i>Macbeth</i>	(Verdi)
" 5	<i>La Bisbetica Domata</i>	(Persico)
" 6	<i>The Mastersingers</i>	(Wagner)
" 8	<i>Lucia di Lammermoor</i>	(Donizetti)
" 9	<i>Le Jongleur de Notre-Dame</i> ..	(Massenet)
" 10	<i>La Wally</i>	(Catalani)
" 12	<i>Tristan and Isolde</i>	(Wagner)
" 13	<i>La Gioconda</i>	(Ponchielli)
" 15	<i>Cavalleria Rusticana</i>	(Mascagni)
" 15	<i>The Impresario</i>	(Mozart)
" 16	<i>Werther</i>	(Massenet)
" 17	<i>La Favorita</i>	(Donizetti)
" 19	<i>André Chenier</i>	(Giordano)
" 20	<i>Madame Butterfly</i>	(Puccini)
" 22	<i>La Favorita</i>	(Donizetti)
" 23	<i>Proserpina</i>	(Bianchi)
" 24	<i>The Barber of Seville</i>	(Rossini)
" 26	<i>I Quattro Rusteghi</i>	(Wolf-Ferrari)
" 29	<i>Das Rheingold</i>	(Wagner)
" 31	<i>L'Arlesiana</i>	(Cilea)

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READERS' FORUM

The Finest Violinist?

SIR,—Like your correspondent Mr. K. A. Crisp, I also was very interested in the performance of Paganini's Concerto in D major, by Aldo Ferraresi, from Cologne on December 12. It would be interesting to hear the same movement played by that amazing Romanian violinist, Grigoras Dinicu, who is quite the finest player I have ever heard.

N. T. J. BURROWS.

Hants, January 3.

PAGANINI—FERRARESI

In reply to Mr. K. A. Crisp (Dec. 31 issue), who says that no other violinist plays Paganini at such a phenomenal speed as Ferraresi, the reason for this is that Menuhin, etc., play it as music, and not as a gymnastic feat. (The D major Concerto is marked *Allegro Maestoso*).

But, ignoring that, may I ask if he has heard Fakiri or D'Aranyi play any of the Caprices? Their speed is amazing.

A. T. HICKMAN.

Chelmsford, Essex, January 8.

ATMOSPHERIC INTERFERENCE

I note with interest "Log Roller's" remarks in connexion with atmospheric interference on ultra-short waves. I regret that I cannot offer any experience of this kind on the frequency of 28-31 Mc/s mentioned.

On December 23, however, I noticed interference of the kind detailed, which appeared to affect almost every station between 5-16 Mc/s. This interference was so severe that I took rather careful notes of its effects at the time. The interference took the form of a high-speed bubble, which, in certain instances, was a rapid thump. So severe was the effect that speech and music were hopelessly distorted, and at one time the set itself was suspected. The interference developed about 6.45 p.m.

The only station which was free at 7 p.m. was Jelöy, on 6.12 Mc/s, which was producing a normal signal. Later, however, this station exhibited signs of similar disturbance, which gradually increased. A final search showed that the only station entirely free from interference was Barcelona, on 7.5 Mc/s. This station, as far as I was able to ascertain, remained free from atmospheric interference all the evening.

The above facts struck me as significant when the weather forecast for the same evening was recalled. This was to the effect that a deep disturbance was centred over the Atlantic and was moving in a north-easterly direction. My tests showed that trans-Atlantic transmissions were wiped out, and reception from Western and Central Europe, and also Mediterranean transmitters, exhibited interference of the type detailed. Reception from Scandinavia was good at first, but deteriorated later, whilst the Barcelona transmission remained completely normal throughout the evening.

While I would not claim that the above is a case of cause and effect, I should be interested to learn whether "Log-Roller" or any of your readers have been able to "tie up" the behaviour of short-wave reception with the weather observations.

Lancs, January 1.

J. BAILEY.

DISPARITIES OF RECEPTION

I have been interested in the correspondence regarding reception of Pori. At 8 p.m. on December 31, I was surprised to hear a distinct background to Marseilles, and by turning over to Lahti, I confirmed the fact that this was

coming from Finland. I cannot believe, however, that Pori is still using a mere 1 kW.

Another thing which surprises me is my inability to receive Vaasa, on 211.3 metres, although it uses 10 kW.

In response to "Log-Roller's" remarks regarding Karlskrona, may I say that I receive this station regularly and well, often at a volume equal to the local stations?

Like Mr. Stubbins, I find Bordeaux-Sud-Ouest extremely difficult to receive. Even after Poste Parisien has closed down, the private station is still very weak. I wonder if any reader can give a reason for this?

A. W. CURTIS.

Shortlands, Kent, January 3.

"GOOD-NIGHT MELODY"

Your correspondent Irwin Jenkinson asks if the "Good-Night Melody" is still broadcast, and seems anxious to hear again what he apparently believes to be a little-heard, somewhat elusive tune. May I be allowed to "settle the issue"?

I always thought this tune (a record, by Ted Lewis's American band) was a more or less standing joke with listeners to the Continent. It is just about the most oft-repeated and over-worked of all tunes from some French stations. Radio-Normandie (269 m.), in particular, will fulfil Mr. Jenkinson's desire at 1 a.m. this (or any other) morning with the record. It has been played regularly at this hour (except Saturday and Sunday mornings, and then 2 a.m.) for years. I have also heard it, at various times, from Luxembourg, Poste Parisien, the Hilversum stations, Radio-Toulouse, etc.; also, the Portuguese station Parede (291 m.) quite frequently closes its dance music or/and folk-song programme with it, at 1 a.m. I could go on, and include Madrid and other (short-wave) stations, but in any event, your reader will see that he need never lack the "Good-Night Melody." Yes, definitely it is still broadcast!

Cheltenham, January 7. BASIL T. SMITH.

WIRELESS AND STUDY

"Student" raises an interesting point in the issue of January 7. What part does music play in the functioning of the intellectual part of the brain?

I, too, am a student, and I find that my powers of concentration are greatly increased by a background of music, preferably light or dance music. If I am studying in a room without a wireless my thoughts seem to wander. I do not, however, pay any attention to what is being played. This seems to suggest that the music plays a passive part in study by keeping the brain awake, whereas in other circumstances it would probably "go to sleep."

GERALD L. BALDIT.

Streatham, London, S.W.16, January 8.

The letter appearing in your columns from "Student," of London, discussing radio as a background to study, interested me greatly. I, myself, have two radio sets in the room where I study; and I find I can listen to one of them (even on headphones) while engaged in some work which does not require much mental effort, such as copying out lecture notes. But when it comes to real "swotting"—trying to understand something which appears to be beyond understanding—no radio for me!

"Student" remarks that some people can work to the strains of syncopated "music." I

do not claim to know a great deal about music, but if I work to music, I find the music of Strauss or Lehár much easier to work to than the rhythm of "Bill this-or-that and his Rascals."

Even if one does not listen to radio while studying, a set in a student's room can be an advantage. When the student tires of study and wants a short break, he can lean back and switch on the radio and smoke a cigarette to the strains of—well, whatever music he prefers.

Cork, Eire, January 7. ANOTHER STUDENT.

EUROPEAN MEDIUM WAVES

I find Sofia, on 352 m., comes in well and completely drowns the Norwegian stations on that wavelength. Kaunas is scarcely audible, and at its best is of no programme value. Lahti, on 1,807 m., is good and deserves programme space in your paper. Riga on 238.5 m. can be held only for short periods, as it is subject to "heavy" fading. Belgrade, on 437.3 m., is poor, and does not provide any entertainment.

While on the subject of reception, I should like to hear reports on the reception of Lisbon and Parede. Lisbon, on 476 m., is stronger than either of the Norwegian stations, although the latter have the greater power.

I have never yet logged Parede, as Königsberg 1 dominates on that wavelength.

In reply to Mr. L. J. Stubbins in your issue of December 31 last, I have succeeded only once in receiving Bordeaux-Sud-Ouest on 309 m. This was after Northern Ireland had closed down, but the signal was very poor.

L. MILLS.

Lees, Oldham, January 7.

* * * *

May I ask why you do not give the programmes of Saarbrücken? This is the best received on my set of any European station.

Another station which gives good reception of excellent programmes is Belgrade—also not given. You give Bucharest and Reykjavik every week, but I have never heard them on a ten-valve set. I wonder who does?

Shenley, Herts, January 3. RORY'S GLEN.

* * * *

In your issue of January 7, you ask for reception reports of Belgrade, Sofia, Lahti, Kaunas, and Riga. Reception of these stations here is as follows:—

Belgrade gives a good, reliable signal.

Sofia gives a strong signal, but as often as not has a background of hum and programmes, principally from Valencia.

Lahti gives a strong signal, but is frequently heterodyned by, I think, Radio-Romania.

Kaunas gives too weak a signal ever to be of any programme value.

Riga had never suggested itself to me as an audible signal, as I tune in this wavelength to hear Bilbao.

This house is about 250 ft. above the town of Henley. I use 15 valves and a 70 ft. doublet aerial.

MICHAEL NORTON.

Henley-on-Thames, January 10.

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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LEAVES FROM MY LOG

By "Log-Roller"

"SNOW-SPHERICS"

YOU may remember that I mentioned, just before Christmas, the "atmospheric" effects produced by fine snow brushing against an outdoor aerial. A West Country reader tells me that he finds hail a far worse producer of interference with radio reception. I don't remember ever having listened during a hail-storm, for in my part of the world they are comparatively rare; but my correspondent has found that a hail-storm occurring many miles away can give rise to a great deal of noisiness. As it approaches the interference becomes more and more severe, and when hailstones are actually falling upon the aerial it may be sufficient to obliterate the strongest transmission. To revert for a moment to snow and its effects, there is no doubt that it can produce very high electrical charges at times. A good many years ago when using a "hook-up" set without a cabinet I saw, during a heavy fall of snow, sparks jumping across the gaps between the fixed and moving vanes of the aerial tuning condenser that we used in those days.

SPAIN'S MYSTERY STATION

There seems little doubt that the Spanish station heard on 426.1 metres in the intervals of the Stockholm programme or when the Swedish station is closed down is Valencia. It is certainly a Government station—at any rate, from the news that it transmits. In an absent-minded moment I suggested that it might be Seville relaying Valencia, forgetting that the two were on opposite sides in the conflict. Such a relay

is, of course, entirely out of the question. Still, the call-sign of Seville has been heard by me and by others on that wavelength, so it may be that Seville grabs it at times when Valencia is silent. Actually, Seville, a Nationalist station, shares (or should one say squabbles over?) the wavelength of 410.4 metres (731 kc/s) with the Government's Madrid EAJ2. I generally find Seville the stronger. It may be that the station is always on the lookout for a chance of using 426.1 metres so as to avoid jamming from Madrid.

EARLY SHORT-WAVERS

Whilst waiting for breakfast the other morning I switched on the set, turned to the short waves, and tried over the 49-metre band to see if anything was coming in from the far side of the Atlantic. At the very bottom of the band on 48.83 metres (6.14 megacycles) I picked up W8XX giving the not unusual kind of American programme of short, mixed items. The station was coming in extraordinarily well at 8.15 a.m. and was still going strong half an hour later when I switched off. I expect that several others have heard these breakfast-time transmissions from W8XX. If you haven't done so, now's your chance. A Croydon reader reports particularly good reception last month. The transmission, by the way, closes down at 9.15 a.m.

MEASURING ECHOES

It was suggested to me some time ago that the figures for the greatest time lag in round-

the-world echoes obtained at the BBC station at Tatsfield might make interesting reading. The Engineer-in-Charge very kindly supplied me with the information, and here it is. The greatest time lag observed occurred on a transmission of GSG, which uses a bi-directional aerial. The figure was 0.4 second. Let us work this out in round figures and see what it means. Wireless waves travel, roughly, 186,000 miles a second, or 74,400 miles in 0.4 second. The earth is an "oblate spheroid," whose diameter through the poles is slightly less than that through the equator. Nor is it certain that its circumference is perfectly circular at the equator. But if we take 24,800 miles as the average great-circle distance for a trip round the world and back to any starting-point we shall be near enough for those round figures with which we are dealing. Divide 24,800 into 74,400, and you will find that it goes exactly three times.

A LONG TRIP

We may take it, then, that this echo with a time lag of 0.4 second was caused by a transmission which went three times round the world. The path taken by the waves, owing to their journeys between the earth's surface and the reflecting layers of the upper atmosphere, would in reality be somewhat longer than 24,800 miles. But a very small error in the measurement of the time would cover this. Measurements of echoes are actually made on the Greenwich "pips." In the recorder a paper ribbon travels at a constant speed of 10 centimetres a second; one pen operated from a standard clock marks the seconds on it, whilst another marks the reception of the fundamental signal and its subsequent echoes. With such apparatus measurements accurate to within a few thousandths of a second can be made.

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TELEVISION NOTES AND PROGRAMMES

The Robot Play to be Televised

By "THE SEER"

TELEVISION puts people and things under the microscope, and already it is difficult to imagine a more effective medium for exposition. The demonstrator can present his subject in any number of different ways, ranging from a simple animated portrait to an illustrated disquisition employing models; film excerpts, to build "atmosphere" or to range beyond the studio walls; shifting camera positions, to enable his audience to see objects in close-up and from varying angles; still pictures, and even books. And the whole presentation has that priceless quality of "instantaneity" which puts the speaker in immediate and intimate touch with his viewers.

Few better subjects could be found for such a medium than "Craftsmen at Work," a series arranged by the distinguished author S. P. B. Mais, which will be inaugurated on January 26 with a demonstration of tattoo work. While George Burchett, a well-known Thames-side tattooist, is seen imprinting a design on the arm of a girl model, viewers will wonder which to admire more: the beauty of the design or the dexterity with which it is applied.

Mr. Mais is now searching England for other suitable crafts. Probably his next subject will be an eighty-year-old Bognor man who has been mending grandfather clocks for the last sixty years. Other queer trades to be televised will be withy-weaving by a worker from Athelney, in Somerset, and whisket (or basket) making as carried out on the Worcestershire-Shropshire border. Stone-working in the Cotswolds, carpentry in Buckinghamshire, knife-making in Sheffield, and many other crafts will be dealt with before the series is ended.



Photo: Gulliland

A small direct-vision camera used for outdoor work in Germany

The small stage and smaller screen impose limitations on television of the kind which sometimes produce high art. The restricted sonnet form has enshrined some of the finest gems of poetry; radio drama has entered imaginative realms which would have been unattainable in a less limited medium, and by the same token, television may make its tiny canvas the vehicle for masterpieces. It is in this mood that R.U.R., Karel Capek's great play on men and machines, will be approached when presented for television in the second week in February. Instead of attempting scenery on the big scale, Jan Bussell, the producer, will project the awesome atmosphere of Rossum's Universal Robot factory by means of model machinery and "effects;" and for the maelstrom battle which all but extinguishes the human race on earth he will resort to swift vignettes and close-ups. How effective this method can be has already been proved in television.

Masque and mime established themselves in television with the presentation of Keats's *The Eve of St. Agnes* three months ago. It is to be repeated on the evening of January 21, which is actually the Eve of St. Agnes.

BERLIN'S 2nd ANNIVERSARY

(From our Berlin Correspondent)

Two years ago—on January 15, 1936—when the new regular high-definition television programme service was opened in Berlin, Germany seemed to be far ahead of any other country in television development. But Germany has remained on the standard of 180 lines and twenty-five frames per second, and the Berlin television programme service is restricted to the use of a spotlight scanner for studio work, where artists have to perform in semi-darkness on a sloping stage. The slow-and-sure methods of the Post Office engineers do not permit of a speedy advance into the realm of a real television service for the public.

Very shortly, Germany, with the introduction of the 441-line standard and the opening of three ultra-short-wave stations, will again become one of the leading television countries. New studios with full lighting equipment and with iconoscope cameras for use in interiors will at last enable the programme builders to tackle properly the problems of television entertainment. It is hoped that work with 441 lines in these studios will start in April.

EIFFEL TOWER'S FOUR SYSTEMS

(From our Paris Correspondent)

THE television experiments being made by the Tour Eiffel at the present moment use four different systems of television, but the same televisor can receive all transmissions. Presumably, the system that is found to be the best will ultimately be adopted, but there would be nothing to prevent more than one system being in continual use as long as it does not entail further purchases by the viewer.

PROGRAMMES

Frequencies—Vision: 45 Mc/s; Sound: 41.5 Mc/s. All programme times shown below are approximate. From 11.0 a.m. to 12.0 noon each day, films intended for demonstration purposes will be shown.

MONDAY, January 17

3.0 p.m.—Les Allen.
3.5-4.0—"Doctor Knock," by Jules Romains.
9.0—Starlight: Nat Gonella and his Georgians.
9.10—British Movietonews.
9.20-10.0—Esmé Percy in "The Duchess of Malfi," by John Webster.

TUESDAY, January 18

3.0 p.m.—Rawicz and Landauer (Pftes.).
3.10—Cartoon Film: "Steeplechase."
3.15—Table Tennis Demonstration.
3.30—British Movietonews.
3.40-4.0—Scenes from "Oh! Letty," with Sydney Howard.
9.0—Starlight: Carroll Gibbons.
9.10—The Shape of Things: Anthony Bertram.
9.20—Gaumont-British News.
9.30-10.0—Comedy Cabaret.

WEDNESDAY, January 19

3.0 p.m.—New Ballroom Steps.
3.10—Jane Carr in songs at the piano.
3.20—Gaumont-British News.
3.30-4.0—"Picture Page."
9.0—See 3.0.
9.10—Les Allen.
9.20—British Movietonews.
9.30-10.0—"Picture Page."

THURSDAY, January 20

3.0 p.m.—Nancy Logan in songs at the piano.
3.10—Programme of ice-hockey.
3.25—British Movietonews.
3.35-4.0—Jack Hylton and his Band.
9.0—Music Makers: Pamela Norris.
9.5—See 3.10.
9.20—Winter vegetables: how to grow them; how to cook them.
9.30—Gaumont-British News.
9.40-10.0—American humour.

FRIDAY, January 21

3.0 p.m.—Jackie Billings and Diana Chase in dances.
3.10—"The Duchess of Malfi," by John Webster.
3.45—Gaumont-British News.
3.55-4.0—Highlights of next week.
9.0—A Pepler Masque of Keats's "The Eve of St. Agnes."
9.30—British Movietonews.
9.40—Artists and their Work.
9.55-10.0—Highlights of next week.

SATURDAY, January 22

3.0 p.m.—The John Carr Jacquard Puppets.
3.10—Starlight: Nat Gonella and his Georgians.
3.20—British Movietonews.
3.30-4.0—Comedy Cabaret.
9.0—Cabaret Cartoons.
9.30—Gaumont-British News.
9.40—Table Tennis Demonstration.
9.50-10.0—Rawicz and Landauer (Pftes.).

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W.R.

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.

Free Queries

Each query should be numbered and the questions on the coupon carefully answered. Letters must be addressed to the Editor, WORLD-RADIO, Broadcasting House, London, W.1.

The Alternative Postal System

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."

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.

LOG KEEPER (Penzance): (96) regret, cannot identify call-signs; (97) no short-wave relay of Paris is advertised, but reception of this programme has been reported by other listeners on or about the wavelength mentioned; possibly harmonic of French medium-wave station relaying Radio Paris programme; (98) would advise you to write to R.S.G.B., 53, Victoria Street, London, S.W.1; (1) regret, cannot identify without further details; (2) DGH, Nauen (28.74 m.); (3) GSC, Daventry; (4) call for amateurs working in Dutch East Indies would be PK; apparently Dutch experimental amateur transmitter (PA); (99) HVJ, Vatican City; (100) you give no details of what you heard, but probably harmonic of medium-wave station, SPARKE (Blyth): Would tally in time with CR7AA, Loureco Marques (Mozambique), on 48.88 m. **TOLIP (Doncaster):** PSH, Marapicu, Brazil, on 29.35 m. **SCHOOLBOY TWIDDLER (Walton-on-the-Naze):** (1) tallies with COCQ, Havana, so far reported on 30.8 m.; (2) regret, cannot trace. **DENBAR (N.7):** HJ4ABP, Manizales (Colombia), on 49.15 m. **KAY LIM (W.4):** Your estimate of frequency must be incorrect as there are no broadcasting stations in this section of the band; possibly harmonic of medium-wave station; details submitted are too scanty to permit identification. **C.A.H. (Inverness):** (a) see "Log Keeper" (98); (b, c, d) Liste des Fréquences, 7th edition, 1937; (e) List of Aeronautical and Aircraft Stations; both are published by the Bureau de l'Union Internationale des Télécommunications, Berne, Switzerland. **STILL WONDERING (Galashiels):** Christmas programme exchanged between Denmark and Sweden; you may have heard a background of Kalundborg and also the short-wave transmission from Stockholm; broadcasts from the Jerusalem station may occasionally be heard in the intervals of the North Regional programme. **LINDSAY (Haverfordwest):** Probably background of Radio Luxembourg. **UBE (Poole):** (1) COCQ, Havana, on 30.8 m. (1 kW); address: Calle 25, No. 445, Vedado, Havana, Cuba; **COCQ de la R.C.A. Victor** coupled with call; (2) COCM, Havana (30.51 m.); address: Apartado Postal 33, Vedado, Havana, Cuba; (3) COGF, Matanzas, 1 kW, on 25.45 m.; address: Radiomisoro COGF, Gral. Bétancourt, 51, Matanzas, Cuba. **ZAFATEADO (Annan):** (1) LS7, Buenos Aires (Argentine), on 228.9 m.; (2) CBF, Montreal, on 329.6 m.; (3) regret, cannot trace. **BYRNE (Kingston):** YV4RB, Valencia (Venez.), on 46.01 m. **ESPERANTO (E.18):** Believe HVJ, Vatican, testing on 25.55 m. **HILDABERT (Croydon):** VE9HX, Halifax (Nova Scotia), on 6.13 Mc/s. **LEOSCOG (Woodbridge):** Regret, cannot identify; these were all U.S.A. police transmitters. **HERMAN (Woodbridge):** Moscow (No. 2) on 1293 m. **HOMEBO (Sheffield):** Regret, cannot trace. **ROCKFORT (Glasgow):** (1) apparently WUD, Delhi, on 49.3 m.; (2) VQ7LO, Nairobi, Kenya. **DOJAK (Aston):** (1) probably fifth harmonic of Rome (No. 2) on 49.08 m.; (2) we cannot trace a German broadcast on or near the wavelength mentioned; possibly harmonic of German medium-wave stations; (3) probably extended transmission by VQ7LO, Nairobi (Kenya). **INTERESTED (Dorchester):** (1) this might be DZE, Zeesen (20.82 m.), used for point-to-point transmissions; (2) regret, cannot trace. **HOTCHA-MA-CHA-CHA (Evesham):** Cannot definitely confirm, but appears to tally with VUC, Calcutta, on 49.1 m. **RUMBA (Liverpool):** (1) HJ4ABP, Cartagena (Colombia), on 49.75 m.; (2) CRXC, Bowmanville (Ontario), Canada, on 49.26 m. **GRID BIAS (Shanklin):** (5, 6) the details are too vague to permit identification. **LOSTOCK (Stretford):** WQP, Rocky Point (N.Y.), 21.58 m. **DARKY (N.W.3):** (1) if you mean midnight, VP3MR, Georgetown (Br. Guiana), on 49.42 m.; (2) 150 watts. **MANN (N.13):** (1) COCQ, Havana (Cuba), on 30.8 m.; (2) Italian commercial telephony station. **ROD-NEXLIAN (Plumstead):** (9) apparently a relay through WEL, Rocky Point (N.Y.), on 35.52 m.; (10) last given as Claverdon, near Warwick, the call-sign may have since been re-allocated. **C. D. (Tralee):** (11) Madrid UGG, on 30 m.; (12) regret, cannot trace; (13) COGF, Matanzas (Cuba), on 25.45 m. **COLIN (Streatham):** HVJ, Vatican City. **LEARNER (S.E.18):** Possibly VLK2, Sydney (N.S.W.), a commercial telephony station on 15.54 m.; a test. **ETHER WAVE (Bournemouth):** JIB, Taiwan (Taihoku, Formosa), on 28.48 m.; HIL is the call-sign of a station at Trujillo City; if H19B, P.O. Box 95, Santiago de los Caballeros, Dominican Republic. **ALYS (Leigh):** (461) XEWI, Mexico City (25.21 m.); Estacion Radiodifusora XEWI, Apartado Postal 2874, Mexico City (D.F.); (462) CRXC, Bowmanville (Ontario), on 49.26 m.; Canadian Broadcasting Commission, Toronto, Ontario; (463) would tally with PMA, Bandoeng (Java), on 15.5 m.; address: NIROM, Koningsplein, 5 W, Batavia (Centrum),

Java, D.E.I.; the address of W2XE is: Columbia Broadcasting System, 485, Madison Avenue, New York City, U.S.A. **H. N. (Irthlingboro):** YV5RC, Caracas (Venez.), on 51.72 m. **RINELLA (Portsmouth):** (1) harmonic of European medium-wave station; regret, cannot identify; (2) vague; might tally with YV5RJ, Caracas (Venez.), on 48 m.; (3) regret, cannot trace; (4) CT1GL, Radio Parade (Portugal). **BORE (Bristol):** (1) regret, cannot trace; (2) no doubt 862 m. as other stations; (3) Liste des Fréquences, Bureau de l'Union Internationale des Télécommunications, Berne, Switzerland. **J. L. H. (W.4):** Too vague; regret, cannot trace; (2) KZRM, Manila (Phil. Is.), on 31.35 m. **PUZZLED (Burnham-on-Sea):** No date given; if weekday, VLR, Lyndhurst (Victoria). **BESTIAL CREATURE (Moseley):** LRX, Buenos Aires, on 9.66 Mc/s. **COMMERCIAL (Bournemouth):** Appears to be the second condenser dial reading of W2XAD. **CRICCIETH (Wales):** Please number your queries. (1) SBP, Stockholm, on 25.63 m.; (2) regret, cannot trace; there is no Swedish transmitter working on a channel in that section of the waveband; (3) Bari (No. 1), 283.3 m.; Bari (No. 2), 221.1 m.; (4) Nationalist stations: EDR4, Tenerife, 28.92 m.; FET1, Valladolid, 42.82 m.; Bilbao, 41.4 m.; EAJ8, San Sebastian, 41.65 m.; FET, Victoria, 42.69 m.; Gijon, 41.43 m.; Jaca, 21.38 m.; Alcazarquivir, 42.12 m.; Government stations: EAQ1, Madrid, 30.52 m.; EAQ2, Madrid, 31.65 m.; EAR, Madrid, 31.63 m.; EALTN, Madrid, 45 m.; CNT, Barcelona, 44 m.; CSU, Barcelona, 42.88 m.; PFI, Barcelona, 41.63 m.; (5) possibly DZE, Zeesen, a point-to-point relay transmitter on 12.13 Mc/s; (6) DFC, Nauen (Germany), on 12.98 Mc/s; works with Mexico, Venezuela, Dutch East Indies, etc. **NIGHT OP (Peckham):** VLR, Lyndhurst (Victoria). **QUEER (N.10):** W1XK, Millis (Mass.), relays WBZ, Springfield, NBC network, and WBZA, Boston. **R9 PLUS (Watford):** VP3THE, American Museum of Natural History Expedition under Dr. W. H. Holden, now somewhere near the Essequibo river in Br. Guiana; no address given, but, from your information, reports should apparently be sent to W4CYU, Robert Cakesher, 29 N.E., 90 Street, Miami (Fla.), U.S.A. **HEAVE (Gainsborough):** This would appear to be a "breakthrough," as no BBC station works on a channel near 730 metres. **SENIOR (E.11):** Not mentioned in published programmes; probably Naples. **HOT SHOT (West Wickham):** ZBW5, Hong Kong (16.9 m.). **LOG BOOK (Bradford):** A relay *via* WNA, Lawrenceville (N.J.), a commercial transmitter on 9.17 Mc/s. **ESTA EST (Richmond):** OAX4T, Lima, on 31.37 m.; the power advertised is 10 kW; address: Radio Nacional (S.A.), Emisora OAX4, Avenida Abancay 915, Lima (Peru); (2) might tally with HJ5ABD, Cali (Colombia), on 49.3 m.; address: Emisora HJ5ABD, La Voz del Valle, Cali, Colombia. **PAMELA (E.15):** Please number your queries. (1) if Russian, RIB, Moscow, a commercial transmitter on 15.8 Mc/s; (2) there is no NBC or CBS station working on 14.2 Mc/s; possibly a relay to Germany *via* WCU, Rocky Point (N.Y.), on 14.83 m. **HENRY (Titchfield):** (1) apparently second condenser dial readings; (2) your wavelength must be wrong, as amateur experimental transmitters do not work on 49 m.; (3) possibly a test by WQP, Rocky Point (N.Y.), on 21.58 m. **MORTLAKE (?):** So far as we know there is no Swedish station working on 832 kc/s; are you sure of your wavelength? **ITALIA (Trento):** See paragraph "Athens on the Air," December 24 (p. 5). **BYRNE (Dublin):** Apparently Radio-Gorki (U.S.S.R.) on 531 m. **FRESH (Edinburgh):** Regret, cannot trace. **MARK (Musselburgh):** OLR, Poděbrady-Prague, on 19.58 m. **HOPEFUL (Tredegar):** Not given in *Radio Amateur Call Book*, but situated in Cape district; advise you to write to South African Radio Relay League, P.O. Box 7028, Johannesburg, South Africa. **FANNY (Tring):** LSK3 Hurlingham (Buenos Aires), on 29.27 m. **EKMABAR (S.W.19):** (5) RW98 Moscow on 31.41 m. and (6) the same station which is also entitled to work on 49.5 m. **PIERREPOINT (Bolton):** Many thanks for your information. **SEACREST (West Looe):** (1) HJ7ABD, Bucaramanga, Colombia, on 9.621 Mc/s; (2) YV4RB, Valencia (Venezuela), on 6.52 Mc/s; (3) YV6RC, Ciudad Bolívar (Venezuela), on 6.42 Mc/s; (4) HJ1ABB, Barranquilla (Colombia) on 6.13 Mc/s. **COCW** is the call-sign of a station at Havana (Cuba) working on 47.39 m. Interval signal: 3 notes (chimes). Relays CMW, Havana. Address: P.O. Box 130, Havana. **AVITE (Farnborough):** VCSPS, Moscow (1,000 metres). **EL MUNDO (Stoke-on-Trent):** Possibly VQ7LO, Nairobi (Kenya) on 49.31 m. **HOME LESS (Bexleyheath):** (1) COCD, Havana (Cuba), 48.92 m.; (2) VP3BG, Georgetown, British Guiana, on 48.94 m.; (3) HP5H, Colon, Panama, on 49.42 m.; **SCHOOLBOY (Burton-on-Trent):** (71) one of the smaller private Belgian broadcasting stations, e.g. Courtra or Antwerp; (72) regret, cannot trace; (73) believe CMQ, Havana, Cuba; (74) WKAQ, San Juan (Porto Rico), on 1240 kc/s; (75) WAAB, Boston (Mass.); (76) WAPI, Birmingham (Alabama) on 1140 kc/s. **FOOTBALL FAN (N.12):** (8) WAAT, Jersey City (N.Y.), on 940 kc/s; (9) WJZ, New York, 760 kc/s (NBC Blue network); (10) regret, cannot trace; (11) Norddeich (Germany); (12) engineers' test; regret cannot identify; (13) probably W8XAL, Cincinnati (6.06 Mc/s). **A. N. TENNAE (Poole):** (1) LRX, Buenos Aires, on 31.06 m.; address: Radio el Mundo, Calle Maipú, 555, Buenos Aires, Argentine; (2) CXAB, Montevideo (Uruguay), on 31.12 m.; we cannot trace a relay on a higher channel.

AMATEUR TRANSMITTERS

The identity of amateur transmitters may be found in the "Radio Amateur Call Book." The Winter Edition (price 6s. post free) can be obtained from the BBC Publications Management Offices, 35, Marylebone High Street, London, W.1. The 1938 Edition of the "Radio Amateur Handbook," price 5s. 6d. post free, can also be had from the above address.

IDENTIFICATION COUPON (No. 466)

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.)

WAVELENGTH DEVIATIONS

The following list shows the deviations of stations as measured at the Tatsfield Checking Station during the past week:—

	kc/s	m.
Reuil-Malmaison ...	823	364.5
Istanbul (Turkey) ...	186.9	1604.8
Tartu (Estonia) ...	512	585.8
Wallonia (Belgium) ...	1498	200.3

Esperanto Transmissions

Sunday: Hilversum 2, 10.45 p.m. Romkatolika Prelego. **Monday:** Sottens, 5.20 p.m. Kurso de S-ro Bouvier. Rome, 9.10 p.m. Generalaj Informoj. Paris (PTT), 10.45 p.m. "La Paco" de Aristofano. **Tuesday:** Hilversum 2, 6.20 p.m. Leciono. Kaunas, 8.20 p.m. Nia Anguleto. Tallinn, 9 p.m. Ekvidjo en la Estonan Kulturon. **Wednesday:** Paris (PTT) and relays, 2 p.m. Elementa Kurso. **Saturday:** Lille (PTT), 1.45 p.m. Leciono kaj Informoj. Hilversum 1, 4.10 p.m. Informado. Rome, 6 p.m. Turismaj Allogaĵoj de Italujo.

New to the Log By "RADIO GUIDE"

BRAZIL has sprung a surprise by regularly radiating programmes over PSH, Rio de Janeiro, on 29.45 m. These transmissions take place daily from midnight until 02.00. Identification is a matter of the utmost simplicity since English announcements are made between the musical items, and publicity is given to Brazil's produce. Generally the call is given thus: "You are listening to short-wave station PSH, Rio de Janeiro, Brazil, transmitting a special test programme originating in the studios of PRF4, Radio Journal do Brasil, Rio de Janeiro," but sometimes it is modified to include frequency announcements or a request for reports and promise of verification.

Other news from this country is that PRA8, Pernambuco, is back on the air after a long absence. At present it is on approximately 49.89 m., where it is well heard when not overshadowed by DJC or interfering with CJCX or OLR. PRA8, once aptly termed "the distorted wanderer" by a fellow-scribe, comes on the air at 21.00 with the Brazilian National Anthem, announcing rapidly as "PRA8, Radio Club de Pernambuco, Brasil," and using four or five vibraphone notes at each quarter-hour. Incidentally, this is not really "new to the log," having been heard very consistently some time ago, but it is included in these notes for the benefit of those who have yet to make its acquaintance.

Curaçao, Dutch West Indies, may now be heard—when good conditions prevail—on approximately 50.5 m.; that is slightly below the powerful YV1RL in wavelength. Identification is quite simple, even if the call PJC1 is not actually heard, since it is the only Dutch-speaking station operating in the vicinity. It may be heard from 23.30, when it signs on with the appropriate National Anthem, at fair strength, employing both male and female announcers. I should also like to mention that CB615, formerly "Radio Service" of Santiago, Chile, no longer exists, having been taken over by "Emisoras Otto Becker," owners of CB1170.

[I regret that, by an oversight in my last notes, I gave the call-sign of the new Colombian station as HJ7ABB instead of HJ7ABD.]

SHORT-WAVE SECTION

All-World Short-Wave Review

A survey of reception during the month of DECEMBER as observed on a 3-valve battery-operated set at BRISTOL

RECEIVING conditions during December, though very variable, have at times been excellent. A notable relay from the Holden Expedition transmitter (VP3THE), heard from W2XAF (R5-6) at 04.00 on December 1, began the month's listening. At 14.55, PMN was a fine (R8) signal, with military recordings and Javanese music. Conditions were good on December 2. A search in the vicinity of 31 m. at 12.30 revealed W1XK (R3), VLR (R4), and Dairen, JDY, Manchukuo (R3-4), all giving news in English. At 13.05 Djibouti, French Somaliland, was heard testing on 17.36 m. (R7-8) and announcing its schedule (in French) as 12.45 to 13.30 G.M.T. on the first Thursday in each month. A return to the lower frequencies at 14.20 produced Oriental music from XGOX, Nanking (30.6 m.) and at 14.45, HS8PJ, 31.55 m. (R5) with Siamese music, ZBW3 (R4) with Chinese music, and PMN (R6-7) with Javanese music at 15.00. On 49 m. at 17.40, VQ7LO was heard (R4) with soprano songs, and the new South African station on 49.2 m.—believed to be situated at Capetown—was also giving a song recital (R4-5), though severely heterodyned by YUA on a slightly higher frequency.

NEW HONDURAS STATION

During the evening of December 3, conditions were rather poor, and at 21.30 W2XAF (R4-5), W1XK (R3-4) and W2XE (25.36 m.) (R3), were heard at the strengths indicated. On December 4 at 09.10, VLR's "Mailbag" was heard (R3-4), while VK3ME was available at a similar strength. At 21.00 a special transmission from LSY was of poor strength (R2), but at 21.00 EAJ43 (R6-7) provided an interesting talk in English, and at 00.35 I discovered a new station, ZIK2, Belize, British Honduras (R5), on 28.3 m. This station announced broadcasts on Sundays, Wednesdays, and Thursdays from 00.30 G.M.T. On the 49 m. band at this time W8XK was R8. A Dominican on 48.78 m. closed at 00.50 with a 3-chime signal, and the announcement in English: "This is short-wave station HI5N, Moca City."

HS8PJ (15.77 m.) was R7 at 14.45 on December 6, and until signing off at 15.00 with announcements in English and French. Good conditions prevailed in the evening, W1XK's "commentary on international events" being R7 at 20.30, while W2XE (25.36 m.) (R8) stated that it was "a warm and sunny day in Hollywood" at 20.45. COGF (25.41 m.) was R5 at this time. A period of listening in the region of 50 m. between 23.30 and 02.30 produced the following DX transmissions: YV5RD (R8), HJ4ABU (R7), HJ3ABX (R6), HJ5ABD (R5), VP3MR (R6-7), HJ4ABE (R4), W8XAL (R5), HJ1ABG (R5), HI3U (R7), COCO (R6), YV1RL, "Radio Popular," 50.59 m. (R7-8), HH2S (R5-6), YV1RB (R7), TIGPH (R6), YV1RE (R5), YV5RC (R8), HJ4ABD (52.17 m.) (R6), and YV2RA "La Voz de Tachira" (52.54 m.) (R8). The new Radio-Colonial station was noticed to be testing on 49.67 m., at 00.30, with a strong background of W1XAL.

On the afternoon of December 7 (at 16.40) the U.S. 9.494 m. high-fidelity waveband was active, with W3XEY (R7), giving cooking hints, and W8XKA (R6) predominating. At 23.35 PMN was a fine R8-9 with accordion solos, following which W2XAF's "Mailbag" was heard (R8-9). After an aerial change at midnight W2XAF was only R6. At 00.10 PLP was received (R4) and PSH, Rio de Janeiro, on 29.35 m. (R7-8) announced (in English) broadcasts between 00.00 and 02.00 (G.M.T.) daily. Shortly

after this, HP5A (R5), CB1190 (R4), CB1170 (R6), CJRX (R4), HJ1ABE (R4), and an interesting English talk from EAR (R7), were heard.

At 14.30 on December 9, Siamese "songs" were available from HS8PJ (31.54 m.). W2XAD relayed Greta Keller from Berlin at 20.00, W2XE (19.65 m.) and W8XK (19.71 m.) being R7 and R3, respectively, at this time. A search around 31 m. at 23.30 produced the following transmissions: HJ1ABE (R5), W2XAF (R6-7), W1XK (R6), HJ7ABB "Radio Bucaramanga" (31.15 m.) (R6-7), CXA8 Montevideo (R6), LRX (R5-6), FZF6 "Radio Martinique" (R7), using a 7-chime signal, and W3XAU (R3).

VLR was R4 on December 11 at 09.00, while, in the evening, Verdi's *La Traviata* from the New York Metropolitan Opera House, via W2XAD (R8) and Mussolini's speech, via 2RO, were outstanding. On December 12, at 05.30, W8XK (48.86 m.) broadcast tunes, at listeners' request, in aid of the Poor Children's Milk Fund. At 14.35 VK2ME was weak and suffered severe interference from the 10th harmonic of Poste Parisien. W1XK was audible (R4) but interfered with by KZRM. Incidentally, KZRM announces that he will shortly change frequency to 11.84 Mc/s. At 18.00, W2XAD (R9) relayed Austrian songs and dances from Salzburg, while at 23.00 W2XAF (R7) broadcast a programme



The Plaza de la Constitucion, Mexico City, showing the Cathedral and the Sagrario Metropolitano.

given by Latin-American students, including exchange greetings with COCH, YV5RC, and HJ1ABB. At midnight, talks in English were heard from XECC (40.6 m.).

A transmission of Oriental music received at 13.15 on December 14, on 29.7 m. was thought to emanate from XGW (Shanghai). Later, at 23.35, W2XAF's "Mailbag" (R9) was heard, after which a search in the 31 m. band revealed the following: COCH (R4), HJ1ABE (R7), HJ4ABH "La Voz de Armenia" (R4), W1XK (R8), W3XAU (R4), HJ1ABP (R6), CB960 (R5), HP5J (R4), HJ7ABB (R5), CXA8 (R5), HH3W (R3), and LRX (R5). Cary Grant was the star in "Hollywood Mardi Gras" over W2XAF (R7) at 02.30.

Good conditions prevailed during the morning of December 16. VK3ME (R4-5) and VK6ME (R3-4) at 09.00, W1XK (R6) at 11.40 and, later, PMN (R5) and VLR (R5) were the most interesting transmissions. At 14.45, HS8PJ was R7—the strongest signal yet recorded from

this station on this wavelength—but ZBW3 was weaker than usual (R2-3). A newcomer, on 50.5 m. (approx.), which can be recognised by the fact that he uses the Dutch language, was heard at 23.50, this being PJCI, on the island of Curaçao. YV1RL (R6), YV1SRV (R5) and YV3RA (R4) were also received at this time.

An interesting talk on "Ultra-Short Waves" was heard on December 17 at 21.00 from W2XAF (R9), and included a demonstration of their utility in the form of a relay from an automobile cruising in the Schenectady streets. On the following day the new Delhi transmitter was heard (R4-5), testing on 49.3 m. during the afternoon, and later Rome 2RO6 was noted to be testing on 19.61 m. VK2ME was an R3-4 signal during the afternoon of the 19th. On the 21st, W2XAD was a good R8 signal as late as 23.30, though all other long-distance transmissions on the higher frequencies had faded, and at 04.00 W2XAF (R6) provided a further relay from the Holden Expedition.

RESULTS ON CHRISTMAS EVE

On Christmas Eve reception was good and seasonable programmes were heard from ZBW3 (R6), KZRM (R4), VLR (R5), and PMN (R8) during the afternoon, and from W2XAD (R7), W1XK (R7), VQ7LO (R5), Capetown (49.2 m.) (R4), VP3MR (R6-7), W1XAL (R7), and W2XAF (R7), at night. At 00.30 the 49 m. band also provided HJ5ABD (R5), HI3U (R7), HJ4ABH (R4-5), HJ4ABE (R4), COCD, VE9HX, and VP3BG, the three last-named causing severe mutual interference. Other outstanding Christmas programmes heard included

Gigli from HVJ at 18.00 on December 25, and Toscanini conducting the NBC Symphony Orchestra, at 03.00 (December 26), from W2XAF.

Only a faint trace of VK2ME could be heard during the afternoon of December 26, and W1XK and KZRM were again mutually interfering. Christmas greetings from the children of Iceland were heard, in English, at 18.40 via TFJ (R8-9).

A period of listening on the lower frequencies between 00.40 and 03.30 on December 30 produced the following: HJ3ABX (R4), COCD (R6), HJ4ABU (R7), HI5N (R5-6), YV5RD (R7), YV5RF (R3-4),

COKG (R5), YV1RI (R5-6), HRD (R3), HIN (R6-7), YV5RJ (R7), YV5RP (R5), COCW (R5), YV1RH (R6), YV4RC (R6), YV5RH (R5), YV6RB (R5-6), TIRCC (R7), TIEP (R6-7), and two new Cubans — COCU (R5), on 45.52 m., and COCA (R6), on 46.44 m.

Later the same day—at 14.30—HS8PJ (R5), ZBW3 (R4), and the Javanese stations PMH (R4), YDB (R5), PMN (R7), PLP (R5), and YDC (R8), were heard. Good conditions prevailed during the evening, JZJ (R6-7), JZI (R5), W2XAD (R8), W8XK (19.71 m.) (R5), W2XAF (R9), W2XE (25.36 m.) (R9), COGF (R6), W1XK (R8), and W3XAU (31.28 m.) (R6), being heard. Incidentally, W2XE has also adopted a 31.29 m. wavelength.

On December 31, at 03.00, Bing Crosby and Connie Boswell were the stars of W2XAF's "Music-Hall" (R7), and, later, I followed the course of the New Year across the world until it passed outside the scope of this Review.

J. E. O.

The Sun Calls the Tune

By ALAN HUNTER

AS the "season of mists and mellow fruitfulness" gives way to what has been less poetically described as the season of colds and general beastliness, the radio comes into its own, and this year thousands of new all-wave sets are being put through their "magic carpet" paces.

Although the all-wave set has suddenly reached such dizzy heights of popularity that it is now the standard and not the exception—among new models, that is—quite a few owners are apt to sniff at the extra facilities provided.

Methinks these "sniffers" might sit up—far into the night, maybe!—and take notice of the short waves if the real magic of the business could be explained *sans* slide-rules and sick headaches.

Instead, therefore, of the exhortation of the ancients to "Know Thyself" I would suggest the apathetic short-wave set owner might apply the more appropriate dictum: "Know Thy Ionosphere"!

Certain it is that to know all—about short-wave world-spanning, I mean—is very largely to forgive all. And no one in his senses can deny that short waves, even at their best, do involve a tacit acceptance of their limitations—as compared, that is to say, with local and near-European signals.

How Short Waves Travel

Just consider for a moment how these short waves manage to span the world. That they can do so, everyone knows. How they do so, few bother to discover; yet a passing knowledge of the *modus operandi* really does modify one's criticism of short-wave failings.

High above the uppermost limits of the atmosphere float two intangible layers, in that outer envelope scientists call the ionosphere. The lower layer, some 60 miles above the earth, is known as the "E" layer; the upper as the "F" layer.

What, exactly, these layers consist of is not completely known, but, from certain observations between cause and effect, it is now fairly widely held that the main constituents are ultra-violet light and "neutral" corpuscles, shot off by the sun.

We can regard the layers of the ionosphere simply as shells enveloping the earth—keeping wireless signals earthbound, if you like, by refracting or bending them back when they try to escape into outer space.

Newcomers to short waves probably do not always realise that there is a great difference between the way in which transmissions from European medium-wave stations reach us, and the way world-wide signals on short waves arrive. But there is a very great difference—if not in principle, at least in one important detail. Whereas the medium waves are refracted by the "E" layer, the short waves are refracted by the "F" layer, and therefore pass twice through the "E" layer—once on their way up to the "F" layer and again on their way back to earth.

Good reception on short waves obtains when the signals pass freely through the "E" layer and are efficiently bent back by the "F" layer.

Bad reception on short waves obtains either when the "E" layer attenuates—that is, cuts down—the strength of the signals in their double passage through it, or when the "F" layer goes on strike and refuses to bend back the signals to earth.

So rather a lot depends on "Old Sol." In fact, it has often been rightly said that the sun calls the tune on short waves. And, because this is so demonstrably true, the condition of the sun has a very great effect on reception.

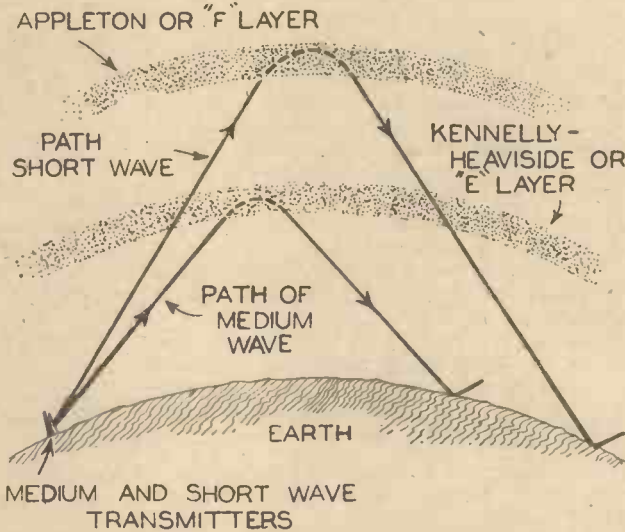
Sunspots

Every eleven years, it has been found, the sun goes through a cycle of sunspot activity, and this will reach its maximum during the years 1938-1939.

It now appears that, unless the sunspots undergo a very sudden increase—as they do from time to time—their appearance is, on the whole, beneficial for short-wave communication. In other words, newcomers to short waves should experience a noticeable improvement in reception for the next year or so.

Already, the effects can be noted in the reception of well-known American stations, as will be mentioned in a moment. Before going into that, it is as well to note that, for a given condition of the ionosphere, one band of wavelengths will be more effective than any other.

It has been found that the shorter of the short waves prefer a daylight path between transmitter and receiver, while the longer of the short waves



Illustrating propagation paths of medium-wave and short-wave signals

operate better when the communication path is in darkness.

The accent is on *path*, it should be noted, not on the local conditions of daylight or darkness at the receiving end. For instance, the United States being five hours behind us in time means that when it is just dark in England the sun is still shining in New York—or maybe behind the clouds!—and the *path* across the Atlantic is mostly in daylight.

But with these sunspots appearing like a rash on the genial face of the sun the sharp distinction in the activity of daylight and darkness bands is tending to grow less and less pronounced. That is why you can now hear Bound Brook, W3XAL, on 16.87 metres, as well as Schenectady W2XAD, on 19.57 metres, right up to midnight on most nights. In sunspot

minimum years these are bands normally active only when part at least of the path is in daylight.

The explanation is probably that, as the sunspots increase the ionisation of the "F" layer, there is a sort of "after-glow" that keeps the ionosphere operative for "daylight" signals long after the sun itself has set for the dark hemisphere.

Daylight Reception

Another important effect of the present sunspot increase can be noted in the improved daylight reception of the very short waves tunable by the average all-wave set— notably Wayne, W2XE, on 13.94 metres, which soon after midday is usually a very good signal.

You may say that this theory of short-wave propagation is all very well for scientists, but does it matter to the ordinary listener? I think it does. For one thing, the growing knowledge of the way the ionosphere works helps transmission engineers to pick the most effective wavelengths for your benefit.

Secondly, even this very elementary explanation—lacking as it is in many important aspects—ought to awaken a new tolerance for the variability of short-wave reception, as well as giving a hint as to how to get the most from any given condition.

Perhaps my enjoyment of reasonably good reception from distant parts of the world is largely conditioned by my slight appreciation of the enormous wonder of these tiny signals getting through at all! Be that as it may, I for one can never find myself sniffing at short-wave reception. I am always too much obsessed with a mental image of the truly tortuous path the signals have travelled in the twinkling of an eye from the remote transmitter to my receiver.

It is the local signals that seem mundane, as indeed they normally are, being earth-bound waves that have no such celestial trip into the firmament . . . and back!

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Short-Wave News-Reel

Compèred
by "RANGER"

I have not been able to do much listening personally during the past few days, but probably the vagaries of short-wave reception (which are discussed elsewhere in this issue) are responsible for the comparative paucity of this week's contributions.

Those I have selected describe broadcasts from U.S.A., Germany, and far-away Fiji.

FAMOUS DOG HEROES

Everyone likes a story which illustrates the sagacity and courage of a dog—even when it is the "other fellow's" dog. The following story is from a talk broadcast by W8XK and heard on a small o-v-1 (detector and 1 L.F.) set.

At 18.45 on January 12 I tuned to W8XK to hear Harry Swann, famous dog expert and explorer, speak of some American dog heroes. The following is one of the stories he related.

A family, consisting of Mary and John Snowden, their son Jim, and a collie dog Chips, lived peaceful and uneventful lives until Jim decided to go to the city to find a job. Nothing was heard of him for a year, but the old folk found Chips comforting. One day the mail brought a letter from the police to say that a body had been found, which had been identified as that of their son. The poor people were heart-broken, and, to make matters worse, Mr. Sharp, the rent collector, gave them notice to quit as the rent was badly in arrears. Their cup of bitterness was indeed overflowing.

Soon after Mr. Sharp had left, a loud barking was heard, and the screeching of brakes. A moment later the rent collector burst into the room: "Your dog has saved my life," he exclaimed. As he was crossing the road, unaware of a fast car approaching, Chips had seen his danger, and had bowled him over and out of harm's way. But poor Chips was dead. He did not die in vain, however, for John and Mary found a home with Mr. and Mrs. Sharp.

Bath.

J. M. G.

SPORTS NEWS-REEL

Those who listen regularly to sports broadcasts from U.S.A. will, no doubt, find reference to old acquaintances in this account of a programme item from W3XAL, heard upon a short-wave converter plus 6-valve superhet.

A PROGRAMME under the above title was heard from W3XAL at 16.45 on January 12,

and some interesting facts were disclosed. Jesse Owens, the world-famous runner, has applied for reinstatement into the U.S. Amateur Sports Association. It appears that Jesse raced against a race-horse in Havana, Cuba, and the question was raised: "Is a race-horse a professional?" In the South, Kentucky lead in ball game table, but Tennessee and Alabama are likely to upset them. Down in Dixie, baseball is looking for a leader, and one fancied is Morgan Blake. At a boxing match in New Jersey, Tony Delano, the local idol and café proprietor, after a recent victory, invited the whole audience to his café; they came, in their hundreds, and did those cash registers tinkle? Some business man! In the baseball world, there is a rumour that the famous New York "Yankees" will demand larger salaries.

In the studio was Harry B. Smith, of the *San Francisco Chronicle*, who dealt with the highlights of American sport for 1937—namely, Donald Budge, Joe Louis, and others—and paid tribute to Santa Clara who were unbeaten and untied, and who were the victors of the "Sugar Bowl" classic; which those listeners who heard it will agree was definitely a classic.

Bristol.

W. J. C.

"VISIT" TO MUSEUM

Quite apart from the DX short-wave programmes, very interesting items may often be heard from relatively "local" stations, which are not available on long or medium waves, as witness this story of a conducted tour of the German Museum, heard from D7Q on an o-v-2 (detector and 2 L.F.) set.

On looking through the programmes of WORLD-RADIO on January 6 and seeing that an English talk was being broadcast by DJQ I tuned in at 14.45, just in time to hear the announcer say that listeners would be taken round the German Museum at Munich. The "conductor" described the models, which included the machinery of a coal mine, a water treadmill, a potash mine, a waterwheel from Romania, the 20,000 horse-power turbines of the Niagara Falls, and the "youngest baby" of all—the Diesel engine.

After this we were shown (over the air) a pair of skis or snow shoes, pedal cycles, the first motor car, and the engines of a modern liner. Altogether, a most interesting visit, made possible by the short waves.

Ryde, I.O.W.

F. E. T.

On the Amateur Bands

THOUGH reception on the amateur bands during December has been poor for the most part, interesting DX has been heard at times. On the 7th, at 16.40, many U.S. amateurs were available at fair strength in the 10 m. band, including W1PJ (R5) and W3EMM (R6), and thirty minutes later, K6OGE (R4), was heard. But on 20 m., reception was very poor, no DX being available.

On the 11th, at 08.30, on the 20 m. band, U.S. stations predominated, W5BSO, Chicago (R7-8), being outstanding. At 16.30 on the 12th, the same band provided W3LW (R5), W2KHJ (R7), W2PC (R5), and others, and the 10 m. band was also quite good with W9WY and W4FT both excellent at R8. On the 13th, at 19.25, W1NJ was outstanding (R7) on the 20 m. band.

W8NLW (R7) was the "star" of the 10 m. band on the 15th at 15.20, while South Africa was represented shortly after by ZS2F (R4-5).

During the early morning of the 19th, VK2XU (R6), "in the Blue Mountains," and VK3ZB, Melbourne (R4-5), were received on the 20 m. band.

Contrary to usual, Latin America has supplied surprisingly few amateurs, and of those heard, NY2AE (R7), Coco Solo, Panama, and CM8AJ, Cuba (R6), were the best. The Egyptian SUIKG (R6-7), "came over" during the afternoon of the 28th on 20 m., as did VO1J (R6), Newfoundland, during the early evening, when many North Americans, including VE9AF (R5), W3CAR (R6), W3JS (R7), W3BRH (R4), W9LBJ (R5), W9YGC (R6), and W8NSL (R5-6), were also heard.

The 40 m. band, where many Spanish "war" stations, both Government and Insurgent, now work, has, as usual, been hopelessly congested, particularly during the evenings, but a few U.S. amateurs have been heard during the small hours. The quieter 80 m. band has also provided DX occasionally from the U.S.A. from about 02.00 onwards.

SHORT-WAVE THRILLS

In conclusion, here is an account which includes details of programmes heard from Suva, Fiji—the limit of DX reception on this earth—and the North Pole. The receiver in this instance was a 4-valve superhet.

SHORT-WAVE listening on January 8 provided me with several thrilling items. The first outstanding item came at 11.45, when I succeeded in tuning-in VPD2, Suva, Fiji (31.46 m.), for dance music on records until 12.00, while in the afternoon, at 16.30, the new Indian transmitter at Delhi, broadcasting native music, was heard.

A "visit" to the North Pole came next, at 19.05, when, on 21.28 m., the Soviet North Polar Expedition transmitter, UPOL, was found to be transmitting what seemed to be community singing of the "Internationale," etc.

Later, two small islands, as represented by FZF6, Martinique (30.98 m.), and PJC1 Curaçao (50.5 m.), were heard, the former providing songs in French at 23.45, and the latter a varied programme of light music at 00.15 (Jan. 9).

Finally, at 03.00, came a thrill of a different kind, for I then listened (*via* W8XK) to Toscanini conducting the NBC Symphony Orchestra in a superb concert—an appropriate conclusion to a day of short-wave thrills.

Yate, Glos.

F. J. R.

Below 100 Metres

By "SCOTIAN"

(January 2-7)

LONG-DISTANCE reception conditions here (in Stirlingshire) continue to be extremely variable, particularly on the usual evening frequencies and at times the prevailing ionisation levels have been very low.

VK2ME, R4 at 14.00 on Sunday, later improved to R5-6 when radiating a programme of popular recordings and giving multi-lingual announcements. PMN (29.24 m.) at this time was R5, with high noise level. On 9.494 m., W3XEY could be heard at 15.10—peaking to R7—and considerable activity prevailed on the 10 m. amateur band. The U.S. trio—W3XAL (16.87 m.), W2XAD, and W8XK (19.72 m.)—gave fairly good results in the early evening. By 21.25 W1XK had improved to R6, and LRX was R6-7, with slight distortion. Shortly before 23.00 VP3MR was logged with no difficulty.

On Monday, VLR gave an R4 signal at 12.40. PMN showed a definite improvement in the afternoon being a good R7, and W3XAL was R6. In the early evening W8XK gave the best American reception, the U.S. President's speech at the opening of Congress being quite well heard through this channel at 18.30. After midnight on 49 m., with conditions favouring the South Americans, many stations were well heard.

The following day a general "fade-out" was evident; W2XE, however, gave his customary R7 signal at 13.00. Wednesday found the 16 m. and 19 m. U.S. broadcasters giving good signals until a much later hour than on previous days. W2XE (25.36 m.) maintained a fine R7 signal until a late hour whilst JZJ, on the same band, was rather poor. The "Voice of Electricity" opened W2XAF's transmission at 21.00 with an excellent R8 signal and W1XK gave equally strong reception though affected by slight distortion at times. On 49 m. at 21.40 W8XAL was R6-7 and many South Americans were easily heard at a later hour.

Eastern stations heard on Thursday afternoon were HS8PJ (31.55 m.) (R6), ZBW3 (R4), and PMN (R5). W3XAL performed well until fading-out around 18.00 when the 19 m. U.S. broadcasters also disappeared. The lower frequencies gave the best results on Friday evening, W2XAF and W1XK being R7 and R6 respectively at 21.15. During the late period "flutter" was in evidence on 31 m. and below; nevertheless quite good intelligibility was obtained from PSH, W8XK and COCQ.

Short-Wave Programmes

All times are given in G.M.T.

* Electrical Recordings.
† Gramophone Records.
‡ A second transmitter and aerial working on the same frequency.

SUNDAY, Jan. 16

EMPIRE

The Empire Programmes are printed in outline for the convenience of overseas readers.

Transmission 1 (GSG, GSO, GSF, GSD, GSB).

08.15—Big Ben; Wales v. England, Rugby Football match.*

08.45—Edinburgh Police Pipe Band.*

09.05—Newsletter, Sports Summary.

09.35-10.25—Empire Service from St. Paul's Cathedral, London.*

Transmission 2 (GSJ, GSH, GSG, GSO, GSF).

10.45—Big Ben; The Life of Walter Barnes, Fisherman.*

11.30—Edith Walton (Pfte.).*

11.40—Service (C. of E.).*

12.30—Light Orchestra.

12.55—Wales v. England, Rugby Football match.*

13.25-13.55—Newsletter, Sports Summary.

Transmission 3 (GSH, GSG, GSF, GSD, GSO to 15.00).

13.55—Opening Announcements.

14.00—Big Ben; English Country Dances.*

14.25—Glyn Eastman (Baritone).

14.40—"London Pride."*

15.20—The Westminster Players.

15.45—Big Ben; Newsletter, Sports Summary.

16.05-17.00—Empire Service from St. Paul's Cathedral, London.*

Transmission 4 (17.20-20.45 GSG, GSP from 18.45, GSA, GSD, GSB; GSC, 17.20-18.15, Arabic Transmission; 21.00-22.45 GSO, GSC, GSB, GSB†).

17.20—Chamber Music: New London Trio.

18.00—Big Ben; Newsletter, Sports Summary.

18.20—Irish Guards Band.*

19.00—"For the Colonial Service": talk.*

19.20—Chopin's Music.†

19.30—James Bell (BBC Theatre Organ).

19.55-20.45—Service (C. of E.).

21.00—Big Ben; Newsletter, Sports Summary.

21.20—BBC Theatre Orchestra.

22.00—Peter Dawson (Bass).

22.30-22.45—Epilogue.

Transmission 5 (GSC, GSB, ‡ GSB, GSL).

23.05—The Music of César Franck.

23.35—"For the Colonial Service": talk.*

23.55—Service (C. of E.).*

00.45—Big Ben; Newsletter, Sports Summary.

01.05-01.30—BBC Theatre Organ.

Transmission 6 (GSD, GSC, GSB, GSL).

02.15—Big Ben; Beethoven's Symphonies.*

03.05—Newsletter, Sports Summary.

03.25-04.15—Service (C. of Scotland).*

BARCELONA (42.70 m.)

23.00—News (Foreign Languages).

(21.35 m.)

00.30-01.30—News (Eng.).

BOSTON (19.67 m.)

15.00—Church Service.

(25.45 m.)

20.00—New York Philharmonic.

22.00—Christ. Sc. Service; Talks.

(49.67 m.)

01.00—To be announced.

BOUND BROOK (16.87 m.)

14.00—Music; News; Variety.

19.00—RCA Magic Key.

20.00—Music.

23.00-02.00—For S. America (Eng., Sp.); Variety, Music, etc.

(49.18 m.)

02.25-06.00—For S. America (Eng., Sp.); News, Music, Variety, Recordings.

BUDAPEST (19.52 m.)

14.00-15.00—Band; Songs and

Dances; News (Eng.); Band; Notes; Anthem. (32.88 m.)

00.00-01.00—See 14.00.

BUENOS AIRES (19.62 m.)

12.00—News; Music; Bargains.

(31.06 m.)

14.30—Music; at 17.00, News.

18.00—Markets; Music.

19.00—Calendar; Music; Notes.

22.00—Play; Music; Dances.

22.30—Feature Programmes.

02.30—Chan-Li-Po; Jokes.

03.00-04.30—News; Music; Dances.

CARACAS (31.26 m.; 51.72 m.)

13.30—R.C. Service.

14.00-16.30—Dance Music.

20.30—Opera Music.

22.30-02.30—Dancing; Songs.

CHICAGO (49.18 m.)

22.00—Metropolitan Opera Auditions.

HUIZEN (16.88 m.)

13.25—Anthem; Call; Talk.

13.50—Rotterdam Philharmonic.

14.20-15.30—News; Music; Talks.

(31.28 m.)

00.00-01.00—For the West.

LYNDHURST (31.32 m.)

08.00—Choir and Soloists.

08.30—Foreign Affairs.

08.55—News; Alice in Orchestra; Records.

10.30—This Week's Story.

10.45—The New Note Octet.

11.15—"Sixteen"—Play.

12.15-12.30—News; Epilogue.

MILLIS (31.35 m.)

01.00—Symphony Concert.

MOSCOW (25 m.)

11.00—Programme in English.

12.00—Talks, etc. (Ger., Dutch).

14.00—Programme in French.

15.00—Programme in English.

17.15—Programme in German.

(50 m.)

20.00—Programme in Italian.

21.00—Talks, etc. (Eng., Ger.).

(31.26 m.)

23.00—Programme in Spanish.

(31.26 m.; 39.79 m.)

00.00—Programme in English.

(50 m.)

01.30—Programme in French.

(25 m.)

03.15—Programme in English.

PARIS (Radio-Colonial) (25.24 m.)

07.00—News; Records; Review.

09.40—News (Eng., It.).

(19.68 m.)

11.00—Concert.

12.00—News (Eng., Fr.); Music.

14.30-16.00—To be announced.

(25.24 m.)

16.15—News (Fr., Arab.); Music.

19.00—Radio Journal; News.

20.10—News (Eng., It.).

20.30—To be announced.

22.30—Markets; News (Port.).

(25.6 m.)

23.15-01.15—Music; at 00.15—News (Fr., Sp., Port.).

03.00—Records; News.

04.30—News (Eng.); Records.

05.45-06.00—News (Ger.).

PITTSBURGH (19.71 m.)

14.00—For Children; Variety.

16.00—Calvary P.E. Church.

17.00—Southernaires.

17.30—Music-Hall; Variety.

19.00—RCA Magic Key.

20.00—On Broadway; Band.

21.00—Organ; Vespers.

22.00—Metropolitan Auditions.

22.30—Ed McConnell; Hirsch.

23.00—Broadway Stars; Melody.

23.30—News; Music.

(25.26 m.)

00.00—Popular Classics; Music.

01.00—Rochester Civic Orchestra.

02.00—Hollywood Playhouse.

02.30—Winchell; Irene Rich.

(48.83 m.)

03.00—Marek Weber; Cheerio.

04.00—Music; News.

04.15—Missionary Broadcast.

05.00-06.00—Orchestras.

PODEBRADY

(31.41 m.; 49.92 m.)

18.00—News (Czech., Ger.).

Music.

21.00—News (Fr.); Music.

21.30—News and Talk (Eng.); Music.

REYKJAVIK (24.52 m.)

18.40—Talk and News (Eng., Ice.); Music.

19.05-19.30—Talk and News (Ger.); Music.

ROME (25.4 m.)

10.00—News; Folk Songs.

11.00—News (Eng.); Music; News.

12.30-13.45—Concert; News.

15.00—News; Opera Music; News (Eng.).

16.15—Sports; Music; News.

(31.13 m.)

17.20-18.00—Music, Talk (Arabic).

18.21—News (Rom., Hung., Serb., Fr.).

19.36—News and Talk (Eng.).

19.57—Notes (Fr., Eng., Ger.).

20.00—From Rome (No. 1); at 20.50—Talk (Dan.).

22.30—News (Sp., Greek).

23.00—For S. America: News; Music; Talks (Sp., Port.).

00.30-02.00—For U.S.A.: News (Eng.); Music; Talks.

SCHENECTADY (19.57 m.)

16.00—News; Music.

17.30—University Discussion.

18.00—Paul Martin; Choir.

19.00—To be announced.

(19.57 m.; 31.48 m.)

21.00—Organ; Songs; Sketch.

23.00—R.C. Hour; Variety.

(31.48 m.)

02.00—Merry-go-Round; Music.

03.00—Stars Programmes; Music.

04.30-05.00—News; Orchestra.

TOKIO (25.42 m.; 31.46 m.)

For Europe.

20.00—News (Eng.); Talk.

20.30—News (Ger., Fr., Jap.).

VATICAN CITY (50.26 m.)

10.00—For Invalids (Latin, Fr.).

WARSAW (22 m.; 26.01 m.)

23.00-02.00—News, etc. (Pol., Eng.); Music; at 01.25, Talk (Eng.).

WAYNE (13.94 m.)

13.00—Organ; Variety.

14.55—News; Church Service.

15.30—For Children.

16.30—Major Bowes' Variety.

17.30-18.00—Choir and Organ.

(25.36 m.)

19.30—Dramatic Programme.

20.00—New York Philharmonic.

Conductor: Georges Enesco.

22.00-23.00—Variety; Dancing.

23.30-05.00—For S. America.

23.30—Variety.

00.00—Jeannette MacDonald.

00.30—Phil Baker; Variety.

02.00—Robert Casadesu (Pfte.).

03.00—Zenith Foundation.

03.30—News; Dance Music.

ZEESEN (16.89 m.; 19.63 m.; 19.74 m.; 31.38 m.; 31.45 m.)

05.05—Call (Ger., Eng.); Concert.

06.00—News; Concert.

07.00—News (Eng.); Quartet; Songs.

08.15—Symphony Concert.

09.30—News; Army Band.

10.45—Wurlitzer Organ; Music.

12.00—News (Eng.); Music.

13.00—News; "Sunday."

13.30—Berlin Soloist Society.

14.00—News (Eng., Dutch); Music.

14.30-16.00—"Ghosts"; Orchestra.

(19.85 m.; 25.49 m.; 49.83 m.)

15.40—Call (Ger., Eng.); Concert.

16.15—Fairy Play.

16.50—Concert.

17.15—"Sunday"; Marches.

17.45—News; Concert.

19.00—News (Eng.); Wilhelm Raabe Programme with Music.

20.00—From Home and Abroad.

20.45-21.25—Sports; News (Ger., Eng.).

(19.74 m.; 25.49 m.; 49.83 m.)

16.10-17.25—Symphony Concert.

18.21—News and Talks (Rom., Hung., Serb., Fr.). 19.36—News (Eng.). 19.57—Notes (Fr., Eng., Ger.). 20.00—From Turin (No. 1). In the interval, Talk (Esp.). 22.30—News (Sp., Greek). 23.00—For S. America: News, Music, Talks, etc. (Sp., Port.). 00.30-02.00—For U.S.A.: News (Eng.); "Don Pasquale" (Donizetti); Reading; Mail; News.

SCHENECTADY

(19.57 m.) 16.00—David Harum; Variety. 17.30—Farm Programme; Variety. 20.00—U.S. Travel Talk (Fr.). 20.15—WPA Musical. 20.30—Rochester Civic Orchestra. (19.57 m.; 31.48 m.) 21.00—Shortwave Club; Variety. 22.00—News Tower; Variety. 23.15—U.S. Travel Talk. 23.30—News; Songs; Sports. 00.00—Amos 'n' Andy. 00.15—U.S. Travel Talk (Sp.). 00.30—Stocks; News (Sp.). 01.00—Comments and Music (Sp.). 01.30—Richard Crooks (Tenor). (31.48 m.) 02.00—Talk (Sp.); Variety. 04.00—05.00—Shortwave Club; Music.

SUVA

(31.46 m.) 10.30-12.00—Records.

TOKIO

(25.42 m.; 31.46 m.) For Europe. 20.00—News (Eng.); Nagauta Ballads. 20.30—News (Ger., Fr., Jap.).

VATICAN CITY

(19.84 m.) 15.30—Church Notes (It.). (50.26 m.) 19.00—Church Notes (It.).

WARSAW

(22 m.; 26.01 m.) 23.00-01.00—News (Pol., Eng.); Talk; Music; Talk (Eng.).

WAYNE

(13.94 m.) 12.30-15.00—Variety; News. (19.65 m.) 18.00-19.15—Variety; For Women. (25.36 m.) 19.30—School of the Air. 20.00—Coolidge Quartet. 20.30—CBS-BBC Exchange—Broadway Matinée. 21.00—Popular Music. 21.45—Dr. Dafoe. 22.00-23.00—News; Dance Music. 23.30-05.00—For S. America. 23.30—News (Eng., Sp.); Variety, etc. 03.30—"Brave New World." 04.00-05.00—Dance Music.

ZEESEN

(16.89 m.; 19.63 m.; 19.74 m.; 31.38 m.; 31.45 m.) 05.05—Call (Ger., Eng.); Music. 07.00—News (Eng.); Topical. 07.30—Quartet (Schubert). 08.00—Metropol Casino Ball. 09.15—Sports; News; Topical. 10.00—Concert. 12.00—News (Eng.); Concert. 13.00—News; Folk Songs; Sports. 14.00—News (Eng., Dutch); Talk. 14.30-16.00—Marches; Variety. (19.85 m.; 25.49 m.; 49.83 m.) 15.40—Call (Ger., Eng.); Music. 16.15—Variety. 17.15—Talk; News; Music. 19.00—News (Eng.); Topical. 19.30—Silesian Programme. 20.15—Grümmer (Cello); Talk. 21.00-21.25—News (Ger., Eng.). (19.74 m.; 25.49 m.; 49.83 m.) 21.50—Call (Ger., Eng.). 22.00—Wilhelm Raabe Programme. 22.45—News; Folk Music. 23.15—Variety; Talk. 00.30—From Home and Abroad. 01.15—News (Eng.); Radio Ball. 02.00—News; Study Club. 02.30—Radio Ball (contd.). 03.15-03.45—Talk; News (Eng.).

TUESDAY, Jan. 18

EMPIRE

Transmission 1 (GSG, GSO, GSF, GSD, GSB) 08.15—Big Ben; Music-Hall.* 09.15—"Empire Exchange."* 09.30—The Luton Band. 10.0-10.25—Big Ben; News. Transmission 2 (GSJ, GSH, GSG, GSO, GSF) 10.45—Big Ben; Beethoven's Symphonies.* 11.30—Pfte. Music.†

11.40—Cinema Organ. 12.00—"Rehearsal." Variety. 12.15—"The Real Robinson Crusoe." 12.55—David Martin (Violin). 13.15—Robb Wilton in "The Court of Not-so-Common, Please!"** 13.30-13.55—Big Ben; News.

Transmission 3 (GSH, GSG, GSF, GSD, GSO to 15.00) 13.55—Opening Announcements. 14.00—Big Ben; "Take Your Choice."* 14.30—"Food" Songs.* 14.40—Early English Pfte. Music.† 14.45—"Catharine Parr," by Maurice Baring. 14.55—See 14.40 (Cont'd.).† 15.00—Torquay Municipal Orchestra: Joyce Newton (Contralto). 16.00—Big Ben; News. 16.20—Bratza (Violin). 16.40-17.00—"Do We Understand English?" A. Lloyd James.

Transmission 4 (17.20-21.00 GSG, GSP from 18.45, GSA, GSD, GSB; GSC, 17.20-18.15, Arabic Transmission; 21.15-23.00 GSO, GSC, GSB, GSB) 17.20—Al Collins' Dance Orchestra.* 18.00—Big Ben; News. 18.20—"The Real Robinson Crusoe."** 19.00—Big Ben; British Legion Band. 19.30—Scottish Dance Music. 19.50—Jack Wilson and a Piano. 20.00-21.00—"At Your Service, Madam," a musical play. 21.15—Big Ben; News. 21.35—British Industries Fair, 1938: the Right Hon. The Earl of Derby, K.G., G.S.B., G.C.V.O.* 21.50—Dorothy Clark (Contralto); Louise Gargurevich (Pfte.). 22.20—R.R.S. Discovery.* 22.40-23.00—Edinburgh Police Pipe Band.*

Transmission 5 (GSC, GSB, GSB, GSL) 23.20—"Topics of the Day." Talk. 23.35—The Symphonies of Brahms. 00.20—"The Organ, The Dance Band, and Me." 00.40—News. 01.00-01.30—Big Ben; Peter Dawson (Bass).*

Transmission 6 (GSD, GSC, GSB, GSL) 02.15—Big Ben; See Trans. 4, 21.35.* 02.30—BBC Theatre Orchestra.* 03.25—News. 03.45—Big Ben; Brass Band.† 03.55—Robb Wilton in "The Court of Not-so-Common, Please!"** 04.10-04.15—See 03.45 (Cont'd.).†

BARCELONA

(42.70 m.) 23.00—News (Foreign Languages). (21.35 m.) 00.30-01.30—News (Eng.).

BOSTON

(19.67 m.) 19.30—Monitor News. 20.00—Rebroadcast for Europe. (25.45 m.) 21.50—URSlgram; Rebroadcast. 23.00—Monitor News. (49.67 m.) 00.00—Music; Literature. 01.00-02.00—Harvard Series.

BOUND BROOK

(16.87 m.) 14.00—Music; News; Variety. 16.00—News (It.); Music. 16.30-16.45—Film Notes (It.). 17.00—News; Tenor; Variety. 18.00—News (Fr.); Music. 19.00—News (Ger.); Variety. 20.00—News (Fr.); Marine Band. 20.30—For Women (Fr.). 21.00—News (Ger.); Music. 21.30—Talk (Ger.); Music. 22.00—News; Music. 23.00-02.00—For S. America (Sp., Port.): News, Music, Variety. (49.18 m.) 02.25-06.00—For S. America (Eng., Sp.): Variety, News, Recordings, etc.

BUENOS AIRES

(19.62 m.) 12.00—News; Music; Bargains. (31.06 m.) 14.30—Music; at 17.00—News. 18.00—Markets; Music. 19.00—Calendar; Music; Notes. 20.00—Play; Music. 22.00—Markets; Music. 23.30—Feature Programmes. 02.30—Chan-Li-Po; Jokes. 03.00-04.30—News; Music; Dance.

CARACAS

(31.26 m.); 51.72 m.) 12.00-13.00—News. 15.00-18.30—Records and Songs. 20.45—Music and Songs. 22.15—For Children; Dancing. 23.00—News; Variety and Talks. 01.30—For Scouts. 02.30-03.00—Classical Music.

CHICAGO

(49.18 m.) 22.45—Californians' Orchestra. 00.15—Mr. Keene.

HUIZEN

(19.71 m.) 08.30-10.00—Variety for Australia and New Zealand. (31.28 m.) 10.30-13.00—See 08.30. (16.88 m.) For the Dutch Indies. 13.25—Call; Stocks; Variety. 15.00-15.10—News. (31.28 m.) 19.00-20.30—For Africa.

LYNDHURST

(31.32 m.) 02.35—Records; News; Music. 03.30—Racing; Music. 05.30-07.15—Cricket; Racing; Music. 08.30—"The Watchman"; News. 09.40—News (French); Music. 10.00—Symphony Hour. 11.00—Travel Letter; Songs. 11.40—Sketch; Harpsichord. 12.20-13.30—News; Dance Music.

MILLIS

(31.35 m.) 16.45—Edward MacHugh. 23.25—Sports—Bill Williams.

MOSCOW

(25 m.) 11.00 and 17.15—Talks, etc. (Ger.). (50 m.) 20.00—Talks, etc. (It., Ger.). 21.00—Talks, etc. (Dutch, Port.). (31.26 m.) 23.00—Programme in Spanish. (31.26 m.; 39.79 m.) 00.00—Programme in English. (50 m.) 01.30—Programme in French. (25 m.) 03.15—Programme in English.

PARIS (Radio-Colonial)

(25.24 m.) 07.00—News; Records; Review. 09.40-10.00—News (Eng., It.). (19.68 m.) 11.00—Records; Talk (Jap.). 12.00—News (Eng., Fr.); Music. 14.30—Dramatic Programme. 15.55-16.00—Exchange & Markets. (25.24 m.) 16.15—News (Fr., Arab.); Music. 18.50—Shipping; News. 20.10—News (Eng., It.). 20.30—To be announced. 22.30—Markets; News (Port.). (25.6 m.) 23.15-01.15—Music; at 00.15—News (Fr., Sp., Port.). 03.00—Records; News. 04.30—News (Eng.); Records. 05.45-06.00—News (Ger.).

PITTSBURGH

(19.71 m.) 14.00—Shopping; Variety. 16.45—Edward MacHugh. 17.00—News; Music. 17.30—Farm and Home; Songs. 18.45—Rochester Civic Orchestra. 19.15—Let's talk it over. 19.30—Home Forum; Music; Clubs. 20.30—U.S. Marine Band; Clubs. 21.15—News; Music. 21.45—Interviews; Variety. 23.00—News; Music; Stars. 23.45—Lowell Thomas. (25.26 m.) 00.00—Variety. 01.00—Husbands and Wives. 01.30—Topical; Brigadiers. 02.30—NBC Night Club. (48.83 m.) 03.00—Gen. Johnson; Variety. 03.30—Radio Town Meeting. 04.00-06.00—News; Music.

PODEBRADY

(31.41 m.; 49.92 m.) 18.00—News (Czech, Ger.); Opera (Smetana); at 21.00—News (Fr., Eng.).

ROME

(25.4 m.) 10.00—News; Music. 11.00—News (Eng.); Opera Music; News. 12.30-13.45—Music; News; Talk. 15.00—News; Concert; News (Eng.). 16.15—Music; News. (31.13 m.) 17.21—News, Music (Arabic). 18.01—Talk (Eng.).

18.21—News and Talks (Rom., Hung., Serb., Fr.). 19.36—News and Talk (Eng.). 19.57—Notes (Fr., Eng., Ger.). 20.00—From Turin (No. 1). In the interval, Talk (Serb.). 22.30—News (Sp., Greek). 23.00—For S. America: News; Music, Talks (Sp., Port.). 00.30-02.00—For U.S.A.: News (Eng.); Concert; Talk; News.

SCHENECTADY

(19.57 m.) 16.00—David Harum; Variety. 17.30—Farm Programme; Variety. 19.30—Women's Clubs. 20.00—U.S. Marine Band. (19.57 m.; 31.48 m.) 21.00—Lorenzo Jones; Variety. 22.00—News Tower; Variety. 23.00—Science; Rhythm. 23.30—News; Mail; Programmes. 00.00—Amos 'n' Andy; Songs. 00.30—Stocks; News (Sp.). 01.00—Music (Sp.); Serenade. (31.48 m.) 02.00—Vox Pop. 02.30—Hollywood Programmes. 03.45-05.00—Music.

SUVA

(31.46 m.) 10.30-12.00—Records.

TOKIO

(25.42 m.; 31.46 m.) For Europe. 20.00—News (Eng.); Jap. Folk Songs. 20.30—News (Ger., Fr., Jap.).

VATICAN CITY

(19.84 m.) 15.30—Church Notes (Eng.). (50.26 m.) 19.00—Church Notes (Eng.).

WARSAW

(22 m.; 26.01 m.) 23.00-01.00—News, etc. (Pol., Eng.); Music; at 00.25—Talk (Eng.).

WAYNE

(13.94 m.) 12.30—Variety; at 12.55 and 14.25—News. (19.65 m.) 18.00-19.15—Variety; Music. (25.36 m.) 19.30—School of the Air. 20.00—The Dictators. 20.15—Opening of the New CBS Studios in Hollywood. 20.45—Soprano, Orchestra. 21.00—Medical Talk; Music. 21.45—Dr. Dafoe; Talk; Music. 22.00—Your Melody Corner. 22.30-23.00—News; Dance Music. 23.30-05.00—For S. America (Eng., Sp.): Variety, Music, News, etc.; at 01.30—John Barrymore.

ZEESEN

(16.89 m.; 19.63 m.; 19.74 m.; 31.38 m.; 31.45 m.) 05.05—Call (Ger., Eng.); Music. 06.00—News; Music. 06.50—Greetings to New Zealand. 07.00—News (Eng.); Talk; Music. 08.30—Non-Stop Variety. 09.30—News; Talk. 10.00—"Gasparone" (Millöcker). 11.00—Light Music. 12.00—News (Eng.); Music. 13.00—News; Songs. 13.30—From the "Waterkant." 13.45—Hungarian Ensemble. 14.00—News (Eng., Dutch); Talk. 14.30—"Cello"; "Home and Abroad." Talk. 15.45-16.00—Talk. (19.85 m.; 25.49 m.; 49.83 m.) 15.40—Call (Ger., Eng.); Music. 16.15—Reading; Songs; Music. 17.15—Meditations in English. 17.30—Talk; News. 18.00—"Wiener Blut" (Strauss). 19.00—News (Eng.); Topical. 19.30—Military Band; Songs. 21.00-21.25—News (Ger., Eng.). (19.74 m.; 25.49 m.; 49.83 m.) 21.50—Call (Ger., Eng.); Music. 22.45—News; Light Music. 23.45—X-Rays—Sequence; Talk. 00.30—Quartet (Schubert); Sketch. 01.15—News and Talk (Eng.). 01.45—Talk; News; "Silesia." 03.00-03.45—Cello; News (Eng.).

WEDNESDAY, Jan. 19

EMPIRE

Transmission 1 (GSG, GSO, GSF, GSD, GSB) 08.15—Big Ben; "Take Your Choice."* 08.45—"Food" Songs.* 08.55—Coldstream Guards Band. 09.45—See Tuesday, Trans. 4, 21.35.* 10.00-10.25—Big Ben; News. Transmission 2 (GSJ, GSH, GSG, GSO, GSF) 10.45—Big Ben; Bargains. (31.06 m.) 14.30—Music; at 17.00—News. 18.00—Markets; Music. 19.00—Calendar; Music; Notes. 20.00—Play; Music. 22.00—Markets; Music. 23.30—Feature Programmes. 02.30—Chan-Li-Po; Jokes. 03.00-04.30—News; Music; Dance.

10.45—Big Ben; Dance Music.† 11.15—"Take Your Choice."** 11.45—"Food" Songs.* 11.55—"Do We Understand English?" A. Lloyd James.* 12.10—Schumann's Chamber Music. 12.30—"Ethel and her Engine."* 13.05—Sophie Rowlands (Soprano); Tom Kinniburgh (Bass). 13.30-13.55—Big Ben; News.

Transmission 3 (GSH, GSG, GSF, GSD, GSO to 15.00) 13.55—Opening Announcements. 14.00—Big Ben; The Luton Band.* 14.30—R.R.S. Discovery.* 14.50—Selection from Gilbert and Sullivan Operas.† 15.00—Music-Hall.* 16.00—Big Ben; News. 16.20—Frank Butterworth (Flute); Shula Doniach (Pfte.). 16.40-17.00—"World Affairs."

Transmission 4 (17.20-21.10 GSG, GSP from 18.45, GSA, GSD, GSB; GSC, 17.20-18.15, Arabic Transmission; 21.25-23.00 GSO, GSC, GSB, GSB) 17.20—R.R.S. Discovery.* 17.40—Alan Bartlett (Violin). 18.00—Big Ben; News. 18.20—"Take Your Choice."* 18.50—"Food" Songs.* 19.00—Big Ben; "World Affairs."** 19.15—Helen Perkin (Pfte.). 19.30—"London Pic."* 20.15-21.10—BBC Symphony Orchestra conducted by Willem Mengelberg. 21.25—News. 21.45—Big Ben; Irish Concert. 22.10—"World Affairs."** 22.25-23.00—Dance Music.

Transmission 5 (GSC, GSB, GSB, GSL) 23.20—"The House in the Country."** 00.05—"Empire Exchange."* 00.20—Traditional Songs from Scotland and Wales. 00.40—News. 01.00-01.30—Big Ben; Chamber Music; Trio.

Transmission 6 (GSD, GSC, GSB, GSL) 02.15—Big Ben; "World Affairs."** 02.30—Light British Music.* 03.25—News. 03.45-04.15—Big Ben; Vest-Pocket Vaudeville.*

BARCELONA

(42.70 m.) 23.00—News (Foreign Languages).

BOSTON

(19.67 m.) 19.30—Monitor News. 20.00—Rebroadcast for Europe. (25.45 m.) 21.50—URSlgram; Rebroadcast. 23.00—Monitor News. (49.67 m.) 00.00—Music, etc. 01.00—Songs of America, etc. 01.45-02.00—Shortwave Fans.

BOUND BROOK

(16.87 m.) 14.00—Variety; News. 16.00—News (It.); Music. 17.00—News; Variety. 18.00—News (Fr.); Music. 19.00—News and Talk (Ger.); Variety. 20.00—News (Fr.); Music. 20.30—Talk (Fr.); Variety. 21.00—News (Ger.); Music. 21.30—Talk (Ger.); Variety. 22.00—News (Eng.); Music. 23.00-02.00—For S. America (Port., Sp.): Variety, Music, News. (49.18 m.) 02.25-06.00—For S. America (Eng., Sp.): News, Variety, Music.

BUENOS AIRES

(19.62 m.) 12.00—News; Music; Bargains. (31.06 m.) 14.30—Music; at 17.00—News. 18.00—Markets; Music. 19.00—Calendar; Music; Notes. 20.00—Play; Music. 22.00—Markets; Music. 23.30—Feature Programmes. 02.30—Chan-Li-Po; Jokes. 03.00-04.30—News; Music; Dance.

BUENOS AIRES

(19.62 m.) 12.00—News; Music; Bargains. (31.06 m.) 14.30—Music; at 17.00—News. 18.00—Markets; Music. 19.00—Calendar; Music; Notes. 20.00—Play; Music. 22.00—Markets; Music. 23.30—Feature Programmes. 02.30—Chan-Li-Po; Jokes. 03.00-04.30—News; Music; Dance.

CARACAS

(31.26 m.; 51.72 m.) 12.00-13.00—News.

15.30-18.30—Records and Songs. 20.45—Music and Songs. 22.15—For Children; Dancing. 23.00-03.00—News; Variety.

CHICAGO (49.18 m.) 22.30—Kogen's Orchestra. 00.45—Pleasant Valley Frolics.

HUIZEN (19.71 m.) 14.00-17.00—For the Dutch Indies. (31.28 m.) 00.00—For the West. 01.00-02.30—For S. America.

LYNDHURST (31.32 m.) 02.35—Records; News; Music. 03.30—Racing; Music. 05.30-07.15—Cricket; Racing; Music. 08.30—"Watchman;" News. 09.40—Australian History; Music. 10.00—"The Gipsy Baron" (Strauss).

MILLIS (31.35 m.) 14.40—News.

MOSCOW (25 m.) 11.00—Programme in German. 11.30—Programme in English. 17.15—Programme in German. (50 m.) 20.00—Talks, etc. (It., Ger.). 21.00—Talks, etc. (Fr., Ger.). (31.26 m.) 23.00—Programme in Spanish. (31.26 m.; 39.79 m.) 00.00—Programme in English. (50 m.) 01.30—Programme in Dutch. (25 m.) 03.15—Programme in English.

PARIS (Radio-Colonial) (25.24 m.) 07.00—News; Records; Review. 09.40-10.00—News (Eng., It.). (19.68 m.) 11.00—Music; Talks (Fr., Russ.). 12.00—News (Eng., Fr.); Music. 14.30—Symphony Concert; Violin. 15.55-16.00—Exchange; Markets. (25.24 m.) 16.15—News (Fr., Arab.); Music. 18.50—Talks; News. 20.10—News (Eng., It.). 20.30—To be announced. 22.30—Markets; News (Port.). (25.6 m.) 23.15-01.15—Music; at 00.15—News (Fr., Sp., Port.). 03.00—Records; News. 04.30—News (Eng.); Records. 05.45-06.00—News (Ger.).

PITTSBURGH (19.71 m.) 14.00—Shopping; Variety. 16.45—Edward MacHugh. 17.00—News; Variety. 17.30—Farm and Home; Songs. 19.00—Strollers; Home Forum. 20.00—Music; Variety; Clubs. 21.15—News Reeler. 21.30—PTA Congress; Variety. 23.00—News; Music; Variety. 23.45—Lowell Thomas. (25.26 m.) 00.00—Variety; From Hollywood. 01.45—Choir; Western Skies. 02.30—NBC Minstrel Show. (49.83 m.) 03.00—Gen. Johnson; Variety. 04.00-06.00—News; Music.

PODEBRADY (31.41 m.; 49.92 m.) 18.00—News (Czech; Ger.); Music. 21.00—News (Fr.); Music. 21.30—News and Talk (Eng.); Music.

ROME (25.4 m.) 10.00—News; Opera Music. 11.00—News (Eng.); Music; News. 12.30-13.45—Music; News; Talk. 15.00—News; Opera; Talk; News (Eng.). 16.15—Concert; News. (31.13 m.) 17.21—News, Music (Arabic). 18.01—Talk (Ger.). 18.21—News and Talks (Romanian, Hung., Serb., Fr.). 19.36—News (Eng.). 19.57—Notes (Fr., Eng., Ger.). 20.00—From Milan (No. 1); Notes (Fr., Eng., Ger.). 22.30—News (Sp., Greek). 23.00—For S. America; News; Music; Talk (Sp., Port.). 00.30-02.00—For U.S.A.; News (Eng.); Music; Talk (Eng.); News.

SCHENECTADY (19.57 m.) 16.00—David Harum; Variety. 17.30—Farm Programme; Variety. 19.00—Health Talk; Variety. (19.57 m.; 31.48 m.) 21.00—Lorenzo Jones; Variety. 22.00—News Tower; Variety. 23.00—America's Schools; Rhythm. 23.30—News; Songs; Music (Sp.). 00.00—Amos 'n' Andy. 00.15—Sketch (Sp.). 00.30—Stocks; News (Sp.). 01.00—Latin-American Concert. (31.48 m.) 02.00—Town Hall. 03.00—Hollywood Parade. 04.00-05.00—Orchestras.

SUVA (31.46 m.) 10.30-12.00—Records.

TOKIO (25.42 m.; 31.46 m.) For Europe. 20.00—News (Eng.); Talk. 20.30—News (Ger., Fr., Jap.).

VATICAN CITY (19.84 m.) 15.30—Church Notes (Sp.). (50.26 m.) 19.00—Church Notes (Sp.).

WARSAW (22 m.; 26.01 m.) 23.00-01.00—News (Pol., Eng.); Music; Talks (Pol., Eng.).

WAYNE (13.94 m.) 12.30-15.00—Variety; News. (19.65 m.) 18.00-19.15—Variety; For Women. (25.36 m.) 19.30—School of the Air; Variety; Music. 21.45—Dr. Dafoe—Talk; Music. 22.25-23.00—News; Swing School. 23.30-05.00—For S. America (Eng., Sp.); Variety, Music, News; at 01.30—Eddie Cantor.

ZEESEN (16.89 m.; 19.63 m.; 19.74 m.; 31.38 m.; 31.45 m.) 05.05—Call (Ger., Eng.); Music. 06.00—News; Music. 07.00—News (Eng.); Talk; 'Cello. 08.00—"Wiener Blut" (Strauss). 09.00—Hungarian Ensemble; Duets. 09.30—News; Press Review. 10.00—Dance Music. 11.00—Light Music. 12.00—News (Eng.); Music. 12.50—Greetings to India. 13.00—News; Military Band. 14.00—News (Eng., Dutch); Topical. 14.30—Talk; Song-Hits. 15.15-16.00—Talk; Press Review. (19.85 m.; 25.49 m.; 49.83 m.) 15.40—Call (Ger., Eng.); Concert. 16.15—Poems; Songs; Music. 17.15—1937 Review; News. 18.00—Talk (Eng.); Pfte. 19.00—News (Eng.); Talk. 19.30—Press Review. 19.45—Variety. 20.45-21.45—Music; News (Ger., Eng.). (19.74 m.; 25.49 m.; 49.83 m.) 21.50—Call (Ger., Eng.); Songs. 22.45—News; "Wiener Blut" (Strauss). 00.00—Reading; Topical. 00.30—1937 Review; Duets. 01.15—News (Eng., Ger.); Songs. 02.00—News; Songs; Band. 03.30-03.45—News (Eng.).

THURSDAY, Jan. 20

EMPIRE Transmission 1 (GSG, GSO, GSF, GSD, GSB). 08.15—Big Ben; "Do We Understand English?" A. Lloyd James.* 08.30—Schubert's Chamber Music. 09.10—Robb Wilton in "The Court of Not-so-Common, Please!"* 09.25—"Haunting Harmonies." 09.45—"World Affairs." 10.00-10.25—Big Ben; News. Transmission 2 (GSJ, GSH, GSG, GSO, GSF). 10.45—Big Ben; "Catharine Parr," by Maurice Baring.* 10.55—Light British Music.* 11.45—"The Count of Monte Cristo."* 12.15—Theatre Orchestra. 12.30—"At the Black Dog."* 13.00—Yehudi Menuhin (Violin).† 13.15—"World Affairs."* 13.30-13.55—Big Ben; News. Transmission 3 (GSH, GSG, GSF, GSD, GSO to 15.00). 13.55—Opening Announcements. 14.00—Big Ben; BBC Theatre Orchestra.* 14.55—Fred Astaire.†

15.15—The Symphonies of Brahms.* 16.00—Big Ben; News. 16.20—Talk for listeners in India. 16.35-17.00—North Country Music.

Transmission 4 (17.20-21.00 GSG, GSP from 18.45, GSA, GSD, GSB; GSC, 17.20-18.15, Arabic Transmission; 21.15-23.00 GSO, GSC, GSB, GSB†).

17.20—Orchestral Music.† 17.30—"At the Black Dog."* 18.00—Big Ben; News. 18.20—BBC Empire Orchestra. 19.00—Big Ben; "Thirty-two Years a Butler;" talk. 19.15—Peter Dawson (Bass).* 19.45—British Legion Band; Joseph Farrington (Bass). 20.30-21.00—"The Way of Peace;" talk. 21.15—Big Ben; News. 21.35—Excerpt from "Goody Two Shoes," with Binnie Hale. 22.00—Talks. 22.20-23.00—Edvard Grieg's music. Transmission 5 (GSC, GSB, GSB, GSL). 23.20—"The Count of Monte Cristo."* 23.50—North Country Music.* 00.10—"The Way of Peace;" talk. 00.40—News. 01.00-01.30—Big Ben; Charles Brill's Orchestra.

Transmission 6 (GSD, GSC, GSB, GSL). 02.15—Big Ben; Talks.* 02.35—Florence Hooton ('Cello). 02.55—"The Pig and Whistle."* 03.25—News. 03.45-04.15—Big Ben; Guy Eldridge (Organ).

BARCELONA (42.70 m.) 23.00—News (Foreign Languages). (21.35 m.) 00.30-01.30—News (Eng.).

BOSTON (19.67 m.) 19.30—Monitor News. 20.00—Rebroadcast for Europe. (25.45 m.) 21.50—URSIgram; Rebroadcast. 23.00-23.30—Monitor News. (49.67 m.) 00.00—Music; Whaling; Books. 01.00—Economics; Fun and Games. 01.45—"Miss Barton" (C. Bartheaux).

BOUND BROOK (16.87 m.) 14.00—Variety; News. 16.00—News (It.); Music. 17.00—News; Music, etc. 18.00—News (Fr.); Music. 19.00—NBC Music Guild (anncts. Eng., Ger.). 20.00—News (Fr.); Revue des Spectacles; Music. 21.00—News (Ger.); Music. 21.30—Talk (Ger.). 22.00—News; Variety. 23.00-02.00—For S. America (Sp., Port.); News, Music, Variety. (49.18 m.) 02.25-06.00—For S. America (Eng., Sp.); News, Variety, Recordings.

BUENOS AIRES (19.62 m.) 12.00—News; Music; Bargains. (31.06 m.) 14.30—Music; at 17.00, News. 18.00—Markets; Music. 19.00—Calendar; Music; Notes; Humorous Dialogues. 20.00—Play; Music. 22.00—Markets; Music. 23.30—Feature Programmes. 02.30—Chan-Li-Po; Jokes. 03.00-04.30—News; Music; Dance.

CHICAGO (49.18 m.) 22.30—Kogen's Orchestra.

HUIZEN (16.88 m.) For the Dutch Indies. 13.25—Call; Stocks; Talks. 14.20—Variety; Talk; News. (31.28 m.) 00.00-01.30—For the West. 02.00-03.30—For S. America.

LYNDHURST (31.32 m.) 02.35—Records; News; Music. 03.30-07.15—Racing; Music. 08.30—"Watchman;" News. 09.40—News (French); Music. 10.00—Play; Orchestra.

12.00—ABC (Melbourne) Choir. 12.20—Dance Music. 12.30-13.30—News; Dance Music.

MILLIS (31.35 m.) 16.45—Edward MacHugh.

MOSCOW (25 m.) 11.00 and 17.15—Talks, etc. (Ger.). (50 m.) 20.00—Talks, etc. (It., Ger.). 21.00—Talks, etc. (Fr., Sp.). (31.26 m.) 23.00—Programme in Spanish. (31.26 m.; 39.79 m.) 00.00—Programme in English. (50 m.) 01.30—Programme in French. (25 m.) 03.15—Programme in English.

PARIS (Radio-Colonial) (25.24 m.) 07.00—News; Records; Review. 09.40-10.00—News (Eng., It.). (19.68 m.) 11.00—Records; Talk (Sp.). 12.00—News (Eng., Fr.); Music. 14.30—Chamber Music, Songs. 15.55-16.00—Exchange; Markets. (25.24 m.) 16.15—News (Fr., Arab.); Music. 19.00—Radio Journal; News. 20.10—News (Eng., It.). 20.30—To be announced. 22.30—Markets; News (Port.). (25.6 m.) 23.15-01.15—Music; at 00.15—News (Fr., Sp., Port.). 03.00—Records; News. 04.30—News (Eng.); Records. 05.45-06.00—News (Ger.).

PITTSBURGH (19.71 m.) 14.00—Shopping; Variety. 16.45—Edward MacHugh. 17.00—News; Novelties. 17.30—Farm and Home; Variety. 19.30—Home Forum; Music. 20.15—For Women; Music; Clubs. 21.15—News; Clubs; Variety. 23.00—News; Broadway Stars. 23.45—Lowell Thomas. (25.26 m.) 00.00—Variety. 01.00—Gen. Johnson; Songs. 01.30—March of Time. 02.00—News; NBC Concerts. 02.30—Town Meeting. (48.83 m.) 03.30—Variety; Jamboree. 04.00-06.00—News; Music.

PODEBRADY (31.41 m.; 49.92 m.) 18.00—Notes; News and Talk (Ger.); Music. 21.00—News (Fr., Eng.); Music.

ROME (25.4 m.) 10.00—News; Light Music. 11.00—News (Eng.); Concert; Talk; News. 12.30-13.45—For Children; News. 15.00—News; Music; News (Eng.). 16.15—"Don Pasquale" (Donizetti); News. (31.13 m.) 17.21—News, Music (Arabic). 18.00—Talk (Sp.). 18.21—News and Talks (Romanian, Hung., Serb., Fr.). 19.36—News and Talk (Eng.). 19.57—Notes (Fr., Eng., Ger.). 20.00—From Turin (No. 1); Talk (Polish). 22.30—News (Sp., Greek). 23.00—For S. America; News; Music; Mail; News (Sp., Port.). 00.30-02.00—For U.S.A.; News (Eng.); Opera; Talk; News.

SCHENECTADY (19.57 m.) 16.00—David Harum; Variety. 17.30—Farm Programme; Variety. 19.00—NBC Music Guild. 19.30—Alicia Kier; Variety. 20.15—School of Music. (19.57 m.; 31.48 m.) 21.00—Lorenzo Jones; Variety. 22.00—News Tower; Variety. 23.30—News; Stocks. 00.00—Amos 'n' Andy; News (Sp.). 00.30—Science Forum. 01.00—Rudy Vallee. (31.48 m.) 02.00—Good News of 1938. 03.00—Bing Crosby. 04.00-05.00—Orchestras.

SUVA (31.46 m.) 10.30-12.00—Records.

TOKIO (25.42 m.; 31.46 m.) For Europe. 20.00—News (Eng.); Navy Band. 20.30—News (Ger., Fr., Jap.).

VATICAN CITY (19.84 m.) 15.30—Church Notes (Fr.). (50.26 m.) 19.00—Church Notes (Fr.).

WARSAW (22 m.; 26.01 m.) 23.00-01.00—News (Pol., Eng.); Talks; Music; Talk (Fr.).

WAYNE (13.94 m.) 12.30—Variety; at 12.55—News. 14.25-15.00—News; Music. (19.65 m.) 18.00-19.15—Variety; Serenade. (25.36 m.) 19.30—School of the Air. 20.00—Theatre Matinée. 20.30—U.S. Army Band. 21.00—Science Service; Music. 21.45—Questions before Senate. 22.00—Your Melody Corner. 22.30-23.00—News; Dance Music. 23.30-05.00—For S. America (Eng., Sp.); Variety, Music, News, etc.

ZEESEN (16.89 m.; 19.63 m.; 19.74 m.; 31.38 m.; 31.45 m.) 05.05—Call (Ger., Eng.); Music and News. 07.00—News (Eng.); Variety. 09.30—News; Talk (Eng.). 10.00—Variety Concert. 11.00—Light Music. 12.00—News (Eng.); Music. 13.00—News; 1937 Events. 13.45—Songs (R. Strauss). 14.00—News (Eng., Dutch); Talk. 14.30—Music; Talk (Eng., Dutch). 15.00-16.00—Reading; Talk (Eng.). (19.85 m.; 25.49 m.; 49.83 m.) 15.40—Call (Ger., Eng.); Concert. 16.15—Talk; Eng. Harpsichord Music. 16.50—Concert. 17.30—Talk (Eng.); News; Band. 19.00—News (Eng.); Talk; Quartet. 20.15—Talk; Justus von Liebig. 21.00-21.25—News (Ger., Eng.). (19.74 m.; 25.49 m.; 49.83 m.) 21.50—Call (Ger., Eng.); Pfte. 22.15—Recitations; Songs (Strauss). 22.45—News; Music. 23.15—Variety; Topical. 00.30—Talk (Eng.); Heidelberg. 01.15—News (Eng.); Folk Music. 01.45—Talk (Eng.); News; Poems. 02.30-03.45—Folk Music; News (Eng.).

FRIDAY, Jan. 21

EMPIRE Transmission 1 (GSG, GSO, GSF, GSD, GSB). 08.15—Big Ben; "At the Black Dog."* 08.45—R.R.S. Discovery.* 09.05—North Country Music.* 09.30—For New Zealand listeners. 09.50—"Next Week's Programmes." 10.00-10.25—Big Ben; News. Transmission 2 (GSJ, GSH, GSG, GSO, GSF). 10.45—Big Ben; BBC Theatre Orchestra.* 11.40—Talks.* 12.00—Eugene Pini's Tango Orchestra. 12.30—See Tuesday, Trans. 4, 21.35.* 12.45—Dance Hits of To-day.† 13.20—"Next Week's Programmes." 13.30-13.55—Big Ben; News. Transmission 3 (GSH, GSG, GSF, GSD, GSO to 15.00). 13.55—Opening Announcements. 14.00—Big Ben; BBC Empire Orchestra; Edward Isaacs (Pfte.). 15.00—See Tuesday, Trans. 4, 21.35.* 15.15—Irish Guards Band.* 16.00—Big Ben; News. 16.20—"Next Week's Programmes." 16.30-17.00—"Empire Variety Theatre." Transmission 4 (17.20-21.00 GSG, GSP from 18.45, GSA, GSD, GSB; GSC, 17.20-18.15, Arabic Transmission; 21.15-23.00 GSO, GSC, GSB, GSB†). 17.20—The Westminster Players. 17.40—Francis Russell (Tenor). 18.00—Big Ben; News. 18.20—"Next Week's Programmes." 18.30—Dance Music of 1930.† 18.40—Cinema Organ. 19.00-21.00—"Manon" (Massenet). 21.15—Big Ben; News. 21.35—"Next Week's Programmes." 21.45—Nina Joel (Violin). 22.00—Cabaret. 22.40-23.00—Dance Music.

Transmission 5 (GSC, GSB, GSB, GSL). 23.10 - "Do We Understand English?" A. Lloyd James. 23.35 - Dorothy Manley and Myers Foggin (Pftes.). 23.50 - "The Real Robinson Crusoe." 00.30 - "Next Week's Programmes."

Transmission 6 (GSD, GSC, GSB, GSL). 02.15 - English Regimental Marches. 02.30 - Big Ben; Dance Band. 03.00 - Tommy Farr v. James Braddock: Commentary by Bob Bowman.

04.00 (approx.) - News. 04.20 (approx.) - "Next Week's Programmes." BARCELONA (42.70 m.) 23.00 - News (Foreign Languages). BOSTON (19.67 m.) 19.30 - World News. 20.00 - Rebroadcast for Europe. (25.45 m.) 21.50 - URSlgram; Modern Radio. 23.00-23.30 - World News. (49.67 m.) 00.00 - Music; Mail. 00.45 - Pathways to Peace. (25.45 m.) 02.00 - For Latin America (Sp.). (49.67 m.) 03.00 - Rebroadcast.

BOUND BROOK (16.87 m.) 14.00 - Variety; News. 16.00 - News (It.); Variety. 17.00 - News; Variety. 18.00 - News and Talk (Fr.); Variety. 19.00 - News (Ger.); Music Talk. 20.00 - News (Fr.); Variety. 20.30 - Travel Talk (Fr.). 21.00 - News (Ger.); Variety. 21.30 - Talk (Ger.); Variety. 22.00 - News; Songs; Orchestra. 23.00-02.00 - For S. America (Sp., Port.): News, Music, Variety. (49.18 m.) 02.25-06.00 - For S. America (Eng., Sp.): Variety, News, Music.

BUENOS AIRES (19.62 m.) 12.00 - News; Music; Bargains. (31.06 m.) 14.30 - Music; at 17.00, News. 18.00 - Markets; Music. 19.00 - R.C. Hour; Music; Notes. 20.00 - Play; Music. 21.00 - Topical (Eng., Fr., Sp., Ger.). 22.00 - Markets; Music. 23.30 - Feature Programmes. 02.30 - Chan-Li-Po; Jokes. 03.00-04.30 - News; Music; Dance.

CARACAS (31.26 m.; 51.72 m.) 12.00-13.00 - News. 15.30-18.30 - Records and Songs. 20.45 - Music and Songs. 22.15 - For Children; Dancing. 23.00-03.00 - News, etc.; Variety.

CHICAGO (49.18 m.) 23.15 - Marek Weber's Orchestra. 00.15 - Dr. Karl Reiland. HUIZEN (16.88 m.) For the Dutch Indies. 13.25 - Call; Stocks; Review. 14.00 - Film Music; Talk. 14.40 - Film Cocktail 1937-1938. 15.00-15.10 - News.

LYNDHURST (31.32 m.) 02.35 - Records; News; Music. 03.30 - Racing; Music. 05.30 - Cricket; Racing; Music. 08.30 - "Watchman"; News. 09.40 - Talks; Music. 11.15 - Tasmanian Studio Orchestra. 11.45 - "Light Sinister" - Play (Dunn). 12.30-13.30 - News; Music.

MILLIS (31.35 m.) 14.40 - News. 23.45 - Lowell Thomas.

MOSCOW (25 m.) 11.00 and 17.15 - Talks, etc. (Ger.). (50 m.) 20.00 - Talks, etc. (It., Ger.). 21.00 - Talks, etc. (Eng., Ger.). (31.26 m.) 23.00 - Programme in Spanish. (31.26 m.; 39.79 m.) 00.00 - Programme in English. (50 m.) 01.30 - Programme in Portuguese. (25 m.) 03.15 - Programme in English.

PARIS (Radio-Colonial) (25.24 m.) 07.00 - News; Records; Review. 09.40-10.00 - News (Eng., It.). (19.68 m.) 11.00 - Records; Talk (Roum.). 12.00 - News (Eng., Fr.); Music. 14.30 - "La Lépreuse" (Lazzari). 15.55-16.00 - Exchange. (25.24 m.) 16.15 - News (Fr., Arab.); Music. 18.50 - Talks; News. 20.10 - News (Eng., It.). 20.30 - To be announced. 22.30 - Markets; News (Port.). (25.6 m.) 23.15-01.00 - Music; at 00.15 - News (Fr., Sp., Port.). 01.15-03.00 - Records; News. 04.30 - News (Eng.); Records. 05.45-06.00 - News (Ger.).

PITTSBURGH (19.71 m.) 14.00 - Shopping; Variety. 16.45 - Edward MacHugh. 17.00 - News; Variety. 17.30 - Farm and Home. 18.30 - Home Forum. 19.00 - Music Appreciation. 20.00 - Music; DAR; Clubs. 21.15 - News; Clubs; Variety. 23.00 - News; Music; Variety. 23.45 - Lowell Thomas. (25.26 m.) 00.00 - Songs; Talk; Variety. 01.00 - Grand Central Station. 01.30 - Death Valley; Variety. (48.83 m.) 03.00 - To be announced. 04.00 - News; Music. 05.15-06.00 - DX; Orchestras.

PODEBRADY (31.41 m.; 49.92 m.) 18.00 - News (Czech, Ger.); Music. 21.00 - News and Political Review in French; Music. 21.30 - News (Eng.); Music.

RADIO-NATIONS League of Nations Reports: (26.31 m.) 19.00 - Report in English. (32.1 m.) 19.30 - Report in French. 00.30 - Reports (Eng., Sp.).

ROME (25.4 m.) 10.00 - News; Concert. 11.00 - News (Eng.); Opera; News. 12.30-13.45 - Music; News; Talk. 15.00 - News; Music; News (Eng.). 16.15 - Folk Music; News. (31.13 m.) 17.21 - News, Music (Arabic). 18.01 - Talk (Dutch). 18.21 - News and Talks (Romanian, Hung., Serb., Fr.). 19.36 - News (Eng.). 19.57 - Notes (Fr., Eng., Ger.). 20.00 - From Turin (No. 1); Notes (Fr., Eng., Ger.). 22.30 - News (Sp., Greek). 23.00 - For S. America: News; Music; Talk; Italian Lesson; News (Sp., Port.). 00.30-02.00 - For U.S.A.: News (Eng.); Music; News.

SCHENECTADY (19.57 m.) 16.00 - David Harum; Variety. 17.30 - Farm Programme; Variety. 19.00 - NBC Music Appreciation. 20.00 - Radio Guild. (19.57 m.; 31.48 m.) 21.00 - Lorenzo Jones; Variety. 22.00 - News Tower; Variety. 23.00 - Education; Rhythm. 23.30 - News; Spanish Talk. 00.00 - Amos n' Andy; Uncle Ezra. 00.30 - Stocks; News (Sp.); Songs. 01.30 - Farm Forum. (31.48 m.) 02.00 - Waltzes; Literature (Sp.). 03.00 - First Nighter. 03.30 - Hollywood Gossip. 03.45 - News; Orchestra. 04.30-05.00 - To be announced.

SUVA (31.46 m.) 10.30-12.00 - Records.

TOKIO (25.42 m.; 31.46 m.) For Europe. 20.00 - News (Eng.); Talks (Jap., Eng.). 20.30 - News (Ger., Fr., Jap.).

VATICAN CITY (19.84 m.) 15.30 - Church Notes (Ger. or It.). (50.26 m.) 19.00 - Church Notes (Ger.).

WARSAW (22 m.; 26.01 m.) 23.00-01.00 - News, etc. (Pol., Eng.); Talk; Songs; Poems; Talk (Eng.); Music.

WAYNE (13.94 m.) 12.30 - Variety; News. (19.65 m.) 18.00-19.15 - Variety; For Women. (25.36 m.) 19.30 - School of the Air. 20.00 - Revue; Organ; Music. 21.00 - Chicago Varieties; Music. 21.45 - Dr. Dafoe; Talk; Music. 22.30-23.00 - News; Dance Music. 23.30-05.00 - For S. America (Eng., Sp.): News; Variety; Music, etc.

ZEESEN (16.89 m.; 19.63 m.; 19.74 m.; 31.38 m.; 31.45 m.) 05.05 - Call (Ger., Eng.); Music. 07.00 - News (Eng.); Talks (Eng., Ger.). 08.15 - Band; Harpsichord. 09.30 - News; Music. 12.00 - News (Eng.); Music. 13.00 - News; Quartet. 14.00 - News (Eng., Dutch); Talk. 14.30-16.00 - Poems; Variety. (19.85 m.; 25.49 m.; 49.83 m.) 15.40 - Call (Ger., Eng.); Music. 17.15 - Talk (Afrikaans); Names. 17.30 - Talk; News; Cabaret. 18.30 - Symphony (Mozart). 19.00 - News (Eng.); Talk; Violin. 19.45 - Variety. 21.00-21.25 - News (Ger., Eng.). (19.74 m.; 25.49 m.; 49.83 m.) 21.50 - Call (Ger., Eng.); Talk. 22.15 - Eng. Harpsichord Music; Light Music; News. 23.00 - "Justus von Liebig" - Sequence. 23.45 - Band; Talk; Folk Dances. 01.15 - News (Eng.); Folk Songs. 01.45 - Talk; News; Quartets. 03.00-03.45 - Band; News (Eng.).

SATURDAY, Jan. 22

EMPIRE Transmission 1 (GSG, GSO, GSF, GSD, GSB). 08.15 - Big Ben; "London Log." 08.25 - BDC Empire Orchestra: Gaby Vallé (Soprano). 09.15 - "Thirty-two Years a Butler;" talk.* 09.30 - Peter Dawson (Bass)*. 10.00-10.25 - Big Ben; News. Transmission 2 (GSJ, GSH, GSG, GSO, GSF). 10.45 - Big Ben; "The Pig and Whistle." 11.15 - Isidore Schawiller's String Sextet. 11.45 - Records. 12.21 - "Empire Variety Theatre." 12.50 - "London Log." 13.00 - Theatre Orchestra. 13.30-13.55 - Big Ben; News. Transmission 3 (GSH, GSG, GSF, GSD, GSO to 15.00). 13.55 - Opening Announcements. 14.00 - Big Ben; Luigi Vosselli and his Hungarian Orchestra. 14.30 - "At the Black Dog." 15.00 - Dance Band.* 15.30 - F.A. Cup match, fourth round. 16.30-17.00 - Big Ben; News. Transmission 4 (17.20 - 21.00 GSG, GSP from 18.45, GSA, GSD, GSB; GSC, 17.20-18.15, Arabic Transmission; 21.15-23.00 GSO, GSC, GSB, GSB). 17.20 - "London Log." 17.30 - Jack Payne's Band. 18.00 - Big Ben; News. 18.30 - Military Band. 18.45 - See Trans. 3, 15.30.* 19.10 - Big Ben; Part Songs by Mendelssohn. 19.30 - "In Town To-night." 20.00-21.00 - Variety. 21.15 - Big Ben; News. 21.45 - Ice-Hockey: Wembley Lions v. Harringay Racers. 22.05 - "At the Black Dog." 22.35-23.00 - Dance Music.

Transmission 5 (GSC, GSB, GSB, GSL). 23.20 - Variety.* 00.20 - "Ice-Hockey in Great Britain." 00.30 - "Catherine Parr," by Maurice Baring.* 00.40 - News. 01.10-01.30 - Philip Levi (Pfte.). Transmission 6 (GSD, GSC, GSB, GSL). 02.15 - Gilbert Stacey's Sextet. 02.30 - "At the Black Dog." 03.00 - See 02.15 (contd.). 03.15 - "London Log." 03.25 - News. 03.55-04.15 - See Trans. 3, 15.30.*

BARCELONA (42.70 m.) 23.00 - News (Foreign Languages).

BOSTON (25.45 m.) 22.00 - Rebroadcast. 23.00-23.30 - World News.

BOUND BROOK (16.87 m.) 14.00 - Breakfast Club. 14.40 - News; Variety. 17.00 - News; Variety. 18.00 - News (Fr.); Variety. 18.55-23.00 - Metropolitan Opera House - a full-length Opera; at 22.00 - News. 23.00-02.00 - For S. America, 23.00 - Orchestra. 23.30 - News (Eng.); Songs; Music. 00.15 - Variety. 00.45 - Jean Sablon. 01.00 - Musical Variety. 01.30 - News (Eng.); Nola Day. (49.18 m.) 02.25-05.00 - For S. America. 02.25 - Programmes. 02.30 - Barn Dance. 03.00 - NBC Symphony Orchestra. Conductor: Toscanini. 04.30 - News (Sp. or Port.); Music. 05.00-06.00 - For New Zealand, Australia, Far East and S. America: Recordings of Special Events.

BUDAPEST (32.88 m.) 11.00-00.00 - Band; News; Songs; Poetry; Music; Talk.

BUENOS AIRES (19.62 m.) 12.00 - News; Music; Bargains. (31.06 m.) 14.30 - Music; at 17.00 - News. 18.00 - Markets; Music. 19.00 - Calendar; Music; Notes. 20.00 - Play; Music. 22.00 - Markets; Music. 23.30 - Feature Programmes. 02.00-04.30 - Radio Stars.

CARACAS (31.26 m.; 51.72 m.) 12.00-13.00 - News. 15.30-18.30 - Records and Songs. 20.45 - Music and Songs. 22.15 - For Children; Dancing. 23.00-03.00 - News, etc.; Variety.

CHICAGO (49.18 m.) 22.00 - The Little Show. 23.45 - Soloist. 05.05 - Dance Band.

HUIZEN (16.88 m.) 13.25 - Anthem; Call; Talk. 13.45 - Variety; at 14.00 - Talk. 14.30 - News; Newcomers. 14.55-15.25 - From Rotterdam.

LYNDHURST (31.32 m.) 02.35 - Records; News; Music. 03.30 - Racing; Music. 05.30 - Cricket; Racing; Music. 08.30 - Records; Sports. 09.00 - Mail; Music. 09.20 - News; Sports. 10.00 - Variety; Music. 12.30 - News; Mail; Music.

MILLIS (31.35 m.) 23.25 - Sports - Bill Williams. 02.00 - National Barn Dance.

MOSCOW (25 m.) 11.00 and 17.15 - Talks, etc. (Ger.). (50 m.) 20.00 - Talks, etc. (It., Ger.). 21.00 - Talks, etc. (Fr., Sp.). (31.26 m.) 23.00 - Programme in Spanish. (31.26 m.; 39.79 m.) 00.00 - Programme in English. (50 m.) 01.30 - Talks, etc., in French. (25 m.) 03.15 - Programme in English.

PARIS (Radio-Colonial) (25.24 m.) 07.00 - News; Records; Review. 09.40-10.00 - News (Eng., It.). (19.68 m.) 11.00 - Music; Talk (Yugoslav). 12.00 - News (Eng., Fr.); Music. 14.30 - Revue (Brive); Songs. (25.24 m.) 16.15 - News (Fr., Arab.); Music. 18.50 - Talks; News. 20.10 - News (Eng., It.). 20.30 - To be announced. 22.30 - Markets; News (Port.). (25.6 m.) 23.15-01.15 - Music; at 00.15 - News (Fr., Sp., Port.). 00.00 - Records; News. 04.30 - News (Eng.); Records. 05.45-06.00 - News (Ger.).

PITTSBURGH (19.71 m.) 14.00 - Variety; at 14.55 - News. 16.30 - Our Barn. 17.00 - News; Novelties. 17.30 - Farm and Home; Clubs.

18.55 - Metropolitan Grand Opera. 22.00 - News Reeler; Music. 23.00 - News; Melody; High Hata. (25.26 m.) 00.00 - Message of Israel. 00.30 - Uncle Jim; Orchestra. 01.30 - Spelling Bee; Barn Dance. (48.83 m.) 03.00 - NBC Symphony Orchestra. Conductor: Toscanini. 04.30 - News; Orchestras. 05.15-06.00 - Far North Messages.

PODEBRADY (31.41 m.; 49.92 m.) 18.00 - News (Czech, Ger.); Political Review; Variety. 21.00 - News (Fr., Eng.); Variety.

ROME (25.4 m.) 10.00 - News; Opera (Zandonai). 11.00 - News (Eng.); Folk Music; News (Jap., It.). 12.30-13.45 - Opera; News; Talk. 15.00 - News (It., Fr.); Music; News (Hindu., Eng.). 16.15 - Sports; Music; News. (31.13 m.) 17.21 - News, Music (Arabic). 18.01 - Talk (Esperanto). 18.21-18.35 - News (Hung.). 18.55 - News (Serb., Fr.). 19.36 - News (Eng.). 19.57 - Notes (Fr., Eng., Ger.). 20.00 - From Turin (No. 1); Talk (Ger.); Notes (Fr., Eng., Ger.). 22.30 - News (Sp., Greek). 23.00 - For South America: News; Opera; Music; Talk; News (Sp., Port.). 00.30-02.00 - For U.S.A.: News (Eng.); Music; Talk; News.

SCHENECTADY (19.57 m.; 31.48 m.) 16.00 - Variety. 18.55 - Metropolitan Opera. 22.00 - Top Hatters; Variety. 23.00 - Spanish Revue. 23.30 - News; Music; Religion. 00.30 - Stocks; Ripley; Log Cabin. (31.48 m.) 02.00 - Music; "Special Delivery." 03.00 - NBC Symphony Orchestra. Conductor: Toscanini. 04.30-05.00 - Orchestra.

SUVA (31.46 m.) 10.30-12.00 - Records.

TOKIO (25.42 m.; 31.46 m.) For Europe. 20.00 - News (Eng.); Variety. 20.30 - News (Ger., Fr., Jap.).

VATICAN CITY (19.84 m.) 15.30 - Church Notes in various Languages. (50.26 m.) 19.00 - See 15.30.

WARSAW (22 m.; 26.01 m.) 23.00-02.00 - News (Pol., Eng.). Talks; Music; Talk (Eng.).

WAYNE (13.94 m.) 13.00 - Variety. 16.00 - Cincinnati Conservatoire of Music. 17.00 - Dance Music. (25.36 m.) 19.30 - Organ; Merry-makers. 20.15 - Waltzes of the World. 21.15 - Dance Music; Songs. 22.00 - Story of Industry. 22.30-23.00 - Console Moods. 23.30-05.00 - For S. America: Music, Variety, News, etc.

ZEESEN (16.89 m.; 19.63 m.; 19.74 m.; 31.38 m.; 31.45 m.) 05.05 - Call (Ger., Eng.); Music. 06.00 - News; Music. 07.00 - News (Eng.); Talk; Dances. 09.00 - Play; News; Music. 12.00 - News (Eng.); Light Music. 13.00 - News; Army Band. 14.00 - News (Eng., Dutch); Talk. 14.30-16.00 - Variety. (19.85 m.; 25.49 m.; 49.83 m.) 15.40 - Call (Ger., Eng.); Concert. 16.15 - Play; Music; Talk. 17.45 - News; Variety. 19.00 - News (Eng.); Topical. 19.30 - Dance Music. 21.00-21.25 - News (Ger., Eng.). (19.74 m.; 25.49 m.; 49.83 m.) 21.50 - Call (Ger., Eng.); Play. 22.30 - Genealogy; News. 23.00 - Symphony (Mozart). 23.30 - Dance Music. 01.15 - News (Eng.); Violin. 01.45 - Folk-Lore; News; Variety. 03.30-03.45 - News (Eng.).

Long and Medium Wave Programmes

SUNDAY JANUARY 16

NATIONAL

Time Signals: Big Ben, 12.30, 10.45 p.m. Greenwich, 10.30 a.m., 4.0, 9.0 p.m. D = Droitwich.

9.30-10.15 a.m. (D)—Service (C. of E.), from H.M.S. Osprey.

10.30-10.45 (D)—Weather Forecast.

12.30 p.m. (D)—Light Orchestra.

1.30 (D)—Victor Olof Sextet.

2.0 (D)—"In Your Garden:" D. B. Crane and C. H. Middleton.

2:20 (D)—BBC Orchestra (Section C): Tom Williams (Baritone).

3.20 (D)—Records.

4.0—"The Meaning of Worship:" talk.

4.20—BBC Military Band.

5.0—"Signposts to God:" the Dean of St. Paul's.

5.20—Chamber Music: New London Trio.

6.15—A Sailor's Life 100 Years Ago.

6.30—Fred Hartley's Sextet.

7.0—"Manners Makyth Man."

7.30—James Bell (BBC Theatre Organ).

8.0—Studio Service.

8.45—Appeal on behalf of The Seamen's Mission.

8.50—The News.

9.5—"Sullivan and German:" Pot-Pourri.

10.0—Peter Dawson (Bass).

10.30—Epilogue.

REGIONAL

Time Signals: Big Ben, 12.30, 10.45 p.m. Greenwich, 4.0, 9.0 p.m.

12.30 p.m. (ex. Midland, Western)—National.

2.0 (Scottish)—Philip Halstead (Pfte.).

2.20 (Scottish)—National.

4.0 (ex. Western)—Brass Quintet.

4.0 (Western)—Songs.

4.20—"Music of the Week:" talk.

4.30 (ex. Welsh)—For Older Children.

4.30 (Welsh)—Welsh talk.

4.50 (Welsh)—Organ music.

5.0 (ex. Midland, Welsh, N. Ireland)—Troise and his Mandoliers.

5.0 (Midland)—Coventry Colliery Band: Sylvia Roth (Soprano).

5.0 (N. Ireland)—Quintet.

5.20 (Welsh)—Welsh short story.

5.30 (ex. Midland, Welsh, Scottish)—Short story.

5.30 (Scottish)—"Is one religion as good as another?" talk.

5.40 (Welsh)—BBC Welsh Orchestra: Gwladys Williams (Contralto).

5.45 (Midland)—Theatre Orchestra.

5.50 (ex. Midland, Northern, Welsh)—Montague Brearley's Orchestra.

5.50 (Northern)—Light music.

6.30 (ex. Western, N. Ireland)—BBC Orchestra (Section B) conducted by Willem Mengelberg.

6.30 (Western)—Records.

6.30 (N. Ireland)—Songs.

6.55 (N. Ireland)—Service (C. of Ireland).

7.30 (Western)—Winifred Davey (Pfte.).

7.55 (N. Ireland, 8.0)—Services.

8.45—Appeals.

8.50—The News.

9.5 (ex. Welsh)—"Jane's Legacy:" comedy by Eden Phillpotts.

9.5 (Welsh)—Welsh hymns sung by Welshmen in Birmingham.

9.35 (Welsh)—Welsh Talks.

9.55 (Welsh)—Songs.

10.20 (ex. Western)—Reading.

10.20 (Western)—Talk by the West of England Regional Director.

10.30—Epilogue.

Hours of Transmission in Greenwich Mean Time.

DUTCH NATIONAL HOLIDAY (the Day following the Royal Birth)

Special AVRO Programme if falling on Monday, Wednesday, Friday or Saturday:—

HILVERSUM (No. 1) (Holland)
160 kc/s (1,875 m.); 150 kW. Also on Lopikerkapel, 722 kc/s (415.4 m.); 17 kW.

7.40 a.m.—Time; Speech; Anthem.

7.43—Address by Major de Bas.

8.10—"Oranje-Nassau" — Cantata. The Hague Teachers' Choral Society and a Military Band. Conductor: Capt. C. L. Walther Boer.

8.40 — Running Commentary on the Festivities.

9.10—Records, Organ, Songs.

9.40—Time; Service.

9.55—Organ, Songs, Records.

10.25—"The House of Oranje" — Historical Play (Schröder).

11.10—Commentary on the Festivities or Protestant Service.

11.40—AVRO Orchestra. Conductor: Treep; Soprano; Sailors' Chorus.

12.35 p.m.—"A Princely Romance" —Records.

1.20 — Programme from the Dutch Indies: M. van Boven's Impressions of how the Dutch Indies received the Joyful News; Records.

2.10—Dutch Concert. Conductor: van Raalte; Zimmermann (Violin); Julie de Stuers (Soprano).

3.10-3.40—Address by Maître E. J. Thomassen à Thuessink van der Hoop van Slochteren.

3.40 till Close—Programme as before.

Special AVRO Programme for the National Holiday if falling on Tuesday or Thursday.

7.40 a.m.-3.40 p.m.—Programme as before.

3.40—Time; Address by Major W. G. de Bas.

4.10—Palla (Organ); Baritone.

4.40 — "Oranje-Nassau"—Cantata. The Hague Teachers' Choral Society and a Military Band. Conductor: Capt. C. L. Walther Boer.

5.10—Dutch Concert. Orchestra. Conductor: van Raalte; Zimmermann (Violin). Julie de Stuers (Soprano).

6.10 — Running Commentary on the Festivities.

6.30—Address by Maître E. J. Thomassen à Thuessink van der Hoop van Slochteren.

7.0—VPRO Programme.

7.40—Time; News; Records.

7.55—"A Princely Romance"—Records.

8.40—"The House of Oranje"—Historical Play (Schröder).

9.25—AVRO Orchestra. Conductor: Treep; Soprano; Sailors' Chorus.

10.20 — Programme from the Dutch Indies: M. G. A. van Boven's Impressions of the Reception of the Joyful News in the Dutch Indies.

10.40—News; Running Commentary on the Festivities.

11.10-11.40—Records.

SERVICES—SACRED MUSIC

A.M.
9.0 Kalundborg: Service.
10.0 Italian stations: Mass.
12.0 (noon) Radio-Paris: Address.
P.M.
5.0 Stockholm: Evensong.

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—Variety in Irish by the Keating Branch Gaelic League.

6.30—Browner (Bass).

6.45—Scenes from "Henry IV" (Shakespeare), presented by Longford Productions. Introductory Talk by Lord Longford.

7.20—Ceol Cumann Programme, with Irish Radio Orchestra.

8.20—Sports Review by Brennan.

8.30—Antonio Brosa (Violin) and Jan van der Gucht (Tenor), from University College, Cork.

9.30—Variety.

10.30—Five Minute Appeal.

10.35—News.

10.45—Gaelic Sports Talk by O'Cealachain.

11.0—National Anthem.

BARCELONA (EAJI) (Spain)

795 kc/s (377.4 m.); 7.5 kW. Transmits at intervals from 8.0 a.m.

4.30 p.m.—Records.

6.0—Time; Dance Music.

7.0—Topical; Song Records.

8.0—Records.

9.0—Time; News.

9.15 — Topical; Records: Light Music.

10.0—Time; Records.

11.0—Topical Talk.

11.15-12.0 m't.—News in Foreign Languages.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW.

5.0 a.m.—Call; Weather; Gym.

5.30—Concert from Hamburg.

7.0—Gym; Records.

7.55—Chimes and Service from Potsdam Garrison Church.

8.30—Religious Address (Recorded).

9.0—Weather.

9.5—Light Music. Derksen Band. Hans Priegnitz and Josef Ingenbrand (Pftes.).

10.0—With the KdF to Italy—Reports (Recorded).

10.50—Records: Italian Folk Songs.

11.0—Glahe and Raatzke Bands. Hans Bund (Pfte.).

1.0 p.m.—Greetings; Records.

2.0—Echoes from the Kurmark.

2.30—Krepela Sextet.

3.0—Variety Concert. Station Orchestra. Conductor: Steiner. Freundorfer Instrumental Quartet. Betty Sedlmayr, etc.

5.0—Light Music. Jungherr Accordion Band. Krepela Sextet.

6.0—News; Sports.

6.25—Talk on the following Opera.

6.30 — "Carmen" (Bizet). Station Choir and Orchestra. Conductors: Weigel and Heinrich Steiner. Children's Choir. Helge Roswaenge. Rudolf Bockelmann. Hans Müller. Josef Burgwinkel. Wilhelm Strienz. Georg Höllger. Inger Karen. Tiana Lemnitz. Hildegard Erdmann. Margarete Heyer.

9.0—News; Sports.

9.30-11.55—See Deutschlandsender.

BEROMÜNSTER (Switzerland)

556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.).

9.0 a.m. — Roman Catholic Address; Organ.

9.45—Old Sacred Music by the "Pro Arte" Choir of La Chaux-de-Fonds.

10.10—Records: Chamber Music.

10.30—Ernst Zahn reads from his Novel, "Die Hochzeitsreise."

11.0—Radio Orchestra. Conductor: Bernhard.

11.30—News.

11.40—Orchestra (contd.).

12.30 p.m.—Cookery.

12.50—Romansch Songs by the "Cor viril grischum Turigt."

1.20-2.0—Records.

4.0—Chamber Music.

4.35 — Protestant Address in Romansch.

5.0—Records of Sacred Music.

5.15 — Lecture-Recital with Records: Latvia.

6.0—Records: Schiller's "Ode to Joy," Choral Finale of Beethoven's Ninth Symphony.

6.20—Talk: Schiller, the Poet of Liberty.

6.45—News; Sports.

7.0—Felix Pfirnstinger Concert.

8.15—Talk: Wilhelm Schäfer and Switzerland.

8.35—Reading from the Pestalozzi Biography, "Lebenstag eines Menschenfreundes" (Wilhelm Schäfer).

9.0—Radio Orchestra. Conductor: Bernhard.

9.30-9.40—News; Programmes.

BORDEAUX-LAFAYETTE

(France)
1,077 kc/s (278.6 m.); 35 kW. Transmits at intervals from 7.0 a.m.

8.30 p.m.—"The Pearl Fishers" (Bizet), from the Grand Theatre. After the Programme—News.

BRATISLAVA (Czechoslovakia)

1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 5.45 a.m.

4.0 p.m.—Folk Programme from Uhrovec.

5.0—Hungarian Transmission: Talk; Folk Songs by a Hungarian Choir.

5.45—Sports Notes.

5.50-6.25—See Prague.

6.25—Military Band. Conductor: Langer.

7.5—"Der zerbrochene Krug" (The Broken Pitcher)—Comedy (Kleist) from Kosice.

8.0-10.30—See Prague; at 9.20-9.35 —News (Hungarian).

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz and Görlitz, 1,231 kc/s (243.7 m.).

5.0 a.m.—See Hamburg.

7.0—Motto; Records.

7.50—News; Greetings.

8.0—For Hitler Youth.

8.30—Henry Purcell Songs by Werner Drosihn (Baritone).

9.0—Beuschel Band. The Three Akriyeros (Accordions).

10.0—"The Calendar" — Literary and Musical Sequencé (Wintzen).

10.45—Records; Weather.

11.0—See Berlin; at 12 noon, Report: The Silesian SA Winter Sports Contests.

1.0 p.m.—News.

1.10—Health Talk (Recorded).

1.30 — Winter Relief Fund Concert. Station Choir and Orchestras. Conductors: Rietz, Topitz and Weiss-haupt. Military Band. Conductor: Engel. Hitler Youth Choir. Grete Müller - Morelli (Soprano), Ruth

SUNDAY (January 16)

Herell (Coloratura Soprano), Alexander Flessburg (Tenor), Carl Graumann (Tenor), F. Kichel (Tenor), Vladimir Pogorelov (Balalaika), Willi Liebe (Cornet), The Three Akrieros (Accordions), Aldo Ferraresi (Violin), etc.

2.30—Talk by Jutta Rüdiger, National BDM Leader (Recorded).

3.0—Concert (contd.).

5.0—Alfred Prugel reads.

5.30—Sports.

6.0—News.

6.10—Concert (contd.).

9.0—News; Sports.

9.30-11.0—Concert (contd.).

BRNO (Czechoslovakia)
922 kc/s (325.4 m.); 32 kW.
Transmits at intervals from 5:45 a.m.

10.20 a.m.—Station Orchestra. Conductor: Plichta. Olšovský (Tenor). Romantic Overture (Palkovsky). Songs (Petzelka). Fantasy (Tausky).

11.0 a.m.-12.50 p.m.—See Prague.

12.50—For Farmers.

1.5-1.30—For Farmers (German).

2.30-10.30—See Prague.

BRUSSELS (No. 1) (Belgium)
620 kc/s (483.9 m.); 15 kW.

6.30-10.0 a.m.—Records; Gym; News.

10.0—Loiseau Orchestra.

10.30—Pfte. Recital.

10.45—Belgian Music by the Loiseau Orchestra. March, Bravoure et gaieté (Vetsy). Idylle (Langlois). Au trot de mon âne (Caludi). Petite Suite (Kalkman). Pallito (Caty). Presque une berceuse (Jongen). Marche du Vieux-Bruxelles (Leemans).

11.15—Cabaret and Music-Hall Records.

11.30—Loiseau Orchestra. Petite Suite (Coleridge Taylor). Soir de fête à La Havane (Filipucci). Hungarian Dance (Brahms); at 11.45—Do you know this . . . ?

12.0 noon—Jean Collot (Organ) and Franz Wigy (Violin). Choral (Bach). Violin: Chaconne (Vitali-Chaumont). Berceuse (Vierne). Violin: Prelude in E (Bach). Pastorale (Collot). Toccata (Gigout).

12.30 p.m.—Weather; Shipping.

12.35—"Caprice Viennois" Cigány Band; at 1.0-1.10—Time; News.

1.35—Art Notes.

1.40—For Farmers.

2.0-2.15—Old Songs by Georges Villier (Baritone).

2.30—Jean and Jean (Duets).

3.0—François Rasse Festival from the Royal Conservatoire, Liège. Conductor: The Composer. Claudine-Marie Boons (Songs). Julitta Cassiers-Renchon (Pfte.). Ode à la musique. Une vie. Voix de la Terre et du Temps. Pfte. and Orchestra: Poème concertant. Chants de la Terre; at 4.20-4.35—Talk; Record.

5.35—Football Results.

5.40—Record: A Night in Venice (Strauss).

5.45—Records.

6.0—For Young People.

7.0—Religious Address.

7.15—Records.

7.30—News.

8.0—Time; Radio Variety.

8.35—Marionette Scenes, by Anne-Marie Ferrières, Marcel Josz, Léane and Edgar Willy.

8.50—Radio Variety (contd.).

9.20—Scenes, "Topaze"—Play (Pagnol) (Recorded).

9.35—Variety.

10.0—News.

10.10—Records: Overture, "Susanna's Secret" (Wolf-Ferrari).

10.20—Act II, "Tosca" (Puccini) (Recorded).

11.0 p.m.-12.0 m't.—Light Music and Dance Music. Brenders Dance Band, Lise Coliny and Théo Parlon.

BRUSSELS (No. 2) (Belgium)
932 kc/s (321.9 m.); 15 kW.
Programme in Flemish.

6.30-9.5 a.m.—Records; Gym; News.

9.5—Opera Records. Leonora Overture No. 1 (Beethoven) by the Concertgebouw Orchestra. Conductor: Mengelberg. Acts I and II, "Der Rosenkavalier" (R. Strauss) by the Vienna Opera Choir and Vienna Philharmonic. Conductor: Roger Heger. Cast: Lotte Lehmann, Richard Moyr, Marie Olszewski, Victor Madin, Elisabeth Schumann, Anne Michalsky, Hermann Gallos and Bella Paalen.

10.15—Vaes (Cinema Organ), from the Roxy Theatre, Antwerp.

11.0—Records.

11.30—Céline Bauwens (Pfte.). Sonata in E minor (Grieg). Etude in E (Chopin).

11.50—Periodicals; Records.

12.31 p.m.—Light Orchestral. Conductor: Walpot. Frans Gilman (Flute); at 1.0-1.10—News.

1.30-2.0—Song Records.

2.15—Request Records.

2.45—The Kreutzer Sonata (Beethoven) by Georges Mariël (Violin) and Saint-Pol Hou (Pfte.).

3.15—Sylvain Hamy and Georges Martin (Pfte. Duets) and Jan Steurs (Accordion).



Madame Claudine-Marie Boons, singer in the François Rasse concert at Brussels No. 1 at 3 p.m.

4.0—Temmerman Orchestra from the Century Hotel, Antwerp.

4.30—For Children.

5.15—Temmerman Orchestra (contd.); at 5.30—Sports.

6.0—"Toen Cyriel Buysse met Guustje Donckers auto reed"—Play after Buysse (Stella De-Meyer).

6.20—Suite Marocaine (Delmas) by the Orchestra. Conductor: Walpot.

6.40—Record: Prelude and Choral (Bach).

6.45—Religious Address by the Rev. Father De Pauw, O.P.

7.0—Light Orchestral. Conductor: Walpot. Overture, "The Drum-major's Daughter" (Offenbach). Capricieuse (Van Doren). The Hurdy-gurdy (Candiola). Murmure des sources (Capri). Slav Idyll (Ackermans).

7.30—Books and Films.

8.0—I.N.R. Symphony Orchestra. Conductor: Dejoncker. Edmond Harvant (Violin). Suite No. 1 from "L'Arlésienne" (Bizet). Le matin (Duvosel). Poème en forme de rhapsodie (Candaël).

8.45—Jan Peeters (Poems).

9.0—Orchestra and Violin (contd.). Overture, "The Secret Marriage"

(Cimarosa). Violin Concerto in E minor (Mendelssohn).

10.0—News.

10.10—Dance Music from the Torenkelder, Antwerp.

11.15 p.m.-12.0 m't.—Records. Fortissimo (Kálmán). Operetta Potpourri (Eisemann). Waltz, Künstlerleben (Joh. Strauss). Broadway Potpourri (Gottler). Waltz, "A Waltz Dream" (O. Straus). Song, "Frau Luna" (Lincke). Selection, "The Rose of Stamboul" (Fall).

BUCHAREST (Romania)
823 kc/s (364.5 m.); 12 kW.
Relayed by Radio-Romania, 160 kc/s (1,875 m.).
Transmits at intervals from 5.30 a.m.

7.55 a.m.—Chimes; Service; Address.

11.0—Time; News; Sports; Water Level.

11.10—Dinico Orchestra; at 12.10-12.30 p.m.—Time; News.

12.45—Humorous Talk.

1.0—For Peasants.

4.0—Time; Weather.

4.2—Military Band.

5.0—Medical Talk.

5.15—Dance Records.

5.45—Talk.

6.0—Children's Songs—Choir.

6.30—Dramatic Programme.

7.30—Dance Records.

8.0—News.

8.10—Operetta Music—Radio Orchestra. Conductor: Bobesco; at 8.30-8.45—Sports.

BUDAPEST (No. 1) (Hungary)
546 kc/s (549.5 m.); 120 kW.

8.30 a.m.—News.

9.0—Reformed Church Service.

10.0—Roman Catholic Service.

11.30—Opera Orchestra. Conductor: Rajter. Overture (Hubay). Suite, "L'Arlésienne" (Bizet). La Boîte à soldats (Brenta). Suite, Children's Corner (Debussy). Ballet Music (Hüvös).

1.0 p.m.—Records.

2.0—For Farmers.

2.45—Bodrics Cigány Band.

3.30—Programme by Gyula Földessy.

4.0—Variations on a Beethoven Theme (Saint-Saëns), by Ernő Ketter and Magda Vásárhelyi (Pftes.).

4.20—Talk.

4.45—Recital by György Dénes and Sándor Pethes from the Music Academy.

6.50—Sports.

7.0—Station Orchestra. Conductor: Bertha. György Farago (Pfte.), Miklós Fehér (Violin) and Gyula Revere (Harp). Selection, "Waltzes from Vienna" (Strauss-Bittner-Korngold). Violin: (a) Old Viennese Waltz (Hubay), (b) Viennese Caprice (Kreisler). Waltz, "Die Fledermaus" (Strauss-Dohnanyi). Pfte. Concerto in E flat (Gelhardt). Blues (Harsányi). Trikfilm (Polgár). Foxtrot (Ravel). Harp: (a) Liebe und die Moral (Schwartz), (b) Piece (Kern). Waltz (Waldeufel).

8.25—News.

8.50—Kurina Cigány Band.

9.45—Orchestra. Conductor: Müller. March, The Star-spangled Banner (Sousa). Overture, "Pesther Frauen" (Lehár). Wedding Waltz (Lincke). Spring Serenade (Lacombe). Polka (Desormes). Potpourri (Pécsi).

11.5—News.

BUDAPEST (No. 2) (Hungary)
359.5 kc/s (834.5 m.); 18 kW.

10.30 a.m.—Budapest Salon Orchestra.

2.0 p.m.—Records.

4.20—Ernő Ketter and Magda Vásárhelyi (Pftes.).

7.0—Dance Records.

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

5.0 a.m.—Concert.

7.0—Weather; Water Level; Reading.

7.15—Hans Hilgers (Organ).

7.30—Hitler Youth Choir.

8.0—Service.

8.30—Records.

9.30—Records of Authors.

10.15—Contemporary Music, Soprano, Violin, Cello, and Pfte.

10.45—Dr. Toni Winkelnkemper, the Station Director, at the Microphone.

11.0—Light Music by Cologne Composers. Station Orchestra. Conductor: Eysoldt. Hugo Welfing (Tenor). Karussell (Huppertz). Reigen (Spies). Songs (Häuser). Serenade in D flat (Meyer). Songs (Kowalski, Eysoldt). Italian Serenade (Heuser). Kleine Dorfmusik (Unger). Waltz, Blauer Himmelsbogen (v. d. Berg). Suite, Ein kleines Blumenkonzert (Kauffmann). Cuban Serenade (Mausz). Mir geht's gut (Roonthal). Ich schau' so gern in deine Augen (Eysoldt).

12.0 noon—Greetings.

12.5 p.m.—Orchestral and Instrumental Quartet. Hugo Welfing (Tenor).

1.0—"Ein Wintermärchen"—Fairy Play.

1.30—Hints and Talks for Everyone.

2.0—Report: The Work of the Hitler Youth in Central Rhineland.

2.40—Report: The Tenth Anniversary of the National Socialists' Students' Society in Bonn.

3.0—Variety Concert. Hagestedt Orchestra. Edith Heimbach-Rego (Soprano). Eric Helgar (Tenor). The Six Merry Singers. Bund Pfte. Duo and Emil Franz (Xylophone) (Recorded).

5.0—Horse versus Locomotive — A Scene.

5.15—Academy of Music — Radio Workers' Ensemble.

6.0—News.

6.10—"Lob der Gemeinschaft"—Cantata (Höffer) from the Gürzenich. Station Choir and Orchestra, Collegium Musicum, University, Soldiers' and Workers' Choirs, etc. Conductor: Rudolf Schulz-Dornburg.

7.30—Station Orchestra. Conductor: Rudolf Schulz-Dornburg. Egmont Overture (Beethoven). The Haffner Symphony (Mozart). Variations on a Haydn Theme (Brahms).

8.20—Light Music and Dance Music by the Hans Bund Band, Barnabas von Géczy, Gaden, Lutter and Busch Bands (Records).

9.0—News.

9.30-11.0—Hagestedt Dance Band and the Six Merry Singers.

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

5.0 a.m.—See Hamburg.

7.0—Weather; Records.

7.20—At the Roter Ochs, Sassenfeld.

8.0—Fierke Band, Parodies and Xylophone.

9.0—Religious Address.

9.30—Jutta Rüdiger, Reich BDM Leader, at the Microphone.

9.45—Mozart Records.

10.15—Weather.

10.30—Mile Sagawe (Cinema Organ) (Recorded).

11.0—See Munich.

12.0 noon—Greetings.

12.10 p.m.—Music from Munich.

1.0—"The Seven Swabians"—Fairy Play.

1.30—Records.

2.30—Records: Italian Folk Songs.

3.0—Busch Band.

What Would You

	SUNDAY, Jan. 16	MONDAY, Jan. 17	TUESDAY, Jan. 18
Symphony Concerts Operas	1.0 Stockholm: Schnéevoigt. 3.0 Brussels 1: Rasse festival. 4.0 Turin group: Eroica, etc. 5.15 Radio-Paris, Strasbourg: Ravel. 6.10 Leipzig, Sottens: "Lohengrin." 6.30 Berlin: "Carmen." 6.30 Regional: Mengelberg. 7.30 Cologne: Beethoven, Mozart, Brahms. 8.0 Prague: Philh. Orch.—Kleiber. 11.0 Frankfurt, Stuttgart: Opera records.	7.50 Hilversum 1: "Saul" (Handel). 8.15 Stuttgart: Brahms, Ravel, Larssen. 9.0 Regional: Georg Szell, Carl Flesch (violin). 9.0 Stockholm: "Judith" (Berg), Acts 4 and 5. 9.0 Warsaw: Pfte. Concerto, D minor (Brahms).	6.30 Prague: "Sárka" (Fibich). 7.15 Beromünster: Symphony (Brun). 7.30 Frankfurt: Wagner, Vieuxtemps. 7.55 Hilversum 2: Maastricht Orch., Jo Vincent (soprano). 8.0 Brussels 1: "Le Déluge." 8.0 Rome group: "Gloria" (Cilea). 8.0 Stuttgart: Handel programme. 8.30 Eiffel Tower: Honegger, Milhaud. 9.0 Sottens: Mozart. 11.0 Frankfurt, Stuttgart: Spanish.
Chamber Music Recitals	2.10 Hilversum 1: Pfte., songs. 3.5 Warsaw: Two pianofortes. 6.10, 9.30 Frankfurt: Segovia. 6.10 Hamburg: Two pftes. (Liszt). 6.30 Paris (PTT): Song, pfte. 7.10 Stockholm: Liebeslieder (Brahms). 8.30 Athlone: Brosa, van der Gucht. 8.30 Radio-Paris: Old instruments. 9.0 Rome group: Pianoforte. 9.15 Kalundborg: Flute, pfte. 9.25 Warsaw: Moniuszko quartet. 10.0 National: Peter Dawson (bass).	2.45, 4.0, Radio-Paris: Song, pfte., cello. 7.0 Hamburg: Vocal, instrumental. 7.30 Regional: Egon Petri (pfte.). 7.40 Sottens: Saxophone Quartet. 8.20 Munich: Quintet, songs. 8.25 Prague: Nonet (Spohr). 9.30 Radio-Paris: Contemporary. 8.35 Vienna: Two vlms., harpsichord. 8.55 Budapest 1: The Kerntler Trio. 9.0 Paris (PTT): Trio, songs. 9.5 Kalundborg: Ravel music. 10.0 Hilversum 2: Dutch music.	2.45, 4.0 Radio-Paris: Pfte., song. 4.10 Hilversum 1: Children's choir. 4.30 Prague: Quartet (Janacek). 5.0 Brussels 1: Violin. 6.10 Breslau: 'Cello, pfte. 6.45 Hilversum 1: Organ. 7.0 Athlone: Cathedral organ. 8.0 Eiffel Tower: Pfte., cello. 8.15 Frankfurt: Quartets. 8.15 Radio-Paris: Quartet, songs. 8.25 Beromünster: Swiss music. 9.30 Deutschlandsender: Beethoven. 9.30 Strasbourg: Contralto songs.
Plays and Feature Programmes	2.0 Paris (PTT): "Noë" (Obey). 4.0 Radio-Paris: "France," pt. 3. 8.30 Paris (PTT): "Liberté provisoire." 9.5 Regional: "Jane's Legacy" (Phillpotts).	8.0 Frankfurt: Goldoni comedy. 8.30 National: "The Count of Monte Cristo." 8.30 Strasbourg: One-act plays. 9.0 Athlone: "The Veteran." 9.15 Turin group: Lady Gregory play.	6.0 Budapest 1: "The Tragedy of Man." 7.45 Breslau: "Thyl Ulenspiegel." 9.5 Poste Parisien: Simenon play. 9.30 Radio-Paris: "La princesse Maleine." 10.0 Strasbourg: Fantasy.
Light Orchestral Bands. Operettas	12.30 Radio-Paris: Pascal Orchestra. 2.25 Kalundborg: Verdi, Wagner. 3.0 Deutschlandsender: Busch Band. 4.0 Strasbourg: Military band. 4.30 Paris (PTT): Light classics. 5.0 Deutschlandsender: Rambour. 6.10 Cologne: Choir, orch. 6.10 Königsberg: Military band. 6.35 Vienna: Viennese music. 7.0 Beromünster: Pfirstinger prog. 7.0 Deutschlandsender: Variety. 7.0 Munich: Opera music. 8.0 Rome group: Band concert. 8.0 Turin group: "Frederica" (Lehár). 8.10 Bucharest: Operetta music. 8.30 Strasbourg: Light orchestral. 8.50 Budapest 1: Cigány Band. 9.0 Beromünster: Radio Orchestra. 9.5 National: Sullivan, German. 9.10 Hilversum 2: Orch., dances. 9.15 Hilversum 1: Opera music. 9.30 Strasbourg: "Le beau Dunois." 9.45 Budapest 1: Orchestra.	12.0 Radio-Paris: Porée Orchestra. 12.10 Hilversum 1: VARA Orch. 1.30 Kalundborg: Radio Orch. 3.0 Deutschlandsender: Light orch. 3.0 Frankfurt: Popular orch. 3.15 Warsaw: Pop. orchestral. 5.0 Radio-Paris: Giardino Orch. 5.15 Strasbourg: Meyerbeer prog. 6.15 Stuttgart, etc.: Variety prog. 6.35 Vienna: Pop. orch. and vocal. 7.0 Berlin: Variety concert. 7.0 Budapest 1: Light orchestral. 7.0 Deutschlandsender: Pop. orch. 7.30 Stockholm: Naval Band. 8.0 Athlone: Sullivan, German. 8.0 Brussels 1: Radio Orchestra. 8.0 Rome, Turin, groups: Vocal, orchestral. 8.15 Swiss stations: For Swiss abroad. 9.30 Cologne, etc.: Light music, dances. 9.30 Vienna: Rich. Tauber records. 9.45 Hilversum 1: Orchestra.	12.20 Radio-Paris: Bailly Orchestra. 12.40 Hilversum 1: Orchestra. 1.30 Kalundborg: Radio Orch. 3.0 Deutschlandsender: Orchestra. 3.0 Königsberg: Ballets. 3.30 Frankfurt: Operetta music. 5.0 Radio-Paris: Derveaux Orch. 6.10 Hamburg: Operetta music. 6.30 Brussels 1: Orch., Suites. 6.30 Stockholm: Waldimir's Orch. 6.40 Vienna: Viennese music. 7.0 Berlin: Glahe Band. 7.0 Leipzig: Choir, orchestra. 7.0 Warsaw: Offenbach operetta. 7.30 Naples group: Operetta. 8.0 Berlin: Opera music. 8.0 National: "At Your Service, Madam" (musical play). 8.10 Cologne: Orch., songs. 8.15 Athlone: Orch., soprano. 8.30 Strasbourg: Band concert. 9.20 Kalundborg: Danish music. 9.30 Munich: Light German Music. 10.10 Budapest 1: Cigány Band.
Talks (including News in English) Commentaries	6.20 Beromünster: "Schiller." 7.36 Rome 2: English News and Talk. 9.0 Moscow: English programme.	5.0 Leipzig: "The North-West Passage." 7.10 Lille: Talk in English. 7.36 Rome 2: News in English. 9.30 Sottens: The Council of the League—100th session.	7.36 Rome 2: English News and Talk. 10.0 Prague: News in English. 10.0 Sottens: The Council of the League—100th session.
Variety Cabaret	7.40 Stockholm: Cabaret. 8.0 Brussels 1: Radio variety. 8.30 Eiffel Tower: Variety. 9.5 Poste Parisien: Amateurs' Hour.	7.0 Breslau: "Blue Monday." 7.0 Leipzig: Monthly Review. 7.0 National: "Monday at Seven." 7.30 Kalundborg: Revue. 10.30 Poste Parisien: Cabaret.	8.10 Hilversum 1: "The Tuesday Night Train." 8.40 Hilversum 2: Revue. 9.0 Stockholm: Cabaret (records).
Dance Music	9.30 Deutschlandsender; 9.35, Prague; 9.45, Vienna; 10.0, Kalundborg; 10.5, Poste Parisien; 10.10, Brussels 2; 10.15, Rome, Turin groups; 10.50, Hilversum 1; 11.0, Brussels 1, Paris (PTT), Radio-Paris, Strasbourg.	7.0 Munich; 8.0, Warsaw; 10.0, Deutschlandsender, Kalundborg; 10.5, Budapest 1; 10.15, Rome, Turin groups; 10.25, Regional; 11.0, National.	9.5 Warsaw; 9.20, Vienna; 9.25, Budapest 1; 9.35, Königsberg, Stuttgart; 10.15, Kalundborg; 10.20, Hilversum 2; 10.25, Regional; 10.50, Hilversum 1; 11.0, National.

Like To Hear ?

WEDNESDAY, Jan. 19	THURSDAY, Jan. 20	FRIDAY, Jan. 21	SATURDAY, Jan. 22
<p>3.0 Budapest 1: Gluck, Dohnanyi. 6.25 Vienna: "The Girl of the Golden West." 7.15 Bucharest: Perlea, Sauer. 7.50 Prague: Prokofiev programme. 8.0 Brussels 2: Flemish music. 8.0 Leipzig: Sibelius. 8.0 Turin, Munich: "Carmen." 8.15 National, Deutschlandsender: Mengelberg—Brahms No. 3. 8.30 Strasbourg: Russian music. 9.25 Budapest 1: Opera Orchestra.</p>	<p>3.15 National: Suggia ('cello). 7.0 Leipzig: Mozart, Wolf. 7.10 Breslau: Brahms No. 1, etc. 7.10 Kalundborg: Fritz Busch. 7.15 Beromünster: Basle concert. 7.55 Hilversum 1: Concertgebouw. 8.0 Rome group: "Il piccolo Marat." 8.0 Vienna: Sacred music. 8.15 Regional: L.S.O., Landowska. 8.30 Radio-Paris: "Boris Godunov," Acts 1, 2.</p>	<p>5.30 Athlone: "Maritana" (rec.). 6.30 Budapest 1: "Tannhäuser." 6.35 Bucharest: From the Opera. 7.0 National: "Manon." 7.0 Warsaw: The Philharmonic. 7.45 Athlone: Haydn. 8.30 Paris (PTT): Clergue, Mlle. Corney. 8.30 Strasbourg: "La forêt bleue." 9.25 Vienna: New music. 11.0 Radio - Paris, Strasbourg: Chausson, Brousse, Ravel.</p>	<p>3.0 Rome, Turin groups: La Rosa Parodi. 4.30 Paris (PTT), Strasbourg: Padeloup. 8.0 Turin group: "Il piccolo Marat." 8.30 Brussels 1, Paris (PTT): Exchange. 8.30 Eiffel Tower: Opéra-Comique. 8.45 Strasbourg: "The Trojans at Carthage" (Berlioz).</p>
<p>5.0 Brussels 1: Belgian music. 5.10 Hilversum 1: Organ. 6.30 Paris (PTT): Pfte., songs. 7.0 Breslau: Quartet (Beethoven). 7.0 National: Egon Petri (pfte.). 7.0 Sottens: Lina Falk (songs). 8.0 Eiffel Tower: Song, pfte. 8.0 Rome group: Serato (violin). 8.0 Warsaw: Chopin. 8.10 Hamburg: Quartet (Schubert). 8.30 Radio-Paris: Old Swiss music. 11.0 Stuttgart, Frankfurt: Old music.</p>	<p>12.40 Hilversum 1: Organ, violin. 5.15 Königsberg: Organ. 6.30 Paris (PTT): Organ. 6.30 Stockholm: Songs (Almqvist). 7.30 Sottens: Soirée de chansons. 9.0 Brussels 2: Old music. 9.0 Warsaw: Quartet, songs, pfte. 9.10 Budapest 1: Choir, orchestra. 9.15 Turin group: Organ. 9.20 National: Bela Bartók prog. 9.35 Prague: Goldberg Variations (Bach). 10.10 Brussels 1: Vocal, instr.</p>	<p>5.0 Radio-Paris: Lener Quartet. 5.15 Strasbourg: Wind instruments. 6.30 Brussels 1: Chopin. 7.0 Brussels 2: Songs of Peru. 7.20 Beromünster: Songs, quartet. 7.40 Leipzig: Old German music. 9.20 Stockholm: Cathedral organ. 9.35 Kalundborg: Saxophone, pfte., song. 9.35 Stuttgart: Mozart, Sixt, Kraus. 10.10 Brussels 2: Old music. 10.40 Hilversum 1: Soprano songs. 10.40 National: Egon Petri (pfte.).</p>	<p>4.0 Brussels 2: Gade, Brahms. 4.5 Stockholm: Weber, Grieg, etc. 5.40 Hilversum 1: Organ. 6.15 Brussels 1: Walloon music. 6.30 Paris (PTT): Songs. 6.30 Vienna: Cecilia Hansen. 7.0 Athlone: Celtic songs. 8.0 Eiffel Tower: Bourbon songs. 8.0 Paris (PTT): Belgian Court Trio. 8.35 Vienna: Trout Quintet. 9.15 Rome group: Pianoforte. 10.40 Hilversum 1: Song, organ.</p>
<p>7.15 Beromünster: Dialect plays. 7.30 Sottens: Molière play. 8.0 Brussels 1: "Arsène Lupin." 8.15 Poste Parisien: "Mozart" (Guitry). 8.30 Eiffel Tower: "La jalousie" (Guitry).</p>	<p>5.0 Radio-Paris: "Amphytrion." 7.40 Cologne: "Die armseligen Besenbinder." 8.0 Turin group: "I figli del marchese Lucera." 8.30 Paris (PTT): Two plays. 9.0 Radio-Normandie: Comedy.</p>	<p>7.0 Deutschlandsender: "Steputat and Co." 7.0 Vienna: Grillparzer drama. 7.20 Prague: "Napoleon" (Grabbe). 8.30 Athlone: "Mozart" play. 8.30 Radio-Paris: "La Dolores."</p>	<p>8.0 Rome group: "Gli uomini non sono ingrati." 8.0 Stuttgart: Paganini play. 8.20 Beromünster: Dialect play. 8.30 Radio-Paris: "Une balle perdue." 9.10, 11.0 Paris (PTT): Three plays.</p>
<p>12.0 Radio-Paris: Garde Républicaine Band. 12.10 Hilversum 1: VARA Orch. 1.45 Kalundborg: Rydahl Ensemble. 3.0 Deutschlandsender: Orchestra. 3.15 Warsaw: Light orchestral. 5.0 Radio-Paris: Cantrelle Orch. 5.15 Strasbourg: Light orchestral. 6.10 Cologne: Old dances. 6.10 Frankfurt: Opera music, etc. 6.10 Hamburg: Military Band. 6.15 Brussels 1: Light orchestra. 6.30 Budapest 1: Cigány Band. 6.55 Bratislava, Prague: Verdi. 7.0 Berlin: Orchestra, choir. 7.0 Deutschlandsender: Busch Band. 7.10 Kalundborg: Lehár music. 7.30 Stockholm: Popular orchestral. 8.45 Athlone: Band, Bass songs. 9.0 Warsaw: Light orchestral. 9.20 Kalundborg: Danish music. 9.30 Breslau: Light music, dances. 9.35 Stuttgart: Light orchestral. 10.40 Hilversum 1: Accordion Band.</p>	<p>12.20 Radio-Paris: Giardino Orch. 1.10 Hilversum 1: Kovacs Lajos. 2.0 Kalundborg: Petersen Orch. 3.0 Frankfurt: Contemporary music. 4.45 Paris (PTT): Francy Orch. 5.0 Berlin: Instrumental. 6.0 Regional: Musical play. 6.10 Cologne, Deutschlandsender (7.0), Light opera music. 6.10 Leipzig: Community singing. 6.10 Munich: "Extrablätter." 6.25 Vienna: Carinthian folk music. 7.0 Warsaw: Light orchestral. 7.35 Athlone: Irish music. 7.55 Hilversum 2: NCRV Orch. 8.0 Brussels 1: Radio Orchestra. 8.0 Hamburg: Waltzes. 8.5 Prague: Variety concert. 8.15 Deutschlandsender: Folk songs. 8.30 Eiffel Tower: "P.L.M." 9.0 Stockholm: Light orchestral. 9.30 Hamburg: Orchestral serenade. 9.35 Stuttgart: Folk music. 10.15 Budapest 1: Cigány Band.</p>	<p>12.0 Radio-Paris: Adison Orch. 1.30 Kalundborg: Preil's Ensemble. 3.0 Deutschlandsender: Orchestra. 3.0 Leipzig: Halle Orchestra. 3.10 Königsberg: Orch., violin. 4.55 Hilversum 2: KRO Orchestra. 5.0 Paris (PTT): Derveaux Orch. 6.10 Cologne: Light classics. 6.10 Frankfurt: Dances. 6.30 Stockholm: From Berlin—Do-brindt Orchestra. 7.50 Hamburg: Opera programme. 8.0 Berlin: Band concert. 8.0 Brussels 1: Belgian music. 8.0 Brussels 2: Radio Orchestra. 8.0 Rome group: Orchestral. 8.10 Cologne: Instrumental prog. 8.20 Sottens: Geneva Orchestra. 8.55 Beromünster: Radio Orchestra. 9.0 Turin group: Band concert. 9.5 Hilversum 2: Military Band. 9.30 Berlin: Light orchestral.</p>	<p>12.15 Radio-Paris: Bailly Orchestra. 1.30 Kalundborg: Radio Orchestra. 3.0 Frankfurt, etc.: Variety concert. 5.0 Berlin: Instrumental. 6.0 Warsaw: For Poles abroad. 6.10 Breslau: Variety concert. 6.10 Leipzig: Music from the South. 6.30 Stockholm: Old Dances. 7.0 Berlin: "A Night in Venice." 7.0 Budapest 1: Operetta. 7.0 Sottens: Old English music. 7.5 Vienna: Light and dance music. 7.10 Hamburg: "From Strauss to Künneke." 7.10 Munich: Variety concert. 7.30 Beromünster: Folk music. 7.55 Hilversum 1: Orchestra. 8.0 Brussels 2: Musical comedy (Tchaikovsky music). 8.30 Sottens: Grieg music. 8.50 Athlone: Victor Herbert prog. 8.50 Warsaw: Operetta music. 9.10 Kalundborg: Russian music. 10.5 Radio-Paris: Orch., songs.</p>
<p>6.30 Radio-Paris: "Gabriel Pierné." 6.55 Beromünster: "18th Century London." 7.10 Lille: Talk in English. 7.36 Rome 2: News in English. 9.30 Sottens: The League Council.</p>	<p>5.0 Cologne: "Wilhelm Schäfer." 7.36 Rome 2: English News and Talk. 10.0 Poste Parisien: "Marian Anderson" (with illustrations).</p>	<p>7.36 Rome: News in English. 9.0 Moscow: English programme. 9.0 Stockholm: Foreign Affairs. 10.0 Budapest 1: News in English (a.m.)—National: Farr v. Braddock (from U.S.A.).</p>	<p>5.30 Deutschlandsender: Skating and Ice Hockey. 7.5 Beromünster: "Australia." 7.10 Lille: Talk in English. 7.36 Rome 2: News in English. 7.40 Radio-Paris: Science Talk.</p>
<p>7.0 Leipzig: Variety—"Ski-Heil." 8.0 Athlone: Pantomime. 9.0 Radio-Paris: Variety. 9.10 Poste Parisien: Max Regnier.</p>	<p>6.10 Frankfurt: Variety programme. 8.15 Poste Parisien: "Plaisirs de Paris."</p>	<p>6.25 National: George Formby. 7.15 Stuttgart: Variety. 9.30 Eiffel Tower: Variety and Fairy-tale play.</p>	<p>2.25 Hilversum 1: Amateurs' Hour. 7.0 Leipzig: Variety. 7.15 Prague: Variety programme. 7.15 Stockholm: Cabaret. 8.0 National: Variety.</p>
<p>7.30 Cologne; 8.15, Budapest 1; 8.25, Breslau; 9.0, Sottens, Stockholm; 9.20, Hamburg, Vienna; 10.10, Poste Parisien; 10.15, Kalundborg, Rome group; 10.25, Regional; 11.15, National.</p>	<p>7.0 Berlin; 8.0, Brussels 2; 8.30, Beromünster; 10.0, Deutschlandsender; 10.15, Kalundborg, Turin group; 10.25, Regional; 10.50, Hilversum 1; 11.0, National.</p>	<p>2.10 Hilversum 1; 7.25, Breslau; 9.40, Königsberg; 10.0, Deutschlandsender; 10.10, Brussels 1; 10.15, Kalundborg, Rome group; 10.20, Hilversum 2; 10.25, Regional; 11.30, National.</p>	<p>9.0 Stockholm; 9.10, Beromünster; 9.15, Sottens; 9.30, Berlin, etc., Prague; 10.5, Poste Parisien; 10.10, Kalundborg; 10.15, Rome group; 10.30, Regional; 11.0, Radio-Paris; 11.15, National.</p>

SUNDAY (January 16)

- 4.15—"Music from the Bohemian Forest"—Sequence (Reimesch) with Lincke and Watzlik Poems. Music by Franz Ludwig and Claus Clauberger. Station Orchestra and Chamber Choir. Conductor: Görner. Paul Klose and Walter Tappe (Speakers).
 5.0—Beautiful Melodies. Rambour Band. Fred Raven (Accordion). Franz Thon (Saxophone). George Haentzschel (Pfte.); at 5.30—Excerpts from Next Sunday's Request Concert.
 6.0—Motto; News.
 6.10—Beautiful Melodies (contd.).
 6.45—Sports.
 7.0—The Musical Year—Variety Concert. Station Chamber Choir and Orchestra Conductor: List. Kaiser Dance Band. Erna Berger, Johannes Decker, Franz Wolf, Betty Sedlmayr, Fredy Schulz, Hellmut Hidegheti, Viktor de Kowa, and Fritz Lafontaine.
 9.0—News; Announcements.
 9.30-11.55—Dance Music. Lutter Band. Eric Helgar (Refrains). Records of Mile Sagawe (Cinema Organ); at 9.45—Weather.

FRANKFURT (Germany)

- 1,195 kc/s (251 m.); 25 kW. Relayed by Cassel, Coblenz, Freiburg and Trier, 1,195 kc/s (251 m.).
 5.0 a.m. See Hamburg.
 7.0—Water Level; Weather; Gym.
 7.30 (from Cassel)—Service.
 8.0—Peasants' Calendar.
 8.15—Choirs.
 8.45—Talk.
 9.0—For Hitler Youth (Recorded).
 9.30—Senta Bergman (Violin), Alex Presuhn (Viola), Wilhelm Schütze (Clarinet), Malata (Oboe) and Schröter (Pfte.). Romance (Schumann). Sonata in A (Brahms). Märchenzählungen (Schumann).
 10.15—"Gerrit Engelke"—Sequence (Kneip).
 11.0—See Berlin.
 1.0 p.m.—See Stuttgart.
 1.30 (from Freiburg)—Oswald von Wolkenstein Songs and Tyrolese Folk Songs by "Die Wolkensteiner." Conductor: Pöll.
 2.0 (from Freiburg)—A Sunday Afternoon in the Siegelau Valley.
 3.0—See Stuttgart; at 4.0-4.15—Report: Ladies' Swimming Gala in Frankfurt.
 5.0—"A Post Horn Solo"—Sequence (Kuhnert).
 6.0—Time; News.
 6.10—Andrés Segovia (Guitar). Ciaccona (Pachelbel). Prelude, Fugue and Gavotte (Bach). Andante (Mozart). Dance (Torroba).
 6.40—Sports.
 7.0—Station Orchestra. Conductor: Frickhoeffler. Max von Pauer (Pfte.). Part I: Serenade in D (Mozart). Part II: Pfte. Concerto in G (Beethoven). Part III: Schubert. Overture, "Rosamunde." Wanderer Fantasie (arr. Liszt). Marche militaire.
 9.0—Time; News; Sports.
 9.30—Andrés Segovia (Guitar). Prelude and Variations (Sor). Petite Valse (Grieg).
 9.50—Dance Music from Deutschlandsender.
 11.0-12.0 m't.—Italian Opera Music (Recorded). Part I: Verdi. Prelude "Joan of Arc" by the Station Orchestra. Conductor: Rosbaud. Aria, "The Force of Destiny," by Cesare Palagi (Bass) and Choir of La Scala, Milan. Love Duet from "A Masked Ball," by Margarethe Teschemacher and Walter Ludwig. Ballet, "Othello," by the Station Orchestra. Part II: Finale from

Act III, "Andrea Chenier" (Giordano), by Rasa, Galeffi, Baracchi, Villa and Baccaloni. Symphonic Intermezzo and Chorus from "Cavalleria Rusticana" (Mascagni) by the Choir of La Scala, Milan. Aria, "Aida" (Verdi) by Margherita Ferras and Margarethe Klose. Aria, "Tosca" (Puccini) by Gerhard Hüsch and Choir.

HAMBURG (Germany)

- 904 kc/s (331.9 m.); 100 kW. Relayed by Bremen, Flensburg, Hanover, Magdeburg and Stettin, 1,330 kc/s (225.6 m.).
 5.0 a.m.—Harbour Concert.
 7.0—News; Talk.
 7.25—Records; at 7.35-7.45—Gym.
 8.0—See Breslau.
 8.30—Rading Quintet.
 9.15—Service from Kiel University Church.
 10.0—Cologne Chamber Trio. Trio Sonata in D (Leclair). Sonata in C minor. Passacaglia (Krieger). Excerpts from "Pièces de clavecin" (Rameau).
 10.45—Programme Notes.
 11.0—See Berlin; at 11.55—Time; Weather.
 1.0 p.m.—For Children.
 2.0—Kiel Orchestra. Conductor: Döring.
 2.40—"Precious Water"—Gay Topical Reports.
 3.0—See Stuttgart.
 5.0—"De Ebener"—Dialect Comedy (Diers).
 5.40—Upper Silesian Dance Suite (Strecke), by the Silesian Philharmonic. Conductor: Marszalek (Recorded).
 6.0—News.
 6.10—Concerto pathétique (Liszt) by Beckmann and Gregor (Pftes.)
 6.30—Sports Review from Braunlage.
 6.45—Sports; Weather.
 7.0—Variety Concert. Station Orchestra. Conductor: Richard Müller-Lampertz. Station Dance Band. Conductor: Jan Hoffmann. Else Wolff, Charlotte Baerenz. Yvonne Neuburger. Wilhelm Leiseifer.
 9.0—News.
 9.30-11.0—See Deutschlandsender.

HILVERSUM (No. 1) (Holland)

- 160 kc/s (1,875 m.); 10 kW until 2.40 p.m.; 150 kW from 2.40 p.m. Also on Lopikerkapel, 722 kc/s (415.4 m.); 17 kW.
 * See Page 20
 8.35-9.40 a.m.—VARA Programme.
 8.35—Records; Announcements; Talk.
 9.10—Records; Talk.
 9.40-11.40—VPRO Programme.
 9.40—For Children.
 10.10—Service.
 11.40 a.m.-4.40 p.m.—AVRO Programme.
 11.40—Time; Motto.
 11.45—Film Talk by J. L. Jordan.
 12.10 p.m.—American Music by Palla (Organ).
 12.30—Records.
 12.55—Light Music by the Twilight Serenaders.
 1.40—Weekly Book Talk.
 2.10—Niedzielsky (Pfte.), Smedes (Songs).
 3.25—Records.
 3.50—Women's Choir.
 4.10—AVRO Dance Band.
 4.35—News.
 4.40—VPRO Talk.
 5.10-7.40—VARA Programme.
 5.10—For Children.
 5.40—Songs. Conductor: Steyn.
 6.10—Sports; Announcements; Records.
 6.40—Variety Programme.

- 7.40 till Close—AVRO Programme.
 7.40—Time; News.
 7.55—A Play.
 9.0—Radio Journal.
 9.15—Opera Music. AVRO Orchestra. Conductor: Treep. Wittrisch (Tenor).
 10.10—Records: French Songs.
 10.40—News.
 10.50—AVRO Dance Band.
 11.20-11.40—Records.

- ductor: Hamerik. Else Schott and Poul Wiedemann (Songs). Part I, Verdi. Overture, "The Force of Destiny." Aria, "A Masked Ball." Excerpts, "Aida" (Verdi). Part II, Wagner. Prelude, "Lohengrin." Excerpt, "The Valkyrie." Overture, "Rienzi."
 4.0—Children's Service from Christiansborg Castle Church.
 5.20—Talk.



A scene (Act 2) from "Lohengrin," which Leipzig and other stations are to present at 6.10 p.m.

- HILVERSUM (No. 2) (Holland)
 995 kc/s (301.5 m.); 15 kW until 6.10 p.m.; 60 kW from 6.10 p.m.
 8.10-9.10 a.m.—NCRV Religious Programme.
 9.10 a.m.-4.40 p.m.—KRO Programme.
 9.10—Records.
 9.25—High Mass.
 11.25—Records.
 11.55—KRO Orchestra, Conductor: van 't Woud; at 12.40 p.m.—Talk.
 1.40—Letter-box.
 2.25-2.40—Records.
 2.45—Talk; Records.
 3.10—The Roermond Male Voice Choral Society, Conductor: de Rooy; at 3.25—Records.
 3.50—Records; For Invalids.
 4.35—Sports.
 4.40-7.25—NCRV Programme.
 4.40—Records: Sacred Music.
 5.0—Service; Mixed Choir, Conductor: Smidt.
 7.25 till Close Down—KRO Programme.
 7.25—Sports; Talk; News.
 8.10—Dramatic Programme.
 8.40—Request Records.
 9.10—KRO Orchestra, Conductor: van 't Woud; KRO Boys, Conductor: Lustenhouwer.
 10.10—News; Epilogue.
 10.40-11.10—Talk in Esperanto.
 KALUNDBORG (Denmark)
 240 kc/s (1,250 m.); 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.).
 7.0 a.m.—Gym; Weather.
 7.45—French Talk: Talleyrand.
 8.0—German Talk: Kindheitserinnerungen aus einem Aufenthalt in Dänemark.
 8.15—Talk in English: Some well-known English Songs.
 8.30—Talk.
 9.0—Service.
 10.28—Weather; News.
 11.0—Preil's Ensemble; at 11.50—Reading.
 1.0 p.m.—For Children.
 1.30—Records.
 2.0—Børge Petersen (Accordion).
 2.25—Verdi and Wagner Concert. Symphony Orchestra, Guest Con-

- 5.50—Weather.
 6.0—News; Sports.
 6.30—Talk: Divining Rods.
 7.0—"The Hansens"—Sketch (Locher).
 7.15—Dances—Radio Orchestra. Conductor: Tuxen. March in D (Schubert). Minuet and Contredanse (Beethoven). Die Schönbrunner (Lanner). Tivoli Polka (Lumbye). Waltz, Künstlerleben (Strauss). Mazurka, Columbine (Lumbye). Waltz, Enfants du printemps (Waldteufel). Mazurka, La Czarine (Ganne). Gallop, Salut for August Bourmonville (Lumbye).
 8.15—"With Danish Poets in the East"—Literary Sequence.
 9.0—News; Weather.
 9.15—Sonata (Hartmann) by Johan Bentzon (Flute) and Otto Mortensen (Pfte.).
 9.40—Records.
 10.0-11.15—Preil's Dance Band; at 11.0—Chimes.

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.—See Hamburg.
 7.0—Records.
 8.10—Roman Catholic Service
 9.0—Comradeship—Hitler Youth Programme.
 9.40—Weather; Programmes.
 10.10—For Children.
 10.20—The Correspondence between Carl and Marie von Clausewitz—Sequence (Süssenbach) with Chamber Music.
 11.0—Station Orchestra. Conductor: Wilcken. Heti Böhnke (Soprano), Schupp (Tenor); at 12.0 noon—Road Report; Weather.
 1.0 p.m.—Chess.
 1.30—Variety.
 2.5—"Winter"—Sequence with Songs.
 2.45—Topical.
 3.0—Börschel Band. Overture, "La Dame blanche" (Boieldieu). Waltz, Stunden, die wir nie vergessen (Gröschel). Tändelei (Börschel). Selection, "Paganini" (Lehár).

SUNDAY (January 16)

Waltz, Für Alt und Jung (Hrubetz). My Lady Brocade (Ketelbey). Waltz, Schwert und Leyer (Jos. Strauss). Japanese Intermezzo (Alex). Friedemann Bach Sequence (Leuschner). Im chambre séparée (Heuberger). Skizzen aus dem Nordland (Filcher). Arabesque (Schönian). March, Unter dem Siegesbanner (von Blon).
 5.0—"The Tyrol"—Two Folk Tales.
 5.15—Comrade, where are you?
 5.45—Sports; News.
 6.10—Riding Tournament Music by a Cavalry Band.
 8.0—"Joys and Sorrows"—Sequence (Neubert). Music by Kuntzen.
 9.0—News; Sports.
 9.20—Football Match Report.
 9.40—Dance Music.
 10.0-11.0—Dance Music from Deutschlandsender.

LEIPZIG (Germany)
 785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.).
 5.0 a.m.—See Hamburg.
 7.0—Herbert Collum (Organ).
 7.30—Classical Records.
 8.0—Leo Hetzer and his EmDe Orchestra.
 9.40—Talk by Paul Eipper: Animals.
 10.0—"The Reich over all"—Hitler Youth Programme. St. Thomas' Choir. Conductor: Straube. Gewandhaus Orchestra. Conductor: Abendroth. Vaterländische Ouvertüre (Reger). Choir. Address by Herr Cerff. Leonora Overture (Beethoven).
 11.0—See Berlin.

1.0 p.m.—Time; Weather.
 1.5—Records: Opera and Light Classical Music.
 2.30—String Quartet in G (Mozart), by the Ast Quartet.
 3.0—Variety Concert from Mittweida. Fricke Band. Lilli Claus. Edda Harloff. Laila. Fritz Brendel. Harry Langewisch. Ernst Petermann.
 5.0—Report: The Thuringian SA Winter Sports Contests.
 5.20—Records: Operetta and Light Music.
 6.0—News; Sports.
 6.10—"Lohengrin" (Wagner). Station Choir and Leipzig Symphony Orchestra. Conductor: Weisbach. Cast: Josef v. Manowarda, August Seider, Maria Reining, Paul Schöfler, Gertrude Rüniger, and Arno Schellenberg; at 8.35—News; Sports.
 9.30-11.0—See Deutschlandsender.

LILLE (Radio PTT Nord) (France)
 1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 7.0 a.m.
 4.45 p.m.—Concert by the Cercle Berlioz. Allegro. Selection, "Patrie" (Paladilhe). La procession nocturne (Rabaud). Overture, "Patrie" (Bizet).
 5.30—To be announced.
 6.30—See Paris (Eiffel Tower).
 7.0—Song Records.
 7.30—News.
 8.0—Records: Operetta Potpourris.
 8.9—Sports; Records.
 8.30 (also Limoges (PTT) and Toulouse (PTT))—From the Opéra-comique, Paris. After the Programme; News.

LISBON (Portugal)
 629 kc/s (476.9 m.); 15 kW. Transmits at intervals from 12.0 noon.
 5.0 p.m.—Variety.
 5.50—Military Notes; Concert.
 6.20—For Children.
 6.50—News; Portuguese Music.
 7.0—Round Portugal; Records.

7.50—News; Sextet.
 8.30—Foreign Affairs; Sextet.
 9.0—Sports; Guitars.
 9.40—Spanish Concert.
 10.30—News; Records; Concert.
 11.30-12.0 m't.—News; Dance Music.

MONTE CENERI (Switzerland)
 1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 10.30 a.m.
 4.30 p.m.—Dance Music.
 4.45—"Unione Armonia" Choir from Locarno. Paraphrase on a Psalm (Gounod). Fidenter adeste (Caudana). Vergine Madre (Caudana). Sorrento (Perigozzo).
 5.15—Sports.
 5.30—Records.
 6.15—Sports.
 6.30—Records.
 6.50—News.
 7.0—François Capoulade (Violin); Herschel (Pfte.). Ciacona (Vitali). Grave (Friedemann Bach). Allegretto (Boccherini). Lullaby (Fauré). Tambourin chinois (Kreisler).
 7.30—Talks by Giotto Dainelli.
 7.45—Monteverdi Concert.
 8.45—Records of Backhaus.
 9.0—A Poem.

MOSCOW (No. 1) (Russia)
 172 kc/s (1,744 m.); 500 kW.
 1.0 p.m.—Programme in Swedish.
 4.45—Concert.
 5.0—Talk.
 5.30—Literary Programme.
 6.0—Concert.
 8.30—News; Kremlin Chimes.
 9.0—Programme in English.
 10.0—Programme in French.
 11.0-12.0 m't.—Programme in Spanish.

MUNICH (Germany)
 740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.).
 5.0 a.m.—See Hamburg.
 7.0—Religious Address.
 7.30—Records.
 8.0—See Breslau.
 8.30—Classical Records.
 9.30 (from Nürnberg)—Folk Music. Band, Soprano, Zither, and Recorders.
 10.40—"Auf'm Tanzbod'n"—Play (Hunkele).
 11.0—Band from the Ludwig Siebert Festhalle, Bayreuth. Oberst Wägermarsch (Fürst). Overture, "The Force of Destiny" (Verdi). A Fête in Aranjuez (Demerssemann). Waltz, The Secret of the Adige (Carena). Sonntag in Alpstein (Steinbeck). Selection, "The Tsarevitch" (Lehár). March, Flieg, deutsche Fahne, flieg! (Steiner).
 11.55—Time; Weather.
 12.0 noon—Kaisr Band.
 2.0 p.m. (from Nürnberg)—"The Snow Queen"—Fairy Play.
 2.45—Talk: The Kurische Nehrung.
 3.0—See Stuttgart.
 5.0—"An der böhmischen Grenz' hat's an Fuhrman verwaagt..."—Sequence with Music, from Zwiesel.
 6.0—Time; News.
 6.10—Wörthmüller Quintet and a Saxophone Quintet.
 6.40—Sports.

7.0—German Opera Music. Station Choir and Orchestra. Conductor: Langefeld. Martha Martensen (Soprano), Annemarie Bischof (Soprano), Elisabeth Waldenau (Contralto), Marius Andersen (Tenor), Anton Gruber-Bauer (Bartitone). Overture and Aria, "Julius Cæsar" (Handel). Ballet Music. Aria and Chorus, "Alceste" (Gluck).

Two Arias, "Zaide" (Mozart). Overture, "Abu Hassan" (Weber). Aria and Chorus, "Der Vampyr" (Marschner). Duet, "Das Liebesverbot" (Wagner). Prelude, "Mona Lisa" (v. Schillings). Aria, "Der Prinz von Homburg" (Graener). Prelude, "Die toten Augen" (d'Albert). Aria, "Feuersnot" (R. Strauss).
 9.0—Time; News.
 9.30-11.0—See Deutschlandsender.

NAPLES GROUP (Italy)
 Naples, 1,104 kc/s (271.7 m.); 10 kW. Florence (No. 1), 610 kc/s (491.8 m.); Rome (No. 3), Bari (No. 2), Milan (No. 2), Turin (No. 2), and Genoa (No. 2), 1,357 kc/s (221.1 m.).
 6.0 p.m.—Cantatrici Italiane. Conductor: Pacifico.
 6.25—Sports; Light Music.
 7.0—Time; News; Talk.
 7.30—Music of the Nineteenth Century. Chamber Orchestra. Conductor: Mancini.
 8.15—Sketch.
 8.30—String Orchestra. Conductor: Petralia.
 9.0—Music by the Virtuosi Campanoli.
 9.30—Dance Music.
 10.0—News.
 10.15-10.55—Dance Music.

OSLO (Norway)
 260 kc/s (1,153.8 m.); 60 kW. Relayed by Fredrikstad, 722 kc/s (415 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.). Transmits at intervals from 7.30 a.m.
 9.55 a.m.—Service.
 11.40—News; Sports.
 1.0-2.0 p.m.—Symphony Concert.
 2.50—Sports.
 3.0—Bergen Radio Orchestra.
 4.0—Weather.
 4.5—Norwegian Folk Music.
 4.35—Talk: Norwegian Terminology.
 4.55—Concert—Randi Helseth (Soprano), Gudrun Breian (Contralto), Halvorsen (Tenor), Vatn (Bass), Hildur Røising and Ingrid Salvesen (Pftes.).
 5.25—Report.
 5.45—News.
 6.15—Records.
 6.45—Legal Talk.
 7.10—Station Orchestra. Conductor: Kramm. Prelude, "Tiefland" (d'Albert). Le tombeau de Couperin (Ravel). None but the Weary Heart (Tchaikovsky). Piece (Wolf-Ferrari). Bagatelle (Ireland). Norwegian Airs (Hjellemo). American Suite (Porret).
 8.20—Reading (Sven Moren).
 8.40—News; Sports.
 9.10—Dance Music.
 9.50-10.0—Sports.

PARIS (Eiffel Tower) (France)
 1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 7.0 a.m.
 3.15 p.m.—"Le Théâtre Uruguayen"—Dramatic Programme.
 4.45—"Nos Enfants"—Play in Three Acts (Florence Sanchez, French trans. by Delfino Urquiza).
 6.30—For Farmers.
 7.0—Orchestra from Toulouse (PTT).
 7.30—News.
 8.0—Mme Pierson (Songs) and Emile Passani (Pfte.). Songs (Scarlatti): (a) O cessate di piagarmi, (b) Canzonetta. Pfte.: Two Sonatas (Scarlatti). Songs (Ravel): (a) Le Paon,

(b) Le Grillon, (c) Le Martin-Pêcheur. Pfte.: Alborada del Griacioso (Ravel).
 8.30—Variety Programme arranged by Aman Maistre.
 10.0—Records.
 11.0-11.15—News.

PARIS (Poste Parisien) (France)
 959 kc/s (312.8 m.); 60 kW.
 7.52 a.m.—Records.
 8.2—News.
 8.36—Records: Andolfi Orchestra.
 9.1—News.
 9.30—Music-Hall Records.
 10.0—Records.
 10.30—Wagner Records.
 11.15—Records.
 12.5 p.m.—Records for Children.
 12.15—"Shops"—Records.
 12.30—The Adventures of Prince Lumen, with Mireille Perry and Robert Burnier.
 12.45—Jean Solar's Ensemble.
 1.0—Vocal Quintet with Raymond Souplex and Jane Sourza.
 1.30—Records.
 1.45—Lecture-Recital: Audran.
 2.0—News.
 5.0—Records.
 7.0—Topical; Sports; Amusements.
 7.20—Records of Lucienne Boyer.
 7.40—Records of Ray Ventura.
 7.50—Film Talk.
 8.0—Topical; Les Frères Jacasse.
 8.10—Records. Nocturne (Fauré). Danse macabre (Saint-Saëns).
 8.30—Coco Aslan and his Friends, with Ded Rysel.
 8.45—"La bonne histoire."
 9.0—News.
 9.5—Amateurs' Programme.
 9.55—News.
 10.5—Dance Music.
 10.30-11.30—Records: Light Music.

PARIS (PTT) (France)
 695 kc/s (431.7 m.); 120 kW.
 7.0 a.m.—News; Records; Talk.
 7.30—Records.
 7.45-8.30—News; Records.
 9.0—For Farmers.
 9.15—Andolfi Orchestra.
 10.0—Bellanger Orchestra.
 10.15—Priolet (Songs).
 10.30—Programmes; Sports.
 11.15—Wilhelmine Coudray (Songs).
 11.30—Bellanger Orchestra.
 12.0 noon—Yatove Orchestra; at 12.45 p.m.—News.
 2.0—"Noë"—Play in Five Acts (André Obey), with André Brunot as Noah.
 4.0—Records. Sonata in B flat (Mozart) by Lili Krauss (Pfte.) and Simon Goldberg (Violin). Sixth Nocturne (Fauré) by Jean Doyen (Pfte.).
 4.30—Jane Evrard Orchestra. Pierre Doriaan (Songs). Symphony, La Cassation (Haydn). Waltz Suite (Schubert - Dandelot). Scherzo (Mendelssohn). Songs. Prelude and Fugue (Glazunov). Sarabande, Pavane, and Forlane (Sporck). Rondo (Mozart).
 6.0—For Farmers.
 6.30—Maya Feline (Songs).
 6.45—Lucien Wurmser (Pfte.). Fantasia in C minor (Mozart). Valse posthume (Chopin).
 7.0—Radio-Journal; News.
 8.0—Les Frères Jacques present Betove and Yolanda.
 8.30 (also Marseilles (PTT) and Alpes-Grenoble (PTT))—"Liberté provisoire"—Play in Four Acts (Duran).
 10.0—News; Sports; Weather.

SUNDAY (January 16)

- 10.45—Records. Tesoro mio (Becucci). Les cloches de Saint-Malo (Gillet). Tango (Guerrero). Lola Lolita (Guerrero).
11.0—See Paris (Radio-Paris).

PARIS (Radio-Paris) (France)

182 kc/s (1,648 m.); 80 kW.

- 6.58 a.m.—Programmes; Records.
7.15—Time; News; Gym; Records.
8.0—News.
8.30—German Lesson.
8.45—Book-keeping Lessons.
9.15—For Farmers.
9.30—English Lessons.
10.10—Spanish Lesson.
10.30—Italian Lesson.
11.0—Programme Notes.
11.5—Lehár Operetta Records.
11.30—Lajarrige (Organ). Madrigal (Vierne). Lamento (Lajarrige). Prelude (Vierne). Fantasia on Provence Carols (Jean-Baptiste Lajarrige).
12.0 noon—Roman Catholic Address.
12.20 p.m.—Records: Sacred Music.
12.30—Pascal Orchestra. Marche des Gardes françaises (Wettge). Valse italienne (Desormes). The Mill in the Black Forest (Eilenberg). Nocturne (Pierné). Czardas (Maurizi). D'un cœur qui t'aime (Gounod). March of the Sirdar (Ivanov).
1.0—Time; News.
1.15—Pascal Orchestra. Waltz, Tout Paris (Waldteufel). Excerpts, "Là-Haut" (Yvain).
1.30—Alice Furt (Songs).
1.45—Pascal Orchestra. Piece (Kochmann). Le cœur de ma mie (Jacques-Dalcroze). Marche des Gamins de Paris (Berger).
2.0—Sound News.
2.10—For Young People.
3.0—Charles and Charley (Duets).
3.15—"Faites vos jeux"—Detective Play (Cossin), with the Author in the Cast.
3.45—"Le Compagnon du Tour de France"—Sketch (Tranchant), with Songs. The Author and Jacqueline Grillât in the Cast.
4.0—"France"—Historical Play (Riollet). Part III, "The Kings of Peace and War," with Georges Colin as Louis XIV and Jacques Gretillat as Henry IV.
5.15—Ravel Concert by the Colonne Concert Society. Madeleine Grey (Songs). Suite No. 2, Daphnis et Chloé. Schéhérazade. Suite, Mother Goose. Pfte. concerto. Pavane pour une Infante défunte. Waltz.
7.0—Radio-Paris Guignol, by Bilboquet, Zecca and Rolande Gardet: "La nuit du factionnaire" (Crozière). In the interval, Polichinelle.
7.30—Adison Orchestra.
7.59—Time; Home Affairs.
8.8—Foreign Affairs.
8.15—Jean Clément (Songs).
8.30—Recital of Old Music. The Henri Casadesus Society for Old Instruments. Conductor: Bigot. Marius Casadesus (Violin). Régina Patorni-Casadesus (Harpsichord). Germaine Martinelli (Songs). Henri Casadesus (Viola d'amore). Violin Sonata in D (Handel). Concert Rondo for Harpsichord (Mozart). Venetian Symphony (Lorenzini). Songs: (a) Ariette (Scarlatti), (b) Canzone (Frescobaldi), (c) Aria, "Figaro" (Mozart), (d) Aria, "Les Noces de Figaro" (Beaumarchais-Casadesus). Viola d'amore and Orchestra: Fantasia (Cimarosa). Divertissement provençal (Casadesus); at 9.30—News.

- 10.35—Sound News.
10.45—Time; News.
11.0—Bouillon Dance Band.
1.0 a.m. (Monday)—Programme Announcements.



Erich Kleiber, conductor of Prague's 8 p.m. concert

PRAGUE (Czechoslovakia)

638 kc/s (470.2 m.); 120 kW.

Transmits at intervals from 5.45 a.m.

- 6.30 a.m.—Karlsbad Municipal Orchestra.
7.15—Sokol Gymnastics.
7.45—Meditation.
8.0—"Missa quasi ambrosiana spirans" (Brix). Mixed Choir. FOC Orchestra. Conductor: Krejčí. Nemeč (Organ).
8.25—For Workers.
8.45—Industrial Review.
9.0—Muzik Salon Quartet.
9.45—Talk and Reading: Romanticism in German Literature.
10.15—Books.
10.20—See Brno.
11.0—Chimes.
11.5—Press Review; Weather.
11.25—FOC Orchestra. Conductor: Pekárek.
12.50 p.m.—For Farmers.
1.5-1.30—For Farmers and Workers (in German).
2.30—Variety Concert from Kosice.
3.45—"At Full Steam"—Comedy (Brintzer, Czech trans. Kolár).
4.10—Suite, "The Singing Earth" (Skvor) (Recorded).
4.35—German Transmission. Hofbauer reads his own Poems. Station Orchestra. Guest Conductor: Robert Manzer. Else Gold (Songs). Overture, "Idomeneo" (Mozart). Two Songs (Paul). Symphonic Poem (David). Two Songs (Manzer). Fourth Symphony in B flat (Beethoven).
5.50—News (German); Record.
6.0—News; Talk.
6.25—"Annie's First Ball"—Play after the story by Hermann (Knittel).
7.20—"Old Ballrooms"—Literary and Musical Sequence from Moravská-Ostrava.
7.55—Talk on the following Concert.
8.0—Czech Philharmonic from the Smetana Concert Hall. Guest Conductor: Erich Kleiber. Apennine Suite (Calabrina). Second part to be announced.
8.55—Records.
9.0—Time; News.
9.20—Records.
9.30—News (German).
9.35-10.30—Osten Dance Band.
- RADIO-NORMANDIE (France)**
1,113 kc/s (269.5 m.); 15 kW.
6.45 a.m.—Military Band.
7.0—Records.
7.15—News; Press Review.
7.45—Service from All Saints' Church, Rouen.

- 8.0—In search of Melody.
8.15—Light Music.
8.30—Musical Alphabet.
8.45—Sports; Light Music.
9.15—Highlights of Hollywood.
9.30—Musical Cavalcade.
9.45—Smoking Concert.
10.0—Carson Robison's Pioneers.
10.15—Waltzes—Billy Bisset's Orchestra.
10.30—Eddie Pola (Pfte.).
10.45—Harry Roy and Billy Curry.
11.15—Radio Parade.
11.45—Artists of the Théâtre, Français, Rouen.
12.25 p.m.—Roman Catholic Address.
12.45—News; Topical.
1.0—Request Music.
1.30—Louis Levy's Orchestra.
2.0—Billy Cotton's Band with Peter Williams, Alan Breeze and Jack Doyle.
2.30—Jane Carr.
2.45—The Open Road.
3.0—Songs.
3.30—Major and Minor.
3.45—Al Collins' Band.
4.0—Music-Hall.
5.0—Light music.
5.15—Carrol Levis and his Radio Discoveries.
5.30—Hildegarde.
5.45—Dance Music.
6.0—Harold Ramsay (Organ).
6.15—Musical Cavalcade.
6.30—Revue, with Jack Hylton's Band.
7.0—Ace of Hearts Orchestra.
7.15—Variety with Elsie Randolph, Peggy Desmond, Paul England and Monia Litter.
7.30—News; Sports.
8.0—Light Music.
9.30—Humorous Sketches.
10.0—Film Songs.
10.30—Light Music
10.45—Variety.
11.0—Vaudeville.
11.15—Request Music.
11.30—Popular Music.
11.45—Rhythm.
12.0 m't.—Midnight Melodies.
12.30-1.0 a.m. (Monday) — Dance Music.

RENNES-BRETAGNE (France)

1,040 kc/s (288.5 m.); 120 kW.

Transmits at intervals from 7.0 a.m.

- 2.0 p.m.—"Giroflé-Girofla" (Lecocq) from the Municipal Theatre, Rennes.
5.0—Programme from Paris (PTT).
6.10-9.30—See Leipzig.
9.40—French Songs from Nantes. After the Programme, News; Concert.

ROME GROUP (Italy)

Rome (No. 1), 713 kc/s (420.8 m.);

50 kW. Bari (No. 1), 1,059 kc/s

(283.3 m.); Palermo, 565 kc/s

(531 m.); Bologna, 986 kc/s

(304.3 m.).

- 7.20-7.50 a.m.—Time; News.
8.20—For Soldiers.
9.0—Rural Programme.
10.0—See Turin Group.
11.0-11.15—Bible Reading.
11.20 a.m.-1.15 p.m.—See Turin Group.
3.45—Sports.
4.0—"Gli innamorati"—Three-Act Play (Goldoni).
6.25—Sports.
6.47—Variety.
7.0—Time; News; Talk.
7.30—Light Music.
8.0—Band of the Carabineers. Conductor: Cirenei. Overture, "Tutti in maschera" (Pedrotti). Prelude and Fugue in C (Bach-Vessella). Andante cantabile from the Pathetic Sonata (Beethoven-Vessella). Scherzo (Scarlatti - Palombi). Selection, "William Tell" (Rossini-Vessella). Waltz, Estudiantina (Waldteufel).
8.50—Talk.

- 9.0—Lajos Heimlich (Pfte.). Sonatas in G minor and E major (Scarlatti). Serenade, "Don Giovanni" (Mozart-Backhaus). Toccata (Schumann). Rondo on Hungarian Folk Themes (Bartok). Presto, "Ruralia Hungarica" (Dohnányi). Ninth Hungarian Rhapsody (Liszt).
9.45—Dance Music.
10.0—News.
10.15-10.55—Dance Music.

SOTTENS (Switzerland)

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

- 8.55 a.m.-1.0 p.m.—From Geneva.
8.55—Chimes.
9.0—Protestant Service from St. Gervais' Church.
10.15—Montillet (Organ) from Geneva Conservatoire. Chaconne in F minor (Pachelbel). Pastorale (Franck). Pastorale (Guilmant). Toccata and Fugue in D minor (Bach).
10.45—Records: Trio in E (Ferroud) by the Paris Woodwind Trio.
11.0—Daily Wisdom.
11.20—To be announced.
11.30—News; Weather.
11.40—Records.
12.15 p.m.—Panzéra (Baritone). Songs (Duparc): (a) Le manoir de Rosemonde, (b) Serenade florentine, (c) Lamento. Aria, "Les Indes galantes" (Rameau). Auprès de cette grotte sombre (Debussy). Je tremble en voyant ton visage (Debussy). Le vigneron (Maurice Emmanuel). Le pommier d'août (Maurice Emmanuel).
12.45-1.0 — Records: Polovtsian Dances (Borodin, arr. Glazunov-Rimsky-Korsakov) by the Philadelphia Symphony Orchestra. Conductor: Stokowski.
2.15-3.10—Football Commentary.
5.0-6.10—From Geneva.
5.0—Dance Records.
5.30—Protestant Address.
6.0—To be announced.
6.10-9.30—See Leipzig; at 7.10-7.20—News; and at 8.35-8.45—Sports Notes.

STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW.

Relayed by Motata, 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.).

- 8.0 a.m.—For Farmers.
8.30 — Records: Ninth Symphony (Schubert) by the BBC Symphony Orchestra. Conductor: Sir Adrian Boult.
9.25-9.45—Spring Broadcast Talks.
10.0—Methodist Service.
11.40—Weather; News.
12.0 noon—England's Band.
12.30 p.m.—Reading.
1.0—Symphony Concert from Malmö. Malmö Concert Orchestra. Guest Conductor: Schnéevoigt. Börje Hansson (Violin). Second Symphony (Lars-Erik Larsson). Violin Concerto in B minor (Saint-Saëns).
2.10—Talk.
2.30—For Children.
3.0—Bagarotti (Violin), Eric Schmidt (Pfte.). Violin: (a) Melody (Glück-Kreisler), (b) Hymn to the Sun (Rimsky-Korsakov). Pfte.: (a) Nocturne and Two Mazurkas (Chopin), (b) Ondine (Ravel). Violin: (a) Liebesleid (Kreisler), (b) Spanish Dance (Granados-Kreisler).
3.30—English Lesson.
4.0—Weather; Records.
5.0—Evensong from the Gustaf Vasa Church.
6.15—Weather; News; Talk.

SUNDAY (January 16)

7.10—Liedeslieder-Walzer (Brahms), by the Radio Choir and Ribbing and Pettersson (Pfte. Duo).
7.40—Cabaret.
8.45—Weather; News.
9.0—Light Music by Karin Juel and Forsell (Songs), Groth (Violin), Nils Larsson (Guitar), Waldimir (Pfte.).
9.45-10.0—Sports Notes.

STRASBOURG (France)
 859 kc/s (349.2 m.); 100 kW.
6.45 a.m.—Gym.
7.0-8.30—News (French and German).
9.0-10.0—See Paris (PTT).
10.0—Records.
10.45—Protestant Service.
11.30—Roman Catholic Service (German).

12.0 noon—Records.
12.35 p.m.—News.
1.0—Records: Popular Music.
1.25—Ski-ing Report from Pontarlier.
2.0—A Musical Journey through France—Records.
2.45—Commentary from Metz: The Metz v. Strasbourg Football Match.
3.45—Talk.
4.0—French Regiments—the Eightieth Military Band from the Hôtel des Mines, Metz.
5.15—See Paris (Radio-Paris); at 6.0—For Farmers.
7.0—News.
7.30—Excerpts from a Violin and Pfte. Sonata (Schubert) by M. and Mme Seiler.

7.45—News (German, French).
8.30—Orchestra. Conductor: Bour. Roskam (Cello). Alfred Grégoire (Violin). Overture, "The Caliph of Baghdad" (Boieldieu). Cello: Le Cygne (Saint-Saëns). Suite, La Source (Delibes). Canzonetta (Tchaikovsky). Waltz, Träume an der Donau (Stolz). Pizzicato-Polka (Strauss). Perpetuum mobile (Strauss). Potpourri, Von Wien durch die Welt (Hruby).
9.30—"Le beau Dunois" (Lecocq). Conductor: Maurice de Villers. Cast: Delançay, Stimpfling, Lucien Weber, Inès Maujean and Suzanne Hillemeier.
10.30—News (French, German).
11.0—Dance Music.

STUTTGART (Germany)
 574 kc/s (522.6 m.); 100 kW.
5.0 a.m.—See Hamburg.
7.0—Weather; For Peasants; Gym.
7.30—Roman Catholic Service.
8.0—Hitler Youth Choir.
8.15—Records: Light Music.
9.0—Storm Troopers' Programme. "Über allem das Reich"—Cantata (Philipp); Songs, Poems and Address.
9.30 (from Karlsruhe) — Wittmer Music. In the interval, Reading.
10.0—With the KdF on board "Der Deutsche" from Genoa to Naples and Palermo to Venice.
10.50—Records.
11.0—See Berlin; at 12.0 noon-12.15 p.m.—Topical.

1.0—"On the Yellow Coach"—Humorous Journey with Punch.
1.30—Records.
3.0—Light Classical Music from Saarbrücken.
5.0 (from Karlsruhe) — Hermann Burte's Poems—Sequence (arr. Werner).
6.0—News; Sports.
6.30—Ulm Madrigal Choir. Conductor: Hayn. Heinz Matthéi (Tenor). Otto Sonnen (Pfte.).
7.0—Winter Relief Fund Concert.
9.0—Time; News.
9.35—Concert (contd.).
11.0 p.m.-12.0 m't.—See Frankfurt.

TOULOUSE (Radio-Toulouse) (France)
 913 kc/s (328.6 m.); 60 kW.
11.40 a.m.—Orchestra. From Vienna to Rome (Ackermans). Jungle Drums (Ketelbey).
11.48—Roman Catholic Address; O Salutaris (Webbe).
12.0 noon—News.
12.30 p.m.—Film Music.
12.40—Talk.

12.45—Viennese Orchestra. September (Rogé). Vision de Salomé (Joyce). When the white Lilac blooms again (Doelle). The Cage in the Window (Morton). Gavotte (Czibulka).
1.15—Excerpts, "Enlevez-moi" (Gabaroché).
1.45—Musetta Orchestra.
2.0—News.
2.5-2.15—Protestant Address.
4.30—English Concert.
6.40—Chansonnettes.
6.55—News; Sports.
7.15—Light Music.
8.0—Bal Champêtre.
8.30—Variety.
8.45—Quadrilles.
9.0—"La Grand'route"—Fantasy.
9.30—Jazz.
10.0—News.
10.15—English Concert.
11.15—Excerpts, "The Dubarry" (Millöcker).
11.35—Light Music.
11.50-12.0 m't.—News.

TURIN GROUP (Italy)
 Turin (No. 1), 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), 814 kc/s (368.6 m.); Genoa (No. 1), and Trieste, 1,140 kc/s (263.2 m.); Bolzano, 536 kc/s (559.7 m.); Florence (No. 2), 1,258 kc/s (238.5 m.); and Rome (No. 2), 1,222 kc/s (245.5 m.).
7.30-7.50 a.m.—News.
8.20-10.0—See Rome (No. 1).
10.0—Mass from the Church of the Annunciation, Florence.
11.0-11.15—Bible Reading.
11.20—Sports.
11.30—Request Music.
12.0 noon—News.
12.15 p.m.—Variety.
12.45-1.15—Records.
2.30-3.15—Football Match Report.
3.45—Sports.
4.0—Symphony Concert from the Teatro Adriano, Rome. Conductor: Ferrero. The Eroica Symphony in E flat (Beethoven). Symphonic Poem, Tempo alto (Lavagnino). La Valse (Ravel). The Ride of the Valkyries (Wagner).
6.25-7.30—See Rome (No. 1).
7.30—Light Music.
7.36 (Rome (No. 2) only)—News and Talk in English.
8.0—"Frederica" (Lehár). Conductor: Luigi Malatesta. Cast: Nina Artuffo, Amelia Mayer, Vincenzo Capponi and Angelo Zanobini. In the intervals, Talk; Announcements.
10.0—News.
10.15-10.55—Dance Music.

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.).
6.45 a.m.—Chimes; Sonata in F sharp minor (Reger) by Gerda Pompe (Organ).
7.5—Motto; Weather; Programme Announcements; Gym.
7.30—Weekly Hints.
7.45—Records.
8.45—Mass from the Franciscan Church.

10.0—For Farmers.
10.40—Announcements.
10.45—Vienna Symphony Orchestra. Conductor: Keldorfer. Therese Tröster (Pfte.). Pantomime Prelude (Keldorfer). Variations on an old Dance Song (Schnopfhagen). Pfte. Concerto in C (Beethoven). Divertimento (Trapp).
11.55—Winter Relief Fund Concert. Station Orchestra. Conductor: Sandauer. Jaro Schmied (Violin). March, O du mein Oesterreich (Preis). Overture, "The Gipsy Baron" (J. Strauss). Waltz, "Die Fledermaus" (J. Strauss). Die Post im Walde (Schäffer). Violin: Andacht (Geyer). Parade of the Tin Soldiers (Jessel). Selection, "Lilac Time" (Schubert-Berté). March, Linzer Buam (Drescher). Ja so an Weana kennt ma von weitem (Hoffmann). Ich hab' dem Glück ins Aug' gesehn (Geyer). Tango, Ein Krügerl Bier, das ist mein Trost (Mahrer). Potpourri, Für meine Freunde (Komzák). Grossmütterchen (Lange). Song from Der lachende Ehemann (Eysler). March (Komzák).
1.20 p.m.—Trailer of Next Week's Programmes.

2.0—News.
2.15—Book Review.
2.40—Chamber Music. Albert Meitner (Violin). Leopold Bracharz (Viola). Otto Schindler (Guitar). Serenade (Küffner). Divertimento (Zanke).
3.10—Talk: Hans Molisch.
3.35—"Wilhelm Wiesberg"—Sequence (Josef Bergauer) with Mimi Brix, Otto Glaser and the Author. Kurt Zahradnik (Pfte.).
4.5—Josef Leitgeb reads from his own Works. Introductory Talk by Josef Wenter.
4.30—Variety and Competition.
4.45—"Ghosts, Fairies and Fabulous Monsters"—Records.
6.0—Sports.
6.10—Reading.
6.35—Station Orchestra and Alte Deutschmeisterkapelle. Conductors: Schönherr and Herrmann. Vera Schwarz (Soprano). Franz Borsos (Tenor). Hönigsberg (Trumpet). Nahlitschek (Violin). Overture, "Pique Dame" (Suppé). Tenor Aria, "Don Cesar" (Dellinger). Waltz, Badner Madln (Komzák). Soprano: Czardas from "Cagliostro in Wien" (J. Strauss). Humoresque on a Viennese Melody (Reindl). Kadettenmarsch (Herrmann). Duet, "The Land of Smiles" (Lehár). Waltz, "Where the Lark sings" (Lehár). Soprano Song, "The Tsarevitch" (Lehár). Brucker Lagermarsch (Krall). Matrosen an Land (Charrosin). Duet, "Venus in Seide" (Stolz). Tenor: Tarantella (Schönherr). Trumpet: Bersagliermarsch (Stilp). Overture, "Wiener Frauen" (Lehár). Tenor: Song, "Die goldene Meisterin" (Eysler). Violin: Columbine (Rosner). Duet, "La belle Hélène" (Offenbach). Soprano: Song, "Wiener Blut" (Strauss-Müller). Potpourri, Grösse von der Weinkost (Herrmann). Tenor Song, "Der arme Jonathan" (Millöcker). Soprano: Barcarolle (Tchaikovsky-Klein). Waltz, Aus Marine-Kreisen (Jaksch). Der Landgendarm (Föderl). Duet, "The Gypsy Princess" (Kálmán). Gallop, Flirt (Ziehrer).
8.35—Recordings of last week's Broadcasts.
9.10—News; Sports.

10.0-10.30—Dance Music. Conductor: Sandauer.
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.).
7.0 a.m.—Time; Carol; News.
7.15—For Country People.
8.0—See Wilno.
9.30—Bach Chorals.
10.0—Records: Marches.
10.30—Topical Report.
10.57—Time; Fanfare.
11.3 (from Katowice)—Symphony Concert.
12.0 noon—See Wilno.
12.10 p.m.—Reading.
12.30—See Wilno.
1.40—Talk: Our Announcers.
1.45—For Country People.
2.15—See Wilno.
2.45—For Children.
3.5—Lefeld and Rosenbaum (Pftes.) Suite (Friedmann). Six Studies (Schumann-Debussy).
3.45—Reading.
4.0—Concert from the Hotel Bristol. Station Orchestra. Conductor: Górzynski; The Komorowski Brothers; the Radio Three, etc.; at 4.55—Talk.
6.0 (from Lwów)—A Play (Kraszewski).
6.30—Records of Galli Curci (Soprano) and Casadesu (Pfte.).
7.35—Programmes; Political Review.
7.50—News; Sports.
8.15—See Wilno.
9.0—Song Recital.
9.25—See Wilno.
9.50-10.0—News.

WILNO (Poland)
 536 kc/s (559.7 m.); 50 kW. Transmits at intervals from 7.0 a.m. Programme for the Tenth Anniversary of Wilno Station.
8.0 a.m.—Mass (Griesbacher) with Address by Abbé Sledziewski.
9.30—See Warsaw.
10.0—Orchestral Records.
10.30—See Warsaw.
10.57—Time; Fanfare.
11.3—Symphony Concert from Katowice.
12.0 noon—Talk: Wilno and Art.
12.10 p.m.—See Warsaw.
12.30—Polish Music. Station Orchestra, Conductor: Szczepanski; Grabowska (Songs). Overture, "Flis" (Moniuszko). Selection, "Manru" (Paderewski). Four Songs (Wieniawski). Piece (Swierzynski). Caprice (Jozefowicz). Lowicz (Maklakiewicz). Two Songs (Pankiewicz). Suite of Cracoviennes (Rybicki).
1.40-2.15—See Warsaw.
2.15—Kaskada Ensemble.
2.45—Recitations.
3.5-6.0—See Warsaw.
6.0—A Play (Kraszewski) from Lwów.
6.35—Mieszkaniec Ensemble.
7.30—Programme Notes; Sports.
7.50-8.15—See Warsaw.
8.15—"The Knight of the Pale Countenance" (arr. Bujnicki, Dabrowski and Szeligowski).
9.0—See Warsaw.
9.25—String Quartet in D, minor (Moniuszko).
9.50—See Warsaw.
10.0-10.30—Records.

10.0-10.30—Dance Music. Conductor: Sandauer.
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.).
7.0 a.m.—Time; Carol; News.
7.15—For Country People.
8.0—See Wilno.
9.30—Bach Chorals.
10.0—Records: Marches.
10.30—Topical Report.
10.57—Time; Fanfare.
11.3 (from Katowice)—Symphony Concert.
12.0 noon—See Wilno.
12.10 p.m.—Reading.
12.30—See Wilno.
1.40—Talk: Our Announcers.
1.45—For Country People.
2.15—See Wilno.
2.45—For Children.
3.5—Lefeld and Rosenbaum (Pftes.) Suite (Friedmann). Six Studies (Schumann-Debussy).
3.45—Reading.
4.0—Concert from the Hotel Bristol. Station Orchestra. Conductor: Górzynski; The Komorowski Brothers; the Radio Three, etc.; at 4.55—Talk.
6.0 (from Lwów)—A Play (Kraszewski).
6.30—Records of Galli Curci (Soprano) and Casadesu (Pfte.).
7.35—Programmes; Political Review.
7.50—News; Sports.
8.15—See Wilno.
9.0—Song Recital.
9.25—See Wilno.
9.50-10.0—News.

MONDAY Jan. 17

NATIONAL

Time Signals (normally): Big Ben, 10.15 a.m., 5.15 p.m., 12 midnight. Greenwich, 10.30 a.m., 2.0, 6.0, 9.0, 11.30 p.m.

10.15 a.m. (D)—Service.
10.30 (D)—Weather Forecast.
10.45—Cinema Organ.
11.15 — "Famous Houses and Families of Wales."
11.30—BBC Scottish Orchestra: Jean Laird Bruce (Contralto).
12.30 p.m.—Alan Gibson (Organ).
1.0—"The World Upside Down."
1.15—Sextet. 2.0—Records.
2.0—Sonata recital.
2.0—Hastings Municipal Orchestra.
3.45—Cinema Organ.
4.15—Records.
5.0—John Reynders's Orchestra Frances Hatfield (Mezzo Soprano).
6.0—The First News.
6.20—Beata Grenelli (Soprano).
6.40—Music talk.
7.0—"Monday at Seven."
7.45—Robt Wilton in "The Court of Not-so-Common, Please!"
8.0—"How Films are Made."
8.30—"The Count of Monte Cristo."
9.0—The Third News.
9.20—"World Affairs."
9.35—"Blues," by Charles Chilton.
10.5 — "Forgotten Rivalries:" Handel—Buononcini.
11.0—Jack Jackson's Band.
11.30-12.0—Henry Hall's Orchestra

REGIONAL

Time Signals (normally): Big Ben, 10.15 a.m., 5.16 p.m., 12 midnight. Greenwich, 10.30 a.m., 7.0, 10.0, 11.30 p.m.

10.15-10.45 a.m. (ex. Western)—National. 10.45—Orchestra: Lillian Evans (Soprano).
10.45 (Western)—National.
11.30 (ex. Western)—Records.
12.15 p.m. (ex. Western)—The Harp Trio. 12.45—Records.
1.15 (ex. Western)—Ballads.
1.45 (ex. Western)—Max Pirani (Pfte.). 2.15—Records.
3.0 (ex. Western)—Falkman's Apache Band. 3.40—Short story.
4.0 (ex. Western)—Snooker commentary Melbourne Inman v. Sidney Smith. 4.30—Vaudeville.
5.0 (ex. Western)—Children's Hour.
5.0 (Western)—National.
6.0 (ex. Midland, Northern, Welsh)—The Celebrity Trio.
6.0 (Midland)—Male Voice Choir.
6.0 (Northern)—Band.
6.0 (Welsh)—Sextet.
6.30 (ex. Western, N. Ireland)—Reginald Foort (BBC Theatre Organ).
6.30 (Western)—Dance Band.
6.30 (N. Ireland)—Tunes Old and New. 6.45—Agricultural Review.
7.0—The Second News.
7.20—Regional Announcements.
7.30 (ex. Midland, Western, N. Ireland)—Alkan: Egon Petri (Pfte.).
7.30 (Midland)—"Songs for Schools."
7.30 (Western)—Church Music.
7.30 (N. Ireland)—For Farmers.
7.50 (N. Ireland)—The Orpheans.
8.0 (Regional, Midland, Western)—"The Pig and Whistle," by Charles Penrose.
8.0 (Northern)—Excerpt from "Dick Whittington."
8.0 (Welsh)—Dance Band.
8.0 (Scottish)—Excerpt from "The Forty Thieves."
8.30 (Regional, Western)—Records.
8.30 (Midland)—Birmingham Military Band: Harold Wollaston (Tenor).
8.30 (Northern)—"Songs from the Amateur Yorkshire Shows."
8.30 (Welsh)—Welsh talk.
8.30 (N. Ireland)—Music talk.
8.30 (Scottish)—"Backstage at Bellahouston." 8.45—Piping.
8.45 (Welsh)—Gwent Lewis (Tenor); BBC Welsh Chorus and Orchestra.
8.45 (N. Ireland)—BBC Northern Ireland Orchestra: Tchaikovsky.
9.0 (Regional, Western, Scottish)—Carl Flesch (Violin); The Scottish Orchestra, Conductor, Georg Szell.
9.10 (Midland)—Birmingham Philharmonic String Orchestra.
9.30 (Northern)—The Newcastle String Players: Dorothy B. Wood (Pfte.).
9.45 (Welsh)—"Y Grefft o Fyw."
10.0—News Summary.
10.25 (ex. Western)—Jack Jackson and his Band. 11.30—Records.
11.50-12.0 (ex. Western)—Late News Summary.

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 100 kW. Dublin, etc. See Sunday.
1.30 p.m.—Records.
2.30-3.0—For Schools.
5.30—Among the Children.
6.0—Lindsay Seymour Programme—Frank O'Higgins (Violin) and Julia Gray (Pfte.).
9.35—Irish News Feature.
6.45—News.
7.0—Richard Strauss Programme—Records, and Mollie Phillips (Soprano).
7.45—How I founded the Gate Theatre, by Hilton Edwards.
8.0—Sullivan and German Concert—Irish Radio Orchestra.
8.40—Improve your Bridge.
9.0—"The Veteran"—Play (Stephen Grace), after a story by Alphonse Duadet, presented by Eva Paton Watkinson.
9.30—Variety.
10.30—News; National Anthem.

BARCELONA (EAJI)

(Spain)
795 kc/s (377.4 m.); 7.5 kW. Transmits at intervals from 8.0 a.m.
9.0 p.m.—News; Topical; Records.
11.0—Topical Talk.
11.15-12.0 m't.—News in Foreign Languages.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 5.0 a.m.
11.0 a.m.—See Leipzig.
1.0 p.m.—Weather; News.
1.15—Globe Band.
2.15—Exchange; Markets.
2.35-3.0—Records.
3.30—"Der Zauberlehrling"—Play after Goethe (Wioka).
4.0—Quartet (Reznick).
4.30—A. E. Johann describes Cowboy Life in Australia.
5.0—The Krepela Sextet and the Paul Reich Accordion Duo.
6.0—News.
6.10—Records of the BBC Symphony Orchestra. Conductor: Sir Adrian Boult. Gavotte (P. E. Bach). Overture, "Hansel and Gretel" (Humperdinck). Three Hungarian Dances (Brahms). Overture, "Masaniello" (Auber). Le carnaval romain (Berlioz).
6.45—Evening Echoes.
7.0—Variety, Station Orchestra, etc.
9.0—News; Sports.
9.30-11.0—See Cologne.

BEROMÜNSTER

(Switzerland)
556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.).
5.30-5.50 a.m.—Gym.
11.0—Records.
11.29—News; Exchange.
11.40 a.m.-12.45 p.m.—Radio Sextet.
3.0—Records: Light and Dance Music.
4.0—Old Music for Flute and Strings.
4.50—Records: The Origin of Design (Handel).
5.0—For Children.
5.30—Werner Zbinden (Entertainer).
6.0—Time; Records.
6.10—For Ski-ers.
6.20—Talk: Death is Life.
6.45—Weather; News.
6.55—Berne Mandoline Band.
7.15—Talk: Röntgen Rays.
7.40—Sixteenth and Seventeenth Century Music.
8.10—News; Programmes.
8.15—Weekly Review for Swiss Abroad.
8.30-9.30—See Sottens.

BRATISLAVA

(Czechoslovakia)
1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 5.15 a.m.
5.0 p.m.—Hungarian Transmission: Talk; Reading.
5.45-6.10—See Prague.
6.10—Topical.
6.15-7.10—See Prague.
7.10—Bella Songs by the Slovak University Students' Choir.
7.35—"Detvan"—Dramatic Poem (Sládkovič); Music by Matuska.
8.25-9.15—See Prague.
9.15—News (Hungarian).
9.30-10.0—Records.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz and Görlitz, 1,231 kc/s (243.7 m.).

Transmits at intervals from 4.30 a.m.
11.0 a.m.—See Hamburg.
1.0 p.m.—News; Exchange.
1.10-2.0—Band and Accordions.
3.0—Orchestra; at 4.0—Reading.
5.0—Talk: General Blücher.
5.20—"The Cricket and the Nightingale"—Fable (Turley); Music by Szuka.
5.50—Programmes; Markets.
6.0—News.
6.10—"Hurra, hurra, es blüht der Kitsch"—Musical Sequence.
6.20—"The Hundred and twenty-fifth Blue Monday"—Variety. Orchestra and Dance Band, Maria Ney (Compère), Lilli Claus (Soprano), Groh (Tenor), and The Three Akriyeros (Accordions).
9.0—News; Motto.
9.20—To be announced.
9.30-10.30—See Cologne.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.15 a.m.
4.40 p.m.—German Transmission: Music Talk; Records; Reading.
5.15—News.
5.20—For Workers.
5.30—Morse Lesson.
5.45-6.55—See Prague.
6.55—Talk: Army Mechanisation.
7.10—See Prague.
7.35—See Bratislava.
8.25-10.0—See Prague.

BRUSSELS (No. 1)

(Belgium)
620 kc/s (483.9 m.); 15 kW. 6.30-9.5 a.m.—Records; Gym; News.
12.0 noon—Records: Light Music.
12.30 p.m.—Weather; Shipping.
12.32—Schnyders Orchestra.
1.0—News; Topical.
1.10—Schnyders Orchestra.
1.30—Records: Light Music.
2.0-2.3—Art Notes.
4.55—News; Announcements.
5.0—Brenders Dance Band.
5.15—Talk: The Walloon Museum.
5.30—Brenders Dance Band.
6.0—Talk.
6.15—Salon Orchestra. Conductor: Féron. Pol Gilson (Baritone).
6.30—Records: Scherzo in B flat (Chopin) by Marcel Ciampi (Pfte.).
6.40—Salon Orchestra (contd.).
7.0—Hygiene and Sports Reviews; Interview.
7.15—Records: Light Music.
7.30—News; Topical.
8.0—Rhapsodies—Radio Orchestra. Conductor: Gason. Hungarian Rhapsody (Liszt). Rhapsody in Blue (Gershwin). Slav Rhapsody (Friedemann).
8.30—Unfamiliar Songs and Poems by Suzanne Braconnier (Songs) and Joz (Récitations). L'origine de la harpe (Berlioz). Poems (Gérard de Nerval). Villanella (Berlioz). Le calme (Gounod). Poems (Gérard de Nerval). Le boléro (Gounod).
9.0—Ballet, "Sylvia" (Delibes) by the Radio Orchestra. Conductor: Gason.
9.15—"Dessins animés"—Fantasy (Tévenou).
9.40—Radio Orchestra. Conductor: Gason. Vocal Quartet. Ouverture burlesque (Méhul). Apache Waltz, Paris Suite (Haydn-Wood). Songs. Two Hungarian Dances (Brahms).
10.0—News; Record.
10.15—Poetry Review.
10.30-11.0—Records.

BRUSSELS (No. 2)

(Belgium)
932 kc/s (321.9 m.); 15 kW. Programme in Flemish.
6.30-9.5 a.m.—Records; Gym; News.
12.0 noon—Records.
12.30 p.m.—Weather.
12.31—Light Orchestra.
1.0—News; Shipping.
1.10—Light Orchestra.
1.30-2.0—Records: Light Music.
4.55—News; Announcements.
5.0—Salon Orchestra. Conductor: Féron.
5.45—For Children.
6.30—Records: Light Music.
6.45—Talk for Fruit-growers.
7.0—Song Records.
7.30—Theatre and Sports Notes.
8.0—Records: Light Music.
8.30—Concert by the Association of Past and Present Students of the Royal Flemish Conservatoire, Antwerp. Conductor: Daan Sternefeld. De Vries (Pfte.), Bonné (Oboe), Lankswaerd, Van Hove and Van Pebergh (Bassoons). Air for Oboe and Orchestra (Verres). Pfte. Fantasia in C (Schumann). Suite for Three Bassoons (van Hoof). First Symphony (Beethoven).
10.0—News; Topical.
10.10-11.0—Request Records.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania, 160 kc/s (1,875 m.).
Transmits at intervals from 4.30 a.m.
5.0 p.m.—Cultural Review.
5.15—Sophie Petresco-Dămbovita Music by Filionesco (Pfte.) and Alexandresco (Songs).
5.45—Talk.
6.0—Waltzes—Radio Orchestra. Conductor: Rogalsky.
7.20—Educational.
7.30—Quartet in E flat (Beethoven) by the Theodoresco Quartet.
8.10—Eugenie Lucezarskaia (Songs). Die Lotosblume (Schumann). Sei mir gegrüsst (Schubert). Traum durch die Dämmerung (R. Strauss). Träume (Wagner). Der Erikönig (Schubert). Ich liebe dich (Grieg).
8.30—News; Sports.
8.45—Julea Orchestra.
9.45—News (French, German).

BUDAPEST (No. 1)

(Hungary)
546 kc/s (549.5 m.); 120 kW. Transmits at intervals from 5.45 a.m.
11.5 a.m.—Laskó Vocal Ensemble.
11.45—News.
12.0 noon—Horváth Cigány Band.
1.40 p.m.—News.
3.15—For Schools.
4.0—Zoltán Vécsey.
4.30—Greek Music by Barbara Issakides (Pfte.).
5.10—Zoltán Farkas.
5.35—Records.
6.35—Talk.
7.0—Budapest Concert Orchestra. Conductor: Fridl. Comedy Overture (Stephanides). Village Suite (Büder). Norwegian Dances (Grieg). Serenade (Pedrollo). Carnival Procession (Pedrollo). Waltz Fantasia (Halászy). Prelude (Lerche). Hungarian Rhapsody (Nagy). Sphärenklänge (Strauss). Overture, "Der Opernball" (Heuberger).
8.30—News.
8.55—Kertler Pfte. Trio.
10.0—News (German).
10.5—Angyal Jazz Band.
11.5—News.

BUDAPEST (No. 2)

(Hungary)
359.5 kc/s (834.5 m.); 18 kW. 5.35 p.m.—German Lesson.
6.5—Denes Huszti.
6.35—Vig (Saxophone).
7.30—Records: Seventh Symphony (Bruckner).

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 5.0 a.m.
11.0 a.m.—Orchestra.
12.0 noon—News; Greetings.
12.15 p.m.—Concert from Hamburg.
1.0—News.
1.15—Schrammel Quartet.
2.0-2.30—For Children.
2.45—Markets.
3.0—See Deutschlandsender; at 4.0-4.15—Winter in Folklore."
5.0—"Water in Folklore."
5.30—Liliencron Poems.
5.50—What do you think?
6.0—News.
6.10—European Concert from Holland (Recordings of Hilversum (No. 2) Concert of Wednesday, January 12).
8.0—Weekly Review.
8.40—Sonatas (Haydn) by Grape (Pfte.).
9.0—News.
9.30-11.0—Light and Dance Music.

DEUTSCHLANDSENDER

(Germany)
191 kc/s (1,571 m.); 60 kW. Transmits at intervals from 5.0 a.m.
11.0 a.m.—See Hamburg.
12.50 p.m.—News.
1.0—Variety—Jäger Band and Records.
2.0—Exchange; Markets.
2.15—Dance Records; at 2.30—Programmes.
2.45—Book Talk.
3.0—Station Orchestra; at 4.0—Reading.
5.0—"Land im Schnee" (Gert Randolph-Schmalnauer).
5.25—Oskar Sala (Trautonium).
5.45—Talk: Propaganda Films.
6.0—Motto; News.
6.10—"Die Trümpfe"—Ballads (Herbert Urban); Music by Paul Elbern).
7.0—Station Orchestra. Conductor: Dobrindt.
8.0—Report: Twenty-five Years of National Health Insurance.
8.15—Kulenkampf (Violin). Schultze (Pfte.). Suite (Reger). Sonata (Debussy). Jeux (Ibert). Albumblatt (Busoni). Campanella (Paganini).

9.0—News; Sports; Topical.
9.30-9.45—Serenade by the Gebel Trio. Sonata in A minor for Flute and Continuo (Loeille). Trio for Flute, Viola da Gamba, and Spinnet (Keiser).
10.0-11.0—Busch Dance Band.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Cassel, etc. See Sunday.
Transmits at intervals from 5.0 a.m.
11.0 a.m.—See Hamburg.
1.0 p.m.—News; Records.
2.0—Talk; Markets.
2.15—For Children.
2.45—Sports Talk.
3.0—Provincial Orchestra; at 3.45—Reading (Wilhelm Schäfer).
5.0—Topical.
6.0—Time; News; Weather.
6.15—See Stuttgart.
7.30—Light and Dance Music.
8.0—"Servant of Two Masters"—Comedy after Goldoni.
9.0—Time; News; Sports.
9.30—See Cologne.
11.0-12.0 m't.—See Stuttgart.

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW. Bremen, etc. See Sunday.
Transmits at intervals from 5.10 a.m.
11.0 a.m.—Hanover Castle Concert.
1.0 p.m.—News.
1.15—Music.
2.0—Shipping.
2.25—Spanish Music (Albeniz, Granados) by Irmgard Grippain-Gorges (Pfte.).
2.50—Ice Report.
3.0—Choir and Orchestra. Talks in the intervals.
5.0—Philipp Gretscher Music. Baritone, Choir, and Male Voice Quartet.
5.40—Talk for Farmers.
5.50—Weather; Shipping.
6.0—News.
6.10—Records.
7.0—Concert from the Musikhalle. Chamber Ensemble. Jakschat (Bass-Baritone). Divertimento in B flat (Mozart). Three Songs (Schubert). Songs: (a) Lob der Faulheit (Haydn). (b) Hochzeitslied (Loewe). (c) Abschied (Wolf). Septet in E flat (Beethoven). In the intervals: Two Sketches: (a) "The Composer and his Circle," (b) "A Stroll through Old Vienna" (Hans-Wilhelm Kulenkampf).
8.30—Operetta Records. Excerpts from "Wiener Blut" (Strauss), "Boccaccio" (Suppé), "Der Bettelstudent" (Millocker), and "The Cousin from Nowhere" (Künneke).
9.0—News.
9.20—Book Review: "Hermann Göring—Mensch und Werk" (Gritzbach).
9.30-11.0—See Cologne.

HILVERSUM (No. 1)

(Holland)
160 kc/s (1,875 m.); 10 kW until 2.40 p.m.; 150 kW from 2.40 p.m. Also on Lopikerkapel, 722 kc/s (415.4 m.); 17 kW. * See page 20.
VARA Programme.
7.40 a.m.—Records.
9.40—VPRO Religious Programme.
10.0—Recitation and Records.
11.10—Steyn (Organ).
11.40—Records.
12.10 p.m.—VARA Orchestra. Conductor: de Groot.
12.55-1.25—Records.
1.40—The Hague String Quartet.
2.10—Recitations.
2.45—Jong (Organ).
3.10—The Hague String Quartet.
3.40—Concert by the "Fantasia." Conductor: Walis.
4.10—For Children.
4.40—Records.
4.55—The Ramblers. Conductor: Masman.
5.40—Amateurs' Programme.
6.10—Talks.
7.10—Askenase (Pfte.).
7.40—News.
7.50—"Saul"—Oratorio (Handel). "De Stem des Volks" Choir.
9.10—Records.
9.40—News.
9.45—VARA Orchestra. Conductor: de Groot.
10.40-11.40—Records.

HILVERSUM (No. 2)

(Holland)
995 kc/s (301.5 m.); 15 kW until 6.10 p.m.; 60 kW from 6.10 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—Reading.
11.10—Records; at 11.40—News.

12.10 p.m.—“Stichts” Salon Orchestra.
 1.40—For Schools.
 2.15—Records; at 2.40—Talk.
 3.25—Bible Reading.
 4.25—Karsemeijer (Pfte.).
 4.55—For Children.
 5.55—Records; Letter-box; Announcements; Report.
 7.40—News.
 7.55—Gray (Organ).
 8.55—Records; Talk.
 9.50—News.
 10.0—Dutch Chamber Music Ensemble; at 10.25—Gym.
 11.10-11.40—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 6.0 a.m.
 11.0 a.m.—1.0 p.m.—Prcil's Ensemble.

1.30—Radio Orchestra. Conductor: Tuxen. Helga Christensen and Lilli Birk (Sopranos). Overture, “The Black Domino” (Auber). Paraphrase on Two Venetian Folk Songs (Reesen). The Nutcracker Suite (Tchaikovsky). Ballet, “Sylvia” (Delibes). Sopranos: Song Cycle, Spring (Geisler). Overture, “Martha” (Flotow). Suite champêtre (Sibelius). Scènes alsaciennes (Massenet). Andante melodioso (Rachmaninoff). Selection, “Roses of Florida” (Fall). March, “Wienerfrauen” (Lehár); at 2.15—For Housewives.
 3.30—For Children.
 3.50—Announcements.
 4.0—Talk: Summer on the Riviera.
 4.25—Weather; Exchange; Markets.
 4.50—Songs from “Ali Baba comes to Town”; Records.
 5.15—Talk: Ravel.
 5.35—English Lesson.
 6.0—Time; News; Talk.
 6.30—Talk: North Spain.
 7.0—Report.
 7.30—Revue from the Lorry.
 8.30—The Golden Blonde.
 8.45—News.
 9.5—Ravel Concert. Breuning-Bache Quartet, Sylvia Schierbeck (Songs), Folmer Jensen (Pfte.). Pfte. Sonatina. Songs: (a) Sainte, (b) Epigramme, (c) Scheherazade, (d) Ronde. String Quartet in F.
 10.0-11.15—Prcil's Dance Band; at 11.0—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.
 11.0 a.m.—See Hamburg.
 1.0 p.m.—News; Talk; Music.
 1.55-2.0—Exchange.
 2.30—Fashion Hints; Dialogue.
 3.0—Orchestra.
 4.35—Talk: Lantern Slides.
 4.50—Ice Report.
 5.0—Talk: The NSKK.
 5.15—Hitler Youth Choir.
 5.50—Announcements.
 6.0—News; Road Report.
 6.10—“Riddles for Beginners”—Börschel Band, Peter Arco, etc.
 8.0—Topical.
 8.15—“Die Ballade im Eisenfenster”—a Winter Play (Huchel); Music by Stuhlmecher.
 9.0—News; Weather.
 9.20—“Three Salted Almonds”—Sketch (Peters).
 9.40-11.0—Music from Cologne.

LEIPZIG (Germany)
 785 kc/s (382.2 m.); 120 kW.
 Relayed by Dresden, 1,285 kc/s (233.5 m.).
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.—Fricke Band.
 1.0 p.m.—News; Exchange.
 1.10—Putsche Band.
 2.25—Talk.
 2.45—Report: The Reich Vocational Competitions.
 3.0—See Deutschlandsender; at 4.0—Markets.
 5.0—Talk: The North-West Passage.
 5.20—Book Review.
 5.40—Music.
 5.50—Topical.
 6.0—News.
 6.10—Fricke Band, March (Blankenburg). Traumwalzer (Müllöcker). Tango, Ala cumba (arr. Bruno Hartmann). Minuet and Mazurka in Old Style (Rust). Albumblatt (Wagner). Arabesque (Schönian). Serenade and Dance, Ein Abend in Toledo (Schmelting). Japanese Intermzzo (Joe Alex). In the Land of the Pyramids (Lautenschläger). Paraphrase on “Rose-Marie” (Blume - Weninger). Fairy-Tale

Overture, Spieglein, Spieglein an der Wand (Rust). Melody (Löhrl). Tarantella (Rossmann).
 7.0—Monthly Review in Words and Music.
 9.0—News; Weather; Sports.
 9.25—Science Review.
 9.35-11.0—Music from Cologne.

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.—Talk: The United States Universities Congress.
 5.30—Cholé (Pfte.).
 6.0—Book Talk.
 6.15—Berthe Paul (Cello).
 6.30—Economic and Social Notes.
 7.0—Italian Song Records.
 7.10—Talk in English.
 7.25—Record: Selection, “Broadway Melody of 1938,” by Reginald Foort (Cinema Organ).
 7.30—News; Weather.
 8.0—Rozanès Musette Orchestra.
 8.30—Symphony Concert. After the Programme, News.

LISBON (Portugal)
 629 kc/s (476.9 m.); 15 kW.
 Transmits at intervals from 12.0 noon.
 6.0 p.m.—Records.
 6.20—Military Notes; Concert.
 6.50—News; Concert.
 7.50—News; Spanish Notes.
 8.15—Films; Records.
 9.5—For Farmers; Music.
 9.50—Politics.
 10.0—Symphony Orchestra; at 10.30—News.
 11.30-12.0 m't.—News; Dancing.

LYONS (PTT) (France)
 648 kc/s (463 m.); 100 kW.
 Transmits at intervals from 6.30 a.m.
 8.30 p.m.—Opera Programme. Conductor: Waersegers.
 10.30—News (French, German).

MONTE CENERI (Switzerland)
 1,167 kc/s (257.1 m.); 15 kW.
 Transmits at intervals from 11.0 a.m.
 6.50 p.m.—News.
 7.0—To be announced.
 8.15—See Beromünster.
 8.30-9.30—See Sottens.

MOSCOW (No. 1) (Russia)
 172 kc/s (1,744 m.); 500 kW.
 4.30 p.m.—An Opera or Concert.
 8.30—News; Kremlin Chimes.
 9.0—Programme in English.
 10.0—Programme in Hungarian.
 11.0-12.0 m't.—Programme in Spanish.

MUNICH (Germany)
 740 kc/s (405.4 m.); 100 kW.
 Relayed by Nürnberg, 1,267 kc/s (236.8 m.).
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.—Light Orchestral.
 12.0 noon—News; Topical.
 12.15 p.m.—Classical Records.
 1.0—News; Exchange.
 1.15—See Cologne.
 2.0-2.30—For Children.
 3.0—Quartet in G minor (Grieg).
 3.40—Book Review.
 4.0—Weather; Markets.
 4.10—Light Orchestral.
 5.45—Report: Making a Bob-Sleigh Run.
 6.0—Weather; News.
 6.10—Winter Relief Concert.
 7.0—Station Dance Band. In the intervals, Marga Wening-Brem (Soprano), Engel (Marimba).
 8.0—Talk: Man and the Universe.
 8.20—Irma Lieske (Soprano), Knettel (Pfte.) and Würzburg Conservatoire Wind Ensemble. Quintet (Gieseking). Songs (Schubert): (a) Schlummerlied, (b) Erster Verlust, (c) Die Liebe hat gelogen. Traumswirren (Schumann). Songs (Schumann): (a) Schöne Fremde, (b) Intermzzo, (c) Der Nussbaum.
 9.0—News; Sports.
 9.20—To be announced.
 9.30-11.0—See Cologne.

NAPLES GROUP (Italy)
 Naples 1,104 kc/s (271.7 m.); 10 kW. Florence (No. 1), etc. See Sunday.
 6.0 p.m.—Light Music and Songs.
 6.15—Topical Talk; Records.
 7.0—Time; News.
 7.20—Government Report.
 7.30—Songs of Youth — Boys' Choir, Conductor: Consoli.
 8.0—To be announced.
 8.15—Bormioli-Semprini Pfte. Duo.
 8.45—Dance Music and Songs.
 9.30—Dance Music.
 10.0—News.
 10.15-10.55—Dance Music.

OSLO (Norway)
 260 kc/s (1,153.8 m.); 60 kW.
 Fredrikstad etc. See Sunday.
 Transmits at intervals from 9.30 a.m.

4.5 p.m.—Light Music.
 5.10—Talk.
 5.30—Kaas (Songs).
 5.45—News; Press Review.
 6.15—Economics.
 6.35—Accordion.
 6.55—Sketch.
 7.10—Bergen Radio Orchestra.
 8.10—Foreign Affairs.
 8.40—News; Topical Talk.
 9.15-10.0—Chamber Music—Telmanye (Violin) and Vársárhelyi (Pfte.). Sonata in G (Brahms). Dryads and Pan (Szymanowski). Pantomime (Falla - Kochanski). Russian Dance, “Petruška” (Stravinsky).

PARIS (Eiffel Tower) (France)
 1,456 kc/s (206 m.); 7 kW.
 Transmits at intervals from 6.30 a.m.
 7.0 p.m.—Music Review; Records.
 8.0—Yvonne François (Pfte.). Patard (Songs). Songs: (a) “Maitre Pathelin” (Bazin), (b) Berceuse de Jocelyn (Godard). Pfte.: (a) Au lac de Wallenstadt (Liszt), (b) Aufschwung (Schubert), (c) Caprice (Schumann). Songs: (a) Myro (Ganal), (b) Berceuse à l'enfant (Mélisard). Pfte.: (a) Les noces du Duc de Joyeuse (Hahn), (b) Valse vive (Moreau).
 8.30—See Lyons (PTT).
 10.30—Records.
 11.0-11.15—News.

PARIS (Poste Parisien) (France)
 959 kc/s (312.8 m.); 60 kW.
 Transmits at intervals from 7.10 a.m.
 12.0 noon—Exchange; Records.
 12.25 p.m.—News; Exchange.
 12.40—Records of Jeanne Aubert.
 1.15—Amusements; Records.
 1.50—Cinema Organ Records.
 2.0—Exchange; News.
 3.45 and 4.35—Exchange.
 5.0—News; Cabaret.
 6.0—Exchange; News; Record.
 6.15—Radio Magazine.
 6.30—Poems (Vildrac); Records.
 6.58—Topical; Talk.
 7.12—Sports; Amusements.
 7.20—Records of Mireille.
 7.40—Schubert Records. Wiegenglied. An die Musik. Der Tod und das Mädchen.
 7.50—Three Alibert Successes.
 8.0—Topical.
 8.10—Elyane Célis.
 8.15—Music.
 8.40—“La bonne histoire.”
 8.57—News.
 9.0—Max Regnier and Company.
 9.55—News.
 10.0—Music Talk.
 10.30-11.0—Cabaret.

PARIS (PTT) (France)
 695 kc/s (431.7 m.); 120 kW.
 Transmits at intervals from 6.30 a.m.
 4.0 p.m.—Revel (Organ) from the Schola Cantorum.
 4.30—Reading (Charles Dickens).
 4.45—Songs of Yesterday by Marthe Sarbel.
 5.0—Talk: Men and Books.
 5.15—Talk: 17th Century Lyrics.
 5.30—Records; For Gardeners.
 5.45—Announcements; Art Review.
 6.0—Commercial Talk.
 6.15—Talk: Trades Unions.
 6.30—Golestan Music presented by Pierre Leroi. Hania Dorgeles (Songs), and the Loewenguth Quartet. Quartet. Three Romanian Folk-Songs.
 7.0—Radio-Journal; News.
 8.0—Jean Clément and Pierrette Madd (Songs).
 8.30—“La machine à transposer”—Sketch with Music (Vorret).
 9.0—Chamber Music. Charron Trio, Madeleine Grey (Songs). Songs (Handel, Dourlen). Variations on a Theme of Handel (Beethoven). Songs (Gounod, Fauré, Debussy). Trio in D minor (Arensky).
 10.0—“Le pied de la table vous parle”—Sketch (Cleroucq), with the Author.
 10.30—Radio Journal; News.
 10.45—“La Pao”—Sketch after Aristophanes (Darnault).

PARIS (Radio-Paris) (France)
 182 kc/s (1,648 m.); 80 kW.
 6.28 a.m.—Programmes; Records.
 6.40—News; Gym; Records.
 7.15—News; Records.
 8.0-9.20—News; Notes; Records.
 10.15—Notes; Records; Reading.
 11.0—Records.
 11.45—Markets; Water Level.
 12.0 noon—Porée Orchestra.
 1.0 p.m.—Time; News; Exchange.
 1.30—Henriette Deligé (Songs).
 1.45—Porée Orchestra.
 2.5—“Démétrios”—One-Act Play (Jules Romains).

MONDAY (January 17)

2.30—Exchange; Markets.
 2.45—Mme Martinet - Dumont (Pfte.).
 3.0—Mlle Lequien (Songs).
 3.15—Women's Journals; Talks.
 3.45—Exchange; Markets.
 4.0—Odette Lebon (Songs).
 4.15—Reine-Marie Flachot (Cello); Anniversaries.
 4.45—Exchange; Markets.
 5.0—Giardino Orchestra. Ballet, “Sylvia” (Delibes) and “Les Fantoccini” (Lecocq). Selection, “L'amour masqué” (Messenger), “Flossie” (Szulc) and “Yes” (Yvain).
 6.0—Educational.
 6.30—Art Review; Talks; Notes.
 7.0—Educational.
 7.30—Books; Dietetics.
 7.55—Review by Paul Reboux.
 8.15—Time; Foreign Affairs.
 8.8—Home Affairs.
 8.15—Diana Corke (Songs).
 8.30—1914-1918 Authors' and Composers' Association Concert. Elsa Ruhlmann, Tubiana, Rambaud and Nelly Freval (Songs), Saillard (Recitations), etc. Songs (Chantrier, Vasseur, Davranches, Gailhard). Symphonic Poem, Minute printanière (Pierné). Poems, Prelude (Melrack). Four Ballads (Gaubert). Songs (Velones, Melrack, Dyck). Cortège d'Amphitryte (Gaubert). “Certain Général Bonaparte”—One-Act Play (Léry), with the Author as Victor Hugo; in the interval—News; Press Review; Review by Pierre Scize.
 10.30—Records; Light Music.
 10.45—Time; News; Programmes.



Exclusive “World-Radio” Picture
 Madame Any Daurelle, who takes a principal part in “Certain Général Bonaparte” at Radio-Paris (9.30 p.m. approx.)

PRAGUE (Czechoslovakia)
 638 kc/s (470.2 m.); 120 kW.
 Transmits at intervals from 5.15 a.m.
 5.10 p.m.—German Transmission: Reading (Mark Twain); Weekly Review; Talk: Folk Art in Slovakia.
 5.45—News (German).
 5.55—Record.
 6.0—News; Weather; Letters.
 6.15—Light Orchestral from Kosice.
 6.55—Talk.
 7.10—Pilsen “Smetana” Choir. Conductor: Gselhofer.
 7.35—See Bratislava.
 8.25—Nonet in F (Spohr).
 8.55—Local News.
 9.0—Time; News; Sports.
 9.15—German Lesson.
 9.35—Records.
 9.40-10.0—News (German).

RADIO-MEDITERRANÉE (France)
 1,276 kc/s (235.1 m.); 27 kW.
 Transmits at intervals from 12.15 p.m.
 7.0 p.m.—German Lesson.
 7.15—Talk.
 7.30—Request Programme.
 8.0—Talk; News; Exchange.
 8.15—Variety.
 8.5—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—Chansonnettes.
 7.15—News; Press Review.

7.45—Physical Exercises.
 8.0—Music in the Morning.
 8.15—Browning and Starr.
 8.30—Musical Barometer.
 8.45—Jane and John.
 9.0—The Open Road.
 9.15—Sports; Music.
 9.30—Military Band.
 9.45—Hildegard.
 10.0—In search of Melody.
 10.15—Popular Music.
 10.30—Light Music.
 11.0—Dance Music.
 11.15—Something for Everybody.
 11.30—Classical Music.
 12.0 noon—Concert of Light Music. La berline parisienne (Paul). Quand l'amour meurt (Millandy). La Czarine (Ganne). Quand Poiseau chante (Tagliarico). Si l'on ne s'était pas connu (Parès). Masquerade (Webster-Loeb). Léon tout court (Raiter). Who's afraid of the Big Bad Wolf (Churchill). Les patineurs (Waldteufel).
 12.45 p.m.—News; Topical.

1.0—Concert of Light Music. La lettre de Manon (Gillet). Quand on possède une femme (Bosc). Vous, qu'avez-vous fait de mon amour (Tibor). Scene, “Prime-rose” (Caillavet). Excerpt, “Madame Butterfly” (Puccini). Song Potpourri. Overture, “Lohengrin” (Wagner). Quand on s'aime bien tous les deux (Scotti). Tante Didiche Pa échappé belle (Chepfer).
 2.0—Fred Hartley's Sextet and Brian Lawrence.
 2.15—Film Songs.
 2.30—The Magic Carpet.
 3.0—Harold Ramsay (Organ).
 3.15—Gay Songs.
 3.30—Popular Music.
 4.0—What's on...
 4.15—Light Music.
 4.20—Popular Music.
 5.0—Light Orchestral.
 5.30—For Young People.
 5.45—Cuba in Music.
 6.0—Markets.
 6.5—Children's Corner.
 6.45—Talk; News; Racing.
 7.0—Light Music.
 7.25—News.
 7.45—Orchestral Records.
 8.0—Variety.
 9.0—Concert.
 11.0—Café Concert.
 11.45—News; Weather.
 12.0 m't.—Midnight Melodies.
 12.30-1.0 a.m. (Tuesday)—Dance Music.

RENNES-BRETAGNE (France)
 1,040 kc/s (288.5 m.); 120 kW.
 Transmits at intervals from 6.30 a.m.
 6.0 p.m.—Economic and Social Notes.
 6.30—Sports Talk.
 6.45—News in English.
 7.0—News.
 7.30—Songs from Marseilles (PTT).
 8.0—News; Records.
 8.10—Talk: Breton Festivals a Century ago
 8.30—Dramatic Programme: (a) “Mamiche”—Three-Act Play (Madeleine Monvoisin). (b) “La Fille du Bouif”—One-Act Farce (de la Fouchardière-Bussy). After the Programme, News; Music.

REYKJAVIK (Iceland)
 208 kc/s (1,442 m.); 16 kW.
 Transmits at intervals from 11.0 a.m.
 8.10 p.m.—Weather (Icelandic, German, English).
 8.20—Marches.
 8.40—News.
 9.15—Talk.
 9.40—Songs.
 10.0—Topical.
 10.15—Popular Orchestral.
 10.40—Moysé (Flute).

ROME GROUP (Italy)
 Rome (No. 1), 713 kc/s (420.8 m.); 50 kW. Bari (No. 1), etc. See Sunday.
 Transmits at intervals from 6.45 a.m.
 4.0 p.m.—News.
 4.15—d'Ottavi (Pfte.).
 4.55-5.5—Poems.
 6.0—Talk in French.
 6.20—Royal Geographical Society's Report.
 6.30—String Orchestra, Conductor: Petralia.
 7.0—Time; News.
 7.20—Government Report.
 7.30—Light Music.
 8.0—Orchestra. Conductor: Berrettoni. Maria Carbone (Soprano). Granda (Tenor). Overture, “La Cenerentola” (Rossini). Tenor

MONDAY (January 17)

Aria, "Tosca" (Puccini). Soprano Aria, "Cavalleria rusticana" (Mascagni). Tenor Aria, "Luigia Miller" (Verdi). Soprano Aria, "Madame Butterfly" (Puccini). Excerpts, "La Pisanella" (Pizzetti). Tenor Aria, "Manon Lescaut" (Puccini). Soprano Aria, "La Wally" (Catalani). Tenor Aria, "Martha" (Flotow). Soprano Aria, "Tosca" (Puccini). Overture, "Rienzi" (Wagner).

9.5—Film Notes.
9.15—Potpourri of Songs. Radio Orchestra, Conductor: Filippini.
10.—News.
10.15-10.50—Dance Music.

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

11.30 a.m.—News; Records.
12.0 noon—Talk.
12.5-12.45 p.m.—Records. Part I. Italian Opera. Part II. Schubert Songs by Elisabeth Schumann (Soprano) and Schlusnus (Baritone).
4.0-5.0—See Beromünster.
5.0—Records.
5.20-5.25—Esperanto Lesson.
5.30—Chess.
5.50-6.10—Talk: The History of Opera.
6.15—Micro-Magazine.
6.50—News.
7.0—Quartet Movement (Klose).
7.20—Talk: Modern Finance and Economics.
7.40—Paris Saxophone Quartet. Adagio (Mendelssohn). Wer frohe Wandersmann (Mendelssohn). Rondo (Roegen-Champion). Cordova (Albeniz). Cachecache (Clérise). Rustic Song and Dance (Guerrini). Fileuse (Borchard). Minuet and Finale from the Quartet in A (Haydn).
8.15—See Beromünster.
8.30—For Swiss Abroad: Songs of French Switzerland—Radio Suisse romande Orchestra and the "Chanson romande" Choir. Conductor: Haug.
9.30-10.0—The Council of the League—100th Session.

STOCKHOLM (Sweden)
704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday.

Transmits at intervals from 6.20 a.m. 4.5 p.m.—Folk Music.
4.30—Records.
5.30 (from Göteborg) — French Lesson.
6.0—News; Topical.
6.30—Brandel (Pfte.).
7.0—Talk: Swedish Politics Fifty Years Ago.
7.30—Naval Band. Conductor: Widner. March (Blankenburg). Overture, "Im Reiche des Indra" (Lincke). Selection, "Manon Lescaut" (Puccini). Waltz, "A Waltz Dream" (Oscar Straus). Selection, "Spring in Heidelberg" (Raymond). Japanese Ballet, Yedda (Mitra). Neptune's Carnival (Dahlström). San Lorenzo (Silva).
8.25—Parliamentary Review.
8.45—Weather; News.
9.0-10.0—Acts IV and V, "Judith" (Nathanael Berg) from the Royal Opera. Conductor: Greivilius. Cast: Brita Hertzberg, Joel Berglund, Karin Rydqvist, Simon Edwardson, Conny Molin.

STRASBOURG (France)
859 kc/s (349.2 m.); 100 kW.

Transmits at intervals from 6.30 a.m. 5.0 p.m.—Talk: French Provinces.
5.15—Meyerbeer Music by the Station Orchestra. Conductor: de Villers. Torch March. Overture, "The Huguenots." Ballet, "Le Prophète" Selection, "L'Africaine."
6.0—Economic and Social Notes.
6.30—Orchestra from Limoges (PTT).
7.0—News; Weather.
7.30—Songs from Marseilles (PTT).
8.0—News (German, French).
8.30—One-Act Plays by Le Groupe de l'Art social: (a) "Faux Pas" (François Richard), (b) "Maison de Campagne" — Farce after Kotzeduc (Nogués), (c) "L'inutile Promesse" — Play in Verse (Bayse), (d) "Le Violon d'Or" — Play with Music after Jeanne Chardon (Bourbon).
10.30—News (French, German).

STUTT GART (Germany)

574 kc/s (522.6 m.); 100 kW.

Transmits at intervals from 5.0 a.m. 11.0 a.m.—Concert.
1.0-2.0 p.m.—Orchestral Records.
3.0—Orchestral Concert.
5.0—Report: "Racing Cars, a Triumph of the German Automobile Industry."
5.30—Topical.
5.45—"Apprentices at Work"—Report.
6.0—News.
6.15—Variety Concert. Orchestra, Mandoline Band; Songs, etc.
8.15—Augmented Station Orchestra. Conductor: Buschkötter. Marinanne Tunder (Violin). Violin Concerto in D (Brahms). La Valse (Ravel). Concert Overture (Lars-Erik Larssen).
9.0—Time; News; Sports.
9.15—Swedish Folk-Melodies (arr. Krause) by Hilde Kefer-Bluhardt (Soprano), Herrmann (Pfte.), Minholz (Violin) and Schneider (Cello).
9.35—Music from Cologne.
11.0-12.0 m't.—Serenade. Part I, Andrea (Cello) and Ilse von Tschurtschenthaler (Pfte.). Cello and Pfte.: Requiebro (Cassado). Pfte. Pieces. Sonata for Cello and Pfte. (Debussy). Part II, Symphonic Variations on a Choral (Jerger) by the Station Orchestra. Conductor: Buschkötter.

TOULOUSE (Radio-Toulouse) (France)
913 kc/s (328.6 m.); 60 kW.

Transmits at intervals from 8.0 a.m. 7.15 p.m.—Film Music.
7.40—Light Music.
7.55—Variety.

LAST NEWS BULLETINS (daily, but subject to slight alterations)

8.40 Oslo; 8.45, Stockholm 9.0, German stations, Prague; 9.10, Vienna; 9.20, Beromünster; 9.45, Bucharest; 9.50, Warsaw; 10.0, Brussels, Italian stations; 10.30, Athlone, Paris (PTT); 10.45, Radio-Paris; 11.5, Budapest 1.

9.10—Talk.
9.15—"Ailleurs"—Fantasy.
9.30—Operetta Music. Waltz Potpourri (Lehár). Himmel Potpourri (Wiaskoff). Excerpts, "The Desert Song" (Romberg).
10.0—News.
10.15—English Concert.
11.15—Songs of Many Lands. Cuba: Dance of the Devil (Weeno). Italy: Vieni Maria (Patruno). Spain: Comadre (Filiberto). England: Cheek to Cheek (Berlin). Portugal: Fada da mouragna (Viana).
11.35—Light Music.
11.50-12.0 m't.—News.

TURIN GROUP (Italy)

Turin (No. 1), 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday.

Transmits at intervals from 6.45 a.m. 4.0 p.m.—News.
4.15-4.50—Dance Music.
6.20-7.0—See Rome (No. 1).
7.0—Time; News.
7.20—Government Report.
7.30—Light Music.
7.36 Rome (No. 2) only — News in English.
8.0—See Rome Group.
9.5—Topical Talk.
9.15—"The Rising of the Moon"—One-Act Play (Lady Gregory).
9.45—Dance Music.
10.0—News.
10.15-10.55—Dance Music.

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday.

Transmits at intervals from 5.45 a.m. 4.30 p.m.—Panhofer (Pfte.). Ballad in F minor (Chopin). Symphonic Etudes (Schumann).
5.0—Talk.
5.25—English Lesson.
5.45—Patriotic Front Review.
6.0—News; Weather; Topical.
6.35—Station Orchestra. Conductor: Schönherr. Wanda Achsel (Soprano), Kaczmar (Bass). Chromatic Gallop (Liszt). Scherzo in A (Goldmark). Soprano Songs (Ast). Violin: Introduction and Rondo capriccioso (Saint-Saëns). Bass Songs (Schumann, Glinka). Hindu Song (Proveznik). Bass Songs (Mussorgsky, Boito). Tanzstück (Uray). Four Ways Suite (Eric Coates).

7.35—Sketches and Music—Station Band. Conductor: Sandauer.
8.85—Christa Richter and Georg Steiner (Violins), Schulhof (Harp-sichord). Trio Sonata in B flat (Handel). Allegro for two unaccompanied Violins (Reger). Trio Sonata in B flat (P. E. Bach).
9.10—News.
9.20—Book Review.
9.30—Opera Records of Richard Tauber (Tenor). Arias from "The Magic Flute" (Mozart) and "Don Giovanni" (Mozart). Drinking Song, "La Traviata" (Verdi). Arias, "Il Trovatore" (Verdi) and "Rigoletto" (Verdi). Aria, "Eugene Onegin" (Tchaikovsky). Flower Song, "Carmen" (Bizet). Arias, "The Valkyrie" (Wagner) and "Der Rosenkavalier" (Richard Strauss).
9.55—Announcements.
10.0-10.30—Operetta Records of Richard Tauber (Tenor) and Gitta Alpar (Soprano). Songs and Duets from "The Gipsy Baron" (Strauss), "Schön ist die Welt" (Lehár), and "Fred-erica" (Lehár).

WARSAW (Poland)

224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday.

Transmits at intervals from 5.15 a.m. 3.15 p.m. (from Cracow)—Herman Orchestra.
3.50—Topical Talk.
4.0 (from Lwów)—Talk: The greatest Copper Mine in the World.
4.15—Korytko-Czapska (Songs).
4.50—Sports.
5.10—Polish Folk Dance Lesson.
5.30—Programme Announcements.
5.35—For Country People.
6.0—For Soldiers.
6.30—Talks.
7.0—The Second Radio Artists' Winter Competition.
7.45—News.
7.55—Topical Talk.
8.0—Dance Music. Station Orchestra. Conductor: Górzyński. A. Harris (Refrains).
8.40—Poems.
9.0—Pfte. Concerto in D minor (Brahms) by Kowalow and the Station Orchestra, Conductor: Fiteberg, from the Grand Theatre.
9.50-10.0—News; Weather.

TUESDAY Jan. 18

NATIONAL

For Time Signals, see Monday.
10.15 a.m. (D)—Service.
10.30 (D)—Weather Forecast.
10.45—Housekeeping talk.
11.0—Records.
11.30—Chamber Music.
12.15 p.m.—"The Real Robinson Crusoe" by R. L. Mégroz.
1.0—Trio, 1.30—Dance Records.
2.0—BBC Scottish Orchestra: Anne Gregory (Soprano).
3.0—Orchestra. 3.30—Cinema Organ.
4.0—Light Music. 4.30—Records.
5.0—Vivian Joseph (Cello).
5.20—Light Orchestra.
6.0—The First News.
6.25—George Roth (Cello); Franz Reizenstein (Pfte.). 6.55—Band.
7.30—Progress: Edwin Muir.
7.50—Jack Wilson and a Piano.
8.0—"At Your Service, Madam": a musical play.
9.0—The Third News.
9.20—"How I Began": John Hilton.
9.35—George Parker (Baritone); The Blech String Quartet. 10.45—German Poetry.
11.0—Grosvenor House 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—Orchestra: Wilfred Miles (Tenor).
10.45 (Western)—National.
11.30 (ex. Western)—Cinema Organ.
12.0 (ex. Western)—"Rehearsal."
12.15 p.m. (ex. Western)—Theatre Orchestra.
1.15 (ex. Western)—The Bourdon Trio; John Bowes (Baritone); Dorothy Crève (Pfte.).
2.0—(ex. Western)—"Bonnie Prince Charlie." Stuart Robertson (Baritone). 2.20—Military Band.
3.0 (ex. Western)—Torquay Municipal Orchestra; Joyce Newton (Contralto).
4.0 (ex. Western, Northern)—"Bridge": Hubert Phillips.

4.0 (Northern)—Evensong.
4.15 (ex. Western, Northern)—Hungarian Gipsy Party.
4.45 (Northern)—Records.
5.0—The Children's Hour.
6.0 (Regional, Western)—Brahms: Lance Dossor (Pfte.).
6.0 (Midland, Northern)—Cinema Organ.
6.0 (Welsh)—Llandyssul County School Choir.
6.0 (N. Ireland)—Orchestra: William Martin (Baritone).
6.0 (Scottish)—Songs.
6.25 (Regional, Midland, Welsh)—Harry Engleman's Quintet.
6.25 (Western)—Light Orchestra.
6.25 (Scottish)—Gaelic talk.
6.30 (Northern)—"Flippant Fingers." 6.40—"London Log."
6.40 (Scottish)—Rhythm Classics.
7.0—The Second News.
7.20—Regional Announcements.
7.30 (ex. Midland, Welsh)—Scottish Dances.
7.30 (Midland, Welsh)—Gloucester Choral Society with Isobel Baillie (Soprano); Steuart Wilson (Tenor); Percy Underwood (Baritone); and The City of Birmingham Orchestra.
7.50 (ex. Midland, Welsh)—Antarctic Anniversary.
8.10 (Regional, Northern, N. Ireland)—Music for Worship.
8.10 (Western)—Pfte. Music.
8.10 (Scottish)—Scottish Organs.
8.30 (Western)—Westward Ho!
8.35 (Scottish)—"Januar Wind": a mosaic by Alison Mill.
9.0 (ex. Welsh)—The Girl Friends.
9.0 (Welsh)—"That Freedom is an Illusion": debate.
9.30 (Welsh)—Welsh songs.
9.45 (ex. Welsh, N. Ireland)—"The Elixir of Count Del Bosco," by Ernest Thesiger.
9.45 (N. Ireland)—"Squire Chaplin and Hermit's Derby": Lord Londonderry.
10.0—News Summary.
10.25 (ex. Western)—Grosvenor House Dance Band. 11.30—Records.
11.50-12.0 (ex. Western)—Late News Summary.

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 100 kW. Dublin, etc. See Sunday.
1.30 p.m.—Records.
2.30-3.0—For Schools.
5.30—Records of Galli Curci and Yehudi Menuhin.
6.15—Debate in Irish between Mairin Ni Mhuirgheasa and Stan O'Briain: Women's Place in Ireland's Self-Government.
6.35—Irish News Feature.
6.45—News.
7.0—Organ Recital from St. Einbarre's Cathedral, Cork.
7.30—Irish Radio Orchestra.
8.0—"As I see it."—E. Lampord.
8.15—Irish Radio Orchestra and Violet Pearson (Soprano).
9.0—Speech of the Minister for Industry and Commerce at the Annual Dinner of the Federation of Irish Industries Ltd.
9.30—Variety.
10.30—News; National Anthem.

BARCELONA (EAJ1)

(Spain)
795 kc/s (377.4 m.); 100 kW. Transmits at intervals from 8.0 a.m. 9.0 p.m. — News; Topical; Records.
11.0—Topical Talk.
11.15-12.0 m't.—News in Foreign Languages.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—1.0 p.m.—See Munich.
1.0—News.
1.15—Berlin Opera Programmes (18th to 24th).
2.0-3.0—Krepela Sextet; at 2.15—Markets.
3.30—Orchestra from Königsberg.
4.30—Poems.
4.50—Books.
5.0—Band and Balalaikas.
6.0—News; Topical.
6.10—Krepela Sextet.
6.45—Evening Echoes.
7.0—Glahe Band.
8.0-9.0—Station Orchestra. Conductor: Heinrich Steiner. Erna Berger (Soprano), Schlusnus (Baritone). Part I. Overture, "Figaro" (Mozart). Aria (Mozart). Ballet, "Rosamunde"

(Schubert). Songs (Schubert): (a) An die Musik, (b) Du bist die Ruh, (c) Dem Unendlichen.
8.30—Part II. Overture, "Fidelio" (Beethoven). Aria, "The Barber of Seville" (Rossini). Aria, "A Masked Ball" (Verdi). Ballet, "Rienzi" (Wagner).
9.0—News.
9.30-11.0—See Hamburg.

BEROMÜNSTER (Switzerland)

556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.).
5.30-5.50 a.m.—Gym.
9.20-9.50—For Schools.
11.0—Records.
11.29—Time; News; Exchange.
11.40 a.m.—12.45 p.m.—Records of French and Russian Opera Music.
3.0—Talk: Mother and Child.
3.30—Gounod, Lortzing and Flotow Records.
4.0-5.0—See Sottens.
5.0—Weather; Talk; Records.
5.30—Talk: Animal Intelligence.
5.50—Music for Wind Instruments.
6.10—Talk: Man and the Clock.
6.25—League of Nations Report from Geneva.
6.40 (from Berne)—News.
6.55—Great Ballads—"Die Braut von Korinth" (Goethe) recited and commented upon by Prof. Paul Lang.
7.15—Symphony in D (Brun) from the Tonhalle. Conductor: Andree.
8.0—Talk: Jürg Jenatch's Student Days in Zürich.
8.25—Swiss Songs by the Horgen Women's Choir.
9.0—Ländler.
9.25-9.30—News; Programmes.

BRATISLAVA

(Czechoslovakia)
1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 5.15 a.m. 5.0-5.45 p.m.—Hungarian Transmission: Report from the Silver Mines at Bauséa-Stiavnica; For Workers; Medical Talk.
5.45-6.25—See Prague.
6.25—Slovak Folk Songs by Hozá (Tenor) with the Hagymási Cigány Band.

6.45—Talk.
7.0—Talk on the following Concert.
7.5-8.55—Bratislava Symphony Orchestra from the Slovak National Theatre. Conductor: Karel Nedbal. Lisa Fuchsová (Pfte.). Hafner Symphony in D (Mozart). Pfte. and Orchestra: Concerto in B flat (J. C. Bach). Pfte. Concerto in G (Beethoven). Overture, "Tannhäuser" (Wagner).
9.0—See Prague.
9.15—News in Hungarian.
9.30-10.0—Records.

BRESLAU (Germany)

950 kc/s (318 m.); 100 kW. Relayed by Gieiwitz and Görlitz, 1,231 kc/s (243.7 m.). Transmits at intervals from 4.30 a.m. 11.0 a.m.—1.0 p.m.—See Munich.
1.0—News; Exchange.
1.15-2.0—See Hamburg.
2.30—A Fairy Play.
3.0—Station Orchestra; at 4.0-4.10—A Mozart Legend.
5.0—Talk: Currency Problems.
5.20—"A Journey through Chile"—Talk with Records.
5.40—Talk.
5.50—Programmes; Markets.
6.0—News.
6.10—Sudetic German Composers—Neumann (Cello) and Hattwig (Pfte.). Two Pieces for Cello and Pfte. (Schwarz). Sonnet (Konecny). "Vigilie" for Cello and Pfte. (Seidel). Theme with Variations (Wessely).
6.40—Improvised Music.
7.0—Orchestra, Gotschika (Bass) and Larisch (Pfte.).
7.45—"Thyl Ulenspiegel"—Play after Charles de Coster (arr. Close); Music by Genzmer.
9.0—News; Motto.
9.15—Political Publications.
9.30-10.30—See Hamburg.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.15 a.m. 4.40 p.m.—German Transmission: For Workers; For Farmers.
5.15—News; Music; Review.
5.30—Record; Social Notes.
5.45-9.15—See Prague.
9.15-10.0—Records; Pfte. Music.

BRUSSELS (No. 1)

(Belgium)
620 kc/s (483.9 m.); 15 kW.
6.30-9.5 a.m.—Records; Gym; News.
12.0 noon—Records.
12.30 p.m.—Weather; Shipping.
12.35—Light Orchestral. Conductor: Souris. Derissen (Cello) and Gilman (Flute). Overture, "Tancred" (Rossini). "Cello": Chanson Louis XIII et Pavane (Couperin). La Danza (Rossini). Piece for Flute (Pessard). Two Spanish Dances (Fallá).
1.0—News.
1.10—Orchestra (contd.). Minstrels (Debussy). Minuet (Ravel). La fille aux cheveux de lin (Debussy). Chansons à danser (Bruncau).
1.30—Operetta Records.
2.0-2.45—Art Notes; For Schools.
4.55—News.
5.0—Kriegel (Violin). Romance in F (Beethoven). Poème héroïque (Jongen). Slav Dance (Dvořák). Die Biene (Schubert).
5.30—For Children.
6.5—Literary Review.
6.15—Concertino for Pfte. and Orchestra (Jean Françaix).
6.30—Suites—Orchestra. Conductor: Souris. Petite suite pour Monique (Opsemor). Images enfantines (Strens). Suite pour mes petits amis (Pierné).
7.0—Roman Catholic Review; Film Review.
7.15—"Notre ami Duhamel" (Mauriac), with Mozart Music.
7.30—News.
8.0—"Le Déluge" (Saint-Saëns). I.N.R. Symphony Orchestra. Conductor: Dejoncker. Mmes Marguerite Thys, Bradfer and M.M. Letroyer and Toutenel.
9.0—Talk.
9.15 (approx.)—Ballets—Symphony Orchestra. Conductor: Dejoncker. "Marouf" (Rabaud). "Coppélia" (Delibes). "Le Cid" (Massenet).
10.0—News; Records.
10.55-11.0—Christus Vincit (Liszt).

BRUSSELS (No. 2)

(Belgium)
932 kc/s (321.9 m.); 15 kW.
Programme in Flemish.
6.30-9.5 a.m.—Records; Gym; News.
12.30 noon—Records.
12.30 p.m.—Weather.
12.31—Waltzes and Tangos—Salon Orchestra. Conductor: Féron.
1.0—News; Shipping.
1.10—Salon Orchestra.
1.30—Records.
2.0-2.50—For Schools.
4.55—News.
5.0—Salon Orchestra. Conductor: Féron; at 5.15-5.30—Records.
5.45—For Children.
6.30—Records; Talk.
7.0—Records.
7.30—Talk: Sociology.
8.0—Public Concert from the Zoological Gardens, Antwerp. Radio Orchestra. Conductor: Douliez. Jenny Jungbauer (Songs). Roggen (Recitations). Vaes (Organ). Van Schoeland (Songs), etc. Part I. Suite (Douliez). Songs with Orchestra. Danse de la joie (Douliez). Organ: (a) Largo (Handel). (b) Gavotte (Martini). (c) Invocation (Mailly). (d) Spring Song (Mendelssohn). Part II. Overture, "Figaro" (Mozart). Aria, "Il Seraglio" (Mozart). Rondo from the Haffner Serenade (Mozart). Instrumental Solos. Die Kosenden (Lanner). Frühlingsstimmen (Strauss). Song from "Schön ist die Welt" (Lehár). Rhythms (Coates). Prelude and Allegro (Pugnani, arr. Gason). Pfte. Concerto (Gebhardt). Marche française (Saint-Saëns).
10.0-11.0—News; Records.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW.
Relayed by Radio-Romania, 160 kc/s (1,875 m.).
Transmits at intervals from 4.30 a.m.
5.15 p.m.—Jazz by Sibiceano and Corbu (Pftes.).
5.55—Records.
6.30—Sonata (Beethoven) by Theodorosco (Violin) and Filonesco (Pfte.).
7.0—Wagner Concert—Radio Orchestra. Conductor: Alessandresco. Mme Aca de Barbu and Nicolesco-Bassu (Songs). Entry of the Gods into Valhalla, "The Rhine Gold." Excerpts, "The Valkyrie." Forest Murmurs, "Siegfried." Siegfried's Rhine Journey, Funeral March and Finale, "The Dusk of the Gods"; at 7.30—Educational.
8.30—News; Sports.
8.45—Giurgea Orchestra.
9.45—News (French, German).

BUDAPEST (No. 1)

(Hungary)
546 kc/s (549.5 m.); 120 kW.
Transmits at intervals from 5.45 a.m.
11.5 a.m.—Ilona Kasics (Songs), Pázmán (Pfte.).
12.30 p.m.—Post Office Band.
1.40—News.
1.40—For Women.
4.0—Dance Records.
4.35—Ernö Szép.
5.0—Radics Cigány Band.
6.0—"The Tragedy of Man"—Dramatic Poem (Madách) with Music by Farkas. Budapest Concert Orchestra and Municipal Theatre Choir.
9.0—News.
9.25—Meyeri Jazz Band.
10.10—Lakatos Cigány Band and Czelényi (Songs).
11.5—News.

BUDAPEST (No. 2)

(Hungary)
359.5 kc/s (834.5 m.); 18 kW.
5.0 p.m.—For Farmers.
5.30—French Lesson.
6.5—Dance Records.
7.55—Station Band.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW.
Transmits at intervals from 5.0 a.m.
11.0 a.m.-1.0 p.m.—See Munich.
1.0—News; Riddles.
1.45-2.0—Markets.
2.30—Books.
2.45—Markets.
3.0—Light Music; at 4.0-4.20—Reading.
5.0—Art Reviews; Music; Talks.
5.30—"Hullo Tommy Atkins!" English Soldiers' Songs.
5.53—Snapshots.
6.0—News.
6.10—Records of Völker (Tenor).
6.30—1938 Carnival Songs.
7.0—See Berlin.
8.0—Anti-Soviet Propaganda.
8.10—Station Choir and Orchestra. Conductor: Adams. Liselotte Mann (Contralto), Hoersch (Tenor). Variations (Peppings). "Vom Himmel hoch," Cantata (Knapstein).
9.0—News.
9.20—Political Press Review.
9.35-11.0—Music from Hamburg.

DEUTSCHLANDSENDER (Germany)

191 kc/s (1,571 m.); 60 kW.
Transmits at intervals from 5.0 a.m.
11.0 a.m. - 12.50 p.m.—See Stuttgart.
12.50—News.
1.0—Variety with Records.
2.0—Exchange; Markets.
2.15—Records; at 2.30—Programme Notes.
2.45—Talk.
3.0—Station Orchestra.
5.0—Reine Gianoli (Pfte.). Bourrée (Roussel). Toccata (Ravel). Leggerezza and Rhapsody (Liszt).
5.25—"Die Kunst, die Spröden zu fangen"—Sequence after Goethe (Prugel).
5.55—Genealogy.
6.0—Motto; News.
6.10—Fireside Programme—Wilhelm Krug Poems, and Records.
7.0—Variety, Kermabach and Woitschach Bands, Liebe (Trumpet); at 8.0-8.15—Political Press Review.
9.0—News; Topical.
9.30-9.45—Serenade for Flute, Violin and Viola (Beethoven).
10.0-11.0—Music from Königsberg.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW.
Cassel, etc. See Sunday.
Transmits at intervals from 5.0 a.m.
11.0 a.m.-1.0 p.m.—See Munich.
1.0—News; Records.
2.0—Talk; Chamber Music.
2.45—Stories.
3.0—Sonata in D minor for Violin and Pfte. (Szymanowski).
3.30—Hanau State Theatre Orchestra. Conductor: Guthan. Helmi Rau (Soprano), Joop de Vries (Tenor). Operetta Music.
5.0—Topical.
6.0—News.
6.10—Light Music by the Station Orchestra. Conductor: Hauck. Kullmann (Pfte.).
7.30—Station Orchestra. Conductor: Frickhoeffer. Peischer (Violin). Overture, "Die Feen" (Wagner). Violin Concerto in A minor (Viouxtemp).
8.15—The Bruinier Quartet, Quartet, Zurück zur Musik (Peterka). Quartet in E flat (Dittersdorf).
9.0—News.
9.30—See Hamburg.
11.0 p.m.-12.0 m't.—Serenade. Records of Spanish Music. Corpus Christi in Seville (Albéniz). Triana (Albéniz). Nights in the Gardens of Spain (Fallá). Fantastic Dances (Turina).

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW.
Bremen, etc. See Sunday.
Transmits at intervals from 5.10 a.m.
11.0 a.m. (from-Bremen)—Band.
12.5 p.m.—Topical.
12.15—Orchestra from Munich.
1.0—News.
1.15—Light Music.
2.0—Shipping; Markets.
2.25—Records; Ice Report.
3.0—Accordion Duo and Dance Band; in the interval, Books.
4.15—"A Minute Lost is never Regained"—Sequence.
5.0—Dialect Sequence with Music (Tenne and Dieckelmann); Station Orchestra. Conductor: Müller-Lampertz.
5.45—Harbour Notes.
6.0—News.
6.10—Station Orchestra. Conductor: Müller-Lampertz. Overture, "The Lovely Galatea" (Suppé). Intermezzo, "The Arabian Nights" (Strauss). Juanita (Bou-langer). Ballet, "Der Babu" (Clarmann). Overture, "Der lustige Krieg" (Strauss). Schwärmer Hochzeit (Mainzer). Plauderei und Stelldichein (Fischer). Von Wien durch die Welt (Hrubý). Weibermarsch (Lehár).
7.0—See Deutschlandsender; at 8.0-8.15—Talk.
9.0—News.
9.30-11.0—Light and Dance Music. Station Orchestra, Male Voice Quartet and Dance Band.

HILVERSUM (No. 1)

(Holland)
160 kc/s (1,875 m.); 10 kW until 2.40 p.m.; 150 kW from 2.40 p.m. Also on Lopikerkapel, 722 kc/s (415.4 m.); 17 kW.
* See page 20.
AVRO Programme.
7.40 a.m.—Time; Records.
9.40—Time; Service.
9.55—Records.
10.10—Jetty Cantor's Orchestra; at 10.40—Cookery Talk.
11.10—Jetty Cantor's Orchestra.
12.10 p.m.—AVRO Dance Band.
12.40—AVRO Orchestra. Conductor: Treep.
1.25—Records.
1.40—AVRO Orchestra. Conductor: Treep, Stotijn Heuweckemeyer (Harp).
2.25—Dressmaking.
3.25—Lyra Trio.
4.10—Children's Choir. Conductor: Hamel.
4.40—For Children.
5.10—Records.
6.10—R.V.U. Talk.
6.40—For Children.
6.45—Hasselaar (Organ).
7.10—English Lesson.
7.40—Time; News; Records.
8.10—"Tuesday Night Special"—Variety, with Marcel Wittrisch (Tenor). Jan van Riemdijk, Joe Petersen, Pierre Palla and the Kovacs Lajos Orchestra.
9.55—Selection, "Die Fledermaus" (Strauss).
10.25—Interview.
10.40—News.
10.50—AVRO Dance Band.
11.20-11.40—Records.

HILVERSUM (No. 2)

(Holland)
995 kc/s (301.5 m.); 15 kW until 6.10 p.m.; 60 kW from 6.10 p.m.
KRO Programme.
7.40-8.55 a.m.—High Mass.
9.40—Records.
11.10—Religious Address; Announcements.
11.55—KRO Orchestra. Conductor: van 't Woud.
12.40 p.m.—Records.
1.0—KRO Melodists. Conductor: Lustenhouer. Klein (Refrains).
1.40—For Women.
2.2—Dressmaking Lesson.
3.40—HIRO Programme: Records; Talks; News.
4.50—KRO Orchestra. Conductor: van 't Woud; at 5.25—Greetings.
6.20—Esperanto Lesson; Announcements; Talks; News.
7.55—Maastricht Municipal Orchestra. Conductor: Hermans. Jo Vincent (Soprano).
8.40—Revue (Kanó). KRO Boys, etc.
10.0—Records; News.
10.20—KRO Melodists. Conductor: Lustenhouer. Klein (Refrains).
11.10-11.40—Records.

KALUNDBORG (Denmark)

240 kc/s (1,250 m.); 60 kW.
Relays Copenhagen, 1,176 kc/s (255.1 m.).
Transmits at intervals from 6.0 a.m.
11.0 a.m.-1.0 p.m.—Preil's Ensemble.

1.30—Radio Orchestra. Conductor:

Grøndahl. Else Stougaard (Songs). Overture, "Sophonisbe" (Paër). Ballet, "Les petits riens" (Mozart). Gipsy Songs (Dvořák). Excerpts, "A Masked Ball" (Verdi). Spanish Dance (Paedilla). Danish Songs. Shepherd's Hey (Grainger). Halling Dance (Sandby). Danza esotica (Mas-cagni). Waltz, "Cinderella" (Palmgren). Romanza patetico (Nielsen). Scènes napolitaines (Massenet).
3.30—For Children.
5.0—Announcements.
4.0—Talk: The Dangers of Gas, Electricity and Inflammable Liquids.
4.25—Weather; Exchange; Markets.
4.50—Records.
5.0—Ejner Jensen (Swedish Songs to the Guitar).
5.15—A Visit to the Industrial Art Museum.
5.35—German Lesson.
6.0—News.
6.30—Talk: Coast Fishing.
7.0—Sandy Songs by Otto Steenberg.
7.15—"We all have our Faults"—Detective Play (Soya).
8.15—Else Marie Bruun (Violin), Koppel (Viola and Violin). Duet for violin and viola (Mozart). Sonata for two violins (Honegger).
8.40—Snow in Meteorology, Poetry, Prose and Music.
9.0—News.
9.20—Danish Music. Radio Orchestra. Conductor: Tuxen. Suite, "Gurre" (Horneman). Sinfonietta (Tarp). Soranersuite (Hamerik). Variations on a Schubert Theme (Reesen).
10.15-11.30—Preil's Dance Band; at 11.0—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.
11.0 a.m.-1.0 p.m.—See Munich; at 12.0 noon—News.
1.0—News; Talk; Music.
1.55-2.0—Exchange.
2.30—For Women.
2.40—Fairy Tales and Songs.
3.0—Station Orchestra. Ballets.
4.50—Ice Report.
5.0—Talk: Vocational Training.
5.20—Eggert (Baritone) and Weis-hoff (Pfte.). Silberstiftzeichnungen (Weismann). Songs (Strauss). Prelude, Minuet and Caprice (Niemann).
5.50—Local News.
6.0—News.
6.10—"In Lack und Frack"—a Carnival Ball about 1900 (arr. Gardey); Music by Gerhardt Ahl.
7.45—Topical.
8.0—"Krach im Hinterhaus"—Comedy (Böttcher); Music by Ahl.
9.0—News.
9.20—Political Press Review.
9.35-11.0—Light and Dance Music—Börschel Band, Peter Arco and Soloists.

LEIPZIG (Germany)

785 kc/s (382.2 m.); 120 kW.
Relayed by Dresden, 1,285 kc/s (233.5 m.).
Transmits at intervals from 5.0 a.m.
11.0 a.m.-1.0 p.m.—See Munich; at 12.0 noon—News.
1.0—Time; News; Exchange.
1.15 (approx.)—Records.
2.0—For Children.
2.20—Karin Brandt (Soprano).
2.50—Talk.
3.0—See Deutschlandsender; at 4.0-4.10—Time; Markets.
5.0—Talk: Wilhelm Dilich.
5.20—Petroni (Violin) and Burgert (Pfte.). Sonata in G (Mozart). Aria (Lotti-Petroni). Minuetto (Haydn - Petroni). Wiegeliend (Brahms-Petroni). Jota (Fallá). Old French Song (Tchaikovsky). Hungarian Dance (Brahms).
5.50—Topical.
6.0—News.
6.10—"Das Sein ist ewig"—Poems of Goethe with Beethoven Music.
7.0—Jena Municipal Symphony Orchestra and a Women's Choir. Conductor: Schwassmann, Wengert (Violin), Grössler, Vogel, Böhme and Munkelt (Cellos), Adameck (Trumpet). Overture, "The Merry Wives of Windsor" (Nicolai). The Moldau (Smetana). Four Chorals for Women's Choir, Harp and Two Horns (Brahms). Romance in F for Violin and Orchestra (Beethoven).

Pieces for Four 'Cellos (Klengel):

(a) Gavotte, (b) Wiegeliend. Kiss Serenade (de Micheli). Kisses in the Dark (de Micheli). Petit Suite (Debussy). Minuet for 'Cello and Orchestra (Becker). Waltz (Meisel). Rococo Love Song for Trumpet and Orchestra (Meyer - Hellmund). Excerpts, "Das Fürstenkind" (Lehár).
9.0—News.
9.30-11.0—See Hamburg.

LILLE (Radio PTT Nord)

(France)
1,213 kc/s (247.3 m.); 60 kW.
Transmits at intervals from 6.30 a.m.
7.0 p.m.—Messenger Ballet Records.
7.30—Radio Journal; Weather.
8.0—"Chansons-Cocktail"—Sketch (Flor).
8.30—Station Orchestra. Conductor: Soret. Démon (Tenor). Mme Jouve-Minarte (Songs). Hespel (Pfte.). Overture, Leonora No. 3 (Beethoven). Pfte. Concerto in G minor (Mendelssohn). Symphony in G minor (Mozart). Songs: La chapelle au clair de lune (Lelièvre - Varna). Two Songs (Mussorgsky). Procession nocturne (Rabaud). Tenor Songs. Suite (Guiraud). Overture, "Harald" (Leroux). After the Concert, News.

LISBON (Portugal)

629 kc/s (476.9 m.); 15 kW.
Transmits at intervals from 12.0 noon.
5.20 p.m.—Tea Concert.
6.20—Military Notes; Records.
6.50—News; Portuguese Music.
7.20—Quintet.
7.50—News; Spanish Notes.
8.15—Chamber Quartet.
8.45—Pfte. Recital; Talk.
9.15—Sextet; at 9.45—Politics.
10.15—Records.
10.30—News; Concert.
11.30-12.0 m't.—News; Dancing.

MONTE CENERI

(Switzerland)
1,167 kc/s (257.1 m.); 15 kW.
Transmits at intervals from 11.0 a.m.
6.50 p.m.—News.
7.0—Records: The Rome Quartet.
7.15—Legal Talk.
7.30—Rosetta Ferlito (Songs).
8.0—Talk.
8.20-9.0—Slav Music—Radio Orchestra. Conductor: Casella. Slav Dance (Dvořák). Serenade (Gretchaninov). Kamarinskaya (Gretchaninov). Polish Dance (Scharwenka). The Moldau (Smetana).

MOSCOW (No. 1) (Russia)

172 kc/s (1,744 m.); 500 kW.
3.30 p.m.—Literary Programme.
4.30—Concerts.
8.30—News; Kremlin Chimes.
9.0—Programme in Dutch.
10.0—Programme in Swedish.
11.0-12.0 m't.—Programme in Spanish.

MUNICH (Germany)

740 kc/s (405.4 m.); 100 kW.
Relayed by Nürnberg, 1,267 kc/s (236.8 m.).
Transmits at intervals from 5.0 a.m.
11.0 a.m.-1.0 p.m.—Light Orchestral.
1.0—News; Exchange.
1.15—See Hamburg.
2.0-2.30—For Children.
3.0—Chamber Music.
3.40—Reading.
4.0—Time; Weather; Markets.
4.10—Records.
5.50—Anniversaries.
6.0—News.
6.10—Variety—Records.
7.0—"Winke, bunter Wimpel 1"—Play (Karrasch).
8.0—Augsburg Municipal Orchestra. Conductor: Egelkraut. Schulz-Fürstenberg (Cello).
9.0—News.
9.20—To be announced.
9.30—Light German Music, Station Orchestra and Dance Band, Carmuth (Tenor).
10.30-11.0—Film Records.

NAPLES GROUP (Italy)

Naples, 1,104 kc/s (271.7 m.); 10 kW. Florence (No. 1), etc. See Sunday.
6.0 p.m.—Music and Songs.
6.15—Topical.
6.25—"Guido Monaco" Choir.
7.0—News; Talk.
7.30—"Acqua cheta" (Pietri). Conductor: Malatesta.
9.30 (approx.)—Dance Music.
10.0—News.
10.15-10.55—Dance Music.

TUESDAY (January 18)

OSLO (Norway)

260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday. Transmits at intervals from 9.30 a.m.

6.15 p.m.—Violin and Pfte. Recital by Johansen and Levin. Aubade (Foresythe). The revolt of the Yes-men (Foresythe). Fantasy in blue (Merrill Ford). Goin' Places (Venuti). Meditation in porcelain (Foresythe). Mead and Wood (Foresythe). Sweet Sue (Young-Johansen).

6.45—Talk.

7.25—Station Orchestra. Conductor: Kramm, Schwab (Pfte.). Excerpts, "Schirin und Gertraude" (Graener). Pfte.: Concertino (Weiner). Suite, "A Midsummer Night's Dream" (Mendelssohn). Bolero (Ravel).

8.40—News; Topical Talk.

9.15-9.45—Boya Rønneberg (Songs) and Krøvel (Cello). Prelude (Chopin). Lied (d'Indy). Romance (Fauré).

PARIS (Eiffel Tower)

(France)
1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 6.30 a.m.

8.0 p.m.—Geneviève Lacroix (Pfte.) and Michelin (Cello). "Cello Sonata (Handel). Pfte.: Impromptu (Eugene Lacroix), (b) Feux-Follets (Philipp), (c) Les Rois mages (Gallon), (d) Cloches d'allégresse (Gallon). Après un rêve (Fauré). Fileuse (Fauré). Récit et Allegro (Gallon).

8.30 (Also for Bordeaux-Lafayette, Lyons (PTT) and Montpellier (PTT))—Symphony Concert by the National Orchestra and Raugel Choir. Conductor: Ingelbrecht. "King David" (Honegger), conducted by the Composer. "Les choéphores" (Darius Milhaud).

10.30—Records.

11.0—News.

PARIS (Poste Parisien)

(France)
959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m.

12.0 noon—Exchange; Records.

12.25 p.m.—News; Exchange.

12.39—Records.

1.15—Amusements; Records.

2.0—Exchange; News.

3.45 and 4.35—Exchange.

5.0—News.

5.5—Debussy Records. La Cathédrale engloutie. Soirée dans Grenade.

6.0—Exchange; News.

6.10—Religious Programme.

6.20—Records: Quartet in F (Ravel), by the Pro Arte Quartet.

6.53—Literary Review.

6.58—Topical; Sports; Amusements.

7.13—Film Review.

7.45—Lili Jessna and her Sicilian Ensemble.

7.58—Talk; Topical.

8.10—Georges de la Fouchardière and Clément Vautel.

8.15—Fred Adison Jazz Band.

8.30—Music.

8.45—"La bonne histoire."

8.55—News.

9.5-11.0—"A bord du Tonnerre de Dieu"—Two-Act Play (Simenon).

PARIS (PTT) (France)

695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.30 a.m.

5.0 p.m.—Josse Orchestra. Copper Coloured Gal (Davis). La chanson des abeilles (Filippucci). La Housarde (Ganne). Algerian Nights (Grehg). There's Yoo-hoo in your Eyes (Baer). Your Sweet Smile (Ray). So do I (Burke). Le temps des cerises (Renard). Bi-folco parade (Volpatti). Excerpts, "Pas sur la bouche" (Yvain). Did I remember (Adamson). Sympathy (Mezzacapo). Greek March (Ganne).

5.45—Music Talk.

6.0—For Farmers; Talks.

6.30—Marcelle de Mayo (Pfte.). Prelude (Lavagne). Preludes (Ducasse). Danse (Florent Schmitt). Valse caprice (Moreau). Scherzetto (Gallon).

6.45—Diana Corke (Songs).

7.0—Radio Journal; News.

8.0—Mlle. Tant Mieux and M. Tant Pis.

8.30—See Berlin.

9.0—To be announced.

10.30—Radio-Journal; News; Weather.

10.45—Records: Ballad (Fauré), with Marguerite Long (Pfte.) and Orchestra. Conductor: Gaubert.

PARIS (Radio-Paris)

(France)
182 kc/s (1,648 m.); 80 kW.

6.28—Programme Notes; Records.

6.40—News; Gym; Records.

7.15—News; Records.

8.0—News; Press Review.

8.30-9.20—Programmes; Records.

10.15—Programmes; Records.

10.45—Reading; Records.

11.45—Markets.

12.0 noon—Jewish Talk.

12.20 p.m.—Bailly Orchestra.

1.0 p.m.—Time; News.

1.15—Exchange; Markets.

1.30—Adrien Lamy (Songs).

1.45—Bailly Band.

2.0—Programme Notes; Talks.

2.30—Exchange; Markets.

2.45—Yvonne François (Pfte.).

3.0—André Catel (Songs).

3.15—Politics.

3.30—Talk: Literature.

3.45—Exchange; Markets.

4.0—Jeanne Louail (Songs).

4.15—Maurice Georgetty (Songs).

4.30—English Lesson.

4.50—Exchange; Markets.

5.0—Derveaux Orchestra. Overture, "Le Cheval de bronze" (Auber). "Künstlerleben" (Strauss). Le Tasse (Godard). Song (Grieg). La Farandole (Dubois). Where my Caravan has rested (Lohr). Ballet Music, "Hérodiade" (Massenet). Estudiantina (Waldteufel).

6.0—Educational.

6.30—Spanish Books.

6.45—Talk: Chancellor Schusch-nigg and Austria.

6.58—Programmes; Educational.

7.30—Talks.

7.59—Time; Home Affairs.

8.8—Foreign Affairs.

8.15—Chamber Music by Alice Raveau (Songs) and the Yvonne Lévy Quartet. Quartet in E flat (Beethoven). Song, An die ferne Geliebte (Beethoven). Pfte.: (a) Aufschwung (Schumann), (b) Polish Songs (Chopin-Liszt). Songs (Caplet): (a) Oraison dominicale, (b) Salutation anglé-ique, (c) Symbole des apôtres. Sonatina for Pfte. (Ravel).

9.15—News; Press Review; Sports.

9.30—"La Princesse Maleine"—Five-Act Play (Maeterlinck), with Mme Renée Maeterlinck in the Title Role.

11.30—Programme Notes.



Exclusive "World-Radio" Picture
Madame Maeterlinck, who plays the name-part in "La Princesse Maleine" at Radio-Paris (9.30 p.m.)

PRAGUE (Czechoslovakia)

638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.15 a.m.

4.30 p.m.—String Quartet based on the Kreutzer Sonata (Janaček), by the Ondříček Quartet.

4.50—Records; Markets.

5.10—German Transmission: Warnsdorf Male Voice Quartet.

5.45—News and Review (German).

6.0—News.

6.10—Talk: Taxes.

6.25—Talk on the following Opera.

6.30—"Sárka" (Fibich), from the State Opera.

9.0—News.

9.15—See Brno.

10.0-10.15—News (English).

RADIO-MÉDITERRANÉE

(France)
1,276 kc/s (235.1 m.); 27 kW. Transmits at intervals from 12.15 p.m.

7.0 p.m.—For Farmers.

7.30—Motoring Notes.

7.45—Request Programme.

8.0—News; Exchange.

8.15—Excerpts, "Naples au baiser de feu"—Film (Scotto-Rodor Koger).

8.40—Light Music.

8.55—Melfi Orchestra.

9.0—Talk; Weather.

9.10—Light Music.

9.25—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—Light Music.

7.15—News; Press Review.

7.45—Physical Exercises.

8.0—Romeo of the Radio.

8.15—Jane and John.

8.30—Popular Music.

8.45—Light Orchestral.

9.0—Breakfast Concert.

9.15—Tunes we all know.

9.45—Waltzes—Billy Bissett's Orchestra.

10.0—Film Favourites.

10.15—The Open Road.

10.30—Popular Music.

10.45—Organ.

11.0—Light Music.

11.30—Chansonnettes.

12.0 noon—Concert.

12.45 p.m.—News; Topical.

1.0—Light Music.

2.0—Variety.

2.30—Arthur Young and Enid Legrande.

2.45—Musical Mirror.

3.0—Oliver Kimball.

3.15—Light Music.

3.45—Ballroom Melodies.

4.0—Tolchard Evans' Songs.

4.15—Light Music.

4.30—Popular Music.

5.0—Keyboard Rhythm.

5.15—For Children.

5.30—Pol Oliver and Olive Palmer.

6.0—Children's Corner.

6.45—Talk; News; Racing.

7.0—Chansonnettes.

7.25—News; Topical.

7.50—Variety Item.

8.0—Light Orchestral.

8.20—Variety Items.

8.40—Carlo Buti.

9.0—Beethoven Concert from the Hôtel de Ville, Caen, Caen Municipal Orchestra, Conductor: Dequin, and the Ensemble of the Ecole Nationale de Musique. Septet. Pfte. Concerto. Choral Music.

11.0—Café Concert.

11.45—News.

12.0 m't.—Midnight Melodies.

12.30-1.0 a.m. (Wednesday)—Dance Music.

RENNES-BRETAGNE

(France)
1,040 kc/s (288.5 m.); 120 kW. Transmits at intervals from 6.30 a.m.

6.30 p.m.—Chamber Music.

7.0—Radio Journal; Weather.

7.30—Concert from Limoges (PTT).

8.0—News; Records.

8.15—Talk.

8.30—Orchestra from Angers. Conductor: Bilewski. Overture, "Tutti i maschera" (Pedrotti). Excerpts, "Comte Obligado" (Moretti). Loin du bal (Gillet). Tarantella, Graziella (Choudens). Selection, "The Bayadere" (Kálmán). Berceuse du souvenir (Delmas-Popy). Czardas (Michiels). Chant sans paroles (Tchaikovsky). Danse of the Hours, "La Gioconda" (Ponchielli). Chanson toscane (Popy). Selection (Szule). Chanson à la lune (Jaques-Dalcroze-Chapelier). Ballet égyptien (Luigini). Les banderilles (Volpatti).

10.30 (approx.)—11.0—See Paris (PTT).

REYKJAVIK (Iceland)

208 kc/s (1,442 m.); 16 kW. Transmits at intervals from 11.0 a.m.

8.10 p.m.—Weather (Icelandic, German, English).

8.20—Dance Songs.

8.40—News.

9.15—Talk.

9.45—Domestic Science.

10.0—Concert, "Cello Concerto (Dvořák). Symphonic Variations (Franck).

ROME GROUP (Italy)

Rome (No. 1), 713 kc/s (420.8 m.); 50 kW. Bari (No. 1), etc. See Sunday. Transmits at intervals from 6.45 a.m.

4.15-4.50 p.m.—Dance Music.

5.45—Health Talk.

6.0—Talk (English).

6.20—Concert from Turin (No. 1).

7.0—News; Talks; Music.

8.0—"Gloria" (Cilea) from the Opera, Conductor: Fabritius. Chorus-Master: Conca. Cast:

Giulio Tomei, Maria Caniglia, Armando Borgioli, Beniamino Gigli, Ernesto Dominici and Edmea Liberti. In the intervals, Topical, News.

SOTTENS (Switzerland)

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

11.29 a.m.—Time; News.

11.40 a.m.—12.45 p.m.—Records.

4.0—Radio Suisse romande Orchestra. Conductor: Appia. Irène Hertig (Pfte.). Overture, "A Midsummer Night's Dream" (Mendelssohn). Suite, "Pelléas et Mélisande" (Fauré). Quand l'été dore la moisson (Dénéfcaz). Ballad for Pfte. and Orchestra (Blanchet). Suite de danses (Dalcroze).

5.0—Talk: Palmistry.

5.15—Light Music by the Radio Suisse romande Orchestra. Ballet, "Javotte" (Saint-Saëns). Suite murcienne (Jaquet). Fête patronale en Velay (Périlloud). Dance, "La Vida breve" (Fallá).

6.0—Sketches.

6.10—What History teaches us—Versailles, January 18, 1871.

6.20—Medical Talk.

6.30—Music.

6.50—News.

7.0—"Les affaires sont les affaires"—Three-Act Play (Mirbeau) by the Compagnie des Deux-Masques.

9.0—Mozart Concert. Radio Suisse romande Orchestra. Conductor: Haug. M. and Mme André Loew-Wachsmuth (Violins). Violin Concerto in E flat. Symphony in F. Concertone in C for Two Violins and Orchestra.

10.0-10.20—"Council of the League"—100th Session.

STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday. Transmits at intervals from 6.20 a.m.

4.5 p.m.—For Children.

4.30—Talk.

5.0—Records.

6.0—News; Topical.

6.30—Waldimir's Orchestra.

7.0—A Play.

8.45—Weather; News.

9.0-10.0—Cabaret Records.

STRASBOURG (France)

859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m.

5.15 p.m.—Music of Suzanne Ducas and Leo Loeb sung and played by the Composers. Part I. Suzanne Ducas Music. Songs. Allegro classique for Pfte. Songs. Part II. Leo Loeb Music. Excerpts, "Mélina." Conte mystique.

6.0—Economic and Social Notes.

6.30—See Rennes-Bretagne.

7.0—Radio Journal; Weather.

7.30—Concert from Limoges (PTT).

8.0—News (German).

8.30—Band, Rieb (Baritone). Florentine March (Fucik). Overture romantique (Riff). Clarinet Concertino (Weber). Invitation to the Dance (Weber). Selection, "Véronique" (Messenger). March, Chantecler (Allier).

9.30—Louise Debonte (Contralto).

10.0—"Ce bon M. de la Fontaine"—Fantasy (Guyard).

10.30—News.

10.45—News (German).

STUTTGART (Germany)

574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m.

11.0 a.m.—1.0 p.m.—Orchestra, etc.

1.0-2.0—Records.

3.0—Station Orchestra, Rehfeld Band, Bitterauf (Baritone) and Hermann (Pfte.).

5.0—Talks.

5.30—Topical; at 6.0—News.

6.15—Records of Völker (Tenor) and Orchestras.

7.15—"Novel in Three Volumes"—Variety Sequence with Music (Paul Schaaf).

8.0—Handel Cycle—II—On the Threshold of Fame, Hamburg, 1705. Station Choir and Orchestra. Conductor: Buschköter. Matthei (Tenor), Müller (Baritone), Dagmar Benzing (Spinet), Kreutz (Harpssichord), Zanke (Flute) and Homanner (Organ).

9.0—News.

9.15-9.30—Political Press Review.

9.35—Records: Dance and Light Music.

11.0-12.0 m't.—See Frankfurt.

TOULOUSE (Radio-Toulouse) (France)
913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.0 a.m.

6.15 p.m.—Operetta Music.

6.40—Film Music.

6.50—News; Sports; Music.

7.22—Chansonnettes.

7.40—Light Music.

7.55—Variety Item.

8.0—Operetta Songs, "Florestan I" (Heymann), "Yana" (Christine), "Au Pays du Soleil" (Scotto), "Paris en joie" (Trenet), "The Land of Smiles" (Lehár).

8.30—Sketch.

9.10—Talk.

9.15—Maurice Saint-Paul (Accordion).

10.0—News.

10.15—English Concert.

11.15—Excerpts, "Mirella" (Gounod).

11.35—Light Music.

11.50-12.0 m't.—News.

TURIN GROUP (Italy)

Turin (No. 1), 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday. Transmits at intervals from 6.45 a.m.

4.0 p.m.—News.

4.15-4.50—Maria Borgo Kleudgen (Violin).

5.45—See Rome Group.

6.0—Concert. Conductor: Fasano.

7.0—News; Talks; Light Music.

7.36—Rome (No. 2 only)—News and Talk in English.

8.0—Symphony Concert. Conductor: Rossi. Ornella Pulitanti-Santolouido (Pfte.). Chaconne (Bach, arr. Casella). Pfte. Concerto in G minor (Sgambati). Preludio magico (Frazzi). Introduction, Passacaglia and Finale (Salviucci). Good Friday Music, "Parsifal" (Wagner). Overture, "Oberon" (Weber). In the interval, Talk.

10.0 (approx.)—News.

10.15 (approx.)—Dance Music.

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday. Transmits at intervals from 5.45 a.m.

4.25 p.m.—Maria Husa (Soprano). Songs of Rinaldini, Kienzl, Reger and Wolf.

4.55—French Lesson.

5.15—Talk: Cultural Films.

5.30—Talk: Austrian Art.

5.50—Astronomy.

6.0—News.

6.10—Report: The Iron in the Tyrol.

6.40—Viennese Melodies. Station Orchestra. Conductor: Holzer. Arnold (Songs). Overture, "Poet and Peasant" (Suppé). Song, "The Duchess of Chicago" (Kálmán). Waltz, Abendsterne (Lanner). Song, "s' wird schöne Maderln geb'n (Gruber). Annenpolka (Strauss Sen.). Deutschmeisterrmarsch (Jurek). I bin a echa Weana (Sioly). Erinnerungen an das alte Wien (Riedinger). Song, Selige, fröhliche Alt-Wiener Zeit! (Prechtl). March, Es gibt nur a Wien (Holzer). Song, I bin ein stiller Zecher (Leopoldi). March, "Die goldene Meisterin" (Eysler). Songs (Arnold). Polka, Jockey (Strauss).

7.40—The Modern Ballad—Der Bohrturm (Löns).

7.45—"Am Brunnen vor dem Tore."

8.45—Short Stories.

9.10—News.

9.20—Station Dance Band; at 9.55-10.0—Announcements.

WARSAW (Poland)

224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday. Transmits at intervals from 5.15 a.m.

3.15 p.m. (from Poznan)—Waldteufel Waltzes by a Military Band.

3.50—Topical Talk.

4.0—Talk: Tripoli.

4.15 (from Cracow)—Hoffman (Pfte.). Toccata, Adagio and Fugue in C (Bach-Busoni). Two Sonatas (Scarlatti). Scherzo in E minor (Mendelssohn). Rondo in E flat (Hummel). Etude (Liszt).

4.50 (from Cracow)—Nature Talk.

5.0—Sports Notes.

5.10—Letter-Box; Programmes.

5.35—For Country People.

6.0—Literary Discussion.

6.30—Polish Music by the Harfa Choir, Conductor: Lachman.

6.50—Topical Talk.

7.0 (from Lwów)—"Un mari à la porte" (Offenbach).

7.50—News.

8.0—Topical Talk.

8.5 (from Torun)—Pomeranian Music Society's Concert. Symphony Orchestra, Conductor: Guttra, Kowalski (Cello). Symphony in B flat (Bach). Cello and Orchestra: Variations on a Rocco Theme (Tchaikovsky). Symphonic Poem, Moldavia (Smetana). Petite Suite (Debussy).

9.5—Station Dance Band.

9.50-10.0—News.

NATIONAL

For Time Signals, see Monday. 10.15 a.m. (D)—Service. 10.30 (D)—Weather Forecast. 10.45—"Backstage at Bellahouston." 11.0—Cinema Organ. 11.30—Quintet. 12.15 p.m.—Orchestra: Frank Brady (Baritone). 1.15—Records. 2.0—Jack Leonard's—Orchestra. 2.30—BBC Northern Orchestra. 3.30—Scottish C.W.S. Band. 4.0—Evensong from St. Paul's Cathedral. 4.50—Records. 5.0—Al Collins and his Dance Orchestra. 5.40—Alan Bartlett (Violin). 6.0—The First News. 6.20—"Farming To-day." H. G. Sanders, Ph.D., and W. S. Mansfield. 6.40—Ena Baga (BBC Theatre Organ). 7.0—Alkan: Egon Petri (Pfte.). 7.30—"London Pic." 8.15—BBC Symphony Orchestra, conducted by Willem Mengelberg. Brahms, No. 3, etc. 9.10—The Third News. 9.30—See 8.15 (contd.). 10.30—BBC Theatre Orchestra. 11.15—Joe Loss and his Band. 11.30-12.0—Swing 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. 10.45 (Western)—National. 11.30 (ex. Western)—Cinema Orchestra. 12.15 p.m.—Records. 1.0 (ex. Western, Scottish)—"From the Four Corners." 1.0 (Scottish)—Cookery talk. 1.20 (ex. Western)—"Round the London Organs." 2.0 (ex. Western)—Dorothy Chalmers (Violin). 2.30—Records. 3.0 (ex. Western)—Geiger and his Orchestra. 3.30—Records. 3.45 (ex. Western)—"Mistress and Maid." 4.0—Dance Records. 5.0 (ex. Western)—Children's Hour. 5.0 (Western)—National. 6.0 (Regional, Midland, Western)—Theatre Music by Alfred Reynolds. 6.0 (Northern)—Songs. 6.0 (Welsh)—Welsh talk. 6.0 (N. Ireland)—Les Thorpe and his Band. 6.0 (Scottish)—Scottish Studio Orchestra. 6.20 (Welsh)—BBC Welsh Orchestra. 6.30 (Northern)—"Cumbriana:" programme of Song, Verse, and Story. 6.30 (N. Ireland)—Hymn Recital. 6.30 (Scottish)—"Thirty Minutes Hard." 6.40 (Regional, Western)—Talk on "Cloves and Rubber." 6.40 (Midland)—"What Industry Offers Your Child:" discussion. 6.50 (N. Ireland)—Rugby Football: Combined Universities v. Rest of Ireland. 7.0—The Second News. 7.20—Regional Announcements. 7.30 (Regional, Northern, Western)—Cecil Dixon (Pfte.). 7.30 (Midland)—Helmar Fernback (Tenor). 7.30 (Welsh)—Welsh News. 7.30 (N. Ireland)—"As I See It:" Adrian Robinson. 7.30 (Scottish)—Peggy Thomson (Cello); Jessie Clapperton (Pfte.). 7.45 (ex. Welsh)—The World Goes By. 7.45 (Welsh)—The Changing Face of South Wales. 8.5—Records. 8.15 (ex. Western)—The Band Wagon. 8.15 (Western)—"They Made the West:" a Chronicle of English history. 8.45—Dance Cabaret. 9.0 (Regional, N. Ireland, Scottish)—"The Case of Lady Talond:" a play by Norman Edwards. 9.0 (Midland)—Life in Birmingham, past and present. 9.0 (Northern)—"The Whistle Blows:" radio play by T. Thompson. 9.0 (Welsh)—Melodies of Wales. 9.30 (Welsh)—"Mystery at Milford Haven." 9.35 (Regional, Western, N. Ireland)—BBC Military Band. 9.35 (Scottish)—Greenock Gaelic Choir. 9.40 (Midland)—Pfte. syncopation. 9.40 (Northern)—The Rhythmic Four. 10.0—News Summary. 10.25 (ex. Western; Midland, Scottish 10.45)—Joe Loss Band. 10.25 (Midland)—Reading. 10.30 (Scottish)—Evening Worship. 11.30 (ex. Western)—Records. 11.50-12.0 (ex. Western)—Late News Summary.

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 100 kW. Dublin, etc. See Sunday. 1.30 p.m.—Records. 2.30—For Schools. 3.0-4.0—Combined Universities v Rest of Ireland Rugby Match. 5.30—Records: Duets. 6.0—Two Comedians: Joe Duffy and Dan Byrne present "New Year Nonsense." 6.20—Chevis (Mandoline). 6.35—Irish News Feature. 6.45—News. 7.0—Mother Mary Aikenhead Anniversary Programme. 7.30—Patrick Oakley (Violin). 7.45—Dual Personalities by Fuge. 8.0—"Mother Goose"—Pantomime (Jimmy O'Dea), from the Gaiety Theatre, Dublin. 8.45—Irish Transport Brass and Reed Band, McCormick (Bass). 9.30—Variety. 10.30—News; National Anthem.

BARCELONA (EAJ1)

(Spain) 795 kc/s (377.4 m.); 13 kW. Transmits at intervals from 8.0 a.m. 9.0 p.m.—News; Topical; Records. 9.30—A Play. 11.0—Topical Talk. 11.15-12.0 m't.—News in Foreign Languages.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Stuttgart. 1.0 p.m.—News; Water Level. 1.15—Station Orchestra. 2.15—Exchange; Markets. 2.35-3.0—Records. 3.30—Däubler's "Hymne an Italien." 3.45—A Story (Herrmann). 4.0—Ballads, Reibold (Pfte.), Dittmer (Baritone). 4.35—Report: Photography. 5.0—Glahe Band. 6.0—News. 6.10—Records, Sir Thomas Beecham conducting. Sarabande and Tambourin (Handel). Festivo (Sibelius). Legend (Dvořák). 6.45—Evening Echoes. 7.0—Orchestra and Choir, Else Wolf and Graumann (Songs). 9.0—News. 9.30-11.0—See Breslau.

BEROMÜNSTER

(Switzerland) 556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.). 5.30-5.50 a.m.—Gym. 11.0—Light Orchestra. 11.29—Time; News; Exchange. 11.40 a.m.-12.45 p.m.—Radio Orchestra. 3.25—Records of Jack Hylton's Band. 4.0—Orchestral Records. 4.10—Chamber Music for Children. 4.45—Lecture-Recital: Swiss Composers for the Young. 5.0—For Children. 5.30—Balalaika and Banjo Records. 5.50—Dialect Talk. 6.0—Time; Announcements. 6.15—Records; Interview. 6.45—News. 6.55—Talk: London in the Eighteenth Century. 7.15—Two Dialect Plays. 8.30—Lecture-Recital: Old Italian Masters of the Violin. 9.15—Talk. 9.25-9.30—News; Programmes.

BRATISLAVA

(Czechoslovakia) 1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 5.15 a.m. 5.0 p.m.—Hungarian Transmission. Literary Review; Margit Berenyi (Pfte.). Prelude and Fugue in F minor (Bach). Sonata in C minor—the Pathetic (Beethoven); Sports Notes. 5.45-6.25—See Prague. 6.25—Carnival Sketch with Music from Kosice. 6.55—Verdi Overtures by the Station Orchestra. Guest Conductor: Karel Nedbal. "Sicilian Vespers," "The Force of Destiny," "Luisa Miller," "Joan of Arc" and "Nebuchadnezzar." 7.35-9.15—See Prague. 9.15—News in Hungarian. 9.30-10.0—Records.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz and Görlitz, 1,231 kc/s (243.7 m.). Transmits at intervals from 4.30 a.m. 11.0 a.m.—See Stuttgart. 1.0 p.m.—News; Exchange.

1.15-2.0—Band and Trio. 2.30—For Children. 3.0—Station Orchestra, etc. 5.0—Talk with Records: The Modern Italian Women. 5.20—Talk: Hibernants. 5.35—Talk: Horses in the Great War. 5.50—Programmes; Markets. 6.0—News. 6.10—"So trunken sie die liebe lange Nacht"—Sequence about Love and Wine, (arr. Schwarz); Music by Sczuka. 7.0—String Quartet in A minor, Op. 132 (Beethoven) by the Grohmann Quartet. 7.40—Talk: The World of Islam. 8.0—Motto. 8.10—Sound News. 8.25—Light and Dance Music. 9.0—News. 9.20—To be announced. 9.30-11.0—Light and Dance Music.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.15 a.m. 4.40 p.m.—German Transmission "L'Amour Médecin"—Play (Molière). 5.15—News. 5.35—For Workers. 5.45-6.25—See Prague. 6.25—Folk Music of Southern Moravia—Station Orchestra and Chorus, Conductor: Bakala. Songs and Dances for Chorus and orchestra (Chlubna). Folk Dances (Janaček). 6.55—Medical Talk. 7.10—Dramatic Programme by Members of Brno National Theatre. 7.50-10.0—See Prague.

BRUSSELS (No. 1)

(Belgium) 620 kc/s (483.9 m.); 15 kW. 6.30-9.5 a.m.—Records; News; Gym. 12.0 noon—Records: Light Music. 12.30 p.m.—Weather; Shipping. 12.33—Belgian Operetta Music—Orchestra. Conductor: Souris. 1.0—News; Topical. 1.10—Light Orchestra. 1.30—Records: Light Music. 2.0—Art Notes. 2.3-3.15—For Schools—Nursery Rhymes in English, etc. 4.55—News; Announcements. 5.0—Belgian Chamber Music. The Liège Quartet and Mme de Jardin (Songs). Sérénade tendre (Jongen). Songs (Rasse). Fantasia (d'Agreves). Oriental Melodies (Quinet). Quartet in D minor (Dupuis). 6.0—Talk. 6.15—Light Orchestra. Conductor: Souris. Gilman (Flute), Ferrari (Songs). Overture, "Richard III" (Gilson). Fantaisie-sérénade for Flute and Orchestra (Dejoncker). Four Walloon Dances (Derouette). Songs: (a) Wiegeli (Mozart), (b) Tristesse (Chopin). Wintersoud (Demaret). Rhapsody on Danish Folk-Songs (Reesen). 7.0—Review: (a) For Ex-Service-men. (b) Periodicals, (c) Industrial. 7.15—Records. Excerpts, "Romeo and Juliet" (Gounod). Hymne à la liberté (Gosse). 7.30—News; Topical. 8.0—"Arsène Lupin"—Four-Act Play (de Croisset-Leblanc). 10.0—News; Topical. 10.10—Records: Humoresque (Jongen). 10.15—Talk: Dialect Literature. 10.25-11.0—Records. Overture, Fingal's Cave (Mendelssohn). Moto Perpetuo (Ries). Duet, "Ciboulette" (Hahn). Excerpt, "Karelia" (Sibelius). Strauss Potpourri (Weber). Hawaiian March (Bordin).

BRUSSELS (No. 2)

(Belgium) 932 kc/s (321.9 m.); 15 kW. Programme in Flemish. 6.30-9.5 a.m.—Records; Gym; News. 12.0 noon—Song Records. 12.30 p.m.—Weather; Salon Orchestra. Conductor: Féron. 1.0—News; Shipping. 1.10—Brenders Dance Band. 1.30-2.0—Records: English and American Operetta Music. 4.40—News; Talk. 5.0—Salon Orchestra. Conductor: Féron. 5.30—For Children. 6.30—Records for Children. 6.45—Protestant Address. 7.0—Gasfon Feremans sings his own Flemish Songs. 7.30—Tourist Report. 8.0—Flemish Composers—I.N.R. Symphony Orchestra and Choir. Conductors: Franz André and

Jan. 19 WEDNESDAY

Gras. Marguerite Thys (Songs), Marcel Gazelle (Pfte.), Weissenberg (Violin). Symphonic Poem, Roland (De Sutter). Pfte. Concerto (Herberigs). 8.45—Talk by M. Steverlynck, President of the Flemish Economic League. 9.0—Orchestra, etc. (contd.). Flemish Mosaic (Moeremans). Violin Concerto (De Vreese). "De Hovenier"—Suite for Soprano, Choir and Orchestra, to Text of Rabindranath Tagore, Dutch trans. Van Eeden (Meulemans). 10.0—News; Topical. 10.10—Rodenbach Poems. 10.30-11.0—Ballet Records. Excerpts, "Coppélia" (Delibes) and "Marouf" (Rabaud).

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania, 160 kc/s (1,875 m.). Transmits at intervals from 4.30 a.m. 4.2 p.m.—Julea Orchestra. 5.15—Lecture-Recital: Ciprian Porumbescu, Tudor and Flondor. 6.15—Light in Music—Records, 7.0—Educational. 7.15—Sauer (Pfte.) and the Radio Orchestra, from the Athenæum. Conductor: Perlea. Pfte. Concerto in E minor (Sauer). Pfte. Concerto in A minor (Schumann). Pfte. Concerto in E flat (Beethoven); at 8.20-8.35—News; Sports. 9.10—Predesco Orchestra. 9.45—News (French, German).

BUDAPEST (No. 1)

(Hungary) 546 kc/s (549.5 m.); 120 kW. Transmits at intervals from 5.45 a.m. 11.5 a.m.—Gyula Horvath Cigány Band. 12.30 p.m.—Records; at 1.40—News. 3.0—From the State Opera: "The May Queen" (Gluck); "The Holy Torch" (Dohnányi); "Pesther Karneval" (Liszt). 6.30—Sándor Bura Cigány Band. 7.30—Talk: French Poets in Hungary. 8.15—Guttenberg Jazz Band. 9.25—Opera Orchestra. Conductor: Rajter; Margit-Lászlóffy (Pfte.). Eine Faust-Ouvertüre (Wagner). Pfte. Concerto (Stefániai). Dance Symphony (Zádor); at 10.0—News in French and Italian. 10.35—Dance Records. 11.5—News.

BUDAPEST (No. 2)

(Hungary) 359.5 kc/s (834.5 m.); 18 kW. 4.30 p.m.—Station Band. 5.35—Italian Lesson. 6.5—Records: Spanish Symphony (Lalo), by Hubermann and Orchestra. 7.30—News.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Workers' Band. 12.0 noon—News; Greetings. 12.15 p.m.—See Stuttgart. 1.0—News. 1.15—Light Music. 2.0-2.30—For Children. 2.45—Markets. 3.0—Genealogy. 3.30—Berlin Philharmonic Wind Ensemble and Nahrot (Pfte.). Quintet in D (Reicha). Trio for Flute, Bassoon and Continuo (Zachow). Divertimento (Mozart). Serenade and Theme with Variations for Wind Quintet (Blumer). 4.30—Records: Favourite Overtures. 5.0—Topical. 5.50—Snapshots. 6.0—News. 6.10—Old Dances. Station Orchestra. Conductor: Riethmüller. Carnival Suite (Dittersdorf). Lustige Feldmusik (Krieger). Ballet Suite (Rameau). Ballet Suite (Gluck). 7.0—For Ex-Service-men. 7.30-11.0—Hagedstedt Dance Band and Soloist from Bad Godesberg; at 9.0—News.

DEUTSCHLANDSENDER (Germany)

191 kc/s (1,571 m.); 60 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Police Band from Danzig. 12.50 p.m.—News.

1.0—Bands and Records. 2.0—Exchange; Markets. 2.15—Records of Dusolina Gianini (Soprano) and Elly Ney (Pfte.); at 2.30—Programmes. 2.50—Visit to a Bavarian Lace Factory. 3.0—Station Orchestra. Conductor: Dobrindt; at 4.0-4.10—A Story (Rodemann). 5.0—Silvia Kind (Harpisichord), Seiler (Viola d'amore). Toccata (Froberger). Variations on "Unter den Linden grüne" (Sweelinck). Sonata in F for Viola d'amore and Harpsichord (Ariosti). March (Couperin). 5.25—Elbertzhagen reads. 5.40—Talk: Rowing Regattas. 6.0—News. 6.10—Kauffmann Band with Bruno Aulich and Krüger-Lorenzen. 8.0—Topical Talk. 8.15—BBC Symphony Orchestra. Conductor: Mengelberg, from London (National). 9.10—News. 9.30-9.45—Celeste Chop-Groenevelt (Pfte.). Ballad (Pirani). Arabesque on the Strauss Waltz, "Künstlerleben" (Fuhrmeister). 10.0-11.0—Light and Dance Music from Frankfurt.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Cassel, etc. See Sunday. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Band and Tenor. 12.0 noon—Time; News. 12.15 p.m.—See Stuttgart. 1.0—Time r. News; Records. 2.0—Industrial News. 2.15—For Children. 2.45—Cultural Review. 3.0—Orchestra. 3.30—Sonata in B flat (Reger) for Clarinet and Pfte. 5.0—Topical Talk. 6.0—Time; News. 6.10—Station Orchestras. Conductors: Moritz and Hauck; Irma Beilke (Soprano), Folke-Svensson (Tenor), the Meister Vocal Sextet, and the Station Choir. Conductor: Bruchhaus. Part I, Light and Operetta Music. Part II, Opera Music. Overture, "The Secret Marriage" (Cimarosa). Excerpts, "Don Pasquale" (Donizetti), "Andrea Chénier" (Giordano), "Il Pagliacci" (Leoncavallo), "Rigoletto" (Verdi), "Turandot" (Puccini), "Mignon" (Thomas), "Rigoletto" (Verdi), "The Jewels of the Madonna" (Wolf-Ferrari), "The Magic Flute" (Mozart), "Tosca" (Puccini), and "Il Trovatore" (Verdi). 8.15—Homeland Programme. 9.0—Time; News. 9.20—Comrade, where are you? 9.30—Light and Dance Music. 11.0-12.0 m't.—See Stuttgart.

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW. Bremen, etc. See Sunday. Transmits at intervals from 5.10 a.m. 11.0 a.m.—Orchestra from Hannover. 12.0 noon—Weather; Topical. 12.15 p.m.—See Stuttgart. 1.0—News. 1.15—Music. 2.0—Shipping. 2.15—Markets. 2.25—Quintet for Flute, Horn, Violin, Viola, and Cello (Bulling). 2.50—Ice Report. 3.0—Light Orchestra. Talks in the intervals. 5.0—Talk: Theatrical Costumes. 5.15—Augusto Garavello (Italian Songs and Arias). 5.40—Talk: The Nation's Food. 5.50—Weather; Shipping. 6.0—News. 6.10 (from Stettin)—Marches. Military Band. Conductor: Thiele. 7.0—"Brandmeister Helmke"—Play (Mahlau). 7.40—Concert on Records. Szenen aus dem Mittelalter (Lautenschlager). Excerpts, "Coppélia" (Delibes). Baliszene (Helmberger). Märchen aus dem Orient (Strauss). 8.10—String Quartet in D minor, "Der Tod und das Mädchen" (Schubert) by the Hamann Quartet. 9.0—News. 9.20—Light and Dance Music. 10.15-11.0—Light and Dance Music from Frankfurt.

WEDNESDAY (January 19)

HILVERSUM (No. 1)

(Holland)

160 kc/s (1,875 m.); 10 kW. until 2.40 p.m.; 150 kW from 2.40 p.m. Also on Lopikerkapel, 722 kc/s (415.4 m.); 17 kW. * See page 20.

7.40-9.40 a.m.—VARA Programme.

7.40—Records.

9.10—Talk.

9.40—VPRO Service.

10.0 a.m.—7.10 p.m.—VARA Programme.

10.0—Recitations; Records and Steyn (Organ).

11.10—Talk.

11.40—Records.

12.10 p.m.—VARA Orchestra.

Conductor: de Groot.

12.55-1.25—Records.

1.40—Dressmaking Lesson.

2.10—For Women.

2.45—For Children.

5.10—Jong (Organ).

5.40—Concert by the Fantasia.

Conductor: Walis. Records in the intervals.

6.40—Songs.

7.10—VPRO Talk.

7.40-11.40—VARA Programme.

7.40—Announcements.

7.55—Orchestra. Conductor: de Groot.

8.25—Recitations.

8.55—VARA Orchestra. Conductor: de Groot.

9.45—Elsje Rijkens (Songs).

10.10—Records.

10.40—Steyn Accordion Band.

11.10-11.40—Records.

HILVERSUM (No. 2)

(Holland)

995 kc/s (301.5 m.); 15 kW until 6.10 p.m.; 60 kW from 6.10 p.m.

NCRV Programme.

7.40 a.m.—Bible Reading; Meditation; Records of Sacred Music.

8.10—Records; at 9.10—Greetings.

10.10—Religious Programme.

10.40—Records.

10.55—Van der Horst Ensemble; at 11.40—Announcements; Records.

1.10 p.m.—Records.

1.40—Mlle. L. v. d. Hoeven (Soprano) and Mlle. B. Gevers (Pfte.).

2.40—Reading.

3.10—Hausdörfer (Pfte.).

4.10—Records.

4.25—Greetings; For Young People.

5.25—Records.

5.40—Talks; Announcements; Report.

7.40—News.

7.55 (approx.)—"Con Amore" and "Pro Rege" Choirs and Soloists, and the Dutch Chamber Orchestra. Conductor: Smink; at 8.35—Talk.

10.20—News; Gym.

10.40-11.40—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 6.0 a.m.

11.0 a.m.—1.0 p.m.—Horn Orchestra. Conductor: Christensen; at 11.50—Songs to Jacobsen Text (Nielsen) by Ebba Bjørnhoj.

1.15—For Schools.

1.45—Rydahl's Ensemble; at 2.25—Reading.

3.30—For Children.

3.50—Announcements.

4.0—Talk: Carl Zeiss.

4.25—Weather; Exchange; Markets.

4.50—Records; Talk.

5.35—French Lessons.

6.0—News.

6.30—Talk: Bornholm Farming.

7.0—Dialogue.

7.10—Lehar Operetta Music. Radio Orchestra. Conductor: Grøndahl.

Annikki Arni (Songs). Overture, "Der Göttergatte," Songs from (a) "Giuditta," (b) "Frederica," (c) "The Merry Widow," Selection, "Eva," Waltz, "Paganini," Mariska. March "The Man with the Three Wives."

7.50—Talk: Copenhagen University.

8.20—Music of Holberg's Time. Radio Orchestra. Conductor: Grøndahl.

Concerto grosso in D (Corelli). Ballet, "Piramo e Tisbe" (Hasse). Symphony in E flat (J. C. Bach).

9.0—News.

9.20—Danish Opera Music. Radio Orchestra. Conductor: Grøndahl.

Overture, "Lulu" (Kuhla).

Excerpts, "Drot og Marsk" (Heise). Prelude, "Frode" (Bechgaard). Tarantella, "Fête galante" (Schiebeck). Prelude and Dance, "Maskerade" (Nielsen).

10.15-11.30—Ewans' Dance Band; at 11.0—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.

11.0 a.m.—See Stuttgart.

1.0 p.m.—News; Talk; Music.

1.55-2.0—Exchange.

2.30—Practical Hints.

2.40—Songs and Music.

3.0—Orchestra; at 3.50—Talk.

4.50—Ice Report.

5.0—Review of Reviews.

5.15—Wind music of Frederick the Great's Time.

5.50—Topical Talk.

6.0—News.

6.10—Opera Records. Overture, "The Flying Dutchman" (Wagner). Excerpts, "Die KönigsKinder" (Humperdinck).

"Tosca" (Puccini) and "Faust" (Gounod). Overture, "The Bartered Bride" (Smetana). Excerpts, "Le Postillon de Longjumeau" (Adam), "Der Wildschütz" (Lortzing) and "Il Trovatore" (Verdi). Overture, "Fra Diavolo" (Auber). Excerpts, "Rigoletto" (Verdi), "Aida" (Verdi) and "Il Pagliacci" (Leoncavallo). Overture, "Mignon" (Thomas).

8.0—News.

8.15—Song Programme. Charlotte Bona-Piratzky (Soprano), Helene Raeder (Contralto), Spilcker (Baritone), Pogner (Violin), Müller (Viola), Ehrlich (Cello), Krantz (Spinnet and Pfte.).

9.0—News; Reading.

9.35-11.0—Serenade on 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 5.0 a.m.

11.0 a.m.—Band.

12.0 noon—Time; News.

12.15 p.m.—See Stuttgart.

1.0—Time; News; Exchange.

1.15—Wagner Records.

2.5—Talks at Art Notes.

3.0—See Deutschlandsender; at 4.0-4.10—Industrial News.

5.0—Talk.

5.20—Poems (Weinheber).

5.35—Music.

5.50—Topical Talk.

6.0—News.

6.10—Fricke Band and Freundorfer Instrumental Quartet.

7.0—"Ski-Heil"—Variety with the Station Choir, the Freundorfer Instrumental Quartet, and Singers.

8.0—Sibelius Concert. Leipzig Symphony Orchestra, Conductor: Weisbach. Fourth Symphony. Valse romantique. Canzonetta.

Dance-Intermezzo.

9.0—News.

9.30-11.0—See Breslau.

LILLE (Radio PTT Nord)

(France)

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

Transmits at intervals from 6.30 a.m.

5.45 p.m.—Brasserie Concert. Conductor: Le Meitour. Selection, "The Love Parade" (Schertzing). Excerpt, "Figaro" (Mozart). Barcarolle (Soret). Frühlingstimmen (Strauss). Risa de España (Rozanes). Neapolitan Song (Bonincontro). Salut d'amour (Elgar). Deep River (Coleridge-Taylor).

6.30—Educational.

7.0—For Gardeners.

7.10—Talk in English.

7.25—Record.

7.30—Radio Journal.

8.0—"L'oncle de Chicago"—Play (Bertot).

8.30 (also Limoges (PTT) and Toulouse (PTT))—From the Opéra, Paris. After the Programme, News.

LISBON (Portugal)

629 kc/s (476.9 m.); 15 kW.

Transmits at intervals from 12.0 noon.

5.20 p.m.—Tea Concert.

6.20—Military Notes; Concert.

6.50—News; Music.

7.50—News; Spanish Notes.

8.15—Cruz Orchestra.

9.5—Financial Notes; Records.

9.50—Politics; Orchestra.

10.30—News; Orchestra; Records.

11.30-12.0 m't.—News; Dancing.

MONTE CENERI

(Switzerland)

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

Transmits at intervals from 11.0 a.m.

6.50 p.m.—News.

7.0—Microphone Report from Mesocco.

7.45—Records: "Cavalleria rusticana" (Mascagni).

8.35-9.0—"I suoi occhi—di Smeraldo"—One-Act Play (Bianchi).

MOSCOW (No. 1) (Russia)

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

4.30 p.m.—News for the Arctic.

5.0—Concert.

6.0—A Microphone Tour.

7.0—Dramatic Programme.

8.15—Music.

8.30—News; Kremlin Chimes.

9.0—Programme in French.

10.0—Programme in German.

11.0-12.0 m't.—Programme in Spanish.

MUNICH (Germany)

740 kc/s (405.4 m.); 100 kW.

Relayed by Nürnberg, 1,267 kc/s (236.8 m.).

Transmits at intervals from 5.0 a.m.

11.0 a.m.—See Stuttgart.

12.0 noon—Time; News.

12.15 p.m.—Records: Light Music.

1.0—News; Exchange.

1.15—Variety from Stuttgart.

2.0-2.30—Dialect Play.

3.0—The Karl Quintet, Elisabeth Oswald (Violin), Rubasch (Pfte.).

3.40—"Who's right?"—Discussion.

4.0—Weather; Markets.

4.10—Records: Schneider Band, Carmen Becker (Songs), Preissler (Accordion), the Teutonia Quartet, etc.

5.45—German for Germans.

6.0—Time; News.

6.10—"Schwäbische Garnisonen"—Military Band and Male Voice Choir.

8.0-11.30—See Turin Group. In the interval at 8.50-9.10—News; Talk on Act II; at 9.50-10.10—News; Talk on Act III; and at 10.50-11.10—Talk on Act IV.

NAPLES GROUP (Italy)

Naples, 1,104 kc/s (271.7 m.); 10 kW.

Florence (No. 1), etc. See Sunday.

6.0 p.m.—Light Music and Songs.

6.15—Topical.

6.25—"Captain Fracassa"—by the Italo-Ferrari Puppets.

6.45—Light Music.

7.0—Time; News.

7.20—Government Notes.

7.30—Band, Conductor: Arlandi. Talk in the interval.

8.40—Sketch.

9.15 (approx.)—Dance Music.

10.0—News.

10.15-10.55—Dance Music.

OSLO (Norway)

260 kc/s (1,153.8 m.); 60 kW.

Fredrikstad, etc. See Sunday.

Transmits at intervals from 9.30 a.m.

4.5 p.m.—Café Concert.

4.55—German Lesson.

5.20—For Boys.

5.45—News.

6.15—For Farmers; Report.

7.0—Marches and Dances—Station Orchestra. Conductor: Kramm.

7.30—Talk from the University.

8.0—Svendsen Concert. Station Orchestra. Conductor: Kramm.

Knudsen (Violin). Prelude. Norwegian Air. Norwegian Rhapsody. Romance for Violin and Orchestra. Polonaise.

8.40—News; Topical Talk.

9.15—Talk: Bridge.

9.35-10.15—Dance Records.

PARIS (Eiffel Tower)

(France)

1,456 kc/s (206 m.); 7 kW.

Transmits at intervals from 6.30 a.m.

7.30 p.m.—Radio Journal; Time.

8.0—Alice Raveau (Songs), Ginette Guillaumat (Pfte.). Songs: (a) Malentendu (Lazzari-Bleumont), (b) Langueur nocturne (Lazzari-Lahor); Pfte.: Excerpts, "Sauterjot" (Lazzari). Songs (Lazzari): (a) Chanson de Marguerite, (b) Le Chien de Jean de Nivelle.

8.30 (also Lyons (PTT), Bordeaux-Lafayette, Montpellier (PTT))—"La Jalouse"—Three-Act Play (Sacha Guitry) from the Comédie Française.

10.30—Records.

11.0-11.15—News.

PARIS (Poste Parisien)

(France)

959 kc/s (312.8 m.); 60 kW.

Transmits at intervals from 7.10 a.m.

12.0 noon—Exchange; Records.

12.25 p.m.—News; Exchange; Records.

12.55—Songs.

1.15—Amusements; Records: Sketches.

1.30—Records.

1.50—Film Review.

2.0—Exchange; News.

3.45 and 4.35—Exchange.

5.0—News.

5.5—Records: Seventh Symphony (Beethoven).

6.0—Exchange; News.

6.10—Jewish Programme.

6.20—Records of Segovia (Guitar). Gavotte, Fugue and Prelude (Bach). Fandanguillo (Turina).

6.35—Records of André Pernet. Arias, "Don Giovanni" (Mozart), "Faust" (Gounod).

6.45—Legal Talk.

6.50—Talk: Electricity.

6.58—Topical; Sports.

7.10—Detective's Four Minutes.

7.14—Amusements; Records: La Féria (Lacôme).

7.45—Records: Excerpts, "La Nuit est belle" (Goublier).

8.0—Topical.

8.10—Fernandel's Song of Songs.

8.15—"Mozart" (Sacha Guitry).

8.45—Talk.

8.50—"La bonne histoire."

9.2—News.

9.10—Max Regnier and Company.

9.55—News.

10.10—Dance Music.

10.30 11.0—From the Shéhérazade.

PARIS (PTT) (France)

695 kc/s (431.7 m.); 120 kW.

Transmits at intervals from 6.30 a.m.

2.30 p.m.—Programme for the Blind. Radio-Paris Quartet, Sorbier, Cherry Kobler, etc. Pfte. and Cello Music. "La Mandragore"—Sketch (Bon Temps); Songs.

4.0—Reading (Fauconnier);

4.15—Records; Talk.

4.30—Germaine Vincent (Songs).

4.50—Science Talk.

5.0—Mozart Records.

5.15—Music Review by M. Oulmont, with Pfte. Illustrations.

5.30—Talk: Travel.

5.45—Medical Talk.

6.0—Educational.

6.30—France Brochet (Pfte.). Two Etudes (Chopin). Il était une fois (Geloso). Toccata (Debussy).

6.45—Marguerite Girard (Songs). Lettre d'amour (Pierné). Rosier blanc (Ackermans). Chanson russe (Paladilhe). Le marinier joli (Richepin).

7.0—Radio Journal; News.

8.0—"Au Café du Commerce"—Sketch (Schewaelb), with the Author.

8.30—To be announced.

10.30—U.S.A. Bulletin.

10.45—Records. Overture, "Les Cloches de Corneville" (Planquette). Overture, "La Fille de Madame Angot" (Lecocq). Songs, "La Basoche" (Messager), and "Véronique" (Messager).

11.0—News.

PARIS (Radio-Paris)

11.45—News; Weather. 12.0 m't.—Midnight Melodies. 12.30-1.0 a.m. (Thursday)—Dance Music.

RENNES-BRETAGNE (France)

1,040 kc/s (288.5 m.); 120 kW. Transmits at intervals from 6.30 a.m. 6.45 p.m.—News in English. 7.0—Radio Journal. 7.30—Symphony Concert. Conductor: Henderick. Overture, Le Carnaval romain (Berlioz). Mother Goose (Ravel). Ballet, "Siang-Sin" (Hüe). 8.0—News; Records; Talk. 8.30—Orchestral Concert from Nice-Côte d'Azur. After the Concert, News.

ROME GROUP (Italy)

Rome (No. 1), 713 kc/s (420.8 m.); 50 kW. Bari (No. 1), etc. See Sunday. Transmits at intervals from 6.45 a.m. 4.15-4.50 p.m.—De Angelis Tipica Orchestra. 6.0—Talk (German). 6.20—For Motorists. 6.30—Radio Orchestra, Conductor: Filippini. 7.0—Time; News. 7.20—Government Notes. 7.30—Light Music. 8.0—Arrigo Serato (Violin). Talk in the interval. 9.15—"Le porte di giada"—One-Act Play (Franzoso). 9.45—Dance Music. 10.0—News. 10.15-10.50—Dance Music.

SOTTENS (Switzerland)

677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.). 9.10-9.45 a.m.—For Schools. 11.30—News; Weather. 11.40 (from Geneva). —Records. 12.0 noon-12.45 p.m.—A Film. 4.0-5.0—See Beromünster. 5.0—For Young People. 5.45—To be announced. 5.50—Talk: Art in Switzerland. 6.5—To be announced. 6.15—Micro-Magazine. 6.50—News; Weather. 7.0—Lina Falk (Contralto). 7.30—"Les Femmes savantes"—Comedy (Molière).

9.0—Hot Jazz. 9.30-10.0—League of Nations Report. 100th Session of the Council.

STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday. Transmits at intervals from 6.20 a.m. 4.5 p.m.—Saxophone Quartet from Malmö. Minuet (Bolzoni). Padouana (Schein). Petite Suite (Lully). 4.30—Reading. 5.0—Records. 6.0—Weather; News. 6.30—Bellman Choir. Conductor: Lundvik. Här är landet (Alfven). Serenade (Kjerulf). Margit (Lundvik). Folk Song (arr. Fjeldtoppen). Five Songs (Bellman). 7.0—Talk: Swedish Economic History. 7.30—Göteborg Radio Orchestra. Conductor: Eckerberg. Debess (Bassoon). Overture, "The Caliph of Bagdad" (Boieldieu). Oriental Suite (Platen). Bassoon: Der alte Brummbär (Fucik). Perpetuum mobile (Strauss). Waltz (Waldteufel). Selection, "Showboat" (Kern). 8.30—Reading (Blomberg). 8.45—Weather; News. 9.0-10.0—Eichwalds Dance Band.

STRASBOURG (France)

859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m. 5.15 p.m.—Light Orchestral, Roskam ("Cello"). Prelude, "Loreley" (Bruch). Träume (Wagner). Albumblätter (Wagner). "Cello Pieces. Excerpts, "Martha" (Flotow). Waltz (Lincke). Excerpts, "Véronique" (Messager). 6.0—Economic and Social Notes. 6.30—For Young People. 7.0—Radio Journal. 7.30—See Rennes-Bretagne. 8.0—News in German. 8.15—News. 8.30—Russian Music from Besançon. Orchestra. Conductor: Poulet. Jeanne-Marie Darré (Pfte.). Braminoff (Baritone). Sixth Symphony—the Pathetic (Tchaikovsky). Songs: (a) Aria, "Prince Igor" (Borodin), (b) The Fir-Tree and the Palm (Rimsky-Korsakov), (c) Song

(Glazunov). Pfte. Concerto (Rimsky-Korsakov). Pfte. Interlude: (a) Ballad (Chopin), (b) Foxtrot (Ravel-Marchex), (c) Pester-Karneval (Liszt). Songs: (a) Persian Song (Rubinstein), (b) Resurrection (Grechaniunov), (c) The Statue of Tsarsko-Selo (Cui), (d) Lada (Pohl). Polovtsian Dances (Borodin). 10.30—News. 10.45—News in German.

STUTT GART (Germany)

574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Station Orchestra. 12.0 noon—Time; News. 12.15 p.m.—Band, Folk-Music Ensemble, etc. 1.0-2.0—Variety. 3.0—Records with Commentary. 5.0—Light Music. 5.30—Topical Talks. 6.15—Talk: German Aviation. 6.45—Records. 7.0—"Wie es Euch gefällt"—Musical Sketch Book. 8.0—"Ein Leben in Liedern"—Cycle for Tenor, Boys' Choir, Mixed Choir and Orchestra (W. Brückner-Rüggeberg) to Poems of Franz Xaver Reiter (1681-1728). 9.0—News. 9.15-9.30—Discussion: Avalanches. 9.35—Orchestra, Dance Band, Oswald (Violin), Dürr (Pfte.). Siebenbürgische Ouverture (Brückner). Waltz (Lühr-Huber). Violin: Canzonetta (d'Ambrosio). Capriolen (Kreuder). Violin: Der Zephir (Hubay). Deutsche Städtebilder (Schönian). Violin: Humoresque (Dvořák). Waltz (Huhn). Violin: Tanzlied (Schubert-Pehm). Excerpts, "The Daughter of the Regiment" (Donizetti). Violin: Berceuse (Ranzato). Waltz (Fucik). Gute Nacht (Mück). 11.0-12.0 m't.—The Wiesbaden Collegium musicum. Sonata in D (Rosenmüller). Brandenburg Concerto (Bach). Hamburger Tafelmusik (Telemann).

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.0 a.m. 6.55 p.m.—News; Sports. 7.15—Light Music.

WEDNESDAY (January 19)

7.45—Film Music. 8.10—Talk. 8.20—Revue. 9.0—Ray Ventura's Collegians. 9.30—Excerpts, "Yana" (Christine). 10.0—News. 10.15—English Concert. 11.15—"Promenade exotique"—Fantasy. 11.35—Light Music. 11.50-12.0 m't.—News.

TURIN GROUP (Italy)

Turin (No. 1), 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday. Transmits at intervals from 6.45 a.m. 4.0 p.m.—News. 4.15—Busotti (Pfte.). Sonata in A minor (Scarlatti). Ballad in F minor (Chopin). Mazurka in C sharp minor (Chopin). Theme with Variations (Martucci). 6.20—For Motorists. 6.30—See Rome Group. 7.0—News. 7.20—Government Notes. 7.30—Light Music. 7.36 (Rome (No. 2) only)—News in English. 8.0-11.30—"Carmen" (Bizet) from La Scala, Milan. Conductor: Capuana. Chorus—Master: Veneziani. Cast: Jussi Björling, Ettore Nava, Aristide Baracchi, Giuseppe Nesi, Duilio Baronti, Melchiorre Luise, Gianna Pederzini, Licia Albanese, Matilde Arbuffo and Maria Marcucci. In the intervals from 8.50-9.10, 9.50-10.10 and 10.50-11.10—Talks, Announcements and News.

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday. Transmits at intervals from 5.45 a.m. 3.5 p.m.—Classical Records. 4.0—Cultural Review. 4.10—Contemporary Austrian Composers—Wilhelm Kienzl Concert. Rosette Andhay (Contralto), Duhan (Baritone), Klitsch (Recitations), the Composer (Pfte.). 5.0—Two Talks: New Industrial Regulations.

5.20—Talk with Records of Bird Voices. 5.40—Talk: Austria's Agrarian Policy. 6.0—Time; News. 6.10—Topical Talk. 6.25—"The Girl of the Golden West" (Puccini) from the State Opera; at 7.25-7.35; and at 8.25-8.40—Talks on the Opera. 9.10—News; Programmes. 9.20—Station Dance Band; at 9.55-10.0—Announcements.

WARSAW (Poland)

224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday. Transmits at intervals from 5.15 a.m. 2.45 p.m.—Talk: Lindbergh. 3.0—Polish for Poles. 3.15 (from Łódź)—Orchestra, Conductor: Nagujewski. Overture (Hérolt). Scandinavian Suite (Juel-Fredericksen). Thomas Potpourri (arr. Artok). 3.50—Topical Talk. 4.0—Talk: Future Warfare. 4.15—Pulikowski ("Cello"). Romance (Zelenski). Adagio (Dvořák). Rondo (Dvořák). Spanish Dance (Popper). 4.50 (from Cracow)—Talk: Cookery and Hygiene. 5.0—Sports Notes. 5.10—Polish Folk Dancing Lesson. 5.30—Programme Notes. 5.35—For Country People. 6.0—Reading. 6.20—Children's Songs (Kazura) by Izzygim (Contralto). 6.35—Talk: Bronislaw Tentowski. 6.50—Topical Talk. 7.0—Folk Song Records. 7.45—News; Topical Talk. 8.0—Chopin Recital by Hermelin (Pfte.). Four Ballads. Two Mazurkas. 8.45—Polish Poetry. 9.0—Station Orchestra. Conductor: Górzynski. March (Snieckowski). Concert Overture (Goldwyn). Concert Waltz, Masquerade (Gebhardt). Selection, "Cinderella" (Coates). Rhapsody, España (Chabrier). Three Dances (German): (a) Mock Morris, (b) Gavotte, (c) Jig. March (Górzynski). 9.50-10.0—News.

NATIONAL

For Time Signals, see Monday. 10.15 a.m. (D)—Service. 10.30 (D)—Weather Forecast. 10.45—"At Home Today." 11.5—Records. 11.35—Theatre Orchestra. 12.30 p.m.—"At the Black Dog." 1.0—Records. 1.40—Two Short Stories. 2.0—Records from the films. 2.30—Shula Doniach (Pfte.). 2.50—Empire Exchange. 3.15—Bournemouth Municipal Orchestra: Suggia ("Cello"). 4.45—Care of the Hands: Mary Embrey. 5.0—Victor Silvester and his Ballroom Orchestra. 5.40—Records. 6.0—"The First News. 6.20—Book talk. 6.40—BBC Scottish Orchestra: Catherine Mentiply (Contralto). 7.30—Jack Jackson's Dance Band. 8.30—"The Way of Peace"—talk. 9.0—"The Third News. 9.20—Music of Bela Bartók: Frederick Grinke, David Martin (Violins); Bela Bartók (Pfte.). 10.0—Mid-Week Service. 10.20—Grieg's Music: The Serge Krish Septet with Maria Marova (Soprano). 11.0—Bert Firman's Orchestra. 11.30-12.0—Dance Records.

REGIONAL

For Time Signals, see Monday. 10.15-10.45 a.m. (ex. Western)—National. 10.45—Cinema Organ. 10.45 (Western)—National. 11.15 (ex. Western)—Quintet. 12.0 (ex. Western)—Light Classical Concert. 12.45 p.m. (ex. Northern, Western) Folk songs and Airs. 12.45 (Northern)—Ballads. 1.15 (ex. Western)—BBC Northern Ireland Orchestra (String Section). 2.0 (ex. Western)—"Cross Section;" Pontypool Educational Settlement. 2.30 (ex. Western)—Records. 3.0 (ex. Western)—Royal Air Force Band. 3.30 (Scottish)—Mid-Week Service. 4.0 (ex. Western)—Orchestra. 4.30 (ex. Western)—Tomorrow's Songs. 5.0—Children's Hour.

6.0 (ex. Western)—"At Your Service, Madam:" a musical play. 6.0 (Western)—Edgar Hawke and the Phantom Five: Doris Powell King (Contralto). 6.45 (Western)—For Young Farmers. 7.0—The Second News. 7.20—Regional Announcements. 7.30 (Regional)—Fiddling Records. 7.30 (Midland)—City of Birmingham Orchestra: Tom Bromley (Pfte.). 7.30 (Northern)—The Hallé Orchestra conducted by Malcolm Sargent. 7.30 (Western)—Beryl Chappell (Soprano); Marie L. Holloway (Pfte.). 7.30 (Welsh)—Welsh News. 7.30 (N. Ireland)—J. T. Frankland (Organ). 7.30 (Scottish)—For Farmers. 7.45 (Welsh)—Welsh light programme. 7.50 (Scottish)—Thorpe Davie Choir. 8.0 (Regional, Western)—"Last Year in the Canadian Arctic." 8.0 (N. Ireland)—"If..." Lord Elton. 8.15 (Regional, Western, Scottish)—London Symphony Orchestra conducted by Anthony Collins: Landowska (Pfte.). 8.15 (Welsh)—Dilys Wynne Jones (Contralto); Constance Izard (Violin); Megan Lloyd ("Cello"); Patrick Piggott (Pfte.). 8.20 (Northern)—Border Ballads. 8.20 (N. Ireland)—Whiteway String Quartet. 8.30 (Midland)—Dance Records. 8.30 (Northern)—Johnny Rosen's Band. 9.0 (Northern)—Variety. 9.5 (ex. Northern, Western, Scottish)—Excerpt from "Goody Two Shoes," with Binnie Hale. 9.5 (Western)—Records. 9.5 (Scottish)—Badminton: Scotland v. Ireland. 9.25 (Scottish)—Radio Lampoon. 9.35 (Western)—The Five Microtones. 9.45 (Western)—Short story. 10.0—News Summary. 10.25 (ex. Western)—Bert Firman's Orchestra. 11.30 (ex. Western)—Records. 11.50-12.0 (ex. Western)—Late News Summary.

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 100 kW. Dublin, etc. See Sunday. 1.30 p.m.—Records. 2.30-3.0—For Schools. 5.30—Annie Fagan, Edith Kelly Lange and Kathleen Pollaky—Instrumental Trio. 5.50—Reading in Irish: An Taoille Traha (Mairtin O'Dircaim). 6.5—Cathleen Wright (Pfte.). 6.20—Annie Fagan's Trio. 6.35—Irish News Feature. 6.45—News. 7.0—Viola O'Connor ("Cello"). 7.15—On with the Motley—M. J. J. MacKeown. 7.35—Irish Music by the Irish Radio Orchestra: Eilis Denn (Contralto), John Cummins (Accordion) and Michael Hession (Fiddle). 8.30—Great Actors in Great Parts—Scenes from Plays (Recorded). 9.0—Musical Knights—Programme of Songs and Choruses, presented by Julia Gray. 9.30—Variety Programme. 10.30—News; National Anthem.

BARCELONA (EAJI) (Spain)

795 kc/s (377.4 m.); 7.5 kW. Transmits at intervals from 8.0 a.m. 9.0 p.m.—News; Topical; Records. 11.0—Topical Talk. 11.15-12.0 m't.—News in Foreign Languages.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—1.0 p.m.—See Frankfurt. 1.0—News; Water Level. 1.15—Krepela Sextet. 2.15—Exchange; Markets. 2.35-3.0—Records. 3.30—Wilhelm Busch Sequence (arr. Fortner), produced by Max Bing. 4.0—Chamber Music. Songs (Rasch). Suite (Reger). 4.45—Talk: Frontier Problems. 5.0—Krepela Sextet, etc. 6.0—News; Topical. 6.10—Records: "The Bartered Bride" (Smetana) with Hamilton Harty and Erich Orthmann conducting.

Jan. 20 THURSDAY

6.45—Evening Echoes. 7.0—Dance Music—Station Orchestra, and Glahé Band. 9.0—News; Sports. 9.35-11.0—See Stuttgart.

BEROMÜNSTER (Switzerland)

556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.). 5.30-5.50 a.m.—Gym. 11.0—Records of Giesekeing (Pfte.). 11.29 a.m.—12.45 p.m.—Time; News; Records. 3.0—For Invalids. 4.0-5.0—See Sottens. 5.0—Weber Records. 5.30—Talk: Wieland and Switzerland. 6.0—Time; Markets; Records. 6.20—Technical Talk. 6.45—Weather; News. 6.55—Talk: Great Singers of the French Romantic Era. 7.15—The Basic Orchestral Society's Concert from the Conservatoire. Conductor: Aeschbacher. Leny Reitz (Violin). 8.30—Dance Records. 9.25-9.30—News.

BORDEAUX-LAFAYETTE (France)

1,077 kc/s (278.6 m.); 35 kW. Transmits at intervals from 6.30 a.m. 8.30 p.m.—"Gillette de Narbonne" (Audran). 10.30—News.

BRATISLAVA (Czechoslovakia)

1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 5.15 a.m. 5.0 p.m.—Hungarian Transmission: Talk; Anna Kornhauser (Hungarian Songs). 5.45-7.0—See Prague. 7.0—Talk: Lord Byron. 7.15-9.15—See Prague. 9.15—News (Hungarian); Record. 9.35-10.10—See Prague.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz and Görlitz, 1,231 kc/s (243.7 m.). Transmits at intervals from 4.30 a.m. 11.0 a.m.—Light Orchestral, etc. 1.0 p.m.—News; Exchange. 1.15-2.0—See Berlin. 3.0—See Deutschlandsender. 5.0—Book Talk; Reading. 5.30 (from Gleiwitz)—Topical. 5.50—Announcements; News. 6.10—Poems and Songs of Work. 7.0—"The Day's Motto. 7.10—Station Orchestra from the Konzerthaus. Conductor: Prade. Marianne Ruths (Mezzo-soprano). Suite, Aus Holbergs Zeit (Grieg). Songs (Grieg): (a) Es singt, (b) Liebe, (c) Begegnung, (d) Weher Tag. Song, Last Journey (Alnaes). Symphonic Poem, Finlandia (Sibelius). First Symphony (Brahms). 9.0—News. 9.15—Max Schmeling and Ben Foord—Reports from their Training Camps (Recorded). 9.35-10.30—See Stuttgart.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.15 a.m. 4.40 p.m.—German Transmission: For Workers; Records; Talk: Wieland. 5.15—News. 5.20—Theatre and Film Review. 5.30—Morse Lesson. 5.45-10.10—See Prague.

BRUSSELS (No. 1) (Belgium)

620 kc/s (483.9 m.); 15 kW. 6.30-9.0 a.m.—Records; News; Gym. 12.0 noon—Records. 12.30 p.m.—Weather; Shipping. 12.35—Radio Orchestra. 1.30—Records. 2.0—Art Notes. 4.55—News. 5.0—Records: Concert Waltz (Glazunov).

THURSDAY (January 20)

- 5.10—Music for Children by Minnie Minet-Matzen (Pfte.). Pièces pour enfants (Sinar). Excerpts, "Kinderboek" (Voor-molen). Yvonne en visite (Albeniz). Jazz for Children (Seiber).
- 5.30—For Children.
- 6.0—Art Review.
- 6.15—Concert. Part I. Records with Violin Solos by Léon Guller. Record: Air pour le Carrousel de Monsieur (Lully). Violin: (a) Allegro (Vivaldi), (b) Gavotte (Arne), (c) Presto (Leclair). Record: Le Triomphe de l'Amour (Lully). Violin: (a) Aria (Handel-Ysaye), (b) The Hunt (Giardini-Guller). Records (Lully): Excerpts from: (a) "Alceste," (b) "Thésée." Part II. Dances. Waltz, Augustin (Woitschach). Gipsy Polka (Veivoda). Bavarian Tales (Richardt). Polka, Ninetta (Pörschmann).
- 7.0—For Workers.
- 7.15—Records.
- 7.30—News.
- 8.0—Radio Orchestra. Conductor: Gason. March from Le petit Duc (Lecocq). Overture, The Caliph of Bagdad (Boieldieu). Records. Violin: Doux propos (Février). Ballet, "Madame Chrysanthe" (Messager). Records. Selection, "La Fille de Madame Angot" (Lecocq). The Skaters' Waltz (Waldteufel).
- 9.0—Report: The Bas-Prés Studio.
- 9.15—Orchestra, etc. (contd.). Three Styrian Dances (Pacher-negg). Three Dances, "Tom Jones" (German). Records: Corsican Folk Songs. Chants et Danses Suisses (Binet). Hofball-tänze (Lanner).
- 10.0—News.
- 10.10-11.0—Serenade. Anspach (Tenor), Nahum Slusznycy (Pfte.), Van Neste (Violin) and Carael (Cornet). Tenor: Ich habe genug (Bach). Trio in E flat (Brahms). Two Excerpts, Ein Marienleben (Hindemith).

BRUSSELS (No. 2)

- (Belgium)
- 932 kc/s (321.9 m.); 15 kW.
- Programme in Flemish.
- 6.30-9.5 a.m.—Records; News; Gym.
- 12.0 noon—Records.
- 12.31 p.m.—Féremans (Folk-Songs).
- 12.40—Salon Orchestra. Conductor: Féron.
- 1.0—News; Shipping.
- 1.10—Brenders Dance Band.
- 1.30—Féremans (Folk-Songs).
- 1.40-2.0—Records.
- 4.55—News.
- 5.0—Records. Pfte. Concerto in C (Beethoven). La Vie antérieure (Duparc). Phidylé (Duparc). Scherzo (Lalo).
- 5.45—For Children.
- 6.30—Records: Coecilia Choir, Conductor: De Vocht.
- 6.45—Talk.
- 7.0—K.V.R.O. Notes; Film Review.
- 7.3—Talk: Hilarion Thans, Poet.
- 7.30—News.
- 8.0—Brenders Jazz Band, with Carillon Interludes by Biglow.
- 8.45—Talk: Frédéric Ozanam.
- 9.0—Concert by the Musica Antiqua Society, from the Lemmens Institute, Malines. Conductors: Van den Borre and Stafford Cape.
- 9.50—Tota Pulchra (Brückner).
- 10.0—News.
- 10.10-11.0—Records. Selection, "The Merry Peasant" (Fall). Song, Mijn moedertal (Brandts-Buys). Solveig's Song (Grieg). Song, Wenn du traurig bist (Bénatzky). Fiorituro italica. Excerpt, "Werther" (Massenet). Song, Schön wie der Frühling. Gui-gui. Waltz (Lincke). Excerpts from the film "The Unfinished Symphony" (Schubert). Waltz, "Les Cloches de Corneville" (Planquette).

BUCHAREST (Romania)

- 823 kc/s (364.5 m.); 12 kW.
- Relayed by Radio-Romania, 160 kc/s (1,875 m.).
- Transmits at intervals from 4.30 a.m.
- 4.2 p.m.—Radio Dance Band.
- 5.0—Book Review.
- 5.15—Radio Dance Band.
- 5.45—Talk.
- 6.0—Mutaffian Mandoline Band.
- 6.35—Italian Songs by Petre Munteano.
- 7.0—Introductory Talk to the 7.15 Concert.

- 7.15—Philharmonic Orchestra from the Athenaeum. Conductor: Albert Coates. In the interval, News and Sports Notes.
- 9.0—Records: Light Music.
- 9.45—News (French, German).

BUDAPEST (No. 1)

- (Hungary)
- 546 kc/s (549.5 m.); 120 kW.
- Transmits at intervals from 5.45 a.m.
- 11.5 a.m.—Station Orchestra.
- 12.20 p.m.—Csorba Cigány Band.
- 1.40—News.
- 3.15—Frau Stumpf.
- 4.0—For Farmers.
- 4.30—Isolde Ahlgrimm (Hammer-klairer).
- 5.0—Talk with Illustrations: Bulgarian Folk Music.
- 6.0—Programme by Antal Szerb.
- 6.30—Military Band. Conductor: Figédy. Overture, "Le Roi d'Ys" (Lalo). Variations on a Hungarian Theme (Figédy).
- 7.0—Lili Berkly and Gyula Gózon.
- 8.45—News.
- 9.10—Auréli Kern Memorial Programme. Palestrina Choir and Budapest Concert Orchestra: Conductors: Viktor Vaszy and Rezső Lavotta; Rózi Marschalkó and Dr. Imre Molnár (Songs).
- 10.15—Pertis Cigány Band.
- 11.5—News.

BUDAPEST (No. 2)

- (Hungary)
- 359.5 kc/s (834.5 m.); 18 kW.
- 4.0 p.m.—Records.
- 5.30—English Lesson.
- 7.5—Military Band.
- 7.45—Records.



Fräulein Lilly Trautmann, one of the singers in Cologne's opera music at 6.10 p.m. (Deutschland-sender, 7 p.m.)

COLOGNE (Germany)

- 658 kc/s (455.9 m.); 100 kW.
- Transmits at intervals from 5.0 a.m.
- 11.0 a.m.—Station Orchestra.
- 1.0-2.0 p.m.—News; Music.
- 2.30—Legal Hints; Notes.
- 3.0—See Deutschlandsender.
- 4.0—Experiences in America.
- 4.30—Richardt Quartet; Guitar. Quartet in D (Haydn). Movement, Quintet in C (Boccherini).
- 5.0—Wilhelm Schäfer Anniversary.
- 5.50—Snapshots; News.
- 6.10—Opera Music—Orchestra, Choir, Singers. Excerpts, "Der Schauspieldirektor" (Mozart), "Le Cadi dupé" (Gluck), "The Seraglio" (Mozart), "The Magic Flute" (Mozart), "La Veuve Grapin" (Flotow), "Alessandro Stradella" (Flotow), "Indra" (Flotow), "Martha" (Flotow), "The Merry Wives of Windsor" (Nicolai).
- 7.40—"Die armseligen Besenbinder"—Play (Hauptmann); Music by Zillig. Conductor: The Composer.
- 9.0—News.
- 9.20—Italian Lesson.
- 9.35-11.0—See Stuttgart.
- DEUTSCHLANDSENDER (Germany)
- 191 kc/s (1,571 m.); 60 kW.
- Transmits at intervals from 5.0 a.m.
- 11.0 a.m.—12.50 p.m.—See Breslau.
- 12.50—News; Records.
- 2.0—Weather; Exchange; Markets.
- 2.15—Old Music on Old Instru-ments; at 2.30—Programmes.

- 3.0—Station Orchestra. Conductor: Dobrindt. Part I: Light Classical. Part II: New Music. Part III: Five Strausses; at 4.0-4.10—Humorous Verse.
- 5.0—Vocal and Instrumental. Three Songs (Cherubini). Moments musicaux (Schubert). Three Songs (Schumann). Phantasie-stücke (Schumann). Three Songs (Dvořák).
- 5.45—Report from St. Moritz: The European Figure-Skating Cham-pionships.
- 6.0—Motto; News.
- 6.10—"More Humour!" (Christo-pher); Music by Kleine.
- 7.0—Opera Music from Cologne.
- 8.0—Report: Cellular Wool.
- 8.15—"Glück ohne Ruh'"—A Love-Song Play after Folk-Melodies (Berien). Conductor: Gömer.
- 9.0—News; Sports; Topical.
- 9.30-9.45—Divertimento (Mozart).
- 10.0-11.0—Busch. Dance Band.

FRANKFURT (Germany)

- 1,195 kc/s (251 m.); 25 kW.
- Cassel, etc. See Sunday.
- Transmits at intervals from 5.0 a.m.
- 11.0 a.m.—Light Orchestra.
- 12.0 noon—News; Road Report.
- 12.15 p.m.—Light Orchestra.
- 1.0—News; Records.
- 2.0—Talk; For Children; Sports.
- 3.0—Trier Municipal Orchestra, Contemporary Light Music.
- 5.0—Topical.
- 6.0—Time; News.
- 6.10—"Bunte Bühne in Spiessers-hausen" (Witt); Music by Neu-mann. Station Orchestra, etc.
- 7.45—Wilhelm Schäfer Sequence (Rieth).
- 8.15—"Seele des Menschen, wie gleichst du dem Wasser"—Choral and Orchestral Music after Goethe. Poems—Station Choir and Orchestra. Conductor: Bruch-haus. Gesang der Geister über den Wassern (Schubert). Meeres-stille und glückliche Fahrt (Beet-hoven). Overture to "Scenes from Goethe's Faust" (Schu-mann). Requiem für Mignon (Schumann).
- 9.0—Time; News; Sports.
- 9.20—U.S.A. Bulletin.
- 9.35—See Stuttgart.
- 11.0-12.0 m.t.—Serenade (Records). Night on the Bare Mountain (Mussorgsky). Normannenzug (Bruch). Third Symphony (Sibe-lius).

HAMBURG (Germany)

- 904 kc/s (331.9 m.); 100 kW.
- Bremen, etc. See Sunday.
- Transmits at intervals from 5.10 a.m.
- 11.0 a.m.—Kiel Orchestra.
- 12.0 noon—Midday Review.
- 12.15 p.m.—See Frankfurt.
- 1.0—News; Music.
- 2.0—Shipping; Markets.
- 2.25—Pfte. Records.
- 2.50—Ice Report.
- 3.0—Station Orchestra and Talks.
- 4.15—"Great Field-Marshals and Insignificant Rankers"—Anec-dotes.
- 5.0—Songs and Tales; Interlude.
- 5.45—Weather; Shipping.
- 6.0—News.
- 6.10—Opera Records.
- 6.50—Max Schmeling and Ben Foord—Reports from their Train-ing Camps.
- 7.10—Viennese Folk-Comedy Songs of Three Centuries (arr. v. Clar-mann). Station Orchestra, etc.
- 8.0—Lovely Waltzes—Station Or-chestra. Conductor: Secker. Weaner Mad'n (Ziehrer). Delirien-Walzer (Strauss). Künstler-leben (Strauss). Waltz, "Faust" (Gounod). Waltz, "Die Puppen-fee" (Bayer). Destiny (Baynes). Pas des fleurs (Delibes). Waltz, "Der Rosenkavalier" (Strauss).
- 9.0—News.
- 9.20—U.S.A. Bulletin.
- 9.30-11.0—Symphony Orchestra. Conductor: von Sosen.

HILVERSUM (No. 1)

- (Holland)
- 160 kc/s (1,875 m.); 10 kW.
- until 2.40 p.m.; 150 kW. from 2.40 p.m. Also on Lopikerkapel, 722 kc/s (415.4 m.); 17 kW.
- * See page 20.
- AVRO Programme.
- 7.40 a.m.—Time; Records.
- 9.40—Service.
- 9.55—Records.
- 10.10—AVRO Orchestra. Conductor: van Raalte. Be Gerris (Pfte.). In the interval—Dressmaking Lesson.
- 12.10 p.m.—Records.
- 12.40—Pierre Palla (Organ) and Boris Lensky (Violin).
- 1.10—Kovacs Lajos Orchestra.
- 1.40—For Women.
- 2.10—Egbert Veen (Pfte.) and de Vente (Flute).

- 2.40—Dressmaking Lesson.
- 3.25—Pierre Palla (Organ).
- 3.40—For Hospitals.
- 4.10—Pierre Palla (Organ).
- 4.30—Play for Children.
- 5.10—Aeolian Orchestra.
- 6.10—Sports Talk.
- 6.40—For Children.
- 6.45—AVRO Dance Band.
- 7.10—English Lesson.
- 7.40—Time; News.
- 7.55—Symphony Concert from the Concertgebouw, Amsterdam. Concertgebouw Orchestra. Conductor: Eduard van Beinum. Jo Vincent (Soprano), Louis van Tulder (Tenor) and Laurens Bogtman (Bass). Four Pieces (Landré). Songs (Diepenbrock). Variations and Fugue on a Mozart Theme (Reger). Cantata, L'enfant prodige (Debussy). In the interval—Records.
- 10.25—Records.
- 10.40—News.
- 10.50—AVRO Dance Band.
- 11.20-11.40—Records.

HILVERSUM (No. 2)

- (Holland)
- 995 kc/s (301.5 m.); 15 kW until 6.10 p.m.; 60 kW from 6.10 p.m.
- 7.40 a.m.—8.55 a.m.—KRO Programme: Records.
- 9.40-10.40—NCRV Programme: Records; Service; Records.
- 10.40 a.m.—1.40 p.m.—KRO Programme
- 10.40—Records.
- 11.10—Religious Address; An-nouncements.
- 11.55—KRO Orchestra. Conductor: van 't Woud; at 12.40—Records.
- 1.40 till Close—NCRV Programme.
- 1.40—For Women.
- 2.40—Berghout ('Cello) and Geir-naer (Pfte.).
- 3.25—Bible Reading.
- 4.25—For Young People.
- 4.55—Records.
- 5.25—Engels (Organ).
- 6.25—Talks; Announcements; Records; Report.
- 7.40—News.
- 7.55 (approx.)—NCRV Orchestra. Conductor: v. d. Hurk; at 8.40—Talk, and at 9.40—News; Talk.
- 10.25—Gym.
- 10.40-11.40—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 6.0 a.m.
- 11.0 a.m.—1.0 p.m.—Louis Preil's Ensemble.
- 1.40—Reading (Brodersen).
- 2.0—Petersen Orchestra.
- 3.30—For Children.
- 3.50—Wireless Notes.
- 4.0—Reading.
- 4.25—Weather; Exchange; Mar-kets.
- 4.50—Records.
- 4.55—Operetta Duets by Annie Jessen and Blicher-Hansen. Ex-cerpts, "The Count of Luxem-bourg" (Lehár), "The Czardas Princess" (Kálmán) and "Coun-tesse Maritza" (Kálmán).
- 5.15—Talk: Tracks in the Forest.
- 5.35—English Lesson.
- 6.0—News.
- 6.20—Letter-box.
- 6.30—Talk; Africa.
- 7.0—Records.
- 7.10—Fourteenth Thursday Con-cert. Symphony Orchestra, Guest Conductor: Fritz Busch. Blanche Honegger (Violin). Symphony in G minor (Nielsen). Ten minutes interval. Violin Con-certo in D (Beethoven). Suite, "Daphnis et Cloé" (Ravel).
- 9.0—News.
- 9.20—Excerpts, "Don Juan" (Byron) by Svend Methling.
- 9.45—Mandoline and Guitar En-semble. Conductor: Gurevitch. Bruxelles Metropolitan (Koester). Frühlingserwachen (E. Bach). A Fête in Seville (Koester). O mio Fernando (Bellini). Nadejda (Maciocchi). Nights of Gladness (Ancliffe).
- 10.15-11.30—Preil's Dance Band; at 11.0—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.
- 1.0 p.m.—See Frankfurt.
- 1.0 p.m.—News; Talk; Variety.
- 1.55-2.0—Exchange.
- 2.30—Reading.
- 2.45—"The Snowman"—Story with Songs (Irene Herr).
- 3.5—Records; Week-end Notes.
- 4.40—For Women.
- 4.50—Ice Report; Biology.

- 5.15—Sacred Music—Hartung (Organ), and the Station Choir; Announcements.
- 6.0—News; Road Report.
- 6.10—Station Orchestra. Conductor: Laber. Rita Weise (Soprano). Part I, Music of German Composers Abroad. Orchestral Piece (Horn). Three Songs (Kornauth). Fifth Sym-phony (Richter). Part II, Spanish Composers. Suite, Iberia (Albeniz-Arbo). Four Songs (Manén). Ballet, "The Three-Cornered Hat" (Fallá).
- 8.0—Topical.
- 8.15—Humorous Sequence.
- 9.0—News; Road Report.
- 9.20—"Ludwig Finkh, Doctor and Poet"—Sequence (Rukschcio).
- 9.40-11.0—Music from Stuttgart.

LEIPZIG (Germany)

- 785 kc/s (382.2 m.); 120 kW.
- Relayed by Dresden, 1,285 kc/s (233.5 m.).
- Transmits at intervals from 5.0 a.m.
- 11.0 a.m.—1.0 p.m.—See Frankfurt.
- 1.0—News; Exchange; Records.
- 2.5—Talk; Reading.
- 2.50—Brazilian Bulletin.
- 3.0—Station Orchestra, etc. Con-ductor: Blumer; at 4.0-4.10—Exchange.
- 5.0—Report: Airship Construction.
- 5.10—Aviation Books; Music.
- 5.30—Reading; For Farmers.
- 6.0—News.
- 6.10—"Sing and laugh with us!"—Hitler Youth and Maidens, from Halle.
- 7.0—Mozart and Wolf Concert. Dresden Philharmonic, Conductor: Weber. Gerda Nette (Pfte.), Schöffler (Baritone), Richter (Pfte.). Part I: Mozart. Sym-phony in G minor. Pfte. Con-certo in D minor. Overture, "Don Giovanni." Part II: Wolf. Six Songs. Symphonic Poem, Penthesilia.
- 9.0—News; Sports.
- 9.20—"Kind und Löwe" (Goethe, arr. Pfeiffer), Music by Ambrosius.
- 10.10-11.0—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.
- 7.0 p.m.—St. Cecilia Vocal Quartet.
- 7.30—News.
- 8.0—Dialect Programme.
- 8.30—Variety Concert from Limoges (PTT). After the Pro-gramme, News.

LISBON (Portugal)

- 629 kc/s (476.9 m.); 15 kW.
- Transmits at intervals from 12.0 noon.
- 5.30 p.m.—Concert; Records.
- 6.20—Military Notes; For Child-ren.
- 6.50—News.
- 7.0—Military Band.
- 7.50—News; Spanish Notes.
- 8.15—Classical Concert.
- 8.45—Records; For Young People.
- 9.15—Concert; Records.
- 9.50—Politics.
- 10.0—Sextet.
- 10.30—News; Sextet.
- 11.0—To be announced.
- 11.30-12.0 m.t.—News; Dancing.

MONTE CENERI

- (Switzerland)
- 1,167 kc/s (257.1 m.); 15 kW.
- Transmits at intervals from 11.0 a.m.
- 6.15 p.m.—Records; News.
- 7.0—Records of Benvenuto Franci (Baritone).
- 7.30—Symphony Concert. Radio Orchestra. Conductor: Casella. Marcel Moysé (Flute). Flute Concerto in D (Mozart). Fourth Symphony (Beethoven). Flute Concerto in F (Ibert); at 8.25—Books.

MOSCOW (No. 1) (Russia)

- 172 kc/s (1,744 m.); 500 kW.
- 4.45 p.m.—Music.
- 5.0—Talk.
- 5.30—Literary Programme.
- 6.0—Concert.
- 8.30—News; Kremlin Chimes.
- 9.0—Programme in French.
- 10.0-12.0 m.t.—Programme in Spanish.

MUNICH (Germany)

- 740 kc/s (405.4 m.); 100 kW.
- Relayed by Nürnberg, 1,267 kc/s (236.3 m.).
- Transmits at intervals from 5.0 a.m.
- 11.0 a.m.—Records.
- 12.0 noon—News; Topical.
- 12.15 p.m.—Station Orchestra.
- 1.0—News; Exchange.
- 1.15—Morgenstern Songs and Poems set to Music by Graener and von Beckerath.
- 2.0-2.30—For Children.

3.0—Contemporary Music by Hanna Eschenbrücher (Soprano), Lina Daimer (Violin) and Schoen (Pfte.). Songs for Soprano, Violin and Pfte. (Sachsse), with the Composer (Pfte.). Violin Sonata (Ehrenberg); Reading.
4.0—Weather; Markets.
4.10—Light Music—Schneider Band, Max Quartet, etc. In the interval, Topical Talk.
5.30—Topical Report.
6.0—Road Report; News.
6.10—“Extrablätter” (Dostal) (Recorded).
8.0—Records: Light Music.
8.20—The Rome Augusteo Orchestra. Conductor: Molinari (Recorded).
9.0—Time; News; Sports.
9.20-11.0—Serenade—Station Orchestra and Dance Band.

NAPLES GROUP (Italy)
 Naples, 1,104 kc/s (271.7 m.); 10 kW. Florence (No. 1), etc. See Sunday.
6.0 p.m.—Light Music and Songs.
6.15—Topical.
6.25—Mandoline Sextet.
7.0—News; Talk.
7.30—Concert. Conductor: Antonellini. In the interval, Talk.
8.40—“At the White Cat”—Variety.
9.15 (approx.)—Dance Music.
10.0—News.
10.15-10.55—Dance Music.

OSLO (Norway)
 260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday. Transmits at intervals from 6.30 a.m.
5.20 p.m.—Westvang (Songs) and Wang (Flute).
5.45—News.
6.15—To be announced.
6.30—Record.
6.35—Talk: Norwegian Industry.
7.0—Symphony Concert.
8.40—News; Topical.
9.15-10.0—Cabaret on Records.

PARIS (Eiffel Tower) (France)
 1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 6.30 a.m.
3.45 p.m.—Dramatic Programme by the Company Art et Liberté. Part I, “Les Valets” (de Lorde). Part II, Excerpts, “Le dépit amoureux” (Molière). Part III, Excerpts, “The Barber of Seville” (Beaumarchais). Part IV, Excerpts, “Un roi, deux dames et un valet” (Porché).
5.0—Records.
5.45—Warms Orchestra.
6.30—Educational.
7.0—Theatre Review.
7.20—Records.
7.30—News.
8.0—Maurice Tremblay (Songs), Max Chouillier (Pfte.). Songs: (a) Aria, “La rencontre imprévue” (Gluck), (b) Le soir (Thomas). Pfte.: (a) Les Moissonneurs (Cuperin), (b) Gavotte (Cuperin), (c) Le coucou (Daquin). Songs: (a) Le semeur (Castillon), (b) Un petit roseau (d'Argreves). Pfte.: (a) Helvétie, Laufenburg (d'Indy), (b) Le Retour des Muletiers (de Severac), (c) Presto in B flat (Poulenc).
8.30—“P.L.M.” (Christine).
10.30—Records.
11.0-11.15—News.

PARIS (Poste Parisien) (France)
 959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m.
12.0 noon—Exchange; Records: Marches (Sousa).
12.15 p.m.—For Children.
12.25—News; Exchange.
12.39—Variety Concert.
1.15—Amusement Guide.
1.17—For Children.
1.32—Records: Pascal Orchestra.
1.50—Talk: Sacred History in Pictures.
2.0—Exchange; News.
3.45 and 4.35—Exchange.
5.0—News.
5.5—Cabaret.
6.0—Exchange; News.
6.10—Adventure Club.
6.25—For Children.
6.58—Racing.
7.0—Topical; Sports; Amusements.
7.15—Variety Records.
7.40—Legal Talk.
7.45—Paris Programme with Yolanda.
8.0—Topical.
8.10—Les Frères Jacasse.
8.15—“Plaisirs de Paris”—Variety with Robert Rocca, Lyne Clevers, Bianchi and Micheline Day Ensemble and the Zeplili Orchestra.

8.45—Talk.
8.50—“La bonne histoire.”
9.0—News.
9.5—“En correctionnelle” (Diamant-Berger), with Marguerite Moréno, Claude Dauphin and Jean Nohain, etc.
9.45—News.
10.0—Talk with Illustrations: Marian Anderson.
10.30-11.0—Records.

PARIS (PTT) (France)
 695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.30 a.m.
4.0 p.m.—Madeleine Peltier (Pfte.). Waltz (Chopin). Allegro (Mendelssohn). Soirées de Vienne (Schubert-Liszt).
4.15—Talks.
4.30—For Children.
4.45—Francy Orchestra.
5.45—Grammar Lesson.
5.50—Talk: Art and Life.
6.0—For Farmers.
6.30—Antoine Rebolot (Organ). Two Chorals (Bach). Sonata (Bach). Prelude and Fugue in E flat (Saint-Saëns). Improvisation.
7.0—Radio Journal.
8.0—Professor Ragus presents Mme Armandine, Clairvoyant.
8.30—Two Prize-winning Plays from the Radio Competition: (a) “Jacquart, ouvrier français” (d'Absac-Charlier), (b) “The Golden Beetle” (Charles), after Edgar Allan Poe.
10.30—News.
10.45—Records.

PARIS (Radio-Paris) (France)
 182 kc/s (1,648 m.); 80 kW.
6.28 a.m.—Programmes; Records.
6.40—Time; News; Gym; Records.
7.15—News; Records.
8.0—News; Programmes.
8.35—For Boy Scouts.
8.50-9.20—Records.
10.15—Programmes; Records.
10.45—Reading (Edgar A. Poe).
11.0—Records.
11.45—Exchange; Markets.
12.0 noon—Protestant Address.
12.20 p.m.—Orchestra. Conductor: Giardino.
1.0—Time; News; Exchange.
1.30—Emile Rousseau (Songs).
1.45—Ballet, “Le roi s'amuse” (Delibes).
2.0—Programmes; Poems (Hugo).
2.15—Talk: Inventions.
2.30—Exchange; Markets.
2.45—Georges d'Arcy (Songs).
3.0—Records.
3.15—Talk: Elizabethan Drama.
3.25—Colonial Review.
3.35—For Sportsmen.
3.45—Exchange.
4.0—Anita Grey (Songs).
4.15—Educational.
4.45—Exchange; Markets.
5.0—“Amphytrion”—Three-act Comedy in Verse (Molière) from the Odéon.
6.30—Talks.
6.58—Programmes.
7.0—Educational.
7.30—Talk: 18th. Century Cafés.
7.45—Reading (Maurice de Fleury).
7.59—Time; Foreign Affairs.
8.8—Home Affairs.
8.15—Suzanne Peignot (Songs).
8.30—Prologue and Acts I and II, “Boris Godunov” (Mussorgsky) from the Salle Gaveau. National Orchestra and Raugel Choir. Conductor: Inghelbrecht. Cast: Eicheverry, Jobin, Pactat, Hazart, Planel, Prigent, Balbon, Mmes Turba-Rabier, Germaine Corney, and Germaine Cernay; at 9.30—News; Review.
10.30—Records.
10.45—Time; News; Programmes.

PRAGUE (Czechoslovakia)
 638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.15 a.m.
4.10 p.m.—String Quartet in E flat (Schubert), by the Ondříček Quartet.
4.40—For Farmers.
4.50—German Transmission: For Children; Sports; For Farmers.
5.45—News and Review (German).
6.0—Time; News.
6.15—Light Orchestra from Kosice.
7.0—Talk: A Day in Madrid.
7.15-8.5—From Kosice.
7.15—Carpathian Literature and Music.
7.45—Folk Songs by a Children's Choir.
8.5—Variety. FOC Orchestra. Conductor: Jeremias, Marta Krásová (Contralto), Bohac (Recitations).
8.55—Record.
9.0—Time; News; Sports.
9.15—Russian Lesson.
9.35-10.10—Goldberg Variations (Bach) by Latzko (Harpichord).

RADIO-NORMANDIE (France)
 1,113 kc/s (269.5 m.); 15 kW.
6.45 a.m.—Military Band.
7.0—Chansonnettes.
7.15—News; Press Review.
7.45—Physical Exercises.
8.0—Surprise Programme with Ruth Dunning.
8.15—Songs Old and New.
8.30—Popular Tunes.
8.45—Songs of the Century.
9.0—Film Songs.
9.15—Songs.
9.30—Tunes you might have heard.
9.45—Hildegard.
10.0—Radio Favourites.
10.15—The Open Road.
10.30—Popular Music.
10.45—Light Music.
11.0—Dance Music.
11.15—Light Music.
11.30—Chansonnettes.
12.0 noon—Orchestra.
12.20 p.m.—Military Band.
12.45—News.
1.0—For Children.
2.30—Variety.
3.0—Light and Dance Music.
3.15—Cinema Organ.
3.30—Sports; Dance Music.
3.45—Musical Mirror.
4.0—Jane and John.
4.15—Variety.
4.30—Cabaret.
4.45—Popular Music.
5.15—For Children.
5.30—Old Favourites.
6.0—Markets.
6.5—Light Orchestral.
6.30—Week-end (Gaillard) by Jeanne Guntier (Violin).
6.45—News; Racing.
7.0—Music.
7.25—News; Gigány Band.
8.0—“Le crime du Val d'Amour”—Thriller.
8.20—Operetta Music.
9.0—“La Famille Graillot”—Folk Comedy (Robert).
11.0—Café Concert.
11.45—News.
12.0 m't.—Midnight Melodies.
12.30-1.0 a.m. (Friday)—Dance Music.

RENNES-BRETAGNE (France)
 1,040 kc/s (288.5 m.); 120 kW. Transmits at intervals from 6.30 a.m.
8.30 p.m.—Operetta Programme. Conductor: Henderick, Marthe Guy and Henri Brébé (Songs). Part I: Overture, “Le voyage en Chine” (Bazin). Songs (Lecocq). Selection, “Hans the Flute-Player” (Ganne). Songs (Masse), Selection, “Le Jour et la Nuit” (Lecocq). Songs, “Eva” (Lehár). Overture and Ballet, “Cigale et Magali” (Casadesus). Part II. “Bonsoir voisin” (Poise). After the Programme, News; Music.

ROME GROUP (Italy)
 Rome (No. 1), 713 kc/s (420.8 m.); 50 kW. Bari (No. 1), etc. See Sunday. Transmits at intervals from 6.45 a.m.
7.0 p.m.—News.
4.15-4.50—Margherita Cossa (Songs).
5.0-5.10—Talk.
5.0—Concert. Conductor: Carabella. Three Dances and Finale (Clausetti). Prelude, Air and Tarantella (Pilati). Pastorale d'été (Honegger). Symphonic Poem. Aprilia (Carbella).
7.0—News; Talk; Music.
8.0—“Il piccolo Marat” (Masagnani) from the Teatro Carlo Felice, Genoa. Conductor: Ugo Benvenuti. Chorus—Master: Milani. Cast: Luciano Donaggio, Gabriella Gatti, Galliano Masini, Giuseppina Sani, Domenico Malatesta, Nicola Rakowsky, Giannetto Zini, Abele Calcevali, Enrico Molinari and Ottavio Marin. In the intervals, Topical; Notes; News.

SOTTENS (Switzerland)
 677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.).
11.29 a.m.-12.45 p.m.—Time; News; Records.
4.0—Sasselli Orchestra.
4.30—Quartet (Schumann) by the Radio Geneva String Quartet.
5.0—For Housewives.
5.20—French Opera Music—Radio Suisse romande Orchestra. Conductor: Appia. Overture, “Le roi d'Ys” (Lalo). Selection, “Le Jongleur de Notre Dame” (Massenet). Selection, “Samson and Delilah” (Saint-Saëns).
6.0—Talk: The Milk Industry.
6.10—Literary and Art Review.
6.20—Talk: The Swiss Bob-sleighing Championships at Caux; Music.

THURSDAY (January 20)
6.50—News; Weather.
7.0—The Roving Microphone.
7.30—Soirée de chansons—Edith Burger, with René Bersin and his Troupe.
8.45-10.0—Roger Vuteaz Concert. Radio Suisse romande Orchestra, Conductor: Haug. Edmond Appia (Violin). Petit concert pour orchestre. Two Pieces. Prelude and Scherzo for Violin and Orchestra. Suite on Old Folk Themes. Valse lente. Marche rhapsodique savoisienne. Ouverture pour les Jeux du Rhône.

STOCKHOLM (Sweden)
 704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday. Transmits at intervals from 6.20 a.m.
4.5 p.m.—Religious Address from Norrköping.
4.30—Göta Tolvik (Folk Songs).
4.45—For Children.
5.5—Records.
6.0—Weather; News.
6.30 (from Göteborg)—Stenhammar (Almavist Songs).
6.45—Talk.
7.15—Radio Orchestra, Conductor: Grevillius.
8.15—Talk.
8.45—Weather; News.
9.0-10.0—Waldimir Orchestra, Karin Ygberg (Songs). Potpourri, Servus Wien (Dostal). Songs (Hauke). Schön Rosmarin (Kreiser). Kaiserwalzer (Strauss). Ciribiribin (Pestalozza). Songs (Lehár). Selection, “White-Horse Inn” (Stolz-Benatzky).

STRASBOURG (France)
 859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m.
6.30 p.m.—Fernand Rich (Organ). Adagio, Sonata in D minor (Bach). A la venue de Noël (Balbache). Carol (Daquin). Pastorale (Reger). Two Carols (Guilmant).
7.0—News.
7.30—Records.
8.0—News (German, French).
8.30—Records.
8.40—Muhlhouse Chamber Music Society. Conductor: Strubin. Jean Doyen (Pfte.). Chaconne in G minor (Purcell). Pfte. Concerto in E (Bach). Prelude, Arioso and Fughetta on the name BACH (Honegger). Variations for Strings (Arcsens). Pfte.: (a) Baigneuses au soleil (de Séverac), (b) Serenade for the Left Hand (Samazeuilh), (c) Passacaille (Piémé). Concerto grosso in D (Handel).
10.30—News (French, German).

STUTTGART (Germany)
 574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m.
11.0 a.m.-1.0 p.m.—See Frankfurt.
1.0-2.0—Musical Variety.
3.0—Orchestra, etc. Conductor: Hollinger.
5.0—Hitler Youth Winter Sports.
5.30—Topical.
6.0—News; Topical.
6.15—Dance and Variety Records.
7.0—“A Soldier's Life is Merry and Bright”—With the Labour Battalions (Stauder).
8.0—Kleemann Quartet, etc.
8.30—Wilhelm Schäfer Anniversary.
9.0—Time; News; Sports.
9.20—U.S.A. Bulletin.
9.35—“The Sunny South”—Folk and Light Music. Station Orchestra, etc. Südtiroler Alpen (Fischer). Isola bella (Lincke). Gondoliera (Riehs). Funiculi, Funicula (Denza). Poesia Alpêtre (Salvetti). Moonlight in Venice (Curci). Santa Lucia. Venetian Regatta (Rossini). Serenata (Crevetti). Italian Serenade (Knümann). Maria, Marie (di Capua). Goldorangen (Hippmann). Neapolitan Street-Singer (Winkler). Folk Potpourri (Sartori). Capri (Lincke). Amarilli (Caccini). Canzonetta (Weiler). Nostalgia (Sartori). Toma a Surriento (de Curtis).
11.0-12.0 m't.—See Frankfurt.

TOULOUSE (Radio-Toulouse) (France)
 913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.0 a.m.
6.55 p.m.—News; Sports.
7.15—Operetta Airs, “Simone est comme ça” (Moretti), “Malvina” (Hahn), “Normandie” (Misraki), “O mon bel inconnu” (Hahn).
7.45—Chansonnettes.
7.55—Variety Item.
8.0—Light Music.
8.30—Variety.
8.45—Viennese Orchestra.

9.10—Talk.
9.15—“The Forest”—Light Music.
9.30—Dance Music.
10.0—News.
10.15—English Concert.
11.15—Excerpts, “Véronique” (Messenger).
11.35—Light Music.
11.50-12.0 m't.—News.

TURIN GROUP (Italy)
 Turin (No. 1), 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday. Transmits at intervals from 6.45 a.m.
4.0 p.m.—News.
4.15—Parecis Abigal (Soprano) and Kosejuby (Bass).
5.0-5.10—Talk.
6.0—See Rome Group.
7.0—News; Talk; Light Music.
7.36—Rome (No. 2 only)—News and Talk in English.
8.0—“I figli del marchese Lucera”—Three-Act Play (Gherardi).
9.15 (approx.)—Esposito (Organ). Ricercare (Petrini). Fugue on a Theme from Verdi's “Stabat Mater” (Donini). Scena pastorale (Boschi). Sulla soglia del Tempio di Assisi (Chiesca). Scherzo (Galliera). Pasqua (Galliera).
10.0—News.
10.15-10.55—Dance Music.

VIENNA (Austria)
 592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday. Transmits at intervals from 5.45 a.m.
3.5 p.m.—Excerpts from the Season's Operettas and Musical Comedies (Records). Excerpts, “Axel an der Himmelstür” (Benatzky), “Auf der grünen Wiese” (Benes), “Der schiefe Hut” (Märker), “Warum lügst du, Chérie?” (Märker), “Roxy und ihr Wunderteam” (Abraham), “Sie Johann” (Kramer-Weiss), “Bei Kerzenlicht” (Katscher), “Pariserinnen” (Benatzky).
4.0—Talk: Wieland.
4.15—Talk: The Hallstatt Excavations.

4.30—Herrtha Offner (Pfte.). Etude in D sharp minor (Scriabin). Sonatina (Ravel). Minstrels (Debussy). Pieces (Koch): (a) Two Old Viennese Dances, (b) Humoresque. Ständchen (Strauss-Gieseking). Rakoczy March (Liszt).
5.0—Art and Theatre Notes.
5.15—Wilhelm Busch Sequence for Young People (Binder); Announcements.
6.0—Time; News; Snow Report.
6.25 (from Klagenfurt)—“All because of a Young Carinthian!” (arr. Trattinig)—Limmersach Folk-Song Ensemble, Dolores Vieser and Toni Zifferer.
7.25—Music.
7.50—Talk: Victor Kutschera.
8.0—Sacred Music—Hofmusikkapelle. Conductor: Grossmann. Hans Schneider (Trebble), Josef Withalm (Alto), Richard Tomek (Tenor), Franz Schramm (Bass). Omnes de Saba venient (Eybler). Mass in C (Beethoven).
9.10—News; Programmes.
9.20—Talk: Popular Education.
9.30—“Song Hits of Grandmother's Day” (Records).
9.55—News.
10.0-10.30—Old and New Dance Records.

WARSAW (Poland)
 224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday. Transmits at intervals from 5.15 a.m.
4.15 p.m.—Lessmann (Violin). Suite (Raff). Introduction and Tarantella (Sarasate). Caprice mobile (Lessmann).
4.50—Sports Notes.
5.10—Letter-Box; Programmes.
5.35—For Country Children.
6.0 (from Lwow)—J. Lam Centenary—Literature and Music.
6.30—Ada Hecht (Songs). Arias, “Louise” (Charpentier) and “The Pearl Fishers” (Bizet). L'invitation au voyage (Duparc). Extase (Duparc).
6.50—Topical Talk.
7.0 (from Lwow)—Seredynski Orchestra, Sabat-Swirska (Songs), Gabel (Pfte.), at 7.45—News; Topical Talk.
8.45—Talk.
9.0—Warsaw String Quartet, Tatiana Nolicz-Mazurkiewicz (Mezzo-Soprano), Rosenbaum (Pfte.). Mezzo-Soprano and Quartet: Il tramonto (Respighi) to Shelley Text. Pfte. Quintet in F minor (Brahms).
9.50-10.0—News.

FRIDAY Jan. 21

NATIONAL

For Time Signals, see Monday.
 10.15 a.m. (D)—Service.
 10.30 (D)—Weather Forecast.
 10.45—Commonsense in the Sick Room: Talk, 11.0—Records.
 11.35—W. A. Barlow (Organ).
 12.0—Eugene Pini's Tango Orchestra.
 12.30 p.m.—Dance Records of 1937.
 1.15—Lilian Niblette (Pfte.).
 2.0—Walking to Scotland: Kenneth Spence.
 2.20—Harry Engleman's Quintet.
 2.30—BBC Northern Ireland Orchestra: Adelaide Beattie (Soprano).
 4.0—Records: Broadway Rhythm.
 4.30—Variety.
 5.0—The Westminster Players.
 5.40—Francis Russell (Tenor).
 6.0—The First News.
 6.25—George Formby in "A Lancashire Lad in London."
 6.40—Cinema Organ.
 7.0—"Manon" (Massenet).
 9.0—The Third News.
 9.20—"Italy": Sir Charles Petrie.
 9.40—Boxing in Bermondsey.
 10.0—Songs from recent radio musical productions, with Janet Lind, Gerry Fitzgerald, and Vivien Lambale.
 10.40—Alkan: Egon Petri (Pfte.).
 11.30-12.0—Recent Dance Records.

REGIONAL

For Time Signals, see Monday.
 10.15-10.45 a.m. (ex. Western)—National, 10.45—Cinema Organ.
 10.45 (Western)—National.
 11.15 (ex. Western)—Bobby Howell and his Orchestra.
 12.0 (ex. Western)—Pfte. music.
 12.30 p.m. (ex. Western)—Theatre Orchestra, 1.15—Records.
 1.30 (ex. Western)—Reginald Foort (BBC Theatre Organ).
 2.0 (ex. Western)—BBC Empire Orchestra: Edward Isaacs (Pfte.).
 3.0 (ex. Western)—Light Orchestra.
 3.30 (ex. Western)—"Paris": Robert Segar.
 3.45 (ex. Western)—BBC Midland Orchestra conducted by Leslie Heward: Eric Hope (Pfte.).
 5.0 (ex. Western)—Children's Hour.
 5.0 (Western)—National.
 6.0 (Regional, Western, N. Ireland)—BBC Orchestra (Section D): Joan Cross (Soprano).
 6.0 (Midland)—R. J. Forbes (Pfte.); BBC Northern Orchestra.
 6.0 (Northern)—R. J. Forbes (Pfte.); BBC Northern Orchestra.
 6.0 (Welsh)—BBC Welsh Orchestra: Ronald Hill (Tenor).
 6.0 (Scottish)—Richmond Mackinnon (Accordion).
 6.10 (Scottish)—"Next Week You'll Hear."
 6.20 (Scottish)—"Saturday Sport."
 6.30 (Scottish)—Silver Band.
 6.40 (Midland)—For Farmers.
 6.40 (Northern)—Gardening talk.
 7.0—The Second News.
 7.20—Regional Announcements.
 7.30 (Regional, Northern)—Dance and Duet.
 7.30 (Midland)—Tom Jones (Violin).
 7.30 (Western)—For Gardeners.
 7.30 (Welsh)—Welsh talk.
 7.30 (N. Ireland)—Ulster Fisheries.
 7.30 (Scottish)—Scotts Songs.
 8.0 (ex. Midland)—Sydney Kyte and his Dance Band.
 8.0 (Midland)—Billy Merrin and his Commanders.
 8.40 (ex. Welsh, Scottish)—"Is That The Law?"
 8.40 (Welsh)—Records of Elgar's music.
 8.40 (Scottish)—"Crony O' Mine": a Scots comedy by Andrew P. Wilson.
 9.0 (ex. Welsh, Scottish)—"Meet the Family": a Farce with Music by the Melluish Brothers.
 9.0 (Welsh)—Songs.
 9.40 (Regional, N. Ireland)—John Morel (Baritone).
 9.40 (Midland)—"The Changing Midlands."
 9.40 (Northern)—Hymns of Devotion.
 9.40 (Western)—Revue.
 9.40 (Welsh)—"Ar Nos Wener."
 10.0—News Summary.
 10.25 (ex. Western)—Jack Harris and his Band.
 11.30 (ex. Western, Scottish)—Records.
 11.30 (Scottish)—The Glasgow Students.
 12.50-12.0 (ex. Western)—Late News Summary.

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 100 kW. Dublin, etc. See Sunday.
 1.30 p.m.—Records.
 2.30-3.0—For Schools.
 5.30—"Maritana" (Wallace) (Recorded).
 6.20—Talk for Women by Bernadette Plunkett. Request Recipes.
 6.35—Irish News Feature.
 6.45—News.
 7.0—Ulster Programme presented by Treasa Nic Aodhain.
 7.30—Recent Books reviewed by Dr. Dudley Edwards.
 7.45—Haydn Concert by the Irish Radio Orchestra and Jean Nolan (Soprano). Symphony Songs.
 8.30—"The Last Movement"—Mozart Play (George Brady).
 9.0—Ceilidhe Music by the Round Tower Ceilidhe Band.
 9.30—Variety Programme.
 10.30—News; National Anthem.

BARCELONA (EAJ1)

(Spain)
 795 kc/s (377.4 m.); 7.5 kW. Transmits at intervals from 8.0 a.m.
 9.0 p.m.—News; Topical; Records.
 11.0—Topical Talk.
 11.15-12.0 m't.—News in Foreign Languages.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 5.0 a.m.
 11.0 a.m.-1.0 p.m.—See Stuttgart; at 12.0 noon-12.15 p.m.—Midday Echoes.
 1.0—News.
 1.15—Glahe Band.
 2.15—Exchange; Markets.
 2.35-3.0—Records.
 3.30—Sports Notes.
 4.0—Mozart Records.
 4.30—"Young Love"—Programme by Georg Eilert and Franz Hoefert (Speakers), and a Hitler Youth Choir.
 5.0—Records: Light Music.
 6.0—News.
 6.10—Kreppla Sextet.
 6.45—Evening Echoes.
 7.0—Station Orchestra. Conductor: Kahler (Recorded).
 8.0—Military Band.
 9.0—News.
 9.30-11.0—Fierke Band. Overture, The Caliph of Bagdad (Boieldieu). Wiener Bonbons (Joh. Strauss). Slav Dance (Dvorak). Selection, "Die lockende Flamme" (Kunneke). Im Reiche Buddhas (Lautenschlager). Das Lied der Quelle (Amadei). Rendezvous bei Lehar (Lehar-Hrubý). Sei gepriesen, du lauschige Nacht (Ziehrer). Serenade der Anmut (Ortleb). Liebeserzählung (Glan). Die kleinste Truppe (Hans Lohr).

BEROMÜNSTER

(Switzerland)
 556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.).
 5.30-5.50 a.m.—Gym.
 11.0—Operetta Records.
 11.29—Time; News; Exchange.
 11.40 a.m.-12.45 p.m.—New Film Records.
 3.0—Records.
 4.0—Scandinavian and Russian Music—Radio Orchestra. Conductor: Bernhard.
 5.0—Weather; Records.
 5.30—For Children.
 5.35—Talk: The SUVA Organisation.
 6.0—Markets.
 6.15—Suite for Two Clarinets, Bassoon, Trumpet and Pfte. (Schmid-Garre).
 6.30—Weekly Review.
 6.45—News.
 6.55—Talk: Animals.
 7.20—Songs with String Quartet—Lina Falk (Contralto) and the Zurbrugg Quartet.
 7.50—"Langusten für das Volk"—Play (Ackermann).
 8.55—Radio Orchestra. Conductor: Bernhard.
 9.25-9.30—News; Programmes.

BRATISLAVA

(Czechoslovakia)
 1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 5.15 a.m.
 5.0 p.m.—Hungarian Transmission: Topical; Lecture; Talk.

5.45-6.30—See Prague.
 6.30—Station Orchestra. Guest Conductor: Foprecht. Overture, "The Tinker" (Skroup). At Twilight (Fibich). Scherzo (Smetana). Rondo for Strings (Bella). Overture (Bella).
 7.20—"Village Gossips"—Czech Play (Sabina).
 8.30—Pfte. Trio in D minor (Arensky) by the Bratislava Trio.
 8.55-10.5—See Prague; at 9.20—News (Hungarian).

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz and Görlitz, 1,231 kc/s (243.7 m.). Transmits at intervals from 4.30 a.m.
 11.0 a.m.—Military Band; at 12.0 noon-12.15 p.m.—News.
 1.0-2.0—News; Exchange: Records.
 3.0—Orchestra, Songs, etc.; at 4.0-4.10—Reading.
 5.0—Talk.
 5.15—A Tramway-Worker's Day—Report.
 5.50—Programmes; For Housewives.
 6.0—News.
 6.10—"Es geht um Gut und Ehre"—Sequence about Political Songs of Four Centuries (Polloczek-Fritsche).
 7.25—"In the Dance Hall"—Sequence (Rabe), by the Choir and Station Ensemble, with Commentary.
 8.0—Motto.
 8.10—Talk: Soviet Russia.
 8.20—"Fireside Reveries"—Sequence (Gottschalk), with Elisabeth Sprung (Soprano) and Hatwig (Pfte.).
 9.0—News.
 9.15—Report: Breslau Ski-ing Championship.
 9.30-10.30—See Munich.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.15 a.m.
 4.40 p.m.—German Transmission: Sports Notes; Talk; German Lesson.
 5.15—News; For Workers.
 5.30—Records; Sports; Snow Report.
 5.45-6.30—See Prague.
 6.30—See Bratislava.
 7.20-10.5—See Prague.



M. Franz André, conductor of Brussels No. 1's concert of Belgian music at 8 p.m.

BRUSSELS (No. 1)

(Belgium)
 620 kc/s (483.9 m.); 15 kW.
 6.30-9.2 a.m.—Records; Gym; News.
 12.0 noon—Records.
 12.30 p.m.—Weather; Shipping.
 12.35—Salon Orchestra. Conductor: Féron. Betty d'Astry (Songs). Collin (Clarinet).
 1.0—News.
 1.10—Brenders Dance Band.
 1.30—"Le Moment Montmartrois"—by Betty Paraud-Berger.
 1.40—Records of Georges Thill, Galli Curci, Caruso, and Ninon Vallin.
 2.0—Art Notes.
 4.55—News; Deridoux (Accordion).
 5.20—Jean Françaix Records with Commentary.
 5.40—Suite (Bach) by Bauwens (Cello).
 6.0—Theatre and Cinema—Suzanne Daneau and André Mertens at the Microphone.

BRUSSELS (No. 2)

(Belgium)
 932 kc/s (321.9 m.); 15 kW. Programme in Flemish.
 6.30-9.5 a.m.—Records; Gym; News.
 12.0 noon—Records: Russian Chœurs.
 12.31 p.m.—Radio Orchestra. Conductor: Douliez; at 1.0-1.10—News; Shipping.
 1.30—Records: Film Music.
 2.0-3.15—For Schools.
 4.55—News.
 5.0—Salon Orchestra. Conductor: Féron. Madeleine De Beurme (Songs).
 6.0—Mlle Papaianou (Pfte.). Sonata in D (Galuppi). Fantasia in C (C. Ph. E. Bach). Rondo in C minor (C. Ph. E. Bach).
 6.15—Talk: South-African Literature.
 6.30—Valse nobles et sentimentales (Ravel) by Mlle Papaianou (Pfte.).
 7.0—Peruvian Folk Songs by Paula De Backer.
 7.30—News.
 8.0—Radio Orchestra. Conductor: Douliez. Delcroix (Saxophone). Overture, "Der Wafenschmied" (Lortzing). Saxophone: American Dance (Lonque). Suite, Humoresque (Albert). Hungarian Peasant March (Grieg). Intermezzo (Candael). Joie (Verhoeyen).
 8.45—"The Power of Darkness"—Play (Tolstoy, trans. Coole).
 9.35—Orchestra (contd.). Suite, Woodland Sketches (MacDowell). Rhapsody on Folk Themes (Gaubert).
 10.0—News.
 10.10-11.0—Old Music of the Netherlands—Society for Old Music. Conductor: Collaer. I.N.R. Choir. Conductor: Grae. Jean De Middelcer (Organ). Fanfare du Roy for Wind Instruments (des Prés). Motet: O bone Jesu (de Monte). Motet: Ave Maria (des Prés). Organ: Ricercar (Luyton). Motet: O altitudo divitiarum (de Rore). Regina (O. di Lassus). Rondo and Saltarello (Susat). Songs O. di Lassus: (a) Ores que je suis dispos, (b) Verse moi donc du vin nouveau, (c) Bonjour, bonjour, (d) Mais si vous cueillez. Organ: Caprice (De Macque). Fantasia for Trumpet and Organ (De Macque).

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania, 160 kc/s (1,875 m.). Transmits at intervals from 4.30 a.m.
 4.2 p.m.—Tandin Orchestra.
 5.0—Art Notes.
 5.15—Tandin Orchestra.
 5.45—Educational.
 6.35—From the Opera. In the intervals, Poems, News, Sports Notes.
 9.15—Records: Light Music.
 9.45—News (French, German).

BUDAPEST (No. 1)

(Hungary)
 546 kc/s (549.5 m.); 120 kW. Transmits at intervals from 5.45 a.m.
 11.5 a.m.—Records.
 12.30 p.m.—Symphony Orchestra.
 1.40—News.
 3.15—For Schools.
 4.0—Report from the Komló Colliery.

5.0—Flóris Lakatos Cigány Band.
 5.50—Reading.
 6.30—Tannhäuser (Wagner) from the State Opera.
 10.0—News in English.
 10.10—Military Band. Conductor: Seregi. Overture, "Pique Dame" (Suppe). Waltz, Sunshine (Seregi). Excerpts, "Tales of Hoffmann" (Offenbach). Selection, "The Circus Princess" (Kálmán). Ballet Scene (Náray). Hungarian Fantasia (Pécsi). March (Franz).
 11.5—News.

BUDAPEST (No. 2)

(Hungary)
 359.5 kc/s (834.5 m.); 18 kW.
 5.25 p.m.—Shorthand Lesson.
 5.55—Lakatos Cigány Band.
 7.0—News; Station Band.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 5.0 a.m.
 11.0 a.m.—Orchestra and Military Band.
 12.0 noon—News; Greetings.
 12.15 p.m.—See Stuttgart.
 1.0—News.
 1.15-2.0—See Berlin.
 2.30—Reading (Klucke); Markets.
 3.0—Orchestra and Schrammel Quartet, Soprano and Baritone; at 4.0—Book Review.
 5.0—Schumann and Chopin Music by Müller-Chappuis (Pfte.). Part I, Schumann. Romance in F sharp. Three Pieces from Waldszenen. Part II, Chopin. Polish Song. Preludes, Impromptu, Barcarolle.
 5.35—Visit to a Duisburg Unemployment Camp.
 5.45—See Munich.
 6.0—News.
 6.10—Light Classics. Orchestra. Conductor: Fritz Glahe. Leiseifer (Tenor). Rudi Rhein (Violin).
 7.15—Thirty Million Germans—Sequence about Germans abroad.
 8.0—Ten Minutes.
 8.10—Station Sextet and the "Harmonie" Mandoline Band. Minuet (Sgambati). Träumerei (Schumann). Miniature Suite (Winnig). Scheintanz (Schebek). Abend in Sevilla (Niemann). Old Flemish Minuet (Bullerian). Dance Suite (Sor). Serenade (Haydn).
 9.0—News.
 9.20—See Munich.
 9.30-11.0—See Berlin.

DEUTSCHLANDSENDER

(Germany)
 191 kc/s (1,571 m.); 60 kW. Transmits at intervals from 5.0 a.m.
 11.0 a.m.-12.50 p.m.—See Hamburg; at 12.0 noon-12.15 p.m.—Greetings.
 12.50—News.
 1.0—Variety with Herbert Jäger and Records.
 2.0—Weather; Exchange; Markets.
 2.15—Children's Choir.
 2.40—Play for Girls.
 3.0—Station Orchestra; at 4.0-4.10—Topical.
 5.0—Talk: The West Indies.
 5.20—Sonata in D (Beethoven), by Edith von Voigtländer (Violin) and Hans Beltz (Pfte.).
 5.40—"Our Morning Paper"—Radio Reports.
 6.0—Motto; News.
 6.10—"Schussfahrt ins Tal"—Radio Fantasia (Kuhnert), with Music by Elbern.
 7.0—Stéputat and Co.—Comedy (Lange).
 8.0—Report from St. Mortiz; Women's Figure-Skating Championships.
 8.15—Records.
 8.40—Oskar Sala (Trautonium).
 9.0—News.
 9.20—International Winter Sports Week—Reports on the German Ice-Hockey Championship at Garmisch-Partenkirchen.
 9.45—Weather.
 10.0-11.0—Busch Dance Band.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Cassel, etc. See Sunday. Transmits at intervals from 5.0 a.m.
 11.0 a.m.—See Stuttgart; at 12.0 noon—Time; News.
 1.0 p.m.—Time; News; Records.
 2.0—Talk; Markets.
 2.15—For Mothers; Talks.
 3.0—Orchestra.
 5.0—Topical Talks.
 6.0—Time; News.
 6.10—Light and Dance Music—Station Orchestra. Conductor: Hauck (Saxophone). Bund Pfte. Duo, Hedi Kuhn (Soprano) and Reinecke (Tenor).

FRIDAY (January 21)

8.0—"Germany's Place in the Sun"—Sequence (da Venza-Tillmanns).
9.0—Time; News.
9.20—See Munich.
9.30—Records: Light and Dance Music.
11.0-12.0 m't.—See Stuttgart.

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW. Bremen, etc. See Sunday. Transmits at intervals from 5.10 a.m.
11.0 a.m. (from Bremen)—Wind Band and "Bremen Stadtmusikanten."
1.0 p.m.—News; Music.
2.0—Shipping; Markets.
2.25—Richard Strauss Songs by Stadelmann (Bass-Baritone).
2.50—Ice Report.
3.0—Light Music—Station Orchestra. Conductor: Seeker. Station Dance Band. Conductor: Jan Hoffmann. Women's Trio. In the intervals, Talks.
5.0—For Children.
5.10—Metrone (Violin). Aria (Pergolesi-Petroni). Minuet (Haydn-Petroni). Sonata in G minor (Debussy). Waltz and Hungarian Dance (Brahms).
5.40—Talk: The Farmer and Food.
5.50—Weather; Shipping.
6.0—News.
6.10—Songs and Music by Children.
7.0—Scenes from Classical Literature by Käte Gold, Friedrich Kaysler and Hansgeorg Laubenthal.
7.50—Orchestra from the "Deutsches Haus," Flensburg. Conductor: Heinz Schubert. Overture, "Jessonda" (Spohr). Excerpt, "Lohengrin" (Wagner). Selection, "Manon Lescaut" (Puccini). Overture, "Francesca" (Goetz). Suite from "Der Freikorporeal" (Vollerthun). Prelude, Act III, "Der Pfeifertag" (v. Schillings). Intermezzo (v. Schillings). Prelude, "Sicilian Vespers" (Verdi).
9.0—News.
9.20—See Munich.
9.30-11.0—See Berlin.

HILVERSUM (No. 1)

(Holland)
160 kc/s (1,875 m.); 10 kW until 2.40 p.m.; 150 kW from 2.40 p.m. Also on Lopikerkapel, 722 kc/s (415.4 m.); 17 kW. See page 20.
7.40 a.m.—VARA Programme: Records.
9.40—VPRO Service.
10.0-11.40—VARA Programme.
10.0—Recitations.
10.20—de Lange-Kooyman (Pfte.) and Records.
10.50—Recitations.
11.10—Jong (Organ).
11.40 a.m.—3.40 p.m.—AVRO Programme.
11.40—Time; Records.
12.10 p.m.—Jonny Kroon Orchestra.
1.40—Gardening Talk.
2.10—AVRO Dance Band and Mossel (Accordion).
3.40-7.10—VARA Programme.
3.40—Records.
4.40—For Children.
5.40—Records.
5.40—Amateurs.
6.10—Political Review.
6.30—Jong (Hammond Organ).
6.40—Talk; Records; Announcements.
7.10-8.40—VPRO Programme.
7.10—Announcements; Talk.
7.40—v. d. Vegt (Violin).
8.10—Talk.
8.40-10.20—VARA Programme.
8.40—Records.
9.10—Play with Music.
9.40—Concert by "Fantasia."
10.10—News.
10.20—VPRO Service.
10.40-11.40—VARA Programme.
10.40—Time de Lorme (Soprano).
11.10-11.40—Records.

HILVERSUM (No. 2)

(Holland)
995 kc/s (301.5 m.); 15 kW. until 6.10 p.m.; 60 kW from 6.10 p.m.
KRO Programme.
7.40-8.55 a.m.—Records.
9.40—Records.
11.10—Religious Address; Announcements.
11.55—KRO Melodists. Conductor: Lustenhouwer. Klein Jr. (Refrains); at 12.40 p.m.—Records: 1.40-2.40—Haak (Organ).
2.45—Records.
2.55—KRO Melodists. Conductor: Lustenhouwer. Klein Jr. (Refrains).
3.40—Records.
4.55—KRO Orchestra. Conductor: Reinards; at 5.40—Talk.

6.40—Announcements; Talk; Report; News.
7.55—KRO Orchestra. Conductor: Reinards.
8.40—Béla Kiss Cigány Band.
9.5—Royal Military Band. Conductor: Captain Boer; at 9.40—Records.
10.10—News.
10.20—KRO Boys. Conductor: Lustenhouwer. Klein Jr. (Refrains); at 10.40-10.50—Records.
11.10-11.40—Records.

KALUNDBORG (Denmark)

240 kc/s (1,250 m.); 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.).
Transmits at intervals from 6.0 a.m.
11.0 a.m.—1.0 p.m.—Julien Band.
1.30—Preil's Ensemble; at 2.15—For Women.
3.30—For Children.
3.50—Announcements.
4.0—Talk.
4.25—Weather; Exchange; Markets.
4.50—Records.
5.15—Reading (Feilberg).
5.35—German Lessons.
6.0—News.
6.30—Answers to Religious Queries by Bishop Rosendal.
7.0—Weekly Review by Per Knudzon.
7.10—Weyse Trios by Edel Andersen and Elisabeth Fogh (Sopranos) and Ewith Schmidt (Contralto).
7.20—Eftermaele—Play (Branner).
8.40—Excerpts from the Film; "Der var engang en Vicevaert."
8.55—News; Weather.
9.15—Reading (Hakon Holm).
9.35—Mortensen (Saxophone), Viktor Fischer (Pfte.), Kai Allen (Songs).
10.15-11.30—Preil's Dance Band; at 11.0—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.
11.0 a.m.—1.0 p.m.—See Stuttgart.
1.0 p.m.—News; Music.
1.55-2.0—Exchange.
2.30—Guessing Competition.
2.50—Talk.
3.10—Orchestra, Violin.
4.50—Ice Report; Sports.
5.15—"Childless Couple preferred"—Three Scenes, with Songs.
5.50—Announcements.
6.0—News; Road Report.
6.10—"A-Hunting we will go!"—Station Orchestra. Conductor: Wöllner.
8.0—Topical.
8.15—Kniestadt (Violin), Winkler (Pfte.).
9.0—Reading.
9.20—News; Road Report.
9.40-11.0—Dance Music—Peter Arco and the Börschel Band.

LEIPZIG (Germany)

785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.).
Transmits at intervals from 5.0 a.m.
11.0 a.m.—Band from Madgeburg.
12.0 noon—Time; News.
12.15 p.m.—See Stuttgart.
1.0—News; Exchange; Records.
2.5—Children's Rhymes.
2.30—"The Nuremberg Funnel"—Humorous Programme by Girls and Boys.
3.0—Orchestra from Halle; at 4.0-4.10—Time; Weather; Markets.
5.0—Book Report.
5.20 (from Dresden)—Baum (Violin), Zenker (Cello) and Klinger (Pfte.). Arabesques (v. Franckenstein). Scherzo (Arensky). Allegro moderato from the Trio in E flat (Schubert).
5.50—Evening Review.
6.0—News; Records.
7.40—"Des Knaben Wunderhorn"—Scenes, Readings, Ballads and Songs (Eich) with Old German Music.
9.0—News; Nazi Literature.
9.35-11.0—Fricke Dance Band.

LILLE (Radio PTT Nord)

(France)
1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.30 a.m.
7.30 p.m.—News.
8.0—Orchestra and Ariane Herbin (Songs).
8.30—Station Orchestra. Conductor: Soret. Marcelle Herison (Cello), Rosine Maréchal (Soprano), Georges Lefebvre (Tenor). Overture, "Benvenuto Cellini" (Berlioz). "Cello: Elegy (Fauré). Fourth Movement from the Sixth Symphony (Tchaikovsky). Two Breton Songs (Rhené-Baton). Two Songs from Die schöne

Müllerin (Schubert). Symphony in D (Mozart). Four Sketches (Gaubert). Songs. La Jeunesse d'Hercule (Saint-Saëns). Three Preludes (Chopin). Habanera (Chabrier). In the Twilight (Moszkowsky). Prelude to Act III, "Maïa" (Leoncavallo). Overture, "Jean de Paris" (Boieldieu). After the Programme, News.

LISBON (Portugal)

629 kc/s (476.9 m.); 15 kW. Transmits at intervals from 12.0 noon
5.20 p.m.—Tea Concert.
6.20—Military Notes; Records.
6.50—News; Portuguese Music.
7.20—Quintet.
7.50—News; Spanish Notes.
8.15—An Opera; at 9.5—Religious Address.
10.10—Popular Orchestra; at 10.30—News.
11.30-12.0 m't.—News; Dancing.

MARSEILLES (PTT)

(France)
749 kc/s (400.5 m.); 100 kW. Transmits at intervals from 6.30 a.m.
8.30 p.m.—Tomasi Concert—Station Orchestra. Conductor: The Composer. Lucile Telly (Mezzo-Soprano). Symphonic Excerpts, "Colomba." Pieces, "Don Juan de Mañara." Songs: (a) Chants laotiens, (b) La chanson des sables. Brazilian Dances. Ballet Suite, "La Grisi." After the Concert, News; Records.

MONTE CENERI

(Switzerland)
1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 11.0 a.m.
6.14 p.m.—News; Talk; Records.
6.50—News.
7.0-9.0—Provincial Programme.

MOSCOW (No. 1) (Russia)

172 kc/s (1,744 m.); 500 kW.
4.30 p.m.—Concert.
5.0—Literary Programme.
5.30—Concerts.
8.30—News; Kremlin Chimes.
9.0—Programme in English.
10.0—Programme in French.
11.0-12.0 m't.—Programme in Spanish.

MUNICH (Germany)

740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.).
Transmits at intervals from 5.0 a.m.
11.0 a.m.—Station Orchestra.
12.0 noon—News; Topical.
12.15 p.m.—Records.
1.0—News; Exchange.
1.15—See Berlin.
2.0-2.15—Talk.
2.40—"Der Pfeifer Liendl"—Fairy Tale with Music.
3.0—Gertraud Walden-Uhl (Contralto), Stuhlfauth (Violin) and Schoedel (Organ).
3.40—Talk.
4.0—Time; Weather; Markets.
4.10 (from Nürnberg)—Humour and Parody. Part I: "Der Musikfeind" (Genée). Part II: Comedies (Delgah): (a) The Camel, (b) The Fir-conc. Music by the Station Orchestra.
5.45—Reports from Garmisch-Partenkirchen and Oberstaufen: (a) The German Ice-Hockey Championship, (b) The Bavarian Skiing Championship.
6.0—Time; News.
6.10—The Magic of Instruments—Station Orchestra. Conductor: Winter. Erna Lorenz (Pfte.), Stuhlfauth (Violin), Seiler (Viola), Schultz (Oboe) and Zimolung (Horn). Overture, "Suzanna's Secret" (Wolf-Ferrari). Two Pieces for Oboe and Orchestra (Lafone). Horn Concerto (Blume). Ballad and Polonaise (Vieuxtemps). Scherzo (Eck). Symphonic Variations (Frankk). Viola Concerto (v. Dietersdorf). Kamarinskaya (Glinka).
8.0—Winter Relief Concert.
9.0—Time; News.
9.20—Report from Garmisch-Partenkirchen: The German Ice-Hockey Championship.
9.30-11.0—Erno Kaisz and Soloists.

NAPLES GROUP (Italy)

Naples 1,104 kc/s (271.7 m.); 10 kW. Florence (No. 1), etc. See Sunday.
6.0 p.m.—Light Music and Songs.
6.15—Topical; Records.
7.0—News.
7.20—Government Notes.
7.30—"Il Passatore"—Three-Act Play (Zorzi).
9.0 (approx.)—Dance Music.
10.0—News.
10.15-10.55—Dance Music.

OSLO (Norway)

260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday. Transmits at intervals from 9.30 a.m.
4.5 p.m.—Bergen Radio Orchestra.
4.55—French Lesson.
5.20—Eugenia Triguez (Songs). Pastoral (Buntun-Rizzelli). Ah, non credea (Bellini). Songs (Ravel): (a) Nicolette, (b) La flute enchantée, (c) Tout gai. L'uccellino (Puccini). Impressions (Sibeña). Ninna Nanna (Sadero).
5.45—News; Press Review.
6.15—For Farmers.
6.30—A Play.
8.40—News; Topical Talk.
9.15-9.45—Contemporary Pfte. Music.

PARIS (Eiffel Tower)

(France)
1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 6.30 a.m.
7.0 p.m.—Mme Mathonet de Saint-Georges (Pfte.) and Buguet (Songs).
7.30—News; Time.
8.0—Brigitte Manceaux and Annette Haas (Pfte.). Sonatina in D minor (Beethoven). Mother Goose Suite (Ravel). Pieces (F. Schmitt): (a) Valse sentimentale, (b) Douceur du soir, (c) Compliments. Andante (Stravinsky). Gallop (Stravinsky).
8.30—Chamber Music—Ina Marika (Pfte.), Janine Andrade (Violin), Geneviève Martinet (Cello) and Lise Daniels (Songs). Pfte.: Preludes and Fugues (Bach). Lieder (Mozart). Pfte.: Scherzo (Wolff). Songs: Humoresques (Beydts). Trio (Martelli).
9.30—Variety. Part I: Legendary Figures—Songs and Music—Mlle Cottavoz, Lucien Lovano and Jean Sorbier. Part II: "The Sleeping Beauty"—Play after Perrault, by the Station Dramatic Company.
10.30—Records.
11.0-11.15—News.

PARIS (Poste Parisien)

(France)
959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m.
12.0 noon—Exchange; Records.
12.25 p.m.—News; Exchange.
12.39—Records.
1.15—Amusements; Records.
2.0—Exchange; News.
3.45 and 4.35—Exchange.
5.0—News; Cabaret.
6.0—Exchange; News.
6.10—Talk.
6.13—Records: Violin Concerto in E (Bach).
6.53—Talk; Racing.
7.0—Topical; Sports; Amusements.
7.13—Anniversaries.
7.20—"Special Edition" (Diamant-Berger).
7.45—Claude Dauphin and Babilas.
7.50—Three Yvonne Printemps Successes.
8.0—Topical.
8.10—"Islands"—Records.
8.25—"Si je gagnais les trois millions," with Fréhel and the Zepilli Ensemble.
8.40—"La bonne histoire."
9.0-12.0 m't.—To be announced.

PARIS (PTT) (France)

695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.30 a.m.
4.0 p.m.—Lucienne Astruc (Songs).
4.15—Reading (Sjendhal).
4.30—Singing Lesson.
5.0—Derveaux Orchestra. Overture, "Giralda" (Adam). Amoretten-tänze (Gungl). Ballet, "Gismonda" (Février). La vieille boîte à musique (de Séverac). Miniature Suite (Coates). Serenade (Mozart). Selection, "Coppélia" (Delibes). Marche nuptiale d'une poupée (Lecocq).
6.0—Educational.
6.30—Gisèle Kuhn (Pfte.). Pastorale with Variations (Mozart). Barcarolle (Pierne). Valse romantique (de Séverac). Jeux d'eau (Ravel).
6.45—Marie Simon (Songs).
7.0—News; Topical.
8.0—Music Talk: Hugo Wolf.
8.30—Orchestra. Conductor: Clergue. Germaine Corney (Songs). Overture, "Anacréon" (Schubert). German Dances (Schubert). The Nursery (Musorgsky). Valses romantiques (Chabrier). Etude (Vaubourgoin). Symphonie légendaire (Godard). Suite pour mes petits amis (Pierne). Slav Dances (Dvořák).

OSLO (Norway)

10.30—News.
10.45—Records. Waltz, Tout à vous (Chaumette). Foxtrot, Lettre d'adieu (Cazeaux-Realé). Mon coeur est tombé (Gabar-oché).

PARIS (Radio-Paris)

(France)
182 kc/s (1,648 m.); 80 kW.
6.28 a.m.—Programmes; Records.
6.40—Time; News; Gym; Records.
7.15—News; Records.
8.0—News; Press Review.
8.30-9.20—Programmes; Records.
10.15—Programmes; Records.
10.30—Music at the Court of Versailles—Records.
10.45—Reading (Derennes); Records.
11.15—Plays (Groffe) with Music by Zimmermann: (a) Acts I and II, "Cadet Roussel," (b) Acts I and II, "Le Père Lusturcu."
11.30—Henri Christiné Records.
11.45—Markets.
12.0 noon—Adison Orchestra and Sketches.
1.0 p.m.—Time; News.
1.15—Exchange.
1.30—Marie-Thérèse Gauley (Songs).
1.45—Orchestra, etc. (contd.).
2.0—Programme Notes.
2.5—Talk: Châteaubriand.
2.15—Talk; Review.
2.30—Exchange; Records.
3.15—Talks.
3.45—Exchange.
4.0—René Discao (Songs).
4.15—Literary Talk.
4.30—English Lesson.
4.50—Exchange; Markets.
5.0—Chamber Music—Lener Quartet.
6.0—Educational.
6.30—For Women.
6.55—Film Review.
6.58—Programme Notes; Educational.
7.30—Talk: Books and the French Colonies.
7.45—Talk.
7.59—Time; Political Review.
8.8—Home Affairs.
8.15—Mona Péchenart (Songs). Cantilène (Godard). Aria, "Eugénie Marcel" (Saint-Saëns). Three Gipsy Songs (Dvořák).
8.30—"La Dolores"—Three-Act Play (José Féliu y Codina, trans. Michel and Baud). Introductory Talk by Michel; at 9.30 (approx.)—News; For Ex-Servicemen.
10.30—Records: Light Music.
10.45—Time; News.
11.0—Orchestra. Conductor: Rhené-Baton. Boulmé ("Cello). Symphony (Chausson). Cello and Orchestra: Rhapsody (Brousse). Bolero (Ravel).
12.30 a.m. (Saturday)—Programme Notes.

PRAGUE (Czechoslovakia)

638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.15 a.m.
5.10 p.m.—German Transmission: Talk; Discussion between a Musician and a Sculptor; For Workers.
5.45—News and Art Review in German.
6.0—Time; News; Talk.
6.30—See Bratislava.
7.20—"Napoleon," or "The Hundred Days"—Tragedy (Grabbe, trans. Kares), with Music by Ponc.
8.55—Record.
9.0—Time; News; Records.
9.35-10.5—For Sokols.

RADIO-NORMANDIE

(France)
1,113 kc/s (269.5 m.); 15 kW.
6.45 a.m.—Military Band.
7.0—Records.
7.15—News; Press Review.
7.45—Physical Exercises.
8.0—Music in the Morning.
8.15—Light Music.
8.30—Popular Music.
8.45—Dance Music.
9.0—Orchestra.
9.15—Light Music.
9.30—Radio Favourites.
9.45—Popular Music.
10.0—Variety.
10.15—Waltzes.
10.30—Film and Musical Comedy Music.
10.45—Cartoon Characters.
11.0—Screen Stars' Songs.
11.15—Light Music.
11.30—Orchestra.
12.0 noon—Concert; at 12.45 p.m.—News.
2.0—Fred Hartley Sextet.
2.15—Sports; Popular Music.
2.45—At the Fair—Music.

FRIDAY (January 21)

3.0—The Magic Carpet. 3.30—Jane and John. 3.45—In Search of Melody. 4.0—What's on in London. 4.15—Dancing Reminiscences. 4.30—Fingers of Harmony. 4.45—Popular Music. 5.15—For Children. 5.30—Variety. 6.0—Children's Corner. 6.45—Talk; News; Racing. 7.0—Bal Champêtre. 7.25—News. 7.45—Jean Clement. 8.0—Orchestra. 8.45—Variety. 9.0—Excerpts, "Pis que j' vous l' dis"—Revue (Néel). 11.0—Café Concert. 11.45—News. 12.0 m't.—Midnight Melodies. 12.30-2.30 a.m. (Saturday)—Dance Music.

RENNES-BRETAGNE (France) 1,040 kc/s (288.5 m.); 120 kW. Transmits at intervals from 6.30 a.m. 6.30 p.m.—Light Music from Nantes—Gaubert (Violin), Lafra (Cello), Annick Fein (Harp) and Mme Brouhouet-Berceau (Pfte.). 7.0—News. 7.30—Concert from Limoges (PTT). 8.0—News; Announcements; Records. 8.10—Talk: Tristan Corbière. 8.30—See Strasbourg. 10.30 (approx.) till Close—See Paris (PTT).

ROME GROUP (Italy) Rome (No. 1) 713 kc/s (420.8 m.); 50 kW. Bari (No. 1), etc. See Sunday. Transmits at intervals from 6.45 a.m. 4.0 p.m.—News. 4.15-4.50—Lecture by the Rev. Fr. Todeschini, from the Institute of Roman Studies. 6.0-6.20—Talk (Dutch). 6.30—Radio Orchestra. Conductor: Filipinini. 7.0—News. 7.20—Government Notes. 7.30—Light Music.

8.0—Popular Concert. Conductor: La Rosa Parodi. Horzowski (Pfte.). Overture, "Gli Orazii ed i Cbriazii" (Cimarosa). Pfte. Concerto in F minor (Chopin). Bravoura Variations on "Carneval de Venise" (Tommasini). Symphonic Poem, La mer (Debussy). Moment Musical (Schubert-Zandonai). Prelude to Act IV, "La Traviata" (Verdi). The Ride of the Valkyries (Wagner). 10.0—News. 10.15-10.50—Dance Music.

SOTTENS (Switzerland) 677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.). 11.30 a.m.-12.45 p.m.—News; Records. 4.0—See Beromünster. 5.0—To be announced. 5.15—League of Nations Report: Sports Notes. 5.40—For Alpinists. 5.50—Parliamentary Review. 6.5—Football Talk. 6.15—Micro-Magazine. 6.50—News; Weather. 7.0—Light Music by the Sesselli Orchestra. 7.25—Financial Review. 7.45—Orchestra (contd.). 8.10—Theatre Reminiscences by Giquel. 8.20—Radio-Geneva Orchestra. Conductor: Karr. 9.0—League of Nations Report. 9.20-9.50—Records: Pfte. Concerto in C (Beethoven) by Gieseking and Orchestra.

STOCKHOLM (Sweden) 704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday. Transmits at intervals from 6.20 a.m. 6.0 p.m.—News; Topical. 6.30—Dobrinđt's Orchestra, from Berlin. 7.15—A Play. 8.30—Film Records. 8.45—Weather; News. 9.0—Foreign Affairs. 9.20-10.0—Old Music by Hedar (Organ) and Märta Palm (Songs) from Lund Cathedral. Mass

(Couperin). Antiphons of Our Lady: (a) Alma redemptoris mater, (b) Ave regina colorum, (c) Regina coeli, (d) Salve regina. Organ Choral, Maria zart von edler Art (Schlick). Two Arias (Bach). Chaconne (Pachelbel).

STRASBOURG (France) 859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m. 5.15 p.m.—Music for Wind Instruments. Oboe: Partita (Telemann). Flute Sonata (Handel). Divertimento for Wind Sextet (Mozart). 6.0—Talks. 6.30—See Rennes-Bretagne. 7.0—News. 7.30—Concert from Limoges (PTT). 8.0—News (German, French). 8.30—News Rennes-Bretagne and Nice-Côte d'Azur—"La forêt bleue" (Aubert), from Paris. National Orchestra and Raugel Choir. Conductor: Rosenthal. Cast: Bernadette Delprat, Maryse Vildy, Mme Turbarabier, Marthe Brega, Marguerite Pitteau, Jobin, Lovano, Rousseau. 10.30—News (French, German). 11.0 till Close—See Paris (Radio-Paris).

STUTT GART (Germany) 574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Orchestra from Saarbrücken. 12.0 noon—Time; News. 12.15 p.m.—Orchestra from Saarbrücken. 1.0-2.0—Records. 3.0—Concert. Part I: Records. Part II: Baden-Baden Symphony Orchestra. 5.0—Music by Hitler Youth. 5.30—Topical Talks. 6.0—News; Topical. 6.15—Instrumental Music—Paul Reich Accordion Duo, Balalaika, etc. 7.15—KdF Variety Concert—Station Orchestras. Conductors: Görlich and Bara. Bands, Folk Music and Accordion Ensembles, Soprano, Tenor, etc. 8.30—"Our Country"—Sequence (Struve) from Heilbronn. 9.0—Time; News.

9.35—Mozart and Contemporaries—Concert from Karlsruhe. Karlsruhe Quartet for Old Music and Schnarr (Flute). Quartet in E flat (Mozart). Pfte.: Four German Dances (Sixt). Flute and Viola Sonata (Kraus). 10.0—Records. 11.0-12.0 m't.—Mozart Records. Organ Fantasia, Pfte. Concerto in D, Eine kleine Nachtmusik.

TOULOUSE (Radio-Toulouse) (France) 913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.0 a.m. 6.0 p.m.—Jazz Band. 6.15—Chansonnettes. 6.40—Film Music. Excerpts, "Folies Bergère" (Stern), "Cinderella" (Scotto), "Un mauvais garçon" (Van Parys), "Montmartre s'amuse" (Boyer), "La tentation" (Bos). 6.55—News; Sports. 7.15—Light Music. 7.45—Excerpts, "Manon" (Massenet). 8.0—Light Music. 8.30—"Ma petite Ville"—Fantasy. 8.45—Light Music. 9.10—Talk. 9.15—Maurice Saint-Paul (Accordion). 10.0—News. 10.15—English Concert. 11.15—Military Band and Soldier Songs. Excerpts, "The Daughter of the Regiment" (Donizetti). Les sapeurs du génie. Marche de la légion étrangère (Quéru). Panpan l'arbi (Dupont). La protestation des chasseurs à pied (Tournier). 11.35—Light Music. 11.50-12.0 m't.—News.

TURIN GROUP (Italy) Turin (No. 1), 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday. Transmits at intervals from 6.45 a.m. 3.0 p.m.—Giorgio Ciompi (Violin) from the Royal Academy of St. Cecilia, Rome. Sonata in D (Vivaldi-Respighi). Prelude and Allegro (Pugnani-Kreisler). Poème (Chausson). Nei boschi di Renon (Prainpe). Recitative and Scherzo—capriccio (Kreisler). Bagatelle in Romanian Folk Style (Scarlatescu). Hungarian Dance

(Brahms-Joachim). Scherzo and Tarantella (Wieniawski). 6.30—See Rome Group. 7.0—News; Government Notes. 7.30—Music. 7.36 Rome (No. 2 only)—News in English. 8.0—Variety. 9.0—Wind Band. 10.0—News. 10.15-10.55—Dance Music.

VIENNA (Austria) 592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday. Transmits at intervals from 5.45 a.m. 2.15 p.m.—Sonata in D minor (Thuille) by Horwitz (Cello) and Gröger (Pfte.). 2.40—Reading. 3.0—News; Exchange; Records. 4.0—For Children. 4.20 (from Innsbruck)—Tyrolese Composers—Josef Eduard Ploner, Steiner (Songs) and Reiss (Pfte.). 5.0—Sports Review; Talk. 5.25—Talk: The Winter Climate of Austria. 5.40—Talk: Ecclesiastical Art. 6.0—Time; News; Topical Talk. 6.25—"Winter Joys"—Station Orchestra. Conductor: Sandauer. Greta Georgi and Leo Illmar (Songs). Wichart (Composé). 7.0—"König Ottokars Glück und Ende"—Tragedy (Grillparzer). 9.10—News. 9.25-10.30—New Music. Vienna Symphony Orchestra. Conductor: Konrath. Excerpts, "Römerzug" (Reidinger). Symphony in G minor (Dawid).

WARSAW (Poland) 224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday. Transmits at intervals from 5.15 a.m. 6.0 p.m. (from Łódź)—"The Pretenders"—Play (Ibsen, trans. Sawicki). 6.40—Records; Music; Talk. 7.0—Warsaw Philharmonic from the Philharmonie. Conductor: Markiewicz. Uninsky (Pfte.). Brandenburg Concerto in F (Bach). Pfte. Concerto in E minor (Chopin). Symphonic Poem, The New Century (Markiewicz). Symphony in F minor (Tchaikovsky); at 8.0—News; Topical Talk. 9.50-10.0—News.

SATURDAY Jan. 22

NATIONAL For Time Signals, see Monday. 2.45 a.m. (D)—Tommy Farr v. James Braddock; running commentary by Bob Bowman. 10.15 (D)—Service. 10.30 (D)—Weather Forecast. 10.45—Talk, 11.0—Records. 11.45—BBC Northern Orchestra. 12.30 p.m.—Song and Dance Records. 1.0—Theatre Orchestra. 2.0—Records. 3.0—Reginald Foort (BBC Theatre Organ); Harry Compton (Bartone); 3.30—Harp Quintet. 4.0—Recital. 4.40—Reading. 5.0—Harry Roy and his Band. 6.0—The First News. 6.30—Saturday talk on Sport. 6.45—The Farr-Braddock Fight. F.A. Cup, Fourth Round. 7.10—The BBC Singers (A). 7.30—In Town Tonight. 8.0—Variety. 9.0—Third News. 9.20—American Commentary. 9.35—Ice Hockey. 10.5—BBC Orchestra. Conducted by Frank Bridge. Kendall Taylor (Pfte.). 11.15—Ambrose and his Orchestra. 11.30—Reginald Foort (BBC Theatre Organ). 11.50-12.0—Late News.

REGIONAL For Time Signals, see Monday. 10.15-10.45 a.m. (ex. Western)—National. 10.45—Cinema Organ. 10.45 (Western)—National. 11.15 (ex. Western)—String Sextet. 11.45—Records. 12.15 p.m. (ex. Western)—Vera Towsey (Pfte.). 12.45—Talk. 1.0 (ex. Western)—Records. 2.0 (ex. Western)—Hungarian Orchestra. 2.40—Talk. 3.0 (ex. Western)—Russian Music. 3.15 (Scottish)—Shinty: Scottish Camanachd Association Cup. 3.25 (Northern)—Football commentary. 4.0 (ex. Western; Scottish 4.10; Northern 4.15)—Jack Jackson and his Band.

5.0 (ex. Western)—Children's Hour. 5.0 (Western)—National. 6.0 (ex. Western, Scottish)—BBC Military Band. 6.0 (Western)—Records. 6.0 (Scottish)—The First News. 6.25 (Scottish)—Sports News. 6.30 (Western)—Football accounts. 6.45 (ex. Welsh, N. Ireland)—British Film Music. 6.45 (Welsh)—Talk. 6.45 (N. Ireland)—Football accounts. 6.55 (Welsh)—Sports Results. 7.10 (N. Ireland)—Records. 7.20—Regional Announcements. 7.30 (Regional, Western)—BBC Orchestra. Conducted by Joseph Lewis: Norbert Wethmar (Violin). 7.30 (Midland)—Sport. 7.30 (Northern)—Cyril Smith (Pfte.); Northern Philharmonic Orchestra, conducted by Heinz Unger. 7.30 (Welsh)—Welsh News. 7.30 (N. Ireland)—Orchestra. 7.30 (Scottish)—Scottish Dances. 7.45 (Welsh)—Chamber Music. 7.50 (Midland)—"Shakespeare Songs." 8.0 (Scottish)—Talk. 8.20 (Midland)—Records. 8.20 (Scottish)—Valse Zigeuner. 8.30 (Regional, Midland, Welsh)—"Richard Savage:" a play by Gwyn Jones. 8.30 (Western)—Music of America. 8.40 (Scottish)—Henri Temianka (Violin); The Scottish Orchestra. 8.45 (Northern)—"Pot Holing." 8.50 (N. Ireland)—Talk. 8.55 (Northern)—Circus. 9.0 (Western)—Excerpt from "Aladdin." 9.5 (N. Ireland)—"A La Carte." 9.35 (ex. Welsh, N. Ireland, Scottish)—Alkan: Egon Petri (Pfte.). 9.35 (Welsh)—Welsh Gipsies. 9.40 (N. Ireland)—Male Choir. 9.45 (Scottish)—"Inside Information." 10.0—News Summary. 10.30 (ex. Western)—Ambrose and his Orchestra. 11.30-12.0—National.

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland) 565 kc/s (531 m.); 100 kW. Dublin, etc. See Sunday. 1.30-3.0 p.m.—Records. 5.30—Famous Intermezzi and Marches by the Irish Radio Orchestra. 6.15—Moss gatherer presents a One-Man Show. 6.35—Irish News Feature. 6.45—News. 7.0—Celtic Concert with Welsh, Breton, Irish, Scottish and Gaelic Songs, compère Donn Piatt. 7.50—Louis Lee's Accordion Band. 8.20—Radio Diary by Eric Boden. 8.50—The Little Show—Tom Madden in Victor Herbert Memories. 9.30—Variety Programme. 10.30—News; National Anthem.

BARCELONA (EAJ1) (Spain) 795 kc/s (377.4 m.); 7.5 kW. Transmits at intervals from 8.0 a.m. 8.0 p.m.—Records. 8.15—Literary Programme. 8.30—News; Records. 9.10—Talk; Records. 11.0—Topical Talk. 11.15-12.0 m't.—News in Foreign Languages.

BERLIN (Germany) 841 kc/s (356.7 m.); 100 kW. 5.0 a.m.—Weather; Gym. 5.30—Schneidewind Band; at 6.0—News. 7.0—Gymnastics. 7.20—Pfte. Music. 7.30—Orchestra from Saarbrücken. 8.30—Records. 9.0—See Hamburg. 9.30-9.45—Weather; Markets. 10.15—Records. 10.40—Talk: Talk by a German Planter from Java. 10.55—Weather; Greetings. 11.0—See Breslau. 12.0 noon—Midday Echoes. 12.15 p.m.—See Breslau. 1.0—News; Water Level. 1.15—Glahe Band. 2.15—Exchange; Markets. 2.30—"It's a Real Cold Winter!"—Songs and Tales. 2.45—Report on the Ice-Yachting in Rangsdorf.

3.0—Bund Band; Woitschach Band; Johannes Herbert Becker; Engel (Xylophone), etc. 5.0—Krepela Sextet. 6.0—News. 6.10—Records: Russian Music. Part I. Glazunov. Serenade and Scherzo from the Mediaeval Suite. Réverie. Valse de concert. Part II. Glinka. Overture, "Ruslan and Ludmila." Kamarinskaya. Wedding Song and Dance Song. 6.45—Evening Echoes. 7.0—"A Night in Venice" (Strauss). Station Orchestra, Conductor: Heinrich Steiner. Cast: Karl Schmitt-Walter, Marcel Wittirsch, Otto Sauter-Sarto, Carl-Heinz Carell, Richard Senius, Luise Tiersch, Margarethe Arndt-Ober, Carla Spletter, Erich Zimmermann, Rosl Seegers, Paul Pruegel. 9.0—News; Sports. 9.20—Report (Recorded): The German Speed-Skating Championships in Garmisch-Partenkirchen. 9.30-12.0 m't.—Berd and Fröhlich Dance Bands.

BEROMÜNSTER (Switzerland) 556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.). 5.30-5.50 a.m.—Gym. 11.0—Swiss Song Records. 11.29—News; Exchange. 11.40 a.m.-1.30 p.m.—From Berne. 11.40—Records: Light Music. 12.30 p.m.—Weekly Parliamentary Review. 12.45—To be announced. 1.10-1.30—Wengi Accordion Band. 3.0 (from Basle)—Records: Ländler Bands. 3.30 (from Basle)—Talk: South America, melting-pot of races—the Slaves. 3.50 (from Berne)—South American Records. 4.0-5.0—See Monte Ceneri. 5.0-5.30—Programme from Berne. 5.0—Labour Market. 5.10—Legal Talk. 5.20—Talk: Religious Broadcasts. 5.30 (from Basle)—Juanita Stockelin (Pfte.). 6.0—Chimes from Zürich Churches. 6.15 (from Basle)—Time; Markets.

6.20 (from Basle)—For Girls. 6.45—Weather; News; Records. 7.5—Talk: A Hundred and Fifty Years of Australia. 7.25 (from Berne)—Record. 7.30—Winterthur Zither Ensemble. 8.5—Ländler Ensemble and Accordions. 8.20—"En Schwinget uf em Rigi"—Dialect Play with Folk-Songs (Eschmann). 9.10—Dance Music. 9.55-10.0—News.

BRATISLAVA (Czechoslovakia) 1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 5.15 a.m. 3.50 p.m.—Play for Children. 4.35—Topical Review; Record. 4.50—Art Review. 5.0—Hungarian Transmission: Play (Telek). 5.45-7.0—See Prague. 7.0—Reading. 7.15-10.30—See Prague; at 9.15-9.30—News (Hungarian).

BRESLAU (Germany) 950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz and Görlitz, 1,231 kc/s (243.7 m.). 4.30 a.m.—Records; Weather. 5.0—Motto; Weather; Gym. 5.30-7.0—See Berlin. 7.30—Orchestra from Saarbrücken. 8.30—Weather; Greetings. 8.35—For Children. 9.0-9.30—See Deutschlandsender. 10.30—Weather; Water Level; For Housewives. 11.0—Station Orchestra, Conductor: Weisshaupt. Hattwig (Pfte.). Overture, "Figaro" (Mozart). Rondo for Pfte. and Orchestra (Mozart). Hungarian Rondo (Haydn). Reitermarsch (Schubert). Waltz, Bei uns z'Haus (Strauss). Fantasia on Rimsky-Korsakov's Hindu Song (Milenz). Petite Suite de Concert (Cole-ridge-Taylor). 12.0 noon—Time; News. 12.15 p.m.—Orchestra (contd.). Slav March (Tchaikovsky). Polonaise for Pfte. and Orchestra (Chopin). Suite, From Morn till Night (Walter). Waltz, Trau, schau, wem (Strauss). 1.0—News; Exchange; Records.

2.0 (from Gleiwitz)—"In Child-hood's Paradise"—Sequence (arr. Glimpel). Gerthy Handl (Soprano), the Beuthen Chamber Music Ensemble, Ernst Scherzer (Pfte.), and Speakers.
 2.50—Book Review.
 3.0—See Cologne.
 5.0—"Das Kasernmandl"—A Story of Smugglers and Black Magic in the Riesengebirge.
 5.30—Talk: The Nation and Politics.
 5.50—Programme Notes.
 6.0—News.
 6.10 (from Görlitz)—Variety Concert from Niesky. Band, Conductor: Horschler; Schneider Dance Band; Mariiese Nirkoff (Contralto); Kurt Schneider (Bass-Baritone); Fritz Hampe (Compté).
 8.0—Motto; Sound News.
 8.25—Records.
 9.0—News.
 9.20—Report from St. Moritz (Recorded): The European Figure-Skating Championship for Men.
 9.35-11.0—Schneider Dance Band from Niesky.

BRNO (Czechoslovakia)
 922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.15 a.m. 4.35 p.m.—Records.
 4.40—German Transmission: Talk; Peasant Band.
 5.15—News.
 5.20—Literary Review.
 5.30—Moravian Art Review.
 5.45-10.30—See Prague.

BRUSSELS (No. 1)
 (Belgium)

620 kc/s (483.9 m.); 15 kW.
 6.30-9.5 a.m.—Records; Gym; News.
 12.0 noon—Records.
 12.30 p.m.—Weather; Shipping.
 12.32—Cigany Music by the Salon Orchestra. Conductor: Féron.
 1.0—News.
 1.10—Shoura Kouznetzoff Russian Orchestra. Shoura Kouznetzoff and Colas Safonoff (Songs).
 1.30—Records. Waltz, "The Count of Luxembourg" (Léhar). Carnaval (Guiraud). Farandole (Filippucci). The Enchanted Piano (Fischer). Summer Night on the River (Delius). Hungarian Dance (Moszkowski).
 2.0—Art Notes; For Women.
 3.0—A Trip to Great Britain. Record: God Save the King. Address by H.E. the British Ambassador; Record: Overture, The Wasps (Vaughan Williams). Talk by Maurice Tumerelle: Great Britain as seen by a Belgian. Record: Sonata in A minor for two Violins and Harpsichord (Purcell). Poems recited by Génicot. Record: Excerpts from the Serenade for Strings (Elgar). Poems recited by Génicot. Record: Songs of Ireland (arr. Duthoit).
 4.0—Sonata for Pfte. and Wind Instruments (Rietti).
 4.15—Reading (Giono).
 4.30—Poulenc Records. Mouvements perpetuels, by the Composer (Pfte.). Nocturne in C by the Composer (Pfte.). Three Songs. Aubade, by the Composer (Pfte.) and Orchestra.
 4.55—News.
 5.0—Talk.
 5.15—Godwin Orchestra, from the Taverne du Palace.
 5.30—Walloon Dialect Talk.
 5.40—Orchestra (contd.).
 6.0—Topical Talk.
 6.15—Sixteenth Century Walloon Composers—Concert by the Liège a-cappella Choir. Conductor: Mawet. Commentary by Roger Bragard. Je me contente (de Rocourt). Joyeusement sans nul faux tour (Guyot). Le soir étend son voile (Mathieu Le Maistre). Fuyons tous d'amour le jeu (de Lassus). In fata dum conserisertus (Vrancken). Sanctus (Despres). O Jésus C. Siste (Renaud del Mel). Canate Domino canticum novum (Hoyoul). Sustinuit anima mea (Gille de Bassenge). Te Deum (Guyot).
 7.0—Walloon Art and Music Reviews; Interview.
 7.15—Records: Opera Duets.
 7.30—News.
 8.0—Records: French Operetta Music.
 8.30-10.30—See Paris (PTT).
 10.30—News.
 11.0-12.0 m't.—Records.

BRUSSELS (No. 2)
 (Belgium)

932 kc/s (321.9 m.); 15 kW. Programme in Flemish.
 6.30-9.5 a.m.—Records; Gym; News.

12.0 noon—Song Records.
 12.30 p.m.—Weather.
 12.31—Radio Orchestra. Conductor: Douliez. March (Blankenburg). Excerpts, "Javotte" (Saint-Saëns). Wood Nymphs (Eric Coates). Petite Suite (de Micheli).
 1.0—News; Shipping.
 1.10—Orchestra (contd.). Gavotte (Wigy). Scènes espagnoles (Mudler).
 1.30—Records: Light Music.
 2.0—Arnold Schönberg, Alban Berg and Béla Bartók Chamber Music, with Commentary by Denijs Dille.
 3.0—Light Music. Overture, Zampa (Herold). Bal musette Music. In a Chinese Temple Garden (Ketelbey). Folk Instrument Ensemble. Accelerationwalzer (Strauss).
 3.45—Talk: Machiavelli.
 4.0—Jef Maes Trio. Trio (Gade). Trio in E flat (Brahms).
 4.45—Art Talk: The Flemish Primitives—Hans Memling.
 5.0—Radio Orchestra. Conductor: Douliez. Die Dorfmusikanten (Mozart). Divertissement (Lalo).
 5.30—For Women.
 6.15—Salon Orchestra. Conductors: Féron. Le carillonneur (Gamvin). Piece (Grothe). The Tight-rope Dancer (Canivet). Rêves légers (Gascard). Italian Serenade (Czibulka). La housarde (Ganne).
 6.45—Talk: Byron.
 7.0—Salon Orchestra (contd.). Hungarian Fantasia (Szekely). Waltz, "The Dollar Princess" (Fall). Amour de gitane. Mon cœur est fait pour l'aimer (Groya). Chanson d'amour (Gerrebos). Tango Song (Freiberg).
 7.30—News.
 8.0—"De Weg omhoog"—Thré-act Play, translated from the German of Friedmann-Lunzer by Bayeys and De Pont; Tchaikovsky Music, arranged by Jozef Klein. In the interval—Recitations.
 10.0—News.
 10.10—Records. Concerto grosso in D minor (Vivaldi). Symphony in G minor (Roussel). Till Eulenspiegel's Merry Pranks (Strauss).
 11.15-12.0 m't.—Music-Hall Records.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania, 160 kc/s (1,875 m.). Transmits at intervals from 4.30 a.m. 11.0 a.m.—Time; News; Sports; Water-Level.
 11.10—Records.
 12.10 p.m.—Time; News.
 12.25—Records.
 1.0—Foreign Affairs.
 3.0—For Children.
 4.0—Time; Weather.
 4.2—Records: Folk Songs and Dances of Many Lands.
 5.15—Records.
 6.35—Viorica Anghel (Songs).
 7.15—Radio Dance Band.
 8.30—News; Sports Notes.
 8.45—Dumitresco Orchestra.
 9.45—News (French, German).

BUDAPEST (No. 1)
 (Hungary)

546 kc/s (549.5 m.); 120 kW. Transmits at intervals from 5.45 a.m. 11.5—Hilda Törseök (Pfte.) and Ferenc Albert (Violin); at 11.30—News.
 12.30 p.m.—Records.
 1.40—News.
 3.15—For Scouts.
 4.0—Station Orchestra. Overture, "Ballo in maschera" (Auber). Selection, "La rondine" (Puccini). The Dancing Doll (Poldini). Selection, "Hans the Flute-Player" (Ganne). In the Farm Yard (Bortkiewicz).
 5.0—Talk by Jenő Rácz.
 5.30—Béla Farkas Cigany Band.
 6.30—Talk by Dr. Elek Petrovics.
 7.0—Operetta from the Elisabethstadt Theatre. After the Operetta: Kalmár Jazz Band from the Café Baross.
 11.5—News for Hungarians Abroad.

BUDAPEST (No. 2)
 (Hungary)

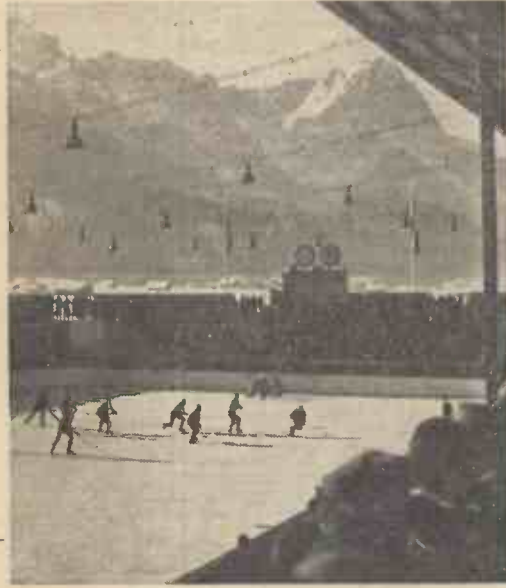
359.5 kc/s (834.5 m.); 18 kW.
 5.30 p.m.—For Farmers.
 6.30—Máté (Clarinet).
 7.0—News.
 7.25—Hungarian Music by Margit Timkó (Pfte.).
 7.50—Records.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW.
 5.0 a.m.—Hymn; Weather; Gym.
 5.30-7.0—See Berlin.
 7.0—Weather; Water Level; Anniversaries.

7.10—For Women.
 7.30—Orchestra from Saarbrücken.
 8.30—Gloger (Clarinet); Steinkrüger (Pfte.).
 8.45—News.
 9.0—See Deutschlandsender.
 9.30-10.0—For Children.
 10.45—Markets; For Farmers.
 11.0—See Breslau.
 12.0 noon—News; Greetings.
 12.15 p.m.—See Breslau.
 1.0—News; Sports.
 1.15—See Berlin.
 2.0—Songs (Trunk) by Lore Schröter (Soprano).

The ice hockey rink at Garmisch, from which Munich and other stations are sending commentaries on the championships now in progress



2.15—Reports from Labour Service Camps.
 2.45—Markets.
 3.0—Variety Concert from Münster. Military Band, Conductor: Händel; Station Orchestra, Conductor: Eysoldt; the Three Merry Fellows; Wilhelm Leisner (Tenor), etc.
 5.0—Programme Notes.
 5.10—Records of the Boston Promenade Orchestra.
 5.30—See Munich.
 6.0—News.
 6.10—Records.
 7.0—Music.
 7.10—See Hamburg.
 9.0—News.
 9.20—Report from St. Moritz: The European Figure-Skating Championships for Men.
 9.35-12.0 m't.—Dance Music from Berlin.

DEUTSCHLANDSENDER (Germany)

191 kc/s (1,571 m.); 60 kW.
 5.0 a.m.—Chimes; Weather; Records.
 5.30-7.0—See Hamburg; at 6.0—News.
 9.0—"Markgraf Gero"—Radio Pictures (Lenning).
 9.30-10.0—For Children.
 10.15—Weather.
 10.30—Records; Weather.
 11.0—See Königsberg; at 11.55—Time and Greetings.
 12.50 p.m.—News.
 1.0—Hans Busch Band, with Herbert Jäger and Records.
 2.0—Weather; Exchange; Markets.
 2.10—Records; at 2.30—Programme Notes.
 3.0—See Frankfurt.
 5.0—Elsa Kelchner and Annelise Walther (Pftes.). Theme and Variations (Fanna). Gavotte (Pirani). Scherzino (Schütt). Marche militaire (Schubert-Tausig).
 5.30—Report from St. Moritz: The European Figure-Skating Championships for Men.
 5.45—Reports on the German Ice-Hockey Championships and German Speed-Skating Championships from Garmisch-Partenkirchen.
 6.0—Motto; News.
 6.10—"One after the other..."—Lore Schoefferberger-Kristin Hilsdorf. Elsa Laura von Wolzogen, Hans Brausewetter, Albert Schmitz and the Mühlbeck Band.
 7.0—"Dancing Snowflakes"—Humorous Scenes for Radio (Albrecht), with Music by Willy Hahn, Karl Knauer and Fried Walter—Hans Busch Band, etc.
 9.0—News; Sports.
 9.20—See Munich.
 9.30—Divertissement (Moser) by Grete Eweler-Froboese (Violin) and Emil Seiler (Viola).

SATURDAY (January 22)

9.45—Weather.
 10.0-11.55—Dance Music from Berlin.
FRANKFURT (Germany)
 1,195 kc/s (251 m.); 25 kW. Cassel, etc. See Sunday.
 5.0 a.m.—Music; Motto; Gym.
 5.30—See Berlin; at 6.0—News.
 7.0—Water Level; Weather; Gym.

Dort nied'n in jenem Holze. Mein Schatz, der ist auf die Wanderschaft hin. Mein eigen soll sie sein.
 2.50—Ice Report.
 3.0—See Cologne.
 5.0—War Reminiscences by Former Cavalrymen.
 5.25—Records: Cavalry Marches.
 5.50—Weather; News.
 6.10—"Boys will be Boys!"—Programme by a Hitler Youth Ensemble, etc. (arr. Stapelberg).
 6.55—Press Review.
 7.10—"From Strauss to Künneke"—Operetta Sequence arranged and conducted by Künneke, from Magdeburg Stadthalle, Magdeburg Municipal Theatre Orchestra and Chorus; Hamburg Station Dance Band; Marcel Wittrich (Tenor); Lea Piltiri (Soprano).
 9.0—News.
 9.20—See Munich.
 9.30-12.0 m't.—See Berlin.

HILVERSUM (No. 1)
 (Holland)

160 kc/s (1,875 m.); 10 kW until 2.40 p.m.; 150 kW from 2.40 p.m. Also on Lopikerkapel, 722 kc/s (415.4 m.); 17 kW. See page 20.
VARA Programme.
 7.40 a.m.—Records.
 7.40—VPRO Religious Programme.
 10.0—Talk and Variety Concert.
 11.40 a.m.-1.25 p.m.—Records.
 1.40—Recitation.
 2.0—Lydensdorff (Violin) and Wina (Pfte.).
 2.25—Amateur's Programme.
 2.55—Talk: Morocco.
 3.25—VARA Orchestra. Conductor: de Groot. Daalhuizen (Trumpet).
 4.10—Esperanto Programme.
 4.30—Report.
 5.20—Recitation.
 5.40—Steyn (Organ).
 6.10—"De Wielewaal" Choir. Conductor: Tiggers.
 6.40—Film.
 7.10—VPRO Talk.
 7.40—News.
 7.55—VARA Orchestra. Conductor: de Groot, and "The Fantasia." Conductor: Walls.
 8.55—The Ramblers. Conductor: Masman.
 10.10—Talk; News.
 10.20—Records.
 10.30—Dramatic Programme.
 10.40—Esther Philipse (Songs) and Jong (Organ).
 11.10—News.
 11.15-11.40—Records.

HILVERSUM (No. 2)
 (Holland)

995 kc/s (301.5 m.); 15 kW until 6.10 p.m.; 60 kW from 6.10 p.m.
KRO Programme.
 7.40-8.55 a.m.—Records.
 9.40—Records.
 11.10—Religious Address; News.
 11.55—KRO Melodists. Conductor: Lustenhouwer, Klein (Refrains); at 12.40 p.m., News.
 1.40—For Young People.
 2.10-2.40—Records.
 2.45—For Children.
 3.55—KRO Chamber Orchestra, Conductor: Reinards; at 4.25, Records.
 5.10—News in Esperanto.
 5.25—KRO Children's Choir. Conductor: Anny Bonarius.
 5.55—Records; Press Review.
 6.25—Records; News; Talk.
 7.15—Radio Journal; News; Meditation; Talk.
 8.20—KRO Orchestra. Conductor: Reinards.
 8.40—Request Records.
 8.55—Café Concert.
 9.5—The Hawaiian Friends.
 9.15—KRO Melodists. Conductor: Lustenhouwer.
 9.35—Café Concert.
 9.45—The Hawaiian Friends.
 9.55—KRO Melodists.
 10.10—Talk; Film Talk.
 10.35-11.40—Records.

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW. Bremen, etc. See Sunday.
 5.10 a.m.—Motto; Weather; Gym.
 5.20—Talk: Town and Country.
 5.30—Verdiek Band; at 6.0—News.
 7.0-7.20—For Housewives.
 9.0—"The Crown Prince"—Play (Hilker).
 9.30 (from Stettin)—Band, Conductor: Behnke.
 10.40—Ice Report; Weather.
 11.0 (from Stettin)—Band, Conductor: Behnke.
 12.0 noon—Midday Review.
 12.15 p.m.—See Breslau.
 1.0—News; Musical Variety.
 2.0—Shipping; Markets.
 2.20—Folk-Songs sung by the Station Choir and Male Voice Quartet, Conductor: Gregor Liebesentzücken. Abschiedsw. Es war einmal eine Müllerin. Aberdsterm. Die Lore am Tore.

KALUNDBORG (Denmark)

240 kc/s (1,250 m.); 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.).
 11.0 a.m.-1.0 p.m.—Preil's Ensemble.
 1.30—Radio Orchestra. Conductor: Tuxen. Biddy Heilmann (Songs). Part I. Danish Music. Overture, "Trylleharpen" (Kuhlau). Novellettes (Gade). Excerpts, "Mid-delalderlig" (Lange-Müller). Barcarolle (Rubinstein). Country Suite (Gyldmark). Danish Rhapsody (Tarp). Part II. Schubert Songs: (a) Nur wer die

SATURDAY (January 22)

Sehnsucht kennt, (b) Ueber Tal und Fluss getragen, (c) Heiss mich nicht reden, (d) So lass mich scheinen, bis ich werde, (e) Kennst du das Land. Part III. Overture, "Peter Schmolli" (Weber). Andante cantabile (Tchaikovsky). Waltz (Schubert, arr. Grøndahl). Dances, "Le roi malgré lui" (Delibes). Selection, "The Little Dutch Girl" (Kálmán). Czardas (Monti).
3.30-3.50—For Children.
4.0—Talk: Round Cape Horn.
4.25—Weather; Exchange; Markets.
4.50—Records.
5.15—Talk: Lord Byron.
5.35—French Lesson.
6.0—News.
6.30—Talk: Workers' Psychology.
7.0—Prel's Ensemble.
8.0—Young People discuss the Future.
8.30—Helga Weeke (Songs). Der staar to Roser (Lange-Müller). Min Fader bygget og Fangebur (Lange-Müller). Stille Nat (Henrichsen). September (Henrichsen). Pigerne i Kornet (Henrichsen). Saenk kun dit Hoved (Nielsen). Mogens Song (Nielsen). I Aften (Nielsen).
8.50—News.
9.10—Russian Music—Radio Orchestra. Conductor: Grøndahl. Palmhøj (Violin). Overture, "A Life for the Tsar" (Glinka). Selection, "Eugene Onegin" (Tchaikovsky). Bacchanale, "The Seasons" (Glazunov). Canzonetta from the Violin Concerto (Tchaikovsky). Italian Caprice (Tchaikovsky).
10.10-11.30—Petersen Dance Band; at 11.0—Chimes.

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.—Weather; Records; Gym.
5.30—See Berlin.
7.0—Prayers; Gym.
7.30-8.30—Orchestra from Saarbrücken.
9.0-9.30—See Deutschlandsender.
9.45-10.0—Weather; Ice Report.
10.35—Talk: Between Town and Country.
10.50—Markets; Weather.
11.0—Station Orchestra, Conductor: Brückner. Hans Hedenus (Violin). Comedy Overture (Fiedler). Violin and Orchestra: Sketches from the Orient (Silcher). Festlicher Aufklang (Lürmann). Ein Karnevalsfest (Kaun). Overture, "The Barber of Bagdad" (Cornelius). España (Chabrier). Music from the Turandot Suite (Busoni). Waltz, "Der Rosenkavalier" (Strauss). Overture, "Reineke Fuchs" (Bleyle); at 11.55—Time; News.
1.0 p.m.—News; Anniversaries.
1.15—Tücki and Peter at the Cinema.
1.55-2.0—Exchange.
2.15—Heti Böhnke (Soprano); Joachim Ansoerg (Pfte.); Franz Kirchberger (Cello); Paul Grossmann (Pfte.). Songs (Trunk): (a) In der Nacht, (b) Meine Mutter hat's gewollt, (c) Regenacht, (d) Erinnerung. "Cello Sonata (Ansoerg). Songs (Trunk): (a) Nachtgesang, (b) Schicksal, (c) Gegen Abend, (d) Froher Tag.
3.0—See Frankfurt.
4.50—Ice Report; Sports.
5.15—"Pictures of Circus Life" (arr. Greiser).
5.50—Local News.
6.0—News; Road Report.
6.10—"Sie kriegen sich in Grossaufnahme"—Sequence (Witt) with the Börschel Band and the Small Station Orchestra, Conductor: Wilcken.
8.0—"Dangerous Corner"—Peter Arco, with Records.
9.0—News; Sports.
9.20—See Munich.
9.30—Weekly Sports Review.
9.40-11.0—Dance Music from Munich.

LEIPZIG (Germany)

785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.).
5.0 a.m.—Weather; Gym.
5.30—See Berlin; at 5.50—Notes for Farmers, Snow Report and News.
7.0—Gym.
7.20—Bittner (Cor anglais); Burgert (Pfte.).
7.30-8.30—Orchestra from Saarbrücken.

8.55—Water Level.
9.0—See Deutschlandsender.
9.30-9.45—Weather; Programmes.
10.35—Anniversaries.
10.40—Talk; Weather.
11.0—See Breslau.
12.0 noon—Time; News.
12.15 p.m.—See Breslau.
1.0—News; Exchange.
1.15 (approx.)—Records.
2.20—For Children.
2.50—Weather; Markets.
3.0—See Cologne.
5.0—A Modern Dictionary.
5.15—Choral Concert from Meissen.
6.0—News.
6.10 (from Dresden)—Spanish, Italian and Greek Folk-Songs and Dances. Gisela Brecht (Mezzo-Soprano); Jorgo Chartofilax (Mandoline); Else Klengel (Guitar); Chartofilax Mandoline Quartet; Hans-Hendrik Wending (Pfte.). Mandoline Quartet: Basque Serenade. Soprano: Andalusian Song, Lolita. Mandoline Quartet: Portuguese Folk-Dance, Gallegada. Soprano: Spanish Song, Cielo linto. Mandoline and Quartet: Old Spanish Folk-Dance, Fandangos. Soprano: (a) Dance-Song of the Campagna; Abballa, (b) Neapolitan Folk Song, Voga, Voga. Mandoline and Guitar: (a) Napoli, Napoli, (b) Venetian Song. Soprano: Tuscan Vintage Song, La Vendemmia. Mandoline Quartet: A Night in Sorrento. Soprano, with Mandoline Quartet: (a) Greek Shepherd Song, To topanopulo, (b) Folk-Song of Samos, Samiotissa. Mandoline Quartet: Street Song of Corfu.
7.0—"When our Elders were Young"—Variety by the Fricke Band, the Sprce Revellers, etc. Part I: A Visit to the Bioscope; "Lissy the Coco"—Melodrama. Part II: A Visit to the Nachtfalter Cabaret. Part III: A Visit to the Elysium Ballroom.
9.0—News; Sports.
9.30-11.0—See Munich.

LILLE (Radio PTT Nord) (France)

1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.30 a.m.
4.0 p.m.—Dehette and Duchêne (Jazz Duo).
5.0—University Talk.
5.30—Mlle. Damiens and Alard (Accordions).
6.0—For Women; Records.
6.23—Talk.
6.30—Records: Eine kleine Nachtmusik (Mozart), by the Berlin Philharmonic. Conductor: Furtwängler.
6.50—Sports; Records.
7.10—Talk in English.
7.25—Record: Barcarolle (Offenbach).
7.30—Radio Journal.
8.0—"La Maison Claire".
8.45 (also Limoges (PTT) and Toulouse (PTT))—"Les Borgia"—Play (Josset) from the Théâtre du Vieux-Colombier, Paris, presented by the Author. After the Play, News.

LISBON (Portugal)

629 kc/s (476.9 m.); 15 kW. Transmits at intervals from 12.0 noon.
5.30 p.m.—Tea Concert.
6.0—Spanish Music.
6.20—Military Notes; Records.
6.50—News; Concert.
7.50—News.
8.0—Salon Orchestra.
8.30—Home Affairs; Music.
9.5—Announcements; Songs.
9.40—Portuguese-German Exchange Programme.
10.10—Chamber Orchestra; at 10.30—News.
11.30-12.0 m't.—News; Dance Music.

LYONS (PTT) (France)

648 kc/s (463 m.); 100 kW. Transmits at intervals from 6.30 a.m.
4.0 p.m.—"La Captive"—Play (Mère), by the People's Theatre Players.
6.3—Records.
7.0—Surprise Programme.
8.0—Press Review; Records.
8.30—See Paris (Eiffel Tower). After the Programme, News (French, German).
MONTE CENERI (Switzerland)

1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 11.0 a.m.
4.0 p.m.—De Signori and Valerio (Violins). Suite for two Violins and Pfte. (Handel). Suite for two Violins and Pfte. (Moszkowski).

4.30—New Poems.
4.40—New Songs—Ticino Children's Choir. Conductor: Filipello.
5.0—"The Sleeping Beauty"—Musical Fable (Mary Tibaldichies).
5.45—English Lesson.
6.0—Records.
6.50—News.
7.0—Records: Spanish Songs.
7.15—Talk: The Life of the Nations as seen by a Doctor.
7.30—Variety Concert. Suite campestre (Amadei). "GH' e' scapaa un leon!"—Two-Act Dialect Play (Talamona). Suite, Un giorno a Venezia (Nevin).
8.45-10.0—Dance Music from St. Moritz.

MOSCOW (No. 1) (Russia)

172 kc/s (1,744 m.); 500 kW.
12.0 noon—Programme in Dutch.
5.0 p.m.—Talk.
5.30—Literary Programme.
6.0—Concerts.
8.30—News; Kremlin Chimes.
9.0—Programme in French.
10.0-12.0 m't.—Programme in Spanish.

MUNICH (Germany)

740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.).
5.0 a.m.—Motto; Weather; Gym.
5.30-7.0—See Berlin.
7.0—Motto; Gym.
7.30-8.30—Orchestra from Saarbrücken.
9.0-9.30—See Hamburg.
10.0—For Country People; Markets; Trio; Talk; News; Trio.
11.0—See Breslau.
12.0 noon—Time; News.
12.15 p.m.—Records, Overture, "The lovely Galatea" (Suppé). Selection, "Die Puppenfee" (Bayer). Ballet, "Sylvia" (Delibes). Ballszene (Hellmesberger). Waltz, Die Schönbrunner (Lanner).
1.0—News; Exchange.
1.15—Weekly Sports Bulletin.
1.25 (from Nürnberg)—Orchestra, Conductor: Böhm. Georg Rinkkefel (Bass). Overture, "Donna Juanita" (Suppé). Rhapsodischer Walzer (Löhner). Im Winterwald (Dölb). Fantasia on Russian Folk-Songs and Dances, Eisblumen (Leuschner). Der einzige Fehler (Frickert). Feurige Puszta (Brand). Westermarsch (Neuhausner). After the Programme: "Fränkische Rockenstube"—Sketch about an old Franconian Custom (Alt).
2.40—Reading: Reminiscences of Noted Comedians.
3.0—See Frankfurt.
5.0—Weather; Markets.
5.10—Sonatina in G (Dvořák) by Schmid (Violin) and Graef (Pfte.) (Recorded).
5.30—Reports from Garmisch-Partenkirchen and Oberstaufen: (a) The German Ice-Hockey Championships, (b) The Hockey Speed-Skating Championships, (c) The Bavarian Skiing Championships.
6.0—Road Report; News.
6.10—Winter Relief Concert.
7.10—Variety (arr. Cassimir). Station Schrammel Band; Wörthmüller Quintet; Lilly Preisig (Songs); René Maquet (Saxophone); Josef Schwarz (Accordion); Three Nehrgs (Xylophone Virtuosi); The Three Rulands (Parodies), etc.
9.0—Time; News.
9.20—Report from Garmisch-Partenkirchen: The German Ice-Hockey Championships.
9.30-11.0—Dance Music. Station Dance Band; Ernst and Fred (Songs to the Guitar); Peter Fiering (Concertina); and the Station Schrammel Band.

NAPLES GROUP (Italy)

Naples, 1,104 kc/s (271.7 m.); 10 kW. Florence (No. 1), etc. See Sunday.
6.0 p.m.—Light Music and Songs.
6.15—Topical.
6.25—Swiss Folk Music from Zürich.
7.0—Time; News.
7.20—Talk.
7.30—"Rain and Storm"—Orchestra. Conductor: Mancini. Music by Chopin, Lunghi, Brown, Ranzato, Ford, Waldteufel, Sassoli, Grieg, Rossini, and Saint-Saëns. Talk in the interval.
8.40—"In Giro per il Mondo"—Fantasy (Basilico).
9.15 (approx.)—Dance Music.
10.0—News.
10.15-10.55—Dance Music.

OSLO (Norway)

260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday. Transmits at intervals from 9.30 a.m.
4.5 p.m.—For Children.
4.35—Variety.
5.45—News; Press Review.
6.15—Concert.
6.45—Talk.
7.0—Station Orchestra.
8.30—Talk.
8.40—News; Topical Talk.
9.15-10.0—Dance Music.

PARIS (Eiffel Tower) (France)

1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 6.30 a.m.
4.0-5.0 p.m.—See Lille.
6.30—"The Seven Deadly Sins in Drama"—Anger. Programme presented by José Germain and Paul Castan. Part I: Scene from "Le Misanthrope" (Molière); Part II: Scene from Andromaque (Racine); Part III: Les Jurons de Cadillac (Berton); Part IV: "Les Boulingrin" (Courteline).
7.0—Concert from Nice-Côte d'Azur.
7.30—News.
8.0—Jeanne Andral (Bourbon Songs).
8.30 (also Lyons (PTT), Bordeaux-Lafayette, and Montpellier (PTT))—From the Opéra-Comique. After the Programme; News.

PARIS (Poste Parisien) (France)

959 kc/s (312.8 m.); 60 kW.
7.10 a.m.—Records.
7.30—News; Records.
8.10—Menus; Records.
8.30—News; Records.
9.0—Orchestral Records.
9.30—Song Records.
10.0—Records.
10.45—Records of Mistinguett.
11.0—Records.
11.30—Talks.
11.45—Weekly Review.
12.0 noon—Exchange; Records: Rathy Orchestra.
12.25 p.m.—News.
12.35—Lajarrige (Cinema Organ).
12.50—Records.
1.15—Amusement Guide.
1.17—Antoinette Soulas.
1.22—Records of Le Petit Mirscha.
1.30—Exchange.
1.35—"Session of the S.D.L."—Sequence with Pierre Dac, etc.
2.5—News.
2.10—Christiné, Moretti, Yvain and Borel Clerc Records.
2.40—Film Records.
3.0—Variety; at 4.35—Exchange.
6.0—Exchange; News.
6.10—Roman Catholic Review.
6.30—For Young People.
6.58—Racing.
7.0—Foreign Press Review.
7.10—Sports; Amusements.
7.17—Records.
7.45—Operetta Records.
8.0—Topical.
8.10—Georges de la Fouchardière and Clément Vautel.
8.15—Max Regnier and Company.
8.45—La bonne histoire.
9.0—News.
9.10—"The Tuileries"—Sequence.
9.25—Records.
9.55—News.
10.5-11.0—Dance Music.

PARIS (PTT) (France)

695 kc/s (431.7 m.); 120 kW.
6.30 a.m.—News; Records.
7.0—News; Records.
7.45—News; Records.
8.30-8.45—Legal Talk.
9.15—Records.
9.45—Warms Band.
10.30—Mlle Mad Le Bergy (Songs).
10.45—Warms Band.
11.45—Adison Orchestra.
12.45 p.m.—Radio Journal; News.
1.0—Adison Orchestra.
1.45—Tourist Report.
2.10—Theatre Notes.
2.30—Concert for Hospitals. Part I, Zadri (Pfte), René Garcia (Songs). Pfte.: (a) Intermezzo (Brahms), (b) Mouvement perpétuel (Poulenc). Songs: (a) Le bonheur (de Régnier), (b) La salle à manger (Jammes), (c) Bêtes en velours (Laronde), (d) Pauvreté (Sandy). Part II, One-Act Comedies: (a) "Devant la porte" (Duvernois), (b) "La lettre chargée" (Courteline). Part III, Régor (Songs). Le couronnement de la rosière (Desmoulin), Marie (Darlay).
3.30—Literary Review.
3.50—Talk: Spanish Paintings in the Louvre.
4.0—Aviation Report.
4.15—Records.
4.30—Pasdeloup Concert. Hélène Pignari (Pfte.). Catherine Jarboro

(Songs). Symphony (Haydn). Pfte. Concerto (Mozart). Songs and Negro Spirituals. Burlesque for Pfte. and Orchestra (R. Strauss). Symphonic Poem, Death and Transfiguration (R. Strauss).
6.30—Suzanne Pierson (French Songs). Two Breton Folk Songs (arr. Bourgault-Ducoudray). Two Burgundian Folk Songs (arr. Emmanuel). Two Canadian Folk Songs (arr. Vuillermoz). Three French Songs (arr. Inghelbrecht).
6.45—d'Arcy (Songs). Goodbye (Tosti). Si tu devinias (Batelli). La longue route (Parès-Van Parys). Du soleil dans le coeur (Porkkères). J'aime qui m'aime (Vertes).
7.0—Radio Journal.
8.0—Belgium Court Trio.
8.30-10.30—Soirée tournante.
8.30—Symphony Music. Conductor: Bigot. Navarra ("Cello). Iberia (Debussy). Elegy for Cello and Orchestra (Fauré). Viennoise and Cortège blues (Pierne).
9.10—One-Act Plays: (a) "Eux" (Donnay) with Victor Boucher and Gaby Morlay, (b) "Le captif" (Tristan Bernard) with Charles Dechamps.
9.50—France in Song (arr. Aman-Maistre).
10.30—News; Programmes.
11.0—"L'Hermine"—Three-Act Play (Ancuili).

PARIS (Radio-Paris) (France)

182 kc/s (1,648 m.); 80 kW.
6.28 a.m.—Programmes; Records.
6.40—News; Gym; Records.
7.15—News; Records.
8.0—News; Notes; Records.
9.30—Final Rehearsal of the Conservatoire Concert, Conductor: Gaubert. The Pastoral Symphony (Beethoven). Ballad for Pfte. and Orchestra (Fauré). La Mer (Debussy). La Valse (Ravel).
11.30—Records; Dances.
11.45—Exchange; Markets; Water Level.
12.0 noon—Mme Aday Leyvastre (Pfte.). Scènes municipales (Tomasi). La foire de Saint-Romain (Bondeville).
12.15 p.m.—Bailly Orchestra. Overture, "Le Toréador" (Adam). Wedding Day in Troidhaugen (Grieg). Scènes bohémiennes (Bizet). La Fontaine de Jouvence (Lacôme). Ballet, "Rosamunde" (Schubert). Danse grotesque (Florent Schmitt).
1.0—Time; News.
1.15—Bailly Orchestra. Suite, A Day in Fairyland (Haydn-Wood).
1.30—Morturier (Büsser, Chaminate and Godard Songs).
1.45—Bailly Orchestra. Ukrainian Scenes (Akimenko). Marche bohémienne (Filippucci).
1.58—Programme Notes.
2.0—Educational.
2.30—Markets; Record.
2.45—Talk: The Colonies.
3.0—Jeanne-Marie Conty (Songs).
3.15—Topical Review.
3.30—Talk: Aviation.
3.45—Germaine Ganiayre (Songs).
4.0—Talk: Paris in the Time of Louis XIV.
4.15—Talk: Henry Bataille.
4.30—Talk: Hibernating Animals.
4.38—Talk: 1938.
4.50—American Markets.
5.0—For Children.
5.45—Robert Milani (Songs).
6.0—Practical Hints by René Gerly.
6.30—Shipping and Theatre Notes.
6.48—Review by Haurigot; Notes.
7.0—Educational.
7.30—Talk: Dancing.
7.40—Science Talk.
7.50—Time; Home Affairs.
8.8—Foreign Affairs.
8.15—Jean Lambert (Songs).
8.30-10.30—Soirée tournante.
8.30—"Une balle perdue"—(Marcel Achard) with Gaby Morlay, Victor Boucher, Jean Périer, Charles Dechamps and Raymonde Vattier.
9.10—"France in Song" (arr. Aman-Maistre).
9.50—News; Review by Bonnaud.
10.5—Light Music, Conductor: Bigot. Mme Deva-Dassy (Songs). Three Songs (Oberfeld-Goldin). Ballet, "Siang-Sin" (Hüe).
10.35—Sound News Review (Brive).
10.45—Time; News.
11.0—Bouillon Dance Band.
11.10—Water Level; Records.
11.25—News.
11.35—Military Band.

PRAGUE (Czechoslovakia)

638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.15 a.m.
11.0 a.m.—For Farmers.
11.10—Water Level; Records.
11.25—News.
11.35—Military Band.

12.30—Industrial Review; Records.
12.50—Exchange.
12.55—Exchange and Weather (German).
1.0-1.20—German Transmission: Week-End Variety.
2.15—Popular Concert from Moravska-Ostrava.
3.45—For Housewives.
3.50—For Children.
4.35—For Farmers.
4.45—For Workers.
4.55—German Transmission: Folk Music Programme.
5.45—News and Topical (German).
6.0—News; Economics.
6.20—Dancing Lesson.
7.0—Talk.
7.15—Variety Concert—Station Orchestra, Conductor: Parik, Balsanek. Salon Orchestra and Singers, Station Choir, etc.
8.55—Record.
9.0—News; Records.
9.30-10.30—Dance Music.

RADIO-NORMANDIE (France)
1,113 kc/s (269.5 m.); 15 kW.
6.45 a.m.—Military Band.
7.0—Chansonnettes.
7.15—News; Press Review.
7.45—Physical Exercises.
8.0—Music in the Morning.
8.15—Light Music.
8.30—Dance Music.
8.45—For Young People.
9.0—Dance Music.
9.15—Military Band.
9.30—For Mothers and Children.
9.45—Pat Hyde and Dinah Miller.
10.0—Song Hits of To-day.
10.30—Light Music.
11.0—Variety.
11.15—Favourite Melodies.
11.30—Chansonnettes.
12.0 noon—The Havre Folies-Bergere.
12.45 p.m.—News; Topical.
1.00—Concert. Selection, "A Waltz Dream" (O. Straus). Roncevaux (Leroy). The Three Mandarins (Misraki). Je ne veux pas d'autre femme que vous (Scott). Retraite tartare (Sellenick). Je ne t'aime plus (Gazes). Rumbanana (Durand). Bouillabaisse d'amour (Alibert-Scott). Noël en mer (Ackermans). Excerpt, "Romeo and Juliet" (Gounod). Serrez vos rangs (Bruant).
2.0—The Magic Carpet.
2.30—Arthur Young and Enid Legrande.
2.45—Light Music.
3.0—Harold Ramsay (Organ).
3.15—Popular Songs.
3.30—Dance Music.
4.0—Swing Music.
4.15—Musical Potpourri.
4.45—Memories.
5.0—Popular Favourites.
5.30—Light Music.
5.45—Variety.
6.0—Children's Corner.
6.45—Talk; News; Racing.
7.0—Chansonnettes.
7.25—News; Topical.
7.45—Trailer of Next Week's Programmes.
8.0—Popular Music. Mazurka provençale (Sigell). Excerpts, "Un de la Canebière" (Scott). L'amour est enfant du Midi (Hamel).
8.20—Nicole Marina.
9.0—To be announced.
11.55—News.
12.0 m.t.—Midnight Melodies.
12.30 a.m. (Sunday)—Dance Music.
12.45—Favourite Tunes.
1.0-2.0—Dance Music.

RADIO-MEDITERRANÉE (France)
1,276 kc/s (235.1 m.); 27 kW.
Transmits at intervals from 12.15 p.m.
7.0 p.m.—Italian Lesson.
7.15—Talk: Provence.
7.30—Request Programme.
8.0—News; Exchange.
8.15—Operettas of Yesterday—Ray Ventura and his Collégiens.
8.30—Light Music.
8.45—Records: Light Music.
9.0—Talk; Weather.
9.10—Variety.
10.0—News.
10.15—Dance Music.

RENNES-BRETAGNE (France)
1,040 kc/s (288.5 m.); 120 kW.
Transmits at intervals from 6.30 a.m.
12.15 p.m.—Concert from Lyons (PTT).
12.45—News.
1.0—See Strasbourg.
1.45—Economics; Social Notes.
2.0—Educational.
3.0—Concert from Nantes.
4.0—Records.
4.30—See Paris (PTT).
6.30—Sports Talk.
6.45—News (English).

7.0—Radio Journal; Weather.
7.30—Pfte. and Violin Sonatas from Angers.
8.0—News; Records.
8.30—Variety from Nantes. Part I. "De Tribord a Babord"—Fantasy (Michel). Part II. "Le Voyage a Biarritz"—One-Act Play (Sarment). After the Play, News; Concert.

REYKJAVIK (Iceland)
208 kc/s (1,442 m.); 16 kW.
Transmits at intervals from 11.0 a.m.
8.10 p.m.—Weather (Icelandic, German, English).
8.20—Music.
8.40—News.
9.15—Talk or Play.
10.30—Radio Quartet.
11.0 p.m.—1.0 a.m. (Sunday)—Dance Music.

ROME GROUP (Italy)
Rome (No. 1), 713 kc/s (420.8 m.); 50 kW. Bari (No. 1), etc. See Sunday.
6.45 a.m.—Gym.
7.0-7.20—Time; News.
9.30-10.0—For Schools.
9.30-10.0—See Turin group.
11.30—Sports: Light Music.
12.0 noon—Time; News.
12.15 p.m.—"From A to Z"—Musical Encyclopedia (Marchesi).
12.40 p.m.—A Film.
12.50—Light Music.
1.0-1.15—News.
3.0—Symphony Concert. Conductor: La Rosa Parodi.
4.0—News.
4.15—Dance Music.
4.55—Talk for Workers.
5.10-5.50—Rural Programme.
6.0—Talk (Esperanto).
6.20—Dopolavoro Notes.
6.30—Radio Orchestra. Conductor: Filippini.
7.0—Time; News; Talk.
7.30—Light Music.
8.0—"Gli uomini non sono ingrati"—Three-Act Play (De Stefani).
9.15—Marcella Barzetti (Pfte.).
10.0—News.
10.15-11.30—Dance Music.

SOTTENS (Switzerland)
677 kc/s (443.1 m.); 100 kW.
Relayed by Geneva, 401 kc/s (748 m.).
11.29 a.m.—Time; News.
11.40—Records: Song Successes.
12.0 noon—Ski-ing Review.
12.10-1.0 p.m.—Records: Something for Everybody.
4.0-5.0—See Monte Ceneri.
5.0—Lausanne Cathedral Chimes.
5.10—For Children.
5.40—Dance Records.
6.0—Educational Talk.
6.10—Reading.
6.20—Talk.
6.30—Music.
6.50—News.
7.0—Old English Music—Radio-Suisse romande Orchestra. Conductor: Haug. Suite for Strings, "King Arthur" (Purcell-Herbage). Divertimento on English Dances (arr. Paumgartner). Scottish Songs and Dances (arr. Whyte). Overture in B flat (Arne).
7.45—"A Love-tale"—Three-Act Play by the Compagnie des Deux-Masques.
8.30—Grieg Concert by the Radio-Suisse romande Orchestra. Suite, Aus Holbergs Zeit. Funeral March. Solveig's Song. Norwegian Dances.
9.15-10.0—Dance Music from Montreux.

STOCKHOLM (Sweden)
704 kc/s (426.1 m.); 55 kW.
Motala, etc. See Sunday.
Transmits at intervals from 6.20 a.m.
11.25 a.m.—Accordion.
11.50—Exchange.
12.0 noon—Military Band.
1.0 p.m.—Talk.
1.30—Light Music. Broberg (Saxophone), Charles Redland (Marimba), Wiberg (Pfte.). Saxophone: (a) Valse caresse (Savino), (b) Dolly Dimples (Atler). Marimba: (a) Toodle-oo (Lombardo-Loeb), (b) Slow-Sticks (Redland), (c) Sugar-Cake (Redland), (d) Gipsy Sweetheart, (e) I'm tickling Wood (Redland). Saxophone: Romance (Fradkin).
2.0—Reading.
2.30—Records.
3.30—For Children from Sundsvall.
4.5—Gävleborg Orchestral Society. Conductor: Sten Frykberg (Pfte.). Overture, "Euryanthe" (Weber). Concert Piece in F minor for Pfte. and Orchestra (Weber). Two Romances (Grieg). Piedmontese Dance (Sinigaglia). Serenade for Strings (Haydn). Marche Lorraine (Ganne).

5.0—Talk: Correct and Incorrect Speech.
5.30—Reading.
5.45—"Engineer Björck and Family"—Sketch (Alice Svensk).
6.0—Weather; News.
6.30—Old Dance Music.
7.15—Cabaret.
8.15—Talk.
8.45—Weather; News.
9.0-10.0—Station Dance Band.

STRASBOURG (France)
859 kc/s (349.2 m.); 100 kW.
Transmits at intervals from 6.30 a.m.
12.15 p.m.—Records.
12.35—News.
1.0—Orchestra. Conductor: Bour. Nordisches Blut (Huhn). Aubert Potpourri (Salabert). Waltz (Ziehrer). Suite orientale (Popy). Czardas (Michiels). Down South (Myddleton).
1.45—Economic and Social Notes.
2.0—Gardening Talk (German).
2.15—Art Notes.
2.30—Opera and Operetta Songs by Jeanne Wild (Soprano) and Delançay (Tenor).
3.30—Light Music. Overture, "Gri-Gri" (Lincke). Two Songs (Tosti). Concerto, "Coppelia" (Delibes). Ballet, "Cinq-Mars" (Gounod). Eternelle Jeunesse (Ganne).
4.15—French Lesson.
4.30—See Paris (PTT).
6.30—Records.
7.0—Radio Journal; Weather.
7.30—See Rennes-Bretagne.
8.0—News (German, French).
8.20—Sports.
8.45—"Les Troyens à Carthage" (Berlioz) from the Municipal Theatre. Conductor: Bastide.
12.0 m.t.—News (French, German).

STUTTGART (Germany)
574 kc/s (522.6 m.); 100 kW.
5.0 a.m.—Hymn; Time; Weather; Notes for Farmers; Gym.
5.30—See Berlin.
7.0—See Frankfurt.
7.30-8.30—Records.
9.0-9.30—"Reich Unity"—Historical Pictures of January 18 (Domay).
10.30—Folk-Music. In the interval—Peasants' Calendar and Weather.
11.0—See Breslau.
12.0 noon—Time; News.
12.15 p.m.—See Breslau.
1.0—Records: Musical Variety.
2.0—Concert from Mannheim. The Melo Trio; Schicke-Semmelbeck Pfte. Duo.; Lothar Scherer (Violin).
3.0—See Frankfurt.
5.0—Weekly Sound News.
6.0—News.
6.15—"A Musical Trip round the World" (arr. Schmitt-Eckert) from Mannheim. The Melo Trio, Max Fühler, Friedrich Schery and Heini Handeschumacher.
7.0—Saturday Evening Variety (arr. Ganss).
8.0—"The Bill"—Play about Paganini (Binder); Music by Sieber.
9.0—Time; News.
9.20—See Munich.
9.30—To be announced.
9.35—Dance Records.
11.0-12.0 m.t.—See Frankfurt.

TOULOUSE (Radio-Toulouse) (France)
913 kc/s (328.6 m.); 60 kW.
Transmits at intervals from 8.0 a.m.
12.0 noon—News.
12.30 p.m.—Film Music.
12.45—Light Music. Excerpts, "Les Gangsters du Château d'If" (Scott). Tout va très bien (Misraki). Les mots d'amour (Scott). Petite madame, bonsoir (Warms).
1.15—Dance Music.
1.45—Orchestra.
2.0-2.5—News.
4.30—English Concert.
6.40—Operetta Songs, "Ignace" (Dumas), "Rose de Marseille" (Sellers), "La belle saison" (Delettre), "Miss Decima" (Auldran), "O mon bel inconnu" (Hahn).
6.55—News; Sports.
7.15—For Children.
7.45—Light Music.
8.0—Songs.
8.30—Excerpts, "Ceux de la légion" (Dumas).
8.45—Operetta Music. Excerpts, "The Gipsy Princess" (Kálmán), "The Merry Widow" (Lehar), "The Geisha" (Jones), "Eva" (Lehar).
9.10—Talk.
9.15—"Le réveillon de Jacqueline"—Fantasy.
9.30—Dance Music.
10.0—News.
10.15—English Concert.
11.15—Light Music.
11.50-12.0 m.t.—News.

TURIN GROUP (Italy)
Turin (No. 1), 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday.
6.45 a.m.—Gym.
7.0-7.20—News.
9.30-10.0—For Schools.
10.30—The Chesi-Zanardelli-Cassone Trio. Waltz, "Romeo and Juliet" (Gounod). Neapolitan Scenes (Calotta). Allegro (Krommer). Intermzzo, "I quattro rusteghi" (Wolf-Ferrari). Melody (Rachmaninoff). Serenade (Padilla). Movement from a Trio (Beethoven). Ricordi di un giorno (Vallini). Mendoza (Verdi). Minuet (Frontini).
11.30 a.m.—1.0 p.m.—See Rome group.
1.0-1.20—News; Exchange.
3.0—See Rome group.
4.0—News.
4.15—Lecture-Recital by Mitzi Brusotti: Old Dances, with Illustrations from Frescobaldi, Brossi, Rossi, Bach, Handel, etc.
4.55-5.10—For Workers.
6.20—Dopolavoro Notes.
6.30—See Rome group.
7.0—Time; News; Talk.
7.30—Light Music.
7.36 (Rome (No. 2) only)—News in English.
8.0—"Il piccolo Marat" (Mascagni) from the Teatro Carlo Felice, Genoa. Conductor: Benvenuti. Chorus-Master: Milani. Cast: Luciano Donaggio, Gabriella Gatti, Galliano Masini, Giuseppina Sani, Domenico, Malatesta, Nicola Rakowsky, Gianetto Zini, Abele Carnevali, Enrico Molinari and Ottavio Marin. In the intervals, Talk; News.

VIENNA (Austria)
592 kc/s (506.8 m.); 100 kW.
Graz, etc. See Sunday.
Transmits at intervals from 5.45 a.m.
11.5 a.m.—Station Orchestra. Höbnerberg (Horn) and Drahozal (Violin). Overture, "Boccaccio" (Suppé). Waltz, Schwert und Leier (Strauss). Spanish Dance (Hrubý). Horn: Am alten Marktplatz (Mosheimer). Overture, "La belle Hélène" (Offenbach). Violin: Hungarian Fantasia (Lehar). Potpourri, Wiener Spaziergänge (Komzák). Teufelstanz (Hellmesberger).
12.0 noon—News.



Madame Wanda Wermínska (with the Warsaw accompanist, Professor Urstein). She sings operetta airs there at 8.50 p.m.

12.15 p.m.—Schumann Records.
1.0—Records of Franz Völker (Tenor).
1.30—News.
2.0—Announcements.
2.15—"Margareten" Mandoline Band.
3.0—News; Exchange.
3.5—Talk in Italian: Galla Placidia Imperatrice.
3.25—Reading from Dante's "Divine Comedy".
3.45—Winter Relief Concert (Records).
4.50—Talk: Austrian Petroleum Production in 1937.
5.0—Folk-Songs from the Konzerthaus.
5.20—Chamber Music.

5.35—A Visit to the Home of the Rainers, the Musical Family, at Uderns, Zillertal.
6.0—News.
6.10—Film Review.
6.30—Cecilia Hansen (Violin). Concerto in G minor (Vivaldi-Nachez). Adagio in A minor (Bach-Siloti). Rondo in D (Schubert). Hungarian Dance in B minor (Brahms). Caprice in E (Paganini-Vogrich). Rondo (Bazzini).
7.5—Light Music. Station Orchestra, Band and Strammel Ensemble. Conductor: Schönherr and Sandauer (Pfte.). Sophie Karst (Soprano), Willy Harrand (Baritone), Josef Schneider (Musical Saw). Bauernmarsch (Fall). Foxtrot (Berlin). Wenn mir der Zufall Champagner kredenzt, "Die Faschingssee" (Kálmán). Viennese Marching Song, Ja, wenn der Regen lauter Gumpoldskirchner wär' (Förderl). Ich steh' im Regen, "Zu neuen Ufern" (Benatzky). Serenade (Boulanger). Marigold (Mayerl). Concert Polka, Bärlin tanzt (Moosheimer). Song, Die ganze Welt dreht sich um Liebe (Lehar). Waltz, "The Last Waltz" (O. Straus). China Boy (Winfrec-Butelje). Wie schön sind die Nächte im Frühling in Wien (Silving). Polka, Klari-Fari (Steinbacher). Russian Rhapsody (Nussbaum). Manhattan (Engelman). Song, "Wiener Blut" (Strauss-Müller). Das Glück is a Vögel (Kratz). Erzherzog Johann-Jodler (Blon). Lied ohne Worte am Pianoforte, (b) Wenn man so wie einen Regenschirm vergessen könnt', die liebe Liebe. In der Arena (Grottsch). Spanish Waltz, "Die Tänzerin von Sevilla (Grunoff). Pieces (Stolz): (a) A klane Draherer, "Sperscherl", (b) Waltz, "Two Hearts and a Waltz Refrain". Gallop, Auf flotter Fahrt (Börschel).
8.35—The Trout Quintet (Schubert).
9.10—News.
9.20—Report: The 1938 International Skiing Championships.
9.30—Light Music by the Fald Quartet. Waltz, Ma bien aimée (Waldteufel). Im chambre separée, "Der Operball" (Heuberger). Serenade (Boulanger). Du alter Stephansturm (Brand-Kreiser). Tango, Ein Briefchen von dir (Zalden). Ich hab' einen Schwips (Gibish).
9.55—News.
10.0—Light Music (contd.). Potpourri, Wiener Silhouetten (Kunernth). English Waltz, Sweetheart (Romberg). Die grauen Augen (Kutschera). Maria Luise (Meisel). March, Siegesbanner (Blon).

WARSAW (Poland)
224 kc/s (1,339 m.); 120 kW.
Cracow, etc. See Sunday.
Transmits at intervals from 5.15 a.m.
10.15 a.m.—Songs for Schools.
10.40—Liszt Records.
10.57—Fanfare.
11.30-12.0 noon—To be announced.
2.30 p.m.—Economic Notes.
2.45—For Children.
3.15 (from Lwów)—Huculy Choir, Conductor: Kotek.
3.50—Topical Talk.
4.0 (from Wilno)—"Romanowski"—Sketch (Gorski).
4.15—Niemczyk (Violin). Rondo capriccioso (Saint-Saëns). Berceuse (Fauré). Caprice (Paganini-Niemczyk). Canzonetta (Tchajkovsky). Krakowiak (Paderewski). Valse brillante (Chopin-Niemczyk). Zapateado (Sarasate).
4.50—Programme Notes.
5.0—Sports Notes.
5.10—Social Notes.
5.15—Gracie Fields Records.
5.30—Programme Notes.
5.35—For Country People.
6.0—For Poles Abroad: (a) "Snow and Ice"—Sequence (Sojecki). Music by Kowalik; (b) Talk: The New Poland.
6.50—Topical Talk.
7.0—Dzierzowski Polish Ensemble.
7.45—News.
7.55—Topical Talk.
8.0—"The January Insurrection"—Seventy-Fifth Anniversary Programme.
8.50—Operetta and Dance Music. Station Orchestra, Conductor: Górzynski; Wanda, Wermínska and Witas (Songs).
9.50-10.0—News.

STATIONS IN ORDER OF FREQUENCIES AND WAVELENGTHS

kc/s	m.	kW	Station	kc/s	m.	kW	Station	kc/s	m.	kW	Station
152	1973.5	5	Ankara (Turkey)	722	415.4	1	Fredrikstad (Norway)	1131	265.3	100	Hörby (Sweden)
153	1961	7	Kaunas (Lithuania)			0.1	Assiut (Egypt)			7	Turin (No. 1) (Italy)
		150	Hilversum (No. 1) (Holland)	731	410.4	3	Madrid (EAJ2) (Spain)	1140	263.2	10	Genoa (No. 1) (Italy)
160	1875		(10 kW only until 2.40 G.M.T.)			5.5	Seville (Spain)			10	Trieste (Italy)
		150	Radio-Romania (Romania)	740	405.4	100	Tallinn (Estonia)	1149	261.1	20	LONDON NATIONAL
166	1807	150	Lahti (Finland)	749	400.5	100	Munich (Germany)			20	NORTH NATIONAL
172	1744	500	Moscow (No. 1) (U.S.S.R.)			1	Marseilles (PTT) (France)			50	SCOTTISH NATIONAL
182	1648	80	Radio-Paris (France)	758	395.8	12	Pori (Finland)	1158	259.1	10	Kosice (Czechoslovakia)
185	1622	5	Istanbul (Turkey)	767	391.1	60	Katowice (Poland)	1167	257.1	15	Monte Generi (Switzerland)
187.5	1600	20	Irkoutsk (U.S.S.R.)			70	BURGHEAD	1176	255.1	10	Copenhagen (Denmark)
191	1571	60	Deutschlandsender (Germany)				SCOTTISH REGIONAL	1185	253.2	60	Nice-Côte d'Azur (France)
200	1500	140	DROITWICH			0.25	Sortavala (Finland)			0.5	Cassel (Germany)
208	1442	35	Minsk (U.S.S.R.)	776	386.6	10	Stalino (U.S.S.R.)	1195	251	2	Coblentz (Germany)
216	1389	16	Reykjavik (Iceland)			120	Toulouse (PTT) (France)			25	Frankfurt (Germany)
217.5	1379	150	Motala (Sweden)	785	382.2	120	Leipzig (Germany)			5	Freiburg-im-Breisgau (Ger.)
224	1339	100	Novosibirsk (U.S.S.R.)	795	377.4	7.5	Barcelona (EAJ1) (Spain)	1204	249.2	5	Prague (No. 2) (Czechoslovakia)
		120	Warsaw (No. 1) (Poland)			5	Lwów (Poland)	1213	247.3	60	Lille(Radio PTT Nord)(France)
232	1293	150	Luxembourg	804	373.1	70	PENMON (Anglesey)	1222	245.5	0.3	Narvik (Norway)
		100	Moscow (No. 2) (U.S.S.R.)	814	368.6	50	WELSH REGIONAL			60	Rome (No. 2) (Italy)
240	1250	60	Kalundborg (Denmark)	823	364.5	12	Milan (No. 1) (Italy)	1231	243.7	5	Görlitz (Germany)
		0.5	Vienna Experimental(Austria)			1.5	Bucharest (Romania)			5	Gleiwitz (Germany)
248	1209.6	100	Kiev (No. 1) (U.S.S.R.)	832	360.6	35	Agén (France)	1235	242.9	1	Cork (Irish Free State)
253	1186	10	Vigra (Aalesund) (Norway)			0.4	Kiev (No. 2) (U.S.S.R.)	1249	240.2	17	Saarbrücken (Germany)
256.4	1170	25	Tashkent (U.S.S.R.)				Rueil-Malmaison (Radio 37) (France)			1	Bilbao (EAJ8) (Spain)
260	1153.8	60	Oslo (Norway)	841	356.7	100	Berlin (Germany)	1258	238.5	15	Riga (Latvia)
271	1107	100	Leningrad (No. 1) (U.S.S.R.)			100	Sofia (Bulgaria)			1	Florence (No. 2) (Italy)
282	1055	10	Tromsø (Norway)			10	Bodö (Norway)	1267	236.8	2	Nürnberg (Germany)
283	1060	35	Tiflis (U.S.S.R.)	850	352.9	1	Porsgrund (Norway)	1276	235.1	27	Radio-Méditerranée (France)
			Band No. 2. 300-500 kc/s.			10	Stavanger (Norway)			2	Varna (Bulgaria)
300	1000		Moscow (V.C.S.P.S.)			3	Valencia (Spain)	1285	233.5	1	ABERDEEN
340	882.3	20	Saratov (U.S.S.R.)	859	349.2	10	Simferopol (U.S.S.R.)			0.25	Dresden (Germany)
347	864	10	Finmark (Norway)			100	Strasbourg (France)	1294	231.8	5	Klagenfurt (Austria)
350	857.1	10	Archangel (U.S.S.R.)	868	345.6	16	Poznan (Poland)			5	Vorarlberg (Austria)
355	845.1	20	Rostov-on-Don (U.S.S.R.)	877	342.1	70	LONDON REGIONAL	1303	230.2	0.5	Danzig (Danzig Free City)
359.5	834.5	18	Budapest (No. 2) (Hungary)	886	338.6	15	Graz (Austria)			0.25	Karlstad (Sweden)
375	800	40	Sverdlovsk (U.S.S.R.)			15	Linz (Austria)			2.5	Malmö (Sweden)
390	769	10	Voronezh (U.S.S.R.)	895	335.2	10	Helsinki (Finland)	1312	228.7	0.25	Norrköping (Sweden)
		0.6	Boden (Sweden)			1.5	Limoges (PTT) (France)			0.25	Trollhättan (Sweden)
392	765	30	Banská-Bystrica (Czecho.)	904	331.9	100	Hamburg (Germany)	1321	227.1	1.25	Magyaróvár (Hungary)
			(Power 15 kW after 5 p.m.)			10	Dnepropetrovsk (U.S.S.R.)			2	Bremen, Hanover, Kiel, Stettin (Germany)
401	748	1.3	Geneva (Switzerland)	913	328.6	60	Toulouse (Radio - Toulouse) (France)	1330	225.6	0.5	Magdeburg (Germany)
413.5	726	100	Moscow (No. 3) (U.S.S.R.)			32	Brno (Czechoslovakia)	1333.3	225		Thessaloniki (Greece)
		0.6	Östersund (Sweden)	922	325.4	15	Brussels (No. 2) (Belgium)	1339	224	2	Lódz (Poland)
431	696	10	Oulu (Uleaborg) (Finland)	932	321.9	12	Algiers (North Africa)			1.5	Montpellier (PTT) (France)
			Band No. 3. 500-1,500 kc/s.	941	318.8	10	Göteborg (Sweden)			0.5	Cairo (No. 2) (Egypt)
518	579	0.5	Tartu (Estonia)			100	Breslau (Germany)			0.5	Dublin (Irish Free State)
519	578	0.7	Hamar (Norway)	950	315.8	60	Poste Parisien (France)	1348	222.5	2	Königsberg (No. 2) (Germany)
		1	Innsbruck (Austria)	959	312.8	30	Bordeaux-Sud-Ouest (France)			0.15	Rjukan (Norway)
527	569.3	6.3	Ljubljana (Yugoslavia)	968	309.9	10	Odessa (U.S.S.R.)			2	Salzburg (Austria)
		10	Viipuri (Finland)			100	NORTHERN IRELAND REGIONAL			0.7	Tampere (Finland)
536	559.7	10	Bolzano (Italy)	977	307.1	50	Bologna (Radio - Marconi) (Italy)	1357	221.1	0.3	Notodden (Norway)
		50	Wilno (Poland)			24	Torun (Poland)			5	Genoa (No. 2) (Italy)
546	549.5	120	Budapest (No. 1) (Hungary)			60	Hilversum (No. 2) (Holland)			0.2	Turin (No. 2) (Italy)
556	539.5	100	Beromünster (Switzerland)	1004	298.8	13.5	Bratislava (Czechoslovakia)	1366	219.6	2	L'Ile de France (France)
		100	Athlone (Irish Free State)	1013	296.2	4	Chernigov (U.S.S.R.)	1375	218.2	0.5	Basle (Switzerland)
565	531	10	Klaipeda (Lithuania)			70	MIDLAND REGIONAL	1384	216.8	7	Warsaw (No. 2) (Poland)
		3	Palermo (Italy)	1022	293.5	3	Barcelona (EAJ15) (Spain)	1393	215.4	25	Radio-Lyons (France)
574	522.6	100	Stuttgart (Germany)			2	Craew (Poland)	1402	214	2	Stara-Zagora (Bulgaria)
583	514.6	20	Alpes-Grenoble (PTT) (France)			0.7	Oviedo (Spain)	1420	211.3	10	Vaasa (Finland)
592	506.8	100	Vienna (Austria)	1031	291	100	Königsberg (No. 1) (Heilsberg) (Germany)	1429	209.9	0.5	Alexandria (No. 2) (Egypt)
		15	Athens (Greece)			5	Parde (Portugal)			2.5	Kaiserslautern (Germany)
601	499.2	25	Rabat (Morocco)	1040	288.5	10	Leningrad (No. 2) (U.S.S.R.)	1438	208.6	0.5	Turku (Finland)
		10	Sundsvall (Sweden)	1050	285.7	120	Rennes-Bretagne (France)	1456	205	1.25	Miskole (Hungary)
610	491.8	20	Florence (No. 1) (Italy)	1059	283.3	20	W. OF ENGLAND REG'L.			7	Eiffel Tower (Paris) (France)
620	483.9	15	Brussels (No. 1) (Belgium)	1068	280.9	12	Bari (No. 1) (Italy)	1465	204.8	0.1	Antwerp (Belgium)
625	480	20	Cairo (No. 1) (Egypt)	1077	278.6	35	Radio-Cité (Paris) (France)			0.1	Coutra (Belgium)
			Samara (U.S.S.R.)	1086	276.2	2	Tiraspol (U.S.S.R.)	1474	203.5	1.25	Pées (Hungary)
629	476.9	20	Christiansand (Norway)			0.7	Bordeaux-Lafayette (France)			1	BOURNEMOUTH
		15	Lisbon (Emissora Nacional) (Portugal)	1095	274	5	Falun (Sweden)	1487	201.7	0.3	PLYMOUTH
		20	Trondelag (Norway)			5	Zagreb (Yugoslavia)			0.1	Binche (Belgium)
638	470.2	120	Prague (No. 1) (Czechoslovakia)	1104	271.7	10	Madrid (EAJ7) (Spain)	1492	201.1	0.1	Châtelineau (Belgium)
648	463	100	Lyons (PTT) (France)			10	Salamanca (Spain)			0.1	Nimes (France)
		10	Petrozavodsk (U.S.S.R.)	1113	269.5	10	Vinnitsa (U.S.S.R.)			0.5	Santiago (Spain)
653	455.9	100	Cologne (Germany)			11.2	Kuldiga (Latvia)			0.1	Wallonia (Belgium)
668	449.1	20	Jerusalem (Palestine)	1122	267.4	15	Naples (Italy)	1500	200	0.1	Liège Experimental, Radio-Cointe (Belgium)
		70	NORTH REGIONAL				Moravská-Ostrava (Czecho.)			0.25	Pictersaari (Finland)
677	443.1	100	Sottens (Switzerland)			60	Radio-Normandie (Fécamp) (France)			0.2	Radio-Alcalá (Spain)
686	437.3	20	Belgrade (Yugoslavia)			0.5	Alexandria (No. 1) (Egypt)	1530	196	0.1	Seraing, Verviers, Wallonia (Belgium)
695	431.7	120	Paris (PTT) (France)			6.25	STAGSHAW (Newcastle) (U.S.S.R.)	1734	173	0.2	Karlskrona (Sweden)
704	426.1	55	Srockholm (Sweden)				Nyiregyháza (Hungary)			0.1	Liepaja (Latvia)
713	420.8	50	Rome (No. 1) (Italy)								
		1	Bergen (Norway)								
722	415.4	17	Hilversum (Lopikerkapel) (Holland) (Relays Hilversum No. 1)								
		10	Kharkov (U.S.S.R.)								

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