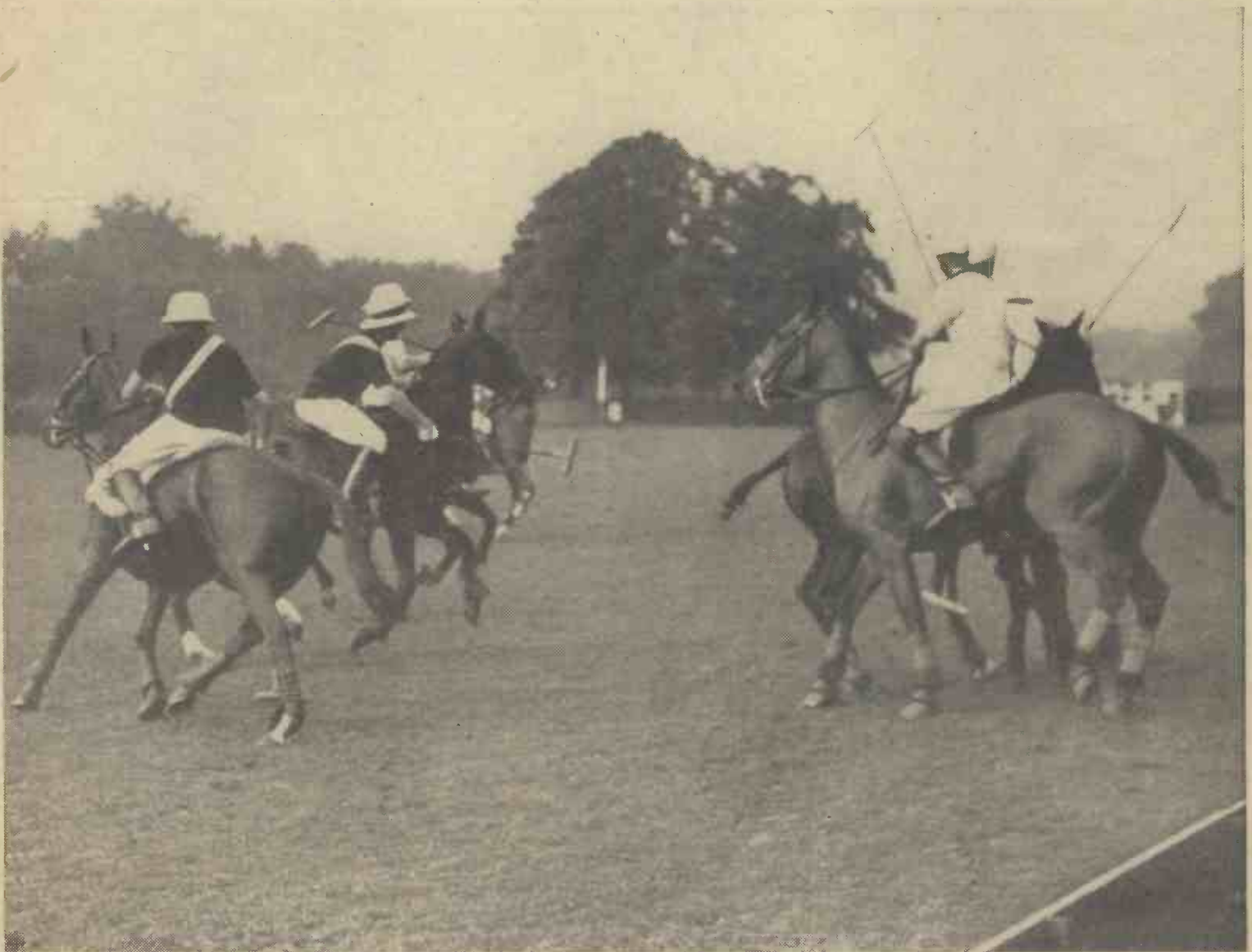


# World-Radio

THE BBC FOREIGN PROGRAMME JOURNAL ★ EVERY FRIDAY **2<sup>D</sup>**

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H.M. the King of Sweden, whose 80th birthday will be celebrated on Thursday next.

# THE PICK of the PROGRAMMES

a charming personality and a keen sense of humour. On one occasion, when touring with his orchestra, the programme contained Schubert's *Forellen-Quintett*. Much to his surprise and embarrassment, the next day there arrived at his hotel a consignment of live trout. It had been sent by an enthusiastic lady admirer of his art. Nikisch was highly amused. He promptly sat down and wrote the following acknowledgment: "Dear Madam—Please accept my heartiest thanks for the handsome gift of live trout. May I inform you that at my next concert, in a fortnight's time, Haydn's *Ochsen-Menuett* will be included in the programme?" History does not record whether the beef duly arrived.

rheumatic illnesses, to which his subjects have subscribed, will be offered to his Majesty at 11 a.m. by the Prime Minister.

June 16 will be a busy day for his Majesty, who will be rowed to the famous Town Hall in his State Barge, afterwards driving through Stockholm to the Olympic Stadium to receive an expression of national homage. In the evening a record-review of the celebrations of the great day will be broadcast.

Parts of the King's birthday ceremonies will be relayed to all the Scandinavian countries, to Germany, and to the United States of America.

## The Scheveningen Season

ONCE again the season of broadcasts from Continental seaside resorts has come round, and the first of the concerts from the Kurhaus, Scheveningen, will be transmitted from Hilversum 2 at 2.40 p.m. on Sunday. In past years listeners have derived great pleasure from these Scheveningen broadcasts. Whether it was due to the acoustic, artistic, or technical arrangements or to a combination of all three, the result was invariably the same: great enjoyment for the listener. As in past years, the Hague Orchestra, under its conductor, Ignaz Neumark, and under distinguished guest conductors, will again officiate. Next Sunday's programme includes Wagner's *Meistersinger* overture, a Haydn Pianoforte Concerto, and Sibelius's symphonic poem, *Finlandia*.

## King Gustaf 80 Years Old

SWEDEN is looking forward to a great day on Thursday, when the venerable King Gustaf V will celebrate his 80th birthday. The whole country is preparing to celebrate the occasion, and most of the public festivities will be broadcast. The previous day, June 15, will bring a historical feature-programme, a "scrap-book" of Sweden under Gustaf V. At midnight the Crown Prince will be the first to congratulate the King in a broadcast speech from a banquet at the Royal Castle.

Sweden's national tribute to the King, a fund for combating infantile paralysis and

## Baroque Music from Prague

PRAGUE, the Czechoslovak capital, is known as one of Europe's most beautiful cities. The Baroque churches and palaces, gardens and terraces which are to be found in large numbers within its walls add, in no small degree, to its beauty. One of the most attractive of these buildings is the Wallenstein Palace, where an exhibition of Baroque art is now being held; a series of concerts of Baroque music is to be given in the grounds. Two of these will be broadcast during next week, at 9.15 p.m. on Wednesday and Saturday. At the same time on Thursday a programme of sacred Baroque music will be broadcast from the Loretta Church. This building is the finest example of Baroque period churches that can be seen in a city where beautiful architecture abounds. Yet another transmission of music of that period will be heard at 5.15 p.m. on Friday. This will come from the largest of Prague's Baroque palaces, the Czernin Palace, now housing the Foreign Office.

## A French-German "Axis"

THE exchange broadcasts between France and Germany will take yet another step forward on Monday next. At 8.30 p.m., Radio-Paris is to transmit a concert, the first part of which, consisting of French music, will be shared by most German stations. The National Orchestra, directed by its permanent conductor, D. E. Inghelbrecht, will begin the programme with Debussy's *La Mer*, a work which shows the composer's genius at its best. In writing of this composition Debussy said on one occasion: "You may not know that I was destined for a sailor's life and that it was only quite by chance that Fate led me in another direction. But I have always retained a passionate love for her [the sea]." The first part of the concert will conclude with a Florent Schmitt oratorio.



EVA ANSCHÜTZ, who is appearing in "Dance Music all over the World" at Leipzig on Wednesday (see page 4, column 1).

## Schubert's "Trout" Quintet

THE broadcast on Monday of Schubert's *Trout Quintet* (from Hilversum 2 at 6.40 and from Paris PTT at 9 p.m.) reminds me of a story told of that great orchestral conductor, Arthur Nikisch. A fine artist, he had also

## Polish Music Festival

Two concerts of the Polish Music Festival, now being held at the Wawel Castle, at Cracow, will be broadcast from Warsaw at 8 p.m. on Tuesday and Wednesday. And, while the first is devoted entirely to Szymanowski, a symphony by Paderewski constitutes the earlier part of the second. One of the outstanding personalities of our age, Paderewski has a place of honour in history not only as a great musician, but as a statesman of broad-minded enlightenment and courageous, self-sacrificing patriotism. His career as a concert pianist is too well known to need recalling to British music-lovers, but in this country his own original music has not had anything like the success which it has earned abroad. Listeners will, therefore, welcome the opportunity on Wednesday next of renewing acquaintance with one of his symphonies.

ALL-WAVE



FREDDA GIBSON, one of the stars of "Your Hit Parade," the CBS programme relayed from the Wayne short-wave station (Sundays 3 a.m. B.S.T.).

### THE WORLD'S DANCE MUSIC

ON June 15 Leipzig will broadcast an entertaining programme of "Dance Music over the World," at 7.10 p.m. For two hours listeners will be given the more outstanding types of dance tunes from everywhere. From tango to English waltz, from polonaise to waltz; the tarantella from Spain, the czardas from Hungary, a jig from Ireland: all will be represented. Rio Kube, the opera tenor, is the male soloist. He started life as a lyrical tenor, and now boasts of being able to sing anything from Bach to Meisel (a modern German dance composer). He has had permanent engagements at nearly every German opera-house. For many years Rio Kube has regularly appeared in a large number of short-wave stations' programmes and has considerable fan-mail from all over the world.

### "SOIRÉES TOURNANTES"

THE "Soirées Tournautes" given by Radio-Paris, Paris PTT, and the Eiffel Tower, in collaboration, every Saturday night, are well worth listening to. Each station gives a dramatic selection, a musical concert, and a variety entertainment, from 8.30 to 10.30 p.m., with two, and sometimes three, stations taking part. They do not clash with each other, and a listener can devote his evening to the type of entertainment he prefers by a turn of the switch at the appropriate moment. The artists taking part are among the best in France, and the programmes are chosen with great care. There is always a theme for one or more of the section, and the *Three Coquettes* programme of June 18 is particularly attractive, with Marie Bell in *Célimène* (based on *Le Misanthrope*, by Molière), Edwige Feuillère, in *La Locandiera* (Goldoni), and Spinelly in *La Périchole* (based on *Le Carrosse du Saint-Sacrement*, by Prosper Mérimée). Needless to say, only fragments of these plays are given in the short time available.

# THE WORLD

## Dance Music of all Nations

### MINISTER OF P.T.T.'s PLANS

WITHIN recent years, every Minister of P.T.T., when he has settled down to his work, has made plans with regard to broadcasting, though few of them have stayed in office long enough to see their plans brought into operation. However, some of the schemes have materialised in course of time. Like his predecessors, M. Jules Julien, has drawn up plans, and these include the construction of a Broadcasting House, on a site of 8,000 square metres which has already been selected. He also intends to reorganise French short-wave broadcasting, with the object of bringing France to the forefront in the broadcasting world. He has a further scheme for the formation of regional orchestras recruited by competition, in order to develop the musical culture of the provinces.

### SWEDEN—FINLAND—U.S.A.

DURING the forthcoming visit to the United States of Crown Prince Gustav Adolf of Sweden (referred to in these columns last week), he will speak over the NBC Blue Network, on Monday, June 27, as will also Mr. Rudolf Holsti, Finland's Minister for Foreign Affairs, as well as President Roosevelt, Mr. Cordell Hull, and other representatives of the United States, in two programmes commemorating the 300th anniversary of the landing of the first Swedish and Finnish colonists in America.

Both programmes will be relayed on short waves by W3XAL, W2XAD, and W8XK. During the first broadcast—from 3.30-4.0 p.m. B.S.T.—the President will accept monuments from Sweden and Finland for the States of Delaware and Pennsylvania, which originally were settled by natives of those countries. He will then present them to Governor McMullen of Delaware and Governor Earle of Pennsylvania. The broadcast will originate from the site in Wilmington where the colonists landed in 1638.

The Crown Prince and the Finnish Minister will be heard again over the NBC Blue Network and affiliated short-wave stations later the same day, from ceremonies in which Mr. Cordell Hull will participate. The broadcast will be from 8-8.45 p.m. B.S.T.



THE SCHOOL FOR BRIDES, recently opened in Germany, evidently includes listening in its curriculum. This should be of special interest to potential bridegrooms.

### RADIO EIREANN—B BEE C

HITHERTO Radio Eireann has escaped being "stung" by the spelling bee, but the Eire broadcasting authorities have now engaged an Irish team to compete with a British team in a spelling bee to be held under the auspices of the BBC on June 12 from 12.30 p.m. to 1.15 p.m. The Irish team will include a member of the Dail (the Irish Parliament), a journalist, a Civil Servant, an undergraduate, a playwright, a woman musician, and a "listener." The composition of the British team will be similar. Radio Eireann has just concluded a popular "Question Time" series in which all sorts and conditions of persons were subjected to general knowledge questions before the microphone.

### GETTYSBURG PROGRAMMES

PRESIDENT ROOSEVELT will deliver an address on Sunday, July 3, in connection with the observance (from June 29 to July 6) of the 75th anniversary of the Battle of Gettysburg. During the celebrations the NBC will broadcast a series of special programmes of the historic event. The President's speech will form the climax of a series of talks by prominent Government officials.

### PERSONALITY CORNER

#### Miloslav Kabelác



twenty-nine years old, is known in Czechoslovakia as a fervent admirer and conductor of English classical music. A brilliant pianist and a promising composer and conductor, from the Academy of Music, he has become an important member of the music department of the Czechoslovak broadcasting service.

Kabelác's chamber music choir is celebrated. His orchestra and choir give regular performances of Bach cantatas. The members of his choir were very often pitted, for he is a hard taskmaster, though he works no one harder than he works himself, but the common bond of music and the high reputation they have won have brought him the ready co-operation of everyone, so that thirty rehearsals for a broadcast concert of thirty minutes is now accepted by all as a matter of necessity.

Many orchestral concerts, and especially a public performance of Stravinsky's *Les Noces*, have assured Kabelác of a place among the foremost Czech conductors. Recently he added to his successes a performance of Monteverdi's opera *Orpheus*. He has received many letters of appreciation of his work from modern composers. Not many musicians of his age can have met with such quick recognition. Though frail-looking, he is one of the most energetic of men. And no doubt the mathematical talents which he possesses stand him in good stead as a musician, for he plans his work with the greatest precision and economy of time and effort.

# OF RADIO

## Jazz "Banned" from Vienna

### RADIO ON ROYAL TRAIN

THE Royal train, in which the King and Queen will travel during their visit to France this month, is being equipped with a complete wireless installation. There will be amplifiers and loudspeakers, working from an up-to-date receiver, in all the compartments.

Special care is being taken to obviate electrical interference.

### CHANGES IN VIENNA

VIENNA, which, on six nights a week, relays the programmes of other German stations, will broadcast no more jazz music, according to an article in the Vienna edition of the *Völkische Beobachter*. Programmes begin now every morning at 6 a.m., and there is a 21 hours' uninterrupted service. There is to be much more music in the evenings than formerly, and "longwinded" lectures by "unknown" people who can "interest only a small number of hearers" will never be allowed again.

No Jews will be allowed to take part in the programmes at all, and it is pointed out that the principal men in the scientific department, who were responsible for science features in the Ravag programmes—Dr. Henz, Dr. Guggenberger, and Dr. Ubelhör—were not Jews, but Aryans. The news services have been extended, and a great amount of time is allotted to propaganda and political speeches.

### PULITZER PRIZE DRAMAS

A SERIES of plays which have been awarded the Pulitzer Prize—the most coveted award in American drama—are scheduled by the NBC for weekly presentation during their summer season, which has just opened, in adapted form to fit into a one-hour transmission each Thursday.

The three-months' series includes three of Eugene O'Neill's—*Beyond the Horizon*, *Anna Christie*, and *Strange Interlude*. The last-named play is twice the length of usual Broadway productions and will be performed in two separate broadcasts.

### WOMAN DIPLOMAT'S TALKS

MRS. RUTH BRYAN ROHDE, former United States Minister to Denmark and daughter of the late Mr. William Jennings Bryan, began, last Wednesday, the first of the regular series of broadcasts entitled "It's News to Me."

Mrs. Rohde's talks will be heard weekly, from 12.30 to 12.45 a.m. (Tuesday), over the NBC Red Network and will take the form of "human" commentaries on national and international affairs as viewed by a person with her cultural background, world knowledge, and diplomatic experience.

Mrs. Rohde began her speaking career by making campaign appeals for her father when he was fighting for the Presidency of the United States. Since then her career has been peppered with "firsts." Her appointment as Minister Plenipotentiary and Envoy Extraordinary to Denmark in April, 1933, gave her the further distinction of being America's first woman diplomat.

### "CRADLE SONG" FOR ROYAL BABY

THE dedication of a new "Cradle Song" composed, on the occasion of the birth of Princess Beatrix, by Herbert Antcliffe, the English musician-journalist now resident at The Hague, has been "gratefully accepted" by their Royal Highnesses Princess Juliana and Prince Bernhard of the Netherlands. The song is a setting for mezzo-soprano of words by Clemens Brentano, many of whose poems were used by Brahms, Mahler, and other nineteenth-century composers. The Cradle Song, however, does not appear to have been set to music before now. Mr. Antcliffe's "O Salutaris" has recently been sung by the KRO "Small Choir."

### "EMIGRATING" TO BERLIN

FEW people know that near Berlin there is a whole series of villages with curious names: Ceylon, Jamaica, Hampshire, Malta, Corsica, etc. These owe their origin to Frederick the Great. He became aware that many of his subjects were filled with a desire to emigrate. This would not quite do—but why not give them at least some of the sensation of moving to a new country? A piece of land in fresh surroundings—call it Ceylon (where "only man is vile"), and, though the "new" land was within the environs of Berlin, both parties should be satisfied.

Berlin will broadcast an interesting description of these foreign name villages on June 16 from 5.30 to 6 p.m.

### A SURREALIST BROADCAST

*Surrealism*, a modern, highly experimental play, which NBC are presenting tomorrow, Saturday, June 11, is in essence a criticism of the machine age. A mechanical larynx that announces the movement of a lift, and the robot hand which controls a manufacturing process are given speech and life respectively, and are "challenged" by a young playwright.

This happens at the precise moment that the young author takes a girl to call upon a young man with whom she is in love, but who



MARGARETE TESCHEMACHER, of the Stuttgart Opera House, who will sing the principal part in Johann Strauss's "The Gipsy Baron." The operetta will be broadcast from Stuttgart at 8 p.m. on Sunday.

has found it imperative to live in Greenwich Village (New York's Bloomsbury) and try his hand at surrealist painting. The broadcast will be directed by James Church.

### BRUNO WALTER AND AUSTRALIA

ACCORDING to the *Radio Call*, of Adelaide, it is reported that the Australian Broadcasting Commission has made an offer to the celebrated conductor, Dr. Bruno Walter, to come to Australia. "Now that Bruno Walter has been forced to leave Vienna, it is possible that he will be able to accept this offer. Because of its commanding position and its resources, the ABC has taken control of almost the whole of the organised orchestral music of Australia.

"If Bruno Walter can be persuaded to come here, knowing that his appointment in Vienna has been terminated, this young country will be able to claim the distinction of having a national orchestral conductor who is regarded as possibly the second greatest in the world."

## DO YOU KNOW THE ANSWERS?

The following questions are all based on subjects which should be familiar to readers of *WORLD-RADIO*. They are intended not only to be a test of observation, but to provide some diversion for the family circle. The answers will be found on page 7.

1. What is the European standard of the speed of light? Is this speed universally accepted? If not, state any exceptions.
2. Are the standard times of the following countries in advance of, similar to, or behind G.M.T.?—(a) Philippine Islands; (b) Sandwich Islands; (c) Portugal; (d) Fiji Islands.
3. With what do you connect: (a) Paul Wing; (b) Edward Startz; (c) Father Lhande; (d) John-Barbirolli?
4. In which countries are the following transmitters situated?—(a) Nyiregyhaza; (b) Sor-tavala; (c) Stara-Zagora; (d) Vigna.
5. After which town is the present European wavelength Plan called?
6. Who wrote the following: (a) *La Gioconda*; (b) *Nero*; (c) *Boris Godunov*?
7. Name five Russian broadcasting stations whose consecutive initials form the name of a sixth.

Questions 1, 2, and 3 submitted by J. E. Lugg, 390, Wimbledon Park Road, S.W.19.

Questions 4, 5, and 6 by Kevin Jordan, 1, Brookville Park, Malahide Road, Koolock, Co. Dublin, Eire.

Question 7 by Robert H. Miller, 63, Kingscourt Road, Streatham Hill, S.W.16.

## PIONEERS OF BROADCASTING—11

## MARCHESE MARCONI

*Guglielmo Marconi would have been the last to claim for himself the title of "the inventor of wireless." Nevertheless, by his devotion to the science he had made his own and by his vision he made his name and Radio almost synonymous terms.*

**G**UGLIELMO MARCONI was born at the Marescalchi Palace, in Bologna, on April 25, 1874, the son of an Italian father and an Irish mother. His father, Giuseppe Marconi, an able business man of independent means, had married twice, his second wife being an Irish girl, Anna Jameson, the youngest daughter of Andrew Jameson, a whisky distiller, of Dublin. Anna had gone to Bologna to study music, and there met her future husband. Their marriage was a particularly happy one, and two children were born: Alfonso, in 1865—who died only two years ago in London—and Guglielmo, in 1874.

Young Marconi's boyhood was passed on his father's estate near Bologna, but, unlike most boys, he never attended a public school or a University. Instead, his father engaged a private tutor, but, whatever he may have been able to teach, the tutor could not supply the rough-and-tumble

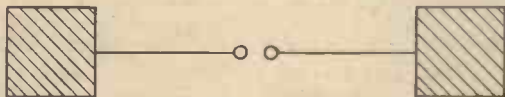


Fig. A—Hertzian oscillator; two metal rods with "spark balls" and capacity plates.

element of a boys' school, and Marconi's retiring and somewhat unapproachable personality in later life can undoubtedly be traced to the lack of companions in boyhood.

During the summer of 1894, while on holiday in the Alps with his step-brother Luigi, Marconi, who was then twenty years of age, happened to pick up an electrical journal in which was a popular article describing the work of Hertz, who, it will be remembered, had died in January of that year. The article told of how electromagnetic waves are radiated from an oscillator and how little sparks appeared in the tiny gap of a metal loop on the other side of the room, even though there were no connecting wires. The apparatus described was all extremely simple, but the results were then so extraordinary and unexpected that they might well have aroused interest and enthusiasm in any boy. Marconi's one concern was to repeat the experiments and see how far away he could detect the waves.

On returning home, he lost no time in obtaining the necessary apparatus, and, assisted by his elder brother Alfonso, he attempted to repeat Hertz's experiments. At first his results were not spectacular, and for more than a month he failed completely. At length, however, his perseverance prevailed, and he was able to ring a bell on the ground floor by pressing a button in his "laboratory" on the third floor without having any connecting wires. It should be noticed, however, that up to this stage, and, in fact, for another two or three years, he was only repeating experiments which had previously been made by others. Sir Oliver Lodge, for example, had transmitted

signals nearly two hundred yards through two thick stone walls during his lecture to the British Association in August, 1894, before Marconi had even heard of Hertzian waves.

It is important to remember that Marconi had had no special scientific training, and his knowledge of contemporary science was only that which any boy might have picked up from reading popular journals. Fortunately, however, he was acquainted privately with Professor Righi, of Bologna

by G. R. M. GARRATT, M.A.

University, who was keenly interested in Hertzian wave phenomena and who had himself repeated and developed Hertz's experiments. Professor Righi was thus able to explain the phenomena to Marconi and to advise him in regard to his experiments. At this stage, however, Marconi's interest in wireless was much more that of an amateur with some new and interesting hobby than of a scientist with an eye on research or on its commercial application.

Gradually, however, his experiments became bolder, and when he succeeded in sending signals from his third-floor workshop to a receiver in the garden, his father offered to provide a sum of about £200 to pursue the experiments further and to test the commercial possibilities. Obviously, the first big problem was the range to which the waves would travel.

In his efforts to obtain greater range, Marconi made one all-important improvement in the oscillator as used by Hertz. Hertz's oscillator consisted of a pair of brass balls spaced about half an inch apart and



Marconi, with original apparatus—Hertz oscillator and coherer receiver—which he brought from Italy. (Photograph taken in 1896.)

connected to the terminals of an induction coil. To each of the balls was fixed a rod or wire which terminated in capacity plates, as shown in Fig. A. Marconi found that the longer and larger he made the arms of the oscillator, the farther away he could detect the waves. It was obviously not practical to extend the arms very far in a horizontal direction, so he placed them vertically instead, and connected one ball of the spark gap to the earth and the other to a large can or sheet of metal at the top of a vertical wire. This arrangement constituted the first aerial and earth system, and, by acting as an efficient radiator, it greatly increased the range obtainable, and thus made wireless a practical proposition for commercial purposes. The plain Hertz oscillator gave good results up to a few hundred yards, but the substitution of an elevated aerial and earth at once increased the range to several miles.

### Successful Experiments

There is a story that Marconi, in testing the range of his apparatus, fitted up a receiver on the side of a hill about a mile from the house. His brother Alfonso took charge of the receiver, and it was arranged that he should wave a flag if the signals arrived. In due course Marconi pressed the key and, to his relief, his brother immediately gave the answering signal. The next step was to ascertain whether the signals would pass through or over the hill, so Alfonso was told to move the receiver round to the other side of the hill. This time he was given a gun and asked to fire a shot in the air if the receiver worked. Again Marconi pressed the key, and a few seconds later there came the answering report of his brother's gun.

It seemed to Marconi that the time had come to launch wireless commercially, and so he offered his work to the Italian Government, who promptly declined it. They probably thought that a boy of only twenty-one could have no scheme worthy of their consideration! Marconi, however, considered that wireless signalling was likely to be of most value to ships at sea, and as England was the greatest seafaring country he decided to come to England. Accompanied by his mother, he arrived in London early in 1896 and secured a personal introduction to Sir William Preece, who was then the Chief Engineer of the Post Office. To Preece and other officials of the Post Office Marconi gave a demonstration of

(Continued in column 3, page 7)



Marconi's first experimental tuned transmitter, demonstrated in 1899, which formed the basis of the famous "four sevens" patent.

READERS' FORUM

# W2XE and W3XAU: Time Lag

SIR,—Between 2 and 2.30 a.m. on Sunday morning, May 29, I was listening simultaneously to W2XE (New York), on 25.36 m., on one radio receiver and to W3XAU (Philadelphia), on 31.28 m., on another receiver.

Both stations are owned and operated by the Columbia Broadcasting System, and both were relaying the same programme ("Professor Quiz's" General Knowledge Bee) from the main medium-wave station, WABC, but reception from W2XE was definitely ahead of that from W3XAU—only a fraction of a second, but long enough to be clearly noticeable.

Can any reader give the reason for this phenomenon? The only explanation I can think of is that, owing to the difference in wavelengths, the waves from the two stations took different paths, those from W3XAU travelling much farther than those from W2XE. Nevertheless, I find it hard to convince myself that this could account for a time lag long enough to be audibly noticeable.

W2XE was transmitting on an aerial beamed to South America; W3XAU on, I believe, a non-directional aerial.

London, W.4, May 30. EDGAR JACKSON.

## THE FRENCH STATIONS

In your list of stations I recently observed that several French transmitters had changed their power. Among these were Agen, Bordeaux-Sud-Ouest, Bordeaux-Lafayette, and Montpellier. Particularly interesting was that relating to the two Bordeaux stations, since Bordeaux-Sud-Ouest—which, ordinarily, I found very difficult to receive—has, on one or two nights recently, swamped Poste Parisien! And Bordeaux-Lafayette also, which was very well received in the evening when using 13 kW, has seemed less powerful since using 60 kW. Montpellier has lately been giving better reception; but Agen, I fear, is often drowned by Stavanger. What is the explanation of this?

I may add that Radio 37 (0.4 kW) is receivable at fair strength all day, and yet I cannot receive either of the Toulouse stations or Lyons PTT in daylight. A further curious point is that French stations between 200-260 metres are always receivable before French stations on higher wavelengths, with the exception, of course, of Radio-Cité, Rennes-Bretagne, Poste Parisien, Agén, and Paris PTT, and though I can receive at any time of day L'Ile de France and Radio-Cité, Eiffel Tower does not put in an appearance until dusk!

ROBERT H. MILLER.

London, S.W.16, May 30.

## STATIONS' DECLINE IN POWER

Mr. P. G. A. H. Voigt's letter, regarding the decline in volume of new stations, in your June 3 issue is particularly interesting to me, as I chanced to be discussing this very matter with a friend a year or two ago. I remember he suggested that the cause of the phenomenon was that the earth system of the station—alternatively, simply the ground around the transmitter—tended to absorb cumulatively the radiations from the transmitting aerial, or at least to have a partial "cancelling" effect after a few months of operation.

Personally, I prefer this explanation to Mr. Voigt's until more evidence can be adduced in his support, because, although he states that this falling off in signal strength never, apparently, occurs in connexion with commercial stations, it certainly does occur in the case of short-wave broadcast stations. VK2ME, Sydney, is the outstanding case in this regard, and I recollect

reading in your columns a short time ago that, when first built, it used to put an amazing signal into Great Britain, while now, inexplicably enough, all its 20 kW are unable to cause it to be heard above about R4, except on rare occasions. Since the phenomenon has been observed, in this instance, to last for a number of years, I can hardly imagine that changing atmospheric conditions for the 31-m. band are alone responsible all this time. Besides, newer 31-m. Australian transmitters have not followed suit. Surely, Mr. Voigt would not suggest that there are a huge number of aeriols in the Sydney district (or anywhere else) that remain tuned to 31.28 m.

On the medium waves, I have noticed the effect especially on Leipzig, Hamburg, Prague 1, Beromünster, and Stuttgart, but the change to 500-metre wavelengths may have had something to do with the decline of the last two. On the long waveband, Luxembourg, Hilversum 1, and (most of all) Motala have suffered.

WILLIAM A. H. WELSMAN.

London, W.9. June 3.

## HARMONICS

When Radio-Normandie was on 269.5 m., I was always able to receive the 6th harmonic at approximately the same strength and programme value as the original, though I never noticed any other Radio-Normandie harmonics.

Since the change-over to 212.6 m., I have not tried for these harmonics until this afternoon. Now I find that the 6th harmonic in its new position is just clear enough to be recognisable. The much-discussed 7th harmonic, however, comes in with a wipe-out signal and much less interference than the original. There is slight fading, but the 7th harmonic certainly provides better reception than the fundamental. A search for other harmonics of this station has added nothing else to the bag.

To those tackling the problem of the Newcastle reader who has Tokio interference on Brussels No. 1, may I point out that, although the Tokio short-wave station is supposed to have just the two wavelengths, 25.42 m. and 31.46 m., I have received it very strongly on about 19.76 m.?

Wigan, May 21. J. SIMMONDS HAWKES.

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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## "DO YOU KNOW...?"—12

Answers to Questions on page 5

- Europe: 300,000,000 metres per second.  
America: 299,820,000 metres per second.
- (a) plus 8 hours; (b) minus 10 hours; (c) similar to G.M.T.; (d) plus 12 hours.
- (a) Spelling Bees; (b) Chief Announcer, PCJ; (c) Radio sermons from Radio-Paris; (d) New York Philharmonic Orchestra.
- (a) Hungary; (b) Finland; (c) Bulgaria; (d) Norway
- Lucerne.
- (a) Ponchielli, (b) Mascagni, (c) Mussorgsky.
- Moscow; Irkoutsk; Novosibirsk; Saratov; Kiev=MINSK.

## MARCHESE MARCONI

(continued from page 6)

signalling by wireless from a room in the General Post Office to a receiver placed on a roof over one hundred yards away.

Preece was greatly impressed by the demonstration, and proceeded to give Marconi his full support, even to the extent of providing him with an assistant, Mr. G. S. Kemp, one of the most experienced of the telegraph engineers of the Post Office. Later in 1896, Marconi, assisted by Kemp, gave a demonstration on Salisbury Plain to representatives of the Army and the Navy at which signals were easily transmitted over a range of two miles. These tests were followed by others in the Bristol Channel in 1897 with a range of nine miles, and so by stages the range was increased, until, in 1901, the first wireless signals reached across the Atlantic.

## Business Ability

The details of Marconi's work and progress since 1897 have been told so many times



Marconi's first "beam" transmitter and receiver (1896) which worked on a wavelength of about 1½ metres.

before that there is little need to repeat them here. Let it suffice to remark that Marconi owed his triumphal progress partly to his enthusiasm and clever showmanship, partly to the immense backing and encouragement he received from Sir William Preece, and partly to his ability in business affairs and in his choice of advisers and assistants. While Marconi could not be described as a great scientist or inspired inventor—indeed, there was no fundamental invention in any of his early work—he certainly made many valuable improvements in the details of the apparatus, which led to greater range and reliability.

Why, then, of all the pioneers was Marconi selected as the one to be immortalised? Because, I think, that of all those who had blazed the trail he alone had the vision to see the practical application. Where others had seen only a new and interesting scientific phenomenon, Marconi saw its practical utility. He had the ability and the enthusiasm to develop his ideas, he had an amazing gift for getting a job done and making it work, and, above all, he had what so many inventors lack: money and a sound business sense.

Although Marconi has thus but a slender claim to be the "inventor of wireless," he was unquestionably the one above all others who made it work. His task was the hardest and by far the longest, and to him above all others is undoubtedly due the major credit for success.

## TELEVISION NOTES AND PROGRAMMES

## Light Programmes for Light Evenings

By "THE SEER"

IN sixteen years of broadcasting it has become axiomatic that light evenings call for light programmes, and the staff at Alexandra Palace are not so immersed in their brave new world as to ignore the voice of tradition. Light evenings, too, have a special importance where television is concerned, for in the case of many viewers it may literally be true that it is harder to concentrate on the home screen when streaks of daylight are peeping through the curtains. The difficulty is not a technical one, for the pictures can be quite bright in a room only half dark; but people vary in their reactions. To some, the notion of Grand Opera in daylight is as absurd as a boiled shirt at a wedding. Others would watch opera between mouthfuls of breakfast, and enjoy both.

Light programmes, including cabaret and variety, are well to the fore in this month's television arrangements. Nelson Keys and Valerie Hobson head the cast in a second edition of "Tele-Ho!"—a revue specially written for television by John Paddy Carstairs, which will be seen in the afternoon on June 14 and again on Saturday evening, June 18. Paddy Carstairs, by the way, is the son of Nelson Keys. The revue will be produced by Dallas Bower.

Cecil Madden's *Hundred Per Cent. Broadway* show is an established favourite, and another edition will be presented on June 15. Not a second is wasted in these high-speed, all-American shows, and the pace is maintained by the compère, who fills inevitable intervals of scene-shifting with a spate of nicely timed chatter. George Robey again faces the camera



George Robey before the television camera in December, 1936.

in two cabaret shows which Harry Pringle will present on June 16 and 18, in the afternoon and evening, and the bill includes those singing equilibrists, The Equellos, and Larry Kemble, the unicyclist. Horace Kenney, another favourite with viewers, appears as an unhappy fireman in *The Trial Turn* on June 20, and the same cabaret programme will include the Lai Founs, the astonishing family of Oriental jugglers who were such a success in last week's "Eastern Cabaret."

After the successful televising of the Derby one viewer sent the Director of Television a collection of feathers. In addition to letters, many telegrams and 'phone calls were received. The longest telegram to date came from a Suffolk viewer, whose paean of praise over the Derby television ran to seventy-nine words.

All this despite the fact that the cameramen were working under very real difficulties. For example, the two cameras in the Grandstand

were in so confined a space that both had to "pan" in the same direction to avoid entanglement. Thus it was impossible to focus one on the finishing post while the other showed the horses at Tattenham Corner. During the long panoramic shot on the telephoto lens from the start to Tattenham Corner, the cameraman was following the horses on a view-finder picture no bigger than a postage stamp.

## LONDON-PARIS-BERLIN

AFTER years of semi-public tests on 30 and more lines, Europe will have three high-definition television services running by the end of 1938. London is ahead of Paris and Berlin. We have had a 405-line service since the autumn of 1936. Paris has just inaugurated its new station, which operates on 455 lines; and Germany will, no doubt, follow shortly. To the keen observer it is interesting to note that, although Germany started with a semi-high-definition service as early as March, 1935, on 180 lines, with flicker-pictures (25 frames), she delayed in introducing high definition.

A brief tour of the three capitals gave me an opportunity to judge television reception under various conditions within a short period of time.

When in England, I saw the Cup Final on a television set in Dorking. I could follow the ball at every moment and really enjoyed football, to which I am not particularly attached. In Oxford Street I watched a fashion display where the mannequins in the studio seemed to have had their legs shortened. From photographic experience I know that this is due to the height of the camera, to which must be added the distortion produced by the curvature of the receiver screen. Late one evening I viewed a "Picture Page" programme in the Strand. This I found tedious, except for the hat-eating episode. It seems a pity that somebody should just stand up to the televisor and do a lot of talking without actually entertaining the eye of the audience as well as the ear.

London, of course, is cracking the nuts of television-programme problems for the rest of the world. They will all benefit by our experience. So one ought not to be too hard on a television organisation which has succeeded in bringing outdoor events to the fireside with perfect quality.

Paris has just started up a new transmitter which supplies 455-line pictures of an astounding clarity and precision. I witnessed reception of programmes both in the Mairie, about a mile and a half from the aerial, and at a distance of about 20 miles from Paris. In each case, I was surprised at the wonderful quality of the image. Lighting in the Paris studios and the make-up seem better, or rather more suited to television, than in London. I am not an expert, but have wide photographic and televiewing experience, and it seems to me that the heavier make-up for eye and mouth used in Paris makes these features more visible when the receivers tend to "whiten" the faces—a common fault. Instead of spot-lighting as in London, Paris uses more general light, thus giving, to my mind, more detail.

I see possibilities of being able to receive both Paris and London television stations in parts of the intervening country, as ordinary 405-line receivers also take the 455-line picture.

To summarise my experience: pleasurable reception in London on ordinary sets; very high-quality pictures on the screen in Paris and surroundings; in Berlin, marking time.

## PROGRAMMES

Vision : 45 Mc/s (6.67 m.) ; Sound : 41.5 Mc/s (7.23 m.). All programme times shown below are approximate. From 11.0 a.m. to 12.0 noon each weekday, films intended for demonstration purposes will be shown.

## SUNDAY, June 12

8.50 p.m.—News Bulletin. 9.5—Argentinita.  
9.15—Cartoon Film : "Mother Goose Melodies."  
9.25-10.0—"Miracle at Chester."

## MONDAY, June 13

3.0 p.m.—Forecast of Fashion.  
3.15—British Movietonews.  
3.25-4.20—Northolt Derby.  
9.0—Starlight : Hildegarde.  
9.10—Forecast of Fashion.  
9.25—Cartoon Film : "Mickey Steps Out."  
9.30—Gaumont-British News.  
9.40—Tennis demonstration.  
10.0-10.20—News Bulletin.

## TUESDAY, June 14

3.0 p.m.—Exhibition of Catch as Catch Can Wrestling.  
3.20—Gaumont-British News.  
3.30-4.0—"Tele-Ho!"  
8.40—"The Cardinals' Collation."  
9.10—British Movietonews.  
9.20—Heavyweight Boxing : Ben Foord v. Eddie Phillips.  
10.30-10.50—News Bulletin.

## WEDNESDAY, June 15

3.0-4.10 p.m.—"Lady Precious Stream," Chinese play by S. I. Hsiung.  
9.0—"100 per Cent Broadway."  
9.40—Gaumont-British News. 9.50—Bridge.  
10.5-10.25—News Bulletin.

## THURSDAY, June 16

3.0 p.m.—Eric Wild's Band.  
3.25—Gaumont-British News.  
3.35-4.0—"Picture Page."  
9.0—Cabaret. 9.25—British Movietonews.  
9.35—"Picture Page."  
10.0-10.20—News Bulletin.

## FRIDAY, June 17

3.0 p.m.—Starlight : Hildegarde.  
3.10—British Movietonews.  
3.20-4.0—"Le Médecin malgré Lui," by Molière.  
9.0—Starlight.  
9.10—Gaumont-British News.  
9.20—"Lady Precious Stream," Chinese play by S. I. Hsiung.  
10.30-10.50—News Bulletin.

## SATURDAY, June 18

3.0 p.m.—In Our Garden : C. H. Middleton.  
3.10—New Dance Steps.  
3.25—Gaumont-British News.  
3.35-4.0—Cabaret.  
9.0—"Tele-Ho!" 9.30—British Movietonews.  
9.40—Spelling Bee.  
10.0-10.20—News Bulletin.

## STAR ARTISTS SEE DEMONSTRATION

OPERA and concert stars gathered at Radio City recently for their first view of a television broadcast, received on the newest of the experimental sets put into operation when the Radio Corporation of America and the NBC launched the new series of "telecasts."

The visitors witnessed the broadcast in the NBC board room after a luncheon in the south lounge of the Rainbow Room.

They saw not only a comedy sketch and a March of Time news reel, but an unannounced performance by Paul Whiteman, one of the guests, who left the room, slipped down to the television studios, and reappeared on the screen of the receiving set. There were gasps of surprise from the audience when Whiteman picked up a telephone in the studio, called Mr. Lohr in the board room, and directed the studio staff as Mr. Lohr explained the technicalities of television broadcasting.

Mr. Lohr gave his directions by telephone. Whiteman could be seen and heard relaying the instructions, and the television cameras did the rest, taking the audience on a tour of the studio three floors below.

Among the outstanding guests at the luncheon and the demonstration were Mme. Kirsten Flagstad, Norwegian *diva* of the Metropolitan Opera Company, for whom it was in the nature of a farewell party, since she left next day on a tour; Dusolina Giannini, opera singer; Jan Kiepura, Metropolitan Opera tenor; and Mischa Levitzki, pianist.

Although the programme originated and was received in the same building, but a few floors apart, the actual transmission was made by the experimental station, W2XBS, in the Empire State tower.



# LEAVES FROM MY LOG

By "Log-Roller"

## A NEW S.W. STATION

At any time now the new 5-kW short-wave transmitter may be in operation at Delhi. As you know, Delhi already has a 20-kW medium-wave station working on 340 m., and a 10-kW short-wave station which uses 31.3 m. (9.59 Mc/s) and 60 m. (4.99 Mc/s). The purpose of the first is to provide reception in the immediate neighbourhood of the city, and that of the second to serve an area lying between 50 and 500 miles from the transmitter. The new station, VUD3, is to work on 19.79 m. (15.16 Mc/s), and is intended to provide reception for listeners who live at distances of 500 miles or more from the capital. VUD3 is expected to use the 15.16 Mc/s frequency for all transmissions. In addition, Calcutta is to have a new short-wave station (VUC2), which, it is expected, will be opened on July 1. Since that station is to have a power of 10 kW it should be easily receivable in this country. The Calcutta medium-wave transmitter is being converted to use a wavelength of 235 m. instead of 370 m. Certainly, the ambitious programme which All India Radio have kept before them is being rapidly fulfilled.

## STATIONS THAT FALL AWAY

Mr. P. G. A. H. Voigt, in his letter in the last issue, has suggested a very interesting explanation of the decline in signal strength that has been observed to affect so many medium-wave broadcasting stations within a year or two of their opening. If you remember, his theory is that

the falling off is due to absorption by the increasing number of aerials in the locality of the transmitter. I think that there is a good deal in that; but I am not satisfied that it completely accounts for the doings of some of the stations that have behaved in this way. It isn't easy, for example, to believe that Motala's once enormous strength in this country has been cut down by absorption by receiving aerials, for Sweden's population is a small one, and no part of the country is very densely inhabited. Whether or not it is a fact that the same kind of thing has never been found to happen with commercial transmitters I don't know; I understand, though, that ships' transmitters never seem to suffer from a shortening of their range as time goes on, and I have always thought that that rather tended to confirm the theory that a physical change in the soil round the earthing connexions of land stations might be responsible.

## ANOTHER BLOW

My recent suggestion that strong reception of Radio-Normandie's seventh harmonic appears to be confined to a wedge-shaped area in this country, with its apex at the transmitter and its sides running to points a little to the east of Dundee and rather to the west of Galloway, seems to be knocked on the head by a letter in the same issue from Mr. C. C. Richards, who reported good strength of the 30.37 m. signal at Penzance. Perhaps, though, there is a wedge-shaped area whose western boundary makes a considerably wider angle with the eastern than I had suspected. It remains to be

seen whether reports of R6-R9 reception of this seventh harmonic will be sent in by readers from districts such as Essex, Norfolk, or the East Riding of Yorkshire.

## IS A.V.C. EFFECTIVE?

The other day a friend said to me that he didn't think that A.V.C. was very much good. "If," he said, "there's any fading going on, signals go up and down despite A.V.C." For answer I went over to my set, switched to the short-wave range, tried one or two stations, and then gave him a transmission—W2XAD, I think it was—which was coming through strongly and with perfect steadiness. "What about that?" I asked. "Nothing to do with A.V.C.," he said; "that transmission isn't fading." The set is so arranged that it is easy to slip a milliammeter into the plate circuit of the I.F. valve. I did this and asked him to watch the needle.

## WATCHING IT WORK

The needle of the instrument was never still for a moment. Now it was swinging slowly upwards; now it came slowly down. There was a very considerable difference between the maximum and minimum readings of these rhythmic swings, showing that slow and quite deep fading was occurring. As the signal wanes A.V.C. reduces the grid bias of the valves to which it is applied, and the plate current rises. Just the opposite happens when the signal begins to increase in strength after reaching its minimum. The milliammeter shows you just what A.V.C. is doing. And if you ever try the experiment you'll be surprised to find how busy it is on most days. The only fading you notice is that which is too violent for A.V.C. to be able to deal with properly.

# 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 Service

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

**SHORT WAYER (Hull):** YVSRD, Caracas-Catia (Venezuela), on 6.158 Mc/s. **DX-ER 100A (Woodford Wells):** (1) Radio Emisora YNPR, Señores A. Majewsky y J. R. Senglemann, Managua, Nicaragua; wavelength: 34.92 m.; YNGU, Alma Tica, Apartado Postal 295, Managua, Nicaragua; wavelength: 32.26 m.; (2) (a) EA143, now EDR3, el Tablero, Tenerife, Canary Islands, on 28.94 m.; (b) EA9AH, Tetuan (Spanish Morocco), on 21.35 m. (3) KIO, Kahuku (Hawaii), on 25.68 m.; not a broadcasting station although occasionally programmes are relayed to the U.S.A. through this transmitter. **HIGH FREQUENCY (Wareham):** YVIRB, Apartado de Correos 214, Maracaibo, Venezuela, on 51.28 m. **INTERESTED (Perth):** TIGPH, Alma Tica, San José (Costa Rica), on 51.55 m. **WIRELESS MAD (Winton):** SKIPPER (Dalkeith); PUSS (Wyken); YDB, Sourabaya (Java), on 31.2 m.; and press reports to Nederlandsch-Indische Radio Omroep (N.V.), Koningsplein 5 W, Batavia (Centrum), Java, Netherlands East Indies. **NONSTOP (W.1):** Vague; if Stockholm heard the nearest channel would be SBO, Motala (6.06 Mc/s), but possibly news bulletin from Oslo through Jeløy (6.13 Mc/s); there is no Scandinavian station working on a frequency between 6.195-6.2 Mc/s. **VESEY (New Oseott):** EA9AH, Tetuan (Spanish Morocco), on 14.05 Mc/s. Apartado Postal 124, Tetuan. **WILFREDITE (Derby):** Radiodifusora Nacional TGWA, La Voz de Guatemala, Secretaría de Estado del Despacho, Guatemala City, Republic of Guatemala. G.M.T.: 17.00-19.00 and 01.00-05.00. Wavelength: 31.75 m. **WIRELESS MAD (Winton):** You appear to have heard two broadcasts,

namely, the cuckoo signal from CS2WA, Lisbon (31.09 m.), and the nightingale interval signal from 12RO3, Rome (31.13 m.). **YUG (Fermanagh):** The interval signal heard would tally with that adopted by COJK, Camaguey (Cuba), on 34.62 m.; three chimes and a bugle call. **ANGORFA (Lichfield):** Possibly Motala relaying Stockholm, but on 1.389 m. **PATAGONIAN (Bournemouth):** Morse transmission. **CRYSTAL SET (Navan):** Cannot identify as you give neither date nor estimate of wavelength. **NAMEN (Aston):** FZF6, Radio Martinique, Etablissements Séri, Route de la Dillon, Fort-de-France, Martinique, on 30.93 m. **DAYLIGHT (Urmston):** There is no German station with the call DSP; probably misread for DFB Nauen on 17.12 m. **HAGGIS (Maldstone):** (1) YDB, Sourabaya (see reply to Skipper (Dalkeith)); (2) cannot trace addresses, but U3BX (U.S.S.R.) and ZBIR and ZBIC are amateur transmitters situated in Malta; (3) we regret that we have had no further information; (4) cannot trace. **SHORT WAYER (Newry):** (1) HJ1ABP, Cartagena (Colombia), on 31.21 m.; (2) T14NRH, Heredia (Costa Rica), on 31.02 m. **DX-ER (Inverness):** XOX, Shanghai (6. Mc/s), possibly heard through XOB (13.83

Mc/s), or XGP, (13.9 Mc/s); EAM Madrid-Aranjuez (14.785 Mc/s); CUU2, Madera (5.765 Mc/s); CUS, Lisbon (15.9 Mc/s); CSU is a coastal station at Graciosa (Azores), working on a medium-wave channel. **ONDA CORTA JAIME (S.W.11):** HC2JSB, Guayaquil (38.2 m.). Radiomisoro HC2JSB, The Voice of the Andes, Guayaquil (Ecuador); HKE, Bogota (Ecuador) (42.02 m.); FOAAA, Poste de Radiodiffusion, Radio Oceanic, Papeete (Tahiti), on 42.25 m.; T18WS, Ecos del Pacifico, Apartado Postal 75, Puntarenas, Costa Rica; PLA, Algemeene Vereeniging Radio Omroep, Postbus 54, Paramaribo, Dutch Guiana, 42.08 m.; XECC, Departamento de Publicidad de la Secretaria de Relaciones Exteriores, Mexico City (D.F.), Mexico; 40.65 m.; XBA, Tacubaya is a wireless telegraphy station in Mexico; YNMA, Direccion General de Comunicaciones, Managua (Nicaragua); 48.86 m., 31.35 m. and 25.53 m. **OWL (Southampton):** TGWA, Radiomisoro La Voz de Guatemala, Guatemala City (Republic of Guatemala), on 15.17 Mc/s. **S. N. (Irthingborough):** PRA8, Recife (Pernambuco), Brazil, on 49.92 m. **CLARINDA (N.13):** W10XAB, Reindeer Point, N.W. Greenland, McGregor Arctic Expedition, on 20.86 m. **SOVIET STAR (Norwich):** VUD2, Delhi (British India), on 31.28 m. **BREWERITE (Bromley Common):** OZH, Skamleback (Denmark), on 19.78 m. **BROWN (Erdington):** Proprietary names should not be used as noms-de-plume. HJ1ABP, Cartagena (Colombia), has been reported by listeners to be working on 49.75 m.; as it is pronounced: *Radio Carta-chayna* you may have misunderstood the call for "Continental." Address: Apartado Postal 37, Cartagena, Colombia.

### AMATEUR TRANSMITTERS

The identity of amateur transmitters may be found in the "Radio Amateur Call Book." The Spring Edition (price 6s. post free) is obtainable 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, is now available from the above address.

### Esperanto Transmissions

**Sunday:** Barcelona, 377 m. and 42 m. 00.30 a.m. Parolado. Hilversum (1) 11.40 p.m. Romkatolika Prelego. **Monday:** Sottens, 6.20 p.m. Lectione de S-ro Bouvier. Rome (2) and 2RO, about 10 p.m. Informoj. Paris (PTT), 10.45 p.m. Komedio—La Sipego Tenacity (Dua Parto). **Tuesday:** Kaunas, 9.20 p.m. Nia Anguleto. Estonian stations, 10 p.m. Faectoj de Estonia Kulturo. **Wednesday:** Mexico (50.17 m.), 2.45 a.m. Parolado kaj Informoj. Paris (PTT) and relays, 2 p.m. Elementa Kurso. Bulgarian stations, 9.30 p.m. Esperanta Kvaronhoro. **Saturday:** Lille (PTT), 1.45 p.m. Lectione kaj Informoj. Rome (1) and 2RO, 7 p.m. Turisam Notindajoj. Ljubljana, 11 p.m. Pri la Eukarista Kongreso.

### IDENTIFICATION COUPON (No. 487)

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. 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.*)

BBC ENGINEERING SERIES

# Measuring Field-Strength of Ultra-Short Waves

By C. H. SMITH, B.Sc., A.M.I.E.E.

INTEREST has been centred, in recent years, on the development of broadcasting and television services in the ultra-short waveband—i.e. using frequencies greater than 30 megacycles per second.

In order to determine the suitability of these wavelengths for such purposes, investigations of propagation had to be made, and to carry out such experiments with precision field-strength measuring apparatus was required.

Suitable apparatus has been developed concurrently by the British Broadcasting Corporation's Research Department, Marconi's Wireless Telegraph Co., Ltd., the Electrical Research Association, and the National Physical Laboratory. Comparison tests have been made between all available types of ultra-short-wave field-strength measures, and a satisfactory degree of consistency has been found.

The apparatus developed by the British Broadcasting Corporation has been designed with due regard to the type of measurement which is required in determining the service area of a broadcasting station. The equipment is mobile—being mounted in a motor vehicle—and is adapted to permit of a continuous field-strength record being obtained while on the move.

The aerial system consists of a dipole mounted on the roof of the van and connected to the receiver by a flexible balanced cable. The dipole can be turned, from inside the van, to a vertical or a horizontal position and can also, when horizontal, be rotated. By this means the state of the polarisation of the received signal can be examined. A spare dipole and a long flexible cable are also provided in order that the field-strength can be determined in places not easily accessible to the van. Measurements have been made by this means at the top of a mast at Daventry of the field-strength obtained from the London Television Station at Alexandra Palace. Experiments have also been made with the dipole attached to a kite and connected by a

A number of methods are theoretically possible for the measurement of the strength of an electromagnetic field. On medium and long wavelengths it is usual to compare the strength of the received signal with that of a measured signal of the same frequency attenuated to the same amplitude and injected into the input circuit of the receiver. On ultra-short wavelengths the design of the attenuator presents difficulties and it is therefore preferable to insert the calibrated attenuator in the intermediate-frequency stages of a superheterodyne receiver. The locally-generated ultra-high-frequency signal may be fed into the receiver either through a resistance in the input circuit or via the receiving aerial. In the method described in this article the local generator supplies a medium-wave signal the amplitude of which is compared with that of the signal to be measured. The frequency of the beating oscillator is changed from an ultra-high frequency to 1,050 kc/s, so that the intermediate frequency produced by the local generator is the same as that produced by the ultra-high-frequency signal to be measured.

feeder to the receiver situated in the van.

The equipment carried by the van consists of a receiver, a signal generator for calibrating purposes, a peak-voltage indicator for interference intensity measurements, and a recording milliammeter, together with L.T. and H.T. supplies. The circuit of the receiver is shown in Fig. 1 (a). The input circuit consists of three resistances arranged in delta formation to give a terminating resistance of 110 ohms to the transmission line connecting to the dipole. Across this resistive termination are connected two "acorn" triodes acting as push-pull frequency-changers. A third "acorn" triode is used as a

beating oscillator. The remainder of the circuit consists of a conventional intermediate-frequency amplifier operating on about 500 kc/s, terminating in an anode-bend detector. The output circuit contains a milliammeter and provision for connecting a pair of telephones, a recorder, and a peak-voltage indicator. The beating oscillator circuit includes a switch, in one position of which the circuit can be tuned over the range of from 30 to 50 Mc/s for measuring purposes. In the other switch position, the circuit oscillates at the fixed frequency of 1,050 kc/s for calibrating against the local medium-wave generator. A variable condenser is provided to give control of the amplitude of the beating oscillator signal injected into the frequency-changer circuit. A meter in the common anode circuit of the frequency-changer valves enables this amplitude to be measured.

The signal generator, shown in Fig. 1 (b), contains a valve oscillating at a frequency variable about a mean value of 1,550 kc/s. This is followed by an attenuator adjustable over 70 db, in steps of 10 db, which is terminated in a screened transformer to enable the output of the unbalanced attenuator to be connected satisfactorily to the balanced input circuit of the receiver. The input signal level to the attenuator is measured by a gridleak detector, and a fine control of input level is obtained by means of a potentiometer. The complete apparatus, together with all batteries, is housed in a well-screened brass box.

## OPERATION

The principles on which the field-strength measurer operates necessitates a knowledge of the "pick-up factor" of the aerial system. Since the dimensions of the dipole are known, and since the aerial feeder is terminated in a known resistance, it is practicable to calculate the voltage delivered to the grids of the frequency-changers when the aerial is placed in a field of known intensity and frequency. The

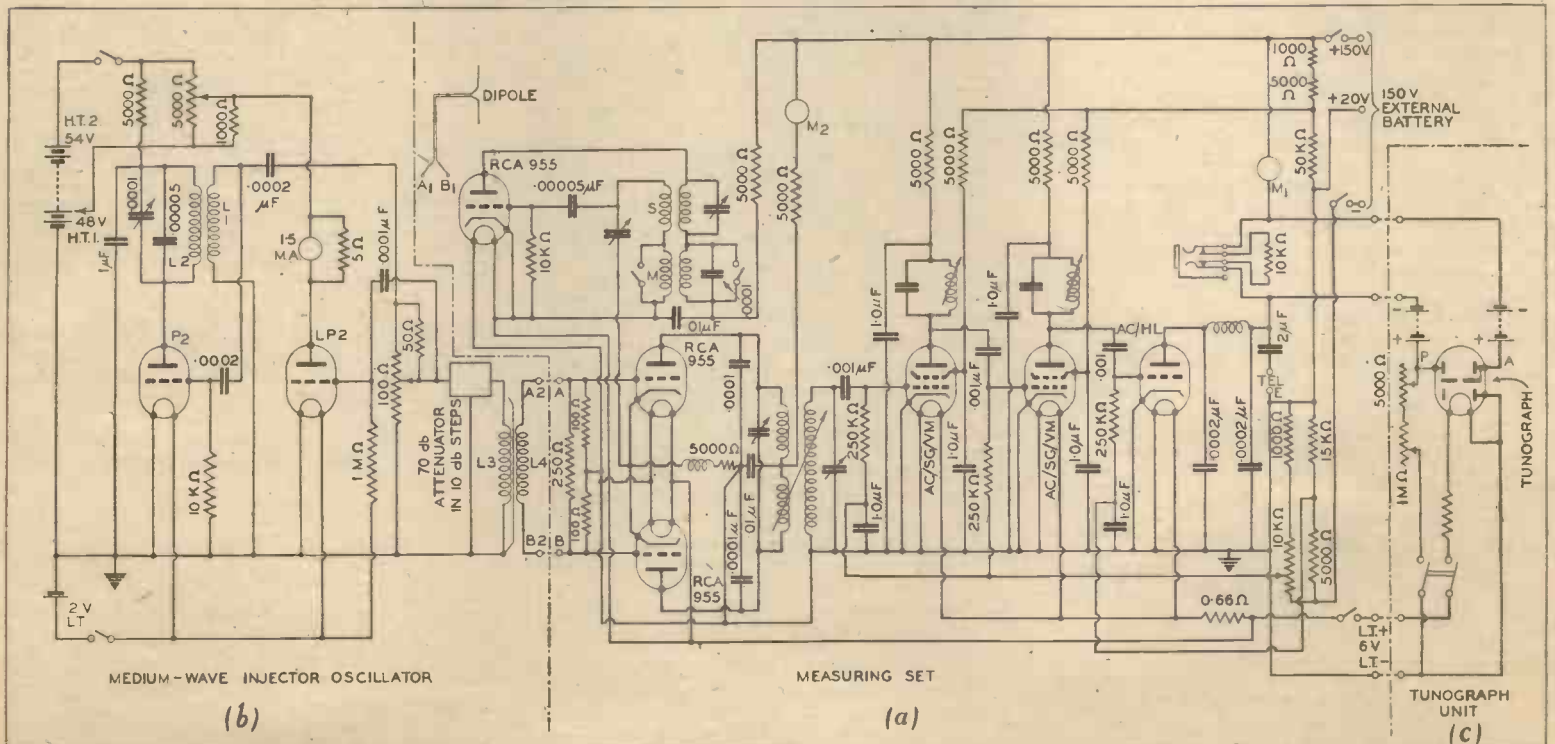


Fig. 1—Complete circuit diagram of Field-Strength Measuring Set (a), Injector Oscillator (b), and Tunograph Unit (c).

assumption is also made that a frequency-changer circuit can be so designed that the conversion efficiency depends only on the amplitudes of the received signal and the beating oscillator, and is substantially independent of the input frequency when this is high compared with the intermediate frequency.

To measure the strength of a received signal it is first tuned in and the gain control of the receiver is adjusted until a suitable deflection is obtained on the second detector anode-current meter. The reading of the frequency-changer anode current meter is also noted. The aerial feeder is then removed and the connexion to the signal generator substituted. The beating oscillator is switched to 1,050 kc/s and the coupling condenser is adjusted to give the previously-noted reading on the frequency-changer anode-current meter. The signal generator is then tuned to give maximum deflection on the second detector anode-current meter, and the attenuator controls are adjusted to equate this deflection to that produced by the received signal. The input levels to the receiver of the received signal and the signal generator output are then presumed to be equal. The signal level is determined from the adjustment of the signal generator attenuator and the reading of the meter which indicates the output of the signal generator. The field strength is then calculated by dividing this signal level by the pick-up factor of the aerial.

For recording purposes a somewhat different procedure is adopted. The receiver input level corresponding to some convenient field-strength is first determined. The signal generator is then set up to produce the required input level, and the receiver is adjusted to produce a full-scale deflection on the recording millimeter. The signal to be measured is then tuned in and a record taken. Field-strength values for any indication of the recording meter are then derived from a calibration curve of the second detector of the receiver.

The receiver described can conveniently measure field-strengths not less than 50  $\mu\text{V}/\text{m}$ . In order to extend the range, a tuned input circuit has been provided. By this means field-strengths as low as 5  $\mu\text{V}/\text{m}$  can be measured. Since the method of calibration depends on the aperiodic nature of the input circuit, it is necessary to determine independently the gain due to the insertion of the tuned circuit. This figure is determined initially by measuring the input signal obtained with and without the tuned circuit in use.

This apparatus conveniently measures received field-strengths from continuous-wave transmitters; it is not, however, suitable for the measurement of interference such as that emanating from motor car ignition systems. It has been found that the ratio of peak values to R.M.S. values of such forms of interference is so great that the receiver is heavily overloaded by the peak values before a readable value of rectified current is obtained. To overcome this

defect a peak-voltage indicator attachment has been made. This is shown in Fig. 1 (c), and consists of a "Tunograph" valve (made by Standard Telephones and Cables, Ltd.) with appropriate supply circuits.

The Tunograph valve is effectively a miniature cathode-ray tube with only one pair of deflecting plates. These plates are connected across the anode resistance of the receiver detector valve. By observing the deflection of the spot of the Tunograph valve, peak values can be measured.

### CALIBRATION

In order to check the accuracy of the field-strength measuring apparatus, a standard field generator has been produced.

This device comprises a push-pull oscillator which can be tuned over the range of from 30 to 50 Mc/s, housed in a screening box and coupled to a single-turn loop of 8 in. diameter, at the centre of which is a thermo-couple type of H.F. milliammeter.

The field radiated from the loop in free space is calculable from the formula:

$$E = \frac{120 \pi^2 A \cdot I}{\lambda^2 D}$$

where  $E$  is the field strength;  $A$  is the area of

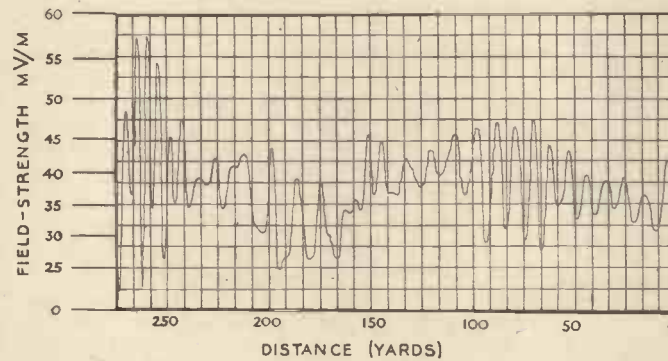


Fig. 3—Illustrating the stationary interference pattern recorded in a relatively unshielded area.

the loop;  $I$  is the current in the loop;  $\lambda$  is the wavelength, and  $D$  is the distance of the point at which the field strength is required.

This apparatus is used to make a periodical routine check on the performance of the field-strength measurer. By mounting the generating loop and the receiving dipole in a vertical plane, half a wavelength apart and half a wavelength above ground, the effect of ground reflections can be ignored and the above formula used. Alternatively, the loop and the dipole can be arranged horizontally at any height above ground and at any distance apart not less than half a wavelength. In this case the above formula is modified to take account of the reflected ray from the ground, the reflection coefficient being taken as equal to  $-1$ , irrespective of ground constants.

Both of the above methods of calibration have been used with satisfactory results.\* Comparison tests have also been carried out between the field-strength measurer described here and models developed by Marconi's Wireless Telegraph Co., Ltd., the National Physical Laboratory, and the Electrical Research Association. A satisfactory agreement between the different types has invariably been found.

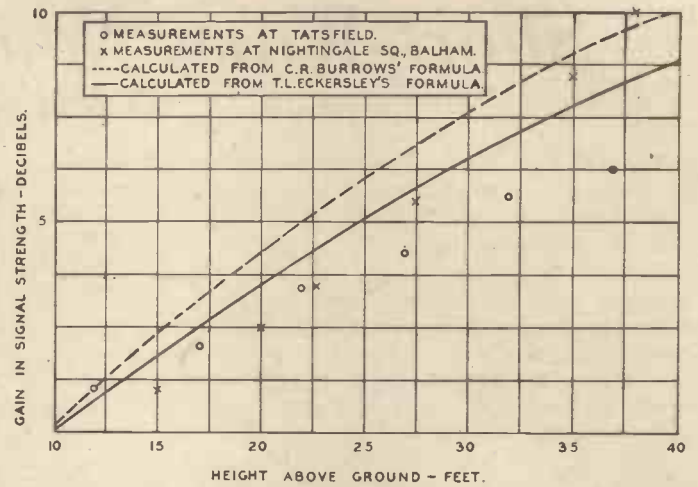


Fig. 4—Variation of strength of received signal with height of receiving aerial.

The preparation of a field-strength contour diagram of an ultra-short-wave transmitter is a much more laborious matter than a similar task in the medium waveband. Some of the difficulties can be visualised from a consideration of Figs. 2 and 3. Fig. 2 shows the variation in signal strength caused by passing traffic with the field-strength measuring van stationary on a busy road. Fig. 3 illustrates the stationary interference pattern existing in a relatively unshielded area.

In order to obtain sufficient information to plot field-strength contours it has been found necessary to take continuous field-strength records. Streets carrying much traffic must be avoided and measurements made in quiet by-roads. The normal procedure is to take a continuous record of the field-strength variations throughout a district and then to determine the average value from the record. A sufficient number of such records having been obtained, a contour map can be prepared.

By this method the field-strength contour diagram of the

Alexandra Palace sound transmitter was obtained, and has since been published in the *BBC Annual* for 1937.

Other measurements which have been made on the television sound transmitter are the variation of signal strength with the height of the receiving aerial and with distance. Fig. 4 shows the manner in which the received signal strength varies with the height of the receiving aerial and compares the results obtained with the predictions of C. R. Burrows and T. L. Eckersley.

The variation of signal strength with distance has been examined on an attenuation run from Alexandra Palace to John O'Groats. At distances up to 120 kilometres, field-strength and distance are found to be related by the law:

$$E \cdot d^2 = 3 \times 10^5$$

where  $E$  is in volts per metre, and  $d$  is in metres.

Beyond 120 kilometres the attenuation appears to increase, but fading becomes noticeable, and at distances of from 400 to 700 kilometres a variable signal is obtained with all the characteristics of a sky-wave and a maximum intensity of about five micro-volts per metre.

The results obtained are consistent with theoretical predictions of attenuation over a short distance. They do not, however, confirm the theoretical law of exponential attenuation at a distance comparable with the optical range.

\* Later experiments have shown that errors may be introduced by variations in the state of the ground when the vertical loop and dipole are used. These errors may be avoided by the use of the horizontal loop and dipole.—Ed.

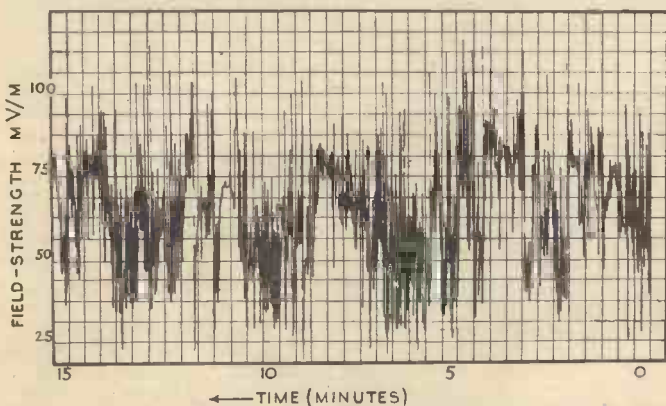


Fig. 2—Recorded effect upon field-strength of passing traffic on a busy road.

# Short-Wave News-Reel

Compèred by "RANGER"

*My post-bag this week indicates that the fine weather over the Whitsun holiday tempted many short-wave listeners to seek their pleasures away from the set.*

*However, here is a selection from the contributions received, beginning with an account of the finish of the American 500-mile car race.*

## INDIANAPOLIS CAR RACE

THE roar of racing-cars greeted me as I tuned in to W2XE (19.65 m.) at about 21.10 B.S.T. on May 30, and I found that I was just in time to hear a commentary on the final laps of the Indianapolis 500-mile race. At that time Floyd Roberts, aviation engineer and former preacher, was leading, having done 194 of the 200 laps. Wilbur Shaw, last year's winner, was second, two laps behind.

A white flag was waved, which showed Roberts that he had only one more lap to do, and he slowed down, as he had the race "in his pocket." A chequered flag was dropped, and Roberts—in a beautiful red car, No. 23—had won this race, perhaps the most famous car-race in America. To quote our announcer—"He's happy, Oh! boy, is he happy!"

After an extra round, Roberts went off the track to "Victory Lane." When switched over there we were able to hear him say "I feel fine" and send a message to "My little wife—and my little boy and girl—and my mother in Illinois." Roberts was almost in tears after the great strain, knowing that he had won 20,000 dollars to provide for his children's future.

He had won the race in a time of 4 hours 15 minutes 58.4 seconds, at a speed of 117.281 m.p.h. Shaw came in second, Miller in Car No. 3, came third, and Ted Horn, in Car No. 4, came fourth. The first three were all faster than last year's winner. Thus ended "one of the greatest races of all time."

Dun Laoghaire, Eire.

D. J. R.

## AMERICA'S MEMORIAL DAY

*Here are details of a series of broadcasts commemorating Memorial Day in the U.S.A.—the national day of remembrance for the fallen in both the American Civil War and the Great War.*

It was Memorial Day in the U.S.A. on May 30, and W2XAD commemorated the occasion with several special programmes.

At 16.30, four veterans (aged 92, 94, 94, and 95) were flying in an air-liner over Arlington Cemetery, and recalled their experiences during the American Civil War.

A Memorial Service was relayed from Arlington National Amphitheatre at 19.30. The Hon. D. Walsh, Senator for Massachusetts, addressed the assembly on "World Peace," and appropriate hymns were played by the U.S. Marine Band. Thousands of people, we were told, had already streamed past the Tomb of the Unknown Soldier.

Another impressive service, in honour of those who died in the Civil War, was broadcast at 20.30 from the National Memorial Cemetery, Pennsylvania, which includes the whole of the Gettysburg Battlefield. Here, thousands of school children had been among the graves laying wreaths. Following a reading of Abraham Lincoln's immortal Gettysburg address, the Hon. A. H. Brandenburg, Senator for Michigan, spoke. The service ended with the Benediction and National Anthem.

The Twenty-sixth Annual 500-miles Speed-race at Indianapolis—a thrilling event

which takes place each Memorial Day—was the subject of exciting commentaries at 17.15, 20.20, and 21.00. The winner was Floyd Roberts, whose average speed—117.2 m.p.h.—easily broke the previous record. During the race he "changed two tyres, took in gas, oil, and water" in 30 seconds! Wilbur Shaw, last year's winner, was second, and Jack Miller third.

Yate, Glos.

F. J. R.

## A THRILLING FIGHT

*Still another high-light for the enthusiasts who were prepared either to sit up very late or to rise very early. Our contributor does not mention which course he took!*

HENRY ARMSTRONG, Los Angeles, coloured featherweight champion of the world, met Barney Ross, Chicago, for the latter's world welterweight title over 15 rounds, at Madison Square Garden Bowl, on Tuesday, May 31. A running commentary on the fight, from the ring-side, given by Clem McCarthy, NBC sports commentator, assisted by George Hicks, was broadcast by W8XK at 03.00 B.S.T.

Ross won the first round easily by fighting at long range and not allowing Armstrong to get to close quarters. From the second round on, however, Armstrong came into his own with some whirlwind attacks, punishing his opponent severely about head and body. Ross tired soon, and by the end of the twelfth round had taken punishment liberally. We were then held in suspense for a few seconds while Arthur Donovan, the referee, examined Ross in his corner and held a whispered consultation with General Phelan as to whether the fight should be continued. Although there was no doubt as to the ultimate result, Ross was allowed to box on. He was again examined at the end of the thirteenth and fourteenth, and in the last round seemed fresher than he had been throughout the whole fight from the third round onwards; but there was no surprise when his rival was declared the winner.

Ross must be commended for his gameness and his ability to stand up to punishment, while Armstrong is undoubtedly one of the "super-scrappers" of this age.

Knighton, Rads.

J. D.

## Skamlebaek, OZF

FROM Sunday morning, May 29, the Danish short-wave transmitter OZF at Skamlebaek (31.51 m., 9.52 Mc/s) altered its transmission times as follows: with aerial directional towards South America and the Far East: 02.00-03.30 B.S.T.; with aerial directional towards North America and Greenland: 03.30-05.00 B.S.T.

The Danish State Broadcasting Service is at present making experimental broadcasts on a wavelength of 19.78 m. (15.16 Mc/s), call: OZH, every Sunday and holiday, 14.00-19.30 B.S.T.

## Bound Brook, W3XAL

Two new 25 kW transmitters, enabling American radio programmes to penetrate every country of Europe and all parts of South and Central America, have been installed and will go into operation in the near future at the National Broadcasting Company's international short-wave station, W3XAL, Bound Brook, New Jersey.

Designed and built by NBC engineers, the new transmitters will operate through four directive beam systems and two non-directive aeri-

## Below 100 Metres

By "METROPOLITAN"

(May 29—June 4)

THE late evenings have continued to provide the best DX results, the many North and South American transmitters in the 31-50 m. bands being heard at good intelligibility until around 05.00. On one or two occasions towards the latter part of the week the North American 11 m. high-fidelity transmitters have been heard.

Little of special interest was logged during Sunday. No trace of W3XAL (16.87 m.) could be found during the afternoon, the 13 m. U.S. transmitters being just audible around 14.30. Quiet conditions also prevailed during the evening, even the South Americans were weaker than usual. A distinct change in conditions was apparent on Monday, however, for all the usual stations were heard at good strength and intelligibility. W3XAL and W2XAD were well received during the evening and after midnight, W1XK was the best of the Americans, being a good R8.

Wednesday was a particularly good day for short-wave reception. W3XAL was a good signal throughout the afternoon and during the evening this station peaked to R8, with only an occasional trough of deep fading. The various European "locals" also provided the short-wave listener with many good musical programmes. The 19 m. and 25 m. bands provided the best channels for reception of the U.S. broadcasters during the late evening period, W2XAD being R7 when "leaving the air" at midnight, while W8XK (25.26 m.) was R6-7.

W3XAL (16.87 m.) was only R4-5 at 18.20 on Thursday, while W2XAD (19.57 m.) was R7. Later in the evening, both W3XAL and W2XAD were fine signals and, towards midnight, W1XK was R6. There was, however, no trace of W2XAF. W2XAD (31.41 m.) is only poorly heard here. W8XK (25.26 m.) was R8 at 00.30 and W3XAL (16.87 m.) was still audible. There were many South American stations available in the 31 m. band, including HJ7ABD, HJ1ABP, and COCQ, Havana.

Very good conditions prevailed on Saturday, and reception on the higher frequencies was quite good during the afternoon. W2XE and W8XK in the 13 m. band were well heard during the whole of their transmissions. Good results were also obtained in the evening, when W3XAL (16.87 m.), W2XAD (19.57 m.), and W2XE (19.65 m.) were all providing R7 signals. The 49 m. band was fairly active when listening around 03.00; W8XK (48.83 m.), W3XAL (49.18 m.), and HJ6ABB (49.10 m.) were good signals, practically free from "static."

## New to the Log

By "RADIO GUIDE"

THE new Colombian station, operating in the vicinity of 34.68 m. appears to be causing considerable controversy regarding its identity. The correct call-sign is HJ4ABU, its situation Medellin, and the operators "Universidad de Antioquia." Reception in this country is quite good between 01.30 and 04.30 (or 05.00) B.S.T., and the identification signal consists of Westminster chimes at the quarter-hour, and, generally, the striking of the hour by the studio clock, six hours behind B.S.T.

Another Colombian likely to confuse listeners not conversant with the inconsistencies of these stations, is HJ7ABD, "Radio Bucaramanga," which normally operates in the region of 31.15 m. Quite recently I was listening to what I imagined to be an addition to the Republic's broadcasters; the station was operating on 50.17 m., and despite the familiar features such as the presence of male and female announcers at the microphone, bugle call, single chime between news items, and a sequence of chimes at the quarter-hour, it was some time before I realised that it was "Radio Bucaramanga" back on its original frequency, which it deserted some time ago.

Much interest has been centred around "Radio Sofia," Sofia, Bulgaria, since it moved to approximately 35.34 m. Identification is simplified by frequent reference to the title and by the employment of a female announcer, programmes being concluded at 23.00 with the playing of the Bulgarian National Anthem. Reception reports should be addressed to "Radio Sofia," 19 Moskovska Str., Sofia, Bulgaria.

# SHORT-WAVE BROADCASTING STATIONS

For transmission times (B.S.T.) of stations shown in black type see Short-Wave Programmes. The various broadcasting wavebands are indicated by heavy vertical lines.

Left Column				Right Column			
Mc/s	m.	kW	Call	Mc/s	m.	kW	Call
4.90	61	10	VUB2	9.63	31.13	-25	I2RO3
4.99	60.06	10	VUD2	9.65	31.09	2	CS2WA
5.15	58.3	1	PMY	9.66	31.06	10	LRX
5.80	51.72	1	YV5RC	9.68	30.97	..	TGWA
5.97	50.26	15	HVJ	9.74	30.8	{ 1	COCQ
6.00	50	{ 1	XEBT	9.83	30.51	{ 5	CSW3
6.00	49.96	{ 7	ZRHX	9.86	30.43	1	COCM
6.01	49.92	{ 0.1	CFCX	10.22	29.35	20	EAQ
6.02	49.83	{ 5	CXA2	10.26	29.24	12	PSH
6.03	49.75	{ 2.5	COCO	10.33	29.04	1.5	PMN
6.04	49.67	{ 30	OLR2A	10.35	28.99	9	ORK
6.05	49.59	{ 1	CJXC	10.37	28.93	12	LSX
6.06	49.5	{ 5-40	DJC	10.53	28.48	..	EA1BO
6.06	49.46	{ 30	OLR2B	11.00	27.27	10	JIB
6.07	49.42	{ 0.75	W1XAL	11.04	27.17	1.5	PLP
6.08	49.34	{ 5	W4XB	11.40	26.31	5	CSW2
6.08	49.33	{ 10-50	GSA	11.40	26.31	20	HBO
6.09	49.28	{ 10	W8XAL	11.53	26.01	20	SPD
6.09	49.26	{ 0.2	VP3MR	11.70	25.63	{ 0.75	SBP
6.10	49.2	{ 10	W3XAU	11.72	25.6	{ 2	CB1170
6.10	49.18	{ 0.5	SBO	11.73	25.57	{ 12	CJRX
6.11	49.1	{ 0.5	VP3MR	11.73	25.57	{ 25	TPA4
6.12	49.02	{ 0.5	W9XAA	11.74	25.55	{ 20	PHI
6.12	48.98	{ 0.5	VQ7LO	11.74	25.55	1	W1XAL
6.13	48.94	{ 0.5	W9XAA	11.75	25.53	10-50	COCX
6.13	48.92	{ 15	VQ7LO	11.76	25.51	30	GSD
6.13	48.9	{ 0.5	OAX4Z	11.77	25.49	5-40	DLJ
6.14	48.83	{ 0.5	CFRX	11.78	25.47	1	W1XAL
6.14	48.8	{ 0.5	ZBWX	11.79	25.45	20	JZJ
6.15	48.78	{ 0.5	ZRW	11.80	25.42	{ 5-40	DJO
6.15	48.78	{ 0.5	ZRD	11.81	25.4	1.5	OER3
6.16	48.78	{ 0.5	CJRO	11.81	25.4	25	I2RO4
6.16	48.78	{ 0.5	TIPG	11.82	25.38	10-50	GSN
6.16	48.78	{ 0.5	PRADO	11.83	25.36	10	W2XE
6.16	48.78	{ 0.5	HBQ	11.84	25.34	5	CSW4
6.17	48.78	{ 0.5	EAJ1	11.85	25.31	30	OLR4A
6.17	48.78	{ 0.5	EA1BO	11.86	25.29	5-40	DJP
6.18	48.78	{ 0.5	HBP	11.86	25.29	10-50	GSE
6.18	48.78	{ 0.5	LZA	11.87	25.26	24	W8XK
6.19	48.78	{ 0.5	HAT4	11.88	25.24	25	TPB7
6.19	48.78	{ 0.5	COCH	11.90	25.21	12	TPA3
6.19	48.78	{ 0.5	EAR	12.00	25	20	VZSPS
6.19	48.78	{ 0.5	PRF5	12.23	24.52	7.5	TFJ
6.20	48.78	{ 0.5	VK3ME	13.63	22	2	SPW
6.20	48.78	{ 0.5	HS8PJ	14.06	21.35	..	EAJ1
6.20	48.78	{ 0.5	XEWW	14.53	20.64	20	HBJ
6.21	48.78	{ 0.5	Lahti (Finland)	15.08	19.89	25	RKI
6.21	48.78	{ 0.5	Daventry	15.11	19.85	5-40	DJL
6.21	48.78	{ 0.5	Montevideo (Uruguay)	15.12	19.84	25	HVJ
6.21	48.78	{ 0.5	Skamlebaek (Denmark)	15.13	19.83	{ 25	TPB6
6.21	48.78	{ 0.5	Paris-Mondial (France)	15.14	19.82	20	W1XAL
6.21	48.78	{ 0.5	Pretoria (S. Africa)	15.14	19.82	10-50	GSF
6.21	48.78	{ 0.5	Hong Kong	15.15	19.8	1.5	YDC
6.21	48.78	{ 0.5	Jeløy (Norway)	15.16	19.79	50	JZK
6.21	48.78	{ 0.5	Havana (Cuba)	15.17	19.78	..	TGWA
6.21	48.78	{ 0.5	Madrid (Spain)	15.18	19.76	{ 6	OZH
6.21	48.78	{ 0.5	Rio de Janeiro (Brazil)	15.18	19.76	10-50	GSO
6.21	48.78	{ 0.5	Melbourne	15.19	19.75	{ 2.5	ZBW4
6.21	48.78	{ 0.5	Bangkok (Siam)	15.20	19.74	1	DJB
6.21	48.78	{ 0.5	Mexico City	15.21	19.72	5-40	W8XK
6.21	48.78	{ 0.5	Lahti (Finland)	15.22	19.71	18	PCJ2
6.21	48.78	{ 0.5	Daventry	15.22	19.71	60	TPA2
6.21	48.78	{ 0.5	Montevideo (Uruguay)	15.24	19.68	12	W1XAL
6.21	48.78	{ 0.5	Skamlebaek (Denmark)	15.25	19.67	20	GSJ
6.21	48.78	{ 0.5	Paris-Mondial (France)	15.26	19.66	10-50	W2XE
6.21	48.78	{ 0.5	Pretoria (S. Africa)	15.27	19.65	10	DJQ
6.21	48.78	{ 0.5	Hong Kong	15.28	19.63	5-40	LRU
6.21	48.78	{ 0.5	Jeløy (Norway)	15.29	19.62	7	LRU
6.21	48.78	{ 0.5	Havana (Cuba)	15.31	19.6	10-50	GSP
6.21	48.78	{ 0.5	Madrid (Spain)	15.33	19.57	18	W2XAD
6.21	48.78	{ 0.5	Rio de Janeiro (Brazil)	15.34	19.56	5-40	DJR
6.21	48.78	{ 0.5	Melbourne	15.37	19.52	6	HAS3
6.21	48.78	{ 0.5	Bangkok (Siam)	17.31	17.33	5	W2XGB
6.21	48.78	{ 0.5	Mexico City	17.75	16.9	2.5	ZBW5
6.21	48.78	{ 0.5	Lahti (Finland)	17.76	16.89	{ 5-40	DJE
6.21	48.78	{ 0.5	Daventry	17.76	16.88	10	W2XE
6.21	48.78	{ 0.5	Montevideo (Uruguay)	17.77	16.87	25	TPB3
6.21	48.78	{ 0.5	Skamlebaek (Denmark)	17.77	16.87	25	PHI2
6.21	48.78	{ 0.5	Paris-Mondial (France)	17.78	16.87	15-35	W3XAL
6.21	48.78	{ 0.5	Pretoria (S. Africa)	17.79	16.86	10-50	GSG
6.21	48.78	{ 0.5	Hong Kong	18.11	16.56	5	LSY3
6.21	48.78	{ 0.5	Jeløy (Norway)	18.48	16.23	20	HBH
6.21	48.78	{ 0.5	Havana (Cuba)	19.02	15.77	5	HS8PJ
6.21	48.78	{ 0.5	Madrid (Spain)	21.45	13.99	5-40	DJS
6.21	48.78	{ 0.5	Rio de Janeiro (Brazil)	21.47	13.97	10-50	GSH
6.21	48.78	{ 0.5	Melbourne	21.50	13.95	18	W2XAD
6.21	48.78	{ 0.5	Bangkok (Siam)	21.52	13.94	10	W2XE
6.21	48.78	{ 0.5	Mexico City	21.53	13.93	10-50	GSJ
6.21	48.78	{ 0.5	Lahti (Finland)	21.54	13.93	6	W8XK
6.21	48.78	{ 0.5	Daventry	21.55	13.92	10-50	GST

# Short-Wave Programmes

All times, including EMPIRE, in B.S.T.

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

## SUNDAY, June 12

### EMPIRE FREQUENCIES

GSA ...	6.05 Mc/s	...	49.59 m.
GSB ...	9.51	"	31.55 "
GSC ...	9.58	"	31.32 "
GSD ...	11.75	"	25.53 "
GSE ...	11.86	"	25.29 "
GSF ...	15.14	"	19.82 "
GSG ...	17.79	"	16.86 "
GSH ...	21.47	"	13.97 "
GSI ...	15.26	"	19.66 "
GSI ...	21.53	"	13.93 "
GSL ...	6.11	"	49.1 "
GSN ...	11.82	"	25.38 "
GSO ...	15.18	"	19.76 "
GSP ...	15.31	"	19.6 "
GST ...	21.55	"	13.92 "

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

### EMPIRE

**Transmission 1** (GSG, GSO, GSF, GSD, GSB)  
06.00—Big Ben; Service (C.E.)†  
06.35—BBC Military Band.\*  
07.15—Students' Songs.\*  
07.45-08.15 — Newsletter, Sports Summary.

**Transmission 2** (GSI, GSH, GSG, GSF)  
11.45—Big Ben; Service (C.E.).\*  
12.20—Pfte. Music.†  
12.30—"Spelling Bee:" London v. Dublin.

13.15—Excerpts from Opera.  
14.30—Big Ben; Newsletter, Sports Summary.  
14.55-15.00—Interlude.†

**Transmission 3** (GSI, GSH, GSG, GSG, a second transmitter until 17.00 GSF)  
15.00—Big Ben; Astra Desmond (Contralto).\*  
15.20—Kreisler (Violin).†  
15.30—Morris Motors Band.  
16.00—"The House that came back," by Nora Richardson.\*  
16.45—Big Ben; Newsletter, Sports Summary.  
17.10-18.00—Service (C.E.).\*

**Transmission 4** (18.20 - 22.00 GSG, GSI, GSD; 18.45-22.00 GSG; 19.30-22.00 GSB; 22.15-23.55 GSG, GSP, GSO, GSF, GSB)  
18.20—Newsletter, Sports Summary.  
18.40—Pfte. Music.†

18.50—Victorian Melodies.  
19.50—Musical Interlude.†  
19.55—Empire Service from St. Paul's Cathedral.  
20.45—Astra Desmond (Contralto).\*  
21.05—Fred Hartley's Sextet.  
21.35-22.00—Reginald Foort (BBC Theatre Organ).  
22.15—Big Ben; Newsletter, Sports Summary.  
22.35—Basil Parsons (Baritone); C. H. Trevor (Organ).  
23.15—"Escape:" first-hand accounts by prisoners of war.\*  
23.45-23.55—Epilogue.

**Transmission 5** (GSG, GSO, GSP, GSD, GSB)  
00.20—Empire Service from St. Paul's Cathedral.\*  
01.10—Dvořák's Chamber Music.  
01.40—Newsletter, Sports Summary.  
02.00-02.30—Big Ben; Pfte. music.

**Transmission 6** (GSI, GSD, GSC, GSB)  
03.20—British Songs.\*  
04.15—John Cockerill (Harp).  
04.30—Big Ben; Newsletter, Sports Summary.  
04.50-05.25—Service (C.E.).\*

**Arabic Transmission** (GSP) 18.20-19.15  
**Spanish and Portuguese News** (GSO, GSB) 02.30-03.00

**BOMBAY** (31.41 m.)  
07.00—Indian Programme: Songs and Orchestra; For Children.  
08.30-09.30—European Music.

**BOSTON** (25.45 m.)  
20.00—Goodwill Programme to Greece; Music.  
21.30—Goodwill Programme to Scandinavia.  
22.00-22.30—Unitarian Service.

**BOUND BROOK** (16.87 m.; 49.18 m.)  
Programme not received.

**BUDAPEST** (19.52 m.)  
15.00-16.00—Orchestra, Soprano; Talk (Eng.); Songs; Messages. (32.88 m.)  
01.00-02.00—See 15.00.

**CHICAGO** (49.18 m.)  
00.30 (Mon.)—Dinner Date.  
01.30—Songs we Remember.

**DELHI** (31.28 m.)  
Programme not received.

**HUIZEN** (16.88 m.)  
12.25-13.25—For Asia.  
13.25-15.30—For Dutch Indies.  
(31.28 m.)  
19.20-19.35—Talk.  
20.00-21.00—For Africa.  
01.15—For Western Hemisphere.  
02.25-03.25—For Latin America.

**LYNDHURST** (31.32 m.)  
09.00—Music; Science; News.  
10.30—A.B.C. Symphony Orchestra, Guest Conductor: Georg Szell.  
11.20—Music; Foreign Affairs.  
13.30-13.35—News.

**MILLIS** (31.35 m.)  
02.30 (Monday)—Walter Winchell.

**MOSCOW** (25 m.)  
12.00—Talks (Eng., Ger.).  
14.00—Talks, etc. (Dutch, Fr.). (19.89 m.)  
16.00—Talks (Eng., Ger.).  
19.00—Programme in German. (25 m.)  
21.00—Talks, etc. (It., Ger.).  
22.05—Talks (Eng., Ger.). (31.25 m.)  
00.00—Programme in Spanish. (19.89 m.; 31.25 m.)  
01.00—Programme in English. (25 m.)  
02.30—Programme in French.  
04.15—Programme in English.

**PARIS-MONDIAL** (19.68 m.)  
12.00—News (Eng.); Concert.  
13.30—News; Talks; Records. (16.88 m.; 19.68 m.)  
14.30-16.00—To be announced. (25.24 m.; 31.41 m.)  
16.15—News (Fr., Arabic); Music.  
19.00—News (Fr., Arabic).  
20.15-20.30—News (Eng., It.).  
22.30—Sports; News (Port.). (19.83 m.; 25.6 m.)  
00.00-02.15—Records; at 01.00—News (Fr., Sp., Port.). (25.24 m.; 25.6 m.)  
02.30—Records; News.  
04.00—News (Eng.); Records.  
04.45-05.00—News (Ger.).

**PITTSBURGH** (13.93 m.)  
12.00—Trails to Happiness. (19.72 m.)  
14.00—Coast to Coast on a Bus.  
15.00—Russian Melodies.  
15.30—Easy to Remember.  
15.45—Dot and Pat.  
16.00—First Pres. Church.  
17.00—Southernaires.  
17.30—Radio City Music-Hall.  
18.30—Concert Hall of the Air.  
19.00—RCA Magic Key.  
20.00—Sheffer and Brenner.  
20.10—Variety.  
20.30—Three Cheers.  
20.45—Mischa Amichakoff.  
21.00—Bernie Armstrong (Organ).  
21.30—Vespers—Shadyside Church.  
22.00—Silhouettes of the West.  
22.15—Baseball Resumé—Pittsburgh v. Brooklyn.

22.30—Jean Sablon.  
22.45—Don Hirsch.  
23.00—Music—Sports.  
23.15—Melody Time.  
23.30—A Tale of Today. (25.26 m.)  
00.00—Popular Classics.  
00.30—Ozzie Nelson's Orchestra.  
01.00—Spy at Large.  
01.30—Songs We Remember.  
02.00—Hollywood Playhouse—Tyrone Power.  
02.30—Walter Winchell.  
02.45—Irene Rich.  
03.00—You Don't Say.  
03.30—Cheerio. (48.83 m.)  
04.00—Music; News.  
04.15—Missionary Broadcast.  
05.00-06.00—Orchestras.

**PODEBRADY**  
For Europe. (25.34 m.; 25.51 m.)  
19.55-22.30—News; Popular Music; Variety; European Review (Eng.); Violin Concerto (Saint-Saens); Slovak Folk Songs; Operetta Music; at 20.40—News (Ger.), and at 22.00—News (Fr.).  
22.30-22.40—News (Eng.).

**RADIO-NATIONS** (16.23 m.)  
16.45-17.30—Music; League of Nations and International Labour Office Reports (Eng.). (20.64 m.; 44.94 m.)  
19.45-20.30—See 16.45. (26.31 m.)  
01.00-01.45 and 08.00-08.15 (Mon.)—See 16.45. (20.64 m.)  
08.30-08.45 (Mon.)—See 16.45.

**REYKJAVIK** (24.52 m.)  
19.40-20.40 — Talks and News (Eng., Dan., Fr.); Music.

**ROME** (25.4 m.)  
11.00-14.45—News; Music; at 12.00—News (Eng.).  
16.00—News; Opera; News (Eng.).  
17.15—Sports; Music; News.  
18.10-19.00—Music; Talk (Arabic).  
19.19—News and Talk (Eng.).  
19.37—News (It., Serb., Fr.).  
20.36—News and Talk (Ger.).  
21.00—From Rome Group; Notes (Fr., Eng., Ger.).  
23.30—News (Sp., Greek).  
00.00—For Latin America; News; Light Music; Talk; News. (Sp., Port.).  
01.30-03.00 — For U.S.A.: News (Eng.); Opera; News.

**SCHENECTADY** (13.95 m.)  
13.00—Music; Talks; Variety.  
15.30—Music and American Youth.  
16.00—News; Silver Flute.  
16.30—America Abroad.  
16.45-17.00—Norseman Quartet. (19.57 m.)  
17.15—Music; Variety.  
18.00—Madrigal Singers.  
18.30—Silver Strings; Kidoodlers.  
19.15—Guitar; Variety; Music. (19.57 m.; 31.48 m.)  
20.30—Sunday Drivers.  
21.00—Romance Melodies.  
21.30—The World is yours; Songs.  
22.30—Radio Newsreel.  
23.00—R.C. Hour; A Tale. (31.48 m.)  
00.00-05.00—For Latin America.  
00.00—Benny; Mary Livingstone.  
00.30—Baseball; Variety.  
02.00—Merry-Go-Round; Music.  
03.00—Hour of Charm.  
03.30—University Discussion.  
04.00-05.00—Music; at 04.30 — News. (31.4 m.)  
00.30-04.00—For Latin America.  
00.30—Music, Comments (Port.).  
01.00—Songs; Concert Master.  
02.00—Green Room; Charm.  
03.30-04.00—Song Cameos.

**TOKIO** (19.79 m.; 25.42 m.)  
20.30-22.00—For Europe.  
20.30—Call; News (Eng.).  
20.45—Contemporary Japanese Pfte. Music.  
21.05—News (Ger.); Violin.  
21.35—News (Fr., Jap.); Anthem.

**VATICAN CITY** (50.26 m.)  
11.00—For Invalids (Latin, Fr.).

**WARSAW** (22 m.; 26.01 m.)  
00.00—News (Pol., Eng.); Sports.  
00.15 (Mon.)—Polish Music.  
01.00—For Children; Choir.  
01.50—Talk (Eng.); Music.  
02.52-03.00—Programmes.

**WAYNE** (13.94 m.)  
13.00—Organ; Music.  
13.45—Radio Spotlight.  
14.00—Organ; Strings.  
14.55—News; Church of the Air.  
15.30—For Children.  
16.30—Major Bowes' Family.  
17.30-18.00—Choir and Organ. (19.65 m.)  
19.30—To be announced.  
20.00—Columbia Symphony Orchestra Conductor: Howard Barlow.  
21.00-21.30—Castillians.

22.00—Texas Rangers.  
22.30-23.00—Dance Music. (25.36 m.)  
23.30-04.00—For S. America.  
23.30—Phil Cook's Almanac; Variety; at 00.45—News (Sp.).  
02.00—Symphony Concert.  
03.00—Grand Central Station.  
03.30—International News. (49.02 m.)  
04.30-05.30—For S. America: Dance Music.

**ZEESEN** (19.85 m.)  
12.00-14.00—Light Music. (19.85 m.; 25.49 m.; 49.83 m.)  
16.40—Call (Ger., Eng.); Music.  
17.15—Fairy Play; Music.  
18.15—Sunday Programme; Marches.  
18.45—News; Concert.  
20.00—News (Eng.); Songs.  
21.00—Home and Overseas Programme; Sports.  
22.00-22.25—News (Ger., Eng.). (19.74 m.)  
17.10-18.25—Symphony Concert. (19.74 m.; 25.49 m.)  
22.50—Call (Ger., Eng.).  
23.00—Fairy Play; Marches.  
23.45—News; Orchestra; Sports.  
01.30—Pfte. Trio in E minor (Tchaikovsky).  
02.15—News (Eng.); Choir.

## MONDAY, June 13

### EMPIRE

**Transmission 1** (GSG, GSO, GSF, GSD, GSB)  
06.00—Big Ben; "In Town Tonight."

06.30—Amy Evans (Soprano).  
06.50—Talk on Astronomy.\*  
07.05—British Light Music.\*  
07.50-08.15—News.

**Transmission 2** (GSI, GSH, GSG, GSG)†  
11.45—Big Ben; "Rhythm Express."\*

12.30—England v. Australia.  
12.40—BBC Scottish Orchestra.  
13.20—England v. Australia.  
13.35—"Empire Exchange."  
13.55—Pfte. Music.  
14.15—England v. Australia.  
14.30—Big Ben; News.  
14.55-15.00—Interlude.†  
GSP 15.00-16.30, 19.6 m.—England v. Australia.  
GSD 16.45-18.40, 25.5 m.—England v. Australia.

**Transmission 3** (GSI until 16.30, GSH, GSG, GSG, a second transmitter until 17.00, GSF from 16.45)  
15.00—Big Ben; BBC West of England Singers.  
15.30—"In Town Tonight."\*

16.00—"The Adventures of Jack and Jill."\*  
16.40—Nancy Phillips (Violin).  
17.00—Big Ben; News.  
17.20—Musical Comedy selections.†  
17.30—England v. Australia.  
17.40—BBC Military Band.\*  
18.20-18.40—England v. Australia.

**Transmission 4** (18.20 - 22.00 GSG, GSI, GSD; 18.45-22.00 GSG; 19.30-22.00 GSB; 22.15-00.00 GSG, GSP, GSO, GSF, GSB)  
19.00—Big Ben; News.  
19.20—Light music.\*  
19.30—"Gibraltar:" historical survey.

20.00—BBC Symphony Orchestra.  
21.00—"Empire Exchange."\*

21.15—"Stop Dancing."\*  
21.45-22.00—For Farmers.  
22.15—Big Ben; News.  
22.35—England v. Australia.  
22.50—Dance Music.  
23.10-00.00—"Ways and Means," by Noel Coward.\*

**Transmission 5** (GSG, GSO, GSP, GSD, GSB)  
00.20—BBC Empire Orchestra: Piatiorsky (Cello).  
01.40—News.  
02.00-02.30—Big Ben; Grosvenor House Dance Band.

**Transmission 6** (GSI, GSD, GSC, GSB)  
03.20—Palace of Varieties.\*  
04.20—Ballet Music.†  
04.30—Big Ben; News.  
04.50-05.20—"Gibraltar:" historical survey.\*  
**Arabic Transmission** (GSP) 18.20-19.15.

**Spanish and Portuguese News** (GSO, GSB) 02.30-03.00.

**BOMBAY** (31.41 m.)  
07.00—Indian Music.  
08.30-09.30—European Music.

**BOSTON** (25.45 m.)  
21.30—World News.

21.50—News of Science.  
22.00—Music and Talks.  
22.55—URStigram.  
23.00—World News. (49.67 m.)  
00.00—Dinner-Hour Music.  
00.30—June Reveries.  
01.00-01.45—Sails and Sailors—The Compass. (25.57 m.)  
02.00-04.00—For Latin America.

**CHICAGO** (49.18 m.)  
23.00—Daily Sports Column.  
01.00—It May Have Happened.

**HUIZEN** (16.88 m.)  
13.25-15.30—For Dutch Indies. (31.28 m.)  
02.15-03.45—For South America.

**LYNDHURST** (31.32 m.)  
03.25—Stocks; Music; News.  
04.30-08.15—Music; Talk; Racing.  
09.30—Watchman; Music; News.  
11.0-18.30—National Programme, Including Description of the First Test Match, England v. Australia, at Trent Bridge, England; at 13.30—News.

**MILLIS** (31.35 m.)  
14.30—Breakfast Club.  
21.00—Radio "Round the Clock."

**MOSCOW** (25 m.)  
12.00 and 18.15—Talks (Ger.).  
21.00—Talks, etc. (It., Ger.).  
22.05—Talks (Eng., Hung.). (31.25 m.)

00.00—Programme in Spanish. (19.89 m.; 31.25 m.)  
01.00—Programme in English. (25 m.)  
02.30—Talks, etc. (Port.).  
04.15—Programme in English.

**PARIS-MONDIAL** (19.68 m.)  
12.00—News (Eng.); Concert.  
13.30—News; Talks; Records. (16.88 m.; 19.68 m.)  
14.30—Delmon Orchestra; Songs.  
15.55-16.00—Exchange. (25.24 m.; 31.41 m.)

16.15—News (Fr., Arabic); Music.  
18.50—Talk; News (Fr., Arabic).  
20.15-20.30—News (Eng., It.).  
22.30—Markets; News (Port.). (19.83 m.; 25.6 m.)  
00.00-02.15—Records; at 01.00—News (Fr., Sp., Port.). (25.24 m.; 25.6 m.)  
02.30—Records; News.  
04.00—News (Eng.); Records.  
04.45-05.00—News (Ger.).

**PITTSBURGH** (13.93 m.)  
11.45—Trail Blazers.  
12.15—Musical Clock.  
13.15—News; Musical Clock.  
13.30—William Meeder (Organ).  
13.45—Lucille and Lanny. (19.72 m.)

14.00—Kitty Keene.  
14.15—Linda's First Love.  
14.30—The Editor's Daughter.  
14.45—Shopping Circle.  
15.00—Just Neighbours.  
15.15—Asher and Little Jimmie.  
15.30—Variety.  
15.45—Ma Perkins.  
16.00—Mary Marlin.  
16.15—Vic and Sade.  
16.30—Pepper Young's Family.  
16.45—Getting the Most out of Life.

17.00—News; Harding's Wife.  
17.30—Farm and Home.  
18.30—Utility Hall.  
18.45—Thomas Conrad Sawyer.  
19.00—Betty and Bob.  
19.15—Arnold Grimm's Daughter.  
19.30—Valiant Lady.  
19.45—Hymns of all Churches.  
20.00—Attorney at Law.  
20.15—Home Forum.  
20.30—Federal Women's Club.  
20.45—WHK Revue.  
21.00—Club Matinée.  
21.15—Dale McFeatters, News Reeler.

21.30—Club Matinée.  
22.00—Kiddies' Klub.  
22.15—Baseball Resumé.  
22.30—The Singing Lady.  
22.45—Movie Magazine.  
23.00—News; Sports.  
23.15—Melody Master.  
23.30—Sports Column.  
23.45—Lowell Thomas. (25.26 m.)

00.00—Alias Jimmy Valentine.  
00.30—Tap Time.  
01.00—Steinie Bottle Boys.  
01.15—Adam and Eve.  
01.30—Those We Love.  
02.00—Now and Then.  
02.45—Paul Martin's Music.  
03.00—Magnolia Blossoms.

03.30—Radio Forum.  
(48.83 m.)  
04.00—News; Music You Want.  
05.00-06.00—Orchestras.

**PODEBRADY**

For Europe.  
(25.34 m.; 25.51 m.)  
19.55-22.30—News; Brass Band; Folk Music; European Review (Fr.); Music; at 20.40—News (Ger.); and at 22.00—News (Fr.).  
22.30-22.40—News (Eng.).

**ROME**

(25.4 m.)  
11.00-14.45—News; Music; Talks; at 12.00—News (Eng., Chin.).  
16.00—News; Light Music; Talk; News (Eng.); Sports; Opera.  
18.10—News, Music, Talk (Arabic).  
19.01—Talk (Fr.).  
19.19—News (Eng.).  
19.56—News and Italian Lessons (Serb, Fr., Ger.).  
21.00—From Turin Group; Talk (Esp.); Notes (Fr., Eng., Ger.).  
23.30—News (Sp., Greek).  
00.00—For Latin America; News; Music; Italian Lesson (Port.); News (Sp., Port.).  
01.30-03.00—For U.S.A.; News (Eng.); Song Duets; Talks; News.

**SCHENECTADY**

(13.95 m.)  
13.00—Children's Tales; Variety.  
14.40—News; Music; Variety.  
16.45-17.00—Hollywood Brevities. (19.57 m.)  
17.15—Bailey Axton (Tenor).  
17.30—Farm Programme; Variety.  
18.30—Words and Music.  
19.30—U.S. Navy Band.  
20.00—U.S. Travel (Fr.); Revue. (19.57 m.; 31.48 m.)  
21.00—Dance Hour; Music.  
22.00—American News Tower.  
22.15—Church in the Wildwood.  
22.30—Variety; Music.  
23.25—News and U.S. Travel. (31.48 m.)  
00.00-05.00—For Latin America.  
00.00—Music and Talk (Sp.).  
00.30—Stocks; Sports.  
00.50—News and Music (Sp.).  
01.30—Margaret Speaks (Soprano).  
02.00—Music for Moderns; Pfte.  
03.00—Marek Weber's Orchestra.  
03.30—Name your Number.  
04.00-05.00—Orchestras. (31.4 m.)  
00.30-04.00—For Latin America.  
00.30—Stocks; Sports.  
00.50—Music and News (Port.).  
02.00—Music for Moderns; Pftes.  
02.45—Portuguese Musicale.  
03.00—Stringing Along.  
03.30-04.00—Name your Number.

**TOKIO**

(19.79 m.; 25.42 m.)  
20.30-22.00—For Europe.  
20.30—Call; News (Eng.).  
20.45—Songs of the Nations.  
21.05—News (Ger.); Songs.  
21.35—News (Fr., Jap.); Anthem.

**VATICAN CITY**

(19.84 m.)  
16.30—Church Notes (It.). (50.26 m.)  
20.00—Church Notes (It.).

**WARSAW**

(22 m.; 26.01 m.)  
00.00—News (Pol., Eng.).  
00.10 (Tues.)—Talk (Eng.).  
00.15—Chopin Music; Talk.  
01.00—Folk Music; Poems.  
02.00-03.00—Polish Music.

**WAYNE**

(13.94 m.)  
12.30—Daily Almanac—Phil Cook.  
12.55—News; Music; Mail.  
14.25-15.00—News; Music. (19.65 m.)  
18.00—Popular Music.  
18.30—News; Stocks; Music.  
20.30—News; Songs.  
21.00—Dance Music; Songs.  
22.00—News; Dance Music.  
22.50-23.00—News; Stocks. (25.36 m.)  
23.30-04.00—For S. America: News; Variety. (49.02 m.)  
04.30-05.30—For S. America: Dance Music.

**ZEESEN**

(19.85 m.; 25.49 m.; 49.83 m.)  
16.40—Call (Ger., Eng.); Music.  
17.15—Songs.  
17.30—Pfte.: Papillons (Schumann).  
17.50—Concert; Reading.  
18.45—News; Greetings; Songs.  
20.00—News (Eng.); Topical.  
20.30—Alma Moodie (Violin).  
21.00—Folk Music; Topical.  
22.00-22.25—News (Ger., Eng.). (19.74 m.; 25.49 m.)  
22.50—Call (Ger., Eng.); Songs.  
23.45—News; Music; Topical.  
01.30—Home and Overseas Programme.

**TUESDAY, June 14**

**EMPIRE**

Transmission 1 (GSG, GSO, GSF, GSD, GSB)  
06.00—Big Ben; "Escape?" first-hand accounts by prisoners of War.\*

06.30—"Palace of Varieties."\*  
07.30—"Why Greek?" talk.  
07.45—Musical Interlude.†  
07.50-08.15—News.

Transmission 2 (GSJ, GSH, GSG, GSG‡)

11.45—Big Ben; England v. Australia.  
12.00—Tom Jenkins (Cinema Organ).  
12.15—"Made in Great Britain: Cheshire Cheese."\*  
12.45—Fred Hartley's Sextet.\*  
13.20—England v. Australia.  
13.35—BBC Military Band.\*  
14.15—England v. Australia.  
14.30—Big Ben; News.  
14.55-15.00—Interlude.†  
GSP 15.00-16.30, 19.6 m.—England v. Australia.  
GSD, 16.45-18.40, 25.5 m.—England v. Australia.

Transmission 3 (GSJ until 16.30, GSH, GSG, GSG‡, a second transmitter until 17.00 GSF from 16.45)

15.00—Big Ben; "Rhythm Express."\*  
15.45—Josephine Curtis (Contralto); John Amadio (Flautist).  
16.15—"Ways and Means," by Noel Coward.\*  
17.00—Big Ben; News.  
17.20—"Imitations."\*  
17.30—England v. Australia.  
17.40—North American—Indian Music.\*  
18.00—Reginald Foort (BBC Theatre Organ).  
18.25-18.40—England v. Australia.

Transmission 4 (18.20 - 22.00 GSG, GSI, GSD; 18.45-22.00 GSG‡, 19.30-22.00 GSB; 22.15-00.00 GSG, GSP, GSO, GSF, GSB)

19.00—Big Ben; News.  
19.20—Orchestral Music.†  
19.30—"Swift Serenade."\*  
20.00—BBC Empire Orchestra: Piatigorsky "Cello."\*  
21.20—"My Best News Story."\*  
21.40-22.00—Dale Smith and Stendale Bennett (Songs).  
22.15—Big Ben; News.  
22.35—England v. Australia.  
22.50—Michael Collins "Cello."\*  
23.10-00.00—"Rhythm Express."\*  
Transmission 5 (GSG, GSP, GSO, GSD, GSB)  
00.20—For Canadian listeners.  
00.40—The Old Gaity.\*  
01.40—News.  
02.00-02.30—Big Ben; Pujol and Cuervas (Guitars).

Transmission 6 (GSI, GSD, GSC, GSB)

03.20—"My Best News Story."\*  
03.40—Miriam Licette (Soprano).  
04.00—Fred Hartley's Sextet.\*  
04.30—Big Ben; News.  
04.50-05.20—"Made in Great Britain: Cheshire Cheese."\*  
Arabic Transmission (GSP)  
18.20-19.15

Spanish and Portuguese News (GSO, GSB) 02.30-03.00

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

06.00—Big Ben; "Escape?" first-hand accounts by prisoners of War.\*  
06.30—"Palace of Varieties."\*  
07.30—"Why Greek?" talk.  
07.45—Musical Interlude.†  
07.50-08.15—News.  
Transmission 2 (GSJ, GSH, GSG, GSG‡)  
11.45—Big Ben; England v. Australia.  
12.00—Tom Jenkins (Cinema Organ).  
12.15—"Made in Great Britain: Cheshire Cheese."\*  
12.45—Fred Hartley's Sextet.\*  
13.20—England v. Australia.  
13.35—BBC Military Band.\*  
14.15—England v. Australia.  
14.30—Big Ben; News.  
14.55-15.00—Interlude.†  
GSP 15.00-16.30, 19.6 m.—England v. Australia.  
GSD, 16.45-18.40, 25.5 m.—England v. Australia.

Transmission 3 (GSJ until 16.30, GSH, GSG, GSG‡, a second transmitter until 17.00 GSF from 16.45)

15.00—Big Ben; "Rhythm Express."\*  
15.45—Josephine Curtis (Contralto); John Amadio (Flautist).  
16.15—"Ways and Means," by Noel Coward.\*  
17.00—Big Ben; News.  
17.20—"Imitations."\*  
17.30—England v. Australia.  
17.40—North American—Indian Music.\*  
18.00—Reginald Foort (BBC Theatre Organ).  
18.25-18.40—England v. Australia.  
Transmission 4 (18.20 - 22.00 GSG, GSI, GSD; 18.45-22.00 GSG‡, 19.30-22.00 GSB; 22.15-00.00 GSG, GSP, GSO, GSF, GSB)  
19.00—Big Ben; News.  
19.20—Orchestral Music.†  
19.30—"Swift Serenade."\*  
20.00—BBC Empire Orchestra: Piatigorsky "Cello."\*  
21.20—"My Best News Story."\*  
21.40-22.00—Dale Smith and Stendale Bennett (Songs).  
22.15—Big Ben; News.  
22.35—England v. Australia.  
22.50—Michael Collins "Cello."\*  
23.10-00.00—"Rhythm Express."\*  
Transmission 5 (GSG, GSP, GSO, GSD, GSB)  
00.20—For Canadian listeners.  
00.40—The Old Gaity.\*  
01.40—News.  
02.00-02.30—Big Ben; Pujol and Cuervas (Guitars).

Transmission 6 (GSI, GSD, GSC, GSB)

03.20—"My Best News Story."\*  
03.40—Miriam Licette (Soprano).  
04.00—Fred Hartley's Sextet.\*  
04.30—Big Ben; News.  
04.50-05.20—"Made in Great Britain: Cheshire Cheese."\*  
Arabic Transmission (GSP)  
18.20-19.15

Spanish and Portuguese News (GSO, GSB) 02.30-03.00

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

06.00—Big Ben; "Escape?" first-hand accounts by prisoners of War.\*  
06.30—"Palace of Varieties."\*  
07.30—"Why Greek?" talk.  
07.45—Musical Interlude.†  
07.50-08.15—News.  
Transmission 2 (GSJ, GSH, GSG, GSG‡)  
11.45—Big Ben; England v. Australia.  
12.00—Tom Jenkins (Cinema Organ).  
12.15—"Made in Great Britain: Cheshire Cheese."\*  
12.45—Fred Hartley's Sextet.\*  
13.20—England v. Australia.  
13.35—BBC Military Band.\*  
14.15—England v. Australia.  
14.30—Big Ben; News.  
14.55-15.00—Interlude.†  
GSP 15.00-16.30, 19.6 m.—England v. Australia.  
GSD, 16.45-18.40, 25.5 m.—England v. Australia.

Transmission 3 (GSJ until 16.30, GSH, GSG, GSG‡, a second transmitter until 17.00 GSF from 16.45)

15.00—Big Ben; "Rhythm Express."\*  
15.45—Josephine Curtis (Contralto); John Amadio (Flautist).  
16.15—"Ways and Means," by Noel Coward.\*  
17.00—Big Ben; News.  
17.20—"Imitations."\*  
17.30—England v. Australia.  
17.40—North American—Indian Music.\*  
18.00—Reginald Foort (BBC Theatre Organ).  
18.25-18.40—England v. Australia.  
Transmission 4 (18.20 - 22.00 GSG, GSI, GSD; 18.45-22.00 GSG‡, 19.30-22.00 GSB; 22.15-00.00 GSG, GSP, GSO, GSF, GSB)  
19.00—Big Ben; News.  
19.20—Orchestral Music.†  
19.30—"Swift Serenade."\*  
20.00—BBC Empire Orchestra: Piatigorsky "Cello."\*  
21.20—"My Best News Story."\*  
21.40-22.00—Dale Smith and Stendale Bennett (Songs).  
22.15—Big Ben; News.  
22.35—England v. Australia.  
22.50—Michael Collins "Cello."\*  
23.10-00.00—"Rhythm Express."\*  
Transmission 5 (GSG, GSP, GSO, GSD, GSB)  
00.20—For Canadian listeners.  
00.40—The Old Gaity.\*  
01.40—News.  
02.00-02.30—Big Ben; Pujol and Cuervas (Guitars).

**MILLIS**

(31.35 m.)  
16.45—Edward MacHugh.  
23.45—Lowell Thomas.

**MOSCOW**

(25 m.)  
12.00 and 18.15—Talks (Ger.).  
21.00—Talks, etc. (It., Ger.).  
22.05—Talks (Dutch, Port.). (31.25 m.)  
00.00—Programme in Spanish. (19.89 m.; 31.25 m.)  
01.00—Programme in English. (25 m.)  
02.30—Programme in French.  
04.15—Programme in English.

**PARIS-MONDIAL**

(19.68 m.)  
12.00—News (Eng.); Concert.  
13.30—News; Talks; Records. (16.88 m.; 19.68 m.)  
14.30—"Amphytrion 38"—Play (Giraudoux).  
15.55-16.00—Exchange. (25.24 m.; 31.41 m.)  
16.15—News (Fr., Arabic); Music.  
18.50—Notes; News (Fr., Arabic).  
20.15-20.30—News (Eng., It.).  
22.30—Markets; News (Port.). (19.83 m.; 25.6 m.)  
00.00-02.15—Records; at 01.00—News (Fr., Sp., Port.). (25.24 m.; 25.6 m.)  
02.30—Records; News.  
04.00—News (Eng.); Records.  
04.45-05.00—News (Ger.).

**PITTSBURGH**

(13.93 m.)  
11.45—Farm Markets.  
12.00—Trail Blazers.  
12.15—Musical Clock.  
13.15—News; Musical Clock.  
13.30—Dick Liebent's Programme.  
13.45—Cowboy Slim. (19.72 m.)  
14.00—Kitty Keene.  
14.15—Linda's First Love.  
14.30—The Editor's Daughter.  
14.45—Shopping Circle.  
15.00—Just Neighbours.  
15.15—Asher and Little Jimmie.  
15.30—Variety.  
15.45—Ma Perkins.  
16.00—Mary Marlin.  
16.15—Vic and Sade.  
16.30—Pepper Young's Family.  
16.45—Getting the most out of life.  
17.00—News; Harding's Wife.  
17.30—Farm and Home.  
18.30—Afternoon Songsters.  
18.45—Rakov's Orchestra.  
19.00—Betty and Bob.  
19.15—Arnold Grimm's Daughter.  
19.30—Valiant Lady.  
19.45—Hymns of all Churches.  
20.00—Attorney at Law.  
20.15—Home Forum.  
20.30—U.S. Army Band.  
21.00—Club Matinée.  
21.15—Dale McFeeters, News Reeler.  
21.30—Club Matinée.  
22.00—The Four of Us.  
22.15—Baseball Resumé, New York v. Pittsburgh.  
22.30—The Singing Lady.  
22.45—Movie Magazine.  
23.00—News; Sports.  
23.15—Paul Sabin's Orchestra.  
23.30—Sports Column.  
23.45—Lowell Thomas. (25.26 m.)  
00.00—Easy Aces.  
00.15—Mr. Keen.  
00.30—Time Out—For Fun.  
01.00—Al Donahue's Orchestra.  
01.30—Information, please!  
02.00—Horace Heidt and his Brigadiers.  
02.30—Federal Symphony Orchestra.  
03.00—NBC Jamboree.  
03.30—Music all Our Own. (48.83 m.)  
04.00—News; Music You Want.  
05.00—Middleman's Orchestra.  
05.15—New Penn Orchestra.  
05.30-06.00—Bob Saunter's Orchestra.

**PODEBRADY**

For Europe.  
(25.34 m.; 25.51 m.)  
19.55-22.30—News; Music; Songs; Concert; Dance Music; at 20.40—News (Ger.) and at 22.00—News (Fr.).  
22.30-22.40—News (Eng.).

**ROME**

(25.4 m.)  
11.00-14.45—News; Music; Talks; at 12.00—News (Eng.).  
16.00—News; Music; News (Eng.).  
17.15—Music; Talk, News.  
18.10—News, Music, Talk (Arabic).  
19.01—Talks and News (Eng.).  
19.37—News (It.).  
19.56—News and Talk (Serb., Fr., Ger.).  
21.00—From Turin Group; Talks (Fr., Eng., Ger.).  
23.30—News (Sp., Greek).  
00.00—For Latin America: News;

Opera; For Uruguay; News (Sp., Port.).  
01.30-03.00—For U.S.A.: News (Eng.); Schubert Music; News.

**SCHENECTADY**

(13.95 m.)  
13.00—Children's Tales; Variety.  
14.40—News; Trio; Music.  
16.30—Musical Newsy.  
16.45-17.00—Hollywood Brevities. (19.57 m.)  
17.15—Bailey Axton (Tenor).  
17.30—Farm Programme; Variety.  
18.30—Words and Music.  
19.00—News, etc. (Fr., Eng.); Music.  
20.30—U.S. Marine Band. (19.57 m.; 31.48 m.)  
21.00—Dance Hour; Variety.  
22.00—American News Tower.  
22.15—Hollywood Brevities.  
22.30—Variety; Science; Songs.  
23.25—News; Mail; Programmes. (31.48 m.)  
00.00-05.00—For Latin America.  
00.00—English Lessons (Sp.).  
00.15—Vocal Varieties.  
00.30—Stocks; News (Sp.).  
01.00—Dance Music (Sp.).  
01.30—Wayne King's Serenade.  
02.00—Dance Music; Pfte.  
03.00—Believe it or not—Ripley.  
03.30—Talks (Sp., Eng.).  
04.00-05.00—Orchestras. (31.4 m.)  
00.30-04.00—For Latin America.  
00.30—Stocks; Sports.  
00.50—Music and News (Port.).  
01.30—South Sea Islanders.  
02.00—Portuguese Musicale.  
02.30-04.00—Jamboree; Dancing.

**TOKIO**

(19.79 m.; 25.42 m.)  
20.30-22.00—For Europe.  
20.30—Call; News (Eng.).  
20.45—Children's Songs.  
21.05—News (Ger.); Music.  
21.35—News (Fr., Jap.); Anthem.

**VATICAN CITY**

(19.84 m.)  
16.30—Church Notes (Eng.). (50.26 m.)  
20.00—Church Notes (Eng.).

**WARSAW**

(22 m.; 26.01 m.)  
00.00—News (Pol., Eng.).  
00.10 (Wed.)—For Poles abroad.  
00.15—Niewiadomski Songs.  
00.50—Talk (Eng.): Polish Finance; Choir; Talk.  
02.00-03.00—Polish Dances.

**WAYNE**

(13.94 m.)  
12.30—Daily Almanac—Phil Cook.  
12.55—News; Music.  
14.25-15.00—News; Music. (19.65 m.)  
18.00—Popular Music.  
18.30—News; Stocks; Music.  
19.30—U.S. Marine Band.  
20.00—Music; Song.  
21.00—Health Talk; Music; Songs.  
21.45—Questions before the House.  
22.15—Songs; Dance Music.  
22.50-23.00—News; Stocks. (25.36 m.)  
23.30-04.00—For S. America.  
23.30—News; Variety; at 01.00—Big Town—Drama with Edward G. Robinson and Claire Trevor; at 01.30—Al Jolson Show.  
03.45—American Viewpoints. (49.02 m.)  
04.30-05.30—For S. America: Dance Music.

**ZEESEN**

(19.85 m.; 25.49 m.; 49.83 m.)  
16.40—Call (Ger., Eng.); Music.  
17.15—The Happy Family; Music.  
17.50—Concert.  
18.15—Pfte. Sonata in C (Mozart).  
18.30—The Falt Boat Shipyard.  
18.45—News; Genealogy.  
19.15—"The Merry Widow" (Lehár).  
20.00—News (Eng.); Topical.  
20.30—"The Merry Widow" (Lehár).  
21.45—Chamber Music.  
22.00-22.25—News (Ger., Eng.). (19.74 m.; 25.49 m.)  
22.50—Call (Ger., Eng.); Songs.  
23.45—News; Reading.  
00.15—Chamber Music; Topical.  
01.30—Variety.

**WEDNESDAY, June 15**

**EMPIRE**

Transmission 1 (GSG, GSO, GSF, GSD, GSB)  
06.00—Big Ben; "Empire Exchange."\*  
06.15—Handel's Music.  
06.40—For Farmers.\*  
06.55—British Songs.\*  
07.50-08.15—News.

Transmission 2 (GSJ, GSH, GSG, GSG‡, GSF)  
11.45—Big Ben; "Palace of Varieties."\*  
12.45—"Gibraltar:" historical survey.\*  
13.15—"Men Who Make the Shows."\*  
13.35—Arias.†  
13.55—Mozart's Chamber Music.  
14.30—Big Ben; News.  
14.55-15.00—Interlude.†

**Transmission 3 (GSJ, GSH, GSG, GSG‡, a second transmitter until 17.00 GSF)**

15.00—Big Ben; Syncopated Piano music.†  
15.15—BBC Empire Orchestra: Arthur Fear (Baritone).  
16.15—"Take Your Choice."\*  
17.00—Big Ben; News.  
17.20—Amy Evans (Soprano).\*  
17.40-18.00—"World Affairs."\*

**Transmission 4 (18.20 - 22.00 GSG, GSI, GSD; 18.45-22.00 GSG‡, 19.30-22.00 GSB; 22.15-00.00 GSG, GSP, GSO, GSF, GSB)**

18.20—News.  
18.40—BBC Orchestra: May Mukle ("Cello").  
19.30—"Made in Great Britain: Cheshire Cheese."\*  
20.00—Geraldo's Concert Orchestra.  
21.00—"World Affairs."\*  
21.20—Act 2, "La Bohème" (Puccini).  
21.45—22.00—Berkeley Mason (Pfte.).  
22.15—Big Ben; News.  
22.35—Musical Interlude.†  
22.40—Act 4, "La Bohème" (Puccini).  
23.20—Memories of Daly's Theatre.†  
23.40-00.00—"World Affairs."\*

**Transmission 5 (GSG, GSP, GSO, GSD, GSB)**

00.20—"Empire Exchange."\*  
00.35—Geraldo's Concert Orchestra.\*  
01.40—News.  
02.00-02.30—Big Ben; Suggia ("Cello").

**Transmission 6 (GSI, GSD, GSC, GSB)**

03.20—"World Affairs."\*  
03.35—"Men Who Make the Shows."\*  
03.55—Ena Baga (BBC Theatre Organ).  
04.30—Big Ben; News.  
04.50 - 05.20—"Detectives in Fiction."\*

**Arabic Transmission (GSP)**

18.20-19.15.

**Spanish and Portuguese News (GSO, GSB) 02.30-03.00.**

**BOMBAY**

(31.41 m.)  
07.00—Indian Music.  
08.25—Markets.  
08.35-09.30—European Music.

**BOSTON**

(25.45 m.)  
21.30—World News.  
21.50—News of Science.  
22.00—Magna Carta Day Programme.  
22.30—Music and Talk.  
22.55—URSIgram.  
23.00—World News. (49.67 m.)  
00.00—Dinner-Hour Music.  
00.30—Cosmic Conditions and Radio Reception.  
00.45-01.45—Modern Radio—Direction Finding by Radio. (25.57 m.)  
02.00-04.00—For Latin America.

**BUDAPEST**

(32.88 m.)  
01.00-02.00 (Thurs.)—Marches; News; Folk-Music; Talks.

**CHICAGO**

(49.18 m.)  
00.45 (Thurs.)—Science.  
01.30—Hollywood News.

**HUIZEN**

(19.71 m.)  
15.30-17.00—For the East. (31.28 m.)  
01.15-02.15—For the West.

**LYNDHURST**

(31.32 m.)  
03.25—Stocks; Music; News.  
04.30-08.15—Concert; Racing.  
09.30—Watchman; Variety; News; at 12.00—National Military Band;  
13.00—Special Programme.  
13.30-14.30—News; Records.

**MILLIS**

(31.35 m.)  
14.55—News.  
23.45—Lowell Thomas.

**MOSCOW**

- (25 m.)  
12.00 and 18.15—Talks (Ger.); at 12.30—Talks, etc. (Eng.).  
21.00—Talks, etc. (It., Ger.).  
22.05—Talks (Fr., Ger.). (31.25 m.)  
00.00—Programme in Spanish. (19.89 m.; 31.25 m.)  
01.00—Programme in English. (25 m.)  
02.30—Programme in Dutch.  
04.15—Programme in English.

**PARIS-MONDIAL**

- (19.68 m.)  
12.00—News (Eng.); Concert.  
13.30—News; Talks; Records. (16.88 m.; 19.68 m.)  
14.30—Symphony Concert, Baritone  
15.55-16.00—Exchange. (25.24 m.; 31.41 m.)  
16.15—News (Fr., Arabic); Music.  
18.50—Talk, News (Fr., Arabic).  
20.15-20.30—News (Eng., It.).  
22.30—Markets; News (Port.). (19.85 m.; 25.6 m.)  
06.00-02.15—Records; at 01.00—News (Fr., Sp., Port.). (25.24 m.; 25.6 m.)  
02.30—Records; News.  
04.00—News (Eng.); Records.  
04.45-05.00—News (Ger.).

**PITTSBURGH**

- (13.93 m.)  
11.45—Farm Markets.  
12.00—Trail Blazers.  
12.15—Musical Clock.  
13.15—News.  
13.30—William Meeder (Organ).  
13.45—Lucille and Lanny. (19.72 m.)  
14.00—Kitty Keene.  
14.15—Linda's First Love.  
14.30—The Editor's Daughter.  
14.45—Shopping Circle.  
15.00—Just Neighbours.  
15.15—Asher and Little Jimmie; Variety.  
15.45—Ma Perkins.  
16.00—Mary Marlin.  
16.15—Vic and Sade.  
16.30—Pepper Young's Family.  
16.45—Getting the Most out of Life.  
17.00—News; Harding's Wife.  
17.30—Farm and Home.  
18.30—Voice of the Farm.  
18.45—Thomas Conrad Sawyer.  
19.00—Betty and Bob.  
19.15—Arnold Grim's Daughter.  
19.30—Valiant Lady.  
19.45—Betty Crocker.  
20.00—Attorney at Law.  
20.15—Home Forum.  
20.30—Maurice Spitalny's Orchestra.  
21.00—KDKA Bookworm.  
21.15—Dale McFeatters, News Reeler.  
21.30—Club Matinée.  
22.00—Kiddies Klub.  
22.15—Baseball Resumé — New York v. Pittsburgh.  
22.30—The Singing Lady.  
22.45—Movie Magazine.  
23.00—News; Sports.  
23.15—Melody Master.  
23.30—Sports Column.  
23.45—Lowell Thomas. (25.26 m.)

- 00.00—Easy Aces.  
00.15—Mr. Keen.  
00.30—Let's Celebrate.  
00.45—Vic Arden's Orchestra.  
01.00—Roy Shield Revue.  
01.15—Adam and Eve.  
01.30—Harriet Parsons.  
01.45—Barry McKinley.  
02.00—Tune Types.  
02.30—Boston Pop Concert.  
03.30—NBC Minstrels. (48.83 m.)  
04.00—News.  
04.15—Music You Want.  
05.00—Middleman's Orchestra.  
05.15—New Penn Orchestra.  
05.30-06.00—Teddy Hill's Orchestra.

**PODEBRADY**

- For Europe**  
(25.34 m.; 25.51 m.)  
19.55-22.30—News; Variety; Music and Songs; at 20.40—News (Ger.) and at 22.00—News (Fr.).  
22.30-22.40—News (Eng.).

**ROME**

- (25.4 m.)  
11.00—News; Opera Music.  
12.00-14.45—News (Eng.); Music; Talks (Chin., It.).  
16.00—News; Opera; News (Eng.); Sports; Music; News.  
18.10—News; Music, Talk (Arabic).  
19.01—Talk (Ger.).  
19.19—News (Eng., It.).  
19.56—News and Italian Lesson (Serb., Fr., Ger.).  
21.00—From Turin Group.  
21.20—From Warsaw.  
22.05—From Turin Group.  
23.30—News (Sp., Greek).

- 00.00—For Latin America; News; Songs; Talk; News (Sp., Port.).  
01.30-03.00—For U.S.A.: News (Eng.); Music; Talk; News.

**SCHENECTADY**

- (13.95 m.)  
13.00—Children's Tales; Variety.  
14.40—News; Trio; Variety.  
16.30—Sweethearts of the Air.  
16.45-17.00—Hollywood Brevities. (19.57 m.)  
17.15—The Kidoodlers.  
17.30—Farm Programme.  
18.00—Concert Ensemble; Pftes.  
18.30—Words and Music.  
19.00—News, etc. (Fr., Eng.).  
19.45—Waltzes; Variety; Music. (19.57 m.; 31.48 m.)  
21.00—Dance Hour; Music.  
22.00—American News Tower.  
22.15—Church in the Wildwood.  
22.30—Variety; Schools.  
23.25—News; Alma Kitchell. (31.48 m.)  
00.00-05.00—For Latin America.  
00.00—Sketch (Sp.); Uncle Ezra.  
00.30—Stocks; News (Sp.).  
01.00—Latin American Concert.  
02.00—Town Hall—Fred Allen.  
03.00—Music Class and Dance.  
04.00—Orchestra; Brigadiers. (31.4 m.)  
00.30-04.00—For Latin America.  
00.30—Stocks; News (Port.).  
01.00—Latin American Concert.  
02.00—Tune Types; Music (Port.).  
03.00—Choir; Soprano.  
03.30-04.00—Portuguese Musicale.

**TOKIO**

- (19.79 m.; 25.42 m.)  
20.30-22.00—For Europe.  
20.30—Call; News (Eng.).  
20.45—Talk (Fr.).  
21.05—News (Ger.); Music.  
21.35—News (Fr., Jap.); Anthem.

**VATICAN CITY**

- (19.84 m.)  
16.30—Church Notes (Sp.). (50.26 m.)  
20.00—Church Notes (Eng.).

**WARSAW**

- (22 m.; 26.01 m.)  
00.00—News (Pol., Eng.).  
00.10 (Thurs.)—Sports Talk (Eng.); Songs; Zither.  
00.50—Talk; Songs; Reading.  
02.00-03.00—Military Band.

**WAYNE**

- (13.94 m.)  
12.30—Daily Almanac—Phil Cook.  
12.55—News; Music.  
14.25-15.00—News; Music. (19.65 m.)  
18.00—Popular Music.  
18.30—News; Stocks; Variety.  
20.30—News; Variety.  
23.00-23.05—News; Stocks. (25.36 m.)  
23.30-04.00—For S. America; News; Variety; at 01.00—Cavalcade of America; at 02.00—Kostelanetz' Orchestra and Grace Moore. (49.02 m.)  
04.30-05.30—For S. America; Dance Music.

**ZEESEN**

- (19.85 m.; 25.49 m.; 49.83 m.)  
16.40—Call (Ger., Eng.); Music.  
17.15—Reading; Pfte.  
17.50—Concert.  
18.15—Youth Programme.  
18.45—News; Choirs.  
19.30—A Visit to Cologne (Eng.).  
20.00—News (Eng.); Talk; Press.  
20.45—Variety; Records.  
22.00-22.45—News (Ger., Eng.). (19.74 m.; 25.49 m.)  
22.50—Call (Ger., Eng.).  
23.00—The Happy Family.  
23.15—Pfte. Sonata (Mozart).  
23.30—Genealogy.  
23.45—News; Music; Reading.  
00.30—"The Merry Widow" (Lehár).  
01.15—Topical; Youth Programme.

**THURSDAY, June 16****EMPIRE**

- Transmission 1 (GSG, GSO, GSF, GSD, GSB)  
06.00—Big Ben; "Take Your Choice."  
06.45—"World Affairs."  
07.00—BBC Empire Orchestra.  
07.50-08.15—News.  
Transmission 2 (GSJ, GSH, GSG, GSG+, GSF)  
11.45—Big Ben; BBC N. Ireland Orchestra.  
12.30—"At the Black Dog."  
13.00—Ruth Pearl (Violin).  
13.15—The Old Gaity."  
14.15—"World Affairs."  
14.30—Big Ben; News.  
14.55-15.00—Interlude.†  
Transmission 3 (GSJ, GSH, GSG, GSG+, a second transmitter until 17.00 GSF)  
15.00—Big Ben; Excerpts from "The Marriage of Figaro" (Mozart).†  
15.30—Mid-Week Service.  
16.00—York Bowen (Pfte.).  
16.20—"The Dansant."  
17.00—Big Ben; News.  
17.20—For listeners in India.  
17.35-18.00—Medvedeff's Balalaika Orchestra.  
Transmission 4 (18.20 - 22.00 GSG, GSI, GSD; 18.45-22.00 GSG+; 19.30-22.00 GSB; 22.15-00.00—GSG, GSP, GSO, GSF, GSB)  
18.20—News.  
18.40—"At the Black Dog."\*  
19.10—"The Nightingale," by Francis Dillon.\*  
19.45—Talk on Astronomy.  
20.00—The Trout Fisherman at Work.  
20.15—Dance Music.  
20.35—Racing Commentary.  
20.40—Colonial Service Dinner.  
21.20-22.00—"Cads College."  
22.15—Big Ben; News.  
22.35—Lieder.†  
22.50—Topical talks.  
23.10-00.00—"Take Your Choice."\*  
Transmission 5 (GSG, GSP, GSO, GSD, GSB)  
00.20—"Why Greek?" talk.\*  
00.35—Colonial Service Dinner.\*  
01.15—"Haunting Harmonies."  
01.35—Racing Commentary.  
01.40—News.  
02.00 02.30—Big Ben; BBC Singers: Ernest Lush, Berkeley Mason (Pftes.).  
Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- 15.00—Big Ben; Excerpts from "The Marriage of Figaro" (Mozart).†  
15.30—Mid-Week Service.  
16.00—York Bowen (Pfte.).  
16.20—"The Dansant."  
17.00—Big Ben; News.  
17.20—For listeners in India.  
17.35-18.00—Medvedeff's Balalaika Orchestra.

- Transmission 4 (18.20 - 22.00 GSG, GSI, GSD; 18.45-22.00 GSG+; 19.30-22.00 GSB; 22.15-00.00—GSG, GSP, GSO, GSF, GSB)  
18.20—News.  
18.40—"At the Black Dog."\*  
19.10—"The Nightingale," by Francis Dillon.\*  
19.45—Talk on Astronomy.  
20.00—The Trout Fisherman at Work.

- 20.15—Dance Music.  
20.35—Racing Commentary.  
20.40—Colonial Service Dinner.  
21.20-22.00—"Cads College."  
22.15—Big Ben; News.  
22.35—Lieder.†  
22.50—Topical talks.  
23.10-00.00—"Take Your Choice."\*  
Transmission 5 (GSG, GSP, GSO, GSD, GSB)  
00.20—"Why Greek?" talk.\*  
00.35—Colonial Service Dinner.\*  
01.15—"Haunting Harmonies."  
01.35—Racing Commentary.  
01.40—News.  
02.00 02.30—Big Ben; BBC Singers: Ernest Lush, Berkeley Mason (Pftes.).

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

- Transmission 6 (GSI, GSD, GSG, GSB)  
03.20—Topical talks.\*  
03.40—BBC Empire Orchestra.  
04.30—Big Ben; News.  
04.50-05.20—"At the Black Dog."\*  
Arabic Transmission (GSP) 18.20-19.15  
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

**PITTSBURGH**

- (13.93 m.)  
11.45—Farm Markets.  
12.00—Trail Blazers.  
12.15—Musical Clock.  
13.15—News.  
13.30—Dick Liebert's Programme.  
13.45—Vass Family. (19.72 m.)  
14.00—Kitty Keene.  
14.15—Linda's First Love.  
14.30—The Editor's Daughter.  
14.45—Shopping Circle.  
15.00—Just Neighbours.  
15.15—Asher and Little Jimmie; Variety.  
15.45—Ma Perkins.  
16.00—Mary Marlin.  
16.15—Vic and Sade.  
16.30—Pepper Young's Family.  
16.45—Getting the Most out of Life.

- 17.00—News; Harding's Wife.  
17.30—Farm and Home.  
18.30—Voice of the Farm.  
18.45—Peggy Tudor.  
19.00—Betty and Bob.  
19.15—Arnold Grimm's Daughter.  
19.30—Valiant Lady.  
19.45—Hymns of all Churches.  
20.00—Attorney at Law.  
20.15—Home Forum.  
20.30—Joe Green's Orchestra.  
21.00—Club Matinée.  
21.15—Dale McFeatters, News Reeler.  
21.30—Club Matinée.  
22.00—The Four of Us.  
22.15—Baseball Resumé—New York v. Pittsburgh.  
22.30—The Singing Lady.  
22.45—Movie Magazine.  
23.00—News; Orchestra.  
23.30—Sports Column.  
23.45—Lowell Thomas. (25.26 m.)

- 00.00—Easy Aces.  
00.15—Mr. Keen.  
00.30—Let's Celebrate.  
00.45—Steinie Bottle Boys.  
01.00—March of Time.  
01.30—Rhythm School.  
01.45—Choir Symphonette.  
02.00—Toronto Promenade Orchestra.  
03.00—Music; Variety.  
03.30—KDKA Round-up. (48.83 m.)  
04.00—News; Music You Want.  
05.00-06.00—Orchestras.

**PODEBRADY**

- For Europe**  
(25.34 m.; 25.51 m.)  
19.55-22.30—News; Light Music; at 20.40—News (Ger.), and at 22.00—News (Fr.).  
22.30-22.40—News (Eng.).

**ROME**

- (25.4 m.)  
11.00-14.45—News; Music; Talks; at 12.00—News (Eng.).  
16.00—News; Music; News (Ben., Eng.); Sports; Opera.  
18.10—News, Music, Talk (Arabic).  
19.1—Talk in Czech.  
19.19—News and Talk (Eng.).  
19.37—News (It., Serb.).  
20.15—News and Talk (Fr., Ger.).  
21.00—From Turin Group; Notes (Fr., Eng., Ger.).  
23.30—News (Sp., Greek).  
00.00—For Latin America: News; Music; Italian Lesson (Sp.); News (Sp., Port.).  
01.30-03.00—For U.S.A.: News (Eng.); Opera; Talk; News.

**SCHENECTADY**

- (13.95 m.)  
13.00—Children's Tales; Variety.  
14.40—News; Trio; Variety.  
16.30—Musical Newsvy.  
16.45-17.00—Hollywood Brevities. (19.57 m.)  
17.15—Griffin (Baritone).  
17.30—Farm Programme; Music.  
19.00—News (Fr., Eng.); Music.  
20.15—Asher and Little Jimmie.  
20.30—Novelty Orchestra. (19.57 m.)  
21.00—Dance Hour; Echoes.  
21.30—Half and Half.  
22.00—American News Tower.  
22.15—Hollywood Brevities.  
22.30—Science Forum; Comments.  
23.15—Three Manhattanites.  
23.25—News; Music. (31.48 m.)

- 00.00-05.00—For Latin America.  
00.00—Music (Sp.); Variety.  
00.30—Stocks; News (Sp.).  
01.00—Rudy Vallee.  
02.00—Good News of 1938.  
03.00—Bing Crosby.  
04.00-05.00—Sports; Orchestras. (31.4 m.)  
00.30-04.00—For Latin America.  
00.30—Stocks; Music (Port.).  
01.00—The Portuguese Hour.  
02.00—Russian Ballads.  
02.30—Portuguese Musicale.  
03.30-04.00—Promenade Concert.

**TOKIO**

- (19.79 m.; 25.42 m.)  
20.30-22.00—For Europe.

- 20.30—Call; News (Eng.).  
20.45—Talk (Eng.).  
21.05—News (Ger.); Pfte.  
21.35—News (Fr., Jap.); Anthem.

**VATICAN CITY**

- (19.84 m.)  
16.30—Church Notes (Fr.). (50.26 m.)  
20.00—Church Notes (Fr.).

**WARSAW**

- (22 m.; 26.01 m.)  
00.00—News (Pol., Eng.); Talk.  
00.15 (Fri.)—Talk; Songs.  
00.50—Talk (Eng.): Polish History; Polish Folk Music; Mail.  
02.00-03.00—Music Festival from Wawel Castle, Cracow.

**WAYNE**

- (13.94 m.)  
12.30—Daily Almanac—Phil Cook.  
12.55—News; Music; Songs.  
14.25-15.00—News; Music. (19.65 m.)  
18.00—Popular Music.  
18.30—News; Stocks; Music.  
20.00—Ray Block's Varieties.  
20.30—U.S. Army Band.  
21.00—Variety; at 21.45—Current Questions before the Senate.  
23.00-23.05—News; Stocks. (25.36 m.)  
23.30-04.00—For S. America.  
23.30—News; Variety; at 02.00—Major Bowes' Amateurs. (49.02 m.)  
04.30-05.30—For S. America; Dance Music.

**ZEESEN**

- (19.85 m.; 25.49 m.; 49.83 m.)  
16.40—Call (Ger., Eng.); Music.  
17.15—Talk; Wolf Songs.  
17.45—Greetings (Afrikaans); Concert.  
18.15—Talk; News; Band.  
20.00—News (Eng.); Topical.  
20.30—In a Big City.  
21.15—Records.  
22.00-22.25—News (Ger., Eng.). (19.74 m.; 25.49 m.)  
22.50—Call (Ger., Eng.); Songs.  
23.30—Talk; News.  
00.00—Munich Philharmonic.  
01.15—Topical.  
01.30—A Visit to Cologne (Eng.).

**FRIDAY, June 17****EMPIRE**

- Transmission 1 (GSG, GSO, GSF, GSD, GSB)  
06.00—Big Ben; BBC Empire Orchestra; Piatigorsky ('Cello').\*  
07.20—"My Best News Story."\*\*  
07.40—"Next Week's Programmes."  
07.50—News.  
08.15-08.20—Racing Commentary.  
Transmission 2 (GSJ, GSH, GSG, GSG+, GSF)  
11.45—Big Ben; "For Sailors."  
12.00—North American-Indian Music.\*  
12.20—Dance Music.  
12.40—Topical talks.\*  
13.00—See 06.00.\*  
14.20—"Next Week's Programmes."  
14.30—Big Ben; News.  
14.55-15.00—Interlude.†

- Transmission 3 (GSJ to 15.30, GSH, GSG, GSG+, a second transmitter until 17.00; GSF from 15.45)  
15.00—Big Ben; "Palace of Varieties."  
16.00—"My Best News Story."\*\*  
16.20—"Next Week's Programmes."  
16.30—"The Open Road."  
17.00—Big Ben; News.  
17.20—18.00—Colonial Service Dinner.\*

- Transmission 4 (19.00 - 22.00 GSG, GSI, GSD; 18.45-22.00 GSG+; 19.30-22.00 GSB; 22.15-00.00 GSG, GSP, GSO, GSF, GSB)  
18.20—News.  
18.40—Topical talks.\*  
19.00—"Take Your Choice."\*\*  
19.50—"Next Week's Programmes."  
20.00—Violoncello Music.†  
20.15—Act 3, "Die Meistersinger" (Wagner).  
21.20-22.00—Variety.  
22.15—News.  
22.35—"Next Week's Programmes."  
22.45—Excerpt from Act 3, "Die Meistersinger" (Wagner).  
23.35-00.00—Noël Coward (Songs).†

- Transmission 5 (GSG, GSP, GSO, GSD, GSB)  
00.20—"The Open Road."\*\*  
00.50—Talk on Astronomy.\*  
01.05—Reginald Foort (BBC Theatre Organ).  
01.30—"Next Week's Programmes."  
Transmission 6 (19.00 - 22.00 GSG, GSI, GSD; 18.45-22.00 GSG+; 19.30-22.00 GSB; 22.15-00.00 GSG, GSP, GSO, GSF, GSB)

- 18.20—News.  
18.40—Topical talks.\*  
19.00—"Take Your Choice."\*\*



01.40—News.
02.00-02.30—Big Ben; Crystal Palace Band.
Transmission 6 (GSI, GSD, GSC, GSB)
03.20—"Take Your Choice."\*
04.05—Irene Kohler (Pfte.).
04.30—Big Ben; News.
04.50—Amy Evans (Soprano)\*
05.10-05.20—"Next Week's Programmes."

Arabic Transmission (GSP) 18.20-19.15.
Spanish and Portuguese News (GSO, GSB) 02.30-03.00.

BOMBAY (31.41 m.)
07.00—Indian Music.
08.35-09.30—European Music.

BOSTON (25.45 m.)
21.30—World News.
21.50—News of Science.
22.00—Music and Talks.
22.55—URSIgram.
23.00—World News. (49.67 m.)

00.00—Dinner-Hour Music.
00.45—Pathways to Peace.
01.00—Musical Programme.
01.30-01.45—Mail-Bag. (25.57 m.)
02.00-04.00—For Latin America.

CHICAGO (49.18 m.)
00.00—Jack Baker (Tenor).
01.30 (Sat.)—Death Valley Days.

HUIZEN (16.88 m.)
13.25-15.30—For Dutch Indies.

LYNDHURST (31.32 m.)
03.25—Stocks; Music; News.
06.00-08.00—For Schools; Music.
09.30—Watchman; Variety; News.
12.30—18th-Century Musical Comedy.
13.30-14.30—News; Records.

MILLIS (31.35 m.)
14.55—News.
23.45—Lowell Thomas.

MOSCOW (25 m.)
12.00 and 18.15—Talks (Ger.).
21.00—Talks, etc. (It., Ger.).
22.05—Talks (Eng., Ger.). (31.25 m.)
00.00—Programme in Spanish. (19.89 m.; 31.25 m.)
01.00—Programme in English. (25 m.)
02.30—Talks (Portuguese).
04.15—Programme in English.

PARIS-MONDIAL (19.68 m.)
12.00—News (Eng.); Concert.
13.30—News; Talks; Records. (16.88 m.; 19.68 m.)
14.30—"Les Saltimbanques" (Ganne).
15.55-16.00—Exchange. (25.24 m.; 31.41 m.)
16.15—News (Fr., Arabic); Music.
18.50—Talk; News (Fr., Arabic).
20.15-20.30—News (Eng., It.).
22.30—Markets; News (Port.). (19.83 m.; 25.6 m.)
00.00-02.15—Records; at 01.00—News (Fr., Sp., Port.). (25.24 m.; 25.6 m.)
02.30—Records; News.
04.00—News (Eng.); Records.
04.45-05.00—News (Ger.).

PITTSBURGH (13.93 m.)
11.45—Farm Markets.
12.00—Trail Blazers.
12.15—Musical Clock.
13.15—News.
13.30—Jerry Sears and his Music Makers. (19.72 m.)
14.00—Kitty Keene.
14.15—Linda's First Love.
14.30—The Editor's Daughter.
14.45—Shopping Circle.
15.00—Just Neighbours.
15.15—Asher and Little Jimmie; Variety.
15.45—Ma Perkins.
16.00—Mary Marlin.
16.15—Vic and Sade.
16.30—Pepper Young's Family.
16.45—Getting the Most out of Life.
17.00—News; Harding's Wife.
17.30—Farm and Home.
18.30—Voice of the Farm.
18.45—Jack and Loretta Clemens.
19.00—Betty and Bob. (19.65 m.)
19.15—Arnold Grimm's Daughter.
19.30—Valiant Lady.
19.45—Betty Crocker.
20.00—Attorney at Law.

20.15—Home Forum.
20.30—Baseball Game—Philadelphia v. Pittsburgh.
22.15—Dale McFeatters, News Reeler.
22.30—Movie Magazine.
22.45—Dog Heroes.
23.00—News; Sports.
23.15—Melody Master.
23.30—Sports Column.
23.45—Lowell Thomas. (25.26 m.)

00.00—The Four of us.
00.15—Music is My Hobby.
00.30—Let's Celebrate.
00.45—Adam and Eve.
01.00—Spitalny's Orchestra.
01.30—Music; Variety.
02.00—Royal Crown Revue.
02.30—NBC Spelling Bee.
03.00—Paul Martin's Music.
03.30—Music; Variety. (48.83 m.)
04.00—News; Music You Want.
05.00—Middleman's Orchestra.
05.15—DX Club.
05.30—New Penn Orchestra.
05.45-06.00—Lew Bonick's Orchestra.

PODEBRADY For Europe (25.34 m.; 25.51 m.)
19.55-22.30—News; Waltzes; Variety; Concert; Sacred Music; Eighth Symphony (Beethoven); at 20.40—News (Ger.) and at 22.00—News (Fr.).
22.30-22.40—News (Eng.).

ROME (25.4 m.)
11.00-14.45—News; Music; Talks; at 12.00—News (Eng.).
16.00—News; Trio; News (Eng.).
17.15—Songs; News; Sports.
18.10—News, Music, Talk (Arabic).
19.01—Talk (Dutch).
19.19—News (Eng., It.).
19.56—News and Italian Lessons (Serb., Fr., Ger.).
21.00—From Turin Group.
23.30—News (Sp., Greek); Pfte.
00.00—For Latin America; News; Quartet; Talk; News (Sp., Port.).
01.30-03.00—For U.S.A.: News (Eng.); Music; Talk; News.

SCHENECTADY (13.95 m.)
13.00—Children's Tales; Variety.
14.40—News; Trio; Variety.
16.30—Sweethearts of the Air.
16.45-17.00—Hollywood Brevities. (19.57 m.)
17.15—Edward Gamage (Tenor).
17.30—Farm Programme; Variety.
18.30—Words and Music.
19.00—News (Fr.).
19.15—New World Salutes the Old.
19.30—Famous Americans; Records.
20.00—Radio Guild. (19.57 m.)
21.00—What's Ahead; Music.
21.30—Matinée Melodies.
22.00—American News Tower.
22.15—Church in the Wildwood.
22.30—Variety; Education; Pfte.
23.25—News; Home Talks (Sp.). (31.48 m.)
00.00-05.00—For Latin America.
00.00—Dance (Sp.); Uncle Ezra.
00.30—Stocks; News (Sp.).
01.30—Farm Forum; Waltzes.
02.30—Spanish Literature.
03.00—The First Nighter.
03.30—Hollywood Gossip.
03.45-05.00—Comments; Variety. (31.4 m.)
00.30-04.00—For Latin America.
00.30—Stocks; Music (Port.).
01.00—Portuguese Hour; Dancing.
02.30—The Classics.
03.00-04.00—Music (Port.); Dances.

TOKIO (19.79 m.; 25.42 m.)
20.30-22.00—For Europe.
20.30—Call; News (Eng.).
20.45—Music; News (Ger.).
21.15—Japanese Music.
21.35—News (Fr., Jap.); Anthem.

VATICAN CITY (19.84 m.)
16.30—Church Notes (Ger. and It.). (50.26 m.)
20.00—Church Notes (Ger.).

WARSAW (22 m.; 26.01 m.)
00.00—News (Pol., Eng.).
00.10 (Sat.)—Programmes (Eng.); Polish Music; Talk.
01.50-02.00—Talk (Fr.); Music.

WAYNE (13.94 m.)
12.30—Daily Almanac—Phil Cook.
12.55—News; Music; Variety.
14.25-15.00—News; Music. (19.65 m.)
18.00—Popular Music.
18.30—News; Stocks; Variety.
20.15—First Orchestral Concert of the International Society for Con-

temporary Music—BBC Symphony Orchestra and Choir from the Queen's Hall, London.
21.00—Variety; Music at 21.45—World Economic Co-operation.
22.50-23.00—News; Stocks. (25.36 m.)
23.30-04.00—For S. America.
23.30—News; Music.
00.30—Science; News (Sp.).
01.00—Americans at Work.
01.30—Paul Whiteman's Orchestra.
02.00—Hollywood Hotel.
03.00—Columbia Square.
03.45—American Viewpoints. (49.02 m.)
04.30-05.30—For S. America: Dance Music.

ZEESEN (19.85 m.; 25.49 m.; 49.83 m.)
16.40—Call (Ger., Eng.); Music.
17.15—Violin and Pfte. Sonata (Medner).
17.50—Concert.
18.15—The Schmidts at Home (Eng.).
18.30—Talk.
18.45—News.
19.00—Mozart and Haydn Music.
20.15—Topical; Markets.
20.45—"Shadow Play"—Musical Fantasy (Eng.).
21.30—Popular Songs.
22.00-22.25—News (Ger., Eng.). (19.74 m.; 25.49 m.)
22.50—Call (Ger., Eng.); Talk.
23.30—Talk; News; Songs.
00.15—Military Band.
01.15—Topical.
01.30—In a Big City.

SATURDAY, June 18

EMPIRE
Transmission 1 (GSG, GSO, GSF, GSD, GSB)
06.00—Big Ben; "At the Black Dog."
06.30—David Buchan (Pfte. improvisations).
06.40—The Old Gaiety.\*
07.40—"London Log."\*
07.50-08.15—News.

Transmission 2 (GSI, GSH, GSG, GSG, GSF)
11.45—Big Ben; "Take Your Choice."\*
12.30—Edward Isaacs (Pfte.).
12.50—Colonial Service Dinner.\*
13.30—Gerald's Concert Orchestra.\*
14.30—Big Ben; News.
14.55-15.00—Interlude.†

Transmission 3 (GSI, GSH, GSG, GSG), a second transmitter until 17.00 GSF
15.00—Big Ben; Athletics.
15.40—The Trout Fisherman at Work.\*
16.00—"At the Black Dog."\*
16.30—Fred Hartley's Sextet.\*
17.00—Big Ben; News.
17.30-18.00—Dance Music.

Transmission 4 (19.00-22.00 GSG, GSI, GSD; 18.45-22.00 GSG; 19.30-22.00 GSB; 22.15-00.00 GSG, GSP, GSO, GSF, GSB)
18.20—News.
18.45—"Rhythm Express."\*
19.30—"In Town Tonight."\*
20.00—Music-Hall.
21.00—"London Log."\*
21.10—Lilly Phillips (Cello); Anne Mukle (Pfte.).
21.45-22.00—Lancashire v. Australians.
22.15—Big Ben; News.
22.40—Dance Music.
23.10—"For Sailors."\*
23.25-00.00—"At the Black Dog."\*

Transmission 5 (GSG, GSP, GSO, GSD, GSB)
02.00—"In Town Tonight."\*
00.50—"The House that came Back," by Norah Richardson.\*
01.40—News.
02.05-02.30—"Musical Variety."\*

Transmission 6 (GSI, GSD, GSC, GSB)
03.20—"London Log."\*
03.30—Gerald's Concert Orchestra.\*
04.30—Big Ben; News.
04.55—David Buchan (Pfte. improvisations).\*
05.05-05.20—The Trout Fisherman at Work.\*

Arabic Transmission (GSP) 18.20-19.15
Spanish and Portuguese News (GSO, GSB) 02.30-03.00

BOMBAY (31.41 m.)
07.00—Indian Music.
08.35-09.30—European Music.

BOSTON (19.67 m.)
19.30—Monitor views the News.

(25.45 m.)
21.50—Science; URSIgram.
22.00—World Youth speaks.
23.00—Monitor views the News.
BUDAPEST (32.88 m.)
00.00-01.00 (Sun.)—Orchestra; News; Folk-Music; Play; Talk.

CHICAGO (49.18 m.)
23.00—Tune Twisters.
00.30—Joe Sudy's Orchestra.

HUIZEN (16.88 m.)
13.25-15.30—For Dutch Indies.

LYNDHURST (31.32 m.)
03.25—Stocks; Records; Shipping.
04.00—News; Music.
04.15-03.30—Racing; Music.
09.30—Markets; Sports; Records.
10.15—News; Sports; Music.
12.00—Story or Discussion.
12.15—"Cross Purposes"—Revue.
12.45—Special Programme.
13.15—Records.
13.30-15.00—News; Dance Music.

MILLIS (31.35 m.)
14.30—Breakfast Club.
03.00—NBC Symphony Orchestra.

MOSCOW (25 m.)
12.00 and 18.15—Talks (Ger.).
21.00—Talks, etc. (It., Ger.).
22.05—Talks, etc. (Fr., Sp.). (31.25 m.)
00.00—Programme in Spanish. (19.89 m.; 31.25 m.)
01.00—Programme in English. (25 m.)
02.30—Programme in French.
04.15—Programme in English.

PARIS-MONDIAL (19.68 m.)
12.00—News (Eng.); Music.
13.30—News; Talks; Records. (16.88 m.; 19.68 m.)
14.30—Goldy Orchestra, Songs.
15.40-16.00—Songs and Mandoline. (25.24 m.; 31.41 m.)
16.15—News (Fr., Arabic); Music.
18.50—Talks; News (Fr., Arabic).
20.15-20.30—News (Eng., It.).
22.45-23.00—News (Port.). (19.83 m.; 25.6 m.)
00.00-02.15—Records; at 01.00—News (Fr., Sp., Port.). (25.24 m.; 25.6 m.)
02.30—Records; News.
04.00—News (Eng.); Talk; Records.
04.45-05.00—News (Ger.).

PITTSBURGH (23.93 m.)
11.45—Farm Markets.
12.00—Musical Clock.
12.15—Trail Blazers.
12.30—Musical Clock.
13.15—News.
13.30—Dick Liebhart's Programme.
13.45—Jack and Loretta Clemens. (19.72 m.)
14.00—Breakfast Club; News.
15.00—Sweethearts of the Air.
15.15—Viennese Ensemble.
15.30—The Child Grows Up.
15.45—Swing Serenade.
16.00—Vaughn de Leath (Blues).
16.15—Minute Men.
16.30—Our Barn.
17.00—News.
17.15—Carol Weymann.
17.30—Farm and Home.
18.30—Hotel Lexington Orchestra.
19.00—Jean Ellington (Songs).
19.15—Kidoodlers.
19.30—Bill Krenz's Orchestra.
20.00—Baseball Game—Philadelphia v. Pittsburgh.
22.00—Dale McFeatters, News Reeler.
22.15—Trio Time.
22.30—Paul Sabin's Orchestra.
22.45—Movie Magazine.
23.00—News; Sports.
23.15—Music; Variety.
23.30—Sports Column.
23.45—Rakov's Orchestra. (25.26 m.)
00.00—Message of Israel.
00.30—Uncle Jim's Question Bee.
01.00—Melody Serenade.
01.30—Music; Variety.
02.00—Barn Dance.
03.00—Concert in Rhythm.
03.30—Nano Rodrigo's Orchestra. (48.83 m.)
04.00—News; Music You Want.
05.00—Horace Heidt's Orchestra.
05.30-06.00—Far North Messages.

ROME (25.4 m.)
11.00—News; Opera Music.
12.00—News (Eng., Fr.); Songs; News (Jap., It.).
13.30-14.15—Opera; Talk; News.
16.00—News (It., Fr.); Chamber Music; News (Hindu., Eng.).
17.15—Sports; Music; News.
18.10—News, Music, Talk (Arabic).
19.01—Talk (Esp.).
19.19—News (Eng., It., Serb.).
20.15—News and Talk (Fr.).
20.36—News and Mail (Ger.).
21.00—From Turin Group; Talks (Ger., Fr., Eng.).
23.30—News and Talk (Sp.).
23.45—News (Greek).
00.00—For Latin America; News; Opera; Talk; News (Sp., Port.).
01.30-03.00—For U.S.A.: News (Eng.); Music; Talk; News.

SCHENECTADY (13.95 m.)
13.00—Children's Stories; Variety.
14.40—News; Music; Variety.
15.30—Music International.
16.00—Florence Hale Forum.
16.15—Ford Rush; Silent Slim.
16.30—Half-Past Eleven.
16.45—Serving the Consumer. (19.57 m.)
17.15—Carol Weymann (Soprano).
17.30—Farm Programme.
18.00—Music Styled For You.
18.30—Your Host is Buffalo.
19.00—Music for Everyone.
19.30—Campus Capers.
20.00—Golden Melodies.
20.30—Swingology. (19.57 m.; 31.48 m.)
21.00—For Stamp Collectors.
21.15—Men of the West.
21.30—Top Hatters.
22.00—Music; Variety.
23.00—El Chico, Spanish Revue.
23.25—News; Sports.
23.45—Religion in the News. (31.48 m.)
00.00-05.00—For Latin America.
00.00—Kindergarten.
00.30—Stocks; Sports.
00.45—Barry McKinley (Baritone).
01.00—Madriguera's Orchestra.
02.00—Rhythm; Music; Variety.
03.00—NBC Symphony Orchestra.
04.30—George Crook (Organ).
04.45-05.00—King's Jesters. (31.4 m.)
00.30-04.00—For Latin America; Stocks; Music; Variety; at 03.00—NBC Symphony Orchestra.

TOKIO (19.79 m.; 25.42 m.)
20.30-22.00—For Europe.
20.30—Call; News (Eng.).
20.45—Variety or Commentaries.
21.05—News (Ger.); Pfte.
21.35—News (Fr., Jap.); Anthem.

VATICAN CITY (19.84 m.)
16.30—Church Notes (Polyglot). (50.26 m.)
20.00—Church Notes (Polyglot).

WARSAW (22 m.; 26.01 m.)
00.00—News (Pol., Eng.).
00.10 (Sun.)—Programmes.
00.15—Polish Music.
00.50—Talk (Eng.); Vocal Quartet.
01.30—Music and Literature.
02.00—Polish Music.
02.52-03.00—Programmes.

WAYNE (13.94 m.)
13.00—Music; at 14.55—News.
17.00-18.00—Music; Dancing. (19.65 m.)
19.30—Music; Variety.
21.15—The Dwyer Stakes—Belmont Park Race Track; Songs.
22.00—Columbia Concert Orchestra. Conductor: Leon Goldman.
22.30-23.00—Swing Session. (25.36 m.)
23.30-04.00—For S. America.
23.30—Artie Shaw Orchestra.
00.00—Syncopation Piece; Music.
00.45—News (Sp.); Swing Session.
01.30—Russ Morgan Orchestra.
02.00—Professor Quiz; Rhythm.
03.00—Hit Parade.
03.45—Capitol Opinions. (49.02 m.)
04.30-05.30—For S. America.

ZEESEN (19.85 m.; 25.49 m.; 49.83 m.)
16.40—Call (Ger., Eng.); Music.
17.15—Haydn Music.
17.50—Concert; Variety; Talk.
18.45—News; Variety.
20.00—News (Eng.); Topical.
20.30—Dance Music.
22.00-22.25—News (Ger., Eng.). (19.74 m.; 25.49 m.)
22.50—Call (Ger., Eng.); Music.
23.45—News; Variety; Topical.
01.30—"Shadow Play" (Eng.).

LYNDHURST (31.32 m.)
03.25—Stocks; Records; Shipping.
04.00—News; Music.
04.15-03.30—Racing; Music.
09.30—Markets; Sports; Records.
10.15—News; Sports; Music.
12.00—Story or Discussion.
12.15—"Cross Purposes"—Revue.
12.45—Special Programme.
13.15—Records.
13.30-15.00—News; Dance Music.

MILLIS (31.35 m.)
14.30—Breakfast Club.
03.00—NBC Symphony Orchestra.

MOSCOW (25 m.)
12.00 and 18.15—Talks (Ger.).
21.00—Talks, etc. (It., Ger.).
22.05—Talks, etc. (Fr., Sp.). (31.25 m.)
00.00—Programme in Spanish. (19.89 m.; 31.25 m.)
01.00—Programme in English. (25 m.)
02.30—Programme in French.
04.15—Programme in English.

PARIS-MONDIAL (19.68 m.)
12.00—News (Eng.); Music.
13.30—News; Talks; Records. (16.88 m.; 19.68 m.)
14.30—Goldy Orchestra, Songs.
15.40-16.00—Songs and Mandoline. (25.24 m.; 31.41 m.)
16.15—News (Fr., Arabic); Music.
18.50—Talks; News (Fr., Arabic).
20.15-20.30—News (Eng., It.).
22.45-23.00—News (Port.). (19.83 m.; 25.6 m.)
00.00-02.15—Records; at 01.00—News (Fr., Sp., Port.). (25.24 m.; 25.6 m.)
02.30—Records; News.
04.00—News (Eng.); Talk; Records.
04.45-05.00—News (Ger.).

PITTSBURGH (23.93 m.)
11.45—Farm Markets.
12.00—Musical Clock.
12.15—Trail Blazers.
12.30—Musical Clock.
13.15—News.
13.30—Dick Liebhart's Programme.
13.45—Jack and Loretta Clemens. (19.72 m.)
14.00—Breakfast Club; News.
15.00—Sweethearts of the Air.
15.15—Viennese Ensemble.
15.30—The Child Grows Up.
15.45—Swing Serenade.
16.00—Vaughn de Leath (Blues).
16.15—Minute Men.
16.30—Our Barn.
17.00—News.
17.15—Carol Weymann.
17.30—Farm and Home.
18.30—Hotel Lexington Orchestra.
19.00—Jean Ellington (Songs).
19.15—Kidoodlers.
19.30—Bill Krenz's Orchestra.
20.00—Baseball Game—Philadelphia v. Pittsburgh.
22.00—Dale McFeatters, News Reeler.
22.15—Trio Time.
22.30—Paul Sabin's Orchestra.
22.45—Movie Magazine.
23.00—News; Sports.
23.15—Music; Variety.
23.30—Sports Column.
23.45—Rakov's Orchestra. (25.26 m.)
00.00—Message of Israel.
00.30—Uncle Jim's Question Bee.
01.00—Melody Serenade.
01.30—Music; Variety.
02.00—Barn Dance.
03.00—Concert in Rhythm.
03.30—Nano Rodrigo's Orchestra. (48.83 m.)
04.00—News; Music You Want.
05.00—Horace Heidt's Orchestra.
05.30-06.00—Far North Messages.

ROME (25.4 m.)
11.00—News; Opera Music.
12.00—News (Eng., Fr.); Songs; News (Jap., It.).
13.30-14.15—Opera; Talk; News.
16.00—News (It., Fr.); Chamber Music; News (Hindu., Eng.).
17.15—Sports; Music; News.
18.10—News, Music, Talk (Arabic).
19.01—Talk (Esp.).
19.19—News (Eng., It., Serb.).
20.15—News and Talk (Fr.).
20.36—News and Mail (Ger.).
21.00—From Turin Group; Talks (Ger., Fr., Eng.).
23.30—News and Talk (Sp.).
23.45—News (Greek).
00.00—For Latin America; News; Opera; Talk; News (Sp., Port.).
01.30-03.00—For U.S.A.: News (Eng.); Music; Talk; News.

SCHENECTADY (13.95 m.)
13.00—Children's Stories; Variety.
14.40—News; Music; Variety.
15.30—Music International.
16.00—Florence Hale Forum.
16.15—Ford Rush; Silent Slim.
16.30—Half-Past Eleven.
16.45—Serving the Consumer. (19.57 m.)
17.15—Carol Weymann (Soprano).
17.30—Farm Programme.
18.00—Music Styled For You.
18.30—Your Host is Buffalo.
19.00—Music for Everyone.
19.30—Campus Capers.
20.00—Golden Melodies.
20.30—Swingology. (19.57 m.; 31.48 m.)
21.00—For Stamp Collectors.
21.15—Men of the West.
21.30—Top Hatters.
22.00—Music; Variety.
23.00—El Chico, Spanish Revue.
23.25—News; Sports.
23.45—Religion in the News. (31.48 m.)
00.00-05.00—For Latin America.
00.00—Kindergarten.
00.30—Stocks; Sports.
00.45—Barry McKinley (Baritone).
01.00—Madriguera's Orchestra.
02.00—Rhythm; Music; Variety.
03.00—NBC Symphony Orchestra.
04.30—George Crook (Organ).
04.45-05.00—King's Jesters. (31.4 m.)
00.30-04.00—For Latin America; Stocks; Music; Variety; at 03.00—NBC Symphony Orchestra.

TOKIO (19.79 m.; 25.42 m.)
20.30-22.00—For Europe.
20.30—Call; News (Eng.).
20.45—Variety or Commentaries.
21.05—News (Ger.); Pfte.
21.35—News (Fr., Jap.); Anthem.

VATICAN CITY (19.84 m.)
16.30—Church Notes (Polyglot). (50.26 m.)
20.00—Church Notes (Polyglot).

WARSAW (22 m.; 26.01 m.)
00.00—News (Pol., Eng.).
00.10 (Sun.)—Programmes.
00.15—Polish Music.
00.50—Talk (Eng.); Vocal Quartet.
01.30—Music and Literature.
02.00—Polish Music.
02.52-03.00—Programmes.

WAYNE (13.94 m.)
13.00—Music; at 14.55—News.
17.00-18.00—Music; Dancing. (19.65 m.)
19.30—Music; Variety.
21.15—The Dwyer Stakes—Belmont Park Race Track; Songs.
22.00—Columbia Concert Orchestra. Conductor: Leon Goldman.
22.30-23.00—Swing Session. (25.36 m.)
23.30-04.00—For S. America.
23.30—Artie Shaw Orchestra.
00.00—Syncopation Piece; Music.
00.45—News (Sp.); Swing Session.
01.30—Russ Morgan Orchestra.
02.00—Professor Quiz; Rhythm.
03.00—Hit Parade.
03.45—Capitol Opinions. (49.02 m.)
04.30-05.30—For S. America.

# What Would You

	SUNDAY, June 12	MONDAY, June 13	TUESDAY, June 14
<b>Symphony Concerts Operas</b>	2.40 Hilversum 2: From Scheveningen. 5.5 Stockholm: Orchestra, 'cello. 7.10 Cologne: "Der-Rosenkavalier." 8.0 Munich: "La serva padrona" (records). 8.15 Bucharest: "Der Freischütz." 9.10 Brno, Prague: Symphony (Dvořák). 9.10 Rome group: "Siberia" (Giordano). 12.0-3.0 Stuttgart, Frankfurt: Handel.	7.25 Vienna: "Tosca" (from State Opera) 7.50 Hilversum 2: "The Magic Flute." 8.0 Hamburg: Schumann, Erdlen. 8.0 National: Sir Adrian Boult. 8.30 Lille: Conservatoire concert. 8.30 Radio-Paris most German stations: French music. 9.0 Brussels 2: Orchestra, bass.	8.0 Beromünster: "Fidelio." 8.0 Prague: "The House of the Dead." 8.0 Warsaw, Oslo: Polish music. 8.30 Eiffel Tower: French music, etc. 8.30 Paris (PTT), etc.: "La Traviata." 9.0 Turin group: "Siberia" (Giordano). 10.15 Stockholm: Svendsen No. 2, etc. 12.0 Stuttgart, Frankfurt: Wagner, etc.
<b>Chamber Music Recitals</b>	4.0 Brussels 1: Trios, songs. 5.0 Beromünster: Viola, quintet. 5.0 Warsaw: Sztompka (pfte.). 5.5 Oslo: Song, Hardanger violin. 6.0 Regional: Haydn programme. 7.30 Budapest: Choir. 8.0 Eiffel Tower: Song, pianoforte. 8.0 Kalundborg: Workers' choirs. 8.50 Sottens: Women's choir. 9.5 Hilversum 2: Organ, bass, vln. 10.0 National: Sonata (Brahms). 10.30 Stockholm: Brahms's "Marienlieder."	12.10 Hilversum 1: Organ. 4.0 Paris (PTT): Organ. 6.40 Hilversum 2: Trout Quintet (Schubert). 7.10 Leipzig: Songs to the guitar. 8.30 Bucharest: Quartet (Mozart). 8.40 Oslo: Finnish songs. 9.0 Paris (PTT): Schubert's Trout Quintet, etc. 9.15 Frankfurt: Trios. 9.20 Munich: Quartet (Schubert). 9.30 Kalundborg: Vln., pfte. sonata. 10.35 Prague: Romanian 'cello music.	3.40 Hilversum 1: Chamber orch. 5.0 Budapest: Old Hungarian songs. 6.10 Warsaw: 'Cello (Handel, Bach). 6.30 Paris (PTT): Trios (Haydn, Fauré). 8.0 Eiffel Tower: Song, pianoforte. 8.15 Radio-Paris: Pfte., songs, quartet. 8.15 Stockholm: Song, pfte. 8.30 Strasbourg, Brussels 1: From Strasbourg Cathedral. 10.20 Leipzig: The Rome Quartet. 10.35 Königsberg: Organ, choir.
<b>Plays and Feature Programmes</b>	8.30 Breslau: By 'Plane through Germany. 8.30 Paris (PTT), etc.: "Petite Peste." 8.55 Beromünster: "Winke, bunter Wimpel." 9.10 Turin group: One-act comedy.	7.10 Frankfurt: "Der Türmer." 7.15 Sottens: "Micro-Magazine." 8.0 Budapest: "Torquato Tasso" (Goethe). 8.30 Paris (PTT): "La veillée Orléanaise." 10.45 Paris (PTT): Esperanto play.	8.0 National: "George Edwardes." 9.0 Poste Parisien: "La Comtesse ma Mère." 9.0 Rome group: "L'uomo di Birzulah." 9.30 Radio-Paris: "Eve et Line" (Pirandello).
<b>Light Orchestral Bands Operettas</b>	4.0 Saarbrücken, etc.: Orch. and vocal. 5.45 Radio-Paris: Marley Orchestra. 6.15 Brussels 2: Salon orch., soprano. 7.30 Stockholm: "Springtime in Vienna." 8.0 Berlin: Orch., arias, 2 pfte. 8.0 Stuttgart: "The Gipsy Baron." 8.0 Vienna: Strauss waltzes. 8.10 Hilversum 1: Popular prog. 8.20, 9.30 Sottens: Radio Orchestra. 8.25 Oslo: Famous overtures. 8.30 Brussels 1, Radio-Paris: Orchestra, violin. 8.30 Kalundborg: Johann Strauss. 8.30 Lille: Radio Orchestra, songs. 9.40 Budapest: Hungarian music. 10.10 Hilversum 2: Kovacs Lajos Orch. 10.30 Berlin: Hans Bund Band. 10.30 Deutschlandsender: Dobrindt Orch. 11.0 Brussels 2: Restaurant orch. 12.0-3.0 Hamburg, etc.: Serenade.	2.30 Kalundborg: Radio Orchestra. 4.0 Deutschlandsender: Light orch. 5.0 Radio-Paris: Giardino Orch. 5.10 Cologne: Orchestra, pfte. 5.30 Budapest 1: Military Band. 6.0 Berlin: Light classics. 6.20 Prague: Band concert. 7.10 Munich: Light-hearted prog. 7.30 Königsberg: Arco's Band. 7.30 Stockholm: Radio Orchestra. 7.55 Hilversum 1: Arnhem Orch. 8.0 Berlin: Film Music, dances. 8.0 Frankfurt: Light music, dances. 8.30 Radio Eireann: Irish music, etc. 9.0 Rome group: "Princess Liana." 9.30 Swiss stations: New Swiss music. 10.15 Kalundborg: Danish music. 10.15 Oslo: Bergen Radio Orchestra. 10.30 Cologne, etc.: Orchestra, 'cello. 10.50 Hilversum 2: Hotel orchestra. 11.10 Budapest: Operetta records. 12.0-3.0 German stations: Serenade.	12.0 Kalundborg: Restaurant orch. 12.20 Radio-Paris: Bailly Orchestra. 4.0 Stuttgart, Deutschlandsender: Orch., choir, soprano. 5.0 Swiss Stations: Radio Orch. 6.10 Hilversum 2: Paul Lincke prog. 6.20 Prague: Salon orchestra. 7.15 Cologne: Radio Orchestra. 7.55 Hilversum 1: Russian music. 8.0 Brussels 2: Accordions, songs. 8.0 Budapest: Military Band. 8.0 Stuttgart, etc.: Light-hearted music. 8.10 Deutschlandsender: Dobrindt Orchestra. 9.10 Hilversum 1: Dances, light orch. 9.15 Breslau: Silesian peasant music. 9.15 Kalundborg: Opera music. 10.0 Sottens: Orchestra, pianoforte. 10.15 Oslo: A Musical Journey. 10.20 Kalundborg: Popular orchestral. 10.30 Hamburg, etc.: Light and dance music. 11.10 Budapest: Cigány Band.
<b>Talks (including News in English) Commentaries</b>	3.45 Radio-Paris: "Le Prix du Jockey Club." 4.10 Hilversum 2: Holland v. France (Polo). 5.0 Paris (PTT): Second round of International Football Cup.	At intervals National, Regional: Test Match. 5.30 Brussels 1: Lemonnier anniversary. 7.10 Lille: English talk. 11.0 Budapest: News in English.	At intervals National, Regional: Test Match. 7.19 Rome 2: News in English. 9.30 Regional: Ben Foord v. Eddie Phillips. 11.0 Prague: News in English.
<b>Variety Cabaret</b>	7.32 Radio-Paris: Bilboquet. 8.0 Brussels 2: Variety concert. 8.30 Eiffel Tower: Variety.	7.0 National: "The Bungalow Club." 7.10 Breslau: "Blue Monday." 8.30 Brussels 1: Cabaret. 9.5 Post Parisien: Max Regnier.	8.0 Leipzig: Musical variety. 8.10 Hilversum 2: Variety: "The Tuesday Night Train." 10.30 Poste Parisien: Cabaret.
<b>Dance Music</b>	8.0 Deutschlandsender; 10.5, Poste Parisien; 10.10, Brussels 2; 10.40, Budapest, Königsberg, etc.; 11.0, Radio-Paris, Strasbourg; 11.15, Kalundborg, Turin group.	9.30 Brussels 1; 9.45, Budapest; 10.25, Regional; 11.5, National; 11.15, Kalundborg, Rome, Turin groups.	5.0 Brussels 2; 6.25, Budapest; 6.40, Hilversum 2; 8.30, Cologne; 10.50, Hilversum 2; 10.55, Regional; 11.10, Kalundborg; 11.15, National, Rome group.

# Like To Hear ?

WEDNESDAY, June 15	THURSDAY, June 16	FRIDAY, June 17	SATURDAY, June 18
<p>7.0 Radio Eireann: Beethoven prog. 8.0 Warsaw, Paris (PTT), Turin (9.20): Symphony (Paderewski), etc. 8.25 Oslo: Grieg anniversary. 8.30 Lille: "Wilhelm Tell." 8.30 Regional, National (10.0): "La Bohème" (with Beniamino Gigli). 9.0 Stockholm: Court Orchestra. 9.15, 10.15 Prague: Two Baroque period operas.</p>	<p>3.15 National: From Bournemouth. 7.10 Cologne: Orch., choirs, soloists. 7.10 Königsberg: Brahms No. 3, etc. 7.55 Hilversum 2: Beethoven's Ninth. 8.0 Frankfurt: Swedish, Finnish programme. 8.45 Radio-Paris: "The Barber of Seville." 9.0 Kalundborg: Berlioz, Franck, Roussel. 9.0 Rome group: "Der Rosenkavalier."</p>	<p>6.25 National, Brussels 1 (8.20): "Die Meistersinger." 7.40 Hilversum 1: Mass in B minor (Bach). 8.0 Brussels 2: Contemporary music. 8.0 Strasbourg group: "Salammbô" (Reyer). 8.30 Lille: "Hérodiade" (Massenet). 8.30 Paris (PTT) group: Brahms, Casella, etc. 9.45 Budapest: Brahms, Schumann.</p>	<p>5.0 Radio-Paris: Widor Festival. 7.40 Hilversum: "Siegfried" (Acts 2, 3). 8.0 Budapest: In honour of Admiral Horthy's Birthday. 8.30 Sottens: Orchestra, violin. 9.0 Turin group: "Der Rosenkavalier."</p>
<p>1.55 Hilversum 1: Trios. 4.50 Berlin: Quintet (Schubert). 5.0 Brussels 1: Contemporary quartets. 6.20 Leipzig: Quartets. 7.0 Brussels 2: Song. 8.0 Eiffel Tower: Pianoforte, viola. 9.15 Sottens: Song and poetry. 9.30 Cologne: Vln., pfte. (Mozart). 9.30 Vienna: Quartet (Beethoven). 10.20 Kalundborg: Trio (Lange-Müller). 11.15 Stockholm: Vocal quartet.</p>	<p>5.10 Hilversum 1: Children's choir. 6.0 Deutschlandsender: Bach, etc. 6.30 Paris (PTT): Organ. 7.10 Hilversum 2: Palla (organ). 7.30 Strasbourg: Czech pfte. music. 8.50 Beromünster: Sacred music. 9.15 Prague, Strasbourg group: 17th, 18th century sacred music. 9.45 Hilversum 1: Song. 10.0 Budapest: Chamber orchestra. 10.0 Warsaw: Polish music. 10.20 National: Quartets.</p>	<p>2.40 Hilversum 1: Sonatas, arias. 5.0 Radio-Paris: Trios, song. 5.15 Prague: 17th and 18th century music. 6.30 Brussels 1: Pfte., song. 6.30 Paris (PTT): Nonets. 7.30 Oslo: Accordions. 10.15 Oslo: Pfte., violin sonata (Brahms). 10.30 Prague: Quartet (Moyzes). 11.0 Cologne: Chamber orch., two violins. 11.0 Radio-Paris: Choir, orch., etc.</p>	<p>4.0 Brussels 1: Quartets, poetry. 4.30 Paris (PTT): Old music. 5.5 Stockholm: Song, pianoforte. 6.15 Brussels 2: Sonatas. 7.30 Oslo: Song, Hardanger violin. 8.0 Kalundborg: Danish songs. 8.15 Beromünster: Choir. 9.15 Prague: Baroque period serenades. 10.20 Budapest: Károlyi (pfte.). 10.30 Deutschlandsender: Trio (Haydn). 10.30 National: German sacred music.</p>
<p>7.15 Sottens: "Micro-Magazine." 8.30 Eiffel Tower: Three short plays. 10.5 Paris (PTT): "Au Café du Commerce."</p>	<p>3.45 Eiffel Tower: "La Chanson de Roland." 8.10 Beromünster: "Heimkehr" (Vögtlin). 8.30 Paris (PTT): "Ramuntcho" (Pierre Loti) with Pierné's music.</p>	<p>7.15 Sottens: "Micro-Magazine." 8.15 Breslau: "The Victors." 8.30 Eiffel Tower: "Great Eras in French Music and Literature." 8.30 Radio-Paris: "Le Roi Soleil." 8.50 Vienna: "Das tote Herz." 11.0 Paris (PTT): "Le Foyer."</p>	<p>8.20 Regional: "Weep for Polyphemus." 8.30 Lille: Three plays. 8.30 Radio-Paris: Molière: Excerpts. 11.0 Paris (PTT): "Tennis" (Léon Ruth).</p>
<p>12.15 Radio-Paris: Light orchestral. 2.0 Kalundborg: Salon orchestra. 5.0 Beromünster: Radio Orchestra. 5.0 Radio-Paris: Cantrelle Orchestra. 5.15 Strasbourg: Popular orchestral. 6.15 Budapest: Radio Orchestra. 7.10 Frankfurt, etc.: Opera music. 7.25 Prague: Variety concert. 7.30 Hamburg: Light-hearted classics. 8.0 Berlin: Orchestra, choir. 8.0 Brussels 1: "The Tsarevitch" (Lehár). 8.0 Budapest: Hungarian orchestral. 8.0 Munich: Sudeten German music. 8.10 Hilversum 1: Mandolines. 8.30 Strasbourg, etc.: Ballet music. 9.30 Breslau: "Melody and Rhythm." 10.30 Oslo: Norwegian dances. 10.30 Vienna, etc.: Popular prog. 12.0-3.0 a.m. German stations: Serenade.</p>	<p>12.20 Radio-Paris: Giardino Orch. 3.30 Kalundborg: Restaurant Orch. 7.35 Radio Eireann: Radio Orch. 7.55 Hilversum 1: NCRV Orchestra. 8.0 Deutschlandsender: Operetta music. 8.0 Munich: "Gipsy Love" (Lehár). 8.0 Sottens: Conductor, Hans Haug. 8.0 Vienna, Berlin: Orch., tenor. 8.10 Breslau: Orchestral dances. 8.30 Bordeaux - Lafayette, Eiffel Tower: Variety prog. 8.30 Bucharest: Radio Orchestra. 9.0 Brussels 1: English music. 9.10 Hamburg: Popular Hamburg music. 9.15 Lille: Operetta music, etc. 10.15 Oslo: Popular orchestral. 10.15 Stockholm: Naval Band. 10.30 Stuttgart, etc.: Popular programme. 11.10 Budapest: Cigány Band. 12.0-3.0 German stations: Serenade.</p>	<p>12.0 Kalundborg: Louis Preil's Ensemble. 12.10 Hilversum 1: Salon orchestra. 5.0 Beromünster: Radio Orchestra. 5.0 Brussels 2: Salon orchestra, soprano. 5.15 Strasbourg: French music. 6.30 Budapest: "Lili" (Hervé). 7.10 Frankfurt: Operetta music, etc. 7.25 Warsaw: Light Polish music. 7.35 Prague: Orchestra, two violins. 7.55 Beromünster: "The Count of Luxembourg." 8.0 Leipzig, Hamburg: Waltzes. 8.20 Sottens: Band, women's choir. 9.0 Turin group: Studio operetta. 9.10 Warsaw: Offenbach operetta. 10.20 Breslau: Contemporary music. 10.20 Kalundborg: Mandolines, Old Time dances. 10.30 Leipzig, etc.: Dance and light music. 12.0-3.0 a.m. German stations: Opera music, etc.</p>	<p>12.15 Radio-Paris: Bailly Orchestra. 2.30 Kalundborg: Radio Orchestra. 3.30 Stockholm: Rossini, Delius, etc. 3.40 Hilversum 1: Pop. orchestral. 4.0 Cologne, etc.: Popular tunes. 8.0 Berlin: Marches; Waltzes. 8.0 Breslau: Variety concert. 8.15 Brussels 1: Orchestral and vocal. 8.15 Bucharest: Salon orchestra. 8.30 Oslo: Popular orchestral. 8.30 Paris (PTT): Conductor, Tomasi. 8.30 Stockholm: Old Time dances. 8.30 Strasbourg: Military Band. 8.40 Radio Eireann: American Minstrel Tunes. 9.10 Warsaw: Wind Band. 9.40 Beromünster: Folk-music. 10.30 Vienna: "And To-morrow will be Sunday." 11.0 Brussels 2: Restaurant orch. 12.0-3.0 a.m. German stations: Light and dance music.</p>
<p>6.30 Radio - Paris: "Opera in France." 11.0 Budapest: News in English. 11.45 Stockholm, etc.: Speech by Crown Prince at Royal Banquet.</p>	<p>2.20 Regional: The Ascot Gold Cup. Throughout the day Stockholm, Kalundborg (2.55), Oslo (8.30): Celebrations of the King of Sweden's 80th birthday. 11.0 Prague: News in English.</p>	<p>7.19 Rome 2: News in English. 8.0 Paris (PTT): "Wagner and French Opera." 9.40 Sottens: League of Nations Report. 10.5 Moscow: English talk.</p>	<p>3.0 National: Athletics commentaries. 7.10 Lille: English talk. 7.19 Rome 2: News in English. 9.20 National: American Commentary.</p>
<p>8.0 Brussels 2: Variety. 9.0 Radio - Paris: Soirée de Chansons. 9.10 Poste Parisien: Max Regnier. 9.20 National: Hail, Variety!</p>	<p>8.45 Leipzig: Cabaret. 8.45 Regional: Cabaret. 9.0 Sottens: Soirée de chansons. 9.20 National: "Cads College." 9.40 Hilversum 2: Variety.</p>	<p>5.0 Poste Parisien: Cabaret. 7.10 Munich, Deutschlandsender: Cabaret. 9.15 Regional: Variety.</p>	<p>8.0 Brussels 2: Cabaret. 8.0 Königsberg: Variety. 8.0 National: Music-Hall. 9.10 Radio-Paris: Variety. 10.30 Prague: Revue (records).</p>
<p>5.0 Warsaw; 10.10, Brussels 1; 10.15, Sottens, Stockholm; 10.25, Regional; 10.30, Brussels 2; 10.55, Kalundborg; 11.15, National; 11.25, Budapest.</p>	<p>5.0 Brussels 2; 9.15, Budapest; 10.10, Brussels 2; 10.25, Regional; 10.50, Hilversum 2; 11.0, Kalundborg; 11.15, National, Turin group.</p>	<p>8.50 Budapest; 10.10, Brussels 1; 10.25, Regional; 11.15, Rome, Turin groups; 11.35, National.</p>	<p>6.0 Oslo; 6.20, Sottens; 9.30, Kalundborg: Radio Ball; 10.10, Brussels 2; 10.15, Oslo, Sottens, Stockholm; 10.20, Beromünster; 10.30, Regional, Rome group; 11.0, National, Radio-Paris, Strasbourg; 11.10, Budapest.</p>



SUNDAY (June 12)

12.31—Salon Orchestra, Conductor: Féron (Violin); at 1.0—News. 1.30-2.0—Records of Hildegarde. 2.15—Request Music. 2.45—Musical Monologues. 3.15 — "De Zuidster" Royal Trumpeter Corps, Conductor: Ardenois, and Records. Marche aux flambeaux (Gilson). En Alsace-Lorraine (Balay). Judex, "Mors et vita" (Gounod-Ardenois). Records of Miliza Korjus (Soprano) and Gigli (Tenor). Selection, "Aida" (Verdi). Patrouille espagnole (Deshayes). Marche du progrès (Eenhäes). 4.15—Light Classical Records. Organ Concerto (Handel). Bist du bei mir (Bach). Eine kleine Nachtmusik (Mozart). Abendlied (Schumann). Elegiac Melodies (Grieg). Violin Concerto in A minor (Glazunov); at 5.15—Sports. 6.15—Salon Orchestra, Conductor: Féron. Marthe Roland (Soprano), Mondalt ('Cello), Liesje (Leener). 'Cello: Au coin du feu (Hazen). Songs (Lehár, Schmidt-Gentner). L'adieux des hirondelles (Glessner). 6.40—Song Record (Wolf). 6.45—Religious Address by Fr. Van der Veken, S.J. 7.0 — Salon, Orchestra (contd.). Tendre hymenée (Féron). Deux roses rouges (Thiel). Songs (Kálmán, Grothe). Czardas, Déjeuner de paysans (Römer). 7.30—Film and Book Reviews. 8.0—Variety Concert—Radio Orchestra. Conductor: Douliez. Malchair (Tenor), Noiret (Songs), Misson (Violin), Delcroix (Saxophone), Lombart and Durand (Marimba and Xylophone); at 8.45—Talk: Homing Pigeons. 10.0—News. 10.10—Brenders Jazz Band. 11.0-12.0 m't.—Brasserie Concert from Antwerp.

**BUCHAREST** 823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania, 160 kc/s (1,875 m.). Transmits at intervals from 7.30 a.m. 8.55 a.m.—Service; Sacred Music. 10.30—Talk for Peasants. 10.45—Romanian Folk Music. 11.15—For Farmers. 11.30—For Youth. 12.15 p.m.—Time; News; Sports. 12.25—Dinico Orchestra; at 1.15—Time; News. 2.10—Humorous Monologue. 6.0—Time; Medical Talk. 6.15—Dance Records; at 7.0—Talk. 7.45—Bucharest Teachers' Choir. 8.15—"Der Freischütz" (Weber). In the intervals, News; Sports. 10.45-12.0 m't.—Records.

**BUDAPEST** 546 kc/s (549.5 m.); 120 kW. 8.45 a.m.—Greek Catholic Service. 9.45—News. 10.0—Protestant Service. 11.0—Mass. 12.30 p.m.—Opera Orchestra. Conductor: Fridl. Overture, "The Bride of Messina" (Fusz). Selection, "Magdalena" (Szerémi). Waltz (Erkel). Hungarian Suite (Antalfy - Zsiros). Rhapsody (Losonczy). Russian Folk-Songs (Lyadov). Frühlingsstimmen (Strauss). 2.0—Records. 3.0—Report from the Agricultural College, Putnok. 3.45—Csorba Cigány Band. 4.30—János Hankiss. 5.0—Irma Varju (Pfte.). 5.30—Sándor Veres. 6.10—Station Band. 7.10—Zsolt Harsányi. 7.30—Debrecen Choir. 8.30—Programme with Ferenc Kiss. 9.15—News. 9.40—Budapest Concert Orchestra. Conductor: Polgár. Suite (Siklos). Hungarian Suite (Vincze). Intermezzo (Fuchs). Hungarian Rhapsody (Székely-Bertha). Film Music (Farkas). 10.40—Heinemann Jazz Band. 11.35—Kiss Cigány Band. 12.5 a.m. (Monday)—News.

**COLOGNE** 658 kc/s (455.9 m.); 100 kW. 6.0 a.m. — Duisburg Harbour Concert. 8.0—Weather; Water Level; Talk. 8.15—Kurt Schäffer (Violin) and Elfriede Dickob (Pfte.). Sonata (Bach). Sonata for Pfte. (Scarlatti). La Folia (Corelli). 9.0—See Leipzig. 9.45-10.55—Records. 11.0—See Berlin. 11.50—Records. 12.0 noon—See Königsberg; at 1.0 p.m.—News; Greetings. 2.0—Cologne Melodies. 3.0—Hints and Talks for Everyone.

3.20—Light Orchestral. Conductor: Hagedstedt. In the intervals, Reports: (a) The Hengstey Regatta, (b) The Westphalian, Lower and Central Rhineland Swimming Competitions, (c) The German Light Athletics Championship—Cologne, Munich and Vienna. 7.0—News. 7.10 — "Der Rosenkavalier" — Opera (R. Strauss). 10.0—News; Records. 10.40—See Königsberg. 1.0-3.0 a.m. (Monday)—Serenade from Hamburg.

**DEUTSCHLANDSENDER.** 191 kc/s (1,571 m.); 60 kW. 6.0 a.m.—See Hamburg. 8.0—Weather; Records. 8.15—See Königsberg. 8.45—Records. 9.0—See Leipzig. 9.45—Pfte. Concerto in F minor (Reger) by Alfred Hoehn and the Berlin Philharmonic. Conductor: Abendroth (Max Reger Festival Recordings). 2.0 p.m.—Station Orchestra. Conductor: Hauck. Military Band. Conductor: Hermann von der Dovenmühle. 4.0—Station Orchestra. Conductor:



Hans Bund and his Orchestra, who will broadcast a programme of light music from Berlin at 10.30 p.m.

10.25—Kaiser Band, Carl Müller-Schumann. (Baritone), Emmy Thomassen (Songs), Carl Mau (Flute) and Elmer Bantz (Compté). 11.15—Weather. 11.30—Horst Schimmelpfennig (Wurlitzer Organ) from the Ufa-Palast, Hamburg. 12.0 noon—See Königsberg; at 12.55 p.m.—Time; Greetings. 2.0—"Der Schindler von Jüterbog" — Fairy Play (Wollmann) (Recorded). 2.30-5.20—See Königsberg. 5.20—Racing Reports from the Hoppegarten. 5.30—Songs and Dances of the German Guilds. Walter Praetorius (Tenor), Kurt Gester (Baritone), and a Wind Quintet. 6.0-7.0—See Königsberg. 7.0—Motto; News. 7.10—Perpetuum mobile—Michael Danzi (Guitar), Bruno Sänger (Violin) and Georg Haentzschel (Pfte.). 7.30—Sports; Racing Report: The "Silver Horse," from Berlin-Hoppegarten. 8.0—Dance Music. Carl Woitschach and Paul Woitschach Bands. Albert Schmidt (Ocarina), Rudolf Schmidt (Pfte.), Franz Thon (Musical Saw), Franz Thon, Jun. (Saxophone), Maria Ney (Compté). 10.0—News; Sports. 10.20—Sports Report: The Tour of Germany — Schweinfurt to Munich. 10.30—Serenade. Otto Dobrindt Band. Hansche-Nahrath Pfte. Duo. Records of Horst Schimmelpfennig (Wurlitzer Organ); at 10.45—Weather. 12.55 a.m. (Monday)—Time. 1.6-2.0—Serenade from Hamburg.

**FRANKFURT** 1,195 kc/s (251 m.); 25 kW. Relayed by Cassel, Coblenz, Freiburg and Trier, 1,195 kc/s (251 m.). 6.0 a.m.—See Hamburg. 8.0—Water Level; Weather. 8.10—Protestant Service. 8.50—Records. 9.30—Choir. Conductor: Bergmann. 10.0 — The Music Festival in

Donauschingen (Recorded). Karlsruhe Orchestra. Conductor: Keilberth. Johannes Willy (Baritone). Four Songs (Philipp). Prelude (Schoeck). 10.30—Quartet in E flat (Mozart) by Walter Caspar (Violin), Alex Presuhn (Viola), Karl Vöhse ('Cello) and Heinz Schröter (Pfte.). 11.0-11.50—See Berlin. 12.0 noon—Orchestra. Conductor: Cujé. Overture, "Rübezahl" (Flotow). Suite, "Coppélia" (Delibes). Siebenbürgische Ouvertüre (Bruckner). Ländliches Fest (Siede). Waltz (Hill-Kaempfert). Musikalische Dorfgeschichten (Kretschmer). Kusswalzer (Joh. Strauss). Polka, Was sich liebt, neckt sich (Joh. Strauss). Polka-Mazurka, Von Herzen zu Herzen (André). Frühling der Liebe (Lindner). March (Nedbal). 2.0 p.m.—Station Orchestra. Conductor: Hauck. Military Band. Conductor: Hermann von der Dovenmühle. 4.0—Station Orchestra. Conductor:

12.0 m't.—3.0 a.m. (Monday) — Serenade. Part I. Station Dance Band. Part II. Folk Songs. Station Choir and Male Voice Quartet. Conductor: Gregor. Part III. Opera Music. Station Orchestra. Conductor: Secker. Eva Schlee (Soprano). 9.0 — On Board the KdF Ship "Wilhelm Gustloff" —Variety. 10.0—News. 10.30—See Deutschlandsender. 12.0 m't.—3.0 a.m. (Monday) — Serenade. Part I. Station Dance Band. Part II. Folk Songs. Station Choir and Male Voice Quartet. Conductor: Gregor. Part III. Opera Music. Station Orchestra. Conductor: Secker. Eva Schlee (Soprano).

6.0—Folk Programme from Michelstadt. 6.30—"The Heart of Time" — Sequence (Jäger). 7.0—Time; News. 7.10—Dance Records. 7.30—Sunday Sports. 8.0—Classical Records. Overture, "Das Liebesverbot" (Wagner) by the Berlin Opera Orchestra. Conductor: Melichar. Pfte. Concerto in C (Beethoven) by Walter Gieseking and the Berlin Opera Orchestra. Conductor: Rosbald. Polovtsian Dance (Borodin) by the Philadelphia Symphony Orchestra. Conductor: Stokowski. 8.50—See Munich. 10.0—Time; News; Sports. 10.30—See Deutschlandsender. 12.0 m't.—3.0 a.m. (Monday) — See Stuttgart.

**HAMBURG** 904 kc/s (331.9 m.); 100 kW. Relayed by Bremen, Flensburg, Hanover, Magdeburg and Stettin, 1,330 kc/s (225.6 m.). 6.0 a.m.—Harbour Concert from the S.S. "Monte Sarmiento" and the U-boat Flotilla "Weddigen" for the Unveiling of the U-Boat Monument at Kiel-Moeltenort. 8.0—Report: "Kraft durch Freude" Day in Hamburg. 8.10—News; Shipping; Talk; Gym. 8.50—Opera Records. 9.30—Topical. 9.45—Walter Hoffmann Band. 10.30—Protestant Service. 11.0-11.50—See Berlin. 12.0 noon—See Frankfurt; at 12.55 p.m.—Time; Weather.

2.0—"Hans, der Jäger"—Fairy Play (Grimm-Landgraf). 3.0—See Königsberg. 3.30—Dances and Marches. Altona Mandoline Band. Conductor: Ellermann. Bandionion Quartet. Willy Meyer-Pauselius (Guitar). Walter Nitzsche. 4.0—See Königsberg. 6.0—Talk. 6.15—Folk Concert. Peasant Band, Choir, Wilhelm Brockmann (Speaker), etc. 7.0—News; Records. 7.30—Sports; Weather. 8.0 — Report: "Kraft durch Freude" Day in Hamburg. 8.15—Famous Singers — Records. Helge Roswaenge; Aria, "La Traviata" (Verdi). Dusolina Giannini; Aria, "Carmen" (Bizet). Gerhard Hüsch; Lullaby (Thomas). Erna Berger; Aria, "The Barber of Seville" (Rossini). Caruso; Aria, "Aida" (Verdi). Margherita Perras and Margarete Klose; Duet from "Madam Butterfly" —(Puccini). Enzo de Muro Lomanto; O Marenariello (Ottaviano). Toti dal Monte; Aria, "Falstaff" (Verdi). Glyndebourne Festival Ensemble; Sextet from "Figaro" (Mozart). 9.0 — On Board the KdF Ship "Wilhelm Gustloff" —Variety. 10.0—News. 10.30—See Deutschlandsender. 12.0 m't.—3.0 a.m. (Monday) — Serenade. Part I. Station Dance Band. Part II. Folk Songs. Station Choir and Male Voice Quartet. Conductor: Gregor. Part III. Opera Music. Station Orchestra. Conductor: Secker. Eva Schlee (Soprano).

**HILVERSUM (No. 1)** 160 kc/s (1,875 m.); 10 kW until 8.40 p.m.; 150 kW from 8.40 p.m. Also on Jaarsveld, 722 kc/s (415.4 m.); 17 kW. 8.10-9.10 a.m.—NCRV Religious Programme. 9.10 a.m.—4.40 p.m.—KRO Programme. 9.10—Records. 9.40—Mass from the Church of the Immaculate Conception, Nieuw-Vennep. 11.10—Records. 11.15—KRO Orchestra. Conductor: van 't Woud. 12.40 p.m.—Literary Talk. 1.0—Radio Orchestra. Conductor: van 't Woud. Overture, "The Drum Major's Daughter" (Offenbach). Selection, "Quo Vadis" (Mougue). Avabude sentimentale (Ganne). Villanelle (Ganne). Czardas (Michiels). Prestissimo (Waldeufel). 1.40—Theology Lesson; Records. 2.25—KRO Melodists. Conductor: Lustenhouwer; at 2.55-3.10 — Records. 3.40—Talk by the Rev. Fr. Holleman. 3.55—For Invalids; Records. 4.45-7.25 NCRV Programme: Service from Katwijk; Sacred Music (Recorded). 7.25 till Close—KRO Programme. 7.25—Sports Notes. 7.30—Religious Address. 7.50—News; Records. 8.10—Variety Concert. KRO Orchestra. Conductor: v. 't Woud. KRO Melodists. Conductor: Lustenhouwer, and Records. Overture, "Ruy Blas" (Mendelssohn). Selection, "Martha" (Flotow). Film Potpourri (Lubbe). Potpourri, "Walzerkrieg" (arr. Borchert). Records. Overture, "Im Reiche des Indra" (Lincke). La Housarde (Ganne). Perpetuum mobile (Joh. Strauss). Dag van KRO - Wereld - Apostolaat (v. d. Meer). Amorettenreigen (Lincke-v. d. Linden). Kassian! Niet dringen (v. d. Meer). Koning Luisteraar (Lustenhouwer). Records. In the interval, Dialogue. 10.10—News. 10.20-10.40—Epilogue. Choir. Conductor: Pickkers.

**HILVERSUM (No. 2)** 995 kc/s (301.5 m.); 10 kW until 8.40 p.m.; 60 kW from 8.40 p.m. 8.35-11.40 a.m. — VARA Programme. 8.35 — Records; Homing-Pigeon Notes. 8.45—For Gardeners; Records. 9.25—Talk; Homing-Pigeon Notes. 9.40—Walis and de Gorter (Violins). Blom (Viola), Amende ('Cello), and Swart (Bass). 10.20—Recitations; Records. 10.40—"Esmeralda" Septet, Steyn

(Organ), and Mlle Len Connel (Songs). 11.40 a.m.—4.40 p.m.—AVRO Programme. 11.40—Time; The Week's Motto. 11.45 — "L'Heure Exquise" — AVRO Musette Orchestra. Conductor: van Capelle. 12.15 p.m.—Talk. 12.30—AVRO Aeolian Orchestra. 1.10—Talk from the Dutch East Indies; Records. 1.40—Book Talk. 2.00—Women's Choir; Records. 2.40—Concert from the Kurhaus, Scheveningen. The Hague Orchestra. Conductor; Neumark; Marinus Flipse (Pfte.). Prelude, "The Mastersingers" (Wagner). Scherzo and Nocturne, "A Midsummer Night's Dream" (Mendelssohn). Pfte. Concerto in D (Haydn). Rapsodie d'auvergne (Saint-Saëns). Andante cantabile (Tchaikovsky). Finlandia (Sibelius). 4.10—Commentary by Capt. van Wijk from Bergen op Zoom: The International Polo Match—Holland v. France. 4.40-6.10—VARA Programme. 4.40—Records; at 5.40—Sports. 6.10-7.40—VPRO Programme. 6.10—Service from Tilburg. 7.10—Records. 7.20—Address by Dr. M. A. Beek. 7.40-11.40—AVRO Programme. 7.40—News; Sports; Records. 8.40—Talk by M. G. de Clercq. 8.50—Radio Journal. 9.5—Pierre Palla (Organ), Wilhelm Strienz (Bass), and Boris Lelmy (Violin). 9.40—A Play. 10.10—Kovacs Lajos Orchestra. 10.40—News; Sports; Weather. 10.50—Kovacs Lajos Orchestra. 11.25-11.40—Records.

**KALUNDBORG** 240 kc/s (1,250 m.); 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.). 8.0 a.m.—Gym; Weather. 8.45—French Talk: Actualités. 9.0—German Talk: Eine Fahrt im Flugzeug. 9.15—English Talk: Theory and Practice. 9.30—Choral Festival from Odense, with Addresses. 10.0 — Service from Copenhagen Cathedral. 11.28—Weather; News. 12.0 noon—Preil's Ensemble; at 12.50 p.m.—Reading. 2.0—Service from Christiansborg Castle Church. 3.20 — Sacred Music from St. Catharine's Church, Ribe. Male Voice Choir and Orchestra. Conductor: Pedersen. Anna Lütken (Organ) and Rasmusen (Songs). Sixteenth-Century Melody, Zions Vaeger. Twelfth-Century Melody, Krist stod op af Dode. Organ Fantasia (Hauf). Songs: (a) Simon Peters Fiskedraet (Nielsen), (b) Ro af Hjertets røde Guld (Aagaard), (c) Uforsagt, hvordan min Lykke (Ring). Choir and Orchestra: Viborg Cathedral (Gade). 4.0—Open Air Band Concert. Conductor: Hye-Knudsen. Excerpts, "The Queen of Sheba" (Gounod). Overture, "Il Guarany" (Gomez). Valse triste (Sibelius). Potpourri of Finnish Songs (Swanson). 4.30 — Conservative Constitution Festival. 6.30—For Children. 6.50—Weather. 7.0—News; Sports. 7.30—Unveiling of the Klaus Berntsen Statue at Assens. Community Singing; Addresses. 8.0—Choral Festival from Odense. Conductor: Oluf Ring. Fremad (Grieg). Shepherd's Sunday Song (Kreutzer). Arbejdersang (Pringsheim). I Osten stiger Solen op (Gade). Smedevise (Strandqvist). Hostmarch (Møllholm). Spilleraendene (Ring). 8.30—Johann Strauss Music by the Radio Orchestra. Conductor: Tuxen. Overture, "The Gipsy Baron." Wiener Blut. Perpetuum mobile. Song, "Die Fledermaus." Overture, "Carnival in Rome." Tritsch-Tratsch Polka. Kaiser-walzer. Persian March. 9.20—"Thor Lange's Russia" — Sequence with Thor Lange Poems; Illona Wieselmann (Recitations), Vibeke Edmund (Songs), Helge Bonnéen (Pfte.), and Tschumakoff (Balalaika). 10.10—News; Weather. 10.25—Weber Music by the Radio Orchestra. Conductor: Tuxen. Bloch (Bassoon). Overture, "Preciosa." Bassoon Concerto in

## SUNDAY (June 12)

F. Invitation to the Dance. Entr'acte, "Die drei Pintos." 11.15 p.m.-12.30 a.m. (Monday)—Preil's Dance Band; at 12.0 m't.—Chimes.

**KÖNIGSBERG (Heilsberg)**  
1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.).  
6.0 a.m.—Navy Choir and Band from Pillau. In the intervals, Reports.  
8.0—The Frontier—Sequence.  
8.15—School Choir.  
8.45—Königsberg through the Centuries—Report.  
9.0—Programme Announcements.  
9.10—Protestant Service.  
10.0—Report: The Marienburg Schloss.  
10.30—Talk: Elks.  
11.0-11.50—See Berlin.

12.0 noon—Concert from Rauschen. Station Orchestra. Conductor: Brückner, Erna Fahrige (Soprano), Siegmund Roth (Bass). Overture and Aria, "Das Nachtlager in Granada" (Kreutzer). Two Arias, "The Magic Flute" (Mozart). Overture and Aria from "Figaro" (Mozart). Entr'actes and Arias, "Carmen" (Bizet). Overture and Aria, "Tannhäuser" (Wagner). Overture, "The Merry Wives of Windsor" (Nicolai). Overture, "The Bartered Bride" (Smetana). In the intervals, Reports from the Samland Bathing Resorts.

2.0 p.m.—Talk: Tannenbergl.  
2.30—Talk: The Kurische Nehrung.  
3.0—Reports: Insterburg—Trakenen.  
3.30—Talk: From Rominten to Johannisburg.  
4.0—The Masurian Lake District—Variety Concert from the Kurhaus, Lötzen. Station Dance Band. Conductor: Börschel. Hans Eggert, Paul Grossmann (Pfte.), Hugo Bartels (Compère). In the intervals, Reports: The Masurian Lake District.

6.0—Talk: Osterode's Waterways.  
6.20—Across the Elbing Heights to the Frisches-Haff—Reports.  
7.0—News; Weather.  
7.10—By Canal from Elbing to Osterode—Report.  
7.45—Sports.  
8.0—Variety Concert from Allenstein. Station Orchestra. Conductor: Wilcken, Betty Sedlmayr (Soprano), Erwin Hartung (Tenor), Schüricke Trio, Saal (Harp), Damerow (Xylophone), Bierotte (Trombone), Wilcken (Violin), Pütz (Accordion), Schurrock and Bräutigam (Clarinets), Heinz Schacht, S. O. Wagner (Compère).

10.0—News; Sports.  
10.20—Report: The Samland Motor and Motor-Cycle Trials.  
10.40—Dance Evening from Allenstein. Station Orchestra. Conductor: Wilcken, Börschel Dance Band, Ferd. Dackweiler (Tenor), Willi Tom (Compère).  
1.0-3.0 a.m. (Monday)—Serenade from Hamburg.

**LEIPZIG**  
785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.).  
6.0 a.m.—See Königsberg.  
8.0—Bach Music from Hans Anderdonath (Organ) from Dresden Cathedral.  
8.30—Records.  
9.0—Programme for Hitler Youth from Weimar.  
9.45—Records: Light Music.  
11.0—See Berlin.  
11.50—Music.  
12.0 noon—See Berlin.  
2.0 p.m.—Time; Weather; Records.  
3.0—"Timpete"—Fairy Play after Grimm (Ada Mahr).  
3.25—Missa de Beata Virgine (Iosquin des Prés) by the Leipzig University and the Heinrich-Schütz Choirs. Conductor: Rabenschlag.  
4.0—Leipzig Symphony Orchestra. Conductor: Hilmar Weber. Helmut Radelow (Violin), Otto Bürgermeister (Trombone). Overture, "Das Nachtlager in Granada" (Kreutzer). Nordische Suite (Hamerik). Heiteres Spiel (Blumer). Andante from the Serenade (R. Strauss). Overture, "Donna Diana" (v. Reznick). Violin and Orchestra: Ballet Scene (de Bériot). Kapriziöser Walzer (Winderstein). Violin and Cello Duet from the Serenade

in E minor (Hofmann). Overture, "Boccaccio" (Suppe). Trombone and Orchestra: Bravoura (Alschausky). Selection, "A Night in Venice" (Joh. Strauss).  
6.0—Excerpts from the First Folk Music Festival at Leipzig.  
6.40—Report from Nordhausen: Motor Corps Field Day; Sports.  
7.0—News.  
7.10—Soldiers' Choir, Conductor: Pallmann.  
8.0—Summer Night Magic—Variety Programme. Fricke Band. Tresi Rudolph (Songs), Rudolf Klaus (Accordion). Walter Ludwig (Songs), Carl Popp, etc.  
10.0—News; Sports.  
10.30—See Deutschlandsender.  
12.0 m't.-3.0 a.m. (Monday)—See Hamburg.

**LILLE (Radio PTT Nord)**  
1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.55 a.m.  
4.30 p.m.—Football Match Commentary.  
6.0—Records.  
6.50—Talk: Careers.  
7.0—See Paris (Radio-Paris).  
7.30—Radio Journal; Weather.  
8.0—Records; at 8.9—Sports.  
8.30—Station Orchestra. Cécile Morelly and Jacques Chimères (Songs). Overture, "Les Saltimbanques" (Ganne). Waltz, "Les bérés (Luigini). Ballet Suite (Niverd). Selection, "Thais" (Massenet). Introduction, Act II, "Phryné" (Saint-Saëns). Songs (Massenet, d'Ollone, Massé). Recuerdos de viaje (Albeniz). Excerpts, "Patrie" (Paladilhe). Ballet, "Rome and Juliet" (Gounod). Spanish Comedy Overture (Kéler-Béla). Songs (Botrel, Goublier, Chaminade). Suite, "Féramors" (Rubinstein). Dance of the Hours (Ponchielli). Le dimanche au village (Mathé). Gipsy March (Reyer).  
10.30 (approx.)—News.

**MONTE CENERI**  
1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 10.30 a.m.  
12.0 noon—Boys' Accordion Band.  
12.30-1.30 p.m.—News; Records.  
6.30—Melodia Choir from Chiasso.  
7.0—Sports; Records.  
7.50—News.  
8.0—Orchestra. Conductor: Casella. 9.0—Recitations.  
9.15—Sonata in G minor (Bustini) by Walter Jesinghaus (Viola) and Nino Herschel (Pfte.).  
9.45-10.15—Records of Toti dal Monte and Erna Sack. Arias, "Norma" (Bellini), "Martha" (Flotow), "The Daughter of the Regiment" (Donizetti) and "Der Freischütz" (Weber). Ninnannanna (Fambré-Bianchini). Canto a Maria (Marx-Nowalis).

**MOSCOW**  
172 kc/s (1,744 m.); 500 kW.  
12.30 p.m.—Talks (Italian, Swedish).  
4.30—Literature and Music.  
9.30—News; Kremlin Chimes.  
10.5—Talks (English, French).  
12.0 m't.—Programme in Spanish.

**MUNICH**  
740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.).  
6.0 a.m.—See Königsberg.  
8.0—Protestant Service.  
8.30—Die Kunst der Fuge (Bach) by August Schmid-Lindner.  
9.0—Records.  
10.0—For Hitler Youth.  
10.30—Folk Music (Recorded).  
11.0—See Berlin.  
11.50—Records.  
12.0 noon—Military Band from the Feldhermhalle. Conductor: Schifferl. Entry of the Guests into the Wartburg from "Tannhäuser" (Wagner). Overture, "Maritana" (Wallace). Selection, "Mignon" (Thomas). Lehár Potpourri, Waltz, Roses from the South (Joh. Strauss). March, Unsere Freiwilligen (Schifferl). Hessen - Marsch (Pernklau).  
12.55 p.m.—Time; Weather.  
1.0—Concert.  
3.0 (from Bayreuth)—"Was Peterle träumt"—A Play in Song and Verse (Greger), with Music by Spilling.  
3.45—Talk: Experiences of a Newspaper Reporter.  
4.0—See Königsberg.  
6.0 (from Bayreuth)—"Fein Glas und Holz—unser Stolz!"—Bavarian Folk Sequence with

Music. Orchestra. Conductor: Maas. Friedl Folk Singers, Josef Hoffmann (Accordion), Friedl (Zither), Löffelmann (Speaker).  
7.0—Time; News.  
7.10—Carl Weber Mandoline Double Quartet. Simon and Gabriele Schneider (Zither and Guitar).  
7.30—Sports.  
8.0—"La serva padrona" (Pergolesi). Station Orchestra. Conductor: List. Cast: Hans Fiedler, Renate von Aschoff, etc. (Recorded).  
8.50—"Kalif Storch"—Play (Hauff-Wintzen). Music by Girmatis. Station Choir and Orchestra. Conductor: Langefeld.  
10.0—Time; News; Sports.  
10.30—Dance Music.  
10.40—See Königsberg.  
1.0-3.0 a.m. (Monday)—Serenade from Hamburg.

**NAPLES GROUP**  
Naples (No. 1), 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.).  
8.0 a.m.-2.15 p.m.—See Rome Group.  
4.0—"Norma" (Bellini). ELAR Symphony Orchestra and Choir. Conductor: Gui. Chorus Master: Consoli. Cast: Giovanni Breviaro, Tancredi Pasero, Gina Cigna, Ebe Stignani, Adriana Ferris and Emilio Renzi.  
7.0—Guido Monaco Dopolavoro Choir of Leghorn.  
7.25-8.30—See Rome Group.  
8.30—Riccardo Brengola (Violin), Enzo Sarti (Pfte.), Ave Maria (Masetti). Canto amoroso (Sammartini). Aria (Porpora). Spanish Serenade (Glazunov-Kreisler). Jota aragonesa (Albeniz-Dushkin).  
9.0—"To be announced."  
9.20—"At the White Cat"—Song Revue.  
10.0 (approx.)—Dance Music.  
11.0—News.  
11.15-11.55—Dance Music.

**OSLO**  
260 kc/s (1,153.8 m.); 60 kW. Relayed by Fredrikstad, 722 kc/s (415.4 m.); Hamar, 519 kc/s (578 m.); Notodden, 1,357 kc/s (221.1 m.); Porsgrund, 850 kc/s (352.9 m.); Rjukan, 1,348 kc/s (222.6 m.); and Trøndelag, 629 kc/s (476.9 m.).  
4.0 p.m.—Report.  
5.5—Folk Music. Ingeborg Hjort Andreassen (Songs), Brimi (Hardanger Fiddle).  
5.35—Talk.  
6.0—Light Music.  
6.55—News; Weather.  
7.15—For Young People.  
7.40—Simonsen (Violin). Romance (Holter). Nocturne in E minor (Chopin-Mitnitsky). Scherzando (Lalo). Der Vogel als Prophet (Schumann-Auer).  
8.0—Talk: Mme Marie Curie.  
8.25—Overtures by the Station Orchestra. Conductor: Kramm. Overtures, "Figaro" (Mozart), "Mignon" (Thomas), "Der Freischütz" (Weber), "Poet and Peasant" (Suppe), and "A Midsummer Night's Dream" (Mendelssohn). 1812 Overture (Tchaikovsky).  
9.25—Talk; News; Sports.  
10.15-10.50—Cabaret Songs.

**PARIS (Eiffel Tower)**  
1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 7.30 a.m.  
3.15 p.m.—"The Cherry Orchard"—Play in Four Acts (Chekhov; French trans. Hélène Troubeskoy).  
4.45—Light Music.  
5.30—Records.  
6.30—Hélène Baudry (Songs) and Dominique Jeanès (Pfte.).  
7.0—Jeanne Leleu (Pfte.) and Blanquart (Flute). Suite (Coedès-Mongin). Flute: Pièce (Ibert). Eight Pfte. Pieces (Rohozinski).  
7.30—Radio Journal; News.  
8.0—Paulette Nathan (Songs) and Nicole Rolet (Pfte.). Songs: (a) Chanson de Jasper Häuser, (b) Pantoum néglige (Verlaine), (c) Three Songs (Rosenthal). Pfte.: Six Preludes (Lazare). Songs (Aubert).  
8.30—"Members of the Family"—Soirée of Songs, Refrains and Sketches: (a) "Petit Frère et Petite Sœur" (after Grimm's "Brüderlein und Schwesterlein"), (b) "Les Frères Opposés" (Sauvy)—Station Dramatic Ensemble. Producer: Paul Castan.  
10.30—Records.  
11.0-11.15—News; Weather.

**PARIS (Poste Parisien)**  
959 kc/s (312.8 m.); 60 kW.  
8.0 a.m.—Records.  
8.20—Press Review; Notes; Menus.  
9.0—Records: Light Music.  
11.40—Letters; Announcements.  
12.5 p.m.—Cigány Band Records.  
12.15—Records.  
12.30—News.  
12.35—"Si je gagnais les cinq millions," with Suzy Solidor.  
12.52—Amusement Guide.  
12.55—"The Treasure Hunt," with Pierre Dac.



Exclusive "World-Radio" Picture  
Mme. Madeleine Soria, one of the principals in the Paris (PTT) play at 2 p.m.

1.10—Vocal Quintet with Raymond Souplex and Jane Sourza.  
1.45—Talk: Gershwin.  
2.0—News; Records.  
2.30—Sports Report.  
4.35—Records: Light Music.  
7.0—News; Racing; Sports Notes.  
7.23—Amusement Guide.  
7.25—"Kinderszenen" (Schumann) (Records).  
7.45—Fruits—Programme presented by Roger François.  
8.0—Topical.  
8.5—"Les Frères Jacasse."  
8.10—"Militaires"—Programme presented by Roger François.  
8.25—Masterpieces of Humour—"Les 37 Sous de M. Montaudoin"—One-Act Play (Labiche-Martin).  
9.5—Amateurs' Programme.  
9.55—News.  
10.5—Dance Music.  
10.30—Records: Light Music.  
11.30—News.

**PARIS (PTT)**  
695 kc/s (431.7 m.); 120 kW.  
7.0 a.m.—News; Records.  
7.45—News; Press Review.  
8.15-8.30—Records. Overture, "Anacréon" (Cherubini). Overture, "The Ruins of Athens" (Beethoven).  
9.0—Talk; Records.  
10.0—Pascal Orchestra; at 10.30-11.0—Sound News; Sports.  
11.45—Talk.  
12.0 noon—Yatove Orchestra; at 12.45 p.m.—News.  
1.15—Gaston Rey (Songs).  
1.30—Yatove Orchestra.  
2.0—"Cette nuit là"—Play (Zilahy, trans. Denys Amiel).  
4.0—Jacques Dumont (Violin). Sicilienne and Rigaudon (Francœur-Kreisler). Pièce en forme de Habañera (Ravel). Waltz (Brahms). Bagatelle (Scarlatosco).  
4.15—Marguerite Myrtal (Songs).  
4.30—Records: Suite funambulesque (Messager).  
4.45—Léon Reubel Commemoration.  
5.0—Commentary by Marcel Rossini: The 1938 International Football Cup—Second Round, from the Colombes Stadium.  
7.0—Radio-Journal; News.  
8.0—Les Frères Jacques present Jane Aubert and Ramella.  
8.30 (also Marseilles (PTT) and Alpes-Grenoble (PTT))—"Petite Peste"—Play in Three Acts (Coolus), from the Odéon.  
10.30—News; Records.  
11.0—See Paris (Radio-Paris).

**PARIS (Radio-Paris)**  
182 kc/s (1,648 m.); 80 kW.  
6.58 a.m.—Programmes; Records.  
7.15—News; Gym; Records.  
8.30—German Lesson.  
8.45—Book-keeping Lessons.  
9.15—For Workers.  
9.30—English Lessons.  
10.10—Spanish Lesson.

10.30—Italian Lessons.  
11.0—Programme Notes.  
11.5—Records: German Dances (Mozart).  
11.15—Mme Revellin (Songs).  
11.30—Langlais (Organ). Thème varié (Ropartz). Cantilène mélancolique (de Sévère). Prière pour le salut de mon âme (Satie). Pièce (Fleury). Prelude (Durufé). Hymne d'action de grâces (Langlais).  
12.0 noon—Roman Catholic Address by the Rev. Father Gicqueau.  
12.20 p.m.—Records: Missa assumpta est (Palestrina).  
12.30—Visciano Orchestra. Overture, "Rosamunde" (Schubert). Polonaise (Wieniawski). Si vous saviez (Ferlin). Réverie sous le palmier (Visciano). Schön Rosmarin (Kreisler). Je chante (Trenet).  
1.0—Time; News.

1.15—Visciano Orchestra. Renée Camia (Songs). Selection, "Manon" (Massenet). Five Songs. Sérénade pour une ombre (Visciano). Gretchen am Spinnrade (Schubert). Minuet (Mozart).  
2.0—Sound News.  
2.10—For Young People.  
3.0—André Beauvois (Accordion).  
3.15—Camus (Monologues).  
3.30—Henry Jossy (Songs).  
3.45—Commentary on the Prix du Jockey-Club from Chantilly.  
4.45—"L'éducation d'un Prince"—One-Act Play (Aubert).  
5.45—Marley Orchestra.

7.0—Old Houses—Historical Sketches (Warnod), with the Author in the Cast: (a) Parmenier's House, (b) Théophile Gautier's House.  
7.30—Racing Results.  
7.32—Radio-Paris Circus by Bilboquet and Company. Bilboquet Parade; "Saltas Montes"—Sketch (Bontemps), with Cordial, Rolande Gardet, Macaron, the Pekari Clowns and the Gaudey Orchestra.  
7.59—Time; Home Affairs.  
8.8—Foreign Affairs.  
8.15—Jean Sorbier (Tenor).  
8.30—See Brussels (No. 1).  
10.35—Sound News.  
10.45—Time; News.

11.0—Bouillon Dance Band.  
1.0 a.m. (Monday)—Programmes.

**PRAGUE**  
638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 6.30 a.m.  
8.0 a.m.—Police Messages.  
8.10—Sokol Gymnastics; Records.  
8.45—Meditation.  
9.0—Wiedermann (Organ).  
9.15—For Workers.  
9.30—Industrial Review.  
9.45—Blazek Salon Quartet.  
10.25—Baroque Poetry.  
10.55—Book Review.  
11.0—Military Band from Poděbrady. Conductor: Riha.  
12.0 noon—Chimes; Press Review; Weather.  
12.25 p.m.—FOC Orchestra, Station Choir and Children's Choir. Conductor: Pařík, Prague Wind Quintet and the Ondříček Quartet (Recorded).  
1.50—For Farmers; Records.  
2.15-2.30—Rowing Match Report.  
3.30—Košice Radio Orchestra (Recorded).  
4.0—Moravian Dances—Moravská-Ostrava Radio Orchestra (Recorded).  
4.30—Brno Radio Orchestra, Moravian Vocal Quartet and Synek (Songs) (Recorded).  
5.0—The 1938 Sokol Games—Commentary from the Sokol Stadium.  
5.45—Brass Band Records.  
6.15—Talk.  
6.30—FOC Orchestra. Conductor: Pařík (Recorded). Egyptian Dance (Bizet). Ballet, "The Queen of Sheba" (Goldmark). Polonaise (Dvořák). Polka and Furiant (Weinberger).  
7.0—News; Topical.  
7.20—Cabaret from Košice.  
8.30—Talk: Baroque Art.  
8.45—Folk-Songs of Love.  
9.10—See Brno.  
9.55—News.  
10.25—Racing.  
10.25-11.30—Records.

**RADIO EIREANN**  
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—Concert from Richmond Park, Inchicore.  
6.15—Gerald Griffin—Anniversary Talk by Brinsley McNamara, with Songs by Hubert Valentine (Tenor).  
6.35—New Eire Band.

SUNDAY (June 12)

7.20—Talk: St. Patrick's Death and Burial Place.
8.0—'Tell us your Grievance.' Compere: Roger McHugh.
8.30—Choir from the Honan Chapel, University College, Cork.
9.15—M. Mooney (Violin).
9.30—Variety.
10.30—News.
10.45—Gaelic Sports Talk by Sean O'Ceallachain.
11.0—National Anthem.

RADIO-NORMANDIE

1,411 kc/s (212.6 m.); 15 kW.
7.10 a.m.—Call.
7.15—Press Review; News.
7.45—Sacred Music.
8.0—March of Melody.
8.15—Time; Breakfast with Health.
8.30—Songs we know them by.
8.45—George Formby and Beryl with John Firman's Orchestra.
9.0—Time; Monckton Musical Comedy Music.
9.15—The Voice of Experience.
9.30—Felix Mendelssohn's Orchestra, with Muriel Kirk and Ronald Sherwood.
9.45—Fun Fair with Fred Douglas, Wyn Richmond, Barrel-Organ arrangements by Signor Pesaresi.
10.0—Waltz Time—Billy Bisset's Waltz Time Orchestra, Hugh French, Esther Coleman and the Waltz Timers.
10.15—Carson Robison and his Pioneers.
10.30—Eddie Pola (Pfte.).
10.45—Family Favourites.
11.0—Time; Donald Peers—Cavalier of Song.
11.15—Radio Parade with Wyn Richmond, Wilfrid Thomas and Bobby Howell's Band. Compere: Arthur Askey.
11.45—Songs.
12.0 noon—Light Music.
12.30 p.m.—News.
12.45—Religious Address.
1.0—Light Music.
1.30—Les Allen, Paula Green, Arthur Young and Reginald Forsythe, etc.
2.0—Billy Cotton and his Band, with Binnie Hale, Fred Duprez, Peter Williams, Alan Bree and Jack Doyle.
2.30—Phil Park (Organ).
2.45—The Open Road.
3.0—A Serenade to Melody, with Jack Jackson and his Orchestra, Barbara Back and a Star of Tomorrow.
3.30—The Gaieties with Leslie Henson, Roy Royston, Ginger Matthews, Yvonne Ormer, George Neil, Rob Currie and the Gaiety Rhythm Boys and Orchestra.
3.45—The Movie Club.
4.0—Deboy Somers Band—Ben Lyon, Bebe Daniels, Vic Oliver, Gertrude Nielsen, Al Bowly and the Rhythm Brothers.
5.0—Back-stage with Sir Seymour Hicks and Elizabeth Welch, Dennis Van Thal and his West End Theatre Orchestra, etc.
5.15—Carroll Levis and his Radio Discoveries.
5.30—Hutch—Romantic Singer.
5.45—Variety with Uncle George, Helen McKay and Johnnie Johnson.
6.0—Harold Ramsay (Organ).
6.15—Showland Memories—A Musical Cavalcade of Theatreland Past and Present, with Webster Booth, Olive Groves and the Showlanders.
6.30—Radio Revue with Jack Hylton's Band, Phyllis Robins, Sam Browne, Henderson Twins, Peggy Dell and Tommy Handley. Compere: Eddie Pola.
7.0—The Acc of Hearts Orchestra.
7.15—The Biggest Little Programme, with Louise Brown, Billy Scott-Coomber, Monia Litter and Evelyn Corry.
7.30—News; Sports.
8.0—Light Music.
9.0—Humour.
9.30—Talk by M. De Chappe-De-laune.
10.0—Radio-Normandie Calling—Alfredo and his Gipsy Band, Joe Young and Company, The Carson Sisters and Maisie Weldon, etc. Compere: Joe Young.
10.30—John Goodwood; Music.
10.45—Bohemian Holiday.
11.15—Popular Pairs.
11.30—Normandie Playbill—Announcements; Music.
11.45—Sweet Music.
12.0 m't.—Melody at Midnight.
12.30-1.0 a.m. (Monday)—Time; Dance Music.

ROME GROUP

Rome (No. 1), 713 kc/s (420.8 m.); 120 kW. Bari (No. 1), 1,059 kc/s (283.3 m.); Palermo, 565 kc/s (531 m.); Bologna, 986 kc/s (304.3 m.); Naples (No. 2), 1,348 kc/s (222.6 m.).
8.0 a.m.—Lesson in Amharic.
8.30-8.50—Time; News.
9.15—For Soldiers.
10.0—For Farmers.
11.0—Mass from the Basilica of the Annunciation, Florence.
12.0 noon—Bible Reading.
12.20 p.m.—Sports; Funaro Quartet.
1.0—Time; News; Orchestra.
1.45-2.15—Records: Light Music.
2.0—Melodica Orchestra; at 5.45—Sports Notes.
6.30-6.45—Sports Notes; Records.
7.25—Sports; Light Music.
8.0—Time; News.
8.20—The Italian Language—Answers to Questions; Music.
8.30 (Palermo and Naples (No. 2))—Light Music.
9.10—'Siberia' (Giordano). Conductor: The Composer. Chorus Master: Costantini. Cast: Stella Roman, Antonio Melandri, Apollo Granforte, Gino Del Signore, Edmea Limberti, Adelio Zagonara and Luigi Bernardi. In the intervals, Talk in Danish; News. After the Opera, Dance Music.

SAARBRÜCKEN

1,249 kc/s (240.2 m.); 17 kW. Relayed by Kaiserslautern, 1,429 kc/s (209.9 m.).
6.0 a.m.—See Hamburg.
7.50—Topical.
8.0—Roman Catholic Service.
8.35—Variety Records.
9.0—For Hitler Youth.
9.30—Opera Records.
10.0—German Choirs Festival: 'Das Hohelied von deutscher Arbeit'—Oratorio (Carl) from the Wartburg. Wellesweiler Male Voice Choir and Saarbrücken Children's and Male Voice Choirs, and the Station Orchestra. Conductor: Rhein. Hans Karolus (Baritone).
11.30—Children's Song Suite (Stiebitz) (Recorded).
11.45—Listeners' Youthful Pranks.
12.0 noon—See Berlin.
1.0 p.m.—Time; Weather; Greetings.
1.5—Programme from Königsberg.
2.0—Fairy Play.
2.30—German Song Records.
3.0—Records; A Story.
3.30 (from Mannheim)—Walter Hauck (Baritone) and Toni Schäfer (Pfte.). Gipsy Songs (Dvořák). Pfte.: (a) Rhapsody (Liszt), (b) Etude (Chopin).
4.0—Station Orchestra. Conductor: Hörner. Kläre Hansen (Soprano). Willy Treffner (Tenor). Willy Schneider (Bass-Baritone). The Four Merry Musicians.
6.0—Three Hundred Hitler Youth Hostels—Laying of the Foundation Stone at Schlochau (Recorded).
6.50—Records: Prelude and Minuet (Debussy) by Walter Gieseking.
7.0—News; Talks; Records.
7.30—Sunday Sports and Events.
8.0—See Berlin.
10.0—Time; News; Weather.
10.30—See Deutschlandsender.
12.0 m't.-3.0 a.m. (Monday)—See Hamburg.

SOTTENS

677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.).
9.40 a.m.—Chimes and Protestant Service from Lausanne.
11.0—Classical Records, Sonata in F (Beethoven) by Fritz Kreisler (Violin) and Franz Rupp (Pfte.). Symphony in F (Beethoven) by the Vienna Philharmonic. Conductor: Weingartner. Violin Concerto in D minor (Schumann) by Yehudi Menuhin and the New York Philharmonic. Conductor: Barbirolli.
12.15 p.m.—Request Records.
12.30-2.0—News; Request Records.
3.0-4.45—Sports Commentary.
6.0—Protestant Address.
6.30—The Organ—Lecture-Recital by Eric Schmidt.
7.0—Roman Catholic Address.
7.30—Music; Talk.

RENNES-BRETAGNE

1,040 kc/s (288.5 m.); 120 kW. Transmits at intervals from 7.0 a.m.
2.30 p.m.—One-Act Plays from Brest: (a) 'Dimanche' (Claude-

Roger Marx), (b) 'Poil de Carotte' (Renard), (c) 'The Proposal' (Chekhov).
4.30-7.0—See Paris (PTT).
7.0—Radio Journal; Weather.
7.30—Sports; Records.
8.0—See Paris (PTT).
8.30—To be announced.
10.35—Records.
11.0—News; Weather.

STOCKHOLM

704 kc/s (426.1 m.); 55 kW. Relayed by Motala, 216 kc/s (1,389 m.); Göteborg, 941 kc/s (318.8 m.); Hörby, 1,131 kc/s (265.3 m.); and Boden, 392 kc/s (765 m.).
9.30 a.m.—For Farmers.
10.0—Mendelssohn and Schumann Records.
11.0—Service.
12.40 p.m.—News; Weather.
1.0—Ender's Orchestra from the Kungspark, Malmö.
2.0—Talk: Lulea.
2.30 (from Göteborg)—Sonata in A (Franck) by Beatrice Griffing-Ekström (Violin) and Ebert (Pfte.).
3.0—For Children.
3.30—Records.
4.30—Reading (Karlfeldt).
5.5—Radio Orchestra. Conductor: Grevillius; Persfelt ('Cello). Overture, 'To the Story of the Lovely Melusina' (Mendelssohn). 'Cello Concerto in C (Haydn). Two English Dances (Quilter). Intermezzo (Schrecker). Norwegian Rhapsody (Halvorsen).
6.0—Methodist Service from Sundsvall.
7.15—News; Weather.
7.30—'Spring in Vienna'—Potpourri (arr. Hladisch). Clara Aspling, Arne Ohlson and Waldimir's Orchestra. Conductor: Hladisch.
8.0—Report from Nice: The International Football Championships.
8.15—Törnqvist (Violin). Romance (Lundvik). Minuet (Porpora-Kreisler). Dancing Doll (Poldini-Kreisler). Sicilienne and Rigadon (Francœur-Kreisler).
8.30—'A Poet, Perhaps'—Play (Ragnar Josephson).
10.0—News; Weather; Sports.
10.30-11.0 (from Göteborg)—Marienlieder (Brahms) by the St. Cecilia Choir. Conductor: Carlsson.

STRASBOURG

859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.45 a.m.
9.15 a.m.—Records of the Czech Philharmonic and Pau Casals ('Cello). Conductors: Kubelik and Szell. The Moldau (Smetana). 'Cello Concerto in B minor (Dvořák).
10.0—Esperanto Congress—Addresses from Colmar Theatre.
10.45—Protestant Service (German).
11.30—Roman Catholic Service.
12.0 noon—Folk Songs by the Schiltigheim Children's Choir.
12.15 p.m.—Records.
12.45—News.
1.15—Waltz Records.
2.0—For Farmers.
2.30—Sunday Review (German).
2.45—Records: Military Music.
3.0—Commentary from the Lunéville Cycle Track.
4.30—Talk: The Red Cross.
4.45-7.0—See Paris (PTT).
7.0—News; Weather.
7.30—Operetta Records.
7.45—News (German, French).
8.30—'Lucie'—One-Act Play in Dialect (Greber).
9.30—Sellenick Vogesia Band. Conductor: Wurms. Terre natale (Sali). Albumblatt (Wagner-Riff). Aubade printanière (Lacombe). Serenade (Heykens). O schöner Mai (Strauss). Excerpts, 'Le Printemps' (André). Au palais d'Angkor (Sali). March (Maszy).
10.30—News (French and German).
11.0—Dance Music from Paris.

STUTTGART

574 kc/s (522.6 m.); 100 kW.
6.0 a.m.—Records.
7.0—Orchestra from Bad Wildbad. Conductor: Haelsig.
8.0—Water Level; Weather; For Peasants; Gym.
8.30—Protestant Service from Karlsruhe.
9.0—Kaiser Band, etc. (Recorded).

7.50—News; Sunday Sports.
8.20—Radio-Suisse romande Orchestra. Conductor: Haug.
8.50—Lutry Women's Choir. Conductor: Porchet. La chanson du sol natal (Jacques-Dalcroze). Excelsior (Brouquet). Vrai Dieu d'amour, reconfortez-moi (arr. Opieski). Corsican Lullaby (Ravizé). Les girouettes (Ravizé). Six Russian Songs (arr. Kibaltchich). C'était par un beau jour (Rabaud). La chanson du vannier (César Franck). Parions, joli cœur (Busser). Frimousetti (arr. (Périllou).
9.30—Radio-Suisse romande Orchestra.
10.15-11.0—Commentary: The Morges Horse Races (Recorded).

TOULOUSE (Radio-Toulouse)

913 kc/s (328.6 m.); 60 kW.
11.40 a.m.—For Mothers.
11.48—Roman Catholic Address.
12.5 p.m.—Songs.
12.30—News; Talk.
12.45—For Children.
12.50—Film Music.
1.15—Salon Orchestra.
1.30—Excerpts, 'Rose de Marseille' (Sellers).
1.40—Bal Champêtre.
1.55—News.
2.0-2.15—Protestant Address.
6.0—News; Chansonnettes.
6.40—Operetta Music. Excerpts, 'Le jardinier du roi' (Wallence), 'Countess Maritza' (Kálmán), 'The Girl in the Taxi' (Gilbert), 'The Land of Smiles' (Lehár), 'Frederica' (Lehár).
6.55—News; Sports.
7.15—Film Music.
7.45—Operetta Songs, 'Rose of France' (Romberg), 'Beau Brummel' (Hahn), 'Faites ça pour moi' (Gabatoche), 'Monsieur Beaucaire' (Messenger), 'Honolulu' (Cazes).
7.55—News.
8.0—Orchestra; Talk.
8.30—Variety.
8.45—La Fraternelle Band of Caen.
9.30—Light Music.
10.0—News; Cuban Music.
10.35—Songs.
10.45—Marches and Soldier Songs.
11.0—Tango Refrains.
11.15—Light Music.
11.45—Dance Music.
12.0 m't.—News.

TURIN GROUP

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.).
8.0 a.m.-2.15 p.m.—See Rome Group.
3.30-4.10—Choral Concert from Vercelli. Conductor: Gaito.
5.0—Song Potpourri—Cetra Orchestra; at 5.45—Sports Notes.
6.30-6.45—Sports Notes; Records.
7.19 (Rome No. 2 only)—News and Talk in English.
7.25-8.30—See Rome Group.
8.30—Light Music; at 8.36 (Milan (No. 1), Rome (No. 2), and Bolzano)—News and Talk (German).
9.10—'Il nome della diva'—One-Act Play (De Flavis).
9.50—Band of the Italian Air Force, Conductor: Di Miniello. Overture, 'La battaglia di Legnano' (Verdi-Vessella). Selection, 'The Girl of the Golden West' (Puccini). Schatzwalzer (Strauss). Two Symphonic Impressions (Di Miniello). Moment musical (Schubert - Vessella). Ronde d'amour (Van Wester-

10.0—For Hitler Youth.
10.45—Records.
11.0—See Berlin.
11.50—Records.
12.0 noon—See Berlin; at 1.0-1.15 p.m.—Topical.
2.0—Punch Programme.
2.30—Records.
4.0—Station Orchestras. Conductors: Görlich and Bara.
6.0—'Au z'Markt'—Swabian Folk Play (Reyhing).
7.0—Dance Records.
7.30—News; Sports.
8.0—'The Gipsy Baron' (Joh. Strauss). Station Choir and Orchestra. Conductor: Görlich. Cast: Fritz Harlan, Norbert Scharnagl, Walther Ludwig, Georg Hann, Irma Roster, Emma Mayer, Hubert Buchta, Yella Hochreiter, Margareta Teschemacher and Hans Hofele.
10.0—Time; News.
10.15—Report: The Reich Theatre Festival Week.
10.30—Light and Dance Music. Station Orchestra. Conductor: Bara.
12.0 m't.-3.0 a.m. (Monday)—Handel Cycle X—Conclusion: 'Triumph of Time and Truth'—Oratorio by the Station Choir and Orchestra and Stuttgart Philharmonic Choir. Conductor: Buschkötter. Helene Fahrni (Soprano). Henny Wolf (Mezzo-Soprano). Lore Fischer (Contralto). Heinz Matthéi (Tenor). Johannes Willy (Bass). Hermann Keller (Organ). Erich Ade (Harp-sichord).

10.0—For Hitler Youth.
10.30—Hise Winglmeyr (Pfte.).
11.0-11.50—See Berlin.
11.55—Time; Cathedral Chimes.
12.0 noon—Vienna Symphonic Orchestra. Conductor: Katnigg. Overture, 'The Barber of Seville' (Rossini). Four Symphonic Dances (Grieg). Ballet Music, 'Otello' (Verdi). Pieces from the Burlesque Suite (Katnigg). Overture, 'Der ewige Walzer' (Strecker). Pizzicato Polka (Joh. Strauss). Klänge aus der Raimund-Zeit (Joh. Strauss). Selection, 'The Count of Luxembourg' (Lehár). Perpetuum mobile after a Kreuzer Violin Etude (Schönherr). Waltz, 'Hofball in Schönbrunn' (Pepper). Selection, 'Der Tenor der Herzogin' (Künnecke). Carinthian Marching Song (Seifert).
2.0 p.m.—Records.
3.0—'Snow White'—Fairy Play (Theodor Storm).
3.30—Trio in E flat (Brahms) by Magda Rusy (Pfte.), Franz Bruckbauer (Violin) and Otto Pruscha (French Horn).
4.0—See Saarbrücken.
6.0—Discussion: Plants and Weeds.
6.40—Sports; News.
7.10—Folk Songs and Music from Judenburg.
8.0—'Mein Lebenslauf ist Lieb und Lust'—A Fantasy around the Strauss Waltz. Orchestras. Conductors: Schönherr and Sandauer. Irmgard Overhoff and Toni Gerhold (Sopranos). Franz Borsos and Emil Petroff (Tenors). Käthe Krischker (Songs to the Lute).
10.0—News; Sports.
10.30—See Deutschlandsender.
12.0 m't.-3.0 a.m. (Monday)—See Hamburg.

VIENNA

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.).
6.0 a.m.—See Hamburg.
8.0—Motto; Gym.
8.20—Roman Catholic Service.
9.0—Records.
10.0—For Hitler Youth.
10.30—Hise Winglmeyr (Pfte.).
11.0-11.50—See Berlin.
11.55—Time; Cathedral Chimes.
12.0 noon—Vienna Symphonic Orchestra. Conductor: Katnigg. Overture, 'The Barber of Seville' (Rossini). Four Symphonic Dances (Grieg). Ballet Music, 'Otello' (Verdi). Pieces from the Burlesque Suite (Katnigg). Overture, 'Der ewige Walzer' (Strecker). Pizzicato Polka (Joh. Strauss). Klänge aus der Raimund-Zeit (Joh. Strauss). Selection, 'The Count of Luxembourg' (Lehár). Perpetuum mobile after a Kreuzer Violin Etude (Schönherr). Waltz, 'Hofball in Schönbrunn' (Pepper). Selection, 'Der Tenor der Herzogin' (Künnecke). Carinthian Marching Song (Seifert).
2.0 p.m.—Records.
3.0—'Snow White'—Fairy Play (Theodor Storm).
3.30—Trio in E flat (Brahms) by Magda Rusy (Pfte.), Franz Bruckbauer (Violin) and Otto Pruscha (French Horn).
4.0—See Saarbrücken.
6.0—Discussion: Plants and Weeds.
6.40—Sports; News.
7.10—Folk Songs and Music from Judenburg.
8.0—'Mein Lebenslauf ist Lieb und Lust'—A Fantasy around the Strauss Waltz. Orchestras. Conductors: Schönherr and Sandauer. Irmgard Overhoff and Toni Gerhold (Sopranos). Franz Borsos and Emil Petroff (Tenors). Käthe Krischker (Songs to the Lute).
10.0—News; Sports.
10.30—See Deutschlandsender.
12.0 m't.-3.0 a.m. (Monday)—See Hamburg.

WARSAW

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.); Lwow, 795 kc/s (377.4 m.); Poznań, 868 kc/s (345.6 m.); Torun, 986 kc/s (304.3 m.); and Wilno, 536 kc/s (559.7 m.). Transmits at intervals from 7.15 a.m.
9.15 a.m.—Service.
10.30—Records: 'Fedora' (Giordano) by the Cast of La Scala, Milan.
11.45—Cultural Notes.
11.57—Time and Fanfare.
12.3 p.m. (from Łódź)—Orchestra. Conductor: Bautze. Symphony in D (Haydn). Suite (Mlynarski). Waltz, 'Der Rosenkavalier' (R. Strauss).
1.0—Literary Talk.
1.15 (from Katowice)—Salon Orchestra. Conductor: Leszczynski. Silesian Quartet. Bulat (Mezzo-Soprano), Zaskolny (Tenor).
3.0—For Country People; Address; Sketch; Markets; Lwow Station Orchestra.
4.30—Beranger Song Recital.
5.0—Sztompka (Pfte.). Rondo in A minor (Mozart). Sonata in D minor (Beethoven).
5.30—Topical Talk.
6.0—Station Orchestra, from the Old Theatre, Cracow. Conductor: Gorzynski. Polonaise (Wronski). Mountain Dance (Rybicki). Cracovienne Fantasy (Rudnicki). Cradle Song (Popiel). Oberek (Sonenfeld). Waltz (Friedman-Rudnicki). Cracovienne (Wronski). Mazurka (Rudnicki). Symphonic Jazz Impressions (Rust). Jugoslav Dance from Morana (Gotovac). Blues (Tansman). Perpetuum mobile (Strauss-Kochman). Suite, London Again (Coates). Rhapsody (Rixner); at 6.55—Notes.
8.0—Programme Notes.
8.5—Mendelssohn Records.
8.40—Political Talk; News.
9.0 (from Lwow)—Variety.
9.40—Sports Notes.
10.0 (from Poznań)—'A Summer Evening'—Variety.
11.0-11.5—News.

# MONDAY June 13

**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 (D)—"On Cruise;" Commander A. B. Campbell.  
 11.5 (D)—Records. 11.30 (D)—German.

11.45 (D)—Records.  
 12.0 (D)—Church History.  
 12.25 p.m. (D)—"Round the London Organs—The Temple Church." 1.0 (D)—Dance Records.  
 1.30 (D)—Records. 2.0 (D)—Schools.  
 3.0 (D)—BBC West of England Singers. 3.35 (D)—German.  
 4.0 (D)—John Francis (Flute); Millicent Silver (Pfte.).  
 4.30 (D)—Vest-pocket vaudeville.  
 5.0—Records.  
 5.30—Test Match commentary.  
 5.40—Records. 6.0—First News.  
 6.20—England v. Australia.  
 6.40—Music and the Ordinary Listener: George Dyson, Mus.D.  
 7.0—Variety: The Bungalow Club.  
 7.50—Reginald Foort (BBC Theatre Organ).

8.20—"The Wild Life around Us;" Iolo Williams.  
 8.40—Ord. Hamilton (Piano).  
 8.50—"First Glasgow—now Hogston," with Gillie Potter.  
 9.0—The Third News.  
 9.20—World Affairs.  
 9.35—Irene Kohler (Pfte.).  
 10.0—Montague Brearley's Orchestra.  
 10.45—"Crutches for Lame Ducks;" reading of light verse.  
 11.5—Bram Martin's Dance Orchestra.  
 11.30-12.0—Guy Lombardo's Orchestra.

**London Regional**  
**Time Signals (normally):** Big Ben, 10.15 a.m., 5.15 p.m., 12 midnight, Greenwich, 10.30 a.m., 7.0, 10.0, 11.30 p.m.  
 10.15-10.45 a.m.—National.  
 10.45—BBC Welsh Orchestra: Ivor John (Tenor).  
 11.30—Jack Helyer (Cinema Organ).  
 12.0—Records.  
 12.30 p.m.—England v. Australia.

12.40—BBC Scottish Orchestra.  
 1.20—England v. Australia.  
 1.35—Records.  
 1.55—Clive Richardson and René Pougnet (Pianos).  
 2.15—England v. Australia.  
 2.30—BBC Variety Orchestra.  
 3.15—Carlton Hotel Orchestra.  
 4.0—Dudley Beaven (Cinema Organ).  
 4.30—England v. Australia.  
 4.35—Records.  
 5.0—The Children's Hour.  
 6.0—Early German Sacred Music: Yves Tinayre (Tenor); Organist, Berkeley Mason.  
 6.30—Rhythm Classics.  
 7.0—The Second News.  
 7.30—"Gibraltar;" chronicle by Taffrail.  
 8.0—BBC Symphony Orchestra; Conductor, Sir Adrian Boult: Prelude, "The Mastersingers of Nuremberg (Wagner); Suite of Old Scots' Airs and Dances, for String Orchestra; Variations on an Original Theme (Elgar).  
 9.0—The Northumbrian Singers.  
 9.20—BBC Theatre Orchestra: David Lloyd (Tenor).  
 10.0—News Summary.  
 10.25—Bram Martin's Dance Orchestra. 11.30—Records.  
 11.50-12.0—Late News Summary.

**Midland**  
 10.15 a.m.—5.0 p.m.—Regional.  
 5.0—The Children's Hour.  
 6.0—Regional.  
 6.30—The Clifford Quintet.  
 7.0—The Second News.  
 7.20—"This Week's Programmes."  
 7.30—Regional.  
 9.0—Harry Engleman and Leila Brittain (Piano Syncopation).  
 9.20—"Pencils and Paper;" musical games.  
 10.0-12.0—Regional.

**Northern**  
 10.15 a.m.—5.0 p.m.—Regional.  
 5.0—The Children's Hour.  
 6.0—Regional.  
 6.30—Junior T.T. Race.  
 6.45—Culley and Gofton.  
 7.0—The Second News.  
 7.20—For Northern Farmers.  
 7.30—Welsh.  
 8.0-12.0—Regional.

**Western**  
 10.45 a.m.—6.0 p.m.—National.  
 6.0—Regional.  
 7.20—Western Announcements.  
 7.30—Regional.  
 8.0—"An American on Dartmoor;" Carolyn Postlethwaite Cobb.  
 8.15—Clifton String Orchestra; Monté Stanford (Saxophone).  
 9.0-10.25—Regional.

**Welsh**  
 10.15 a.m.—3.0 p.m.—Regional.  
 3.0—For Schools in Wales.  
 3.25-5.0—Regional.  
 5.0—The Children's Hour.  
 6.0—Max Gerald (Cinema Organ).  
 6.30—"Ceinwydd — Ddoc a Heddiw."  
 7.0—"The Second News."  
 7.20—Welsh Announcements.  
 7.30—Programme of Welsh reservoir at Vyrnwy.  
 8.0—Regional.  
 9.0—Famous Houses and Families of Wales—The Glynnnes and Wynns of Glynllifon: Glyn Roberts.  
 9.20—BBC Welsh Orchestra: Trefor Jones (Tenor). 10.0-12.0—Regional.

**N. Ireland**  
 10.15 a.m.—5.0 p.m.—Regional.  
 5.0—The Children's Hour.  
 6.0—Frank Rea's Orchestra.  
 6.30—Regional.  
 7.20—N. Ireland News.  
 7.30—Regional.  
 9.0—Hymn Recital.  
 9.20-12.0—Regional.

**Scottish**  
 10.15 a.m.—2.0 p.m.—National.  
 2.0—For Schools.  
 3.35-5.0—National.  
 5.0—The Children's Hour.  
 6.0—David Thomson (Baritone).  
 6.10—The Royal Burgh of Annan.  
 6.30—Regional. 7.20—Gaelic News.  
 7.30—Regional.  
 9.0—Scottish Dances.  
 9.30—Medley of moonshine and music. 10.0-12.0—Regional.

Hours of Transmission in British Summer Time.

**ALPES-GRENOBLE (PTT)**  
 583 kc/s (514.6 m.); 20 kW. Transmits at intervals from 6.30 a.m.  
 8.30 p.m.—Mozart Festival Concert by the Station Orchestra. Maria Maldy and Pierre Deloger (Songs). Overture, "Lucio Silla." Excerpts, "The Magic Flute." Jupiter Symphony. Two Arias and Duet, "The Magic Flute." Overture, "Ascanio in Alba." Aria, "The Magic Flute." Excerpts, "Don Giovanni." Overture, "Il Re Pastore."  
 10.30 (approx.)—News.

**BERLIN**  
 841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 6.0 a.m.  
 12.0 noon—See Hamburg.  
 2.0 p.m.—News; Weather; Water Level.  
 2.15—Rauhe Band.  
 3.15—Exchange; Markets.  
 3.35—Records: Light Music.  
 4.30—Talks.  
 5.0—Henny Wolff (Songs); Stein (Pfte.).  
 5.30—Reading; Book Talk.  
 6.0—Light Classical. Conductor: Willy Steiner.  
 7.0—News.  
 7.10—Flotow and Rossini Records.  
 7.45—Evening Echoes.  
 8.0—Film and Dance Music. Station Orchestra, Herta Koska (Songs).  
 9.0—Augmented Station Orchestra. Conductor: Schröder. Overture, "Mignon" (Thomas). Lyric Suite (Grieg). Romance (Schröder). Swabian Rhapsody (Kämpfert). Intermezzo, "The Arabian Nights" (Strauss). Wiener Blut (Strauss).  
 10.0—News; Weather; Sports.  
 10.30—See Cologne.  
 12.0 m't.—3.0 a.m. (Tuesday)—See Frankfurt.

**BEROMÜNSTER**  
 556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.).  
 6.15-6.35 a.m.—Gym.  
 10.20-10.50—For Schools.  
 12.0 noon—Records.

12.29-1.45 p.m.—News; Records.  
 4.30—Records: Thé dansant.  
 5.0—Radio Chamber Ensemble.  
 5.40—Records—"The Fair Maid of Perth" (Bizet).  
 6.0—For Children.  
 6.30—Talks and Records.  
 7.45—Weather; News.  
 7.55—Yodel Trio; Accordion.  
 8.20—"Nun schlägt's dreizehn!"—Comedy.  
 9.15-10.30—For Swiss Abroad.  
 9.15—Weekly Review.  
 9.30—Modern Swiss Music—Radio Orchestra. Conductor: Hofmann. Bächli (Cello).  
 10.30-10.35—Announcements.

**BRATISLAVA**  
 1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 6.0 a.m.  
 6.45 p.m.—News in German.  
 7.0-7.55—See Prague.  
 7.55—Talk.  
 8.10-9.15—See Prague.  
 9.15—Fucik Concert. Station Orchestra. Conductor: Dyk. Milada Jirásková. Jaroš and Ruth-Marková (Songs).  
 9.55-11.0—See Prague; at 10.15—News (Hungarian); Record.

**BRESLAU**  
 950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz and Görlitz, 1,231 kc/s (243.7 m.).  
 Transmits at intervals from 5.0 a.m.  
 12.0 noon—See Leipzig.  
 2.0 p.m.—News; Exchange.  
 2.10-3.0—Records.  
 4.0—Orchestra and Choir; at 5.0—Book Review.  
 6.0—Reading (Wolf Justin Hartmann).  
 6.20—"Ich möchte mehr Steuern zahlen"—Sketch (Gajewsky).  
 6.35—Story.  
 6.55—Programme Notes.  
 7.0—Motto; Markets.  
 7.10—Blue Monday: "It is forbidden to tease or feed these Animals"—a Visit to the Zoo (Hintz; Music by Szuka).  
 9.0—"Silesian Sailor Boys' War Experiences" (Wenzel) by the "Old Comrades of the Fleet" Association—a Hitler Youth Choir and Players.  
 10.0-10.15—News.  
 10.30—Kate Baron (Soprano), Hanna Schmack-Urbach (Violin) and Hanna Horn (Pfte.).  
 11.30—Records.  
 12.0 m't.—3.0 a.m. (Tuesday)—See Cologne.

**BRNO**  
 922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 6.0 a.m.  
 7.25 p.m.—Band. Conductor: Vitek.  
 7.55—Talk.  
 8.10-9.15—See Prague.  
 9.15—State Conservatoire Concert from the Stadium Hall: Music of Young Moravian Composers. Opus Choir, State Conservatoire and National Theatre Orchestra. Conductor: Guido Arnoldi. Olga Morávková (Soprano), Bednář (Baritone). Ballad (Sokola). Symphony in One Movement (Rheinberger).  
 10.15-11.0—See Prague.

**BRUSSELS (No. 1)**  
 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.  
 12.35—Salon Orchestra.  
 1.0—News; Salon Orchestra.  
 1.30-2.3—Records; Art Notes.  
 4.55—Announcements; News.  
 5.0—Brenders Jazz Band.  
 5.15—Talk: The Walloon Museum.  
 5.30—Camille Lemonnier Anniversary—Talk and Reading.  
 5.55—Record: Scherzo (Lalo).  
 6.0—Talk: Jean Périer.  
 6.15—Cigány Music by the Salon Orchestra.  
 6.30—Pêcheur d'Islande (Loti).  
 6.45—Salon Orchestra.  
 7.0—Talks; Interview; Records.  
 7.30—News.  
 8.0—Salon Orchestra, Féron (Violin), Kovacs (Cymbalom), Colin (Clarinet), Kreitz (Pfte.), Mondalt (Cello). Cymbalom and Orchestra: Seyer Felyem. Clarinet: Adagio (Mozart). Pfte.: Barcarolle (Fauré). Cello: Pavane pour une Infante défunte (Ravel). Violin and Orchestra: Czardas (Hubay).  
 8.30—Cabaret with Germaine Sablon and Marcel Jozs.  
 9.30—Brenders Jazz Band.  
 10.0—News.  
 10.10-11.0—Stravinsky Records.

**BRUSSELS (No. 2)**  
 932 kc/s (321.9 m.); 15 kW. Programme in Flemish.  
 6.30-9.0 a.m.—Records; Gym; News.  
 12.0 noon—Records.  
 12.31 p.m.—Light Orchestral: Records; at 1.0—News; Shipping.  
 1.30-2.0—Request Records.  
 4.55—News; Records: "Les Saltimbanques" (Ganne).  
 5.45—For Children; Records.  
 6.45—Talk; Records.  
 7.30—For Motorists; Sports.  
 8.0—Records: Act II, "Carmen" (Bizet).  
 8.45—Recitations.  
 9.0—I.N.R. Symphony Orchestra. Conductor: Dejoncker. Wouters (Bass). Prelude, "Ingewelde" (von Schillings). Songs. Antar (Rimsky-Korsakov).  
 10.0-11.0—News; Records.

**BUCHAREST**  
 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.  
 6.15 p.m.—Romanian Songs by Emile Fanea.  
 6.35—Talk.  
 6.55—Radio Orchestra. Conductor: Ghiga. Alexiu (Songs).  
 8.10—Talk.  
 8.30—Quartet in G minor (Mozart).  
 9.10—Italian Songs by Aurélie Suceveano.  
 9.30—News; Sports.  
 9.45—Iliesco-Presneano Orchestra.  
 10.45—News (French, German).

**BUDAPEST**  
 546 kc/s (549.5 m.); 120 kW. Transmits at intervals from 6.45 a.m.  
 12.5 p.m.—Vali Korpás (Songs). Ferenc Gombá (Cello); at 12.30—News.  
 1.30—Rác Cigány Band.  
 2.35—News.  
 4.15—For Schools.  
 5.0—József Rózsás.  
 5.30—Military Band.  
 6.30—Sports Talk.  
 7.0—Kuriha Cigány Band.  
 8.0—"Torquato Tasso"—Play (Goethe).  
 9.20—News.  
 9.45—Heilig Jazz Band.  
 11.0—News (English, French).  
 11.10—Operetta Records.  
 12.5 a.m. (Tuesday)—News.

**COLOGNE**  
 658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 6.0 a.m.  
 12.0 noon—See Hamburg.  
 2.0 p.m.—News; Light Music.  
 3.0—For Children; Book Review.  
 4.0—German Marches. In the interval, Report.



Sylvia Grümmer, the viola da gamba player in the Hamburg programme of old chamber music (3.25 p.m.)

5.0—"Springs and Fountains"—Sequence.  
 5.10—Light Orchestral; Elfriede Dickob and Walter Wriedsch (Pfte.).  
 6.0—Modern Dutch Peasant Literature.  
 6.20—Rustic Music.  
 6.50—Topical.  
 7.0—News; Records.  
 8.0—Review of the Week.  
 8.20—Talk on the following Transmission.  
 8.30—Part I, Symphony Concert from Paris (for details see Paris (Radio-Paris)).  
 9.30—Report: The Fifth Lower Rhine Homeland Week in Duisburg.  
 10.0—News.  
 10.30—Station Orchestra. Conductor: Kühn. Grote (Cello).

Overture, "The Barber of Bagdad" (Cornelius). Fantasia for Cello and Orchestra (Masse-net). Suite, "Das grüne Herz" (Bullerian). Norwegian Artists' Carnival (Svendsen). Peasant Music (Schönherr). Waltz—Serenade (Robrecht). Tanz-Rhythmen (Dressel). Wien bei Nacht (Komzák).  
 12.0 m't.—3.0 a.m. (Tuesday)—Serenade. Station Orchestras. Conductors: Kühn, Breuer and Bysoldt.

**DEUTSCHLANDSENDER**  
 191 kc/s (1,571 m.); 60 kW. Transmits at intervals from 5.0 a.m.  
 12.0 noon—See Leipzig.  
 1.45 p.m.—News.  
 2.0—Jäger Band and Records.  
 3.0—Markets; Records: Favourite Tenors.  
 3.40—Women Workers at the Microphone; Programme Notes.  
 4.0—Station Orchestra; at 5.0—Topical.  
 6.0—Contemporary Poems and Songs.  
 6.30—Oscar Sala (Trautonium).  
 6.45—Review of Books on Soviet Russia.  
 7.0—Motto; News; Weather.  
 7.10—Glabé Band and Else Kochhann (Songs).  
 8.0—Opening of the Weimar Festival Plays of German Youth, from the National Theatre, Weimar. Address by the Reich Youth Leader, Baldur von Schirach.  
 8.45—Part of the Symphony Concert from Paris (for details see 8.30 p.m. Paris (Radio-Paris)).  
 9.30—Records.  
 10.0—News; Weather; Sports.  
 10.20—Report: The Round Germany Cycle Race—Fifteenth Lap, Munich-Innsbruck.  
 10.30-10.45—Serenade. Breiden (Flute) and Ahlgrimm (Viola). Sonata in B flat (Scarlati). Duet for Flute and Viola (Kraus).  
 11.0—Serenade from Vienna.  
 12.0 m't.—2.0 a.m. (Tuesday)—See Cologne.

**FRANKFURT**  
 1,195 kc/s (251 m.); 25 kW. Cassel, etc. See Sunday.  
 Transmits at intervals from 5.0 a.m.  
 12.0 noon—See Hamburg; at 1.0 p.m.—News.  
 2.0—Time; News; Records.  
 3.0-3.30—For Children.  
 4.0—Badenweiler Spa Orchestra; Trumpet. In the interval, The Roving Microphone.  
 6.0—Topical.  
 6.30—Records.  
 7.0—Time; News; Weather.  
 7.10—"The Watchman"—Sequence with music.  
 8.0—Light and Dance Music.  
 9.0—Humorous Talks and Reading (Heinz Steguweit).  
 9.15—Schulz-Fürstenberg Trio. Trio in B flat (Mozart). Trio in F sharp minor (Franck).  
 10.0—Time; News; Sports.  
 10.15—"Comrade, where are you?"  
 10.45—Music from Cologne.

12.0 m't.—3.0 a.m. (Tuesday)—Serenade (Recorded). Part I: Fairy-Tales in Music. Overture, "Hansel and Gretel" (Humperdinck). Zauberwald (Lobertz). Das Fest der Infantin (Gebhardt). The Frog King (Rust). Excerpts, "The Sleeping Beauty" (Tchaikovsky). Der Kobold (Pacheregg). Suite, "La boutique fantasque" (Rossini-Respighi). Mother Goose Suite (Ravel). Part II: Opera Music. Duet, "The Seraglio" (Mozart). Aria, "La Traviata" (Verdi). Habañera, "Carmen" (Bizet). Drinking Song, "Hamlet" (Thomas). Cavatina, "Der Freischütz" (Weber). Quintet, "The Mastersingers" (Wagner). Aria, "Madam Butterfly" (Puccini). Part III: Pfte. Concerto (Busoni) by Egon Petri and the Station Choir and Orchestra. Conductor: Roßbaud.

**HAMBURG**  
 904 kc/s (331.9 m.); 100 kW. Bremen, etc. See Sunday.  
 Transmits at intervals from 5.45 a.m.  
 12.0 noon—Three Hundredth Concert from Hanover Castle.  
 2.0 p.m.—News; Music.  
 3.0—Shipping; Markets.  
 3.25—Old Chamber Music by the Gebel Trio.  
 4.0—Light Music and Talks.  
 6.0—Riebensahn (Pfte.). The Harmonious Blacksmith (Handel). Romance in A flat (Mozart). Fantasia in C (Haydn). Sonata in C minor (Schubert).



6.45—Weather; Shipping.  
7.0—News.  
7.10—Records: Classical Waltzes.  
8.0—"The Musical Garden"—  
Station Choir and Orchestra.  
Conductor: Röder, Ilse Koegel  
(Soprano), Matthei (Tenor),  
Oettel (Baritone), Rhenish Sym-  
phony (Schumann). "Aber  
dies, aber das"—a Löns-  
Liederspiel (Erdlen). In the in-  
terval, A Story (Wilhelm  
Schäfer).  
9.30—Operetta Records.  
10.0—News.  
10.30 p.m.—3.0 a.m. (Tuesday)—  
See Cologne.

**HILVERSUM (No. 1)**

160 kc/s (1,875 m.); 10 kW  
until 8.40 p.m.; 150 kW from  
8.40 p.m. Also on Jaarsveld,  
722 kc/s (415.4 m.); 17 kW.  
NCRV Programme  
7.40 a.m.—Bible Reading; Medi-  
tation; Records.  
9.10—Greetings; Records.  
10.10—Religious Address; Reading.  
11.10—Frisian Meditation.  
11.40—Police Notes; Records.  
12.10 p.m.—Kee (Organ); Re-  
cords.  
1.40—Böhm (Bass-Baritone), Mlle  
de Wit (Pfte.).  
2.40—Cookery Talk; Records.  
3.25—Bible Reading.  
4.25—Records.  
4.55—For Children.  
5.55—Records; Letter-box.  
6.40—Police Notes; Church News;  
Sports.  
6.55—Letter-box; Report.  
7.45—News; S O S Messages.  
7.55—Arnhem Orchestra. Conduc-  
tor: Pappenheim. Overture,  
"The lovely Galatea" (Suppé).  
Czardas (Grossmann). Ballet  
Suite (Popy). Waltz, Frühlings-  
stimmen (Strauss). Selection,  
"Carmen" (Bizet).  
8.40—Art Talk.  
9.10—Orchestra (contd.); Franke  
(Cello). Second Symphony in  
B minor (Borodin). Serenade  
in D minor (Volkmann). Overtu-  
re, "Si j'étais roi" (Adam);  
at 9.40—News.  
10.10—Records; at 10.25—Gym.  
11.30—11.40—Bible Reading.

**HILVERSUM (No. 2)**

995 kc/s (301.5 m.); 10 kW  
until 8.40 p.m. 60 kW from 8.40  
p.m.  
AVRO Programme.  
7.40 a.m.—Time; Records.  
9.40—Service; Records.  
10.10—Recitation.  
10.55—Piet van Egmond (Organ),  
Bernard Markus (Violin).  
11.40—Records.  
12.10 p.m.—Kovacs Lajos Orches-  
tra.  
1.40—Karel de Rook (Pfte.).  
2.10—Reading.  
2.40—Francis de Paep (Songs).  
3.10—Records.  
4.10—Talk by Max Tak with  
Records: Music Hall.  
5.10—The Twilight Serenaders.  
6.0—Palla (Organ) and Topy  
Glerum (Songs).  
6.40—The Trout Quintet (Schub-  
ert) by Van Rensse (Pfte.),  
Helmann (Violin), Denayer  
(Viola), van Wezel (Cello),  
Stips (Double Bass).  
7.10—Reading.  
7.40—Time; News.  
7.50—"The Magic Flute" (Mo-  
zart). AVRO Choir and Or-  
chestra. Conductor: van Raalte.  
Cast: Maria East, Greta Bur-  
bach, Ria Focke, Lien Canes de  
Graaff, Louis van Tulder, Wil-  
helm Strienz, Frits Braun, Thé  
Baylé, Lex Karsmeyer.  
9.55—Records.  
10.40—News; Weather.  
10.50—Iliescu Orchestra from the  
Hotel Goiland.  
11.10—11.40—Records.

**KALUNDBORG**

240 kc/s (1,250 m.); 60 kW.  
Relays Copenhagen, 1,176 kc/s  
(255.1 m.).  
Transmits at intervals from 7.0 a.m.  
12.0 noon—2.0 p.m.—Preil's En-  
semble.  
2.30—Radio Orchestra. Conductor:  
Tuxen. Lohmann (Songs), Calm  
Sea and Prosperous Voyage  
(Mendelssohn). Turkish March,  
"The Ruins of Athens" (Beet-  
hoven). Waltz (Schubert-Grön-  
dahl). Dance, "Polenblut"  
(Nedbal). Selection, "The  
Duchess of Chicago" (Kálmán).  
Song Cycle, Semandsliv (Bech-  
gaard). Overture, "Reverbor-  
gen" (Kuhla). Excerpts, "Ka-  
lanus" (Horneman). Excerpts,  
The Alhambra Suite (Lange-  
Müller). Folk Melody (Tarp).

Ballet Scene (Rydahl). Gallop  
(Lumbye); at 3.15—For House-  
wives.  
4.30—For Children; Notes.  
5.0—Talk; Copenhagen.  
5.25—Weather; Exchange; Mar-  
kets.  
5.50—Records; Talk.  
6.35—English Lessons.  
7.0—Time; News; Talks.  
7.50—Records.  
8.0—"The Hansens"—Sketch  
(Locher).  
8.15—Revue from the Apollo  
Theatre.  
9.30—Sonata (Jongen) by Lynged  
(Violin) and Almdal (Pfte.).  
9.55—News; Weather.  
10.15—Radio Orchestra. Conduc-  
tor: Gröndahl. Palmhøj (Violin).  
Overture, Thor rides to the  
Jotunheim (Børresen). Andante  
and Finale from the Violin Con-  
certo (Holm). Suite (Sandberg-  
Nielsen). Overture, Primavera  
(Riisager).  
11.15 p.m.—12.30 a.m. (Tuesday)—  
Preil's Dance Band; at 12.0 m't.—  
Chimes.

**KÖNIGSBERG (Heilsberg)**

1,031 kc/s (291 m.); 100 kW.  
Relayed by Danzig, 1,303 kc/s  
(230.2 m.).  
Transmits at intervals from 5.0 a.m.  
12.0 noon—See Hamburg  
2.0 p.m.—News; Talk Music.  
2.55—3.0—Exchange.  
3.30—Talks.  
4.0—Opera Records; at 4.50—An  
Everyday Dictionary.  
5.45—Review of Periodicals.  
6.0—"Horse v. Motorcar"—  
Sketch (Rukscheio).  
6.15—The Finnish Students' Choir.  
Conductor: Ossi Elokas. Terve  
Suomeni maal (Genetz). Katson  
virran kalvohon (Madetoja). Min  
rastas raataa (Sibelius). Kaksi  
pieniä lehteä (Elokas). Sydämeni  
lauulu (Sibelius). Kiurun tupa  
(Linnala). Nuujamisten marssi  
(Kuula).  
6.35—Topical; Announcements.  
7.0—News; Weather.  
7.10—Breiden (Flute), Schenger  
(Harpischord).  
7.30—Peter Arco and the Börschel  
Band.  
8.30—Part I of the Symphony  
Concert from Paris (for details  
see Paris (Radio-Paris)).  
9.30—Topical.  
10.0—News; Weather; Sports.  
10.20—"Fleeting Seconds"—  
Peter Arco and the Börschel  
Band.  
12.0 m't.—3.0 a.m. (Tuesday)—See  
Cologne.

**LEIPZIG**

785 kc/s (382.2 m.); 120 kW.  
Relayed by Dresden, 1,285 kc/s  
(233.5 m.).  
Transmits at intervals from 5.50 a.m.  
12.0 noon—The Dresden Or-  
chestra.  
2.0 p.m.—Time; News; Records.  
3.10—Talk: The Capercaille.  
3.30—Quartet in C minor (Strobel),  
by the Krämer Quartet.  
4.0—See Breslau; at 5.0—Markets.  
6.0—Talk: German Peasants in  
Bohemia.  
6.20—Reports: (a) The Bad Elster  
Music Festival, (b) The Vogtland  
Musical Instrument Makers.  
7.0—News.  
7.10—Weber Songs to the Guitar  
by Hermann Munk. Erinnerung.  
Lass mich schlummern. Her-  
zlein, schweige. Sanftes Licht.  
Wiegenlied. Der arme Minne-  
sänger. Liebeslied. Alte Weiber.  
Bettlerlied.  
7.30—"Tobacco, Tea and Coffee"  
—Sequence (Kuhnert).  
8.30—Part I of the Symphony  
Concert from Paris (for details  
see Paris (Radio-Paris)).  
9.30—Records.  
10.0—News; Weather; Sports.  
10.20—Science Review.  
10.35 p.m.—3.0 a.m. (Tuesday)—  
—Music from Cologne.

**LILLE (Radio PTT Nord)**

1,213 kc/s (247.3 m.); 60 kW.  
Transmits at intervals from 6.30 a.m.  
7.10 p.m.—Talk in English.  
7.30—Radio Journal.  
8.0—See Paris (PTT).  
8.30—Tourcoing Conservatoire Con-  
servatoire Concert. Conductor:  
Niverd. Marcel Moysse (Flute),  
Blanche Honcger (Violin), Louis  
Moysse (Pfte.) and Bracq (Horn).  
Overture, "The Seraglio" (Mo-  
zart). Brandenburg Concerto in  
D (Bach). Le festin de l'araignée  
(Roussel). Pavane pour une In-  
fante défunte (Ravel). Flute Solos.  
Fantasia for Orchestra (Gaujac)  
Conductor: The Composer.  
Coronation March (Saint-Saens).  
After the Concert, News.

**LYONS (PTT)**

648 kc/s (463 m.); 100 kW.  
Transmits at intervals from 6.30 a.m.  
8.30 p.m.—"Orpheus" (Gluck),  
with Alice Ravau. Conductor:  
Waerssegers. After the Pro-  
gramme, News (French, Ger-  
man).

**MONTE CENERI**

1,167 kc/s (257.1 m.); 15 kW.  
Transmits at intervals from 12.0 noon.  
7.50 p.m.—News; Records.  
8.30—"A Lumi spenti"—Revue  
(Rampoldi-Modena); Music by  
Storini. Conductor: The Com-  
poser.  
9.15-10.30—See Beromünster.

**MOSCOW**

172 kc/s (1,744 m.); 500 kW.  
12.30 p.m.—Talks, etc. (Italian).  
6.15—Musical and Dramatic.  
9.30—News; Kremlin Chimes.  
10.5—Talks (English, Hungarian).  
12.0 m't.—Talks in Spanish.

**MUNICH**

740 kc/s (405.4 m.); 100 kW.  
Relayed by Nürnberg, 1,267 kc/s  
(236.8 m.).  
Transmits at intervals from 6.0 a.m.  
12.0 noon—See Hamburg.  
2.0 p.m.—News; Weather; Ex-  
change.  
2.15—See Berlin.  
3.0-3.30—For Children.  
4.0—Soprano, Baritone, Pfte.  
4.40—Book Review: Austrian  
Literature.  
5.0—Time; Weather; Markets.  
5.10 (from Nürnberg)—Orchestra.  
Conductor: Böhm. Elfriede  
Glockzin (Contralto), Prögel  
(Violin). Overture, "Die beiden  
Husaren" (Doppler). Scherzo in  
D minor (Zintl). Two Songs  
(Brendel). Kleine Sommermusik  
(Schäfer). Donaussagen (Fucik).  
Rêverie (Vieuxtemps). Rhapsody  
in B minor (Hartung). Two  
Songs (Herbst). Spring on Lake  
Maggiore (Pero). Introduction,  
"Faust" (Gounod). Gedicht  
(Henning). Mazurka (Mynarski).  
Burlesque (Wetzel).  
6.45—Sports Talk.  
7.0—Time; News; Weather.  
7.10—Light Music; Dance Band,  
Marimba.  
9.0—Talk by Edgar Dacqué: The  
Tree of Life.  
9.20—Quartet in G (Schubert), by  
the Quelling Quartet.  
10.0—Time; News; Sports.  
10.20—See Deutschlandsender.  
10.30 p.m.—3.0 a.m. (Tuesday)—  
See Cologne.

**NAPLES GROUP**

Naples (No. 1), 1,104 kc/s (271.7  
m.); 10 kW. Florence (No. 1),  
etc. See Sunday.  
Transmits at intervals from 7.45 a.m.  
7.0 p.m.—Music; Topical Review.  
7.20—See Rome Group.  
7.40—Plucked String Orchestra.  
8.0—Time; News.  
8.30—"Il più forte"—Three-Act  
Play (Giacosa).  
10.0 (approx.)—Dance Music.  
11.0—News.  
11.15-11.55—Dance Music.

**OSLO**

260 kc/s (1,153.8 m.); 60 kW.  
Fredrikstad, etc. See Sunday.  
Transmits at intervals from 10.30 a.m.  
6.15 p.m.—Seventeenth and  
Eighteenth-Century Music by  
Arlid Sandvold (Organ) from St.  
Saviour's Church.  
6.45—News; Economics.  
7.35—Variety Programme.  
8.15—Talk from the Polytechnic.  
8.40—Songs of Finnish Composers  
by Yrö Ikonen. Linbraalerskan  
(Melartin). Jag gar langs skogens  
stier (Melartin). Säv, säv susa  
(Sibelius). Korsspindeln (Sibe-  
lius). Vinden föde tvenne segel  
(Kuula). Morgonsang (Kuula).  
9.10—Foreign Affairs.  
9.40—News; Topical Talk.  
10.15-11.0—Bergen Radio Orches-  
tra. Conductor: Johannessen.  
Spanish Gipsy Dance (Mar-  
quina). Longing (Söderman).  
Wedding March (Translateur).  
In a Turkish Bazaar (Dreyer).  
Lautenständchen (Wismar). No-  
turne (Chopin). Baby plays Sol-  
diers (Noack). Arab Gold (Rust).  
Italian Serenade (Halvorsen).  
Schlosswache der Armeisen  
(Rathke). Festival in Bangkok  
(Norden).

**PARIS (Eiffel Tower)**

1,456 kc/s (206 m.); 7 kW.  
Transmits at intervals from 6.30 a.m.  
7.0 p.m.—Music Talk; Records.  
7.30—Radio Journal.  
8.0—Mlle Arvez-Vernet (Songs) and  
Mme Gourguès-Magnan (Pfte.).  
Piece (MacDowell). Chansons  
intimes (Blancafort). Asia—Four

**MONDAY (June 13)**

Songs (Lenormand). Songs to  
Chinese Poems (Blair Fairchild).  
Songs, "La flûte de jade"  
(Canal). Excerpts, "Le tour du  
monde en miniature" (Tansman).  
Two Negro Songs (Blair Fair-  
child).  
8.30—To be announced.  
10.30—Records.  
11.0-11.15—News; Weather.

**PARIS (Poste Parisien)**

959 kc/s (312.8 m.); 60 kW.  
Transmits at intervals from 7.10 a.m.  
5.0 p.m.—Cabaret.  
6.0—News; Exchange; Records.  
6.30—Poems (Laronde); Record.  
6.58—Racing; Record; Sports.  
7.10—Amusement Guide; Records.  
7.50—Excerpts, "Phi-Phi"  
(Christine).  
8.0—Topical; Jean Sablon.  
8.35—Alemany Tango Band,  
8.50—"La bonne histoire".  
9.5—Max Regnier and Company.  
10.0—News; Records.  
10.30—Cabaret.  
11.0—News.

**PARIS (PTT)**

695 kc/s (431.7 m.); 120 kW.  
Transmits at intervals from 6.30 a.m.  
4.0 p.m.—Lézar (Organ) from the  
Schola Cantorum.  
4.30—Reading (Clovis Hugues).  
4.45—Mme Treizezem - Bleuzet  
(Pfte.); Records.  
5.15—German Ganiayre (Songs).  
5.30—Records; For Gardeners.  
5.45—Announcements; Art Review.  
6.0—Talk: Lotteries.  
6.15—Talk: The School Child's  
Health.  
6.30—Robert Casadesus Music pre-  
sented by J. L. Croze. Mme  
Gaby Casadesus (Pfte.), Le  
Marc'Hadour (Songs) and Lu-  
cette Casadesus (Violin). Sonata  
for Violin and Pfte. Three  
rondels. Pfte.: Prelude in B  
major, D minor, and D flat  
major.  
7.0—Radio Journal; News.  
8.0—Jean Lumière and Lucienne  
Dugard (Songs).  
8.30—"La Veillée Orléanaise"—  
Radio Fantasy (Danjou), with  
Suzanne Feyrou, Emile Rousseau  
and André Chenal.  
9.0—Chamber Music. Victor Gentil  
(Violin), Boussagnol (Double  
Bass), Ginot (Viola), André-Lévy  
(Cello), Jules Gentil (Pfte.) and  
Suzanne Peignot (Songs). The  
Trout Quintet (Schubert). Songs  
(Schubert, Brahms). Pfte.: Pre-  
ludes (Debussy). Songs (Richard  
Strauss).  
10.0—"Un Soir à Montmartre"—  
Sketch (Desforêts), presented by  
the Author.  
10.30—News; Weather.  
10.45—Esperanto Programme. Ex-  
cerpt, "La Sipego Tentacity"  
("Le Paquebot Tentacity")—  
Play (Vildrac; trans. Roger  
Bernard).

**PARIS (Radio-Paris)**

182 kc/s (1,648 m.); 80 kW.  
6.28 a.m.—Programmes; Records.  
6.40—News; Gym; Records.  
7.15—News; Gym; Records.  
8.0-8.45—News; Records.  
9.45—Programmes; Records.  
10.45—Reading; Couperin and  
Rameau Records.  
11.15—Markets; Exchange; Talks.  
12.15 p.m.—Records: Light Music.  
1.0—Time; News; Exchange.  
1.30—Tubiana (Songs); Records.  
2.0—Programme Notes.  
2.5—"Machine"—One-Act Play  
(Neel).  
2.30—Exchange; Markets.  
2.45—Fauré and Debussy Music by  
Postelnikoff (Pfte.).  
3.0—Denise Cayrol (Songs).  
3.15—Literary Talks.  
3.45—Exchange; Markets.  
4.0—Eva Marcy (Songs).  
4.15—Hélène Boschi (Pfte.).  
4.30—The Week's Anniversaries.  
4.45—Talk; Markets; Exchange.  
5.0—Giardino Orchestra. Overture,  
"Madame Turlupin" (Guiraud).  
Valse des blondes (Ganne). L'eau  
qui court (Georges). Selection,  
"Le Roi d'Ys" (Lalo). Three  
Pieces (de Séverac). Ballet Music,  
"Le Cid" (Massenet).  
6.0—Educational; Racing.  
6.32—Art Review and Talk.  
6.58—Programme; Educational.  
7.30—Books; Review.  
7.45—Paul Reboux.  
7.50—Talk: Poisons.  
7.59—Time; Foreign Affairs.  
8.8—Home Affairs.  
8.15—Sonata (Bréval) by Michelin  
(Cello).  
8.30—Symphony Concert. National  
Orchestra; Conductor: Inghel-

brecht; Raugel Choir; Anita  
Wolfer (Soprano). Part I, La  
mer (Debussy). Psalm XLVII  
(Florent Schmitt).  
9.30—News.  
9.45—Symphony Concert. Part II.  
Excerpts, "Prince Igor" (Borodin).  
10.30—Pierre Seize; Records.  
10.45—Time; News; Programmes.

**PRAGUE**

638 kc/s (470.2 m.); 120 kW.  
Transmits at intervals from 6.0 a.m.  
6.20 p.m.—Band. Conductor: Ures.  
7.0—Time; News; Topical.  
7.25 (from Moravská-Ostrava)—Or-  
chestra.  
7.55—Talk: Borneo.  
8.10 (from Moravská-Ostrava)—Or-  
chestra and Soprano.  
8.35—Play (Pridavok) from Košice.  
9.15—See Bratislava.  
9.55—News; Sports.  
10.15—Records.  
10.35-11.0—Jarosevici (Cello),  
Kredba (Pfte.). Air (Reger). Two  
Romanian Folk Dances (Bartók).  
Three Sketches (Janu). Peasant  
Dance (Dimitriescu). Sicilienne  
(Nottara). Scherzo (van Goens).

**RADIO EIREANN**

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—Talk for Women: Flowers in  
the Home.  
6.15—Songs at the Pfte. by Thom-  
son and Earls.  
6.35—Irish News Feature.  
6.45—Today's News.  
7.0—Sea Shanties by the Cal-  
donian Male Voice Choir.  
7.25—Our Forests—Discussion  
between A. C. Forbes and Dr.  
Henry Kennedy.  
7.45—Chamber Music by Madame  
Van Aalst's Quartet.  
8.15—Talk: St. Anthony of Padua.  
8.30—Irish, English and Welsh  
Music—the Irish Radio Orchestra  
and Meirion Morris.  
9.30—Variety.  
10.30—News.  
11.0—National Anthem.

**RADIO-NORMANDIE**

1,411 kc/s (212.6 m.); 15 kW.  
7.10 a.m.—Call; Review; News.  
7.45—Physical Exercises.  
8.0—Music in the Morning.  
8.15—Time; Browning and Starr.  
8.30—Tom and Wilfrid.  
8.45—Military Band.  
9.0—Time; The Open Road.  
9.15—Light Music.  
9.45—Hutch—Romantic Singer.  
10.0—Time; Request Music.  
10.30—The Musical Mirror.  
10.45—Make Music.  
11.0—Time; Something for Every-  
body.  
11.30—Orchestra. Overture,  
"Rienzi" (Wagner). Finlandia  
(Sibelius).  
12.0 noon—Concert.  
12.30 p.m.—News.  
12.45—Concert.  
2.0—Miniature Matinée.  
2.15—Arthur Young, Wilfrid  
Thomas.  
2.30—The Nimble Needle.  
2.45—The Songs we know them  
by.  
3.0—Mélodious Melodies.  
3.30—A Musical Potpourri.  
4.0—Pleasant Quarter Hour.  
4.15—What's on.  
4.30—Advance Film News; Music.  
4.45—Variety.  
5.15—Bohemian Holiday.  
5.30—For Boys and Girls.  
5.45—Favourites.  
6.0—Markets.  
6.5—Children's Corner.  
6.45—Talk; News; Racing.  
7.0—Chansonnettes.  
7.30—Journal Parlé; News.  
7.45—Sound News.  
8.0—Variety.  
9.0—Chamber Music—Havre  
Woodwind Trio, Denise Bobon  
(Soprano), Dumensil (Tenor).  
11.0—Café Concert.  
12.0 m't.—Melody at Midnight.  
12.30-1.0 a.m. (Tuesday)—Time;  
Dance Music.

**RENNES-BRETAGNE**

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—To be announced.  
8.30—Plays: (a) "Confidences"  
(Raynaud); (b) "Titi Doudou"  
(Béri); (c) "Il faut marier  
Jean"—Play after Henry Ardel  
(Marguerite Blanc-Pierre Louis).  
After the Programme; News; y  
Music.

MONDAY (June 13)

ROME GROUP

Rome (No. 1), 713 kc/s (420.8 m.); 120 kW. Bari (No. 1), etc. See Sunday. Transmits at intervals from 7.45 a.m. 5.0 p.m.—News. 5.15—Liana Pasquali (Harp). Sicilienne (Respighi). Minuet (Rutini). Prelude (Prokofiev). Andante (Tournier). Vers la source dans le bois (Tournier). Rhapsody (Grandjany). 5.50-6.5—Aviation; Poems. 7.0—Talk (French). 7.10—Royal Geographical Society's Report. 7.20—German Lesson. 7.40—Records. 8.0—Time; News; Music. 8.30 (Palermo and Naples No. 2 only)—Light Music. 9.0—"La principessa Liana" (Tito Schipa). Conductor: The Composer. In the intervals, Radio Notes; Announcements. 11.0—News. 11.15-11.55—Dance Music.

SAARBRÜCKEN

1,249 kc/s (240.2 m.); 17 kW. Relayed by Kaiserslautern, 1,429 kc/s (209.9 m.). Transmits at intervals from 6.0 a.m. 12.0 noon—See Hamburg. 2.0 p.m.—News. 2.15-3.0—See Berlin. 4.0—See Deutschlandsender. 5.40—Book Review. 6.0—Marches from Five Centuries. 6.30—Talk with Records. 7.0—Time; News; Records. 7.30—Topical. 8.0—Operetta Music. Station Orchestra, Soprano, Tenor. Excerpts, "A Night in Venice" (Strauss), "Tajana" (Grams), "Die Fledermaus" (Strauss), "Monika" (Dostal), "Herz über Bord" (Künneke), "Auf grosser Fahrt" (Raymond), "Ball der Nationen" (Raymond), "Extrablätter" (Dostal), "Der Tenor der Herzogin" (Künneke). 9.0—A Village Evening. 10.0—Time; News; Music. 10.30 p.m.-3.0 a.m. (Tuesday)—See Cologne.

SOTTENS

677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.). 12.29 - 1.45 p.m.—Time; News; Records. 5.0-6.0—See Beromünster. 6.0—Records. 6.30—For Chess Players. 6.50-7.5—Music Talk. 7.15—Micro-Magazine. 7.50—News; Weather. 8.0—Light Music by the Radio-Geneva Ensemble. Marguerite de Reding (Soprano). 8.55—Reading. 9.15-10.30—See Beromünster. 10.30-11.0—Report: The League of Nations and other International Institutions.

STOCKHOLM

704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday. Transmits at intervals from 7.20 a.m. 5.5 p.m.—Folk Music; Reading. 5.45—Records. 6.35—Parliamentary Review. 7.0—News; Weather; Topical. 7.30—Göteborg Radio Orchestra. Conductor: Eckerberg. Overture, Meeressstille und glückliche Fahrt (Mendelssohn). Elegy and Polonaise (Tchaikovsky). Suite, Callirhoe (Chaminade). Selection, "Paganini" (Lehár). Russian March (Luigini). 8.30—History Talk: How the Bernadottes came to Sweden. 9.0—Cabaret Songs by Lulu Ziegler and the Waldimir Orchestra. 9.30—"Beneath the City's Streets"—Report. 10.0—News; Weather. 10.15-10.55—To be announced.

STRASBOURG

859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m. 5.15 p.m.—Wind Instrument Chamber Music. Quintet (Taffanel). Aubade en quintette (Pessard). Sonate pastorale for Flute and Bassoon (Soulage). Suite pittoresque (Pierné). 6.0—Economic and Social Notes.

6.30—See Paris (PTT). 7.0—Radio Journal. 7.30—Records. 8.0—News (German, French). 8.30—Plays by Le Groupe de l'Art Social: (a) "Un Diagnostic" — One-Act Play (Jeanne Magendie); (b) "Pascal" — Two-Act Play (Mortier); (c) "Frédéric Chopin" — One-Act Play with Music (François Richard). 10.0—"La Serenata" Mandoline Band. 10.30—News (French, German).

STUTT GART

574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.45 a.m. 12.0 noon—See Leipzig. 2.0-3.0 p.m.—Records. 4.0—Concert (Recorded). 6.0—Dance Records. 6.20—Topical. 7.0—News; Cultural Calendar. 7.15—Mannheim Light Orchestra. 8.0—"Seltsame Begegnung des Franz Xaver Schmiederer"—Dream Play (Anton Hofbauer). 9.15—Records. 10.0—Time; News; Sports. 10.30—See Cologne. 12.0 m't.-3.0 a.m. (Tuesday)—See Frankfurt.

TOULOUSE (Radio-Toulouse)

913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.0 a.m. 9.0 p.m.—News. 6.15—Film Music. 6.40—Opera Music. Overture, "Cavalleria rusticana" (Mascagni). Triumphal March, "Aida" (Verdi). 6.55—News; Sports; Songs. 7.45—Light Music; News. 8.0—Variety. 8.30—Talk.

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

9.30 Bucharest; 9.40, Oslo; 10.0, Brussels, German stations, Prague, Stockholm; 10.25, Beromünster; 10.30, Radio Eireann, Paris (PTT); 10.45, Radio-Paris; 11.0, Italian stations, Warsaw; 12.5, Budapest 1.

8.45—Musette Orchestra. 9.10—Talk. 9.15—"Amour... Amour"—Fantasy. 10.0—News. 10.15—Operetta Songs. "Ceux de la Légion" (Scotto), "Le Mal du Pays" (Scotto), "Lilac Time" (Schubert-Berté), "White Horse Inn" (Stolz-Benatzky), "Three Waltzes" (O. Straus). 10.35—Salon Orchestra. 10.45—Musical Comedy Music. 11.0—Marches; Light Music. 11.35—Bal Champêtre. 11.45—Dance Music. 12.0 m't.—News.

TURIN GROUP

Turin (No. 1), 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday. Transmits at intervals from 7.45 a.m. 5.0 p.m.—News. 5.15-5.50—Dance Music. 7.10-8.30—See Rome Group; at 7.19 (Rome No. 2 only)—News in English. 8.30—Light and Dance Music; at 8.36 (Milan No. 1, Rome No. 2, and Bolzano)—News and Italian Lesson in German. 9.0—Variety Concert by the Radio Orchestra. 9.45—Topical Talk. 10.0—Abbadò (Violin). Ciaconna (Vivaldi). Partita in G (Mortari). Aria (Pilati). 10.45 (approx.)—Dance Music. 11.0—News; Weather. 11.15-11.55—Dance Music.

VIENNA

592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday. Transmits at intervals from 6.0 a.m. 12.0 noon—See Hamburg. 2.0 p.m.—News; Operetta Records. 3.0—News. 3.30—Pfte.: Variations and Fugue on a Handel Theme (Brahms). 4.0—See Frankfurt; at 5.0—Reading. 6.0—"In Cherry-blossom Land"—Modern Japanese Film Music with Commentary. 6.30—Topical. 7.0—News; Weather. 7.10—Improvisations by Sandauer (Pfte.).

7.25—"Tosca" (Puccini) from the State Opera. Cast includes Maria Nemeth, Kolomon von Pataky and Ludwig Hoffmann. 10.5—News. 10.30—Serenade. Station Orchestra. Conductor: Sandauer. Overture, "Martha" (Flotow). Freut euch des Lebens (Strauss). Musical Memories (Lehár). Two Slav Dances (Dvořák). Unter dem Lindenbaum (Hugo Felix). Pizzicato - Intermezzo (Muh). Leben und Lieben (Kötscher). Serenade (Ranzato). Aquarellbild (Wassil). Waltz Caprice (Richardt). Overture, "Si j'étais Roi" (Adam). 12.0 m't.-3.0 a.m. (Tuesday)—See Cologne.

WARSAW

224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday. Transmits at intervals from 6.15 a.m. 4.0 p.m.—Paszkowska and Szerszynski (Songs) and the Komorowski Brothers (Zither Duo). 4.45—Talk: Pekin. 5.0—Dance Records. 6.0—Sports Notes. 6.10 (from Torun)—Polish Music by Rösler (Pfte.). Theme with Variations (Zelenski). Mazurka in G minor (Zarzycki). Impromptu-cadence (Zaremski). 6.35 (from Katowice)—Hrabiszalkiewicz (Songs). Arioso (Handel). Largo (Handel). Life is a Dream (Haydn). Des Mädchens Klage (Schubert). Folk Song (Pankiewicz). The Enchanted Princess (Gall). 7.0—For Soldiers. 7.20—Topical Talk. 7.30 (from Lwow)—Film Music. Lwow Station Orchestra, Conductor: Seredyński. In the intervals, Film Talk and Sketch (Budzynski). 8.45—News; Topical Talk. 9.0—Talk for Country People. 9.10 (from Poznan)—"Light your Cigarette"—Variety (arr. Wasylewski). 9.50—Sports Notes. 10.0—Records: The New York Philharmonic. Conductor: Toscanini. 11.0-11.5—News.

TUESDAY June 14

National

For Time Signals, see Monday. 10.15 a.m. (D)—Service. 10.30 (D)—Weather Forecast. 10.45 (D)—Shopping talk. 11.5 (D)—Records. 11.25 (D)—For Schools. 11.45 (D)—Chamber Music. 12.15 p.m. (D)—"Made in Great Britain—Cheshire Cheese." 12.45 (D)—Records. 1.15 (D)—An American on Dartmoor: Carolyn Postlethwaite Cobb. 1.30 (D)—Records. 2.0 (D)—For Schools. 4.0 (D)—Jack Hill's Music, with Alex. Penney (Soprano). 4.30 (D)—Melody and Romance. 5.0—Ancient Hungarian Songs. 5.30—England v. Australia. 5.40—Records. 6.0—The First News. 6.25—England v. Australia. 6.40—BBC Military Band: Margaret Balfour (Contralto). 7.40—"The Poet Laureateship": Humphrey Jennings. 8.0—George Edwardes: a biography. Cast includes Sir Seymour and Lady Hicks, Robert Nainby, Willie Warde, Horace Percival, Betty Huntley-Wright, Stuart Robertson, Anne Ziegler, Bertha Willmott, Denis O'Neil. BBC Theatre Chorus and Orchestra. 9.0—The Third News. 9.20—"My Best News Story": Trevor Wignall. 9.40—Early German Sacred Music: Yves Tinayre (Tenor); Section of Boyd Neel String Orchestra. 10.10—"Your Visit to Scotland": Edwin Muir. 10.25—Orchestre Raymonde. 11.15-12.0—Joe Kaye's Orchestra.

London Regional

For Time Signals, see Monday. 10.15-10.45 a.m.—National. 10.45—Harry Engleman's Quintet. 11.15—BBC N. Ireland Orchestra. 12.0—Tom Jenkins (Cinema Organ). 12.30 p.m.—England v. Australia. 12.40—Records.

1.20—England v. Australia. 1.35—Cedric Harper Sextet. 2.15—England v. Australia. 2.30—Records. 3.0—Royal Air Force Band. 4.0—"The Englishman Abroad": reading. 4.15—Records. 4.30—England v. Australia. 4.35—Records. 5.0—The Children's Hour. 6.0—Reginald Foort (BBC Theatre Organ), with Madame Lily Payling. 6.30—Tatiana Makushina (Soprano); Marie Korzhinska (Harp). 7.0—Second News. 7.20—Regional Bulletin for Farmers. 7.30—Swift Serenade. 8.0—BBC Northern Orchestra: Arthur Catterall (Violin). 9.0—Joe Loss and his Band. 9.30—Ben Foord v. Eddie Phillips, from Harringay. 10.30—News Summary. 10.55—Joe Kaye's Orchestra. 11.30—Records. 11.50-12.0—Late News Summary.

Midland

10.15 a.m.-5.0 p.m.—Regional. 5.0—The Children's Hour. 6.0—BBC Midland Orchestra. 6.45—The last days of Amy Robsart at Cumnor Place, told by R. Ellis Roberts. 7.0—The Second News. 7.20—Midland Announcements. 7.30—Billy Merrin's Commanders. 8.0—"John Halifax, Gentleman," a play by Janet Keith. 9.15—Leila Brittain (Pfte.). 9.30-12.0—Regional.

Northern

10.15 a.m.-4.0 p.m.—Regional. 4.0—Evensong from York Minster. 4.45—Records. 5.0—The Children's Hour. 6.0—Records. 6.45—A Cycling Tour of the North, by Harry Rudall. 7.0—The Second News. 7.20—For Northern Farmers. 7.30-12.0—Regional.

Western

10.45 a.m.-5.0 p.m.—National. 5.0—The Children's Hour. 6.0—Regional. 7.20—Western Announcements. 7.30—Regional. 9.15—Pot-pourri of romantic tunes: The Seven Serenaders with Eileen Vaughan and The Three Nomads. 10.0—Records. 10.30-10.55—News Summary.

Welsh

10.15 a.m.-5.0 p.m.—Regional. 5.0—The Children's Hour. 6.0—Mrs. Wilf Hamer's Band. 6.30—Regional. 7.20—Welsh Announcements. 7.30—Welsh News. 7.45—Rhyll Silver Band: Ifor Hughes (Bass). 8.30—Old Welsh Ballads: Haydn Adams (Tenor); The Lyrian Octet. 9.0-12.0—Regional.

N. Ireland

10.15 a.m.-5.0 p.m.—Regional. 5.0—The Children's Hour. 6.0—Regional. 7.20—N. Ireland News. 7.30—Regional. 8.0—Mrs. Rooney of Belfast. 8.10—BBC N. Ireland Orchestra. 9.0-12.0—Regional.

Scottish

10.15-10.45 a.m.—Regional. 10.45—Records. 11.0—For Schools. 11.25-2.0 p.m.—National. 2.0—Herring Fishing Bulletin. 2.5—For Schools. 3.0—Bette Weir (Soprano); Robert Allan (Bass-Baritone). 3.20—Records. 3.45—Gaelic Songs. 4.0-5.0—National. 5.0—The Children's Hour. 6.0—Regional. 6.20—Gaelic talk. 6.30—Grieg: musical biography. 7.0—The Second News. 7.20—Scottish Announcements. 7.30—Regional. 8.0—"Unwillingly to School": scenes in the story of Scottish Education from 1411 to the present day. 8.30—Scots Folk Songs: James Hunter (Bass-Baritone); Strings of the BBC Scottish Orchestra. 9.0-12.0—Regional.

Hours of Transmission in British Summer Time.

BERLIN

841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 6.0 a.m. 12.0 noon—See Munich. 2.0 p.m.—News; Water Level. 2.15—Berlin Opera Preview. 3.0—Rau Band; at 3.15-3.35—Markets. 4.0—See Königsberg. 5.30—The Monthly Calendar—Musical Review. 6.0—Rau Band. 7.0—News; Topical. 7.10—Records: Miliza Korjus (Coloratura-Soprano) and Geczy Band. 7.45—Evening Echoes. 8.0—Two Youth Symphonies—Berlin Philharmonic. Conductor: Heinrich Steiner. The Jena Symphony (Beethoven). Symphony in C (Bizet). 9.0—Station Orchestra, Willy Steiner (Violin). Rockstroh and Gottschalk (Pfte.), Schüchner (Cello), Schipulle (Flute), Kleinath (Saxophone), Steinbock (Accordion), Bender (Xylophone). Eine kleine Nachtmusik (Mozart). Fantasia in F minor for Two Pftes. (Schubert). Violin: Colombine (Rosner). Poème (Fibich). "Cello: Prayer (Squire). Flute: Spitzwegstädchen (Gambke). Saxophone: Valse vanité (Wiedoeff). Accordion: Popocatepetl (Steinbock). Xylophone: Gallop (Müller). 10.0—News. 10.30—See Hamburg. 12.0 m't.-3.0 a.m. (Wednesday)—See Stuttgart.

BEROMÜNSTER

556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.). 6.15-6.35 a.m. (from Basle)—Gym. 12.0 noon—Records. 12.30 p.m.—News; Exchange; Records. 4.30 (from Berne)—Clarinet Quintet in A (Mozart) by Simon Bellison and the Roth Quartet (Records). 4.59—Time. 5.0-6.0—See Sottens. 6.0-7.25—From Berne. 6.0—Weather; Song Records. 6.15—Talk: The Opening of the Brünig Railway in 1889.

6.35—Slav Music. 7.0—Labour Exchange; Records: Serenades. 7.25—League of Nations Report from Geneva. 7.40—Announcements. 8.0—"Fidelio" (Beethoven), from the Municipal Theatre, Zurich. Guest Conductor: Furtwängler. 10.35-10.40—Announcements. BRATISLAVA 1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 6.0 a.m. 6.0 p.m.—Hungarian Transmission: Talk; Duet for Violin and Cello (Kodaly); For Workers. 6.45—News in German. 7.0-11.0—See Prague; at 10.15—News (Hungarian).

BRESLAU

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz and Görlitz, 1,231 kc/s (243.7 m.). Transmits at intervals from 5.0 a.m. 12.0 noon—Military Band. 1.0 p.m.—News. 1.15—Orchestra from Munich. 2.0—News; Exchange. 2.15-3.0—See Hamburg. 3.30—For Children. 4.0—Richter (Harpischord). Vormsng (Viola d'amore), Binnowsng (Viola da gamba). 5.0—Band. Conductor: Humpert. 6.0—Talk; Reading. 6.30—Contemporary Songs by Else Evers-Schulze (Contralto). 6.55—Tomorrow's Programmes. 7.0—News; Markets. 7.10—Band. Conductor: Humpert. 8.0—"Sound of Bells from the Ocean-bead"—Folklore Sequence (Prugel). 9.0—Sound News. 9.15—In a Luisitz Mountain Hut. Reichenau Folk Players, Peasant Band, etc. 10.0—News. 10.20—Political Press Review. 10.35—An Evening in a Luisitz Mountain Hut (contd.). 12.0 m't.-3.0 a.m. (Wednesday)—See Vienna. BRNO 922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 6.0 a.m. 6.0 p.m.—German Transmission: Social Notes; For Farmers. 6.35—Records. 6.45—News in German. 7.0-11.0—See Prague.

TUESDAY (June 14)

BRUSSELS (No. 1) 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—Radio Orchestra. Conductor: Gason; at 1.0—News. 1.30—Records: Film Music. 2.0-2.45—Art Notes; For Schools. 4.55—News. 5.0—Perbal (Violin). 5.30—For Children. 6.5—Poems of Clément Marcot, François Villon, Charles d'Orléans and Rutebeuf. 6.30—Records: 'Cello Concerto (Dvofák) by Casals and Orchestra. 6.50—Records: "Samson and Delilah" (Saint-Saëns). 7.0—Roman Catholic Review; For Workers; Film Notes. 7.15—Address by H. E. Cardinal Van Roey. 7.30—News. 8.0—American Music by the Radio Orchestra. Conductor: Gason. Park Avenue (Malneck), Caprice Futuristic (Malneck), Xylophone Solo. Deep purple (de Rose), American Bolero (Newman). 8.30—See Strasbourg. 9.45—Records: Concerto for the Left Hand (Debussy). 10.0—News; Request Records. 10.55-11.0—Christus vincit (Liszt).

BRUSSELS (No. 2) 932 kc/s (321.9 m.); 15 kW. Programme in Flemish. 6.30-9.0 a.m.—Records; Gym; News. 12.0 noon—Records. 12.31 p.m.—Salon Orchestra; Records. 1.0—News; Shipping. 1.10—Brenders Jazz Band. 1.30—Records. 2.0-2.45—For Schools. 4.55—News. 5.0—Brenders Jazz Band; Records. 5.45—For Children. 6.30—Cigány Music by the Salon Orchestra. Conductor: Féron. 6.45—Talk: Brussels to-day. 7.0—Records. 7.30—Social Review. 8.0—The Cavellis (Accordions) and Len Connell (Songs). 8.45—Talk: The Workers' Gymnastic and Sports Centre. 9.0—Belgian National Orchestra. Conductor: Kumps. De Vries (Pfte.). The Unfinished Symphony in B minor (Schubert). Pfte. (Chopin): (a) Etude, (b) Nocturne in F, (c) Prelude. Hungarian Dances (Brahms). Pfte. Concerto (Liszt). 10.0-11.0—News; Request Records.

BUCHAREST 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. 6.15 p.m.—Borodin Records. 7.0—Talk. 7.15—Fazla Mandoline Band. 7.50—Romanian Composers—Radio Orchestra. Conductor: Rogalsky; at 8.30—Talk. 9.30—News; Sports. 9.45—Café Concert. 10.45—News (German, English).

BUDAPEST 546 kc/s (549.5 m.); 120 kW. Transmits at intervals from 6.45 a.m. 12.5 p.m.—Stepat Balalaika Band; at 12.30—News. 1.30—Station Band. 2.35—News. 4.10—For Women. 5.0—Old Hungarian Songs by Isabella Nagy and József Cselényi, with Aladár Ráczy (Cymbalom), Bujka (Tárogató), and the Pertis Cigány Band. 6.0—Mihály Huszár. 6.25—Ilinczky Jazz Band. 7.30—Ferenc Schmidt. 8.0—Military Band. 9.20—News. 9.45—Records. 11.0—News (German, Italian). 11.10—Vidák Cigány Band. 12.5 a.m. (Wednesday)—News.

COLOGNE 658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 5.0 a.m. 12.0 noon—Station Orchestra. 2.0 p.m.—News; Light Music. 3.0—Riddles; Records; Markets. 4.0—New Operetta Records. 5.0—Music by Girls and Boys. 5.30—Chamber Music. Suite for Pfte. (Bresgen). Song Cycle (Kilpinen). Serenade for Flute, Violin and Viola (Reger). Two Songs (Kilpinen). Musizierstücke for Violin and Pfte. (Riethmüller). 6.30—English Talk. 6.50—Snapshots. 7.0—News.

7.10—Report: The Breslau Gymnastics Festival. 7.15—Station Orchestra. Conductor: Breuer. Overture, "Alessandro Stradella" (Flotow). Three Pieces for Orchestra (Klughardt). Galantes Schäferspiel (Weninger). Turkish Suite (Gawwin). Siciliana (Schmalstich). Excerpts, "Aennchen von Tharau" (Strecker). Ein Walzer aus Wien (Germann). March, Lumpus und Pumpus (Müllöcker). 8.15—"The Burglar" Sketch (Taureggen). 8.30—Gala Band—Hagedstedt Dance Band, Military Band, Melitta Wittenbecher (Soprano); at 10.0-10.15—News. 12.0 m't.—3.0 a.m. (Wednesday)—See Vienna.

DEUTSCHLANDSENDER 191 kc/s (1,571 m.); 60 kW. Transmits at intervals from 5.0 a.m. 12.0 noon—See Stuttgart. 1.45 p.m.—News. 2.0—Jäger Band and Records. 3.0—Markets; Exchange; Dance Records; Programmes. 4.0—See Stuttgart. 5.0—Reading. 5.10—Band from Breslau. 6.0—Schumann and Schubert Songs by Pfarr (Baritone). 6.20—Records. 6.35—Report: The DAF Housing Bureau. 6.55—Genealogy. 7.0—Motto; News. 7.10—Variety with the Derksen Band, Margit Humbrecht, Blanke and Munsonius. 8.0—Reading. 8.10—Dobrinndt Band. Romantic Overture (Künneke). Tanzrhythmen (Dressel). Movements from "Eine kleine Serenade für Streichorchester" (Trunk). Lied in der Dämmerung (Mikulicz). Pester Carneval (Liszt). Hungarian Rhapsody (Liszt). 9.0—Political Press Review. 9.15—Station Orchestra. Conductor: Stange. Symphony in B flat (Haydn). Till Eulenspiegel's Merry Pranks (Strauss). 10.0—News; Topical. 10.30-10.45—Mümmelmännchen Suite (Kaun) by Hansche (Pfte.). 11.0—Dance Music from Cologne. 12.0 m't.—2.0 a.m. (Wednesday)—See Vienna.

FRANKFURT 1,195 kc/s (251 m.); 25 kW. Cassel, etc. See Sunday. Transmits at intervals from 5.0 a.m. 12.0 noon—See Munich. 2.0 p.m.—Time; News; Records. 3.0-3.30—Violin and Pfte. 4.0—See Königsberg. In the interval, The Roving Microphone. 6.0—Topical Talks. 6.30—Members describe their cruise to Scandinavia in the KdF Ship "Wilhelm Gustloff." 7.0—Time; News; Talk: Sans-Souci. 8.0—See Stuttgart. 10.0—Time; News. 10.20—Political Press Review. 10.35—Music from Hamburg. 12.0 m't.—3.0 a.m. (Wednesday)—See Stuttgart.

HAMBURG 904 kc/s (331.9 m.); 100 kW. Bremen, etc. See Sunday. Transmits at intervals from 5.45 a.m. 12.0 noon—Military Band, etc. 1.5 p.m.—Topical. 1.5—Music from Munich. 2.0—News. 2.15—Light Music. 3.0—Shipping; Markets. 3.25—Records: Quartets (Haydn, Malipiero). 4.0—Light Orchestral; in the interval, Books. 5.30—Records. 6.0—"Mannshand Baven"—Dialect Pictures and Songs to the Lute. 6.45—Weather; Harbour Notes. 7.0—News. 7.10—Air Force Band. 7.50—Topical Mirror. 8.0—See Stuttgart. 10.0—News. 10.30—Light and Dance Music—Station Choir and Orchestra. 12.0 m't.—3.0 a.m. (Wednesday)—See Vienna.

HILVERSUM (No. 1) 160 kc/s (1,875 m.); 10 kW until 8.40 p.m.; 150 kW from 8.40 p.m. Also on Jaarsveld, 722 kc/s (415.4 m.); 17 kW. KRO Programme. 7.40-8.55 a.m.—Records. 9.40—Records. 11.10—Religious Address. 11.40—Police Messages; Records. 1.40 p.m.—For Women.

2.40—KRO Melodists. Conductor: Lustenhouwer. Klein (Refrains). 3.25—Weather; Records. 3.40—KRO Chamber Orchestra. Conductor: Reinards. 4.25—Records. 4.40—KRO Orchestra. Conductor: Reinards. Overture, "The Force of Destiny" (Verdi). Ballet, "The Bartered Bride" (Smetana). Eternelle ivresse (Gariné). Excerpts, "Turandot" (Puccini). 5.25—Greetings; Records. 5.55—Swimming Lesson. 6.10—KRO Melodists. Conductor: Lustenhouwer. Klein (Refrains). 6.40—Police Messages; Talk. 7.15—Sports; News; KRO Notes. 7.55—Maestricht Municipal Orchestra. Conductor: Hermans. Turkish March (Mussorgsky). Overture, "Ruslan and Ludmila" (Glinka). Waltz, "The Sleeping Beauty" (Tchaikovsky). Ballet Scene (Glazunov). Italian Caprice (Tchaikovsky). 8.40—Report: The Amsterdam Police. 9.10—KRO Melodists. Conductor: Lustenhouwer. Klein (Refrains). 10.10—Press Review. 10.20—Anderto and his Italian Orchestra. 11.0-11.40—Records.

HILVERSUM (No. 2) 995 kc/s (301.5 m.); 10 kW until 8.40 p.m.; 60 kW from 8.40 p.m. AVRO Programme. 7.40 a.m.—Time; Records. 9.40—Service; Records. 10.10—The Kok Orchestra; at 10.40—For Women. 12.10 p.m.—Records. 12.55—The Sylvestre Trio. 1.40—AVRO Orchestra. Conductor: Treep; Recitation. 2.40—Jetty Cantor's Orchestra. Records in the interval. 4.10—Children's Choir. 4.40—For Children. 5.10—AVRO Orchestra. Conductor: Treep; Records. 6.10—Lincke Concert by the AVRO Orchestra. Conductor: Treep. 6.40—AVRO Dance Band from the Casino, Scheveningen. 7.20—Interview. 7.40—Time; News; Records. 8.10—"Tuesday Night Special"—Variety. Kovacs Lajos Orchestra, Ingrid Larsen (Saxophone), Torani (Yodels), De Berekickman, Palla (Organ), Scholte (Songs). 9.55—A Play. 10.25—Records. 10.40—News. 10.50-11.40—Dance Records.

KALUNDBORG 240 kc/s (1,250 m.); 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.). Transmits at intervals from 7.0 a.m. 12.0 noon-2.0 p.m.—Wivex Orchestra. 2.30—Preil's Ensemble; at 3.20—Reading: Chinese and Japanese Legends. 4.30—For Children; Notes. 5.0—Talk: The Unemployed. 5.10—Talk: Heath Cultivation. 5.25—Weather; Exchange; Markets. 5.50—Christensen (Accordion). 6.15—Talk: Denmark's Social Aims. 6.35—German Lesson. 7.0—News; Interview. 7.30—Talk: Determination of Sex. 8.0—"Nasreddin Hadscha"—Picture Book with Music (Faiss). 8.50—A Visit to Ebeltoft. 9.15—Opera Music. Radio Orchestra, Conductor: Tuxen. Jacobsen (Songs). Overture, "The Seraglio" (Mozart). Aria, "Così fan tutte" (Mozart). Overture, "La Cenerentola" (Rossini). Aria, "Le Roi d'Ys" (Lalo). Waltz, "Faust" (Gounod). Aria, "The Girl of the Golden West" (Puccini). Selection, "Tosca" (Puccini). 10.0—News. 10.20—Radio Orchestra. Conductor: Tuxen. Fingal's Cave (Mendelssohn). Holberg Suite (Grieg). Spanish Caprice (Rimsky-Korsakov). 11.10 p.m.—12.30 a.m. (Wednesday)—Julian Dance Band; at 12.0 m't.—Chimes.

KÖNIGSBERG (Heilsberg) 1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.). Transmits at intervals from 5.0 a.m. 12.0 noon—See Munich. 2.0 p.m.—News; Talk; Music. 2.55-3.0—Exchange. 3.30—Talks. 4.0—Station Orchestra. 6.0—Talk: Genealogy. 6.20—Spitzeg-Bilder (Ruksbeio); Music by Kaun.

6.50—Local News. 7.0—News; Gymnastics. 7.20—"Bummel um den Oberreich"—Sequence (Krüger) with Orchestra and Börschel Band. 9.0—Topical Talk. 9.15—Worrings (Bass) and the Ninke Trio. Songs (Schubert): (a) An die Musik, (b) Der Wegweiser, (c) Fahrt zum Hades, (d) Die Post. Excerpts, Pfte. Trio (Schumann). Songs (Schumann): (a) Auf dem Rhein, (b) Frühlingsfahrt, (c) Auf das Trinkglas eines verstorbenen Freundes. Pfte. Trio in C minor (Suk). 10.0—News. 10.20—Political Press Review. 10.35—Organ and Choral Music. 11.10—Records. 12.0 m't.—3.0 a.m. (Wednesday)—See Vienna.

LEIPZIG 785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.). Transmits at intervals from 5.50 a.m. 12.0 noon—See Munich. 2.0 p.m.—News; Exchange; Records. 3.0—Talk; Records; Books. 4.0—Fricke Band and Möller ('Cello); at 5.0-5.10—Time; Markets. 6.0—Talk. 6.20—Dorothea Schröder (Contralto), and Gulden (Pfte.). Songs (Schubert): (a) Gott im Frühling, (b) Im Frühling, (c) Frühlingsglaube. Frühlingnacht (Schumann). Songs (Ambrosius): (a) Frühlingssgruss, (b) Tusch, (c) Morgengruss. Frühlingssonne (Trunk). Songs (Brahms): (a) Mainacht, (b) Frühlingsslied. Songs (Wolf): (a) Im Frühling, (b) Er ist's. 6.50—Topical. 7.0—News. 7.15—"Elder Blossoms"—Musical Sequence (Meckel). 8.0—"Feminine Wiles"—Variety (Eise Pfaff) with Lea Piltzi (Coloratura Soprano), Gertrud Riedinger (Soprano), Carnuth (Tenor), Böhmer (Baritone), Zeithammer (Bass) and the Leipzig Symphony Orchestra. Conductor: Kretzschmar. 10.0—News. 10.20—The Rome Quartet. 11.0—Music from Hamburg. 12.0 m't.—3.0 a.m. (Wednesday)—See Vienna.

LILLE (Radio PTT Nord) 1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.30 a.m. 6.30 p.m.—Economic and Social Notes. 7.0—Reading (Bertrand). 7.30—Radio Journal. 8.0—See Paris (PTT). 8.30—To be announced. After the Programme; News.

LYONS (PTT) 648 kc/s (463 m.); 100 kW. Transmits at intervals from 6.30 a.m. 6.30 p.m.—Economic and Social Notes. 7.0—Records. 7.30—Radio Journal; Weather. 8.0—Press Review. 8.6—Art Talk. 8.13—Talks; Record. 8.30—Chamber Music—Mme Pellicier-Lefort (Songs), Mlle Desgeorge (Harp), Simone Daubian (Pfte.), Megret (Violin), Lambret (Viola). Duchon-Doris ('Cello), and Lespes (Flute). Talk by Léon Guichard. Flute and Harp: Suite (Telemann). Songs (Mozart, Schumann). Prelude, Marine et chanson (Ropartz). Talk: Lamartine. Songs to Harp Accompaniment. Pieces (Liszt). Flute, Violin, and Harp: Suite (Goossens). Chants d'Auvergne (Canteloube). Quintet (d'Indy). 10.30-11.0—News (French, German).

MONTE CENERI 1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 12.0 noon. 7.50 p.m.—News. 8.0-10.35—See Beromünster. In the interval, Talk: Beethoven.

MOSCOW 172 kc/s (1,744 m.); 500 kW. 12.30 p.m.—Talks in Italian. 5.45—Music and Talk. 9.30—News; Kremlin Chimes. 10.5—Talks (Dutch, Swedish). 12.0 m't.—Talks in Spanish.

MUNICH 740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.). Transmits at intervals from 6.0 a.m. 12.0 noon—Dance Band and Schrammel Ensemble. 2.0 p.m.—News; Exchange. 2.15—See Hamburg. 3.0-3.30—For Children. 4.0—Chamber Music. 4.40—Reading. 5.0—Time; Weather; Markets. 5.10—Augsburg Dance Band and Schrammel Quintet; at 6.0-6.10—Anniversaries. 7.0—Time; News. 7.10—"Die Teufelsbraut"—A Tyrolean Play (Kranewitter); Music by Kusche. 8.50—Carl Ehrenberg Concert. Station Orchestra. Conductor: The Composer. Marius Andersen (Tenor). Compère: Valentin. Romantic Suite. Two Odes: (a) An der Bahre der Geliebten, (b) Neid der Sehnsucht. Adagio and Finale from the Symphonic Suite. 10.0—Time; News. 10.20—To be announced. 10.30—See Hamburg. 12.0 m't.—3.0 a.m. (Wednesday)—See Vienna.

NAPLES GROUP Naples (No. 1), 1,104 (271.7 m.); 10 kW. Florence (No. 1), etc. See Sunday. Transmits at intervals from 7.45 a.m. 7.0 p.m.—Music; Topical Review. 7.20—Band. Inno imperiale (Mascagni). Waltz (Stura). Mazurka (Petrucci). Polka (Sardo). March, Anima fascista (Orsomando). Mazurka and March, Au Japon (Ganne). Waltz, Morgenblätter (Strauss). Mazurka, Diavolletto (Cantico). Vida que pasa (Bottino). March, Bonignona (Marinaccio). 8.0—Time; News. 8.30—String Orchestra. 9.0—Sketch; Song Potpourri—Cetra Orchestra. 10.0—Village Band. 10.30-11.55—Dance Music; at 11.0—News.

OSLO 260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday. Transmits at intervals from 10.30 a.m. 5.5 p.m.—Variety Programme. 6.20—Talk; News. 7.15—Light Music; Talks. 8.0—See Warsaw. 8.55—Talk. 9.20—Raic da Costa Music by Haakon Berge (Pfte.). Moods. Jig. Jazz Goblins. Waltz. Cascades. 9.40—News; Topical Talk. 10.15-11.0—"A Musical Voyage"—Station Orchestra. Conductor: Kramm.

PARIS (Eiffel Tower) 1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 6.30 a.m. 8.0 p.m.—André Bernadet (Songs), Paulette Mayer (Pfte.). Pfte.: (a) Gavotte (Lullu), (b) Les Cyclopes (Rameau). Songs (Roussel, Delannoy, Chausson). Pfte.: (a) Couvent (Borodin), (b) Prelude (Rachmaninov). Aria, "Hérodiade" (Massenet). 8.30—Symphony Concert. Conductor: Bigot. Jacqueline Blancard (Pfte.). Overture, "La Faute de l'Abbé Mouret" (Bruneau). Excerpts, "La Symphonie Légendaire" (Godard). Pfte. Concerto (Haydn). Dimanche Basque (Laparra). Rapsodie sur deux airs angevins (Lekeu). Censukin (Florent Schmitt). Prelude, "Le Miracle" (Hüe). In the interval, Talk. 10.30—Records. 11.0-11.15—News; Weather.

PARIS (Poste Parisien) 959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m. 5.0 p.m.—Concert with Competition. 6.0—News; Exchange. 6.10—Religious Address. 6.20—Records: Dichterliebe (Schumann). 6.58—Racing; Record; Sports. 7.10—Amusement Guide. 7.13—Records of the Comedy Harmonists. 7.23—Jazz Records. 7.45—"Les beaux dimanches," with Perchicot, etc. 8.0—Topical. 8.10—"Y'a d'la Joie"—Programme, with Charles Trenet, Odette Moulin and the Fred Adison Orchestra.

## TUESDAY (June 14)

8.40—"La bonne histoire."  
9.0—"La Comtesse, ma Mère"—  
Two-Act Play (Nivoix).  
10.0—News; Records.  
10.30—Cabaret.  
11.0—News.

## PARIS (PTT)

695 kc/s (431.7 m.); 120 kW.  
Transmits at intervals from 6.30 a.m.  
5.0 p.m.—Marie Simon (Songs).  
5.15—Mme Le Dentu-Bacqueyrisse  
(Harp).  
5.30—Planel (Songs).  
5.45—Music Talk.  
6.0—Medical Talk.  
6.15—Talk: Roads.  
6.30—The Edinger Trio. Trio in C  
(Haydn). Trio in D minor  
(Fauré).  
7.0—Radio Journal; News.  
8.0—Mlle Tant Micux and M. Tant  
Pis.  
8.40—Talk on the following Program-  
me.  
8.45 (also for Alpes-Grenoble (PTT)  
and Marseilles (PTT))—"La  
Traviata" (Verdi) from the  
Opera-Comique, with Solange  
Delmas singing Violetta.  
11.30 (approx.)—Radio Journal;  
News.

## PARIS (Radio-Paris)

182 kc/s (1,648 m.); 80 kW.  
6.28 a.m.—Programme Notes; Re-  
cords.  
6.40—Time; News; Gym; Re-  
cords.  
7.15—News; Gym; Records.  
8.0-8.45—News; Press; Records.  
9.45—Programme; Strauss Records.  
10.0—Harpichord Records.  
10.15—Records; Acts III and IV  
of "Louise" (Charpentier).  
10.45—Reading: The Club of  
Queer Trades (Chesterton).  
11.0—Grieg Records.  
11.30—Records; Markets; Ex-  
change.  
12.0 noon—Jewish Talk.  
12.20 p.m.—Bailly Orchestra.  
1.0—Time; News; Exchange.  
1.30—Jean Planel (Songs).  
1.45—Bailly Orchestra.  
2.0—Programme Notes; Talks.  
2.30—Exchange; Markets; Pfte.  
3.0—Jane Lequien (Songs).  
3.15—Talks.  
3.45—Exchange.  
4.0—Mme Balay (Songs).  
4.15—Mlle Flachot (Cello).  
4.30—Talk: Seventeenth-Century  
Court and Folk Festivals.  
4.43—Talk; Markets.  
5.0—Derveaux Orchestra. Turkish  
March (Mussorgsky). Overture,  
Morning, Noon, and Night  
(Suppé). Douce Réverie (Tchai-  
kovsky). Algerian Nights (Grieg).  
Down South (Myddleton). Selection,  
"Le petit Duc" (Lecocq).  
Romance (Honegger). Three Nell  
Gwynn Dances (German). Gaiement  
(Staub).  
6.0—Educational.  
6.30—Racing; For Ex-Servicemen.  
6.45—Talk: New Words.  
6.55—Dietetics; Programme Notes.  
7.0—Educational.  
7.30—Talk: Through Central  
Europe.  
7.45—For Workers.  
7.59—Time; Home Affairs.  
8.8—Foreign Affairs.  
8.15—Chamber Music by the Bened-  
detti Quartet, Hélène Pignari  
(Pfte.) and Lise Daniels (Songs).  
Pfte.: (a) Novelette (Schuman),  
(b) Romance (Schumann), (c)  
Scherzo valse (Chabrier). Songs  
(Debussy). Quartet (Debussy).  
9.15—News; Press; Sports Talk.  
9.30—"Eve et Linc"—Play in  
Three Acts (Pirandello, trans.  
Crémieux); at 10.45—News;  
Press Review.  
11.30—Tomorrow's Programmes.

## PRAGUE

638 kc/s (470.2 m.); 120 kW.  
Transmits at intervals from 6.0 a.m.  
4.15 p.m.—Muzik Salon Quartet.  
4.45—Talk: Pensions.  
5.0—Military Band from Kralovska-  
Obora. Conductor: Pesta.  
5.40—Yugoslav Songs by the Con-  
servatoire Choir. Conductor:  
Danon.  
6.0—Markets; For Workers.  
6.20—FOC Orchestra. Conductor:  
Smatek. March (Suk). Overtu-  
re, "The Enchanted Prince"  
(Hrimaly). Moravian Folk Dance  
(Janacek). Village Serenade  
(Suk). Polka (Axman). Two  
Pieces (Smatek). Dance,  
"Morana" (Gotovac).  
7.0—Time; News.  
7.15—Talk: Thomas Masaryk.  
7.25—Station Children's Choir,  
Conductor: Kühn.  
7.45—Talk: Thomas Masaryk.

8.0—"The House of the Dead"—  
Opera (Janacek). Conductor:  
Jeremias.  
9.55—News; Sports.  
10.15—Records.  
10.30—Sokol Gym.  
11.0-11.15—News in English.

## RADIO EIREANN

565 kc/s (531 m.); 100 kW.  
Dublin, etc. See Sunday.  
1.30 p.m.—Records.  
2.30-3.0—For Schools.  
5.30—Irish Radio Orchestra. Con-  
ductor: Lieut. D. P. O'Hara.  
6.5—Donegal Poetry in Irish by  
Treasura Nic Aodhain.  
6.20—Molly Grattan Flood (Sop-  
rano).  
6.35—Irish News Feature.  
6.45—News.  
7.0—My favourite Pieces by Nancie  
Lord.  
7.30—Humorous Ballads by Dick  
Smith.  
7.45—Poets who died young, No. 7  
—Burns.  
8.20—Great Irish Names in  
Modern Music—Charles Wood.  
9.0—Peter Lynch (Tenor).  
9.15—Film Criticism by Michael  
Farrell.  
9.30—Variety.  
10.30—News; National Anthem.



Exclusive "World-Radio" Picture

Mme. Marie Simon, who sings in  
the Paris (PTT) studio at 5 p.m.  
and in the Radio-Paris studio at  
11 p.m. on Friday.

## RADIO-NORMANDIE

1,411 kc/s (212.6 m.); 15 kW.  
7.10 a.m.—Call; Review; News.  
7.45—Physical Exercises.  
8.0—Charlie Kunz, Judy Shirley,  
and Cyril Grantham. Compère:  
Maurice Denham.  
8.15—Time; Gay Tunes.  
8.30—Light Music.  
8.45—The Open Road.  
9.0—Time; Big Bill Campbell and  
his Hill Billy Band.  
9.15—Oliver Kimball.  
9.30—Light Music.  
9.45—Waltz Time—Billy Bisset's  
Waltz Time Orchestra, Hugh  
French, Esther Coleman and the  
Waltz Timers.  
10.0—Time; Described on the  
Organ.  
10.15—Normandie Playbill—An-  
nouncements; Music.  
10.30—Radio Favourites.  
10.45—Xylophonia.  
11.0—Time; The Songs we know  
them by.  
11.15—Something for Everybody.  
11.30—Chansonettes.  
12.0 noon—Concert.  
12.30 p.m.—News.  
12.45—Light Music.  
1.0—Concert.  
2.0—Advance Film News; Music.  
2.15—Arthur Young; Wilfrid  
Thomas.  
2.30—Request Music.  
3.0—Dance Moods.  
3.15—The Musical Mirror.  
3.30—Turn Back the Clock.  
4.0—The Pleasant Quarter-Hour.  
4.15—Songs at the Pfte.  
4.30—Continental Dance Music.  
4.45—Talk; Comedyland.  
5.15—For Boys and Girls.  
5.30—Paul Oliver; Olive Palmer.  
6.0—Children's Corner.  
6.45—Talk; News; Racing.  
7.0—Songs of the Gardens of  
France.  
7.30—News; Music.  
8.0—Records of the Paul Godwin  
and Emile Roos Orchestras.  
8.20—Light Music.  
9.0—Paris Programme.

12.0 m't.—Melody at Midnight.  
12.30-1.0 a.m. (Wednesday)—Time;  
Dance Music.

## RENNES-BRETAGNE

1,040 kc/s (288.5 m.); 120 kW.  
Transmits at intervals from 6.30 a.m.  
7.0 p.m.—Radio Journal.  
7.30—Light Music from Limoges  
(PTT).  
8.0—News; Announcements; Re-  
cords.  
8.10—Talk: Brittany under Louis  
XVI.  
8.30—Concert by the Schola Can-  
torum from Nantes Castle. Con-  
ductor: Jardillier. Overture,  
"Rosamunde" (Schubert).  
Songs (Jardillier): (a) Voici la  
Noël, (b) Aime-moi bergère, (c)  
Tambourin. Ballet Suite from  
"Dardanus" (Rameau). Songs  
(Jardillier): (a) Vive l'amour,  
(b) Gardez-vous d'être sévère,  
(c) Le bouquet de roses, (d)  
Trois navires sont à Toulon.  
Excerpts, "Persée" and "Le  
Bourgeois Gentilhomme" (Lulli).  
Songs (Jardillier): (a) Valse sur  
un air de Brahms, (b) Aquellos  
Muntagnos, (c) Le marché aux  
oignons, (d) La violette doublera.  
After the Concert, News; Re-  
cords.

## REYKJAVIK

208 kc/s (1,442 m.); 16 kW.  
Transmits at intervals from 12.0 noon  
9.10 p.m.—Weather (Icelandic,  
German, English).  
9.20—Film Music.  
9.40—News; Foreign Affairs.  
10.15—Talk.  
10.45—Domestic Science.  
11.0—Chamber Music. Quartet in  
E flat (Beethoven). Pfte. Quintet  
in A (Schubert).

## ROME GROUP

Rome (No. 1), 713 kc/s (420.8  
m.); 120 kW. Bari (No. 1), etc.  
See Sunday.  
Transmits at intervals from 7.45 a.m.  
5.0 p.m.—News.  
5.15—Vera Gobbi Belcredi (Pfte.).  
5.50-6.0—Aviation; Morse.  
7.0-7.20—Talk in English.  
7.30—Light Orchestra.  
8.0—Time; News; Music.  
8.30 (Palermo and Naples (No. 2)  
only)—Light Music.  
9.0—"L'Uomo di Birzulah"—  
Three-Act Play (Biancoli-Falconi).  
10.30 (approx.)—Film Notes.  
10.35—Dance Music.  
11.0—News.  
11.15-11.55—Dance Music.

## SAARBRÜCKEN

1,249 kc/s (240.2 m.); 17 kW.  
Relayed by Kaiserslautern, 1,429  
kc/s (209.9 m.).  
Transmits at intervals from 6.0 a.m.  
12.0 noon—See Munich.  
2.0 p.m.—News.  
2.15—See Hamburg.  
3.0-3.30—Fairy Tales.  
4.0—See Königsberg.  
5.45—Review of Periodicals.  
6.0—See Berlin.  
7.0—Time; News.  
7.10—"Where are you, Comrade?"  
7.45—Time; Topical Mirror.  
8.0—"A Soldier's Life"—Military  
Band and Soldiers' Chorus. In  
the intervals, Anecdotes.  
9.15—German Discoveries—Radio  
Pictures (Engasser).  
10.0—Time; News; Topical.  
10.20—Light Music.  
10.30—See Hamburg.  
12.0 m't.-3.0 a.m. (Wednesday)—  
See Vienna.

## SOTTENS

677 kc/s (443.1 m.); 100 kW.  
Relayed by Geneva, 401 kc/s  
(748 m.).  
12.30-1.45 p.m.—News; Records.  
5.0—Radio Suisse romande Orches-  
tra. Conductor: Haug.  
6.0—For Invalids.  
6.15—Radio Suisse romande Orches-  
tra. Conductor: Appia.  
7.0—Theatre Review.  
7.10—Interview with Lt. Col.  
Addor: The Swiss Artillery  
Manoeuvres.  
7.20—Medical Talk; Music.  
7.50—News; Weather.  
8.0—Records: Pfte. Quintet (Moz-  
art) by Schnabel and the Pro  
Arte Quartet.  
8.30—"Monsieur et Madame Un  
Tel..."—Three-Act Play  
(Amiel).  
10.0-11.0—Radio Suisse romande  
Orchestra. Conductor: Haug.  
Violette Vulliamy (Pfte.).

## STOCKHOLM

704 kc/s (426.1 m.); 55 kW.  
Motala, etc. See Sunday.  
Transmits at intervals from 7.20 a.m.  
5.5 p.m.—Talk for Young People:  
Wagner's "Lohengrin."  
5.45—Talk: State Care of the Poor.  
5.45—Records.  
7.0—News; Weather; Topical.

7.30—"Fifty-seven per cent  
Swedes"—Report from James-  
town, New York.  
8.15—Inge-Lise Bock (Songs) and  
Blichmann (Pfte.) from Malmö.  
8.40—Talk.  
9.0—German Folk Songs and  
Dances from Berlin (Recorded).  
10.0—News; Weather.  
10.15-11.0—Radio Orchestra. Guest  
Conductor: Erland von Koch.  
Overture, "Rosamunde" (Schu-  
bert). Second Symphony (Svend-  
sen).

## STRASBOURG

859 kc/s (349.2 m.); 100 kW.  
Transmits at intervals from 6.30 a.m.  
5.0 p.m.—Light Orchestra. Con-  
ductor: Bour. Overture, "Jean  
de Paris" (Boieldieu). Hofball-  
tänze (Lanner). Impressions  
rustiques (Razigade). Salut  
d'amour (Elgar). Offenbach Pot-  
pourri (Conradi). Waltz Pot-  
pourri (Robrecht). Swanee River  
(Myddleton).  
6.0—For Workers.  
6.30—See Paris (PTT).  
7.0—Radio Journal.  
7.30—Light Music from Limoges  
(PTT).  
8.0—News (German, French).  
8.30—Sacred Concert from Stras-  
bourg Cathedral. Station Or-  
chestra and Cathedral Choir.  
Conductor: Abbé Hoch. Marcel  
Dupré (Organ). Fantasia and  
Fugue in G minor (Bach). A-  
cappella Choir: (a) Viri Galilei  
(Couillard), (b) Beata es, Virgo  
Maria (Lhéritier). Introduction  
and Allegro from the Concerto  
in B flat (Handel). Noë, Noë  
(Mouton). Two Old French  
Carols. Basse et Dessus de trom-  
pette (Clérambault). Christmas  
Carol with Variations (Daquin).  
Three Songs (Mozart): (a)  
Adoramus te, Christe, (b) Sancta  
Maria, (c) Te Deum Laudamus.  
Resurrection (Dupré).  
9.45—Opera Arias and Duets by  
Jane Guyla (Soprano) and Genya  
Marat (Mezzo-Soprano).  
10.30—News (French, German).

## STUTTGART

574 kc/s (522.6 m.); 100 kW.  
Transmits at intervals from 5.45 a.m.  
12.0 noon—Baden Provincial Or-  
chestra.  
2.0-3.0 p.m.—Records.  
4.0—Orchestras, Choir and Sop-  
rano from Baden Baden.  
6.0—Talk: Old Austria.  
6.30—Topical.  
7.0—News; Cultural Calendar.  
7.15—"Schwäbisch Hall"—Picture  
of a Town.  
8.0—Light Music. Orchestra. Bara  
(Violin), Mandoline Band, So-  
prano, Tenor, etc.  
10.0—Time; News.  
10.20—Political Press Review.  
10.35—Station Orchestra. Conductor:  
Görlisch. Schimmer (Violin).  
12.0 m't.-3.0 a.m. (Wednesday)—  
Serenade—Station Orchestra.  
Conductor: Buschköter. Törsten  
Ralf (Tenor), Johannes Strauss  
(Pfte.), and the Cologne  
Chamber Trio. Part I: Wagner  
Music. Part II: Chamber Trio.  
Trio Sonata in E (Telemann).  
Flute Sonata (Frederick the  
Great). Trio Sonata in C minor  
(Boyce). Trio Sonata in E minor  
(Corelli). Part III: Overture,  
"Romeo and Juliet" (Tchai-  
kovsky). Pfte. Concerto in C  
minor (Chopin).

TOULOUSE (Radio-  
Toulouse)

913 kc/s (328.6 m.); 60 kW.  
Transmits at intervals from 8.0 a.m.  
6.0 p.m.—News; Songs.  
6.40—Musical Comedy Music.  
6.55—News; Sports.  
7.15—Operetta Songs, "La belle  
saison" (Deletre), "The Grand  
Duchess of Gerolstein" (Offen-  
bach), "The Land of Smiles"  
(Lehár) and "Giuditta"  
(Lehár).  
7.45—Light Music; News.  
8.0—Chansonnettes.  
8.25—Talk; Light Music.  
8.45—Orchestra.  
9.10—Talk; Argentine Cabaret.  
9.30—Variety Item.  
9.35—Operetta Music. Excerpts,  
"Hit the Deck" (Youmans),  
"Au Soleil de Marseille"  
(Sellers), Ballo sieba (Maronco).  
"Dance of the Dragonflies"  
(Lehár), "Primavera" (Pictri).  
10.0—News.  
10.15—Songs. Santa Lucia. Gio-  
vanito mi carbat canto (Fera-  
dini). Ciribiribin (Pestalozza).  
Cuanto si bella (Bonincontro).  
Le secret de tes caresses (Alla).

10.35—Film Music; Orchestra.  
11.0—Bal Champêtre.  
11.15—Light Music.  
11.45—Dance Music.  
12.0 m't.—News.

## TURIN GROUP

Turin (No. 1), 1,140 kc/s (263.2  
m.); 7 kW. Milan (No. 1), etc.  
See Sunday.  
Transmits at intervals from 7.45 a.m.  
5.0-5.50 p.m.—News; Records.  
7.19 (Rome (No. 2) only)—News  
and Talk in English.  
7.30-8.30—See Rome Group.  
8.30—Radio Orchestra; at 8.36  
(Milan (No. 1), Rome (No. 2)  
and Bolzano)—News and Talk in  
German.  
9.0—"Siberia" (Giordano). Con-  
ductor: The Composer. Chorus  
-Master: Costantini. Cast: Stella  
Roman, Antonio Melandri,  
Apollo Granforte, Gino Del  
Signore, Edmea Limberti, Adelio  
Zagonara, Luigi Bernardi. In  
the intervals, Talk; News.

## VIENNA

592 kc/s (506.8 m.); 100 kW.  
Graz, etc. See Sunday.  
Transmits at intervals from 6.0 a.m.  
12.0 noon—See Munich.  
1.0 p.m.—News.  
1.15—Station Orchestra.  
2.0—News; Records.  
3.0—News.  
3.30—Martha Elschnigg (Soprano)  
and Anny Hartig-Blank (Pfte.).  
4.0—See Leipzig; at 5.0-5.10—  
Talk.  
6.0—Handwerk.  
6.20—Records: "Boris Godunov"  
(Mussorgsky).  
6.30—Topical.  
7.0—News.  
7.10—See Deutschlandsender.  
8.0—To be announced.  
8.10-9.15—See Deutschlandsender.  
9.15—"In the Frontier Land"—  
S.A. Choirs and Speakers.  
10.0—News.  
10.30—Station Orchestra. Conduc-  
tor: Sandauer. Borsos (Tenor).  
Noë (Flute). Overture, Bagatelle  
(Rixner). Aquarellen-Walzer (Jos.  
Strauss). Song, Birken grünen  
(Künneke). Concert Piece for  
Flute: Erste Liebe (Suppé).  
Concert Waltz, Le Tourbillon  
(Matten). Gruss aus Wien  
(Schneider). Song, "Die Viel-  
geliebte" (Dostal). S's Schützen-  
lied (André). Overture, "Indigo"  
(Strauss). Song, Denk' nicht an  
morgen (Pillinger). Erinnerungen  
an Alt-Wein (Mikulas). Song,  
Die alte Gaslantern' (Hambach).  
Stolz Potpourri (Dostal).  
12.0 m't.-3.0 a.m. (Wednesday)—  
Serenade. Part I: "Dream  
Pictures"—Vienna Chamber Or-  
chestra. Conductor: Krempf.  
Part II: Folk Music by the  
Zanoskar Players and the Weber  
Zither Quartet. Part III:  
"Dream Pictures"—Vienna  
Chamber Orchestra. Conductor:  
Krempf.

## WARSAW

224 kc/s (1,339 m.); 120 kW.  
Cracow, etc. See Sunday.  
Transmits at intervals from 6.15 a.m.  
4.0 p.m.—Wilkosz Quintet and  
Zachert (Songs).  
4.45—Recitation.  
5.0—Dance Music by the Rynas  
Ensemble; at 5.30—Programmes.  
6.0 (from Poznań)—Talk.  
6.10—Dancowski (Cello) and  
Raczkowski (Pfte.). Sonata in B  
flat (Handel). Sonata in D (Bach).  
Adagio and Toccata in C (Bach).  
6.45—Reading (Reymont).  
7.0—Bender (Bass). Songs (Schu-  
bert): (a) Der Schwager, (b)  
Der Kreuzzug, (c) Lachen und  
Weinen, (d) Im Abendrot. Songs  
(Brahms): (a) Sapphische Ode,  
(b) Auf dem Kirchhofe.  
7.20—Zaremba Quartet.  
7.50—Farmers' Letter-box.  
8.0 (from Cracow)—Music Festival  
from Wawel Castle—Szymanowski  
Concert. Choir and Orchestra,  
Conductor: Fitelberg; Umińska  
(Violin), Drzewiecki (Pfte.), and  
Janowski (Tenor). Part I: Overtu-  
re Concertante. Hymn, Veni  
Creator. Violin Concerto.  
8.50—News; Topical Talk.  
9.5 (approx.)—Music Festival,  
Part II: Symphonie Concertante  
for Pfte. and Orchestra. Ballet  
Music, "Harnasie"; at 8.50—  
Radio Journal; Topical Talk.  
10.15—Sports.  
10.25—"Musical Mosaic"—Grab-  
czewski (Baritone), Zynski (Pfte.),  
Tychowski (Guitar), etc.  
11.0-11.5—News.

# June 15 WEDNESDAY

## National

For Time Signals, see Monday.  
 10.15 a.m. (D)—Service.  
 10.30 (D)—Weather Forecast.  
 10.45 (D)—"Liechtenstein:" Giles Playfair.  
 11.0 (D)—Records.  
 11.30 (D)—For Schools: French.  
 11.50 (D)—Julius Kantrovitch's Orchestra.  
 12.30 p.m. (D)—Violet Carson (Songs at the pte.).  
 12.45 (D)—"The Private Soldier:" Ian Hay.  
 1.0 (D)—BBC Northern Orchestra: Booth Unwin (Bass-Baritone).  
 2.0 (D)—For Schools.  
 2.50 (D)—The Wessex Players.  
 3.15 (D)—Irish Dance Music: Afric McGinley (Contralto); Section of BBC N. Ireland Orchestra.  
 3.45 (D)—"Tinkering with your Car:" John Prioleau.  
 4.0 (D)—Evensong from St. Paul's Cathedral.  
 5.0—Records.  
 5.20—Lou Preager's Band.  
 6.0—"The First News."  
 6.20—"Finland Farming:" R. Kirkham and J. A. Scott-Watson.  
 6.40—BBC Orchestra (Section C): May Mukle (Cello).  
 7.30—Margarete Kubatzki (Soprano); BBC Theatre Orchestra.  
 8.0—Gerald's Concert Orchestra.  
 9.0—The Third News.  
 9.20—Hail, Variety 1 with Charles Austin, George Mozart, Archie Harradine, Nat Travers.  
 10.0—Act 3, "La Bohème" (Puccini) from Covent Garden, with Stella Andreeva, Lisa Perli, Luigi Rossi Morelli, Beniamino Gigli; Conductor Vittorio Gui.  
 10.30—BBC Military Band: March, Britain Advance (Renard); Overture, Der Freischütz (Weber); Suite, Four Ways (Eric Coates); In Romany Land (de Lyle); Three Dances (Gerrard Williams).  
 11.15—Oscar Rabin's Romany Dance Band.  
 11.30—12.0—Swing Records.

## London Regional

For Time Signals, see Monday.  
 10.15-10.45 a.m.—National.  
 10.45—BBC Welsh Orchestra: Idris Daniels (Baritone).  
 11.45—Sidney Torch (Cinema Organ).  
 12.30 p.m.—Erich Olschewski's Orchestra, from Berlin.  
 1.15—G. D. Cunningham (Organ).  
 2.0—Records.  
 2.50—Shula Doniach (Pfte.)—Handel's Suite in G.  
 3.15—BBC Empire Orchestra: Arthur Fear (Baritone).  
 4.15—Take Your Choice, with Janet Lind, Bernard Clifton, Richard Littledale, Geoffrey Wincott, Alexander Archdale, and The Three Cheers.  
 5.0—The Children's Hour.  
 6.0—George Edwardes: biography, with Sir Seymour and Lady Hicks, Robert Nainby, Willie Warde, Horace Percival, Betty Huntley-Wright, Stuart Robertson, Anne Ziegler, Bertha Willmott, Denis O'Neil; BBC Theatre Chorus and Orchestra.  
 7.0—The Second News.  
 7.20—Regional Announcements.  
 7.30—"The World Goes By."  
 8.0—Douglas Cameron (Cello).  
 8.25—Acts 1 and 2, "La Bohème" (Puccini) from Covent Garden, with Luigi Rossi Morelli, Beniamino Gigli, Corrado Zambelli, Aristide Baracchi, Octave Dua, Lisa Perli, Roy Devereux, Stella Andreeva; Conductor, Vittorio Gui.  
 9.10—"England: South and East."  
 9.25—Act 2, "La Bohème" (Puccini).  
 9.45—Berkeley Mason (Pfte.).  
 10.0—News Summary.  
 10.25—Oscar Rabin's Romany Dance Band.  
 11.30—Records.  
 11.50-12.0—Late News Summary.

## Midland

10.15 a.m.—5.0 p.m.—Regional.  
 5.0—The Children's Hour.  
 6.0—Regional.  
 7.20—Midland Announcements.  
 7.30—Regional.  
 8.0—Alfred Cave (Violin).  
 8.25-12.0—Regional.

## Northern

10.15 a.m.—1.15 p.m.—Regional.  
 1.15—The Lightweight T.T. Race.  
 2.45-5.0—Regional.  
 5.0—The Children's Hour.  
 6.0—Regional.  
 7.20—For Northern Farmers.  
 7.30—Regional.  
 8.0—Conrad W. Eden (Organ).  
 8.25-12.0—Regional.

## Western

10.45 a.m.—6.0 p.m.—National.  
 6.0—Royal Marines Band: Irene Baker (Soprano).  
 6.45—"Devon at Bellahouston:" Colin D. Ross and R. Roach.  
 7.0—The Second News.  
 7.20—Western Announcements.  
 7.30—Regional.  
 8.0—"The Summer Revelers:" Concert Party.  
 8.25-10.25—Regional.

## Welsh

10.15 a.m.—Welsh Service.  
 10.30-11.0—Regional.  
 11.0—For Schools in Wales.  
 11.25 a.m.—5.0 p.m.—Regional.  
 5.0—The Children's Hour.  
 6.0—Regional.  
 7.20—Welsh Announcements.  
 7.30—Welsh News.  
 7.45—Rhaglen . . . nid mor ysgafn.  
 8.15—Welsh Professional Golf Championship.  
 8.25—Regional.  
 9.10—Programme by new artists.  
 9.40—Welsh Individual Darts Championship.  
 10.0-12.0—Regional.

## N. Ireland

10.15 a.m.—5.0 p.m.—Regional.  
 5.0—The Children's Hour.  
 6.0—Regional.  
 7.20—N. Ireland News.  
 7.30—Regional.  
 8.0—Records.  
 8.10—"Junk:" George C. Nash.  
 8.25-12.0—Regional.

## Scottish

10.15 a.m.—2.0 p.m.—National.  
 2.0—Herring Fishing Bulletin.  
 2.5—National.  
 2.30—For Schools.  
 3.30-5.0—National.  
 5.0—The Children's Hour.  
 6.0—Regional.  
 7.20—Scottish Announcements.  
 7.30—Who's Here? Radio Visitors' Book.  
 7.50—Piping, by Alexander Thomson.  
 8.10—"From Father to Son—Blacksmiths in North-West:" Donald MacDougall.  
 9.10—News from Bellahouston.  
 9.25—Regional.  
 9.30—Evening Worship.  
 10.45-12.0—Regional.

## Berlin

Hours of Transmission in British Summer Time.  
 841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 6.0 a.m.  
 12.0 noon-2.0 p.m.—See Stuttgart.  
 2.0—News; Water Level.  
 2.15—Derksen Band.  
 3.15—Exchange; Markets; Records.  
 4.30—A Story.  
 4.50—Quintet in C (Schubert) by the Havemann Quartet and Klemm (Cello).  
 5.40—Talk: Bathing Beaches.  
 6.0—Records: Light Music.  
 7.0—News.  
 7.10—Hans Raue Band.  
 7.45—Evening Echoes.  
 8.0—Augmented Station Orchestra and Choir. Conductor: Weigel. Overture, "Preciosa" (Weber). Ballet, "Swan Lake" (Tchaikovsky). Andante for Cello and Orchestra (Klengel). Norwegian Artists' Carnival (Svendsen). Bauernliederwalzer for Choir and Orchestra (Pachernegg). Flugs umi (Schönherr).  
 9.0—See Deutschlandsender.  
 9.30—The Nutcracker Suite (Tchaikovsky).  
 10.0—News; Weather.  
 10.30—See Breslau.  
 12.0 m't.—3.0 a.m. (Thursday)—See Frankfurt.

## Beromünster

556 kc/s (539.6 m.); 100 kW. Relayed by Basie and Berne, 1,375 kc/s (218.2 m.).  
 6.15-6.35 a.m. (from Berne)—Gym.  
 12.0 noon—Zürich Radio Orchestra. Conductor: Bernhard; at 12.29 p.m.—Time; News.  
 4.30—For Women.  
 4.50—Orchestral Records.  
 5.0 (from Berne)—Orchestra.  
 5.25 (from Berne)—Music.  
 6.0—Weather; For Children.  
 6.30 till Close—From Basie.  
 6.30—Accordion Trio Records.  
 6.45—Dialect Talk.  
 7.0—Time; Announcements.  
 7.10—Records: Schubert Songs.  
 7.45—News.  
 7.55—Talk: Military Fitness.  
 8.15—Czech Music by Lisa Fuchs (Pfte.).  
 8.50—Romantic and Contemporary Songs by Hedwig Olop (Soprano) and the Radio Orchestra.

9.45—Talk: Suggestion.  
 10.15—Tourist Report.  
 10.25-10.30—News; Programmes.

## BRATISLAVA

1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 6.0 a.m.  
 6.0 p.m.—Hungarian Transmission. Talk; Emma Weiss (Pfte.).  
 Nocturne (Suchy). Slav Dance (Dvořák). Serenade (Schubert-Liszt). Wedding March (Mendelssohn); Sports Notes.  
 6.45—News in German.  
 7.0-10.15—See Prague.  
 10.15-11.0—News (Hungarian); Records.

## BRESLAU

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz and Görlitz, 1,231 kc/s (243.7 m.).  
 Transmits at intervals from 5.0 a.m.  
 12.0 noon-2.0 p.m.—See Stuttgart.  
 2.0-3.0—News; Exchange; Records.  
 3.30—For Children.  
 4.0—Orchestra; at 5.0—Books.  
 6.0—Talks; Tomorrow's Programmes.  
 7.0—News; Markets; Records.  
 7.30—Excerpts, "Schwarzer Peter" (Schultze). Silesian Philharmonic Orchestra. Members of the Breslau Opera, etc.  
 9.0—See Deutschlandsender.  
 9.30—Melody and Rhythm—Fierke Band, Küster and Kiermeier (Pfte.).  
 10.0-10.15—News.  
 10.30—Melody and Rhythm (contd.).  
 12.0 m't.—3.0 a.m. (Thursday)—See Munich.

## BRNO

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 6.0 a.m.  
 6.0 p.m.—German Transmission: For Children; Records; Medical Talk.  
 6.35—For Workers.  
 6.45—News in German.  
 7.0-7.25—See Prague.  
 7.25—Records.  
 7.35—Comedy (Gehri, trans. Eliplova).  
 8.30—Fantasia and Sonata in C minor for Two Pftes. (Mozart-Grieg) by Marie Dvorakova and Libuse Jezkova.  
 8.55-11.15—See Prague.

## BRUSSELS (No. 1)

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—Langlois Orchestra; at 1.0—News.  
 1.30—Records of Italian Folk Songs.  
 2.0-3.15—Art Notes; For Schools.  
 4.55—News.  
 5.0—The History of the String Quartet—Lecture-Recital by Closson, with Gramophone Illustrations: Three Pieces for String Quartet (Stravinsky). Excerpts from The First Quartet (Honegger). Movement from the Second Quartet (Milhaud).  
 6.0—Talk: Legends of the Meuse; Records.  
 6.30—Reading (Loti); Record.  
 6.50—A Visit to Namur.  
 7.0—Talks; Interview; Records.  
 7.30—News.  
 8.0—"The Tsarevitch" (Lehár). Conductor: Souris.  
 10.0—News.  
 10.10-11.0—Dance Records.

## BRUSSELS (No. 2)

932 kc/s (321.9 m.); 15 kW. Programme in Flemish.  
 6.30-9.0 a.m.—Records; Gym; News.  
 12.0 noon—Records.  
 12.31 p.m.—Radio Orchestra; at 1.0—News; Shipping.  
 1.30-2.0—Records of Marita Gründgens.  
 4.40—News; Talk.  
 5.0—Symphony in E flat (Haydn) by the Radio Orchestra, Conductor: Douliez.  
 5.30—For Children.  
 6.30—Records (Debussy; Fauré; Ravel).  
 6.45—Protestant Address.  
 7.0—Gillig (Bass-Baritone). Ueber Nacht (Wolf). Verschwiegene Liebe (Wolf). Das Dorf (Reger). Mein Schätzlein ist ein gar köstlich Ding (Reger). Songs (Brahms).  
 7.30—For Ex-Servicemen.  
 8.0—Soldiers' Evening—Military Willen mit Nini (De Boel and Willem De Meyer (Songs), Jan Steurs and De Neyer (Accordion Duo). Remes and Refala (Comedians).  
 10.0—News; Folk Music.  
 10.30-11.0—Dance Records.

## BUCHAREST

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.  
 6.15 p.m.—Salon Orchestra. Conductor: Bobesco; at 6.45—Talk.  
 7.35—Vasiliiu (Romanian Songs).  
 8.0—Talk.  
 8.15—Georges Cocea (Cello).  
 8.50—Cabaret on Records.  
 9.30—News; Sports.  
 9.45—Café Concert.  
 10.45—News (French, English).

## BUDAPEST

546 kc/s (549.5 m.); 120 kW. Transmits at intervals from 6.45 a.m.  
 12.5 p.m.—Hegedüs Cigány Band; at 12.30—News.  
 1.30—Records.  
 2.35—News.  
 4.15—For Schools.  
 5.30—Talk by Mme. Szirmay.  
 5.50—Paul Lorenzi (Songs).  
 6.0—Industrial Broadcast.  
 6.15—Station Orchestra.  
 7.30—Talk: Estonia.  
 8.0—Festival Concert from Székesfehérvár—Budapest Concert Orchestra. Conductor: Vaszy. Festival Overture (Erkel). Two Sketches (Bartók). Suite in F sharp minor (Dohnányi). Allegro moderato and Allegro vivace (Visky). Summer Night (Kodály). First Hungarian Rhapsody (Liszt).  
 10.15—Sárai Cigány Band.  
 11.0—News (English, French).  
 11.10—Recitations in French.  
 11.25—Weidinger Jazz Band.  
 12.5 a.m. (Thursday)—News.

## COLOGNE

658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 6.0 a.m.  
 12.0 noon-2.0 p.m.—See Stuttgart.  
 2.0—News; Music.  
 3.0—For Children.  
 3.30—Books; Industrial News.  
 4.0—Talk: Genealogy.  
 4.30—Grieg Records for the Composer's Ninety-Fifth Birthday Anniversary.  
 6.0—Topical Talks.  
 6.30—Finnish, Norwegian, and Swedish Folk-Songs by the München-Gladbach Madrigal Choir.  
 6.50—For Workers.  
 7.0—News.  
 7.10—Station Orchestra, Conductor: Eysoldt, Schneider (Bass-Baritone). Hunting Overture (Rust). Peasant Suite (Albouth). Ich zieh' in die Welt (Kneipp). Serenade (Heykens). In einer kleinen Winzerstube (Winkler). Für dich (Kötscher). Excerpt, "Monika" (Dostal). Einmal muss man leider von der Liebe scheiden (Stolz). Excerpt, "The Gipsy Baron" (Strauss). Zierliches Spiel (Bund). Husarenreieche (Krome); at 7.45-8.0—Political Press Review.  
 8.30—Eysoldt Dance Band.  
 9.0—See Deutschlandsender.  
 9.30—Mozart Music by Kunkel (Violin), Haass (Pfte.). Sonata in F. Variations in G. Sonata in E minor.  
 10.0—News; Records.  
 10.30—Band from Hamm.  
 12.0 m't.—3.0 a.m. (Thursday)—See Munich.

## DEUTSCHLANDSENDER

191 kc/s (1,571 m.); 60 kW. Transmits at intervals from 5.0 a.m.  
 12.0 noon—Danzig Police Band.  
 1.45 p.m.—News.  
 2.0—Jäger Band and Records.  
 3.0—Weather; Markets; Exchange.  
 3.15—Records: American Music.  
 3.45—Records of Gigli (Tenor).  
 4.0—Orchestra; at 5.0—Talk.  
 6.0—Arnold Krieger reads.  
 6.15—Andrea Wendling (Violin), Puchelt (Pfte.).  
 6.40—Fifty Years of German Cycling.  
 7.0—News.  
 7.10—Light Music.  
 8.0—Topical Talk.  
 8.15—Wind Band.  
 9.0—Youth Programme: Songs of the Nations—Choirs of the Japanese School and the Italian Balilla of Berlin, a Bulgarian Students' Choir and the Deutschlandsender and Berlin Radio Ensembles.  
 9.30—Concert (Recorded).  
 10.0—News; Echoes.  
 10.20—Report: The Cycle Tour of

Germany—Innsbruck to Friedrichshafen.  
 10.30-10.45—Sonata (Mozart), by Käthe Grandt (Violin) and Borack (Pfte).  
 11.0—Concert from Vienna.  
 12.0 m't.—2.0 a.m. (Thursday)—See Munich.

## FRANKFURT

1,195 kc/s (251 m.); 25 kW. Cassel, etc. See Sunday.  
 Transmits at intervals from 5.0 a.m.  
 12.0 noon—Military Band.  
 1.0 p.m.—Time; News.  
 1.15—See Stuttgart.  
 2.0—News; Cossack Choir Records.  
 3.0—Sound Pictures of the Week.  
 3.15-3.45—Al Roth and his Orchestra from New York.  
 4.0—Military Band; The Roving Microphone.  
 6.0—Talks; Records.  
 6.45—Talk: German Aviation.  
 7.0—Time; News.  
 7.10—Station Orchestras, Solo Voices and Instruments, Part I. Light Classical. Overture, "The Taming of the Shrew" (Goetz). Arias from "Martha" (Flotow), and "Mignon" (Thomas). Excerpt, "Peer Gynt" (Grieg). Violin Concerto in A (Sinding). Nordische Sennfahrt (Gade). Excerpts, "Tosca" (Puccini), and "Eugene Onegin" (Tchaikovsky). Part II. Light Music.  
 9.0—See Deutschlandsender.  
 9.30—"Variety—at Home!"—Records.  
 10.0—Time; News; Talk.  
 10.30—See Vienna.  
 12.0 m't.—3.0 a.m. (Thursday)—Concert on Records. Fantastic Overture (Besch). Overture, "Romeo and Juliet" (Tchaikovsky). Concert Overture (Strecker). Champagner-Ouverture (v. Baussnern). Heitere Ouverture (Sczuka). Excerpts from "Il Seraglio" (Mozart), and "Der Vampyr" (Marschner). Overture, "Die Feen" (Wagner). Excerpts, "The Mastersingers" (Wagner). Concerto in D minor (Vivaldi). Pfte. Concerto in D (Haydn). Fourth Symphony (Schubert).

## HAMBURG

904 kc/s (331.9 m.); 100 kW. Bremen, etc., See Sunday.  
 Transmits at intervals from 5.45 a.m.  
 12.0 noon—Band from Hanover.  
 1.0 p.m.—Weather; Topical.  
 1.15—See Stuttgart.  
 2.0—News.  
 2.15—Music.  
 3.0—Shipping; Markets; Records.  
 4.0—Band, Schrammel Quartet, Yodels, etc. Talks in the intervals.  
 6.0—Talk: June Anniversaries.  
 6.15—Contemporary Songs by Hauschild (Baritone).  
 6.45—Weather; Shipping.  
 7.0—News.  
 7.10—Opera Records.  
 7.30—"The Great Composers in Lighter Vein"—A Musical Capriccio from Bach to Cornelius. Choir and Orchestra, etc.  
 9.0—See Deutschlandsender.  
 9.30—Gregor (Organ).  
 10.0—News.  
 10.20—Talk: The German Derby.  
 10.30—See Vienna.  
 12.0 m't.—3.0 a.m. (Thursday)—See Munich.

## HILVERSUM (No. 1)

160 kc/s (1,875 m.); 10 kW until 8.40 p.m.; 150 kW from 8.40 p.m. Also on Jaarsveld, 722 kc/s (415.4 m.); 17 kW.  
 NCRV Programme.  
 7.40 a.m.—Bible Reading; Meditation; Records.  
 8.10—Records.  
 9.10—Greetings; Records.  
 10.10—Religious Address.  
 10.40—Records.  
 10.55—Caspers-Ten Hoor (Contralto) and Mlle Munninghoff (Pfte.).  
 11.40—Police Notes; Records.  
 12.40 p.m.—Gray (Organ).  
 1.40—Records.  
 1.55—Trios (Brahms, Turina) by the Beute-Zepparoni-Hemerik Trio. In the interval, Records.  
 3.10—Records.  
 3.25—Sacred Songs by Rovaart (Tenor); Records.  
 4.25—Greetings.  
 4.40—For Young People.  
 5.25—Records.  
 6.10—Navigation Lesson.

## WEDNESDAY (June 15)

6.40—Police Notes; Church News.  
6.55—For Farmers and Gardeners; Report.  
7.45—News; Records.  
8.10—"Ars et Labor" Mandoline Band. Conductor: Mme M. Taping. March, Hoch, Heidecksburg (Hewker). Selection, "La Traviata" (Verdi). Overture, "Orpheus in the Underworld" (Offenbach-v. d. Bogert). Vita mandolinistica (Kok). Overture, "Massalia" (Laisné). Overture in A (Wolki); at 8.40-9.10—Recitation.  
9.40—News; Talk for Amateur Photographers.  
10.0—Records; at 10.25—Gym.  
11.30-11.40—Bible Reading.

## HILVERSUM (No. 2)

995 kc/s (301.5 m.); 10 kW until 8.40 p.m.; 60 kW from 8.40 p.m.  
7.40-9.40 a.m.—VARA Programme.  
7.40—Records.  
9.10—Talk: Dietetics.  
9.40—VPRO Service.  
10.0 a.m.-6.10 p.m.—VARA Programme.  
10.0—VARA Orchestra; Esmeralda Septet; Talk; P. te Nuyt (Recitations).  
11.40—Records.  
12.25 p.m.—Ramblers Dance Band.  
12.55-1.25—Jong (Organ).  
1.40—Dressmaking; Records.  
2.40—For Children.  
5.10—Records.  
5.40—Ramblers Dance Band.  
6.10—RVU Talk.  
6.40-7.10—VARA Programme.  
6.40—Record.  
6.46—Choir. Conductor: Tiggers.  
7.10—VPRO Talk.  
7.45-11.40—VARA Programme.  
7.45—SOS Messages; News.  
7.55—Sylvia Orchestra. Conductor: Silbermann. v. Daalen (Songs).  
8.25—A Play.  
8.55—VARA Orchestra. Conductor: Höfler.  
9.40—News.  
9.45—"The Fantasia." Conductor: Walis.  
10.10—Drzewiecki (Pfte.).  
10.40—Jong (Organ). March (Tchaikovsky). Song without Words (Tchaikovsky). Selection, "Tales of Hoffmann" (Offenbach). Potpourri of Cowboy Songs. Musikanten sind da (Grothe).  
11.10-11.40—Records.

## KALUNDBORG

240 kc/s (1,250 m.); 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.).  
12.0 noon—Julian Orchestra.  
2.0 p.m.—Rydahl Ensemble.  
3.20—Programme from Dybbøl. Military Band Music. Address of Welcome. Community Song: Du skønne Land (Rung). Addresses by the Prime Minister, Hr. Ståuning and Hr. Brorsen. Community Song: Høje Nord (Glaesle). Addresses by Hr. Christmas Møller and the Minister of Education, Hr. Jørgensen. Community Song: Der er et yndigt Land (Kroyer).  
5.0—Radio Notes; Talk.  
5.25—Weather; Exchange; Markets.  
5.50—Benatzky Song Records.  
6.15—Discussion: The Danish Frontier.  
6.35—French Lessons.  
7.0—Time; News.  
7.30—Reunion Day Programme. Radio Orchestra and Male Voice Choir. Conductor: Grandhø. Svend Methling and Holger Reenberg (Recitations). Schiøtz (Songs), etc. Orchestra: Overture, "Little Christie" (Hartmann). Scenes, "Erik and Abel" (Oehlenschläger). Orchestra: Skanderborg Festival March (Hartmann). Danish Poems and Songs. Orchestra: Fantasia on South Jutland Songs. Recitation (Drachmann). Orchestra: Prelude, "The Mother" (Nielsen). Scenes, "The Mother" (Rode). Orchestra: March, "The Mother" (Nielsen). Talk: South Jutland. Choir and Reciter: Excerpts, "Denmark through Twenty-five Years" (Secdorff Pedersen). Orchestra: Fantasia on Danish Melodies.  
10.0—News; Weather.  
10.20—Pfte. Trio in F minor (Lange-Müller).  
10.55—Wivex Dance Band.  
11.45 p.m.-12.15 a.m. (Thursday)—See Stockholm.

## KÖNIGSBERG (Heilsberg)

1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.).  
Transmits at intervals from 5.0 a.m.  
12.0 noon-2.0 p.m.—See Stuttgart.  
2.0—News; Talk; Music.  
2.55—Exchange.  
3.0—Talk; For Women.  
3.40—Report: Hitler Youth as Farm Hands.  
4.5—Orchestra; at 4.50—Talk.  
5.40—Questionnaire.  
5.50—Hartung (Organ).  
6.15—Talks; Local News.  
7.0—News.  
7.10—Station Orchestra, Conductor: Schlenger, Elbe (Flute). Overture, "Rosamunde" (Schubert). Flute Concerto in D (Mozart). Hungarian Rhapsody (Liszt). Norwegian Dances (Grieg). Caucasian Sketches (Ippolitov - Ivanov). Ballet, "Faust" (Gounod). Egyptian Ballet Suite (Luigini). Ballet Suite (Poppy).  
9.0—See Deutschlandsender.  
9.30—Anecdotes about Poets, Actors, Musicians and Painters.  
10.0—News.  
10.20—Sports Talk.  
10.35—Station Orchestra, Conductor: Wilcken.  
12.0 m't.-3.0 a.m. (Thursday)—See Munich.

## LEIPZIG

785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.).  
Transmits at intervals from 5.50 a.m.  
12.0 noon—Military Band.  
1.0 p.m.—Time; News.  
1.15—See Stuttgart.  
2.0-4.0—News; Records; Talks.  
4.0—See Deutschlandsender; at 5.0-5.10—Markets.  
6.0—Talk: Naval Battles.  
6.20—The Fritzsche Quartet of Dresden. Serenade in F (Haydn). Quartet Movements (Dittersdorf, Beethoven, Schumann, Tchaikovsky, Brahms).  
6.50—Topical Talk; News.  
7.10—In Dance Rhythm through the World—Leipzig Symphony Orchestra, Station Choir, Fricke Band, etc.  
9.0—See Deutschlandsender.  
9.30—Mlynarczyk (Violin) and Schertel ("Cello). Norwegian Dance (Grieg). Poetische Tonbilder (Kirchner). Allegretto grazioso (Dvořák), Tanzstück (Polack). Minuet and March (Hahn). Bagatelle (Beethoven). Intermezzo (Graener). Dorfanz (Schönemann). Serenade (Schmalstich). Finale from Trio in C (Mozart).  
10.0—News; Poems.  
10.40—Concert from Vienna.  
12.0 m't.-3.0 a.m. (Thursday)—See Munich.

## LILLE (Radio PTT Nord)

1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.30 a.m.  
5.45 p.m.—Orchestra, Conductor: Le Meitour (Violin). Excerpt, "The Merry Widow" (Lehár). Madrigal (Simonetti). Excerpts, "Peer Gynt" (Grieg). Violin: Tambourin chinois (Kreisler). The Mill in the Black Forest (Eilenberg). Excerpt, "Quo Vadis" (Nouguès). La vie joyeuse (Jutner).  
6.30—Educational.  
7.0—For Gardeners.  
7.10—Talk in English.  
7.25—Records.  
7.30—Radio Journal.  
8.0—To be announced.  
8.30—"William Tell" (Rossini) from Rouen. In the interval, Talk. After the Opera, News.

## LYONS (PTT)

648 kc/s (463 m.); 100 kW. Transmits at intervals from 6.30 a.m.  
8.30 p.m.—"L'otage"—Play (Paul Claudel) by the Station Troup. After the Play—News (French, German).

## MONTE CENERI

1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 12.0 noon.  
7.50 p.m.—News; Records.  
8.30—Talk: Saints of the Ticino.  
8.45—Orchestra, Conductor: Casella.  
9.45-10.15—French Music by Violette Vulliamy (Pfte.).

## MOSCOW

172 kc/s (1,744 m.); 500 kW.  
12.30 p.m.—Talks in Italian.  
5.30—Music and Talk.

9.30—News; Kremlin Chimes.  
10.5—Talks (French, German).  
12.0 m't.—Talks in Spanish.

## MUNICH

740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.).  
Transmits at intervals from 6.0 a.m.  
12.0 noon—Military Band.  
1.0 p.m.—Time; News; Records.  
2.0—News; Exchange.  
2.15—Orchestra from Stuttgart.  
3.0-3.30—Records: Light Music.  
4.0—See Deutschlandsender.  
4.30—Records of Gigli (Tenor).  
4.40—Talk for Women.  
5.0—Time; Weather; Markets.  
5.10—Schneider Band, etc.  
6.45—Topical Talk; News.  
7.0—See Deutschlandsender.  
8.0—Sudetan German Composers—Franzensbad Male Voice Choir and Municipal Orchestra from Selb. Conductor: Thamm. Overture (Geipl). Songs (Martin). Movements from the Egerland Suite (Sandner). Songs (Roscher, Czerny). Overture, Wallenstein (Dienel). "Kirwa is I"—Egerland Song Cycle (Sabathil). Hoch Egerland (Wörl).  
9.0—See Deutschlandsender.  
9.30—"Die Weise von Liebe und Tod" des Cornets Christoph Rilke" (Rainer Maria Rilke).  
10.0—Time; News.  
10.20—See Deutschlandsender.  
10.30—See Vienna.  
12.0 m't.-3.0 a.m. (Thursday)—Dance Band, etc.

## NAPLES GROUP

Naples (No. 1), 1,104 kc/s (271.7 m.); 10 kW. Florence (No. 1), etc. See Sunday.  
Transmits at intervals from 7.45 a.m.  
7.0 p.m.—Music; Topical Talk.  
7.20—See Rome Group.  
7.40—Orpheon Choir of Ferrara. Conductor: Dall'Argine.  
8.0—Time; News.  
8.30—Operetta Excerpts. Talk in the intervals.  
10.0 (approx.)—Dance Music.  
11.0—News.  
11.15-11.55—Dance Music.

## OSLO

260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday.  
Transmits at intervals from 10.30 a.m.  
6.45 p.m.—News; For Farmers.  
7.25—Reading.  
7.30—Sverre Jordan (Pfte.). Sonata in C (Mozart). Nocturne in B flat (Chopin). Berceuse (Jordan). Kveldestemming (Jordan). Tone Pictures (Grieg).  
8.0—Reading.  
8.25—Grieg Anniversary Concert. Station Orchestra, Conductor: Kramm, Elisabeth Munthe-Kaas (Soprano), Alme (Pfte.). Holberg Suite. Songs. Pfte. Concerto in A minor.  
9.40—News; Topical; Sports.  
10.30—Norwegian Folk Dances by the Bergen Radio Ensemble. Bjørndal (Hardanger Fiddle).  
11.0—Report.  
11.20—Records: Scandinavian Music.  
11.45 p.m.-12.15 a.m. (Thursday)—See Stockholm.

## PALERMO

565 kc/s (531 m.); 3 kW. Transmits at intervals from 7.45 a.m.  
8.30 p.m.—Light Music.  
9.0—"Puntare sul cinque"—Three-Act Play (Salsa).  
10.30—Light Music and Dance Music.  
11.0-11.55—See Rome Group.

## PARIS (Eiffel Tower)

1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 6.30 a.m.  
4.0 p.m.—Paris Instrumental Quintet, Hubeau (Pfte.) and Chastenet (Songs). Suite (d'Indy). Pfte.: Scherzo in C sharp (Chopin). Songs (Saint-Saëns, Gaubert). Pfte. Pieces (Debussy): (a) Danseuses de Delphes, (b) Toccata.  
5.0—Concert from Alpes-Grenoble (PTT).  
5.45—See Lille.  
6.30—For Farmers; Talk.  
7.0—Hélène Pignari (Pfte.); Lovano (Songs).  
7.30—News; Time.  
8.0—Doyen (Pfte.), Yvonne Pascal (Viola). Märchenzählungen (Schumann). Variations on the name "Abegg" (Schumann).  
8.30—Three One-Act Plays (arr. Paul Castan), with Berthe d'Yd, Simone Bonelli, Annie Hemery, Paul Castan, d'Yd, Rouyer, Prelier, Férat, etc. (a) "Visite" (Berger); (b) "La Salvatrice" (Germain); (c) "Le meilleur Alcide de la roi"—after Lope de Vega (Léry-de Téraumont).  
10.30—Records.  
11.0-11.15—News.

## PARIS (Poste Parisien)

959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m.  
5.0 p.m.—Records (Lalo, Debussy).  
6.0—News; Exchange.  
6.10—Jewish Programme.  
6.20—Records: Death and the Maiden (Schubert).  
6.58—Racing; Record; Sports.  
7.10—Amusement Guide; Records.  
8.0—Topical Review; Talk.  
8.13—Miraille and Jean Nohain.  
8.20—"Montson Magazine" (Diamant-Berger).  
8.50—"La bonne histoire."  
9.10—Max Regnier and Company.  
9.55—News; Concert.  
10.30—Cabaret.  
11.0—News.

## PARIS (PTT)

695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.30 a.m.  
2.30 p.m.—Concert for the Blind; In the interval, "La pluie et le beau temps"—Sketch (Gozlan).  
4.0—Reading (Mas); Talks.  
4.30—Old French Songs by Jeanne Andral.  
4.45—Record; Science Review.  
5.0—Dominique Jeanes (Pfte.).  
5.15—Colonial Notes.  
5.30—Talk: Travel.  
5.45—Medical Talk.  
6.0—Educational.  
6.30—Hazard (Songs).  
6.45—Marcelle Heudin (Pfte.).  
7.0—Radio Journal; News.  
8.0-10.5—See Warsaw.  
10.5—"Au Café du Commerce"—Sketch (Schwaebel).  
10.30—Records.  
10.45—U.S.A. Bulletin.  
11.0—News.

## PARIS (Radio-Paris)

182 kc/s (1,648 m.); 80 kW.  
6.28 a.m.—Programmes; Records.  
6.40—News; Gym; Records.  
7.15—News; Gym; Records.  
8.0—News; Programmes.  
8.35-8.45—Records.  
9.45—Notes; For Women.  
10.5—Talks; Records.  
10.45—Reading (Schikelé); Records.  
11.45—Exchange; Markets; Talk.  
12.15 p.m.—de Souza Orchestra.  
1.0—Time; News; Exchange.  
1.30—Marie Simon (Songs).  
1.45—de Souza Orchestra.  
2.0—Programme Notes.  
2.5—Music Talk by Wanda Landowska.  
2.15—Talk; Exchange; Markets.  
2.45—Yvonne Simonnot ("Cello).  
3.0—Mme Suzanne Brindejont-Offenbach (Songs).  
3.15—Science Talk.  
3.30—Talk; Exchange; Markets.  
4.0—Jean Agogue (Songs).  
4.15—Claire Chalande (Songs).  
4.30—Book Review; Markets.  
5.0—Orchestra, Conductor: Cantrelle. Overture, "Phèdre" (Massenet). Berceuse de Jocelyn (Godard). Waltz, "La fête chez Thérèse" (Hahn). Suite, "Philémon et Baucis" (Gounod). Hungarian Serenade (de Joncières). Waltz and Mazurka, "Coppélia" (Delibes). Ballet Music, "Isoline" (Messenger). Arab March (Ganne).  
6.0—Educational.  
6.30—Lecture-Recital by René Dumesnil: History of French Opera—Gaubert, Büsser and Wolff.  
7.28—Programmes; Racing.  
7.32—Talk: Light.  
7.45—Talk: French Poetry from Villon to Chénier.  
7.59—Time; Home Affairs.  
8.8—Foreign Affairs.  
8.15—For Young People.  
8.30—Ingeborg Steffensen (Songs).  
9.0—"Poets' Songs and Singers' Poems"—Variety (arr. Bonnaud). André Brunot, Louis Lynel, Pierre Varenne, Adrienne Gallon, Marie Richard and Yvonne Guillet; at 9.30—News; Review.  
10.30—Records: Liebeslieder (Brahms).  
10.45—Time; News; Programmes.

7.28—Programmes; Racing.  
7.32—Talk: Light.  
7.45—Talk: French Poetry from Villon to Chénier.  
7.59—Time; Home Affairs.  
8.8—Foreign Affairs.  
8.15—For Young People.  
8.30—Ingeborg Steffensen (Songs).  
9.0—"Poets' Songs and Singers' Poems"—Variety (arr. Bonnaud). André Brunot, Louis Lynel, Pierre Varenne, Adrienne Gallon, Marie Richard and Yvonne Guillet; at 9.30—News; Review.  
10.30—Records: Liebeslieder (Brahms).  
10.45—Time; News; Programmes.

## RENNES-BRETAGNE

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—Concert. Conductor: Hendrick. Overture, "Le pré aux clercs" (Hérold). Un soir d'été (Collin). Festival at Aranjuez (Demersseman). Suite, En forêt (Langlais).  
8.0—News; Records.  
8.10—For Gardeners.  
8.30—See Strasbourg. After the Concert, News.

## ROME GROUP

Rome (No. 1), 713 kc/s (420.8 m.); 120 kW. Bari (No. 1), etc. See Sunday.  
Transmits at intervals from 7.45 a.m.  
5.0 p.m.—News.  
5.15—Zagonara (Tenor) and Conti (Bass). Arias, "I Pagliacci" (Nebuchadnezzar) (Verdi), "Faust" (Gounod), "Don Carlos" (Verdi) and "I Masnadieri" (Verdi).  
5.55-6.5—For Motorists.  
7.0—Talk in German.  
7.20—English Lesson.  
7.40—Funaro Quartet.  
8.0—Time; News; Music.  
8.30 (Naples (No. 2) only)—Light Music.

10.15—"Melodrama de Sancto Wenceslao" (Zelenka), from the Wallenstein Gardens.  
11.0-11.15—News in French.

## RADIO EIREANN

565 kc/s (531 m.); 100 kW. Dublin, etc. See Sunday.  
1.30 p.m.—Records.  
2.30-3.0—For Schools.  
5.30—Ladies' Vocal Trio.  
6.0—Talk in Irish by Muir O'Dubhghaill: Residences of the Kings of Ireland—Kincora and Limerick.  
6.35—Irish News Feature.  
6.45—News.  
7.0—Pfte. Concerto in C (Beethoven) by Estelle Wine and the Irish Radio Orchestra.  
8.0—On the Road No. 2—Songs and Ballads.  
8.20—Illustrated Talk: Claud Biggs (Pfte.).  
8.50—James Millsopp and his Harmonica Rhythm Aces.  
9.30—Variety.  
10.30—News; National Anthem.

## RADIO-NORMANDIE

1,411 kc/s (212.6 m.); 15 kW.  
7.10 a.m.—Call; Review; News.  
7.45—Physical Exercises.  
8.0—Music in the Morning.  
8.15—Time; Prosperity Programme—Carcers for Girls.  
8.30—Tom and Benji.  
8.45—Tunes you might have heard.  
9.0—Time; Organ Medley.  
9.15—With the Immortals.  
9.30—Favourite Melodies.  
9.45—Popular Music.  
10.0—Time; Tune Time.  
10.15—Request Music.  
10.30—Light Music.  
11.0—Time; Popular Music.  
11.15—Something for Everybody.  
11.30—Classical Music. Adagio (Boccherini). Concert Etude (Liszt). Sonata in B minor (Handel). Minuet (Haydn). Waltz in A flat (Chopin).  
12.0 noon—Concert.  
12.30 p.m.—News.  
12.40—Concert.  
2.0—The Musical Mirror.  
2.15—Arthur Young; Wilfrid Thomas.  
2.30—The Songs we know them by.  
2.45—Light Orchestral.  
3.15—Gracie Fields in New Songs and Old Favourites.  
3.30—Morton Downey (Songs).  
3.45—George Formby and Beryl, with John Firman's Orchestra.  
4.0—Pleasant Quarter Hour.  
4.15—Radio-Normandie News; Dance Music.  
4.30—Personalities.  
4.45—Instrumental Music.  
5.0—Time; Songs Old and New.  
5.15—Bohemian Holiday.  
5.30—Request Music.  
6.0—Children's Corner.  
6.45—Talk; News; Racing Results.  
7.0—Chansonnettes.  
7.30—Journal Parlé; News.  
7.45—Records of Jo Bouillon and his Orchestra.  
8.0—Variety Items.  
8.20—Revue with Roméo Carlès and Pierre Ferrary.  
9.0—Variety Items.  
11.0—Café Concert.  
12.0 m't.—Melody at Midnight.  
12.30-1.0 a.m. (Thursday)—Time; Dance Music.

## RENNES-BRETAGNE

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—Concert. Conductor: Hendrick. Overture, "Le pré aux clercs" (Hérold). Un soir d'été (Collin). Festival at Aranjuez (Demersseman). Suite, En forêt (Langlais).  
8.0—News; Records.  
8.10—For Gardeners.  
8.30—See Strasbourg. After the Concert, News.

## ROME GROUP

Rome (No. 1), 713 kc/s (420.8 m.); 120 kW. Bari (No. 1), etc. See Sunday.  
Transmits at intervals from 7.45 a.m.  
5.0 p.m.—News.  
5.15—Zagonara (Tenor) and Conti (Bass). Arias, "I Pagliacci" (Nebuchadnezzar) (Verdi), "Faust" (Gounod), "Don Carlos" (Verdi) and "I Masnadieri" (Verdi).  
5.55-6.5—For Motorists.  
7.0—Talk in German.  
7.20—English Lesson.  
7.40—Funaro Quartet.  
8.0—Time; News; Music.  
8.30 (Naples (No. 2) only)—Light Music.

9.0—Song Potpourri—Cetra Orchestra. 9.50—Talk. 10.0—Rodolfo Caporali (Pfte.). 10.30 (approx.)—Dance Music. 11.0—News. 11.15-11.55—Dance Music.

SAARBRÜCKEN

1,249 kc/s (240.2 m.); 17 kW. Relayed by Kaiserslautern, 1,429 kc/s (209.9 m.). Transmits at intervals from 6.0 a.m. 12.0 noon—See Stuttgart. 2.0 p.m.—News. 2.15—See Berlin. 3.0-3.15—For Gardeners. 3.30—Old Chamber Music. 4.0—See Deutschlandsender; at 5.0-5.10—Books. 6.0—“Fahrt ins Narrenland”—Humour and Music. 7.0—Time; News. 7.10—Koester and Maier (Pftes.). 7.30—Topical Talk. 8.0—Mozart Concert. Station Orchestra. Flute Concerto in G. Pfte. Concerto in C minor. 9.0—See Deutschlandsender. 9.30—Records: Light Music. 10.0—Time; News; Music. 10.30—See Vienna. 12.0 m't.-3.0 a.m. (Thursday)—See Munich.

SOTTENS

677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401. kc/s (748 m.). 12.29-1.45 p.m.—News; Records. 5.0-6.0—See Beromünster. 6.0-6.50—For Young People. 6.55—Talk: Italian Art—Siena. 7.15—Micro-Magazine. 7.50—News. 8.0—Bob Engel Orchestra. 8.30—Comedy. 9.15—“The Seasons”—Songs and Poems. Nuit de neige (Maupas-sant). Soir d'hiver (René Baton). Les belles jacinthes (Charas-son). Maid (Fauré). Soir de printemps (Samain). Printemps (Auric). Eté (Kocchlin). L'au-tomme (Duchesse de Rohan). Crépuscule d'automne (Aubert). Automnale (de Régnier). Chrys-anthèmes (Ropartz). 9.45—Light Orchestra. 10.15-11.0—Dance Music.

STOCKHOLM

704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday. Transmits at intervals from 7.20 a.m. 6.45 p.m.—English Lesson. 7.0—News; Weather; Topical. 7.30—Italy in Music—Records. 8.0—King Gustaf V—An Illustrated Chronicle (Nils Bohman). 9.0—Royal Court Orchestra from the Rikssal. Conductor: Gre-villius. 10.0—News; Weather. 10.15—Radio Dance Band. 11.15—Björling Vocal Quartet. Scottish War Song. Suomi's Song (Pacius). Brudefaerden in Hardanger (Kjerulf). Old-French Drinking Song. Italian Folk Song (arr. Raff). Song (Schu-mann). Hungarian Lullaby. Negro Spiritual. Keep in the middle of the road (arr. Bartho-mew). Swedish Folk Song, Kristallen den fina. 11.45 p.m.-12.15 a.m. (Thursday)—King Gustaf V's Eightieth Birthday Celebrations—Speech by the Crown Prince from the Banquet at the Palace.

STRASBOURG

859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m. 5.15 p.m.—Orchestra, Conductor: Bour. Slav Rhapsody (Friede-mann). Dorfschwalben aus öster-reich (Strauss). Suite, Trianon (Lachaume). Two Hungarian Dances (Brahms). Selection, “Roses of Florida” (Fall). 6.0—Economic and Social Notes. 6.30—Lecture-Recital by Pierre Eck: Bach's Preludes and Chorals. 7.0—Radio Journal. 7.30—See Rennes-Bretagne. 8.0—News (German, French). 8.30 (also Rennes-Bretagne and Nice-Côte d'Azur)—Ballet Music. National Orchestra, Conductor: Clergue. Suite, “La Source” (Delibes). Selection, “La fête Thérèse” (Hahn). Selection, “Les enchantements d'Alcine” (Auric). Suite, “The Loves of the Three Oranges” (Prokofiev). 10.30—News (French, German).

STUTT GART

574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.45 a.m. 12.0 noon—Orchestra, Tenor. 1.0 p.m.—Time; News. 1.15—Station Orchestra and the Radio Love Birds. 2.0-3.0—Mannheim Orchestra. 4.0—Orchestra and Dance Band. 6.0—Dance Records. 6.30—Topical Talks. 7.0—News; Echoes of the Reich Theatre Festival Week. 7.15—Talk: German Aviation. 7.45—Concert from Frankfurt. 9.0—See Deutschlandsender. 9.30—Records: Light Music. 10.0—Time; News. 10.30—Portuguese Music. 11.0—Concert from Vienna. 12.0 m't.-3.0 a.m. (Thursday)—See Frankfurt.

TOULOUSE (Radio-Toulouse)

913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.0 a.m. 6.55 p.m.—News; Sports. 7.15—Marches and Soldier Songs. 7.45—Bal Champêtre; News. 8.10—Talk. 8.20—Revue with Pierre Ferrari and Roméo Carlès. 8.55—Talk. 9.0—Fred Adison, etc. 9.30—Operetta Songs. “Ceux de la légion” (Scott). “Les Brigands” (Offenbach). Song (Lehár). Song, “Bitter Sweet” (Coward). 10.0—News; Film Music. 10.35—Chansonnettes. 10.45—Cuban Music. 11.0—Refrains; Light Music. 11.45—Dance Music. 12.0 m't.—News.

TURIN GROUP

Turin (No. 1), 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday. Transmits at intervals from 7.45 a.m. 5.0 p.m.—News. 5.15—Tommaso Alati (Pfte.). Mo-mento elegiaco (Bossi). Corale e strofe variate (Farina). Tramoto en Val Cordevole (Paribeni). Children's Suite (Alati). 5.55-6.5—For Motorists.

WEDNESDAY (June 15)

7.19 (Rome (No. 2) only)—News in English. 7.20-8.30—See Rome Group. 8.30—Records: Light Music; at 8.36 (Milan (No. 1), Rome (No. 2) and Bolzano)—News and Italian Lesson in German. 9.0—Musical Sketches—Orchestra. 9.20—See Warsaw. 10.5—Talk. 10.15—Light and Dance Music. 11.0—News. 11.15-11.55—Dance Music.

4.0—See Deutschlandsender; at 5.0—A Story. 6.0—Book Review. 6.20—German Song Records. 6.30—Topical Talks. 7.0—News. 7.10—Faltl Quartet. 8.0—“Love, Kisses, and Marriage”—a June Sequence. 9.0—See Deutschlandsender. 9.30—String Quartet in G (Beet-hoven), by the Ast Quartet. 10.0—News. 10.30—Station Orchestra, Conduc-tor: Sandauer, the Vienna Song Society, Seidl (Songs), Gerda Ubert (Comedienne), Hotz-Hen-ninger (Songs to the Guitar), etc. 12.0 m't.-3.0 a.m. (Thursday)—See Munich.



Mme. Witowska-Kaminska, who gives a recital of Polish songs at Warsaw (7 p.m.)

WARSAW

224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday. Transmits at intervals from 6.15 a.m. 4.0 p.m.—Station Orchestra. Conductor: Knysiak. 4.45—Talk. 5.0—Dance Music; at 5.30—Pro-gramme Notes. 6.0 (from Katowice)—Talk. 6.10—Trombini-Kazuro (Pfte.). Minuets (Bach-Petri). Pieces (Schumann): (a) Impromptu in G, (b) Intermezzo. Waltzes (Brahms). Cantique d'amour (Liszt). Eighth Rhapsody (Liszt). 6.45—Reading (Reymont). 7.0—Polish Songs by Mme. Witowska-Kaminska. 7.20—Topical Talk. 7.30—Records: Polish Dances. 7.50—For Farmers. 8.0 (from Cracow)—Music Festi-val from Wawel Castle—Orches-tra, Choir, etc. Conductor: Fitelberg. Part I. Symphony in B minor (Paderewski). 9.0—News; Topical Talk. 9.20—Music Festival. Part II. Cracow Folk Songs and Dances (arr. Palestre). 10.5—Sports. 10.15—“The Microphone among the Stars”—Records. 11.0-11.15—News; Topical Talk in French.

VIENNA

592 kc/s (506.8 m.); 100 kW. Graz, etc., See Sunday. Transmits at intervals from 6.0 a.m. 12.0 noon-2.0 p.m.—See Stutt-gart. 2.0—News; Records. 3.0-3.10 (approx.)—News. 3.30—Rosner (Violin), and Cerné (Pfte.). Sonata (Handel), Spanish Suite (Nin). Im Vorübergehen (Rosner). Perpetuum mobile (Novaček).

National

For Time Signals, see Monday. 10.15 a.m. (D)—Service. 10.30 (D)—Weather Forecast. 10.45 (D)—At Home Today. 11.5 (D)—Records. 11.25 (D)—For Schools. 11.45 (D)—BBC N. Ireland Orches-tra. 12.30 p.m. (D)—“At the Black Dog”. 1.0 (D)—Records. 1.30 (D)—Claude Pollard (Pfte.). 2.0 (D)—For Schools. 2.0 (D)—Off Duty: R. J. Martin. 3.15 (D)—Bournemouth Municipal Orchestra: Morfydd Arvon Davies (Pfte.). 4.45 (D)—Records. 5.0—The Bronkhurst Trio. 5.20—Medvedeff's Balalaika Orches-tra. 6.0—The First News. 6.20—“The Introduction of Trousers into the British Army.” Robert Segar. 6.40—Reginald Foot (BBC Theatre Organ). 7.0—Royal Dragoons Band. 7.30—“The Skipper's Birthday,” by F. Morton Howard, with Dick Francis, Miriam Ferris, Wynne Ajello, John Rorke, Alfie Dean, Will Collinson, Tom Brandon, Fred Douglas. 8.15—“Transport and the State,” discussion. 9.0—The Third News. 9.20—Cads College, with The Western Brothers, Davy Burnaby, Paddy Browne, Archie Glyn, Fred Morris, Tom Kinniburgh, Cecil Johnson, Ethel Revnell and Grace West. 10.0—Mid-Week Service. 10.20—Chamber Music: Spencer Dyke String Quartet. 11.15—Joe Loss's Band. 11.30-12.0—Dance records.

Regional

2.40—Royal Marines Band: Elsie Griffin (Soprano). 3.45—Waltz records. 4.5—Making the most of your looks: Mary Embrey. 4.20—Victor Silvester's Ballroom Orchestra. 5.0—The Children's Hour. 6.0—BBC Scottish Orchestra. 6.40—From the London Theatre. 7.0—The Second News. 7.30—Early German Sacred Music: Yves Tinayre (Tenor). 8.0—The Trout Fisherman at Work. 8.15—Freddy Gardner's Band. 8.45—Dance Caçaret. 9.20—BBC Orchestra (Section C) conducted by Constant Lam-bert: Ballet Suite, Céphale et Procris (Grétry); Pavane pour une Infante défunte (Ravel); Slavonic Dance, Habanera, Polish Festival (Chabrier). 10.0—News Summary. 10.25—Joe Loss and his Band. 11.30—Records. 11.50-12.0—Late News Summary.

Midland

10.15-11.30 a.m.—Regional. 11.30—Horace Allen (Tenor); Eric Briers (Violin). 12.0-5.0 p.m.—Regional. 5.0—The Children's Hour. 6.0—Wigston's Temperance Band: James Doherty (Baritone). 6.40—Regional. 7.20—Midland Announcements. 7.30—BBC Midland Singers: Mar-garet Ablethorpe (Pfte.). 8.0—Regional. 8.45—Variety. 9.20-12.0—Regional.

Northern

10.15-11.30 a.m.—Regional. 11.30—Ballad Concert. 12.0-5.0 p.m.—Regional. 5.0—The Children's Hour. 6.0—Marsden M.I. Silver Band: Kenneth Tudor (Baritone). 6.40—Regional. 7.20—For Northern Farmers. 7.30—“Censors in Bumbleton.” 8.15—Regional. 9.20—BBC Northern Orchestra. 10.0-12.0—Regional.

Western

10.45 a.m.-5.0 p.m.—National. 5.0—The Children's Hour.

Welsh

10.15 a.m.-3.0 p.m.—Regional. 3.0—For Schools in Wales. 3.25-5.0—Regional. 5.0—The Children's Hour. 6.0—BBC Welsh Orchestra: Eiluned Davies (Pfte.). 6.40—Regional. 7.20—Welsh Announcements. 7.30—Welsh News. 7.45—Ronald Hill (Tenor). 8.0—“The Rarer Birds of Wales.” J. Hughes-Parry and George King. 8.15—Regional. 8.45—“Gwiber Emlyn.” 9.5—Records. 9.15—Welsh Professional Golf Championship. 9.30—David Lloyd (Tenor); Robert Davies (Baritone). 10.0-12.0—Regional.

N. Ireland

10.15 a.m.-5.0 p.m.—Regional. 5.0—The Children's Hour. 6.0—Regional. 7.20—N. Ireland News. 7.30—Chamber Music: Harry Dyson (Flute); John Craen (Oboe); Frederick Stone (Pfte.). 8.0—Regional. 8.45—Portadown Male Voice Choir. 9.0—Country Variety from Bally-money, County Antrim. 9.20—BBC N. Ireland Orchestra: Symphony No. 1 (Kalinnikov). 10.0-12.0—Regional.

Scottish

10.15 a.m.-2.0 p.m.—National. 2.0—Herring Fishing Bulletin. 2.5—For Schools. 3.30—Mid-Week Service. 3.58-5.0—National. 5.0—The Children's Hour. 6.0—BBC Scottish Orchestra. 6.30—For Scottish Farmers. 6.40—Regional. 7.20—Scottish Announcements. 8.0—Regional. 8.45—Bostock and Wombwell's: the romance of a great show. 9.30—Gaelic songs. 10.0-12.0—Regional.

June 16 THURSDAY

Hours of Transmission in British Summer Time.

BERLIN

841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 6.0 a.m. 12.0 noon-2.0 p.m.—See Frank-furt. 2.0—News; Water Level. 2.15—Raué Band. 3.15—Exchange; Markets; Re-cords. 4.30—Arthur Berger tells of his Meeting with Carl Hagenbeck. 4.50—Kurt Schubert (Pfte.). Three Sonatas (Scarlatti). Sonata in C (Haydn). Fantasia in D minor (Mozart). Rondo in D (Mozart). 5.10—Childhood Memories in Verse and Prose (Kölwel). 5.30—Reports from the Kurmark. 6.0—Orchestra. Conductor: Kähler. 7.0—News; Records. 7.45—Evening Echoes. 8.0—See Vienna. 10.0—News; Sports. 10.30 p.m.-3.0 a.m. (Friday)—See Stuttgart.

BEROMÜNSTER

556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.). 6.15-6.35 a.m. (from Basle)—Gym. 12.0 noon—Czech Opera Records. 12.29 p.m.—Time; News; Ex-change. 12.40-1.45 (from Berne)—Records. 4.30—For Invalids. 5.0-6.0—See Sottens. 6.0—For Women. 6.30—Talk: Problems of Swiss Abroad. 7.0—Time; Road Report; Records. 7.15—Talk: Fridtjof Nansen. 7.45—News; For Schools. 8.0—Do you know? 8.10—“Heimkehr”—Play (Vögtlin). 8.50—Corpus Christi Concert. 10.0—Historical Calendar; Re-cords. 10.25-10.30—Announcements.

BORDEAUX-LAFAYETTE

1,077 kc/s (278.6 m.); 60 kW. Transmits at intervals from 6.30 a.m. 8.30 p.m.—“Preparing a Variety Entertainment”—Programme presented by M. de Maltes, with the Station Orchestra. Conductor: Gayral. After the Programme, News.

BRATISLAVA

1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 6.30 a.m. 6.0 p.m.—Hungarian Transmis-sion: Talk; Revue on Records. 6.50—News (German). 7.0-9.5—See Prague. 9.5—Talk from Kosice. 9.15-10.20—See Prague. 10.20-11.0—News (Hungarian); Records.

BRESLAU

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz and Gör-litz, 1,231 kc/s (243.7 m.). Transmits at intervals from 5.0 a.m. 1.0 p.m.—Time; News. 1.15—Fierke Quintet. 2.0—News; Exchange. 2.15-3.0—See Berlin. 4.0-6.0—See Deutschlandsender; at 5.0-5.10—Talk. 6.0—Book Review; Song Records. 6.55—Tomorrow's Programmes. 7.0—News; Markets. 7.10 (from Gleiwitz)—Topical Re-port. 7.25 (from Gleiwitz)—“German Humorists”—Recitations and Records. 8.10—Dances—Station Orchestra. Conductor: Prade. Ballet Suite, “The Nutcracker” (Tchaikov-sky). Excerpts, “Le bourgeois gentilhomme” (Strauss). Ballet Suite (Reger). Ballet Suite, “The Fire Bird” (Stravinsky). 10.0—News. 10.15—King Gustaf's Eightieth Birthday—Report on the Cele-brations in Stockholm (Recorded). 10.30—See Stuttgart. 12.0 m't.-3.0 a.m. (Friday)—See Königsberg.

THURSDAY (June 16)

**BRNO**

922 kc/s (325.4 m.); 32 kW.  
Transmits at intervals from 6.30 a.m.  
5.35 p.m.—German Transmission;  
Talk; "Die Braut von Messina"  
(Schiller).  
6.50—News (German).  
7.0-9.5—See Prague.  
9.5—"Summer"—Reading.  
9.15—Velké-Mezirici—Descriptive  
Sequence.  
10.0-11.0—See Prague.

**BRUSSELS (No. 1)**

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; a Musette  
Ensemble; at 1.0—News.  
1.30—Operetta Records.  
2.0-2.3—Art Notes.  
4.55—News.  
5.0—Salon Orchestra.  
5.30—For Children.  
6.0—Review of the Arts.  
6.15—Light Orchestral. Conductor:  
Souris. Overture, "Martha"  
(Flotow). Selection, "The Count  
of Luxembourg" (Lehár). March,  
The Cadets (Sousa). Tales from  
the Vienna Woods (Strauss).  
Dance of the Hours, "La Gio-  
conda" (Ponchielli).  
7.0—For Workers; Records.  
7.30—News.  
8.0—Cabaret — Beryll and the  
Grillon Artists.  
8.40—Report from Mouscron.  
8.45—Talk: Workers' Holidays.  
9.0—English Music—I.N.R. Sym-  
phony Orchestra. Conductor:  
Franz André, Norbert Wethmar  
(Violin). Summer Night on the  
River (Delius). Violin Concerto  
(Haydn Wood). Ballet Suite,  
"Pomona" (Constant Lambert).  
10.0-11.0—News; Records.

**BRUSSELS (No. 2)**

932 kc/s (321.9 m.); 15 kW.  
Programme in Flemish.  
6.30-9.5 a.m.—Records; Gym;  
News.  
12.0 noon—Records.  
12.31 p.m.—Radio Orchestra; Re-  
cords; at 1.0—News; Shipping.  
1.30-2.0—Records.  
4.55—News.  
5.0—Brenders Jazz Band; Records.  
5.45—For Children.  
6.30—Song Records; Talk.  
7.0—KVRO and Film Notes; Re-  
quest Records.  
7.30—News; For Amateur Photo-  
graphers.  
8.0—"De lustige Krekels"—  
Cabaret, with the Radio Orches-  
tra. Conductor: Doulicz; at 8.45  
—Talk: The Large Families'  
League.  
9.50—Credo (arr. Grechaninov).  
10.10-11.0—Brenders Jazz Band.

**BUCHAREST**

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.  
6.15 p.m.—Jazz Band.  
7.20—Talk.  
7.40—Debussy Violin Music by  
Mme Barbillon-Stefanescu.  
8.15—Talk.  
8.30—Radio Orchestra. Conductor:  
Rogalsky.  
9.30—News; Sports; Records.  
10.45—News (French, German).

**BUDAPEST**

546 kc/s (549.5 m.); 120 kW.  
Transmits at intervals from 6.45 a.m.  
9.40 a.m.—News.  
10.0—Roman Catholic Service.  
11.30—Lakatos Cigány Band.  
12.30 p.m.—Opera Orchestra. Con-  
ductor: Rajter.  
2.0—Records.  
3.0—Fairy-tales.  
3.30—Station Orchestra.  
4.45—Talk: Bulgaria.  
5.15—Ferenc Hochstrasser (Flute).  
5.35—Sports.  
6.30—For Farmers.  
6.50—Hungarian Songs by Irén  
Kékes and the Ráczy Cigány  
Band.  
8.0—A Comedy (Scribe).  
8.50—News.  
9.15—Szabo Dance Band.  
10.0—Kresz Chamber Orchestra.  
11.0—News (German, Italian).  
11.10—Bura Cigány Band.  
12.5 a.m. (Friday)—News.

**COLOGNE**

658 kc/s (455.9 m.); 100 kW.  
Transmits at intervals from 6.0 a.m.  
12.0 noon—Station Orchestra, etc.  
2.0 p.m.—News; Light Music.

3.0—Nature Talks.  
3.45—Industrial and Legal Notes.  
4.0-6.0—See Deutschlandsender; at  
5.0-5.10—Reading.  
6.0—Talks.  
6.20—Maasz Chamber Music.  
Conductor: The Composer.  
6.50—Snapshots; News.  
7.10—Station Choir and Orchestra.  
Conductor: Adams; Municipal  
Orphanage Children's Choir and  
Solo Voices. Part I: Wenn der  
Schäfer scherchen will"—Folk-  
Song Play (Franz Ludwig). Part  
II: Spring, "The Seasons"  
(Haydn).  
9.0—"Quiet Joys"—Vocal and  
Instrumental Concert on Records.  
10.0—News; Records.  
10.30—See Hamburg.  
12.0 m't.-3.0 a.m. (Friday) —  
See Königsberg.

**DEUTSCHLANDSENDER**

191 kc/s (1,571 m.); 60 kW.  
Transmits at intervals from 5.0 a.m.  
12.0 noon-1.45 p.m.—See Breslau.  
1.45—News.  
2.0—Variety — Jäger Band and  
Records.  
3.0—Weather; Markets; Exchange.  
3.15—Chamber Music Old and  
New.  
3.40—Talk for Women; Pro-  
grammes.  
4.0—Light Orchestral. Conductor:  
Dobrindt.  
5.0—Reading.  
5.10—Orchestra (contd.).  
6.0—Chamber Music — Dahlke  
(Pfte.), Richter (Clarinet), and  
Schulz (Cello). Sonata (Ph. E.  
Bach). Trio (Beethoven).  
6.25—Records: Light Music.  
6.45—King Gustaf's Eightieth  
Birthday—Report on the Celebra-  
tion from Stockholm (Recorded).  
7.0—Motto; News.  
7.10—Across the Ocean—Variety  
with a Hawaiian Sextet, etc.  
8.0—Operetta Music—Station Or-  
chestra. Conductor: List, Lutter  
Dance Band, Chamber Choir  
and Singers (Recorded).



Hubert Kirsch, the popular  
Cologne baritone sings in that  
station's programme at 7.10 p.m.  
tomorrow.

10.0—News; Sports.  
10.20—Report: The Cycle Tour  
of Germany—Friedrichshafen to  
Freiburg.  
10.30—Günther (Viola da Gamba)  
and Helma Elsner (Harpisichord).  
Präludium (d'Hervelois). Sonata  
(Abel).  
10.45—Weather.  
11.0—Music from Hamburg.  
12.0 m't.-2.0 a.m. (Friday)—See  
Königsberg; at 12.55—Time.

**FRANKFURT**

1,195 kc/s (251 m.); 25 kW.  
Cassel, etc. See Sunday.  
Transmits at intervals from 5.0 a.m.  
12.0 noon—Light Orchestral.  
1.0 p.m.—Time; News.  
1.15—Light Orchestral.  
2.0—Time; News; Records.  
3.0-3.30—For Children.  
4.0-6.0—See Deutschlandsender; at  
5.0-5.10—The Roving Micro-  
phone.  
6.0—Topical Review; Records.  
6.45—King Gustaf's Eightieth  
Birthday—Report on the Celebra-  
tions in Stockholm (Recorded).  
7.0—Time; News.  
7.10—The Spessart Country—  
Descriptive Sequence (Rieth).  
8.0—Swedish-Finnish Concert from  
Wiesbaden—Municipal Orchestra.

Conductor: Vogt, Hoigt (Cello).  
Concert Overture (Larsson).  
Scandinavian Folk-Dances (Söder-  
man). Scherzo (Rangström). "Cello  
Concerto (Atterberg). Finlandia  
(Sibelius). From Finland (Palm-  
gren). Midsommarvaka (Alfvén).  
10.0—Time; News; Sports.  
10.15—Report: The Cycle Tour of  
Germany: Friedrichshafen-Frei-  
burg.  
10.30 p.m.-3.0 a.m. (Friday)—See  
Stuttgart.

**HAMBURG**

904 kc/s (331.9 m.); 100 kW.  
Bremen, etc. See Sunday.  
Transmits at intervals from 5.45 a.m.  
12.0 noon—Light Orchestral.  
1.0 p.m.—News; Topical Review.  
1.15—See Frankfurt.  
2.0—News.  
2.15—Light Music.  
3.0—Shipping; Markets.  
3.25—Violin and Baritone.  
4.0—Station Orchestra. In the  
interval, Talk.  
5.15—"Everyday Things"—Se-  
quence (Sascha).  
6.0—Report: A Trip from Grimby  
to Sheffield.  
6.30—Weather; Shipping.  
6.45—King Gustaf's Eightieth Birth-  
day—Report on the Celebrations  
from Stockholm (Recorded).  
7.0—News.  
7.10—See Deutschlandsender.  
8.0—Topical Review.  
8.10—"The Waxworks"—Musical  
Programme in Dialect. Compère:  
Specht.  
9.10—Music of Hamburg Com-  
posers—Plucked String Chamber  
Orchestra, Recorder Quartet, etc.  
Folk-Song Variations (Uldall).  
Sonata for Three Flutes (Mathe-  
son). Improvisations (Bruno).  
Idyll (Pugh). Scherzo (Pugh).  
Flutes and Guitar: Three Pieces  
(Uldall). Ständchen (Liebeck).  
Intermezzo (Friedrich). Abend-  
dacht (Liebeck-Ellermann).  
10.0—News.  
10.20—Talk: Breslau Gymnastic  
Festival.  
10.30 (from Hanover)—Light Or-  
chestral. Conductor: von Sosen.  
12.0 m't.-3.0 a.m. (Friday)—See  
Königsberg.

**HILVERSUM (No. 1)**

160 kc/s (1,875 m.); 10 kW  
until 8.40 p.m.; 150 kW from  
8.40 p.m. Also on Jaarsveld,  
722 kc/s (415.4 m.); 17 kW.  
7.40-9.40 a.m.—KRO Programme.  
9.40—Records.  
8.40—High Mass.  
9.40-10.40—NCRV Programme.  
9.40—Records.  
9.55—Service; Records.  
10.40 a.m.-1.40 p.m. — KRO  
Programme.  
10.40—Records.  
11.40—Police Messages; Weather.  
11.55—KRO Orchestra. Conductor:  
v. 't Woud; at 12.40 p.m.—  
Records.  
1.40 till Close — NCRV Pro-  
gramme.  
1.40—Handwork.  
2.35—Record; For Women.  
3.10—Records; Bible Reading.  
4.25—Records; For Youth.  
5.10—Children's Choir; Records.  
6.10—Salvation Army Address;  
Wind Instrument Ensemble.  
6.40—Police Messages.  
6.55—Press Review; Report.  
7.45—News; S O S Messages.  
7.55—NCRV Orchestra. Conductor:  
v. d. Hurk. Overture,  
"Morning, Noon, and Night"  
(Suppe). Moonlight on the  
Alster (Fétras). Ländler und  
Schuhplätzer (Daxenberger). Pot-  
pourri of Dutch Marches.  
8.40—Talk.  
9.10—Orchestra (contd.). Sym-  
phonic Music for Winds (Witt-  
mer). Selamlük (Florent Schmitt).  
Musique de harmonie (Fauchey).  
9.40—Press Review.  
9.45—Mme Ludolph (Soprano),  
Mlle Stroink (Contralto), Rettich  
(Pfte.). Le soir (Tchaikovsky).  
Pfte.: Dumka (Barninsky). After  
the Storm (Grechaninov).  
Dreams (Grechaninov). Zigeuner-  
lied (Brahms). Pfte.: Old Dutch  
Country Dances (Röntgen).  
Songs (Tetterode). Songs  
(Wettig-Weissenborn). Serenade  
(Mann).  
10.25—Gym; Records.  
11.30-11.40—Bible Reading.

**HILVERSUM (No. 2)**

995 kc/s (301.5 m.); 10 kW  
until 8.40 p.m. 60 kW from  
8.40 p.m.  
AVRO Programme.  
7.40 a.m.—Time; Records.  
9.40—Service; Records.  
10.10—AVRO Orchestra. Con-  
ductor: Treep.  
10.40—Dressmaking Lesson.

11.10—AVRO Orchestra. Conduc-  
tor: Treep. Ali de Wit (Pfte.).  
12.10 p.m.—Kovacs Lajos Orches-  
tra; at 12.55-1.25—Records.  
2.10—Unveiling by H.M. Queen  
Wilhelmina of the Statue to  
Queen Emma at Amsterdam.  
Speeches by M. Jan ter Haar  
Jr., and the Baron Roëll; Un-  
veiling Ceremony; Speech by  
Dr. W. de Vlugt, Burgomaster of  
Amsterdam.  
2.40—AVRO Octet.  
3.40—For Hospitals; Records.  
4.30—Play for Children.  
5.10—Aeolian Orchestra. Grethe  
Wejnschenk-Hogenbirk  
(Soprano).  
6.10—Sports — Talk by Han  
Hollander.  
6.40—Alexander Moszkowski  
(Violin) and Geza Frid (Pfte.).  
7.10—Palla (Organ).  
7.40—Time; News.  
7.55—Ninth Symphony in D minor  
(Beethoven).  
9.10—General Knowledge Bee-  
Bussum v. Hilversum.  
9.40—Variety.  
10.40—News.  
10.50-11.40—Bannet's Dance Band  
from the Palermo, Scheveningen.

**KALUNDBORG**

240 kc/s (1,250 m.); 60 kW.  
Relays Copenhagen, 1,176 kc/s  
(255.1 m.).  
Transmits at intervals from 7.0 a.m.  
12.0 noon-2.0 p.m.—Preil's En-  
semble.  
3.0—See Stockholm.  
3.30—Julian Orchestra.  
4.50—Announcements.  
5.0—Poems.  
5.25—Weather; Exchange; Mar-  
kets.  
5.50—Records; Talk.  
6.35—English Lesson.  
7.0—Time; News; Talk.  
7.30—Foreign Affairs.  
8.0—"The Journey to Biarritz"  
—Play (Jean Sarment).  
9.0—French Music. Radio Orches-  
tra. Conductor: Tuxen. Folmer  
Jensen (Pfte.). Le Carnaval  
romain (Berlioz). Symphonic  
Variations for Pfte. and Orchestra  
(Franck). Symphony in G minor  
(Roussel).  
10.0—News; Weather.  
10.20—Schubert Songs by Kären  
Brass. Verklärung. Freiwilliges  
Versinken. Das Rosenband.  
Fahrt zum Hades. Der Sieg.  
10.40—Reading.  
11.0 p.m.-12.30 a.m. (Friday) —  
Preil's Dance Band; at 12.0  
m't.—Time; Chimes.

**KÖNIGSBERG (Heilsberg)**

1,031 kc/s (291 m.); 100 kW.  
Relayed by Danzig, 1,303 kc/s  
(230.2 m.).  
Transmits at intervals from 5.0 a.m.  
12.0 noon-2.0 p.m.—See Frank-  
furt.  
2.0—News; Talk; Variety.  
2.55-3.0—Exchange.  
3.30—Children's Choir; Talk.  
4.5—Concert on Records; at 4.30  
—Week-end Hints.  
5.10—Talk; For Hitler Youth.  
5.50—Opening of the Nazi Party's  
Provincial Congress, from Königs-  
berg Castle—Station Orchestra.  
Conductor: Brückner.  
7.10—Station Orchestra. Conductor:  
Brückner, Hermann (Barito-  
tone). Overture, "Rienzi"  
(Wagner). Third Symphony  
(Brahms). Aria, "The Master-  
singers" (Wagner). Aria and  
Overture, "The Flying Dutch-  
man" (Wagner). Aria, "Hans  
Heiling" (Marschner). Overture,  
"E. Th. A. Hoffmann"  
(Besch).  
9.0—Topical Report.  
9.15—"The Memel Lowlands"—  
Word Pictures (Hilpert); Music  
by Noetf. Station Choir, Orches-  
tra, Solo Voices.  
10.0—News; Sports.  
10.20—Talk: Industrial Germany.  
10.40—Music from Stuttgart.  
12.0 m't.-3.0 a.m. (Friday)—Sere-  
nade from Danzig—Orchestra,  
Bass.

**LEIPZIG**

785 kc/s (382.2 m.); 120 kW.  
Relayed by Dresden, 1,285 kc/s  
(233.5 m.).  
Transmits at intervals from 5.50 a.m.  
12.0 noon-2.0 p.m.—See Frank-  
furt.  
2.0—News; Exchange; Records.  
3.0—Talk: Hermann von Wiss-  
mann.  
3.20 (from Dresden) — Trio for  
Clarinet, Horn and Bassoon (Un-  
known Classical Composer).  
3.50—Brazilian Bulletin.  
4.0—Records; at 5.0-5.10—Time;  
Weather; Markets.

5.30—Community Singing from  
Weimar.  
6.0—Reading; Music; Books.  
6.50—Topical Review; News.  
7.10—Leipzig Symphony Orchestra.  
Conductor: Blumer, "Charlier  
(Pfte.). Overture, "William  
Tell" (Rossini). Minuet and  
Allegro (Mozart). Pfte. Concerto  
(Rachmaninoff). Andante (Mac-  
chiavelli). Valses nobles et sen-  
timentales (Ravel). Excerpts,  
From the New World (Dvořák).  
8.45—Cabaret—Harry Langevisch  
and Records.  
10.0—News; Sports.  
10.30—See Stuttgart.  
12.0 m't.-3.0 a.m. (Friday) — See  
Königsberg.

**LILLE (Radio PTT Nord)**

1,213 kc/s (247.3 m.); 60 kW.  
Transmits at intervals from 6.30 a.m.  
7.0 p.m.—Station Orchestra. Overtu-  
re, "Mignon" (Thomas).  
Three Dances, "Nell Gwyn"  
(German). Overture, "Robes-  
pierre" (Litolff).  
7.30—Radio Journal; Weather.  
8.0—Thursday Night Variety with  
Ded Rysel and Company.  
9.15—Station Orchestra. Selection:  
"Show Boat" (Kern). Waltz  
(Komzak). Volupté (Delmas).  
Selection, "Paganini" (Lehár).  
Hungarian Czardas (Michels).  
Memories of Cairo (Armandola).  
Hungarian Scenes (Lederer).  
The Dancing Doll (Poldini).  
Marche des Francs-Archers (Grehg).  
After the Programme, News.

**MONTE CENERI**

1,167 kc/s (257.1 m.); 15 kW.  
Transmits at intervals from 12.0 noon.  
7.50 p.m.—News.  
8.0-10.15—"The Cricket on the  
Hearth"—Three Act Play, with  
Prologue (Charles Dickens, arr.  
Lodovici).

**MOSCOW**

172 kc/s (1,744 m.); 500 kW.  
12.30 p.m.—Talks in Italian.  
5.45—Music and Talk.  
9.30—News; Kremlin Chimes.  
10.5—Talks (French, Spanish).

**MUNICH**

740 kc/s (405.4 m.); 100 kW.  
Relayed by Nürnberg, 1,267 kc/s  
(236.8 m.).  
Transmits at intervals from 6.0 a.m.  
12.0 noon—Airmen's Band from  
the Feldhermhalle.  
12.55 p.m.—Time; Weather.  
1.0—Augsburg Orchestra, etc.  
3.0—For Children; Talk.  
4.0—To be announced.  
5.40—Scandinavian Songs by Lissie  
von Rosen (Soprano) (Recorded).  
6.0 (from Nürnberg)—Folk-Songs  
and Music—Orchestra. Conduc-  
tor: Schwarz; Magda Hader-  
thauer (Soprano), the German  
Singers and Oertel (Pfte.).  
7.0—Time; News; Records.  
7.40—Sports Echoes.  
8.0—"Gipsy Love" (Lehár). Con-  
ductor: Secker (Recorded).  
10.0—Time; News; Sports.  
10.30—See Stuttgart.  
12.0 m't.—Italian Contemporary  
Music—Station Orchestra. Con-  
ductor: Casella (Recorded).  
1.15-3.0 a.m. (Friday) — Serenade  
from Königsberg.

**NAPLES GROUP**

Naples (No. 1), 1,104 kc/s (271.7  
m.); 10 kW. Florence (No. 1),  
etc. See Sunday.  
Transmits at intervals from 7.45 a.m.  
7.0 p.m.—Music; Topical Review.  
7.20—Romagna Singers. Romagnola  
(Martuzzi). E corr e foss  
(Pratella). Evening in the Coun-  
try (Babini). La piè (Pratella).  
La lezione de' sciadur (Pratella).  
Casteina bianca (Pratella). Con la  
prema stela (Martuzzi). Al fu-  
garen (Pratella).  
8.0—Time; News.  
8.30—Symphony Concert. Conduc-  
tor: Lualdi. Overture, "Donna  
Diana" (Reznicek). Symphony  
in D (Cherubini). Rhapsody,  
Africa (Lualdi). In the interval,  
Talk.  
9.40—"Round the World"—Fan-  
tasy (Basilisco).  
10.0 (approx.)-11.55 — Dance  
Music; at 11.0—News.

**OSLO**

260 kc/s (1,153.8 m.); 60 kW.  
Fredrikstad, etc. See Sunday.  
Transmits at intervals from 10.30 a.m.  
6.0 p.m.—Service.  
6.25—Boys' Choir, Conductor:  
Storaekre. Einar Engebretsen  
(Organ).  
6.45—News; Weather.  
7.15—Parliamentary Review.  
7.30—Record; Talk.



THURSDAY (June 16)

8.0—Randi Helseth (Soprano) and Arvid Fladmoe (Violin). Aria, "Amadis" (Lully). Arietta (Pergolesi). Violin Sonata in G minor (Tartini). Il guiguerito (Laserna). Alleluia (Mozart).  
8.30—Programme for the Eightieth Birthday of H.M. King Gustaf V of Sweden.  
9.40—Weather; News; Topical.  
10.15-10.45—Stavanger Radio Orchestra. Conductor: Knudsen.

**PARIS (Eiffel Tower)**  
1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 6.30 a.m.  
3.45 p.m.—"La Chanson de Roland"—Play (Lespine).  
5.45—Records.  
6.30—Educational.  
7.0—Theatre Review.  
7.20—Foreign Affairs.  
7.30—Radio Journal; News.  
8.0—Capriccio (Tomas) by Perring (Violin), the Composer at the Pite.  
8.15—Debussy Songs by Nelly Fréval.  
8.30—See Bordeaux-Lafayette.  
10.30—Records.  
11.0-11.15—News.

**PARIS (Poste Parisien)**  
959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m.  
5.0 p.m.—Fauré, Debussy and Ravel Concert from the Grand Palais, Jules Genty (Pfte.), Victor Genty (Violin) and André Levy (Cello).  
6.0—News; Exchange.  
6.10—"The Adventure Club."  
6.25—Thérèse Dorny and Jaboune.  
6.58—Racing; Record; Sports.  
7.10—Amusement Guide; Variety.  
7.40—Legal Talk.  
7.45—"Les beaux jeudis," with Germaine Lix, etc.  
8.0—Topical.  
8.10—"Les Frères Jacasse."  
8.15—Music-Hall, with Reda Caire, Reva Reyes and Fanica Luca.  
8.45—Talk.  
9.10—International Stars presented by Adolphe Borchard.  
10.—Records.  
10.30—Cabaret.  
11.0—News.

**PARIS (PTT)**  
695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.30 a.m.  
4.0 p.m.—Marcelle Samson (Songs).  
4.15—Science; Talks.  
4.45—Mme Victoria (Songs).  
5.0—Postelnikoff (Pfte.). Minuet (Rameau). Variations on a Paisiello Theme (Beethoven). Impromptu (Schubert). Der Erlkönig (Schubert-Liszt).  
5.15—Charles-Paul (Songs).  
5.30—Charmy (Violin). Berceuse (Fauré). Waltz (Brahms). Jota (Quiroda).  
5.45—Grammar Lesson; Talk.  
6.0—For Farmers; Talk.  
6.30—Line Zilgien (Organ) from the Schola Cantorum. Sinfonia (Bach). Adagio (Martini). Variations, Fifth Symphony (Widor). Toccata (Jongen).  
7.0—Radio Journal; News.  
8.0—Radio Fantasy (P. and R. Constantin Brive), with Music.  
8.30—"Ramuntcho" (Pierlé); Libretto by Pierre Loti. Conductor: Tomasi.  
10.30—Radio Journal; News.  
10.45—Records.

**PARIS (Radio-Cité)**  
1,068 kc/s (280.9 m.); 2 kW. Transmits at intervals from 6.45 a.m.  
9.0 p.m.—"Requiem" (Berlioz), from the Courtyard of the Invalides. Conductor: Charles Munch.  
11.30—News.

**PARIS (Radio-Paris)**  
182 kc/s (1,648 m.); 80 kW.  
6.28 a.m.—Programmes; Records.  
6.40—News; Gym; Records.  
7.15—News; Gym; Records.  
8.0-8.45—News; Notes; Records.  
9.45—Notes; For Scouts; Records.  
10.45—Reading; Records.  
11.45—Exchange; Water Level.  
12.0 noon—Protestant Address.  
12.20 p.m.—Giardino Orchestra.  
1.0—Time; News; Exchange.  
1.30—Mme Blanc-Audra (Songs).  
1.45—Giardino Orchestra.  
2.0—Programmes; Films; Talk.  
2.30—Exchange; Metals; Markets.  
2.45—Ketty Phalirea (Songs).  
3.0—Simone Jacson (Pfte.). Le réveille-matin (Couperin). Sonata in D minor (Scarlatti). Theme with Variations (Haydn). Sol-fégietto (Ph. E. Bach). Rigaudon (Ravel).  
3.15—Talks; For Sportsmen.  
3.45—Exchange.  
4.0—Puech-Saler (Songs).

4.15—Educational.  
4.45—Exchange; Markets.  
5.0—"La vérité suspecte" (La Verdad Sospechosa)—Three-Act Play (Alarcon y Mendoza).  
6.30—Racing; Talks; Programmes.  
7.0—Educational; Literature.  
7.59—Time; Foreign Affairs.  
8.8—Home Affairs; Songs.  
8.40—Talk on the 8.45 Programme.  
8.45—"The Barber of Seville" (Rossini), from the Opéra-Comique, with Solange Delmas singing Rosina. Conductor: Cloez. In the interval, News; Press Review; Humour.  
11.30 (approx.)—Programmes.

**PRAGUE**  
638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 6.30 a.m.  
7.0 p.m.—News; Topical.  
7.20—Talk: Sokol Games, 1938.  
7.35-9.5—From Moravská-Ostrava.  
7.35—Military Band; Talk.  
8.15—Orchestra, Songs.  
9.5—See Brno.  
9.15—Concert of Old Czech Sacred Music from the Loreto Church. FOC Orchestra, Boys' Choir, Prague Society for Sacred Music, Nemeč (Organ), Anna Pefckřková and Otava (Songs). Conductor: Vymetal. Part I: Sacred Songs (Michna, Planicky, Pecelius, Vanura, Abric).  
10.0—News; Records.  
11.0-11.15—News in English.

**RADIO EIREANN**  
565 kc/s (531 m.); 100 kW. Dublin, etc. See Sunday.  
1.30-3.0 p.m.—Records.  
5.30—Maise and Lal Cranfield (Songs).  
5.50—"The Folk-Songs of Germany"—Lecture-Recital by Helmut Clissmann.  
6.20—Talk by Prof. Lloyd Jones: The Development of Welsh Literature.  
6.35—Irish News Feature.  
6.45—News.  
7.5—"The Best Weeks of her Life"—Radio Play (Victor Boyd).  
7.35—Irish Radio Orchestra. Conductor: Lieut. D. P. O'Hara, Denis Cox and May Kavanagh.  
8.25—Belfast Speaks, by Denis Ireland.  
8.40—The Thunder Brothers.  
9.0—Leslie D. Paul (Pfte.).  
9.30—Variety.  
10.30—News; National Anthem.

**RADIO-NORMANDIE**  
1,411 kc/s (212.6 m.); 15 kW.  
7.10 a.m.—Call.  
7.15—Press Review; News.  
7.45—Physical Exercises.  
8.0—The Three Tops.  
8.15—Time; Roy Fox's Band, with Mary Lee and Denny Dennis.  
8.30—Popular Tunes.  
8.45—Tunes you might have heard.  
9.0—Time; Music from the Theatre past and present.  
9.30—Favourite Melodies.  
9.45—Hutch, Romantic Singer.  
10.0—Time; Radio Favourites.  
10.15—Light of Heart.  
10.30—Highlights on Parade.  
10.45—Something for Everybody; at 11.0—Time.  
11.15—Popular Programme.  
11.30—Operetta Excerpts: (a) "Normandie" (Misraki), (b) "La Poule" (Christine-Borde).  
12.10 p.m.—Military Band.  
12.30—News.  
1.0—For Children.  
2.30—Variety.  
3.0—For Film Fans.  
3.30—Variety.  
3.45—Musical Mirror.  
4.0—Pleasant Quarter Hour.  
4.15—Cinema Organ Favourites.  
4.30—Felix Mendelssohn's Orchestra with Paula Greene and George Barclay.  
4.45—Programme for Music Lovers; at 5.0—Time.  
5.15—For Boys and Girls.  
5.30—Some of the Old Songs.  
6.0—Markets.  
6.5—Orchestra.  
6.45—Talk; News; Racing.  
7.0—Songs.  
7.30—News.  
7.45—Music.  
8.0—Avignon Orchestra.  
8.20—Records of Maurice Chevalier.  
8.40—Records of the Raymond Orchestra.  
9.0—Concert.  
11.0—Café Concert.  
12.0 m't.—Melody at Midnight.  
12.30-1.0 a.m. (Friday)—Time; Dance Music.

**RENNES-BRETAGNE**  
1,040 kc/s (288.5 m.); 120 kW. Transmits at intervals from 6.30 a.m.  
8.30 p.m.—Light Orchestra, from Nantes. Conductor: Martin.

9.0—Songs; Fantasy (Chailou), Music by Guilhard. After the Programme, News; Music.

**ROME GROUP**  
Rome (No. 1), 713 kc/s (420.8 m.); 120 kW. Bari (No. 1), etc. See Sunday.  
Transmits at intervals from 8.30 a.m.  
5.0 p.m.—News.  
5.15—Gigliola Galli (Pfte.). Sonata in G (Galuppi). Toccata con il canto del cucù (Pasquini). Fantasia in C minor (Bach). Waltz in D flat (Chopin). Deuxième Arabesque (Debussy). L'Isle joyeuse (Debussy).  
5.50—Shipping; Weather.  
6.0—For Merchant Shipping.  
6.25-6.35—Talk.  
7.0—Talk in Czech.  
7.20—Dopolavoro Notes.  
7.30—String Orchestra.  
8.0—Time; News; Music.  
8.35 (Palermo and Naples (No. 2) only)—Light Music.  
9.0—"Der Rosenkavalier" (R. Strauss, arr. Schanzer). Conductor: La Rosa Parodi. Choir Master: Consoli. Cast: Maria Carbone, Vincenzo Bettoni, Cloc Elmo, Gino Valbelli, Lina Aimaro, Natalia Niccolini, Ubaldo Tofanetti, Maria Marucci, Ernesto Dominici, Piero Giradi, Nicola Rakowski and Amilcare Pozzoli: In the interval, Talks and News.

**SAARBRÜCKEN**  
1,249 kc/s (240.2 m.); 17 kW. Relayed by Kaiserslautern, 1,429 kc/s (209.9 m).  
Transmits at intervals from 6.0 a.m.  
12.0 noon-2.0 p.m.—See Frankfurt.  
2.0—News.  
2.15—See Berlin.  
3.0-3.30—Fairy-tales.  
4.0-5.45—See Deutschlandsender; at 5.0-5.10—Periodicals.  
5.45—Book Report.  
6.0—"Away Dull Care!"—Bock (Baritone), The Four Merry Musicians, Hackspiel (Pfte.), and Records.  
7.10—German Folk-Songs.  
7.30—Topical Review.  
8.0—"Dedications"—Willy Schneider (Bass-Baritone), Hackspiel (Pfte.) and Records.  
9.0—A Letter from the Saar Palatinate Listener in Shantung.  
9.15—"Die Kinderhochzeit"—a Tableau of Old-Time Nassau.  
10.0—Time; News; Topical.  
10.20—Trio in A minor (Tchaikovsky).  
10.50—Music from Stuttgart.  
12.0 m't.-3.0 a.m. (Friday)—See Königsberg.

**SOTTENS**  
677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.).  
12.29-1.45 p.m.—News; Records.  
5.0—Radio Geneva Ensemble, Conductor: Pasche.  
6.0—For Children; Records.  
7.0—For Farmers; Talks; Music.  
7.50—News; Weather.  
8.0—Radio Suisse romande Orchestra, Conductor: Haug.  
9.0—Soirée de chansons—Edith Burger, René Bersin and his Troupe.  
10.15-11.0—Report from la Pontaise: The Swiss Cycling Championships.

**STOCKHOLM**  
704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday.  
Transmits at intervals from 7.20 a.m.  
9.30-10.30 a.m.—Service from Storkyrkan, Archbishop Eidem, Primate of Sweden, officiating.  
11.10—Presentation of the Nation's Gift at the Rikssal—Speeches by the Prime Minister and H.M. the King.  
11.35—Light Music by Karin Boudrie's Trio; at 12.0 noon—Town Hall Chimes; Poem.  
12.20 p.m.—Commentary on the Royal Procession from the Palace to the Town Hall.  
1.0—News; Exchange.  
1.25—Kyndel (Violin), Norrby ("Cello) and Wiberg (Pfte.).  
2.10—Stockholm Choral Society's Concert in the presence of the King, from the Town Hall.  
2.30—Commentary on the Royal Drive through Stockholm.  
3.0—Celebrations in the Stadium—Speeches by the King and others.  
3.30—Swedish Music. Göteborg Radio Orchestra. Conductor: Tor Mann. Strandberg (Baritone). Overture, "The Maid of Orleans" (Söderman). Song: Floréz och Blanzeflor (Stenhammar). Suite, "Master Olof" (Aulin). Legends

(Sjörgren-Mann). Midsommarvaka (Alfvén).  
4.30—Reading; Weather.  
5.5—Records.  
6.0—Reading.  
6.15—Waldimir's Orchestra.  
7.0—News; Weather; Topical.  
7.30—Records: Chopin Etudes by Backhaus.  
7.45—Talk: "Mr. G." as Tennis Player.  
8.0—The King's Birthday Celebrations—Visits to Amusement Centres and Open-air Dances. In the intervals, Reports on the Day's Festivities (Recorded).  
10.0—News; Weather.  
10.15-11.0—Navy Band from Skansen. Conductor: Widner. Royal March. Tales from the Vienna Woods (Strauss). Selection "Mignon" (Thomas). Miniature Dance Suite (Friman). Mustalainen (Merikanto). March (Woitschach).

**STRASBOURG**  
859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m.  
7.0 p.m.—Radio Journal; Weather.  
7.30—Czech Music—Liza Fuchsova (Pfte.). Bohemian Peasants' Festival (Smetana). Song of a Carnival Night (Novak). Petite Suite (Jirak). Impromptu (Moyzes). Allegro molto (Suchon). Humoresque (Suk). Grottesque (Stephan).  
8.0—News (German, French).  
8.30—"Animals"—Variety Concert in German (arr. Bour). Station Orchestra. Conductor: Bour. Olivia Lehmann (Soprano), Charles Gillig (Bass-Baritone), and Speakers.  
9.15—See Prague.  
10.0—To be announced.  
10.20—Part II of the Sacred Concert from the Loreto Church, Prague. Dieu soit loué (Zelenka). Magnificat (Brix).  
10.45—News (French, German).

**STUTTGART**  
574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.45 a.m.  
12.0 noon-2.0 p.m.—See Frankfurt.  
2.0-3.0—Concert on Records.  
4.0—Baden-Baden Spa Orchestra. Conductor: Assmus.  
5.0—"Africa"—Word Pictures (Heiss).  
5.30—Folk-Dance Records.  
6.0—Records; Topical Reviews.  
7.0—News; Calendar; Echoes of the Reich Theatre Festival Week.  
7.15—Song Records.  
8.0—Station Orchestra, Conductor: Görlich. Overture, "The Caliph of Bagdad" (Boieldieu). Ball-szenen (Hellmesberger). Military Symphony (Haydn).  
8.40—French Chamber Music. Sonata for Flute, Harp, and Viola (Debussy). Serenade (Roussel).  
9.15—"Marionettes"—Talk, with Reports from Marionette Theatres.  
10.0—Time; News; Sports.  
10.30—Folk-Music and Light Music—Station Choir and Orchestra, Folk-Music Ensemble, etc.  
12.0 m't.-3.0 a.m. (Friday)—Serenade—Station Orchestra, Arrau (Pfte.) and Heckmann (Harp).

**TOULOUSE (Radio-Toulouse)**  
913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.0 a.m.  
6.55 p.m.—News; Sports.  
7.15—Film Music.  
7.45—Orchestra; News.  
8.0—Light Music.  
8.25—Talk; Variety.  
8.45—Salon Orchestra.  
9.10—Talk.  
9.15—"In Retrospect"—Fantasy.  
9.30—Light Music.  
10.0—News; Orchestra.  
10.35—Chansonnettes; Orchestra.  
11.0—Marches; Light Music.  
11.45—Dance Music.  
12.0 m't.—News.

**TURIN GROUP**  
Turin (No. 1), 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday.  
Transmits at intervals from 8.30 a.m.  
5.0 p.m.—News.  
5.15—Ida Faré (Soprano) and Giovanni Magistrati (Tenor).  
5.50-6.35—See Rome Group.  
7.19 (Rome (No. 2) only)—News and Talk in English.  
7.20-8.30—See Rome Group.

8.30—Funaro Quartet; at 8.36 (Milan (No. 1), Rome (No. 2) and Bolzano)—News and Talk in German.  
9.0—"Colonne sonore di giornale" (Cabbalo) for the Nineteenth Anniversary of the "Gazzetta del Popolo." After the Programme—Songs and Dances.  
11.0—News.  
11.15-11.55—Angelini Dance Band.

**VIENNA**  
592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday.  
Transmits at intervals from 6.0 a.m.  
12.0 noon—Vienna Chamber Orchestra; Kusche (Violin).  
2.0 p.m.—News; Records.  
3.0—Miners' Tales.  
3.30—Pfte. Trio in D minor (Schumann).  
4.0—Vienna Symphony Orchestra. Conductor: Audeieth. Overture, "Stock im Eisen" (Welleba). Ballet Suite (Glazunov). Intermezzo, "I Pagliacci" (Leoncavallo). Waltz, Perlen der Liebe (Strauss).  
5.0—Reading (Zerzer).  
5.10—See Deutschlandsender.  
6.0—Cabaret (arr. Xantho). Gloria Astor and Petroff (Songs), Sandauer (Pfte.), Larysz (Violin), and Mikulas (Guitar).  
6.40—Sports.  
7.0—News.  
7.10—"Grössere Heimat"—the Zanoskar Players and Bezemek Singers.  
8.0—Vienna Light Orchestra, Conductor: Schönherr; Groh (Tenor), and Magda Rusy (Pfte.). Triumphant March from "Aida" (Verdi). Comedy Overture (Sczuka). Aria, "Le Postillon de Longjumeau" (Adam). Concert Waltz, Gruss an Wien (von Bausnern). Chromatic Gallop (Liszt). Aria, "Tosca" (Puccini) (Verdi). "Naila" (Delibes-Dohnányi). Pizzicato and Entry of Bacchus, "Sylvia" (Delibes). Aria, "I Pagliacci" (Leoncavallo). Gopak (Tchaikovsky). Waltz in C sharp minor (Chopin). Tarantella (Glazunov). Arias, "Der Rosenkavalier" (R. Strauss). Petite Suite (Debussy). Hungarian Rhapsody (Liszt). Serenade (Drigo). Waltz, Du und du (Strauss). Polka in A flat (Rachmaninoff). Song, "Schön ist die Welt" (Lehár). Overture, "Das verwunschene Schloss" (Millicker). Song, "The Land of Smiles" (Lehár). March, "The Gipsy Baron" (Strauss).  
10.0—News.  
10.30—See Stuttgart.  
12.0 m't.-3.0 a.m. (Friday)—See Königsberg.

**WARSAW**  
224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday.  
Transmits at intervals from 7.15 a.m.  
1.20 p.m.—Poznan Salon Ensemble and the Dan Choir, etc.  
3.0—For Country People.  
4.15—Dance Records.  
5.15—Health Talk.  
5.30—Topical.  
6.0—Martusiewicz (Pfte.) and Salacz (Violin). Pfte.: (a) Sicilienne (Bach), (b) Prelude in E (Bach-Labunski), (c) Rondo in G (Beethoven). Violin: (a) Romance without Words (Wieniawski), (b) Rondo (Wieniawski), (c) Canzonetta (Tchaikovsky). Pfte.: (a) Aus meinem Tagebuch (Reger), (b) Ballad in G minor (Brahms). Violin: (a) Slav Dance in E minor (Dvořák), (b) Romanza andaluz (Sarate). Pfte.: (a) Minuet (Friedmann), (b) Variations on a Folk Theme (Markiewicz).  
7.0 (from Poznan)—Historical Sketch (Roy).  
7.45 (from Wilno)—"Springtime and Love"—Concert. In the interval, Sketch (Nietybullo).  
8.45—News; Topical.  
9.0—Melodies from "Jadzia the Widow" and "The Lady from Maxim's" (arr. Bygietyński), by Brzezińska and Bogucki (Songs) and the Radio Instrumental Quartet.  
9.40—Sports Review.  
10.0—Polish Chamber Music—Umińska and Jaworski (Violins), Szaleski (Viola), Adamska ("Cello) and Wysocka-Ochlewska (Pfte.). String Quartet in D (Lessel). Pfte. Quintet in G minor (Zarebski).  
11.0-11.15—News; Topical Talk (German).

# FRIDAY June 17

## National

For Time Signals, see Monday.

- 10.15 a.m. (D)—Service.  
 10.30 (D)—Weather Forecast.  
 10.45 (D)—"Home Nursing," by a Health Visitor.  
 11.0 (D)—For Schools.  
 11.50 (D)—Ernest Maynard (Organ).  
 12.20 p.m. (D)—Billy Gerhardt's Band.  
 1.0 (D)—Cycling Tour of the North, by Harry Rudall.  
 1.15 (D)—Birmingham Ladies' String Quartet.  
 2.5 (D)—For Schools.  
 4.0 (D)—Records.  
 4.30 (D)—"The Open Road," by Barbara Couper and Howard Rose.  
 5.0—Leslie Bridgewater Quintet; The Cecilia Trio.  
 6.0—The First News.  
 6.25—Act 1, "Die Meistersinger" (Wagner) from Covent Garden, with Charles Kullmann, Tiana Lemnitz, Marie Louise Schlipf, Karl Laufkötter, Wilhelm Hiller, Hermann Wiedemann, Carl Kronenberg, Trefor Jones, Samuel Worthington, Herbert Janssen, Booth Hitchin, Roy Devereux, Ben Williams, Frank Sale, Frederick Woodhouse, Leslie Horsman; Conductor, Sir Thomas Beecham.  
 7.50—Alec Rowley, Edgar Moy (Pfte.).  
 8.15—Excerpt from C. B. Cochran's "Happy Returns," with Beatrice Lillie, Flanagan and Allen, Phyllis Stanley, Patricia Burke, Pat Taylor and Mr. Cochran's Young Ladies.  
 9.0—The Third News.  
 9.20—Fact or Fiction? Dragons.  
 9.45—Act 3, "Die Meistersinger."  
 11.35-12.0—Dance Records.

## London Regional

For Time Signals, see Monday.

- 10.15-10.45 a.m.—National.  
 10.45—Felton Rapley (Cinema Organ).  
 11.15—The Trout Fisherman at Work.  
 11.30—Aston Hippodrome Orchestra.  
 12.30 p.m.—Senior T.T. Race.  
 1.0—H. Robinson Cleaver (Cinema Organ).  
 1.30—Senior T.T. Race.  
 2.15—Karl Caylus Players.  
 2.45—Clydebank Burgh Band.  
 3.45—Midland Orchestra conducted by Leslie Heward.  
 5.0—The Children's Hour.  
 6.0—Alfredo Campoli's Salon Orchestra.  
 6.45—"The Week in Westminster."  
 7.0—The Second News.  
 7.20—Regional Announcements.  
 7.30—Syncopation Piece.  
 8.15—International Society for Contemporary Music: Concert from Queen's Hall; BBC Orchestra, London Select Choir.  
 9.15—Variety from Hippodrome Theatre, Aston, Birmingham.  
 10.0—News Summary.  
 10.25—Michael Flome's Band.  
 11.30—Records.  
 11.50-12.0—Late News Summary.

## Midland

- 10.15 a.m.—5.0 p.m.—Regional.  
 5.0—The Children's Hour.  
 6.0—Regional.  
 7.20—Midland Announcements.  
 7.30—Dance Records.  
 7.50—Bridgnorth Schools' Music Festival.  
 8.15-12.0—Regional.

## Northern

- 10.15-11.0 a.m.—Regional.  
 11.0—Senior T.T. Race.  
 11.30 a.m.—5.0 p.m.—Regional.  
 5.0—The Children's Hour.  
 6.0—BBC Northern Orchestra.  
 6.45—Regional.  
 7.20—Brief Chronicle.  
 7.30—Isle of Man Night's Entertainment.  
 8.15—Regional.  
 9.15—International Tourist Trophy Races.  
 9.35—Flippant Fingers: Bernard Woods.  
 9.45—Air Raid Precautions: Sir R. Noton Barclay.  
 10.0-12.0—Regional.

## Western

- 10.45 a.m.—6.0 p.m.—National.  
 6.0—Sports Talk.  
 6.20—Winifred Davey (Pfte.).

## Regional.

- 7.20—Western Announcements.  
 7.30—Regional.  
 8.15—BBC West of England Singers: Margaret Hodsdon (Virginal).  
 8.45—Ernest Maynard (Organ).  
 9.15-10.25—Regional.

## Welsh

- 10.15 a.m.—5.0 p.m.—Regional.  
 5.0—The Children's Hour.  
 6.0—Mathafarn Choral Society: Owen Bryngwyn (Baritone).  
 6.40—Welsh talk on current events.  
 7.0—The Second News.  
 7.20—Welsh Announcements.  
 7.30—For Welsh Farmers.  
 8.0—"Genefa a'r Byd": Gwilym Davies.  
 8.15—Regional.  
 9.15—BBC Welsh Orchestra: Francis Russell (Tenor).  
 10.0-12.0—Regional.

## N. Ireland

- 10.15 a.m.—5.0 p.m.—Regional.  
 5.0—The Children's Hour.  
 6.0—Regional.  
 7.20—N. Ireland News.  
 7.30—Irish Dance Music: Aifric McGinley (Contralto); Section of BBC N. Ireland Orchestra.  
 8.0—Dance Records.  
 8.15-12.0—Regional.

## Scottish

- 10.15 a.m.—2.0 p.m.—National.  
 2.0—Herring Fishing Bulletin.  
 2.5—For Schools.  
 4.0-5.0—National.  
 5.0—The Children's Hour.  
 6.0—"Next Week You'll Hear."  
 6.10—"The Week-end out of Doors," and "Saturday Sport."  
 6.20—Johnstone Prize Silver Band.  
 6.45—Regional.  
 7.20—Scottish Announcements.  
 7.30—Regional.  
 9.15—Harry Gordon of Inversnecky.  
 9.45—Visit to the Empire Exhibition.  
 10.0-12.0—Regional.

Hours of Transmission in British Summer Time.

## BERLIN

- 841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 6.0 a.m.  
 12.0 noon—See Saarbrücken.  
 2.0 p.m.—News; Water Level.  
 2.15—Bund Band.  
 3.15—Exchange; Markets; Records.  
 4.30—Sports Review.  
 5.0—Romanian Music—Jarosevici ('Cello); von Vultée (Pfte.). Sonata (Fichtner). Sketches (Janu). Romanian Folk-Dances (Bela Bartok). Sicilienne (Notartara). Folk-Dance (Demetriscu); Reading.  
 6.0—Concert from Bad Freienwalde.  
 7.0—News; Records.  
 7.45—Evening Echoes.  
 8.0—Humour and Light Music.  
 9.0—Records: Tenor Arias and Ballet Music. Helge Roswaenge: Aria, "Oberon" (Weber). Waltz, "Schlagobers" (R. Strauss). Walther Ludwig: Hymn, "Alessandro Stradella" (Flotow); Gipsy Dances, "Russalka" (Dargomizhsky), Marcel Wittrich: Aria, "Halka" (Moniuszko). Dances, "Iris" (Mascagni); Gigli: Arias, "L'elisir d'amore" (Donizetti), "Cavalleria rusticana" (Mascagni). Polovtsian Dances (Borodin).  
 10.0—News; Road Report.  
 10.30—See Leipzig.  
 12.0 m't.—3.0 a.m. (Saturday)—See Frankfurt.

## BEROMÜNSTER

- 556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.).  
 6.15-6.35 a.m.—Gym.  
 12.0 noon—Operetta Records.  
 12.29 p.m.—Time; News.  
 12.40-1.45—The Microphone at the Cinema; Film Records.  
 4.30—For Women.  
 5.0—Zürich Radio Orchestra.  
 6.0—Weather; Records.  
 6.30—For Children.  
 6.35—Talk: Blood Groups.  
 7.0—Time; Markets; Announcements.  
 7.10—Pfte. Sonata in D (Schubert) by Eugen Huber.  
 7.45—Weather; News.  
 7.55—"The Count of Luxembourg" (Lohár) (Recorded).

- 9.15—Civics for Women.  
 9.25—The Swiss Technical Association's Song Soirée.  
 10.25-10.30—Announcements.

## BRATISLAVA

- 1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 6.0 a.m.  
 6.0 p.m.—Hungarian Transmission: Talks; Reading.  
 6.45—News in German.  
 7.0-8.30—See Prague.  
 8.30—Play (Horáková) from Moravská-Ostrava.  
 9.25—Station Orchestra. Conductor: Schimpl; Darina Paulovjová (Soprano). Songs (Suchon). Suite, Váh (Moyzes).  
 9.55-11.0—See Prague; at 10.15—News in Hungarian.

## BRESLAU

- 950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz and Görlitz, 1,231 kc/s (243.7 m.). Transmits at intervals from 5.0 a.m.  
 12.0 noon—Light Orchestral.  
 2.0-3.0 p.m.—News; Records.  
 4.0—Theatre Orchestra, Conductor: Erich Peter; Lassak (Pfte.); at 5.0-5.10—Reading.  
 6.0—Talks and Sketch.  
 6.55—Markets; News.  
 7.10—Fierke Quintet. Prelude (Rachmaninoff). Waltz, Mein Ideal (v. Blon). Budapest bei Nacht (v. Belti-Pjilinsky). Selection, "Manon" (Massenet). Minuet in D (Mozart). Nocturne (Liszt). Kleine Begebenheit (Rust). Sicilian Serenade (Winkler). Selection, "Gipsy Love" (Lehár).  
 8.15—"German U-Boat Heroes of the Great War"—Sequence (Urhammer-Kuhlmann).  
 9.0—Sound News.  
 9.15—Kühländchen—Sequence (Thurlofer) with the Station Orchestra and the Author (Songs to the Lute).  
 10.0—News.  
 10.20—Concerto for Orchestra (Bialas). Conductor: Prade—Specially Composed for Breslau Broadcasting Station.  
 11.0—Music from Leipzig.  
 12.0 m't.—3.0 a.m. (Saturday)—See Königsberg.

## BRNO

- 922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 6.0 a.m.  
 6.0 p.m.—German Transmission: For Housewives; Records; Talk.  
 6.35—For Scouts.  
 6.45—News in German.  
 7.0-11.0—See Prague.

## BRUSSELS (No. 1)

- 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—Loiseau Orchestra; at 1.0—News.  
 1.30-2.3—Records; Art Notes.  
 4.55—News.  
 5.0—Radio Orchestra. Conductor: Gason.  
 5.20—Contemporary French Poets and Composers—Claire Lubrez (Recitations) with Records.  
 5.40—Radio Orchestra. Conductor: Gason.  
 6.0—Talk: Fluorescence.  
 6.15—Request Records.  
 6.30—Brahms Music by Francis Duquenois (Pfte.) and Mme Vegairinsky—Chabot (Songs). Pfte.: (a) Caprice, (b) Intermezzo, (c) Caprice. Songs. Pfte.: (a) Intermezzi, (b) Caprice.  
 7.0—Reviews.  
 7.15—Trio (Boccherini) by the Guller Trio.  
 7.30—News; Orchestral Records.  
 8.20—Act II, "The Mastersingers" (Wagner), from Covent Garden, London.  
 9.20—Talk: State Reform.  
 9.35—Concerto (Tchaikovsky) by Hubermann ('Cello) and Orchestra (Recorded).  
 10.0—News.  
 10.10—Brenders Dance Band. Rigueux (Songs).  
 10.55-11.0—Record.

## BRUSSELS (No. 2)

- 932 kc/s (321.9 m.); 15 kW. Programme in Flemish.  
 6.30-9.5 a.m.—Records; Gym; News.  
 12.0 noon—Records of Marches and Waltzes.  
 12.31 p.m.—Light Orchestral; at 1.0—News; Shipping.  
 1.30—Records: Light Music.  
 2.0-3.15—For Schools.

- 4.55—Announcements.  
 5.0—Salon Orchestra. Conductor: Féron; Nadine Dechangy (Soprano).  
 5.45—Instrumental Records.  
 6.15—Talk: Jacques Van Artevelde.  
 6.30—Salon Orchestra. Conductor: Féron; Nadine Dechangy (Soprano).  
 7.0—Film Review.  
 7.30—News; I.N.R. Review.  
 8.0—I.N.R. Symphony Orchestra. Conductor: Franz André; I.N.R. Mixed Choir, Conductor: Gras; Maria Serverius (Songs). Suite, "Lulu" (Berg). Choir: Two Songs to Michael Angelo. Sonnets: (a) Il coro degli zitti (Dallapiccola), (b) Il coro dei lanzibriachi (Gagliardo).  
 8.45—"A Trip to the Seaside"—Humorous Sketch (Durr).  
 9.0—I.N.R. Stravinsky Music. Symphony Orchestra, etc. (contd.). The Rite of Spring—Ballet. Russian Pictures.  
 9.45—Records.  
 10.0-11.0—News; Records.

## BUCHAREST

- 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.  
 6.15 p.m.—Pfte. Quintet (Schumann).  
 6.55—Talk.  
 7.15—"Romania" Choral Society.  
 7.50—Talk.  
 8.5—French Music by Mme Rosi Baumann-Radulesco (Songs) and Mme Sabine Nicolesco (Harp). La lettre du jardinier (Tournier). Seven Bergerettes. Las si j'avais pouvoir d'oublier (Thibaut de Champagne). Le fils du roi (Chausson).  
 8.35—"Falstaff" (Verdi) (Recorded); at 9.5-9.15—News; and at 9.55-10.5—Sports Notes.  
 10.45—News (German, English).

## BUDAPEST

- 546 kc/s (549.5 m.); 120 kW. Transmits at intervals from 6.45 a.m.  
 12.5 p.m.—Magda Vásárhelyi (Pfte.) and Zsigmond Mezey (Songs); at 12.30—News.  
 1.30—Orchestra.  
 2.35—News.  
 4.15—For Schools.  
 5.0—Dr. Tibor Gerevich.  
 5.30—Pertis Cigány Band.  
 6.20—Sports.  
 6.30—"Lili"—Operetta (Hervé) (Recorded).  
 8.30—News.  
 8.50—Angyal Dance Band.  
 9.45—Symphony Concert. Opera Orchestra. Conductor: Dohnányi. Péter Szervánsky (Violin), Pál Hütter ('Cello). Violin and 'Cello Concerto (Brahms). Symphony in B flat (Schumann).  
 11.0—News (English, French).  
 11.10—Gounod Records.  
 12.5 a.m. (Saturday)—News.

## COLOGNE

- 658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 6.0 a.m.  
 12.0 noon—See Saarbrücken.  
 2.0 p.m.—News; Light Music.  
 3.0—Fairy-tale; Economics.  
 4.0—Station Orchestra; Pfte.  
 5.0—"Light Freights"—Play (Thierbach).  
 6.0—Chopin Pfte. Recital by Astrid Schmidt-Neuhaas. Nocturne in E. Etude in C sharp minor. Etude in F. Nocturne in E flat. Six Preludes.  
 6.30—Sports Talk.  
 6.50—Snapshots; News.  
 7.10—Light and Dance Music—Orchestra, Instrumental Quartet, Marlen Bertram (Soprano), Kirsch (Baritone).  
 9.0—Young Aviators at Work—Word Pictures.  
 10.0—News.  
 10.15—Records of Famous Dance Bands.  
 11.0—Krefeld Chamber Orchestra. Conductor: Richter-Reichhelm. Rettner and Beyer (Violins). Overture, "Fidelio" (Beethoven). Concerto in D minor for Two Violins and Strings (Bach). Prelude and Death of Isolde, "Tristan and Isolde" (Wagner). Slav March (Tchaikovsky).  
 12.0 m't.—3.0 a.m. (Saturday)—See Königsberg.

## DEUTSCHLANDSENDER

- 191 kc/s (1,571 m.); 60 kW. Transmits at intervals from 5.0 a.m.  
 12.0 noon—See Hamburg.  
 1.45 p.m.—News.  
 2.0—Jäger Band and Records.  
 3.0—Markets; Children's Choir.

- 3.35—For Girls; Programmes.  
 4.0—See Leipzig; at 5.0-5.10—Topical Talk.  
 6.0—Annemarie Heyne (Pfte.). Papillons (Schumann). Scherzo in E flat minor (Brahms); Records.  
 6.40—Report: The NSV Mobile Dental Clinics.  
 7.0—Motto; News.  
 7.10—See Munich.  
 8.10—Topical Events.  
 8.20—"Serenade to Night"—Michalek and Elbern Bands, Margit Heikel and Georg Guf.  
 9.0—"His Wife the Secretary"—Comedy (Reichardt) (Recorded).  
 10.0—News; Sports Notes.  
 10.20—Topical Events; Report on the Cycle Tour of Germany: Freiburg-Stuttgart.  
 10.30—Flute Sonata (Brunner).  
 11.0—Music from Frankfurt.  
 12.0 m't.—2.0 a.m. (Saturday)—See Königsberg. In the interval, Report on the NSKK Motor Sports.

## FRANKFURT

- 1,195 kc/s (251 m.); 25 kW. Cassel, etc. See Sunday. Transmits at intervals from 5.0 a.m.  
 12.0 noon—See Saarbrücken.  
 2.0 p.m.—Time; News.  
 2.10—Records: "Undine" (Lortzing).  
 3.0-3.30—Liszt and Chopin Pfte. Recital.  
 4.0—Constance Theatre Orchestra; The Roving Microphone.  
 6.0—Topical Talks; Records.  
 7.0—Time; News.  
 7.10—Light Music—Station Orchestra, Tenor, etc.  
 8.30—Gounod Opera Records.  
 9.0—"Der Zauberbaum" (Gluck). Conductor: Frickhoffer.  
 10.0—Time; News; Sports Report.  
 10.15—Report from Danzig: The Cycle Tour of Germany.  
 10.30—Light and Dance Music—Orchestra, Cinema Organ.  
 12.0 m't.—3.0 a.m. (Saturday)—Serenade on Records. Part I: Operetta Music, Part II: Pfützer Music. Part III: von Gecky Band.

## HAMBURG

- 904 kc/s (331.9 m.); 100 kW. Bremen, etc. See Sunday. Transmits at intervals from 5.45 a.m.  
 12.0 noon—Wind Band; Bremen Stadtmusikanten.  
 2.0 p.m.—News.  
 2.15—Light Music.  
 3.0—Shipping; Markets; Records.  
 4.0—Station Orchestra, Soprano, Tenor, Pfte. Duo and Topical Talks.  
 6.0—For Children.  
 6.10—Moja Petrikowski (Contralto), Hattenbach (Pfte.). Songs (Ritter). Pfte. Pieces (R. Strauss). Songs (Ritter).  
 6.45—Weather; Shipping; News.  
 7.10—See Munich.  
 8.10—Waltzes from Leipzig.  
 10.0—News.  
 10.30—See Leipzig.  
 12.0 m't.—3.0 a.m. (Saturday)—See Königsberg.

## HILVERSUM (No. 1)

- 160 kc/s (1,875 m.); 10 kW until 8.40 p.m.; 150 kW from 8.40 p.m. Also on Jaarsveld, 722 kc/s (415.4 m.); 17 kW.  
 NCRV Programme.  
 7.40 a.m.—Bible Reading; Meditation.  
 7.55—Records; at 9.10—Greetings.  
 10.10—Religious Address; Records.  
 10.55—Preuyt ('Cello) and Rodenhuis (Pfte.); Records.  
 11.40—Police Messages; Records.  
 12.10 p.m.—Van der Horst Ensemble; Records.  
 2.10—Religious Address.  
 2.40—Mme. A. Brederode-Bettink (Soprano), Brederode (Violin), Hoog (Pfte.). Sonata in E minor (Corelli). Arias (Gordigiani, Gluck). Sonata in G (Bach). Arias (Bach, Mozart). Sonata in B flat (Mozart). Four Gipsy Songs (Dvořák). Records in the interval.  
 4.10—Records.  
 4.40—Sonora Quintet; Records.  
 6.10—For Gardeners.  
 6.40—Police Messages; Church Notes.  
 6.55—Literary Talk.  
 7.25—News; S O S Messages.  
 7.40—Mass in B minor (Bach). Utrecht Municipal Orchestra and the Netherlands Bach Society's Choir. Conductor: v. d. Horst. Jo Vincent (Soprano), Suze Luger (Contralto), Walter (Tenor), Kloos and Willink (Bass), etc.  
 9.55—Press Review; Records.  
 10.25—Sports Talk; Records.  
 11.30-11.40—Bible Reading.

HILVERSUM (No. 2)

995 kc/s (301.5 m.); 10 kW until 8.40 p.m.; 60 kW from 8.40 p.m.
7.40 a.m.—VARA Programme: Records.
9.40—VPRO Service.
10.0-11.40—VARA Programme.
10.0—Recitations; Records.
11.10—Steyn (Organ).
11.40 a.m.—3.40 p.m.—AVRO Programme.
11.40—Time; Records.
12.10 p.m.—Kovacs Lajos Orchestra; at 12.55-1.25—Records.
2.10—Talk.
2.40—Light Music.
3.40-7.10—VARA Programme.
3.40—Records.
4.40—For Children.
5.10—Records.
5.40—Rambler's Dance Band.
6.10—Political Review.
6.30—Jong (Organ).
6.40—For Farmers.
7.0—News.
7.10-8.40—VPRO Programme.
7.10—Church Notes.
7.15—Religious Address.
7.40—Sonata in D (Schäfer) by Noske (Violin) and Mme Noske-Friedländer (Pfte.).
8.10—Religious Address.
8.40-10.20—VARA Programme.
8.40—Lehár and Kálmán Music—VARA Orchestra. Conductor: Höfler. Overture, "Gipsy Love" (Lehár). Gold and Silver (Lehár). Come Gipsy (Kálmán). Selection, "The Bayadere" (Kálmán). March of the Robbers (Lehár). Selection, "Schön ist die Welt" (Lehár). Zwei Märchenaugen (Kálmán). Weibermarsch (Lehár).
9.40—Excerpts, "Axel an Himmels-tür" (Benatzky). Esther Philippe (Soprano), Hofman (Tenor), Wins and Jong (Pftes.).
10.10—News.
10.20—VPRO Religious Programme.
10.40-11.40—VARA Programme.
10.40—Esmeralda Septet.
11.10-11.40—Dance Records.

LEIPZIG

785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.).
Transmits at intervals from 5.50 a.m.
12.0 noon—Band and Choir.
1.0 p.m.—Time; News.
1.15—Orchestra from Saarbrücken.
2.0—News; Records; Reading.
4.0—Leipzig Symphony Orchestra, Conductor: Blumer; Herbert Anton (Bassoon); at 5.0-5.10—Markets.
6.0—Talk: Architecture.
6.20—Lersch—Sequence with Music.
6.50—Evening Review; News.
7.10—Dance Records.



Mme. Jo Vincent, one of the singers in Bach's Mass in B minor which is to be broadcast from Hilversum (No. 1) at 7.40 p.m.

8.0 (from Dresden)—Waltzes of the Nations—Station Orchestra, Soprano, Pfte. Invitation to the Dance (Weber). Valse triste (Sibelius). Two Waltzes (Grieg). Waltz (Hallström). Folk-Dances (Juel - Frederiksen). Waltzes (Chopin, Tchaikovsky, Dvořák). Kaiserwalzer (Strauss). Tales from the Vienna Woods (Strauss). Dorfschwalben aus Oesterreich (Strauss). Waltzes, "Macheth" (Verdi). Two Waltzes (Arditi). Spanish Dance (Fallala). La valse (Ravel). Valse brillante (Englemann). Waltz, "Der Rosenkavalier" (Strauss).
10.0—News; Nazi Publications.
10.30—Dance and Light Music—Fricke Band, etc.
12.0 m't.—3.0 a.m. (Saturday) — See Königsberg.

LILLE (Radio PTT Nord)

1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.30 a.m.
7.0 p.m.—Records.
7.30—News.
8.0—"Pévéle and Lille"—Dialect Programme.
8.30—"Hérodiade" (Massenet) from Rouen. In the interval, Talk. After the Opera, News.

LYONS (PTT)

648 kc/s (463 m.); 100 kW. Transmits at intervals from 6.30 a.m.
8.30 p.m.—Chanteurs de Lyon. Conductor: Bourmauck. Sacred and Secular Music (Steinberg, Josquin des Prés, Jannequin, Da Vittoria, Poulenc, Debussy, Ravel).
9.30—Records.
10.30 - 11.0 — News (French, German).

MONTE CENERI

1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 12.0 noon.
7.50 p.m.—News.
8.0—Emmy Born (Violin); Herschel (Pfte.). Sonata (Leclair). Two Pieces, "My Country" (Smetana). Scherzo-Tarantella (Wieniawski).
8.35—Talk: The Ticino.
8.50-10.10—See Sottens.

MOSCOW

172 kc/s (1,744 m.); 500 kW. 12.30 p.m.—Talks (Italian, Dutch).
5.30—An Opera.
9.30—News; Kremlin Chimes.
10.5—Talks (English, French).
12.0 m't.—Talks in Spanish.

MUNICH

740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.).
Transmits at intervals from 6.0 a.m.
12.0 noon—See Saarbrücken.

1.0 p.m.—Time; News; Records.
2.0—News; Exchange.
2.15—See Hamburg.
3.0-3.15—Reading.
3.40—Fairy-Tale (Godin).
4.0 (from Nürnberg). Chamber Music. Chaconne (Marteau). Songs (Schubert). Quartet (Schubert).
4.40—Readings: Moltke and Bismarck Letters.
5.0—Time; Weather; Markets.
5.10—Station Orchestra, with Idyll (Brink).
6.50—Programme for the Bavarian East Mark Culture Week.
7.0—Time; News.
7.10—Cabaret—Marita Gründgens and Fred Kurt (Songs), etc.
8.10—German Music from Starnberg. Station Orchestra, Solo Voices and Horn. Conductor: Winter. Dance Fantasia (von Franckenstein). Horn Concerto (R. Strauss). Songs (Wolf, R. Strauss). Overture, "Susanna's Secret" (Wolf-Ferrari). Songs (Wolf). Hanseatic Suite (Scheffler). Songs (Pfitzner). Don Juan (R. Strauss).
10.0—News; For Falt-boaters.
10.30—See Frankfurt.
12.0 m't.—3.0 a.m. (Saturday)— See Königsberg.

NAPLES GROUP

Naples (No. 1), 1,104 kc/s (271.7 m.); 10 kW. Florence (No. 1), etc. See Sunday.
Transmits at intervals from 7.45 a.m.
7.0 p.m.—Music; Topical Talk.
7.20—Lanfranchi Orchestra.
8.0—Time; News.
8.30—One-Act Play (Goetz).
9.0—Pfte. and Tenor. Pfte.: Liebeslied (Kreisler). Tenor: (a) Villanella (Falconieri), (b) Quel ruscelletto (Paradies), (c) Danza, Danza (Durante). Pfte. Concerto in G (Vivaldi). Tenor: (a) Song (Bianchini), (b) El majao discreto (Granados), (c) O primavera (Tirindelli). Pfte.: Asturia (Albeniz).
10.0 (approx.)—Dance Music.
11.0-11.55—News; Dance Music.

OSLO

260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday.
Transmits at intervals from 10.30 a.m.
6.45 p.m.—News; For Farmers.
7.30—Accordion Trio; Reading.
8.10—Bergen Radio Orchestra. Conductor: Johannessen.
8.45—Talk.
9.5—A Musical Tour of Japan—Viller Ensemble. Wedding Dance (Yoshitomo). Sous la fumée d'opium (Fontelle). In the Tea-House of a Hundred Steps (Yoshitomo). Japanese Carnival (de Basque). Japanese Lantern Dance (Yoshitomo). Ke-Sa-Ko (Chapuis).
9.40—Weather; News; Topical.
10.15-10.45—Sonata in A (Brahms) by Kari Aarvold Glaser (Pfte.) and Ernst Glaser (Violin).

PARIS (Eiffel Tower)

1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 6.30 a.m.
3.30 p.m.—"La cause de Jean Grabski" — Three-Act Play (Haliez).
5.0—Septet Concert from Bordeaux-Lafayette.
5.45—Gounod Songs and Pfte. Music from Lyons (PTT).
6.30—Talks.
7.0—Marguerite Sylvine (Songs).
7.15—Mlle Zurluh-Tenroc (Pfte.). An Old Church at Logrona (Turina). Für Elise (Beethoven). Dance in C minor (Granados). Pastoral (Scott).
7.30—News; Time.
8.0—Poetry—Robert Honnert and Madeleine Milhaud.
8.30—Part I: "Great Musical and Literary Epochs," presented by René Dumesnil — Soirées in the Château de Sceaux — Music conducted by Raugel. Literary arrangement by Paul Castan. Excerpts from "Le Glorieux" — Play (Destouches, 1732); Part II: "La quinzaine sonore" — Fantasy (P. and R. Constantin-Brive) by the Station Dramatic Troupe.
10.30—Records.
11.0-11.15—News.

PARIS (Poste Parisien)

959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m.
5.0 p.m.—Cabaret.
6.0—News; Exchange; Talk.
6.15-6.35—Russian Records.
6.50—Talk; Racing; Record.

FRIDAY (June 17)

7.5—Sports; Amusement Guide.
7.13—Topical Talk; Records.
7.50—Excerpts, "Les Dragons de Villars" (Maillart).
8.0—Topical.
8.10—"La Clef des Songs" (Arnaud-Desnos).
8.25—Programme presented by Robert Desnos.
8.40—"La bonne histoire."
9.0—Gala Concert.
11.0—News.

PARIS (PTT)

695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.30 a.m.
4.0 p.m.—Mady Hardy (Pfte.).
4.15—Reading (Duvernois).
4.30—Singing Lesson.
5.0—Locatelli Orchestra. Overture, "Djamileh" (Bizet). Pièces enfantines (Rubert). Waltz, Rose d'or (Gingold). Serenata (Mozzkowski). Evocation champêtre (Steck). Extase (Ganne). Slav Dance. (Dvořák). Selection, "Faust" (Gounod). Petite Suite de Concert (Coleridge-Taylor).
6.0—Educational.
6.30—Nonets (Spohr, Krejci), by the Cesky Nonet.
7.0—Radio Journal.
8.0—Talk by Gustave Samazeuilh: Wagner and French Opera.
8.30 (also Marseilles (PTT) and Alpes-Grenoble (PTT)) — Symphony Concert. National Orchestra. Conductors: Inghelbrecht and Casella. Lévy (Cello). Fourth Symphony (Brahms). Krishna (Déré). Cello Concerto (Casella). La Giara (Casella).
10.30—News; Messenger and Hahn Records.
11.0—"Le foyer"—Play (Mirbeau-Natanson), from the People's Theatre.

PARIS (Radio-Paris)

182 kc/s (1,648 m.); 80 kW.
6.28 a.m.—Programmes; Records.
6.40—News; Gym; Records.
7.15—News; Gym; Records.
8.0-8.35—News; Records.
9.45—Programme Notes; Records.
10.45—Reading (Cami).
11.0—Records: Jupiter Symphony (Mozart), by the Vienna Philharmonic, Conductor: Bruno Walter.
11.30—Marie Simon (Songs).
11.45—Exchange; Water Level.
12.0 noon—Industrial Review; Records.
12.45 p.m.—Light Music.
1.0—Time; News; Exchange.
1.30—Robert Laurence (Songs).
1.45—Haydn, Mozart, and Mahler Records.
2.0—Programmes; Talk; Review.
2.30—Exchange.
2.45—Raymonde Astor (Songs).
3.0—Broos (Viola).
3.15—Talks; Humour; Exchange.
4.0—Talk: Franc-Nohain's Fables.
4.15—Andrée Fontaine (Songs).
4.30—Talks; Exchange.
5.0—Casadesus Trio and Marcelle Gérard (Songs). Trio (Bach). Song: An die ferne Geliebte (Beethoven). Violin: (a) Poème (Chausson), (b) Allegretto (Boccherini-Kreisler) (Songs (Fauré, Ropartz). Sonata (Fauré).
6.0—Educational.
6.30—Racing; For Women.
6.50—Literary Review; Programmes.
7.0—Educational.
7.30—Talk: Leprosy.
7.45—Employers' Federation Notes.
7.59—Time; Home Affairs.
8.8—Foreign Affairs.
8.15—Mona Péchenard (Songs).
8.30—"Le roi soleil"—Three-Act Play (de Bouhélier), from the Odéon; at 9.30 (approx.)—News; Press Review; For Ex-Service-men.
10.30—Roussel Records. Invocation. Jazz dans la nuit. Joueurs de flûte.
10.45—Time; News.
11.0—Concert—Orchestra and Raugel Choir, Conductor: René-Baton. Lise Daniels, Marie Simon and Germaine Cemay. Songs. Ode à la musique (Chabrier). "La damoiselle étuc" (Debussy). "La Salamite" (Chabrier). Suite, Salambo (Fl. Schmitt).
12.30 a.m. (Saturday)—Programmes.

PRAGUE

638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 6.0 a.m.
5.15 p.m.—17th and 18th Century Chamber Music from the Czernin Palace. The "Collegium prate antique"; Czech Madrigal Singers, Conductor: Spidra;

Kredba (Harpischord); Julie Nesy-Bícherová and A. Pečirková (Sopranos). Sacred Odes (Vodnansky). Odes (Tramovsky). Song (Sixtus). Harpischord: (a) Air with Variations (Ebner), (b) Parthia (Paus), (c) Excerpts from a Suite (Roffeld). Aria, "Jarméřice" (Miča). Duet, "Operosa temi colossi moles" (Miča); "Didymna credulitas Thomae"; Cantata (Augustus).
6.0—News (Russian); Markets.
6.20—FOC Orchestra.
7.0—Time; News; For Sokols.
7.35—Station Orchestra. Conductor: Parik; Daniel and Zika (Violins). Overture, Le carnaval romain (Berlioz). Concerto in B minor for Two Violins (Spohr). Suite, "A Midsummer Night's Dream" (Mendelssohn).
8.30—"Their Luck" — Comedy (Hilbert, arr. Hora).
9.55—News; Sports; Records.
10.30-11.0 — String Quartet (Mozes) by the Ondricek Quartet.

RADIO EIREANN

565 kc/s (531 m.); 100 kW. Dublin, etc. See Sunday.
1.30 p.m.—Records.
2.30-3.0—For Schools.
5.30—Ceilidhe Band.
6.0—Cookery Talk.
6.15—Opera Records.
6.35—Irish News Feature.
6.45—News.
7.0—Donizetti Music—Irish Radio Orchestra and Violet Pearson.
8.0—"I liked this Book," by Father Edmund, C.P.
8.15—Western Tunes and their Story, by Henry Franklin.
8.45—Violin and Pfte. Music by Ettie Mann and Nell Ronan.
9.5—Dinnsheanchas Beara by D. O'Briain.
9.20—Light Classical Music—Hilda Shea (Pfte.).
9.30—Variety.
10.30—News; National Anthem.

RADIO-NORMANDIE

1,411 kc/s (212.6 m.); 15 kW.
7.10 a.m.—Call.
7.15—Press Review; News.
7.45—Physical Exercises.
8.0—Music in the Morning.
8.15—Time; Browning and Starr.
8.30—Donald Watt.
8.45—The Glories of Britain, No. 14—East Anglia.
9.0—Time; Round the World.
9.15—Hill Billies.
9.30—Radio Favourites.
9.45—Popular Music.
10.0—Time; A Refreshing Programme.
10.15—Dream Waltzes.
10.30—Songs and Music from Stage and Screen.
10.45—Light Music.
11.0—Time; Something for Everybody.
11.30—Orchestra.
12.0 noon—Light Music.
12.30—News.
12.40—Talk by M. De Chappelle-Delaine.
1.0—Light Music.
2.0—Variety.
2.15—Songs and Melody with Arthur Young and Wilfrid Thomas.
2.30—The Songs we know them by.
2.45—Traditional Airs.
3.0—Do you remember?
3.30—The Musical Mirror.
3.45—The Pleasant Quarter-Hour.
4.0—Friday at Four.
4.15—What's on.
4.30—Fun of the Fair.
4.45—Normandie Playbill.
5.0—Time; Musical Magazine.
5.15—For Boys and Girls.
5.30—Request Music.
5.45—Band Rhythm.
6.0—Children's Corner.
6.45—Talk; News; Racing.
7.0—Songs.
7.30—News.
7.45—Alexander Accordion Band.
8.0—Records of Charles Trenet.
8.20—Records of Charpini and Brancato.
8.40—Variety.
9.0—Concert.
11.0—Café Concert.
12.0 m't.—Melody at Midnight.
12.30-2.0 a.m. (Saturday)—Time; Dance Music; at 1.0 and 1.30—Time.

RENNES-BRETAGNE

1,040 kc/s (288.5 m.); 120 kW. Transmits at intervals from 6.30 a.m.
8.0 p.m.—See Strasbourg. After the Programme, News; Music.

## FRIDAY (June 17)

## ROME GROUP

Rome (No. 1), 713 kc/s (420.8 m.); 120 kW. Bari (No. 1), etc. See Sunday.  
Transmits at intervals from 7.45 a.m. 5.0 p.m.—News.  
5.15-5.55—Haydee Spagnoli (Soprano); Bruno Vitali (Cello). Songs (Bemberg, Respighi). Cello Sonata (Hindemith). Minuet (Debussy). Songs (Mompigliano, Saint-Saens).  
6.50—News from Brazil.  
7.0-7.20—Talk in Dutch.  
7.30—Records; Light Music.  
8.0—Time; News; Music.  
8.30 (Palermo and Naples (No. 2) only)—Light Music.  
9.0-10.40—Italo-German Exchange.  
9.10—Part I: Concert from Rome Conservatoire. Introductory Talk by Giuseppe Mulè. Piece for Organ. Largo for Cello and Pftc. (Boccherini). Sonata in F (Scarlatti). Sonata in A (Scarlatti). Baritone: (a) Vergin tutt' amor (Durante), (b) Già il sole del Gange (Scarlatti). Bass: Plaisir d'amour (Martini). Violin Concerto in A minor (Viotti).  
9.55—Part II: Concert from Berlin Conservatoire. Introductory Talk by Prof. Bruno Kittel. Overture, "Prometheus" (Beethoven). Concerto for four Claviers (Bach). Symphony in E flat (Schubert). In the interval. Talk.  
10.40—Choir. Omnes gentes plaudite manibus (Casini). Vox dilecti mei (Palestrina). Estote fortes in bello (Marenzio). Vezzosa augelli (Marenzio). Lauda di Jacopone da Todì (Ghedini). Medieval Song (Mulè). Battaglia (Liuzzi).  
11.0—News.  
11.15-11.55—Dance Music.

## SAARBRÜCKEN

1,249 kc/s (240.2 m.); 17 kW. Relayed by Kaiserslautern, 1,429 kc/s (209.9 m.).  
Transmits at intervals from 6.0 a.m. 12.0 noon—Station Orchestra.  
2.0 p.m.—News.  
2.15—See Berlin.  
3.0-3.30—Reading.

## SATURDAY June 18

## National

For Time Signals, see Monday.  
10.15 a.m. (D)—Service.  
10.30 (D)—Weather Forecast.  
10.45—"Christmas Island;" Francis Harmer.  
11.0—Records.  
11.45—Sydney Gustard (Cinema Organ).  
12.30 p.m.—Records.  
1.0—New Coventry Hippodrome Orchestra.  
2.0—Records.  
2.30—English Folk Songs.  
3.0—Athletics—The Kinraid Trophy, from Chiswick Stadium.  
3.40—Enfield Central Band; Philip Bertram (Baritone).  
4.40—Serial Reading: "Mrs. Proudie and her Times."  
5.0—Billy Cotton's Band.  
6.0—The First News.  
6.30—Saturday talk on Sport.  
6.45—BBC Theatre Orchestra.  
7.30—In Town Tonight.  
8.0—Music-Hall, with Issy Bonn, Radcliffe and Rodgers, Fred Miller and Millie Deane, The Two Leslies, The Duncan Sisters, BBC Variety Orchestra conducted by Charles Shadwell.  
9.0—The Third News.  
9.20—American Commentary.  
9.35—BBC Orchestra.  
10.30—Early German Sacred Music: Yves Tinayre (Tenor); Joseph Slater (Flute); Helen Gaskell (Oboe); Frederick Grinke (Violin); Zara Nelson (Cello).  
11.0—Ambrose's Orchestra.  
11.50-12.0—Late News Summary.

## London Regional

For Time Signals, see Monday.  
10.15-10.45 a.m.—National.  
10.45—Charles Ermesco's Quintet with Webster Booth.  
11.15—BBC Northern Orchestra: Margaret Collier (Soprano).  
12.15 p.m.—Jane Dawkins (Pfte.).  
12.40—"Mountain Madness," short story.  
1.0—The Lyra Quartet.  
1.45—"Exiled in London;" Charles G. Simpson.

4.0—Danzig Orchestra and Band.  
6.0—Songs and Music; Talk.  
7.0—Time; News; Music.  
7.30—Topical Talks.  
8.0—Franco-German Evening—Opera Music from the Wartburg—French Folk Ensembles; Station Orchestra; Elisabeth Reichelt (Coloratura-Soprano), Coby Wackers (Soprano), Groh (Tenor) and Schneider (Bass-Baritone).  
10.0—Time; News; Talk.  
10.30—See Leipzig.  
12.0 m't.—3.0 a.m. (Saturday)—See Königsberg.

## SOTTENS

677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.).  
12.29 p.m.—Time; News; Records.  
1.0—Engel Dance Band.  
1.30-1.45—Records.  
5.0-6.0—See Beromünster.  
6.15—Talk; Sports Review.  
6.40 (from Geneva)—For Alpinists.  
6.50—Weekly Parliamentary Review.  
7.5 (from Geneva)—Football Notes.  
7.15 (from Geneva)—Micro-Magazine.  
7.50—News.  
8.0—Weekly Financial Review.  
8.20—Landwehr Band.  
8.35—Women's Choir.  
8.50—Readings.  
9.5—Landwehr Band.  
9.25—Women's Choir.  
9.40—League of Nations Report.  
10.10-11.0—Records.

## STOCKHOLM

704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday.  
Transmits at intervals from 7.20 a.m. 5.5 p.m.—Song Trio.  
5.25 (from Göteborg)—Report: The Departure of the "Kungsholm" for the Tercentenary Celebrations of the First Scandinavian Colony in Delaware, U.S.A.  
5.50—Records.  
7.0—News.  
7.30—Old Music by Skoglöf (Flute) and an Orchestra. Conductor: Hellman. Introductory Talk by Gösta Morin. Overture (J. C. Bach, arr. Svensson). Flute Con-

certo in D (Pergolesi, arr. Svensson). Symphony in D minor (Schmitt, arr. Svensson).

8.15—Reading.  
8.45—Septiman Orchestra. "Herou (Songs).  
9.40—Report: Swedish Travel Routes.  
10.0—News.  
10.15-11.0 (from Göteborg)—Liseberg Orchestra. Conductor: Mayrhauser. Overture, Bagatelle (Rixner). Waltz (Rust). Lu Chang Fu (Mayrhauser). Pot-pourri (Léhar).  
11.15—Light Music.  
12.0 m't.—3.0 a.m. (Saturday)—See Königsberg.

## STRASBOURG

859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m. 5.15 p.m.—Orchestra. Conductor: de Villers, Norwegian Rhapsody (Lalo). Ballet, "Le roi de Lahore" (Massenet). Six Impressions (Gabriel-Marie).  
6.0—Talks.—See Paris (PTT).  
7.0—News.  
7.30—Records.  
7.45—News (German).  
7.55—Talk on the 8.0—Programme.  
8.0 (also Rennes-Bretagne and Nice Côte d'Azur)—"Salammo" (Reyer), from the Opéra, Paris, with Germaine Lubin singing the Title Role. Conductor: Ruhlmann. After the Opera, News in French and German.

## STUTTGART

574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.45 a.m. 12.0 noon—See Saarbrücken.  
2.0-3.0 p.m.—Records.  
4.0—Records; Open-Air Concert from Karlsruhe.  
6.0—A Visit to the Karlsruhe Zoo.  
6.30—Topical Talks.  
7.0—News; Cultural Calendar; Echoes of the Reich Theatre Festival Week.  
7.15—Operetta Records.  
8.0—"Pictures from a Soldier's Life"—Sequence (Stauder).  
9.0—Excerpts from the Hitler Youth Beethoven Festival at Wildbad—Elly Ney Trio. Trios in C minor and D major.  
10.0—Time; News; Sports.  
10.30—Light and Dance Music—Station Orchestra, Brandle Quintet, Klein (Organ).  
12.0 m't.—3.0 a.m. (Saturday)—See Frankfurt.

9.50—The Keld Sports: Richard Sharp.  
10.0-12.0—Regional.

## Western

10.45 a.m.—6.0 p.m.—National.  
6.0—Regional.  
6.35—Victorian Vignette, with Winifred Davey, Glyn Eastman, Tom Purvis and Thea Wells.  
7.20—Western Announcements.  
7.30—Regional.  
8.20—Records.  
9.0—Serial Reading: "Mrs. Proudie and her Times."  
9.20-10.30—Regional.

## Welsh

10.15 a.m.—5.0 p.m.—Regional.  
5.0—The Children's Hour.  
6.0—BBC Welsh Orchestra.  
6.35—Regional.  
7.0—Summer Sport.  
7.20—Welsh Announcements.  
7.30—Welsh News.  
7.45—Melodies of Wales.  
7.55—Around and About: C. G. O. Wakeford.  
8.20—Regional.  
9.20—Lyn Joshua, Mai Jones and Tom Bryant (Harp).  
9.45—Emrys Edwards (Pfte.).  
10.0-12.0—Regional.

## N. Ireland

10.15 a.m.—3.15 p.m.—Regional.  
3.15—Ulster Amateur Flute Band: Queen Mary Accordion Band: William Carson (Baritone).  
4.0—Regional.  
5.0—The Children's Hour.  
6.0—Regional.  
7.20—N. Ireland News.  
7.30—Regional.  
9.20—Philip Whiteway Ensemble.  
9.45—Golf: Review of tour of Ladies' South African Team in N. Ireland.  
10.0-12.0—Regional.

## Scottish

10.15 a.m.—5.0 p.m.—Regional.  
5.0—The Children's Hour.  
6.0—First News.  
6.30—Scottish Studio Orchestra.  
6.45—Selkirk Common Riding.  
7.20—Scottish Announcements.  
7.30—Scottish Dance Music.  
8.0—"The Week in Scotland;" Colin Milne.  
8.20-12.0—Regional.

## TOULOUSE (Radio-Toulouse)

913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.0 a.m. 6.0 p.m.—News.  
6.15—Chansonnettes.  
6.40—Marches and Soldier Songs.  
6.55—News; Sports.  
7.15—Film Music.  
7.45—Light Music; News.  
8.0—Light Music; Talk.  
8.30—Operetta Songs, "Normandie" (Misraki), "Les joies du capitole" (Moretti), and "Les Gangsters du Château d'Iff" (Scotto).  
8.45—Orchestra; Talk.  
9.15—Excerpts, "Katinka" (Lajtai).  
9.30—Argentine Cabaret.  
10.0—News.  
10.15—Toi et moi—Fantasy.  
10.35—Rumbas; Songs.  
11.0—Bal Champêtre.  
11.15—Light Music.  
11.45—Dance Music.  
12.0 m't.—News.

## TURIN GROUP

Turin (No. 1), 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday.  
Transmits at intervals from 7.45 a.m. 5.0 p.m.—News.  
5.15-5.50—Giulio Riccardi (Violin). Sonata in D minor (Corelli). Theme with Variations (Perosi). Serenade (d'Ambrosio). Spanish Dance (Fallá).  
7.19 (Rome (No. 2) only)—News in English.  
7.30-8.30—See Rome Group.  
8.30—Records: Light Music; at 8.36 (Milan (No. 1), Rome (No. 2) and Bolzano)—News and Italian Lesson in German.  
9.0—"A te voglio tornar" (Ranzato). Conductor: Malatesta. In the interval, Talk.  
10.30 (approx.)—Dance Music.  
11.0—News.  
11.15-11.50—Dance Music.

## VIENNA

592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday.  
Transmits at intervals from 6.0 a.m. 12.0 noon—Orchestra, Violin.  
1.0 p.m.—News.  
1.15—Station Orchestra.  
2.0—News.  
2.10—Wagner Opera Music (Bayreuth Festival Recordings).

Hours of Transmission in British Summer Time.

## BERLIN

841 kc/s (356.7 m.); 100 kW. 6.0 a.m.—Motto; Weather; Gym.  
6.30—Glahé Band; at 7.0—News.  
8.0—Gym; Records.  
8.30—See Königsberg.  
9.30—Concert on Records.  
10.0—Play (Liszt).  
10.30-10.45—Weather; Markets.  
11.40—Talk: Teaching Mistakes.  
11.55—Weather; Greetings.  
12.0 noon-2.0 p.m.—See Vienna; at 1.0—Midday Echoes.  
2.0—News; Records.  
3.15—Exchange; Markets.  
3.30—"Down in the Forest"—Songs and Music by Girls.  
3.45—Report: Preparations for the German Trotting Derby.  
4.0—See Cologne.  
6.0—Rauc Band. Weaner Madln (Ziehrer). Tanzende Marionetten (Walther). Selection, "Gri-Gri" (Lincke). Salut d'amour (Elgar). Clownerie (Dransmann). Waltz (Faldhaugen) (Grieg). Mazurka (Pogorelov). Poppies (Moret). In the Tavern (Nicodé).  
7.0—News; Announcements.  
7.10—Sir Thomas Becham conducts (Records); Overture, "La scala di seta" (Rossini). Overture, Carnival roman (Berlioz). Legend and Slav Rhapsody (Dvořák).  
7.45—Evening Echoes.  
8.0—Old Army Marches—Wind Band, Conductor: Magnor.  
9.0—Waltzes—Station Orchestra. Conductor: Kähler.  
10.0—News; Sports.  
10.30—Light and Dance Music—Raatzke and Rink Bands.  
2.0-3.0 a.m. (Sunday)—Music from Stuttgart.

## BEROMÜNSTER

556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.).  
6.15-6.35 a.m.—Gym.  
12.0 noon (from Berne)—Chamber Music Records.  
12.29 p.m.—Time; News.  
12.40—Records: Alpine Music.  
1.30—Parliamentary Review.  
1.45—Weekly Sound News.  
2.0-2.30—Books; Records.

3.0—News.  
3.30—Paganini Music arranged and played by Senta Benesch (Cello). Romance. Witches' Dance. Sonata. Moto perpetuo.  
4.0—Danzig Orchestra and Band; at 5.0-5.10—Talk: Amundsen.  
6.0—Songs and Music by Hitler Youth.  
6.30—Topical Report; News.  
7.10—Station Orchestra. Conductor: Sandauer. Schmied (Violin). Prelude, "Eva" (Léhar). Gipsy Patrol (Ranzato). Waltz Song (Weckerer). Song (Boll). Song, "Der Opernball" (Heuberger). Two Songs and Czardas (Léhar). Violin: Zigeunerweisen (Sarasate). Träume an der Donau (Stolz).  
8.0—Military Band.  
8.50—"Das tote Herz"—Play (Bauer).  
10.0—News.  
10.30—See Leipzig.  
12.0 m't.—3.0 a.m. (Saturday)—See Königsberg.

## WARSAW

224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday.  
Transmits at intervals from 6.15 a.m. 4.0 p.m. (from Łódź)—Light Orchestra. Conductor: Nagujewski. Selection, "The Circus Princess" (Kálmán). Melody (Tosti). March (Blon). Song of the Stars (Plank).  
4.45—Talk: Summer Diet.  
5.0—Dance Records; at 5.30—Programmes.  
6.0—Talk.  
6.10 (from Cracow)—Lapicka (Pfte.). Prelude and Fugue in E flat minor (Mozart). Gavotte in A flat minor (Sgambati). Fantasia and Fugue on the Name B.A.C.H. (Liszt). Valse impromptu (Liszt).  
6.45—Book Review.  
7.0—Six Children's Songs (Raczko) by Zwidryn.  
7.15—Topical Talk.  
7.25 (from Katowice)—Polish Music—Salon Orchestra. Conductor: Leszczynski, and Revellers' Choir.  
8.45—News; Topical.  
9.0—Farmers' Letter-box.  
9.10 (from Poznań)—"One dangerous concurrence" (Offenbach, arr. Trojanowska).  
9.50—Sports Review.  
10.0—Records: Old Music.  
10.0-11.15—News; Talk (English).

4.30—Folk Music—Blattner Accordion Band.  
5.0—See Monte Ceneri.  
6.0—Housing Discussion.  
6.10—Legal Talk for Workers.  
6.20—Talk: School Broadcasts.  
6.30 (from Basle)—Records: American Light Music.  
7.55 till Close—From Berne.  
7.55—Orchestral Records.  
8.15—Concert by the Swiss Choral Union of Paris. Conductor: Hornung.  
8.35—"Mir hei es Chind z'toufe" Five Sketches (Lerch).  
9.40—Folk Music—Yodel and Accordion Clubs.  
10.20—Dance Records.  
10.55—Announcements; Programmes.

## BRATISLAVA

1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 6.0 a.m. 4.10 p.m.—Light Music—Station Orchestra. Conductor: Dyk. Helena Slabejová, Blaho and Holubár (Songs).  
5.5—See Brno.  
5.35—Topical Review; Record.  
5.50—Cultural Review.  
6.0—Hungarian Transmission: Talk on Hungarian Choral Societies in Czechoslovakia; "The Return Home"—Play (Morvay).  
6.45—News in German.  
7.0-7.25—See Prague.  
7.25—See Brno.  
8.55—Talk.  
9.15-11.30—See Prague; at 10.15—News in Hungarian.

## BRESLAU

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz and Görlitz, 1,231 kc/s (243.7 m.).  
5.0 a.m.—Band. Conductor: Vallet.  
6.0—Weather; Gym; Motto.  
6.30—See Berlin; at 7.0-7.10—News.  
8.0—Weather Report.  
8.30—Band, Conductor: Vallet.  
9.30—Weather; Greetings.  
9.35—Kindergarten.  
10.0-10.30—A Tour of Silesian Battlesfields (arr. Wenzel and Spelsberg)—Station Male Voice Choir. Conductor: Rietz.  
11.30—Time; Weather; Water Level.  
11.45—For Housewives.  
12.0 noon—See Vienna.

1.0 p.m.—Time; News.  
 1.15—See Vienna.  
 2.0—News; Exchange.  
 2.15—Records: Light Music.  
 3.0—"Unsere Wiese"—Play for Girls (Irmtraut Hugin).  
 3.40—"Lightning!"—Instructive Talk.  
 3.50—Talk: Engineering.  
 4.0—See Cologne.  
 6.0—History Talk: Silesia.  
 6.20—Talk: Night-time at the Zoo; Records.  
 6.55—Programmes; News.  
 7.10 (from Gleiwitz)—Programme for Frontier Youth.  
 8.0 (from Gleiwitz)—"Let's be merry and bright!"—Variety. Orchestra. Conductor: Gielnik. Else Wolff (Soprano), Erdtmann (Tenor), Karl Leopold (Yodeller), Liebe (Cornet), Engel (Xylophone), Krönlein (Humorist), Paul Kreidt (Compère).  
 10.0—News; Interlude.  
 10.30 (from Gleiwitz)—Dance Music. Conductor: Gielnik.  
 12.0 m't.-3.0 a.m. (Sunday)—Serenade—Fierke Quintet; Military Band.

**BRNO**  
 922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 6.0 a.m.  
 2.10-3.0 p.m.—Light Music—Quintet, Bednár and Sindler (Songs), Knechtberger (Pfte.). In the intervals, Records.  
 4.5—See Prague.  
 4.10—See Bratislava.  
 5.5—Report from the Exhibition at Velké-Meziríčí.  
 5.35—Records.  
 5.45—Students' Choir.  
 6.0—German Transmission: Ritschel (Baritone); Marianne Spel (Pfte.).  
 6.35—Records.  
 6.45—News (German).  
 7.0-7.25—See Prague.  
 7.25—Something for Everybody—Orchestra, Jazz Band, etc.  
 8.55-11.30—See Prague.

**BRUSSELS (No. 1)**  
 620 kc/s (483.9 m.); 15 kW.  
 5.0-5.10 a.m.—Homing-Pigeon Notes.  
 6.30-9.5—Records; Gym; Homing-Pigeon Notes; News.  
 12.0 noon—Records: Light Music.  
 12.30 p.m.—Weather; Shipping.  
 12.35—Schnyders Orchestra; at 1.0—News.  
 1.30—Request Records.  
 2.0—Art Notes; For Women.  
 3.0—The Marceau Burton Musette Ensemble.  
 4.0—Belgian Pfte. Quartet. Quartet in E flat (Weber). Interlude: Poems (Emile and Antoni Deschamps), recited by Renée Beaufre, Quartet in F minor (Mendelssohn).  
 4.55—Announcements; Talk.  
 5.15—Paul Godwin Orchestra, the Taverne du Palace; at 5.30—Talk: The Trades of Tournai.  
 6.0—Talk: Tournai, a gay City.  
 6.15—Records of Dubois, Zimbalist and Menuhin.  
 6.30—Reading (Loti).  
 6.45—Mendelssohn Music by Georges Brouwers (Pfte.). Prelude and Fugue in E minor. Two Songs without Words.  
 7.0—Reviews; Interview.  
 7.15—Records: Popular Singers.  
 7.30—News.  
 8.0—Orchestral Records.  
 8.15—Concert from Tournai. Radio Orchestra. Conductor: Gason. I.N.R. Choir. Conductor: Weynandt. José Janson (Tenor), Delmarche (Baritone), Delcroix (Saxophone), Lombart (Xylophone), Fête Polonaise, "Le roi malgré lui" (Chabrier). Excerpts, Provençal Suite (Jongens), Baritone: (a) Paysage (Hahn), (b) Aria, "The Barber of Seville" (Rossini), Saxophone and Orchestra: Saxo-Rhapsody (Coates), Choir and Orchestra: Waltz, España (Waldteufel), Four Violins: Papillon (Rogister), Virginia (Haydn Wood).  
 9.15—A Stroll through Tournai.  
 9.30—Concert from Tournai (cont'd). Park Avenue (Malneck). Dancing Nights (Coates), Interlude by M. Poulot (Entertainer), Xylophone Solos. Tenor: (a) Etre à toi (Lauweryns), (b) Liebestraum (Liszt-Andolfi), (c) Songs, "The Land of Smiles" (Lehár), (d) Aria, "Tosca" (Puccini). Selection, "Gold Diggers of 1937" (Warren). Tournai Potpourri (Clockers).  
 10.30—News.  
 10.40-12.0 m't.—Records. Overture, "Mignon" (Thomas), Selection, "Mignon" (Thomas), Selection, "Louise" (Charpentier), Ballet, "Le Cid" (Massenet), Selection, "Viktoria and her Hussar" (Abraham).

**BRUSSELS (No. 2)**  
 932 kc/s (321.9 m.); 15 kW. Programme in Flemish.  
 6.30-9.5 a.m.—Records; Gym; News.  
 12.0 noon—Records: Songs of Many Lands.  
 12.31 p.m.—Light Orchestral. Conductor: Walpot; at 1.0—News; Shipping.  
 1.30—Records: Opreta Songs.  
 2.0—Lecture-Recital by René Lenaerts: Opera and Oratorio from the Sixteenth Century to the Present Day—The Baroque Style—Bach.  
 3.0—Salon Orchestra. Conductor: Féron. Mondalt (Cello), Marie-Jeanne Kreitz (Pfte.).  
 3.45—Jazz Records.  
 4.15—Salon Orchestra. Conductor: Féron.  
 4.40—Announcements; Reading (Capek).  
 5.0—"Summer and Sun"—Records.  
 5.30—For Women.  
 6.15—Joyce De Groote (Violin) and Madeleine Sury (Pfte.). Sonata in E flat (Mozart). Sonata in D minor (Brahms).



The tenor, José Janson, who sings in the Brussels No. 1 programme at 8.15 p.m.

6.45—Talk: The Rise and Decline of Great Empires.  
 7.0—Request Records.  
 7.30—News.  
 8.0—"In den Spijtigen Duivel"—Cabaret. Brenders Dance Band, Emmy Daelman, Renaat Grassin, Dries Neerman, Piet Bergers, Jan Stries (Accordion).  
 9.0—Light Music. Orchestra. Conductor: Walpot. Verbruggen (Siffleur), Ferrari (Songs), and Duquesne and Fern (Trumpet Duo). Stars and Stripes (Sousa). Siffleur: The Whistler and his Dog (Pryor), Mimile le costaud (De Radoux). Siffleur: Chinese Street Serenade (Siede). Song, Catari-Catari (Cardillo). Kom aan mijn hart Marietje (Theunisse). Siffleur: The Mill in the Black Forest (Eilenberg). Neapolitan Dance (Desormes). Un peu d'amour (Closset). Siffleur: Le chaland qui passe (Bixio). De laatste paardentram (Raasch). Trumpet Duo: Adam and Eve (Reynaud). Puppe und Kobold (Siede). Siffleur: Ciribiribin (Pestalozzi). La musique vient par ici (Theunisse).  
 10.0—News.  
 10.10—Light Orchestral (cont'd). The Soldier of Fortune (Alford). Siffleur: The Flute Player (Hadermann). Saxophone: Oodles of Noodles (Dorsay). Siffleur: Birds' Concert (Hadermann). Acros (Closset).  
 10.30—Flemish Song Records.  
 11.0-12.0 m't.—Concert from the Brasserie de l'Ancienne Belgique, Antwerp.

**BUCHAREST**  
 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.  
 12.15 p.m.—Time; News; Sports.  
 12.25—Records: Dances of Yesterday and To-day; at 1.15—News.  
 2.20—Books; Foreign Affairs; Radio Review.  
 4.30—For Children.  
 6.0—Time; Weather; Talk.  
 6.17—Dance Records; at 6.45—Talk.  
 7.35—Sofia Munteano (Songs).  
 8.0—Letter-box.  
 8.15—Light Music—Radio Salon Orchestra. Conductor: Bobesco.  
 9.30—News; Sports Notes.  
 9.45—Café Concert.

10.45—News (French, English).  
 11.0-12.0 m't.—Records.

**BUDAPEST**  
 546 kc/s (549.5 m.); 120 kW. Transmits at intervals from 6.45 a.m.  
 12.5 p.m.—Orchestra. Conductor: Eördögh; at 12.30—News.  
 1.30—Records.  
 2.35—News.  
 4.15—Lajos Vándor.  
 5.0—Greetings.  
 5.30—Station Orchestra.  
 6.15—Alexandra Wacker.  
 6.45—Choir.  
 7.25—"Baudelaire"—Talk and Poems.  
 8.0—Festival Concert for the Birthday of Admiral Horthy, Regent of Hungary. Festival Music (Mosonyi). Hungarian Rhapsody (Liszt). Kuralia Hungarica (Dohnányi). Overture, "Hunyadi László" (Erkel).  
 9.10—News.  
 9.30—Musi Cigány Band.  
 10.20—Gyula Károlyi (Pfte.).  
 11.0—News (German, Italian).  
 11.10—Thaler-Végh Dance Band.  
 12.5 a.m. (Sunday)—News.

**COLOGNE**  
 658 kc/s (455.9 m.); 100 kW.  
 6.0 a.m.—Hymn; Weather; Gym; Records.  
 7.0—News; Hymn.  
 7.10—Music from Berlin.  
 8.0—Weather; Water Level; Calendar; Gym.  
 8.30—See Königsberg.  
 9.15—Games for Children.  
 9.45—News.  
 10.0-10.30—See Breslau.  
 11.45—For Farmers; Weather.  
 12.0 noon—See Vienna.  
 1.0 p.m.—News; Greetings.  
 1.15—See Vienna.  
 2.0—News; Sports.  
 2.10—Week-end Concert (Records).  
 3.15—Hitler Youth talk about their Trip to Luxembourg.  
 3.45—Markets.  
 4.0—Light Music—Station Choir and Orchestra, etc.  
 6.0—Programme Trailer.  
 6.10—Humour and Music.  
 6.50—Snapshots; News.  
 7.10—Sextet. Amoretto (Bullerian). Alt-Wien (Niemann). Waltz, Abendsterne (Lanner). Piece (Ranzato). Kleiner Tanz (Börschel). Herzen und Blumen (Czibulka). Stelldichein (Aletter). Overture (Bourgeois). Serenade (Brass). Parade im Märchenwald (Noack). Verliebt mit siebzehn (Lautenschläger).  
 8.0—Variety—Station Orchestra, Conductor: Eysoldt; Rosl Seegers (Soprano), Leiseifer (Tenor), Carmen Lahrmann, Bund (Pfte.), Bräu (Saxophone), Eduard Eysenck (Compère).  
 10.0—News; Records.  
 10.30—See Berlin.  
 1.0-3.0 a.m. (Sunday)—Music from Breslau.

**DEUTSCHLANDSENDER**  
 191 kc/s (1,571 m.); 60 kW.  
 5.0 a.m.—Chimes; Weather.  
 5.5—Records: Light Music.  
 6.0—Motto; News; Records.  
 6.30-8.0—Band from Königsberg; at 7.0—News.  
 9.0—Report: The NSKK Motor Sports.  
 9.5-9.40—To be announced.  
 10.0—See Breslau.  
 10.30-11.0—For Children.  
 11.15—Weather.  
 11.30—Records; Weather.  
 12.0 noon—See Königsberg; at 1.0 p.m.—Greetings.  
 1.45—News.  
 2.0—Jäger Band and Records.  
 3.0—Weather; Markets; Exchange.  
 3.15—"A Jolly Week-end"—Records; Programmes.  
 4.0—See Frankfurt.  
 6.0—Auguste Allfeld (Songs), Sala (Trautonium), Steinbacher (Saxophone), Haentzschel (Pfte.).  
 6.45—Report: The German Police Championships at Lübeck.  
 7.0—Motto; News.  
 7.10—Light Music—the Berlin Pfte. Trio, Leonore Bader, Mischa Ignatjew, Julius Lindner, and Josef Harbert.  
 8.0—Beautiful Melodies. Orchestra. Conductor: Dobrindt. Henk Speyer (Tenor), Thomassen Pfte.-Duo, Leitner (Pfte.).  
 10.0—News; Sports.  
 10.20—Report: The Cycle Tour of Germany—Ninth Lap, Stuttgart-Frankfurt.  
 10.30—Pfte. Trio (Haydn).  
 10.45—Weather.  
 11.0—Music from Munich.  
 12.0 m't.-2.0 a.m. (Sunday)—See Breslau.

**FRANKFURT**  
 1,195 kc/s (251 m.); 25 kW. Cassel, etc. See Sunday.  
 5.0 a.m.—See Breslau.

SATURDAY (June 18)

5.45—Back to the Land!  
 6.0—Hymn; Motto; Gym.  
 6.30—See Berlin; at 7.0—News.  
 8.0—Time; Water Level; Weather; Gym.  
 8.30—Spa. Orchestra from Schlangenbad.  
 9.30—Local News; Talk.  
 10.0-10.30—See Berlin.  
 11.35—Programmes; Markets; Weather; Industrial Talk.  
 12.0 noon—See Vienna.  
 1.0 p.m.—Time; News.  
 1.15—See Vienna.  
 2.0—Time; News.  
 2.10—"Week-end and Sunshine and We Two"—a musical Breviary for Lovers (Records).  
 3.0—Weekly Picture Book.  
 3.15—"We Don't Punish—We Train."  
 3.30—Johann Peter Hebel—Programme by Girls.  
 4.0—Station Orchestras, Soprano and Tenor.  
 6.0—Topical Review; Records.  
 6.50—Sports; News.  
 7.10—Cavalry Marches from Darmstadt—Military Band. Conductor: Klamberg.  
 8.0—"Today we are so happy!"—Variety from the Kulturhalle, Bad Hersfeld—Spa Orchestra, Conductor: Meisel, Hilde Seipp, Elfriede Draeger and Oskar Albrecht.  
 10.0—Time; News; Sports.  
 10.15—Report: The Cycle Tour of Germany Ninth Lap, Stuttgart-Frankfurt.  
 10.30—Music from Munich.  
 12.0 m't.-3.0 a.m. (Sunday)—See Stuttgart.

**HAMBURG**  
 904 kc/s (331.9 m.); 100 kW. Bremen, etc. See Sunday.  
 5.45 a.m.—Motto; Weather; Talk.  
 6.0—Gym; Records.  
 6.30—See Berlin; at 7.0-7.10—News.  
 8.0-8.20—For Housewives.  
 10.0—See Berlin.  
 10.30—Stettin Concert Orchestra. In the interval, Talk.  
 11.45—Shipping; Weather.  
 12.0 noon—Stettin Concert Orchestra. Conductor: Quast.  
 1.0 p.m.—Weather; Midday Review.  
 1.15—See Vienna.  
 2.0—News.  
 2.15—Light Music.  
 3.0—Shipping; Markets.  
 3.20—Dance Records.  
 4.0—See Frankfurt.



Erich Kleiber, who will this evening conduct Siegfried at the Amsterdam Municipal Theatre. Acts 2 and 3 will be broadcast from Hilversum (No. 1) at 7.40 p.m.

6.0—For Ex-Servicemen—The Somme.  
 6.30—Folk-Songs by the Hamburg Teachers' Choir. Conductor: Röder, Herzlich tut mich verlangen (Praetorius). Laub, Gras und Blüt' (Senff). May Song (Thomas Morley). Komm! ihr G'spielen (Frank). Songs (Brahms): (a) Mit Lust tut ich ausreiten, (b) Bei nächtlicher Weil, (c) Die Wollust in dem Maien. Wer geht mit juchei (arr. Lemacher). Hab' mei Wage vollgelade (arr. Lemacher). Peasant Waltz (arr. Willms).  
 6.50—Weather; News.  
 7.10—"Ships and Sailors"—A Nautical Programme (arr. Stapelberg). Hitler Youth Ensemble, Rudolf Kinau, Frido Grothey and Richard Germer (Recorded).  
 7.45—Press Review.

8.0 (from Bremen)—Light Music—Bremen Stadtmusikanten. Conductor: Krug. Findorff Glee Society. Conductor: Holterdorf. Ruth Herell (Soprano), Mela Gilbert (Contralto), Rudolf Dressmair (Tenor), Willy Schöneweiss (Bass), Hans Kruschek (Violin). Prelude, "Cavalleria rusticana" (Mascagni). Schon die Abendglocken läuten (Kreutzer). Procession of the Gnomes (Grieg). Soprano Song (Adam). Romance in G (Beethoven). Walther's Prize Song, "The Mastersingers" (Wagner). Selection, "Tiefand" (d'Alberty). Folk-Song, Aennchen von Tharau. Ständchen (Schubert). Homage March, "Sigurd Jorsalfar" (Grieg). Habanera, "Carmen" (Bizet). Overture, "The Gipsy Baron" (Strauss). Alle Birken grünen in Moor und Heid' (Licht). Duet, "Il Trovatore" (Verdi). The Clock is playing (Blaauw, arr. Seidler-Winkler). Hejre Kati (Hubay). Polonaise, "Eugen Onegin" (Tchaikovsky). Duet, "The Bartered Bride" (Smetana). Farandole, "L'Arlesienne" (Bizet). Song, "Die Fledermaus" (Strauss). Folk-Song, Jetzt gang i ans Brünne. Song, "The Merry Wives of Windsor" (Nicolai). Song, "The Land of Smiles" (Lehár). Waltz, Gold and Silver (Lehár). Was die Welt heute bringt (Anon). Waltz, Parla (Arditi). Ballad, Tom the Rhymer (Loewe). Folk-Song, Wo de Nordseewellen trekken an den Strand. Gallop, Tritschtratsch (Strauss).  
 10.0—News.  
 10.20—Report (Recorded): The German Police Championships at Lübeck.  
 10.35—Music from Berlin.  
 2.0-3.0 a.m. (Sunday)—Serenade from Breslau.

**HILVERSUM (No. 1)**  
 160 kc/s (1,875 m.); 10 kW until 8.40 p.m.; 150 kW from 8.40 p.m. Also on Jaarsveld, 722 kc/s (415.4 m.); 17 kW. KRO Programme.  
 7.40-8.55 a.m.—Records.  
 9.40—Records.  
 11.10—Religious Address.  
 11.40—Police Messages; Weather.  
 11.55—KRO Melodists, Conductor: Lustenhouwer, Klein (Songs); at 12.40-1.0 p.m.—Records; Homing-Pigeon Notes.  
 1.40—For Young People.  
 2.10—KRO Melodists (cont'd).  
 2.40—For Children.  
 3.40—KRO Orchestra, Conductor: van 't Woud, Overture, "Ilka" (Doppler). Suite, Four Ways (Coates). Jeunesse dorée (Waldteufel). Kleinigkeiten (Fischer). Scherzo (Mendelssohn).  
 4.25—Records.  
 4.40—Orchestra (cont'd). Hoog de KRO Vlag (Jakma). Il bacio (Arditi). The Musical Box and the Pianola (Antiga). Barataria (Komzák). My old Kentucky Home (Busch). Grande vitesse (Waldteufel). Dream of Love after the Ball (Czibulka). Rusticella (Cortopassi). Sous ton balcon (Drigo). Unter dem Siegesbanner (v. Blon). Caravane hindoue (Popy). Tempo, Tempo (Löhr).  
 5.25—KRO Children's Choir; Records.  
 6.0—Weekly Press Review.  
 6.25—Dance Records.  
 6.40—Police Messages; Talk.  
 7.15—Press Review; KRO Notes.  
 7.25—Talk on the following Programme.  
 7.40—Acts II and III, "Siegfried" (Wagner) from Amsterdam Municipal Theatre. Orchestra and Singers of the Concertgebouw, Conductor: Kleiber; at 8.50-9.25—Meditation, Music, and Talk.  
 10.35—Records.  
 10.40—News; Film Talk.  
 11.25-11.40—Records.

**HILVERSUM (No. 2)**  
 995 kc/s (301.5 m.); 10 kW until 8.40 p.m.; 60 kW from 8.40 p.m.  
 VARA Programme.  
 7.40 a.m.—Records.  
 9.40—VPRO Service.  
 10.0—Concert and Dramatic Programme (Recorded).  
 11.40 a.m.-1.25 p.m.—Records.  
 1.40—Talk.  
 1.55—Betsy Kinsbergen (Soprano), Arias, "Turandot" (Puccini), "Romeo and Juliet" (Gounod).

SATURDAY (June 18)

"Manon Lescaut" (Puccini) and "Faust" (Gounod). In the interval, Records. 2.25—Records. 3.15—Talk: The Chess Tournament at Noordwijk; Variety Records. 4.10—For Schools; Records. 5.20—Literary Talk. 5.40—Steyn (Organ); Folklore. 6.40—A Film. 7.10—VPRO Talk. 7.45—News; S O S Messages. 7.55—Accordion Band; "The Four Blue Stars," etc. 8.55—Variety. Orchestra, Conductor: Walis; "De zingende visschers" Male Voice Double Quartet, Gilberte Savary and Compère. 10.10—News; Records. 10.40—Souvenir Orchestra. Conductor: de Groot, and M. Collin. 11.0-11.40—Records.

KALUNDBORG

240 kc/s (1,250 m.); 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.). 7.0 a.m.—Time; Gym. 8.30—Service from Copenhagen Cathedral. 8.55—Weather. 10.58—Weather; Fish Markets. 11.0—Opening of the Peasant Exhibition at Bellahøj. 11.30—Weather. 12.0 noon-2.0 p.m.—Wivex Orchestra. 2.30—Radio Orchestra, Conductor: Grøndahl. Overture, "Festen paa Kenilworth" (Weyse). Siesta (Waldteufel). Theme with Variations from the Emperor Quartet (Haydn). Vauxhall Polka (Lumbye). Ballet, "The Templars" (Litov). Folies bergère (Lincke). Overture, "The Two Hussars" (Doppler). Waltz (Ganne). Sover sødt i hellig Fred (Ludolf Nielsen). Torch Dance (Meyerbeer). Pezzo sinfonico (Schroder). Dance, "Kongen" (Halvorsen). March (Møller); at 3.20—Reading. 4.30—School Choir. 5.0—Talk. 5.25—Weather; Exchange; Markets. 5.50—Records. 6.15—Sports Talk. 6.35—French Lesson. 7.0—Time; News. 7.30—Talk: Modern Swedish Literature. 8.0—Modern Danish Songs—School-children's Choir. Conductor: Ejnar Jacobsen. Talk by Ejnar Jacobsen. Sangen (Agerby). Nu sover Danmark i Silkeseng (Ludolf Nielsen). Paa Weekend (Schultz). Strandkaal (Brene). Baalsang (Bentzon). Livets Aldre (Emborg). Du danske Sommer (Mortensen). 8.30—Sports Talk. 8.40—Finnish Songs by Yrjö Ikonen. Natt (Kuula). Vinden förde tvende segel (Kuula). Säf, säf, susa (Sibelius). Hela ditt liv (Merikanto). Alskade, sen du ifran mig gatt (Kaski). Till sängen (Kilpinen). Till min kärestes stuga (Melartint). 9.0—Records. 9.15—Bobby Pagan (Cinema Organ). 9.30—Preil's Dance Band; at 10.0-10.20—News; and at 11.0-11.15—Songs. 12.0 m.t.—Time; Olesen Dance Band from the Bellevue Strandhotel. 1.0-2.0 a.m. (Sunday)—Magnussen Dance Band from the Nimb Restaurant.

240 kc/s (1,250 m.); 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.). 7.0 a.m.—Time; Gym. 8.30—Service from Copenhagen Cathedral. 8.55—Weather. 10.58—Weather; Fish Markets. 11.0—Opening of the Peasant Exhibition at Bellahøj. 11.30—Weather. 12.0 noon-2.0 p.m.—Wivex Orchestra. 2.30—Radio Orchestra, Conductor: Grøndahl. Overture, "Festen paa Kenilworth" (Weyse). Siesta (Waldteufel). Theme with Variations from the Emperor Quartet (Haydn). Vauxhall Polka (Lumbye). Ballet, "The Templars" (Litov). Folies bergère (Lincke). Overture, "The Two Hussars" (Doppler). Waltz (Ganne). Sover sødt i hellig Fred (Ludolf Nielsen). Torch Dance (Meyerbeer). Pezzo sinfonico (Schroder). Dance, "Kongen" (Halvorsen). March (Møller); at 3.20—Reading. 4.30—School Choir. 5.0—Talk. 5.25—Weather; Exchange; Markets. 5.50—Records. 6.15—Sports Talk. 6.35—French Lesson. 7.0—Time; News. 7.30—Talk: Modern Swedish Literature. 8.0—Modern Danish Songs—School-children's Choir. Conductor: Ejnar Jacobsen. Talk by Ejnar Jacobsen. Sangen (Agerby). Nu sover Danmark i Silkeseng (Ludolf Nielsen). Paa Weekend (Schultz). Strandkaal (Brene). Baalsang (Bentzon). Livets Aldre (Emborg). Du danske Sommer (Mortensen). 8.30—Sports Talk. 8.40—Finnish Songs by Yrjö Ikonen. Natt (Kuula). Vinden förde tvende segel (Kuula). Säf, säf, susa (Sibelius). Hela ditt liv (Merikanto). Alskade, sen du ifran mig gatt (Kaski). Till sängen (Kilpinen). Till min kärestes stuga (Melartint). 9.0—Records. 9.15—Bobby Pagan (Cinema Organ). 9.30—Preil's Dance Band; at 10.0-10.20—News; and at 11.0-11.15—Songs. 12.0 m.t.—Time; Olesen Dance Band from the Bellevue Strandhotel. 1.0-2.0 a.m. (Sunday)—Magnussen Dance Band from the Nimb Restaurant.

KÖNIGSBERG (Heilsberg)

1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.). 5.0 a.m.—See Breslau. 6.0—Gymnastics. 6.20—Military Band; at 7.0—News. 8.0—Prayers; Gym. 8.30-9.30—Danzig Orchestra. 10.0-10.30—"Grad Dör!"—Play after Arndt (Schroder-Justin). 10.45-10.55—Weather. 11.35—Talk: Town and Country. 11.50—Markets; Weather. 12.0 noon—Military Band; at 12.55-1.15 p.m.—Time; News. 2.0—News; Talk; Variety. 2.55—Exchange. 3.0—Demonstration in Connection with the Nazi Party's Provincial Congress. 5.0—Records: Light Music. 6.0—Echoes of the Athletics Display for the Nazi Party's Provincial Congress.

6.15—Trifles that please—Peter Arco, etc. 6.50—Announcements; News. 7.10—Hitler Youth Community Singing from the Castle Courtyard. 7.45—Echoes of the Nazi Party's Provincial Congress. 8.0—"Joyous Homeland"—Variety (arr. von der Becke). Dance Band, Mandoline, Guitar and Accordion Bands. Vocal Quartet, Women's Vocal Sextet, Speakers. 10.0—News; Sports. 10.20—Echoes of the Contests in connection with the Nazi Party's Provincial Congress. 10.40—Music from Berlin. 12.0 m.t.-3.0 a.m. (Sunday)—See Breslau.

LEIPZIG

785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.). 5.50 a.m.—News. 6.0-8.20—See Berlin; at 7.0—News. 8.20—Light Music Records. 8.30-9.30—See Königsberg. 9.55—Water Level. 10.0—See Breslau. 10.30-10.45—Weather; Programmes. 11.35—Anniversaries; Talk. 11.55—Time; Weather. 12.0 noon—See Vienna. 1.0 p.m.—Time; News. 1.15—See Vienna. 2.0—Time; News; Records. 3.20—Handwork for Children. 3.50—Time; Weather; Exchange. 4.0—See Munich. 6.0—A Modern Dictionary. 6.15—Records: Leipzig Symphony Orchestra, Choir, Singers. 6.50—Evening Review; News. 7.10—Fricke Band. Melodienreigen (Richard). Intermezzo, Ein glücklicher Tag (Krüger-Hanschmann). Tambourin (Gosse). Polka, Klarinettenkomik (Bräu). Swabian Peasant Waltz (Krome). Kameraden auf See (Küssel). Tarantella (Bund). Dutch Clog Dance (Winkler). Black Forest Ländler (Dietrich). Marching Song, Nach der Woche kommt der Sonntag (Wiga-Gabriel). 8.0—See Vienna. 10.0—News; Sports. 10.30—See Berlin. 2.0-3.0 a.m. (Sunday)—Music from Breslau.

LILLE (Radio PTT Nord)

1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.30 a.m. 4.0 p.m.—Dramatic Programme. Part I. "Mathilde"—Comedy (Mackiels). Part II. "J'arrive"—Dialogue (Lavedan). 5.0—Amateurs' Hour. 6.0—Talk: Pierre Curie and Mme Curie, Discoverers of Radium. 6.10—Records. 6.20—For Housewives; Record. 6.35—Sports. 6.45—Economic and Social Notes. 7.0—Records: Symphonic Jazz. 7.10—Talk in English; Record. 7.30—Radio Journal. 8.0—"La maison claire"—Music, Reviews and Sketch. 8.30—Dramatic Programme. Part I. "Siberia"—Sequence (Richard). Part II. "La Belle Dame"—Fairy Play (de Mackiels). Part III. "Cabin 36"—Play (André de Corde-Henri Bauche). After the Programme, News.

MONTE CENERI

1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 12.0 noon 5.0 p.m.—The Italian Trio. 5.30—Springer Dance Band. 6.0—For Children. 6.15—Rubino (Clarinet). Intermezzo (Longo). Allegro (Saint-Saëns). Romance and Variations on a Theme from "A Masked Ball" (Verdi-Bassi). Tarantella originale (Frugatta). 6.30—Talk: Labour Legislation in the Ticino. 6.45—Talk: The Bregaglia Valley. 7.15—Records: Light Music. 7.50—News. 8.0—Guido Calgari: An Interview with Tetrazzini. 8.20—Talk. 8.30—Records: "Rigoletto" (Verdi). 9.5—"The First Swiss Aviator"—Sequence about Enrico Cobioni (Ortelli-Marazza). 9.45-10.15—Dance Music from Campione.

MOSCOW

172 kc/s (1,744 m.); 500 kW. 12.30 p.m.—Talks in Italian.

4.30—Literature and Music. 9.30—News; Kremlin Chimes. 10.5—Talks (French, Spanish).

MUNICH

740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.). 6.0 a.m.—Motto; Weather; Gym. 6.30—See Berlin; at 7.0—News. 8.0—Motto; Gym. 8.30-9.30—See Königsberg. 10.0-10.30—See Königsberg. 11.0—Markets; Records; Talk; Time; News. 12.0 noon—Military Band from Erlangen. 1.0 p.m.—News; Topical Talk. 1.15—See Vienna. 2.0—News; Exchange; Sports. 2.25—Week-end Variety on Records; at 3.0-3.10—Bavarian East Mark Culture Week (Recorded); Reading. 4.0 (from Nürnberg)—Variety Concert. Orchestra. Conductor: Böhm. Schwarz Dance Band, Double Quartet, Gröschel Duo, Trude Lutz (Soprano), Karl Schulz (Tenor). 6.0—Time; Weather; Markets. 6.10—Mozart Chamber Music—Elisabeth Hallstein (Soprano), Gertrud Schuster-Woldan (Violin), Dora Streicher (Viola), Mittermaier (Cello), Aldo Schien (Pfte.). 6.45—Topical Review; News. 7.10—Records; Light Music. 8.0—Riddles—Sketches (Knan): (a) "The Car," (b) "Three Girls," with Ila Kosak, Bertl Valentin, Mizzi Seibold, Josef Voggenauer, Alfons Tiefenböck, and Records. 9.0—Serenade on Records. 10.0—Time; News; Sports. 10.20—"Dancing into Sunday!"—Station Dance Band, Schrammel Ensemble, etc. 12.0 m.t.-3.0 a.m. (Sunday)—See Breslau.

NAPLES GROUP

Naples (No. 1), 1,104 kc/s (271.7 m.); 10 kW. Florence (No. 1), etc. See Sunday. 7.45 a.m.-6.10 p.m.—See Rome Group. 7.0—Light Music; Songs. 7.10—Topical Review. 7.20—Choir from Trento. 8.0—See Rome Group. 8.30—Band. Conductor: Arlandi. Legioni di Spagna (Gola). Giorno di sole (Roncati). Lieti affari (Michiardi). Danza dei pastori (Cattaneo). Graziella (Teolis). Un fiore (Gambino). Italia-Germania (Manente). 9.10—Sketch. 9.30—Songs of Midsummer. 9.45—Bologna Quartet and Ocarina Ensemble. 10.30-11.55—Dance Music; at 11.0—News.

NICE-COTE D'AZUR

1,185 kc/s (253.2 m.); 60 kW. Transmits at intervals from 6.50 a.m. 7.0 p.m.—Song Recital by Denise May and Enzo Seri. 7.30—Radio-Journal. 8.0—News in Italian. 8.15—Côte d'Azur Season. 8.30—Station Orchestra, Paul Tortelier (Cello). Conductor: Matras. Overture, "La scala di seta" (Rossini). Fire Dance (Falla). "Cello Concerto (Saint-Saëns). Easter Overture (Rimsky-Korsakov). Variations (Tchaikovsky). Redemption (Frankl). 10.30 (approx.)—News.

OSLO

260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday. Transmits at intervals from 10.30 a.m. 2.5-3.0 p.m.—Concert. 4.0—Records; Announcements. 5.5—Report. 5.35—Report. 6.0—Hauger Dance Band. 6.45—News; For Farmers. 7.30—Norwegian Folk Music—Møllerup (Songs) and Sørsdal (Hardanger Fiddle). 8.0—Talk. 8.30—Station Orchestra. Conductor: Kramm. Praeludium (Järnefelt). Selection, "Die Fledermaus" (Joh. Strauss). Rhapsody, Himmerland (Reesen). Suite, Summer in Norway (Torjusen). Dance Suite, Aus allen Herren Ländern (Moszkowski). 9.30—Reading. 9.40—Weather; News; Topical. 10.15-11.0—Dance Records.

PARIS (Eiffel Tower)

1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 6.30 a.m. 6.30 p.m.—Mme Le Conte-Revers (Pfte.) and Lowenguth (Violin). Sonata (de la Presse). Sonata (Paray).

7.0—Music from Nice Côte d'Azur. 7.30—Radio-Journal; News. 8.0—Sonia Alny (French Folk Songs). 8.15—Italian Suite (Stravinsky) by Edwige Bergeron (Cello). 8.30-10.30—Soirée tournante. 8.30—Eiffel Tower Radio Magazine—Variety (arr. Poterat, Michel, Gazan, and Delorme), presented by Aman Maistre, Mmes Anita Soler, Renée Garcia, Denise Lecache, Denysis and Marnelle, and MM Hieronimus and Daragon. 9.10—Orchestra. Conductor: Tomasi. Kartun (Pfte.). Overture, "La reine Topaze" (Masse). Pfte. and Orchestra: Persian Fantasia (Goddard). Entr'acte, "Madame Turlupin" (Guiraud). Espada (Massenet). 9.50—Coquettes in Drama—No. III: La Locandiera. Scenes, "La Locandiera" (Goldoni), with Béatrice Bretty. 10.30—Records. 11.0-11.15—News.

PARIS (Poste Parisien)

959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m. 12.0 noon—Exchange; Talk. 12.10 p.m.—For Children, with Jaboune and Thérèse Dorny. 12.30—News. 12.40—Lajarrige (Cinema Organ). 12.55—Records: Rumbas. 1.0—The Treasure Hunt, with Pierre Dac. 1.23—Amusement Guide. 1.25—Antoinette Soulas. 1.30—Exchange. 1.35—"Session of the S.D.L."—Sequence with Pierre Dac, etc. 2.5—News; Talk. 2.15—Opera Records. 3.0—Variety; at 4.45—Exchange. 6.0—News; Exchange. 6.10—Roman Catholic Review. 6.30—For Young People. 6.58—Racing; Record; Sports. 7.10—Amusement Guide. 7.15—Viennese Waltzes. 7.45—Operetta Records. 8.0—Topical; Programmes.



Exclusive "World-Radio" Picture Mme. Béatrice Bretty, the well-known French actress, who takes part in the "Soirée Tournante" programme (French stations 8.30-10.30 p.m.)

8.20—"Oceans and Shipwrecks" (Desnos-Arnaud). 8.35—La Table tournante: "Sherlock Holmes"—Sketch (Bergerac). 8.40—Records: Second Rhapsody (Liszt) by the Philadelphia Symphony Orchestra. Conductor: Stokowski. 8.50—"La bonne histoire". 9.0—Max Regnier and Company. 10.30—Cabaret. 11.0—News.

PARIS (PTT)

695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.30 a.m. 9.15 a.m.—Opera and Opéra-Comique Records. 9.45—Jean-Armand Petit Orchestra; Poems. 10.40—Elocution Records. 11.0—Jean-Armand Petit Orchestra. 11.45—Goldy Dance Band. 12.15 p.m.—Germaine Cernay (Songs). 12.30—Goldy Dance Band. 1.0—Goldy Dance Band. 1.45—Report by Georges Géville. 2.10—Dramatic Criticism.

2.30—Programme for Hospital. Part I. Golschmann (Pfte.). Etude (Chopin). Voiles (Debussy). Two Romances (Schumann). Part II. Roberte Fissore (Songs). Part III. Cabaret. Jean Varennes; Paul Brébant, and Pierre Gilbert. Part IV. Tzipine (Violin). Russian Song (Stonow). La gitane (Kreisler). Allegro appassionata (Saint-Saëns). 3.30—Literary Talk; Review. 4.0—Talk on Aviation. 4.15—Ninon Guérald (Songs). 4.30—Concert by the "Société des Instruments anciens." Les Plaisirs Champêtres (Monclair). Harpsichord Sonata (Scarlatti). Two Descriptive Pieces for Quinton (Tomasi). Theme with Variations from the Suite on Popular French Airs. Viola d'amore Concerto (Asioli). Le Tambourin du triomphe (Destouches). In the interval, "Le Campanile" Vocal Esemble. Conductor: Nyon. 6.0—Marcelle Denya (Songs). 6.15—Hélène Pignari (Pfte.). Scherzo capriccioso (Mendelssohn). Improvisations (Fauré). Saudades do Brazil (Milhaud). 6.30—Records. 7.0—Radio Journal. 8.0—Sound News. 8.10—Cazaux Orchestra. 8.30-10.30—Soirée tournante. 8.30—Orchestra. Conductor: Tomasi; Mlle Deva-Dassy (Songs). Overture, "Le petit chaperon rouge" (Boieldieu). Songs (Aubert, Glazunov, Lazzari, Tomasi). Pavane (Hahn). Illys (Ganne). 9.10—Coquettes in Drama—No. 2: La Périchole. Scenes, "La Périchole" (Merimee), with Spinelly in the Title Role. 9.50 Paris (PTT)—Radio-Magazine—Variety (arr. Poterat, Michel, Gazan and Delorme) presented by Aman Maistre. Mmes Anita Soler, Renée Garcia, Denise Lecache, Denysis, Marnelle, MM Hieronimus and Daragon. 10.30—News; Dance Records. 11.0—"Tennis"—Three-act Play (Léon Ruth).

182 kc/s (1,648 m.); 80 kW. 6.28 a.m.—Programmes; Records. 6.40—News; Gym; Records. 7.15—News; Gym; Records. 8.0-9.10—Time; News; Records. 9.40—Programmes; Records. 10.45—Reading (de Maupassant). 11.0—Records: Classical Music. 11.30—Records of the Comedy Harmonists. 11.15—Exchange; Markets. 12.0 noon—Economics. 12.15 p.m.—Bailly Orchestra. Overture, "A Midsummer Night's Dream" (Mendelssohn). The Nursery Clock (Williams). Ballet Music, "Hamlet" (Thomas). Selection, "Dédé" (Christiné). Défilé Tartare (Delmas). 1.0—Time; News. 1.15—Bailly Orchestra. Overture, "Vanity Fair" (Fletcher). Invitation to the Waltz (Weber). 1.30—Mme Doniau-Blanc (Songs). 1.45—Bailly Orchestra. Suite, "Etienne Marcel" (Saint-Saëns). Cortège carnavalesque (Razigade). 1.58—Programmes; Educational. 2.30—Markets; Exchange; Talk. 2.55—Film Review. 3.0—Suzanne Vidal (Songs). 3.15—Literary Review. 3.30—Talk on Aviation. 3.45—Maryse de Pomerol (Songs). 4.0—Colonial Programme: Talk; Books. 4.30—Science Talk. 4.40—Review of History Books. 4.50—American Markets. 5.0—Widor Festival from the Institut de France—Calvet Quartet, Marcel Dupré (Organ), and Yvonne Gall (Songs). Variations from the Fifth Symphony. Songs. Quartet. Songs. Movements, Fifth Symphony. 6.0—Talk on Philosophy—Man, the Artist. 6.25—Theatre Review; Talks. 6.58—Programmes; Educational. 7.30—Racing; Talks. 7.59—Time; Home Affairs. 8.8—Foreign Affairs. 8.15—Laure Diana (Songs). 8.30-10.30—Soirée tournante. 8.30—Coquettes in Drama—No. 1: Célimène. Scenes, "Le Misanthrope" (Molière) with Jeanne Provost as Célimène. 9.10—Radio-Paris Magazine—Variety (arr. Poterat, Michel, Gazan and Delorme), presented by Aman Maistre. Anita Soler, Renée Garcia, Denise Lecache, Mme Denysis, Mme Marnelle, MM Hieronimus and Daragon.

9.50—News; Review.  
10.5—Orchestra, Conductor: Tomasi; Mlle Deva-Dassy (Songs). Mexico (Goldin-Oberfeld). Songs. "Yana" (Richepin-Christine). Song, "Frasquita" (Lehar). Ballet, "Parysatis" (Saint-Saëns).  
10.35—Sound News and News.  
11.0—Bouillon Dance Band.  
1.0 a.m. (Sunday)—Programmes.

**PRAGUE**

638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.0 a.m.  
11.5 a.m.—Benes Band.  
12.10 p.m.—Water Level; Records.  
12.30—News; Weather.  
12.45—Orchestra from Kosice.  
1.50—Labour Exchange; Records.  
2.10-3.0—See Brno.  
4.5—For Housewives.  
4.10—See Bratislava.  
5.5—See Brno.  
5.35—Home Affairs; Record.  
5.45—For Farmers; Industrial Review; Discussion.  
6.20—FOC Orchestra. Conductor: Pekárek.  
7.0—News; Political and Economic Review; For Sokols.  
7.25—See Brno.  
8.55—Motorists in Court.  
9.15—Seventeenth and Eighteenth Century Czechoslovak Music—Concert from the Gardens of Count Wallenstein's Palace. Prague Orchestra Society. Conductors: Sejna and Dedecek. Six Cavalry Marches for Wind Instruments and Timpani (Zelenka). Sonata venatoria for Two Trumpets, Violin, Two Violas, Double Bass, and Organ (Jevanovsky). Ballet Music (Schmelzer-Pujman).  
9.55—News; Sports; Records.  
10.30-11.30—Revue on Records.

**RADIO EIREANN**

565 kc/s (531 m.); 100 kW. Dublin, etc. See Sunday.  
1.30-3.0 p.m.—Records.  
5.30—Choral and Orchestral Concert by the Keating Branch of the Gaelic League.  
6.10—Talk by E. Heron: Swimming.  
6.20—Isabel Hill (Pfte.).  
6.35—Irish News Feature.  
6.45—News.  
7.0—Dublin Banjo Club Band.  
7.30—Radio Diary by Eric Boden.  
8.0—The Tallanstown Traditional Trio.  
8.20—Hobbies by Capt. J. F. Lucy.  
8.40—American Minstrel Tunes—Irish Radio Orchestra, and W. J. Lemass.  
9.30—Variety.  
10.30—News; National Anthem.

**RADIO-MEDITERRANÉE**

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.  
7.30—Request Programme.  
8.0—Talk.  
8.10—News; Exchange.  
8.15—Hungarian Rhapsody in F (Liszt).  
8.25—Light Music.  
8.45—Fernandel.  
9.0—Talk; Weather.  
9.10—Variety.  
10.0—News.  
10.15—Dance Music.

**RADIO-NORMANDIE**

1,411 kc/s (212.6 m.); 15 kW.  
7.10 a.m.—Call; Review; News.  
7.45—Physical Exercises.  
8.0—Music in the Morning.  
8.15—Time; The Animal Man.  
8.30—Happy Days.  
8.45—For Young People.  
9.0—Time; Military Band.  
9.15—With the Immortals—A Musical Problem.  
9.30—Harry Davidson and his Commodore Grand Orchestra.  
9.45—Potpourri of Light Music.  
10.0—Time; Thirty Minutes of Bright Music, Song and Humour—Carroll Gibbons and his Band with Anne Lenner, George Melachroin, Frank Titterton, etc. Compère: Russ Carr.  
10.30—Radio Favourites.  
10.45—Something for Everybody.  
11.15—The Songs we know them by.  
11.30—Chansonnettes.  
12.0 noon—Fred Adison Ensemble.  
12.20 p.m.—Records of Rina Ketty.  
12.30—News.  
12.40—Concert.  
2.0—Military Moments.  
2.30—Songs you would like them to hear.  
2.45—The Whirl of the World.  
3.0—Request Music.  
3.30—Dance Music.

3.45—Commentary on the 24-hour Motor Race at Le Mans.  
4.15—Banjos strummin'.  
4.30—Old Friends.  
4.45—Pleasant Quarter Hour.  
5.0—Time; Swing Music.  
5.15—A Rhythm Round-Up.  
5.30—A Highland and Hebridean Programme.  
5.45—Variety.  
6.0—Children's Corner.  
6.45—Talk; News; Racing.  
7.0—Records.  
7.30—News.  
7.45—Records of the Vagabonds Melomanes.  
8.0—Music.  
8.20—Excerpts, "Le roi des Galejeurs" (Vincent Scotto).  
9.0—Fécamp Cabaret.  
11.0—Commentary on the Finish of the 24-hour Motor Race at Le Mans.  
12.0 m't.—Melody at Midnight.  
12.30-2.0 a.m. (Sunday)—Time; Extension Night—Dance Music; at 1.30—Time.

**RENNES-BRETAGNE**

1,040 kc/s (288.5 m.); 120 kW. Transmits at intervals from 6.30 a.m.  
5.0 p.m.—Louis Fournier (Violin), Dimitri Polietoff (Pfte.), Jacques Fournier (Cello). Violin and Pfte.: Sonata in D minor (Ropartz). Chants bretons (Huré). Pfte.: (a) Prelude in G minor (Rachmaninoff), (b) Waltz (Debussy). Intermezzo and Russian Dance (Polietoff), by the Composer. Trio (Dyck).  
5.45—Orchestra from Toulouse (PTT).  
6.30—Sports Talk.  
6.45—News in English.  
7.0—News; Weather.  
7.30—Chamber Music. String Quartet (Debussy). String Trio (Beethoven).  
8.0—News; Records; Talk.  
8.30—Concert. Orchestra. Conductor: Louis Martin. Vocal Quartet. Occasional Overture (Handel). Symphony in E flat (Haydn). Quartet: Le bal de Béatrice d'Este (Hahn). Trois petites pièces montées (Satie). Figures sonores (Delannoy). Songs. Serenade (Larmanjat). Pastorale d'été (Honegger). Madrilène (Infante). Gitancias (Infante). After the Programme, News, Music.

**REYKJAVIK**

208 kc/s (1,442 m.); 16 kW. Transmits at intervals from 12.0 noon.  
9.10 p.m.—Weather (Icelandic, German, English).  
9.20—French Music.  
9.40—News.  
10.0—Time; Foreign News.  
10.15—Reading or Play.  
11.30—Radio Quartet.  
12.0 m't.—2.0 a.m. (Sunday)—Dance Music.

**ROME GROUP**

Rome (No. 1), 713 kc/s (420.8 m.); 120 kW. Bari (No. 1), etc. See Sunday.  
7.45 a.m.—Gym.  
8.0-8.30—Time; News.  
11.30—Angelini Orchestra.  
12.30 p.m.—Records.  
1.0—Time; News.  
1.15—Popular Music.  
1.45—Records.  
2.0-2.20—News; Exchange.  
4.40—For Children.  
5.0—News; Lotteries.  
5.15—Records.  
5.50—Aviation Notes; Weather.  
5.55—Talk for Workers.  
6.10-6.50—For Farmers.  
7.0—Talk in Esperanto.  
7.30—Dopolavoro Notes.  
7.30—Funaro Quartet.  
8.0—News; Talk; Music.  
8.30 (Palermo and Naples (No. 2) only)—Music.  
9.0—"Una serata al caffè"—One-Act Play (Padovini).  
9.40 (approx.)—Variety.  
10.20—Topical Talk.  
10.30—Dance Music.  
11.0—News.  
11.15 p.m.—12.30 a.m. (Sunday)—Dance Music.

**SAARBRÜCKEN**

1,249 kc/s (240.2 m.); 17 kW. Relayed by Kaiserslautern, 1,429 kc/s (209.9 m.).  
6.0 a.m.—Hymn; Motto; Gym.  
6.30—See Berlin.  
7.0—News; Records.  
8.0—Time; News; Gym.  
8.30-9.30—See Königsberg.  
10.0-10.30—See Breslau.  
11.0—For Town and Country.  
12.0 noon—See Vienna.  
1.0 p.m.—Time; News.  
1.15—See Vienna.  
2.0—News.  
2.15—See Hamburg.

3.0—Week-end Concert—Records.  
3.45—KdF Outings—Report.  
4.0—See Cologne.  
6.0—Humorous Reading (Kings).  
6.10—Norwegian Suite (Schjelderup) (Recorded).  
6.30—Schubert Recital by Willi Lorscheider (Songs) and Fritz Neumeier (Pfte.). Songs: (a) Im Frühling, (b) Der Einsame. Pfte.: Rondo from the Sonata in D. Songs: (a) Liebschaft, (b) An Sylvia. (c) Die Forelle, (d) Ständchen.  
7.0—Time; News.  
7.10—Records of Marches.  
7.30—Topical Review.  
8.0—See Deutschlandsender.  
10.0—Time; News; Music.  
10.30—Music from Munich.  
12.0 m't.—3.0 a.m. (Sunday)—See Breslau.

**SOTTENS**

677 kc/s (443.1 m.); 100 kW. Relayed by Genève, 401 kc/s (748 m.).  
12.29 p.m.—Time; News; Records.  
2.0—"Figaro" (Mozart) (1934 Glyndebourne Recordings).  
4.20—Trio in E flat (Schubert) by the Busch-Serkin Trio (Records).  
6.0—Talk: Adolescent Boys.  
6.15—Songs.  
6.20—Dance Records.  
7.0—Talk; Tennis.  
7.10—Talk: Vaud Dialect.  
7.20—Legal Talk; Music.  
7.50—News; Weather.  
8.0—Report (Recorded): Payenne Military Aerodrome.  
8.30—Radio Suisse romande Orchestra, Conductor: Haug; Denise Soriano (Violin).  
9.50—"Totot t'as pas tort"—One-act Vaudeville (Virgile Thomas), by the Gay Companions.  
10.15-11.0—Dance Music.

**STOCKHOLM**

704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday.  
Transmits at intervals from 7.20 a.m.  
12.5 p.m.—Kihola Hawaiian Quartet.  
12.30—News; Exchange.  
1.0—Waldimir Orchestra.  
1.55—Opening of the Eksjö Jubilee Exhibition.  
2.30—Popular Music. Harry Winnsjö (Flute), Jacobsson (Clarinet and Saxophone), and Karlsson (Trombone).  
3.0—Reading.  
3.30—Radio Orchestra, Conductor: Larsson.  
4.30—Talk for Boys.  
5.5—Ingrid Wiksjö (Songs) and Haquinus (Pfte.). Songs (Järnfeldt, Petersen-Berger, Hakansson, Monrad Johansen, Grieg). Pfte.: (a) Etude and Prelude (Scriabin). (b) Etude (Glazunov).  
5.30—Talk: South America.  
6.0—Records.  
7.0—News.  
7.30—Göteborg Radio Orchestra, Conductor: Eckerberg. Overture, "Si j'étais roi" (Adam). Hungarian Rhapsody (Lecopold). Excerpt, Jeux d'enfants (Bizet). Piedmontese Dance (Sinigaglia). Selection, "Die Fledermaus" (Strauss).  
8.15—Dialogue: Optimist v. Pessimist.  
8.30—Old Dance Music by Egerstan's Band.  
9.15—Cabaret.  
10.0—News.  
10.15-11.0—Larny's Dance Band.

**STRASBOURG**

859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m.  
12.0 noon—Orchestra. Conductor: Bour.  
12.45 p.m.—News; Notes.  
1.15—Music from Paris (PTT).  
1.45-2.0—Economic and Social Notes.  
2.30—For Gardeners (German).  
2.45—Legal Talk (German).  
3.0—Music from Montpellier (PTT).  
4.0—See Lille.  
5.0—Chamber Music. Quartet (Haydn). Viola and Pfte. Sonata (Anon).  
5.55—Programme for Twenty-second Anniversary of the Battle of Verdun. Report: Arrival of the French Army Colours at the Town Hall, Verdun.  
6.30—French Lesson; Records.  
7.0—News.  
7.30—Economic and Social Notes.  
8.0—News (German, French).  
8.30—Military Band from the Kiosque de la digue, Verdun. Conductor: Semler-Collery.  
9.30—Concert from Nice—Côte d'Azur.  
10.30—News (French, German).  
11.0—See Paris (Radio-Paris).

**SATURDAY (June 18)**

**STUTTGART**

574 kc/s (522.6 m.); 100 kW.  
5.45 a.m.—Hymn; Time; Weather; For Farmers; Gym.  
6.15—News.  
6.30—See Berlin; at 7.0-7.10—News.  
8.0-9.30—Water Level; Weather; Markets; Gym; Records.  
10.0-10.30—See Berlin.  
11.30—Folk-Music; Peasant Calendar; Weather.  
12.0 noon—Station Orchestras, Conductors: Görlich and Bara; Engels (Tenor); at 1.0-1.15 p.m.—Time; News.  
2.0—Folk-Music—Military Band, Trumpeter Corps, Soldiers' Chorus, the Swabian Singers, the Winkler Sisters, and Nazi Eisele and his Company.  
3.0—"Selling Out"—Week-end Records.  
4.0—See Munich.  
6.0—Topical Review.  
7.0—News; Cultural Calendar and Echoes of the Reich Theatre Festival.  
7.15—Light Music from Mannheim—Schmitt Peasant Band and Ensemble. Conductor: Münnich. The Jig Schrammel Ensemble and the Merry Five (Songs).  
8.0—"When the Band strikes up"—Dance and Light Music (arr. Stauder). Station Orchestra, Conductor: Bara; Liselotte Diel (Soprano); Hartung (Tenor).  
10.0—Time; News; Sports.  
10.30—See Berlin.  
12.0 m't.—3.0 a.m. (Sunday)—Serenade—Light and Dance Music (Recorded).

**TOULOUSE (Radio-Toulouse)**

913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.0 a.m.  
12.0 noon—Dance Music.  
12.5 p.m.—Request Music.  
12.30—News; For Children.  
12.50—Light Music.  
1.15—Request Music.  
1.30—Excerpts, "The Gold Diggers of Broadway" (Warren).  
1.45—Marches.  
1.55-2.0—News.  
6.0—News; Children's Songs.  
6.40—Opera Music. Excerpts, "The Barber of Seville" (Rossini), "Zampa" (Hérold), "Thésée" (Lully) and "Il Trovatore" (Verdi).  
6.55—News; Sports.  
7.15—Songs of Marseilles.  
7.45—Light Music; News.  
8.0—Salon Orchestra.  
8.30—Bal Champêtre.  
8.45—Chansonnettes.  
9.10—Talk.  
9.15—"Fête Champêtre"—Fantasy.  
9.30—Operetta Music. Excerpts, "The Gipsy Baron" (Strauss), "Katinka" (Lajtai), "Le jardinier du roi" (Wallence), "Rose of France" (Romberg), "Madame Pompadour" (Fall).  
10.0—News.  
10.15—Dance Music.  
10.35—Film Music.  
10.45—Request Music.  
11.0—Marches; Light Music.  
11.45—Dance Music.  
12.0 m't.—News.

**TURIN GROUP**

Turin (No. 1), 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday.  
7.45 a.m.—6.50 p.m.—See Rome Group.  
7.19 (Rome No. 2 only)—News in English.  
7.20-8.30—See Rome Group.  
8.30—String Orchestra, Manhattan Serenade (Alter). Japanese Cradle Song (Armandola). Love Songs (Liviabella). Leila (Semprini). Excerpt, "Le Déluge" (Saint-Saëns). Notte lunare (Solazzi). Parata di monelli (Daneri); at 8.36 (Milan (No. 1), Rome (No. 2), and Bolzano)—News and Mail (German).  
9.0—"Der Rosenkavalier" (Richard Strauss, arr. Schanzer). Conductor: La Rosa Parodi. Cast: Maria Carbone, Vincenzo Bettoni, Cloe Elmo, Gino Valbelli, Lina Aimaro, Natalia Niccolini, Ubaldo Tofanetti, Maria Marucci, Ernesto Dominici, Piero Girardi, Nicola Rakowski and Amilcare Pozzoli. In the intervals, Talk, Announcements. After the Opera: News and Dance Music.

**VIENNA**

592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday.  
6.0 a.m.—Motto; Weather; For Farmers; Hymn; Gym.  
6.30—See Berlin; at 7.0-7.10—News.  
8.0—Markets.  
8.30-9.30—See Königsberg.  
10.30—Schindler Band.  
11.0—For Town and Country.  
12.0 noon—Vienna Symphony Orchestra. Conductor: Kolisko. Overture, "Sicilian Vespers" (Verdi). Serenade for Strings (Friedrich Bayer). Fantasia in F minor (Schubert-Mottl). Overture, "Die Fledermaus" (Strauss).  
1.0 p.m.—News; Weather.  
1.15—Light Orchestral, Conductor: Schönherr.  
2.0—News.  
2.10—Records: Viennese Operetta Music.  
3.0—News.  
3.30—For Children.  
4.0—See Frankfurt.  
6.0—Community Singing.  
6.30—Topical Report.  
6.45—Report: The 1938 Breslau Gymnastic Festival.  
7.0—News; Weather.  
7.10—A Jolly Week-end—Records.  
8.0—"From Our Alps"—Folk-Music (arr. Karl Eisele). Orchestra, Conductor: Eisele. German Folk-Song Society. The Tyrolese Vocal Quartet. Mimi Schön and Stangelmayer (Songs), Kotek (Yodeller), Vilgl (Yodeller and Zither), Vesely (Zither).  
10.0—News.  
10.30—"And Tomorrow will be Sunday!"—Station Orchestra. Conductor: Sandauer. Lya Bayer (Soprano), Jano Schmied (Violin). March (Strecker). Waltz (Brückner). Viennese Song (Kapeller). Violin: Die Geige lockt (Jerochnik). Pusztanacht (Borchert). Vom Sekt sind die Geigen berauscht (Wolff). Graziöse-Polka (Joost). Liebe, du Himmel auf Erden (Lehár). Waltz, Hamburger Bilderbogen (Wismar). Intermezzo (Rivelli). Wann der Herrgott net will (Ernst Arnold). Romance (Bece). Über Wien lacht die Sonne halt gar so gern (Fiebrich). Schrammel Potpourri (Mikulás).  
12.0 m't.—3.0 a.m. (Sunday)—See Breslau.

**WARSAW**

224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday.  
Transmits at intervals from 6.15 a.m.  
11.57 a.m. (from Cracow)—Fantasy.  
12.3-1.0 p.m.—To be announced.  
3.15—"Little Lord Fauntleroy"—Play (Hodgson-Burnett, arr. Balicki).  
3.45—Industrial News.  
4.0—"The Microphone among the Stars"—Records.  
4.45—Talk.  
5.0—English Dance Band; at 5.30—Programmes.  
6.0—Programmes.  
6.10—Chamber Music—Rosenbaum (Pfte.) and Szafrank (Violin). Sonata (Dvořák). Sonata (Honegger).  
6.45—Poems (Kasprowicz).  
7.0—Hupert (Songs). Die Lotusblume (Schumann). Widmung (Schumann). Traum durch die Dämmerung (R. Strauss). Ruhe meine Seele (R. Strauss). Two Gipsy Songs (Dvořák). Song (Rachmaninoff).  
7.20—Topical Talk.  
7.30 (from Wilno)—Wilno Folk Music—Choir, Conductor: Lukiewicz. Kaskada Folk Ensemble, and Romanowski (Cymbaloni).  
8.0—For Poles Abroad: (a) Programme for Children; (b) "Poles in Germany"—Sequence.  
8.45—News; Topical.  
9.0—For Country People.  
9.10—Wind Band, Conductor: Walter. Cracovian Dances (Rajczak). Xylophone: Polka (Seele). Obereks (Namyrowski). Ukrainian Dance (Zawadzki). Minuet (Paderewski). Mazurka (Wieniawski). March (Dorozynski).  
9.40—Report: The International Football Match, Poland v. France.  
10.10—Surprise Programme  
11.10-11.15—News.

# STATIONS IN ORDER OF FREQUENCIES AND WAVELENGTHS

kc/s	m.	kW	Station	kc/s	m.	kW	Station	kc/s	m.	kW	Station
<b>Band No. 1. 150-300 kc/s.</b>											
152	1973.5	5	Ankara (Turkey)	731	410.4	1	Assiut (Egypt)	1140	263.2	10	Genoa (No. 1) (Italy)
153	1961	7	Kaunas (Lithuania)			3	Madrid (EAJ2) (Spain)			10	Trieste (Italy)
		150	Hilversum (No. 1) (Holland)			5.5	Seville (EAJ5) (Spain)			7	Turin (No. 1) (Italy)
160	1875		(10 kW only until 8.40 B.S.T.)	740	405.4	20	Tallinn (Estonia)	1149	261.1	20	LONDON NATIONAL
		150	Radio-Romania (Romania)			100	Munich (Germany)			50	NORTH NATIONAL
166	1807	150	Lahti (Finland)	749	400.5	100	Marseilles (PTT) (France)			10	SCOTTISH NATIONAL
172	1744	500	Moscow (No.1) (U.S.S.R.)			1	Pori (Finland)	1158	259.1	10	Košice (Czechoslovakia)
182	1648	80	Radio-Paris (France)	758	395.8	12	Katowice (Poland)	1167	257.1	15	Monte Ceneri (Switzerland)
185	1622	5	Istanbul (Turkey)			60	BURGHEAD	1176	255.1	10	Copenhagen (Denmark)
187.5	1600	20	Irkutsk (U.S.S.R.)	767	391.1	70	SCOTTISH REGIONAL	1185	253.2	60	Nice-Côte d'Azur (France)
191	1571	60	Deutschlandsender (Germany)			0.25	Sortavala (Finland)			0.5	Cassel (Germany)
200	1500	150	DROITWICH	776	386.6	10	Stalino (U.S.S.R.)	1195	251	2	Coblentz (Germany)
		35	Minsk (U.S.S.R.)			120	Toulouse (PTT) (France)			25	Frankfurt (Germany)
208	1442	16	Reykjavik (Iceland)	785	382.2	120	Leipzig (Germany)			5	Freiburg-im-Breisgau (Ger.)
216	1389	150	Motala (Sweden)			7.5	Barcelona (EAJ1) (Spain)	1204	249.2	2	Trier (Germany)
217.5	1379	100	Novosibirsk (U.S.S.R.)	795	377.4	50	Lwów (Poland)	1213	247.3	5	Moravská-Ostrava (Czecho.)
224	1339	120	Warsaw (No. 1) (Poland)			5	PENMON (Anglesey)	1222	245.5	60	Lille (Radio PTT Nord) (France)
		150	Luxembourg	804	373.1	70	WELSH REGIONAL			0.3	Narvik (Norway)
232	1293	100	Moscow (No. 2) (U.S.S.R.)			50	Milan (No. 1) (Italy)	1231	243.7	5	Rome (No. 2) (Italy)
240	1250	60	Kalundborg (Denmark)	814	368.6	12	Bucharest (Romania)			5	Gleiwitz (Germany)
248	1209.6	100	Kiev (No. 1) (U.S.S.R.)			0.4	Rueil-Malmaison (Radio 37) (France)	1235	242.9	1	Görlitz (Germany)
256.4	1170	25	Tashkent (U.S.S.R.)	823	364.5	10	Bodö (Norway)	1249	240.2	17	Cork (Eire)
		20	Bergen (Norway)			0.5	Agen (France)			1	Saarbrücken (Germany)
260	1153.8	60	Oslo (Norway)	832	360.6	10	Stavanger (Norway)	1258	238.5	15	Florence (No. 2) (Italy)
		10	Vigra (Aalesund) (Norway)			35	Kiev (No. 2) (U.S.S.R.)			20	Riga (Latvia)
271	1107	100	Leningrad (No. 1) (U.S.S.R.)	841	356.7	100	Berlin (Germany)	1267	236.8	2	Burgos (Spain)
282	1065	10	Tromsø (Norway)			1	Porsgrund (Norway)	1276	235.1	27	Nürnberg (Germany)
283	1060	35	Tiflis (U.S.S.R.)	850	352.9	100	Sofia (Bulgaria)			2	Radio-Méditerranée (France)
<b>Band No. 2. 300-500 kc/s.</b>											
300	1000	100	Moscow (No. 3) (U.S.S.R.)			3	Valencia (Spain)	1285	233.5	1	Varna (Bulgaria)
340	882.3	20	Saratov (U.S.S.R.)			3	Saragossa (Spain)			1	ABERDEEN
347	864	10	Finmark (Norway)	859	349.2	10	Simferopol (U.S.S.R.)	1294	231.8	0.25	Dresden (Germany)
350	857.1	10	Archangel (U.S.S.R.)			100	Strasbourg (France)			5	Klagenfurt (Germany)
355	845.1	20	Rostov-on-Don (U.S.S.R.)	868	345.6	16	Poznań (Poland)	1303	230.2	5	Vorarlberg (Germany)
359.5	834.5	18	Budapest (No. 2) (Hungary)	877	342.1	70	LONDON REGIONAL			0.5	Danzig (Danzig Free City)
375	800	40	Sverdlovsk (U.S.S.R.)	886	338.6	15	Graz (Germany)	1312	228.7	0.25	Karlstad (Sweden)
		30	Banská-Bystrica (Czecho.)			15	Linz (Germany)			2.5	Malmö (Sweden)
392	765		(Power 15 kW after 6 p.m.)	895	335.2	10	Helsinki (Finland)	1321	227.1	0.25	Norrköping (Sweden)
		2.5	Boden (Sweden)			1.5	Limoges (PTT) (France)			0.25	Trollhättan (Sweden)
401	748	1.3	Geneva (Switzerland)	904	331.9	100	Hamburg (Germany)	1330	225.6	2	Magyaróvár (Hungary)
413.5	726	0.6	Ostersund (Sweden)			10	Dniepropetrovsk (U.S.S.R.)			2	Bremen, Flensburg, Hanover, Stettin (Germany)
431	696	10	Voronezh (U.S.S.R.)	913	328.6	60	Toulouse (Radio - Toulouse) (France)	1333.3	225	0.5	Magdeburg (Germany)
		10	Oulu (Uleaborg) (Finland)			32	Brno (Czechoslovakia)			..	Thessaloniki (Greece)
<b>Band No. 3. 500-1,500 kc/s.</b>											
512	586	0.5	Tartu (Estonia)	922	325.4	15	Brussels (No. 2) (Belgium)	1339	224	2	Lódz (Poland)
519	578	0.7	Hamar (Norway)	932	321.9	12	Algiers (North Africa)			1	Montpellier (PTT) (France)
		1	Innsbruck (Germany)	941	318.8	10	Göteborg (Sweden)			0.5	Cairo (No. 2) (Egypt)
527	569.3	6.3	Ljubljana (Yugoslavia)	950	315.8	100	Breslau (Germany)	1348	222.6	0.5	Dublin (Eire)
		10	Viipuri (Finland)	959	312.8	60	Poste Parisien (France)			2	Königsberg (No. 2) (Germany)
536	559.7	50	Wilno (Poland)	968	309.9	10	Odessa (U.S.S.R.)			1	Naples (No. 2) (Italy)
546	549.5	120	Budapest (No. 1) (Hungary)	977	307.1	100	NORTHERN IRELAND REGIONAL			0.15	Rjukan (Norway)
556	539.6	100	Beromünster (Switzerland)			50	Bologna (Radio - Marconi) (Italy)	1357	221.1	2	Salzburg (Germany)
		100	Radio Eireann (Eire)	986	304.3	60	Toruń (Poland)			2	Tampere (Finland)
565	531	3	Klaipeda (Lithuania)			60	Hilversum (No. 2) (Holland) (Power 10 kW only until 8.40 B.S.T.)	1366	219.6	0.7	Bari (No. 2) (Italy)
574	522.6	100	Stuttgart (Germany)	995	301.5	60	Bratislava (Czechoslovakia)	1375	218.2	5	Genoa (No. 2) (Italy)
583	514.6	20	Alpes-Grenoble (PTT) (France)	1004	298.8	13.5	Chernigov (U.S.S.R.)	1384	216.8	4	Milan (No. 2) (Italy)
592	506.8	50	Madona (Latvia)	1013	296.2	70	MIDLAND REGIONAL	1393	215.4	25	Notodden (Norway)
		100	Vienna (Germany)			3	Barcelona (EAJ15) (Spain)	1402	214	2	Rome (No. 3) (Italy)
601	499.2	15	Athens (Greece)	1022	293.5	1.7	Cracow (Poland)	1411	212.6	0.2	Turin (No. 2) (Italy)
		20	Rabat (Morocco)			0.7	Oviedo (Spain)	1420	211.3	10	L'Île de France (France)
610	491.8	10	Sundsvall (Sweden)	1031	291	100	Königsberg (No. 1) (Heilsberg) (Germany)	1438	208.6	0.5	Basle, Berne (Switzerland)
620	483.9	15	Florence (No. 1) (Italy)			5	Paredo (Portugal)	1456	206	7	Warsaw (No. 2) (Poland)
625	480	20	Brussels (No. 1) (Belgium)	1040	288.5	120	Leningrad (No. 2) (U.S.S.R.)	1465	204.8	0.1	Radio-Lyons (France)
		10	Cairo (No. 1) (Egypt)	1050	285.7	50	Rennes-Bretagne (France)			0.1	Stara-Zagora (Bulgaria)
629	476.9	20	Kouibyshev (U.S.S.R.)	1059	283.3	20	Bari (No. 1) (Italy)	1474	203.5	1.25	Radio-Normandie (France)
		20	Christiansand (Norway)	1068	280.9	2	Radio-Cité (Paris) (France)			0.5	Vaasa (Finland)
		20	Lisbon (Emissora Nacional) (Portugal)	1077	278.6	60	Bordeaux-Lafayette (France)	1487	201.7	0.5	Alexandria (No. 2) (Egypt)
		20	Trondelag (Norway)	1086	276.2	2	Falun (Sweden)			2.5	Kaiserslautern (Germany)
638	470.2	120	Prague (No. 1) (Czechoslovakia)	1095	274	0.7	Zagreb (Yugoslavia)	1492	201.1	1	Milan (No. 3) (Italy)
648	463	100	Lyons (PTT) (France)			5	Madrid (EAJ7) (Spain)			0.1	Turku (Finland)
658	455.9	10	Petrozavodsk (U.S.S.R.)	1104	271.7	25	Vinnitsa (U.S.S.R.)	1456	206	1.25	Miskolc (Hungary)
		100	Cologne (Germany)			10	Kuldīga (Latvia)	1465	204.8	0.1	Eiffel Tower (Paris) (France)
668	449.1	20	Jerusalem (Palestine)	1113	269.5	60	Melnik (Czechoslovakia)			0.1	Antwerp (Belgium)
677	443.1	70	NORTH REGIONAL			6.25	Nyiregyháza (Hungary)	1474	203.5	0.1	Courtrai (Belgium)
686	437.3	100	Sottens (Switzerland)	1122	267.4	60	STAGSHAW (Newcastle)			1.25	Pécs (Hungary)
695	431.7	20	Belgrade (Yugoslavia)			0.5	Alexandria (No. 1) (Egypt)	1487	201.7	1	BOURNEMOUTH
704	426.1	120	Paris (PTT) (France)	1131	265.3	100	Hörby (Sweden)			0.3	PLYMOUTH
713	420.8	120	Rome (No. 1) (Italy)			60		1492	201.1	0.1	Binche (Belgium)
		17	Hilversum (Jaarsveld) (Holland) (Relays Hilversum No. 1)			60				0.2	Albacete (Spain)
722	415.4	10	Kharkov (U.S.S.R.)			60		1500	200	0.1	Chatelineau (Belgium)
		1	Fredrikstad (Norway)			60				0.1	Nimes (France)
						60				0.5	Santiago (Spain)
						60				0.1	Wallonia (Belgium)
						60				0.1	Liège Experimental, Radio-Cointe (Belgium)
						60				0.25	Pietersaari (Finland)
						60				0.2	Radio-Alcalá (Spain)
						60				0.1	Seraing, Verviers, Wallonia (Belgium)
						60				0.2	Karlskrona (Sweden)
						60				0.1	Liepāja (Latvia)

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