

Shapiro

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World-Radio

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

Broadcasting in
1937: The Year
in Retrospect

Romances of Great
Musicians: Bach's
Two Wives

Aerials in Flats—
Solving the Problem

“Log-Roller’s”
Miscellany

Easy Programme
Guide—See pages
20 and 21



The statue of J. S. Bach, which stands outside St. Thomas's Church, Leipzig, where the great composer was one-time organist (see story on page 7)

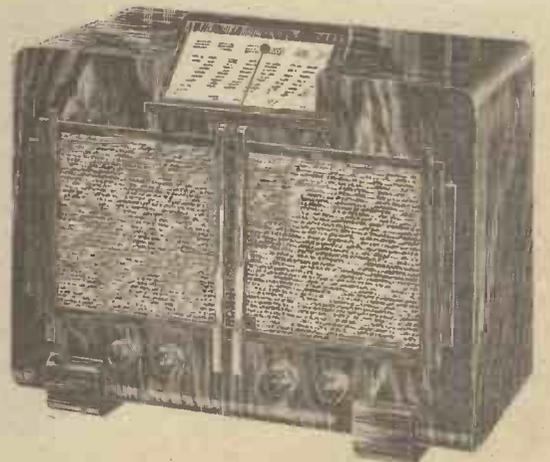
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Lifelike RADIO



An unusual picture in a harmonious setting of Ursula Lentrott, the harpist of the Deutschlandsender orchestra.

Fine French Plays

ONE improvement devoutly to be hoped for in the New Year is that the French stations will be "slicker" with their advance information. The details of forthcoming operatic broadcasts still arrive too late to be included in our programme pages. After that complaint, I am happy to be able to hand a compliment to those in charge of the drama section on the great number of outstanding plays they are presenting, both from their own literature and that of other countries.

Next week's programmes are a fine example of this high quality. At 9.30 p.m. on Tuesday, Radio-Paris will broadcast the Capek Brothers' great play, *Adam the Creator*; and on Friday, Ibsen's *The Doll's House*. At 8.30 on Sunday, Group B (Paris PTT, etc.) is to transmit Racine's drama, *Mithridate*. Jean Richepin's drama, *Le Chemineau*, will be broadcast by Group C (Eiffel Tower, etc.) at 8.30 on Wednesday; and finally, on Saturday, Molière's comedy, *Le Malade imaginaire*, will be Group E's (Lille PTT, etc.) contribution.

A Louis XV Première

ON Tuesday, January 4, at 8 p.m., Brussels No. 1 is to present what it calls a "reconstitution" of a first night at the old Théâtre des Italiens, in Paris, at which Louis XV. was present in his Royal Box. The piece was a comic opera, *Le Déserteur*, by Sedaine, with music by Monsigny, and, with present-day singers and players presenting it, every effort will be made to recapture the atmosphere of that first performance on March 6, 1769.

The opera is long ago forgotten: even its composer's name may well be unknown to most listeners now. But in his own day Monsigny was an idol of the Paris opera-lovers, with many successes to his credit.

THE PICK of the PROGRAMMES

Strictly regarded, he was an amateur musician, his actual jobs being those of Steward to the Duke of Orleans and Inspector-General of Canals; but it was his comic operas which won the Legion of Honour and membership of the Institut for him, and which enriched his old age with constant tokens of affection from all sides. He died in 1817 in his eighty-eighth year.

Max Bruch's Centenary

FOR once the German broadcasting authorities are making an exception to their ban on Jewish musicians. The centenary of Max Bruch's birth is to be marked by performances

this country, too, he is chiefly remembered by his melodious violin concertos: both those sides of his art are to be represented in the broadcast commemorations.

Bruch was a popular figure in England. For four years—from 1880 till 1883—he was conductor of the Liverpool Philharmonic; and in 1893 Cambridge made him an honorary Doctor of Music.

Two Schiller Dramas

ADMIRERS of Schiller will be grateful to Munich for including two of his plays in this week's programmes. At 6.5 on Sunday, *Don Carlos*, one of the several Schiller dramas which Verdi has set to music, will be broadcast from the National Theatre, where it is being presented as an opera. The cast will include such well-known singers as Hans Hermann Nissen, Viorica Ursuleac, and Alexander Svéd, under the direction of Clemens Krauss.

On Tuesday, at 6.10 p.m., the same station will broadcast Schiller's earliest drama, *The Robbers*, which he wrote while still a student. It was the success of this play that prompted him to discontinue his studies and devote himself to writing.

Warsaw Church Carols

AS a climax to the Christmastide festivities Warsaw has arranged a broadcast of "Kolendy" carols, from the famous Fathers Franciscan Church. The choir is noted throughout Poland, and listeners should not miss this opportunity of hearing it.

The second part of the programme will be contributed by Mlle Helena Warpeckowska, the well-known Polish soprano.

Oriental Humour

WHEN the Hamburg station broadcasts at 8.10 p.m. on Friday a programme entitled "The Pranks of Nasreddin Hodsha" listeners will hear a little of a traditional Oriental figure. Nasreddin Hodsha is the Turkish counterpart of the German jester Till Eulenspiegel. Five centuries ago he was the laughing philosopher of his country, and by his pranks he not only served to amuse his contemporaries, but also to instruct them.

The stories told about him have been handed down by successive generations, and have amused the people of many other lands. In Friday's broadcast some of his merry pranks will be heard to the accompaniment of Oriental music.

A HAPPY NEW YEAR
TO ALL OUR READERS

of his music at several stations in Germany, notably Cologne and Stuttgart, as well as elsewhere, on Friday, January 7. Best known in his lifetime as composer of very effective choral music, much of which was popular in



MADAME ISHBELL NAGY, of the Budapest Opera House, who is singing Hungarian popular songs in the broadcast from Budapest at 8.40 to-night

ALL-WAVE

THE WORLD

Canada's High-Power Stations

GIGLI AS A SOLDIER

LISTENERS who do not understand Italian missed a pleasant and interesting little speech by the famous tenor, Beniamino Gigli, when he addressed Italy's soldiers in their various barracks during the recently instituted Soldiers' Hour last Sunday morning. According to the prearranged programme, Gigli sang three Neapolitan songs for the soldiers who were listening in barrack and camp in Italy and in the Libyan colonies. But he prefaced his songs with a little address which ran something like the following:—

"Fellow-comrades in arms, I too was a soldier during the Great War, though I am not going to boast of any military prowess. I fear I was a soldier in rather a rose-water fashion. I do not think I was a very good soldier, though I did my best. At any rate, when I went up for my examination to become a non-commissioned officer, they turned me down, which was a severe blow to me. Then they put me into a military telephone exchange which was connected with the ordinary public exchanges. I remember that I used to pass the time when there were no calls and nothing to do by singing songs over the telephone to the signorine at the public exchange."

Gigli said he was proud to have been a soldier in the Army, even though his military career had nothing remarkable about it.

North American continent. It will serve exclusively the French-speaking population of the province of Quebec, with broadcasts in their own language. The Corporation's Montreal station CBM will continue to serve the English-speaking population of the province.

Mr. Howe announced that another 50 kW station situated at Hornby, Ontario, would be inaugurated on Christmas morning to serve the English-speaking people of Ontario.

New Zealand's 60 kW station still remains the most powerful in the overseas Empire.

BBC ARABIC BROADCASTS

THE first transmission from Daventry of news in foreign languages will be broadcast in Arabic on Monday, January 3, from 6.0 p.m. until 6.15 p.m. (G.M.T.) on a wavelength of 31.32 metres.

Several distinguished representatives of the Arabic-speaking countries of the Near East will take part in the opening ceremony. Four other messages of greeting will be broadcast from his Excellency the Egyptian Ambassador (read in his absence in Egypt by the Chargé d'Affaires of the Egyptian Embassy), their Excellencies the Ministers of Saudi Arabia and Iraq, and Sir Bernard Reilly, Governor of Aden.

From January 4 onwards, daily transmissions of Arabic announcements will be broadcast.

A SALT LAKE CITY SCHEME

THE Mormon Church has applied to the Federal Communications Commission of the U.S. Government for authority to construct the most powerful short-wave broadcasting station in the country. The station, to be erected near Salt Lake City, Utah, would have 50 kW power.

It was stated that the countries designed to receive the programmes comprise the continents of Europe, Australia, Africa, and South America.



BOB TROUT, one of America's best-known radio reporters, who is responsible for the last-minute news flashes in the broadcasts from the Wayne short-wave station every Monday at 10 p.m., G.M.T.

Trout, who usually accompanies President Roosevelt on his travels, takes the latest headline items and dovetails them into a perspective of the week's events.

Notes on Interference Suppression.—No. 11

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CANADA'S HIGH-POWER STATIONS

CBF, Canada's new 50 kW station at Verchères, Quebec, 35 miles east of Montreal, was officially opened on the evening of December 11 by the Hon. C. D. Howe, Minister of Transport, and the Rt. Hon. Ernest Lapointe, Minister of Justice of Canada. The station, one of six to be erected across Canada by the Canadian Broadcasting Commission is the most powerful in the Dominion, and ranks high amongst the stations of the



THREE MERRY MEN OF COLOGNE.—The famous trio who with their "magic" lantern illuminate world affairs in their own inimitable style. They recently returned to the microphone after an absence of over a year.

OF RADIO

The PTT "Soirée Tournante"

MR. ROOSEVELT'S RECORD

PRESIDENT ROOSEVELT made twenty broadcast speeches during 1937, bringing his total microphone "appearances" up to one hundred and ten since he first took office in March, 1933.

The Secretary of Agriculture, Mr. Henry A. Wallace, however, held the record among American statesmen with a total of twenty-two broadcast speeches; with the Postmaster-General, Mr. James A. Farley, second with sixteen.

The most "attention-compelling" broadcast of the year (says the NBC report) was that delivered by the then newly-appointed Supreme Court Judge, Mr. Hugo L. Black, in reply to the charge that he was once a member of the Ku Klux Klan.

AN EXCITING JOB

Two rowing-boats and five pairs of skis are vital parts of the equipment in the CBS transmitting shack at Wayne, New Jersey. In spring, the Pequannock overflows its banks, and the only way for the engineers to get to and from work is to row (see picture below). In winter, the shack becomes snowbound, and they can reach it only on skis. Several of the staff had to have ski-ing lessons in order to travel "by the quickest route."

When there are neither floods nor blizzards lightning saves things from getting dull for the men at the Wayne transmitters. Whenever a thunderstorm breaks they all know the towering aerial is going to be hit—"and hit hard" according to the supervisor. The consequent crash can be heard for miles around, although conductors keep the damage to a minimum.



The waterlogged short-wave transmitter at Wayne.

YOUNG PEOPLE'S CONCERTS

ERNEST SCHELLING, who is disabled owing to injury to an eye, has regretfully cancelled his engagement for this season as conductor of the eighth season of "Young People's Concerts" to be given by the Philharmonic Symphony Society over the WABC-Columbia network.

His place will be taken by Rudolph Ganz, the eminent Swiss pianist, composer, and conductor for the five concerts on January 15 and 29, February 12 and 26, and March 12. John Barbirolli directed the opening programme on December 18.

SIR ERNEST MacMILLAN

SIR ERNEST MACMILLAN, conductor of the Toronto Symphony Orchestra since 1931, will be guest conductor of an important sponsored Sunday Evening Hour series over CBS, from February 27 to March 27. Sir Ernest, who was born near Toronto in 1893, happened to be visiting Bayreuth, Germany, at the outbreak of the War, and was interned at the notorious Ruhleben Camp until 1918. During his imprisonment he composed a choral-orchestral work which was subsequently to win him the degree of Bachelor of Music from Oxford. He has been guest conductor for three successive seasons for the British Broadcasting Corporation.

WORLD-FAMOUS MUSICIANS

SIR ERNEST'S name completes the 1937-38 roster of internationally-known orchestral directors for this series, which includes Jose Iturbi, Eugene Ormandy, Fritz Reiner, and John Barbirolli, of the New York Symphony Orchestra.

Guest artists who will appear while the Detroit Symphony Orchestra is under Sir Ernest's direction will include Kirsten Flagstad, the celebrated Wagnerian soprano, Lily Pons, Metropolitan Opera coloratura; Jose Iturbi, as piano soloist; and Nino Martini, the famous Italian tenor.

"SOIRÉE TOURNANTE"

THE words "Soirée Tournante" which have been appearing lately over the programmes of the Paris State stations, generally on Saturdays, must have puzzled a good many listeners. It is the name given to the system of alternative programmes adopted by these stations about two months ago. Three programmes are arranged, one being dramatic, one musical, and one variety, and each programme is divided into two parts. Two Paris State stations then broadcast the six parts in such a way that a listener to one station will hear one part of each programme, but he can hear the dramatic or either of the other programmes in their entirety by switching over to the other station at the appropriate moment.

On New Year's Day Radio-Paris, Eiffel Tower, and Paris PTT are taking part in the "Soirée Tournante," during which many



SYLVIA CLARK, a versatile comédienne, who broadcasts regularly from the Bound Brook short-wave station, W3XAL. Miss Clark, who was born in Palestine, is a clever impersonator, and has appeared on the stage in this country and on the Continent. She also writes fiction and popular music.

cinema and broadcasting stars will describe their first appearances; and some of them will take part in the dramatic programme.

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BROADCASTING IN 1937

The Year in Retrospect

DURING 1937 broadcasting made steady progress in most countries, but it has not yet reached the stage where it is accepted like gas, electric lighting, or other public services. It is still full of surprises, and is liable to become front-page news at any moment. In the year now passed it was frequently the occasion of historic and dramatic episodes.

The Coronation Ceremony

By common consent the transmission of the Coronation ceremonies was acknowledged to be the most important and impressive broadcast ever attempted. Thanks to the co-operation of the Post Office and the various broadcasting authorities of the world, the BBC was able to give hundreds of millions of listeners the opportunity of hearing and taking part in the Crowning of the King and Queen.

For the first time in history the peoples of the British Commonwealth took part in a coronation, and listeners in the remotest parts of the Empire heard the ceremony better than the majority of those who were present in Westminster Abbey.

The Ohio Floods

If the Coronation provided the grandest and most impressive broadcasts of the year, the disastrous floods in Ohio furnished the greatest human story in the history of broadcasting. Radio was instrumental in saving hundreds of thousands of lives, by appealing for boats, food, and medical supplies, by giving warnings, spreading information, and rendering assistance in innumerable ways.

The relatively small casualty list—a few hundred out of a potential million victims—was in large measure due to the magnificent work of broadcasting stations great and small. Amateur transmitters in the flooded areas also rendered the most conspicuous service.

The Microphone in War

The world was cursed with two major wars during the year, and in this unwelcome sphere radio played an important part. In Spain some stations which formerly pursued their normal functions have been used by one side or the other for military purposes. In spite of this the programmes from the Madrid station have been rarely interrupted. The Barcelona station has been active on behalf of the Government, while General Franco has command of a number of stations, and has made abundant use of Salamanca as well as of Seville.

In the Sino-Japanese conflict radio has also played an important part, although, of course, Japan is better equipped in this respect. In Shanghai and other centres of British influence the news bulletins from Daventry have been eagerly awaited and, in numerous instances, have been the centre of the day's interest. Many Shanghai residents did not know what was happening in the city until they heard the BBC bulletins. Incidentally, it may be added that the Daventry news bulletins about the war in the East have been followed with the utmost interest and anxiety in India, Malaya, and the East generally. The fairness and accuracy of the bulletins are generally recognised.

A Messenger of Peace

Despite the fact that war has been literally and metaphorically very much in the air, broadcasting authorities have not neglected to work for peace. The International Broadcasting Union, at its Berlin meeting, called upon its members to publish an account of all that they had done to acquaint their listeners with the institutions and cultural activities of other countries. The Council decided to press on with its investigations of the ways in which broadcasting can be utilised for the *rapprochement* of the peoples.

A conference at Buenos Aires instituted a Pan-American Hour, to be given weekly if possible. During this hour all national propaganda should cease, and the broadcasting stations of each country concerned would



The disastrous Ohio Floods.

record and comment on the important events in other South American countries.

Broadcasting authorities have tried in other ways to further international good will. The BBC has had an unprecedented number of relays from the United States and from Europe. The U.S.A. stations, as well as many on the Continent, have returned the compliment. Even in Europe there have been many complimentary exchanges of programme material. France, in particular, has spared no pains to let her listeners know about the cultural and musical life of Germany. In fact, broadcasting is playing an increasingly important part in letting one half of the world know how the other half lives.

Broadcasts in Foreign Languages

During the year there was a considerable increase in the number of broadcasts from European stations in foreign languages. Occasionally, some of the news bulletins in these broadcasts have been more picturesque than accurate. Certain pronouncements have not been calculated to improve international good feeling. This country has been reluctant to enter this field and has been unwilling to meet propaganda with propaganda. It has been felt that straight, honest, reliable news was in the long run the best form of counter-propaganda.

The time has now arrived, however, when such news must be given in languages other than English. In the House of Commons, on October 30, Sir John Simon recalled that the Ullswater Committee on broadcasting made recommendations to the effect that the appropriate use of languages other than English

should be encouraged. Inquiries which had since been made by his Majesty's representatives abroad had led to the conclusion that such broadcasts from Britain would be welcomed, particularly by Spanish and Portuguese listeners in South American countries, and broadcasts in Arabic by listeners in the Near East. The first transmission of news in Arabic will take place on January 3 next.

A Record of Steady Progress

Broadcasting depends for its success, ultimately, on the general excellence of its daily service rather than on occasional spectacular or sensational features. Judged by this standard, broadcasting in 1937 has made steady progress. In nearly every country there has been a substantial increase in the number of licences. Britain and Germany have long been competing for first place. To-day, however, Germany appears to be leading in spite of its half-a-million listeners who do not pay for their licences.

Astonishing progress has also been made in France, where there are now over 4,000,000 licensed listeners. France has taken its place definitely as one of the great broadcasting powers. Record licence figures are also reported from all the British Dominions and from India. In the United States it is calculated that there are 25,000,000 sets in homes and 4,500,000 in motor cars.

Considerable steps have been made in educational broadcasting. The pioneering methods of the BBC in this field have been adopted all over the world. Even in China, the pupils in thousands of secondary and elementary schools were receiving lessons by wireless.

Colonial Broadcasting

A Committee, appointed by the British Colonial Office, has been considering the problems of broadcasting in the Crown Colonies, and has issued an interim report. The Committee envisages the development and justification of Colonial broadcasting as an instrument of advanced administration, the primary function of which is not merely entertainment, but the enlightenment and education of the more backward sections of the population, and for their instruction in public health and agriculture. Two systems of broadcasting, wired and wireless, were taken into account. Wire broadcasting should be confined to limited and closely populated areas. It was better to have a broadcasting system partially financed by advertising than to have no system at all.

The Short Waves

There is no need to stress in WORLD-RADIO the importance of short-wave broadcasting. All the great broadcasting powers have turned their attention to short-wave broadcasting as the best means of "telling the world." Three new 50 kW transmitters have been installed at Daventry, which has become the greatest short-wave centre. Germany, Italy, France, Japan, and Russia have intensified their short-wave activities, and the United States is once more in this field on a large scale.

The world of radio has suffered an irreparable loss in the death last July of Marchese Marconi, without whose labours broadcasting would not have been possible.

ROMANCES OF GREAT MUSICIANS

The Two Wives of J. S. Bach

By Dr. ERWIN KROLL

WHEN, as a young musician, Johann Sebastian Bach took up his first appointment as an organist at Arnstadt, he caused the disapproval of the congregation, not only by his unconventional organ playing and accompaniment, but also by the fact that he had admitted to the choir a "strange young woman," whose voice had been heard in the empty church while he was practising at the organ. She was Maria Barbara Bach, a cousin; and in 1707, when he was appointed organist at Mühlhausen, in Thuringia, she became his bride.

The wedding ceremony took place in the little village church of Dornheim, near Arnstadt, and it was followed by a short honeymoon at Erfurt. His appointment at Mühlhausen, however, did not last long. In 1708 the Duke of Weimar appointed him Court organist, and during the period that followed Bach wrote cantatas and important works for the organ. In 1717 the Prince of Anhalt appointed him Director of Music at his Court at Köthen. This appointment did not include Church work, and his writings of this period consisted predominantly of instrumental compositions; occasionally, too, he would accompany his chief on his travels. It was during one of these journeys in the summer of 1720 that Bach suffered the loss of his wife. Their marriage had lasted for thirteen years.

New-Found Joy

For his second wife Bach married Anna Magdalena Wilcken, a native of the Thuringian town



A contemporary portrait of J. S. Bach

of Zeitz. She was barely twenty years old—sixteen years her husband's junior—but she quickly adapted herself to her new surroundings. Not only did she present Bach with a number of children, but she became his zealous and apt

pupil and untiring helpmate in his creative work. He wrote two delightful music books specially for her, in one of which he inscribed a dedication ending with the words: "What wonder that my mouth and heart are brimming over with joy."

Anna Magdalena learnt to play the piano, and she transcribed her husband's music so exactly and so well that often her writing could not be distinguished from his. In 1723 the Master took up his last appointment, that of Cantor at the Thomaskirche at Leipzig, and Director of Music at the University. It was here that all his masterpieces were written. During his twenty-seven years' activity at Leipzig—years that certainly did not lack hardships and disappointments—Anna Magdalena was his faithful companion. She sang in his church choir, and in his home she was the mainstay of his musical services.

The Poverty-Stricken Widow

In 1730, writing about his children to a friend, Bach observed: "Without exception they are born musicians. I can assure you that I can organise a vocal and instrumental concert with the members of my family, especially since my present wife possesses a pleasant soprano voice, and my eldest daughter is also able to sing quite well." Anna Magdalena survived her husband by ten years, and poverty overshadowed her widowhood. After the distribution of Bach's possessions, she was left a poor woman. Some of their children could not, and others would not, assist her, and she died an inmate of the Poor Law institution. She was buried by the side of her husband, whose name had long been forgotten in Leipzig. It has been left for posterity to recognise the genius of one of the world's greatest musicians.

LEAVES FROM MY LOG

By "Log-Roller"

THE BEAT OSCILLATOR

A GOOD many American sets which take in some of the ultra-short-wave bands are provided with what is known as a beat oscillator. This is simply a valve, which can be switched on or off at will, so arranged that it generates oscillations which are fed to the second detector of a superhet. Its purpose is to enable small incoming signals to be heterodyned and so call attention to their presence by squeals. So far, few British sets have the beat oscillator. Our designers are always rather chary of adding valves, and they may feel some reluctance to incorporate in their circuits a valve which is only occasionally brought into action by the average user of an "all-wave" set. Still, if you have done much ultra-short-wave work, you will be in no two minds about the usefulness of the beat oscillator in superhets. It is very handy, too, on the short waves when you are searching for signals on some of the crowded wave-bands. It gives you all the benefits of "tuning by the squeal," but none of the drawbacks, since it cannot cause interference with other people's reception.

INTERFERENCE ON THE ULTRA-SHORTS

Have you come across a peculiar form of what appears to be atmospheric interference on the ultra-short waves? It has been reported from several quarters as occurring occasionally on frequencies between 28 and 31 megacycles. This interference is heard as a loud "sizzling" or "bubbling" noise, and when it is observed there is usually a marked falling off in signal strength

within a short time. One reader tells me that an explanation of the interference offered is that it is caused by an outburst of intense bombardment of the upper atmosphere by electrons from the sun. Further information about the interference and other suggestions as to its cause would be welcome.

WE OUGHT TO MAKE A STAND

Unless you are fortunate enough to live at some distance from a road along which there is a stream of mechanically-propelled traffic, you must have experienced the particularly obnoxious form of interference to which the ignition systems of some petrol engines give rise on both the short and the ultra-short waves. Though it is just possible that the emission of such interference might be held legally to constitute a radio transmission, and to be therefore an infringement on the prerogatives of the G.P.O., the BBC, and the licensed amateur, no decision on the point has been given, so far as I know. I believe I am right in saying that in most of the new cars the ignition systems are guaranteed to be non-radiating. Whether or not this is so, short-wave and ultra-short-wave enthusiasts have it in their power to strike a blow for the clearance of the ether by refusing to purchase any car, new or second-hand, unless it is shown to be incapable of radiating interference. The same thing applies to all kinds of domestic electrical apparatus. Don't you think it's up to us?

THE NOT-SO-VERY-OLD DAYS

The recent correspondence in WORLD-RADIO about the reception of low-powered stations in

France, Scandinavia, and other European countries has proved very interesting, if only because it shows what a change has come over conditions during the last few years. Listeners are surprised now-a-days when they obtain pretty good reception from foreign stations rated at between 1 and 2 kilowatts. I have just looked out an old log-book containing daily records of foreign reception and a copy of WORLD-RADIO of the period, which shows the then power of the stations logged. Lyons La Doua, which in those days worked on 465.8 metres, is shown, not just occasionally, but day after day, as a first-rate signal. Its power was 1.5 kilowatts. Paris PTT, then better known as the Ecole Supérieure, was also as a rule a first-rate and consistent transmission. Its power was 0.77 kilowatt. Madrid Union Radio (2 kilowatts), Hamburg (1.5 kilowatts), Naples (1.5 kilowatts), Rennes (1.3 kilowatts), Lille (1.3 kilowatts), Barcelona (1 kilowatt), Juan-les-Pins (0.8 kilowatt)—these were amongst other small stations that are shown as coming in well more often than not. And just how old do you think those records are? Exactly four years: they relate to Christmas week of 1933!

STILL SMALLER FRY

But that is by no means the whole tale. In those days it was not unusual to hear Freiburg-im-Breisgau strongly on 570 metres, though its power was but 0.25 kilowatt. Bremen, Trollhättan, Kalmar, Gävle, Jönköping, and Karlskrona—all rated at from 0.2 to 0.25 kilowatt—used to make quite frequent appearances in the log. Some of those stations have disappeared now, others are now on common wavelengths, others again have greatly increased their power. But Karlskrona is still rated at 0.2 kilowatt, and still has an individual wavelength on 196 metres. If your set will tune down low enough, see what you can make of it now.

READERS' FORUM

EUROPEAN MEDIUM WAVES

SIR,—I am very interested in the correspondence in WORLD-RADIO about low-powered French stations. Radio-Cité comes in here very well, but I doubt whether it is using 800 watts—more, I should say. I notice none of your correspondents mention Bordeaux-Sud-Ouest, which I cannot get at all, for all its 30 kW!

Has anyone noticed how well Hilversum, on 415 metres, is coming in now, especially in the mornings?

It is interesting to note that all the American radio papers give Limoges as using 100 kW.

Thank you for the excellent Christmas Number.

L. J. STUBBINS.

Acton, W. 3, December 20.

TRANSATLANTIC MEDIUM WAVES

Several correspondents express surprise at reception from low-powered European stations being so good. But in view of the fact that American and Canadian medium-wave stations of 1 kW power are often heard, I don't think there is anything to marvel at in this. Yesterday morning, December 18, provided really first-class reception from the U.S.A. The high spots in the way of entertaining programmes were WBZ, WTIC, WBT, WPG, and WCAU. A surfeit of dance music and news bulletins was being served up by, amongst others, WOR, WABC, WJZ.

I tuned in to WBT at 2.30 a.m. just as they were changing over from a Hollywood relay to a real hot variety programme. Then I had a spice of drama and an interesting talk on Japanese-American relations from WTIC. Next I listened to a running commentary from WBZ on the fight between Buddy Baer and Eddie Hogan. Reception was perfect, and the supercharged high-speed delivery of the commentator, cheers of the crowd, sound of the gong, all came over well. WCAU and WPG gave us a real treat in a programme of vocal items with organ accompaniment.

"Distance lends enchantment," and those of

us who "oft in the stilly night" roam the ether are well advised by your contributor, R. W. Hallows, to use big sets, though mine is only a seven-valve—just one short of the eight-valve minimum recommended by R. W. H.

J. P. WALSH.

Belfast, December 19.

DROITWICH AND STUTTGART

"Geophysic" has raised an interesting question. Droitwich, the interfering transmitter, is almost exactly in line with Co. Mayo and Stuttgart, and this fact would doubtless account for his experience. I also have some difficulty in hearing Stuttgart, the interfering transmitter in my case being Luxembourg itself. The interesting point is that Stuttgart, Luxembourg, London, Droitwich, and Co. Mayo are all in the same straight line; this would appear to suggest that where there are two intermediate transmitters the one nearer the receiver may alone be responsible for interaction. Has "Geophysic" ever detected a third signal on Stuttgart's wavelength? If not, would he listen for Luxembourg one Sunday evening after Droitwich has closed down for the day? He may be able to pass on useful information.

A further point of interest is that "Geophysic" seems to have heard the interfering station at greater signal strength than the original transmission. I was not aware that such a thing was possible until Sunday, November 28, at 11 p.m., when I heard Luxembourg coming through at a good R8 on 522.6 metres, Stuttgart being only just audible. The two waves from Stuttgart (reflected and direct) were

evidently almost neutralising each other (my receiver has an A.V.C.), but the Luxembourg signal, arriving on the reflected wave alone, was naturally quite unaffected.

S. LUCAS.

London, E.4, December 11.

* * * * *

In reply to "Geophysic," may I say that at 9.5 p.m., December 10, while listening to Stuttgart, I, also, heard the Droitwich transmission? The Third News, on the National wavelength, was providing a background to the Stuttgart programme. On the same evening, at 7.15 p.m., I could also hear Droitwich between gaps in the programme from Paris PTT.

K. A. MACKAY.

18, Fishergate Hill, Preston, Lancs.

PAGANINI—FERRARESI

Surely there cannot be another violinist in the world who plays Paganini at such phenomenal speed as Aldo Ferraresi. I am referring to his performance of the first movement of the Concerto in D Major (Paganini), on December 12, from Cologne. Not even Menuhin, Franciscatti, Pñihoda, or Theo Olaf can compare with him in playing this movement.

K. A. CRISP.

London, N.19, December 13.

INTERFERENCE

Mr. P. C. Hardy mentions that recently he has experienced interference similar to a vacuum-cleaner. The period of time he mentions coincides with the interference I have been receiving on my own set. At first I thought a valve had gone, but on having a radio engineer up to see to the set, he had no sooner heard it than he said that the interference was general around the district, and that only by the use of a special eliminator could it be counteracted. I might mention, however, that this noise came in spasms; and while on some days nothing at all was heard, at other times only the stronger stations could be heard with clarity.

J. N. SWAIN.

Shooters' Hill, S.E.18, December 11.

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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LISTENERS' QUERY SERVICE

Which station was that?

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

Free Queries

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

The Alternative Postal System

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

Time of Reception

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

PERFECT THREE (Rothsay): YDB, Sourabaya (Java), on 31.2 m. **CLARINDA (N.13):** (1) possibly YV3RA, Barquisimeto (Venez.), on 5.88 Mc/s; (2) apparently, sixth harmonic of Poste Parisien (Paris) on 5.755 Mc/s. **GEORGE (Potters Bar):** Regret, cannot trace. **RODNEYLIAN (Plumstead):** (8) Barcelona, ECN/CNT, last reported on 41.5 m. **FOOTBALL FAN (N.12):** (1) the only U.S.S.R. station near your frequency is RW59, Moscow (6.00 Mc/s); (2) PRF5, Rio de Janeiro (Brazil), on 9.50 Mc/s; (3) it is impossible to identify unless call-sign is given, as there are many Spanish stations working on channels between 40 and 49 m.; (4)

HJ1ABP, Cartagena (Colombia), on 9.61 Mc/s; (5, 6, 7) WTIC, Hartford, works on 1040 kc/s and 1060 kc/s; WHO, Des Moines (Iowa), on 1000 kc/s, and WHN, New York, on 1010 kc/s; all in the NBC network. Your queries 8-13 have been held over for lack of coupons. **D. W. (Glasgow):** The details you submit are too vague to permit identification. **SANDY (Southampton):** XGW, Shanghai (28.79 m.). **EAGER (Huddersfield):** Radio Luxembourg background heard on 405.4 m. **APPROX (Harrogate):** (1) vague; might tally with HISG, Concepcion de la Vega (Dominican Republic), on 31.58 m.; the words heard were doubtless: "Republica Dominicana;" (2) French stations were not working at that time; probably OAX47, Lima (Peru), of which the call is Radio Nacional. **MANWOODIAN (Ramsgate):** COCM, Havana (Cuba), on 30.51 m. **KNOB TWIDDLER (Winchester):** (6) regret, cannot identify; IZRO, Rome, is entitled to use 48.7 and 49.3 m. among other wavelengths; (7) either YV14RC, Caracas (47.85 m.), Emisora La Catorce or YV5RJ, La Voz de la Esfera, Caracas (Venez.), on 48 m.; (8) possibly W1XAL, Boston (Mass.), on 21.46 Mc/s; NBC network. **BRUMMY (Sparkhill):** (14) ZBW4, Hong Kong, is advertised to close down on Saturdays at G.M.T. 16.00, but may have extended its transmission; RW96, Moscow, works on 19.76 m.; (15) Algiers-Eucalyptus (North Africa) relays Poste Colonial, Paris, and also Algiers (medium-wave), as required, on 24.75 m.; (16) yes, COCD, Havana (Cuba), on 48.92 m.

AMATEUR TRANSMITTERS

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

Esperanto Transmissions

Sunday: Hilversum 2, Kroniko. **Monday:** Sottens, 5.20 p.m. Kurso de S-ro Bouvier. Rome (31.13 m.), 9 p.m. Generalaj Novajoj. Paris (PTT), 10.45 p.m. "La Verbo Ami" de S-ro P. Mortier (Radiokomedio). **Tuesday:** Hilversum 2, 6.20 p.m. Kroniko. Tallinn, 7 p.m. Pri la Estonia Vivo. Kaunas, 8.20 p.m. Nja Anguleto—Pri Litovujo. Rio de Janeiro (31.58 m.) 11.30 p.m. Informoj pri Brazilo. **Wednesday:** Paris (PTT) and relays, 2 p.m. Elementa Kurso. Lyons (PTT), 8.5 p.m. Esperanta Kroniko. **Thursday:** Rome—as for Monday. Prague and relays, 9.20 p.m. Radioludo: Silvio Pellico—verko de R. Habrina. **Saturday:** Hilversum 1, 4.10 p.m. Informoj. Rome, 6 p.m. Turismo en Italujo.

IDENTIFICATION COUPON (No. 464)

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

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

TELEVISION NOTES AND PROGRAMMES

Polish Ballet at Alexandra Palace

By "THE SEER"

BALLET-LOVERS have been well served by television, but not often have they been offered two outstanding ballet programmes in one week. In both afternoon and evening programmes on January 3 the Vic-Wells Company will perform Lord Berners's *Wedding Bouquet*, and on the following afternoon members of *Les Ballets Polonais* from Covent Garden will visit Alexandra Palace to give selections from their repertoire.

The *Wedding Bouquet* is a choral ballet with words by Gertrude Stein, and here is an opportunity to extend the principle of off-stage sound and visual action which proved so successful in *Hänsel und Gretel*. Lord Berners, besides writing the music, has designed the dresses which will be seen in television.

The Polish Ballet, now visiting England for the first time, is a distinct capture for television. The Ballet won the Grand Prix de Ballet during the recent International Exhibition in Paris. Directed by Bronislava Nijinska, the celebrated choreographer, the members work in settings specially designed and executed by Polish artists, and in the television presentation every effort will be made to produce the authentic atmosphere.

Fifty-nine people took part in *Hänsel und Gretel* when Humperdinck's fairy-tale opera was televised in a masque version on December 23 and 27. The double cast, consisting of child players and singers off-stage, numbered twenty-eight, while the augmented Television Orchestra accounted for another thirty-one—probably a record. Fortunately, No. 2 studio, now

adequately lighted, was brought into use for the witches' dance and ballet sequences, otherwise the congestion in Studio No. 1 would have been intolerable.

Another big cast will appear this evening (December 31), when more than fifty stars make a personal visit to the studios to take part in *From Alexandra Palace, 1936-37*, a review of the television service since the first transmissions to Radiolympia in 1936. Exactly 338 "shots" are included in the longest 'script ever used in a television programme. The guest artists will include Nelson Keys, Ivy St. Helier, Hermione Baddeley, Sidonie Goossens, John Goss, Margot Fonteyn, Joan Collier, William Devlin, Esmond Knight, Irene Prador, and many others whom viewers have seen and heard during the past year.

D. H. Munro, who has prepared this ambitious feature with L. G. Barbrook, is incorporating nearly 200 film excerpts, many of them taken side by side with the television cameras at such events as the Coronation Procession, the Lord Mayor's Show, and sporting contests. Certain studio items were also filmed, notably some of the highlights in "Picture Page."

Drama is presented in two ways at Alexandra Palace. One method is to select excerpts, or perhaps an act, from a current stage play and give a "straight" rendering in the television studio. The other method is to "start from scratch," making a television 'script from the original drama and, in effect, creating a new version which tells the whole story in miniature.

PROGRAMMES

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

MONDAY, January 3

- 3.0 p.m.—Starlight : Phyllis Robins.
- 3.10 — The Potter's Wheel : a demonstration by Joan Cowper.
- 3.25—Gaumont-British News.
- 3.35-4.0—The Vic-Wells Ballet in "A Wedding Bouquet."
- 9.0—Cabaret, with Florsam and Jetsam ; Ernest Sewell, conjuror ; Gladys and Kusserow, dancers ; Inga Andersen, in songs.
- 9.25—British Movietonews. 9.35-10.0—See 3.35.

TUESDAY, January 4

- 3.0 p.m.—Bertram Mills's Circus at Olympia.
- 3.30—British Movietonews. 3.40-4.0—Les Ballets Polonais.
- 9.0—Cabaret, with Ingrid Linck in songs, Catherine Marks, in dances, and the BBC Television Orchestra.
- 9.15—Gaumont-British News.
- 9.25—Scenes from Eric Lugg's production of "Treasure Island," by Robert Louis Stevenson.
- 9.50-10.0—The Aspidistras.

WEDNESDAY, January 5

- 3.0 p.m.—Re-View.
- 3.20—Bertram Mills's Circus at Olympia.
- 3.30-4.0—"Picture Page." 9.0—Re-View.
- 9.20—Bertram Mills's Circus at Olympia.
- 9.30-10.0—"Picture Page."

THURSDAY, January 6

- 3.0 p.m.—Cabaret with Ingrid Linck, Catherine Marks, and the Aspidistras.
- 3.20—British Movietonews.
- 3.30-4.0—Act I, "Thank You, Mr. Pepys," by W. P. Lipscomb.
- 9.0—Bertram Mills's Circus at Olympia.
- 9.10—Starlight : Phyllis Robins. 9.20—"Shove Ha'Penny."
- 9.30—Gaumont-British News. 9.40-10.0—Variety.

FRIDAY, January 7

- 3.0 p.m.—Bertram Mills's Circus at Olympia.
- 3.5—Fashions. 3.20—Gaumont-British News.
- 3.30—"From Aesop's Fables."
- 3.50—Cartoon Film : "Puppy Love."
- 3.55-4.0—Pre-View. 9.0—Fashions.
- 9.10—"Plus ça Change," with Archie Harradine, Belinda Quirey.
- 9.25—Bertram Mills's Circus at Olympia.
- 9.35—"The Monkey's Paw," a play by W. W. Jacobs and Louis N. Parker.

SATURDAY, January 8

- 3.0 p.m.—Bertram Mills's Circus at Olympia.
- 3.20—The Hotchkiss Marionettes.
- 3.30-4.0—Roy Fox and his Band.
- 9.0—Roy Fox and his Band.
- 9.20—Gaumont-British News.
- 9.30-10.0—"The Billiard-Room Mystery."
- 9.55-10.0—Pre-View.

HULLO CHILDREN!—and grown-ups, too, are invited to listen—This is Uncle Mac speaking. I want to announce the third edition of our "Children's Hour Annual". This Annual is really the response to many, many requests that some of our most popular broadcast stories should appear in book form. Here, then, is a collection of our best authors in their most entertaining vein ; in addition to the regular London' broadcasters are included some from other Regions.

Please keep this book, adding it to your own special library.

Parents, uncles and aunts are also strongly advised to bear this book in mind as a gift suitable for all occasions.

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AERIALS IN FLATS

The flat-dweller is inevitably confronted with all manner of problems that militate against a hundred per cent. reception, and "the aerial" is not the least of them. An outdoor aerial is generally out of the question, and in this article R. W. HALLOWS describes some of the most effective indoor types

LONDON is rapidly becoming a city of flats, and much the same thing is true of most of the big towns throughout the country. More and more of the people who want to live near the centre of social and business activities, rather than in the suburbs or the country, are forsaking the house for the flat.

The flat has certain wireless problems peculiar to itself. The man who has a house can usually erect some sort of outdoor aerial of his very own; but the flat-dweller can, as a rule, do no such thing, unless he occupies a top-floor flat and has special permission from the landlord.

An indoor aerial may seem to be the obvious solution of the difficulty, but there is the question of man-made interference to be considered. In most blocks of flats there are electric lifts, and unless they are rendered non-radiating by means of suppressor devices they can ruin wireless reception by the appalling noises that they cause the loudspeaker to produce. The indoor aerial may be, so to speak, immersed in the field of the interference.

In addition to lifts, there are sure to be all kinds of domestic electrical appliances—refrigerators, sewing-machines, vacuum cleaners, fans and so on—in use by neighbouring tenants. Each and every one of these can be a powerful radiator of interference unless designed so as to be innocuous.

But it is not only radiated interference that has to be taken into account: there is also the interference which is known as "mains-borne." This is actually brought in by the mains from which the set derives its power and it can be a great nuisance unless steps are taken to eliminate it.

STEEL-FRAMED BUILDINGS

Apart from interference, the flat-dweller may be handicapped in his attempts to make use of an indoor aerial by the very composition of modern buildings. Many of them are built round a framework of steel, which may have a screening effect sufficient to reduce the efficiency of any kind of indoor aerial to such an extent as to preclude anything like good results.

Perhaps you know the story of the dear old lady who always opened the windows of her flat "to let the wireless waves in" when she was using her portable receiver. Experts laughed when they heard her saying this, and gave elaborate explanations showing that brick walls or stone walls are as transparent to wireless waves as is crystal to light. The old lady just smiled and said that that might be so, but she, at any rate, heard the programmes far better when she opened her windows. In fact, she could hardly hear them at all when they were shut.

She was so positive about it that some of the experts went eventually to investigate. They found, to their discomfiture, that what she had said was true. The walls, you see, contained so much metal that they were almost impervious to wireless waves. But the windows? Well, the windows had many small panes set into metal casements and the panes were of lead glass! Until the windows were opened, her flat was virtually a blind spot for radio reception.

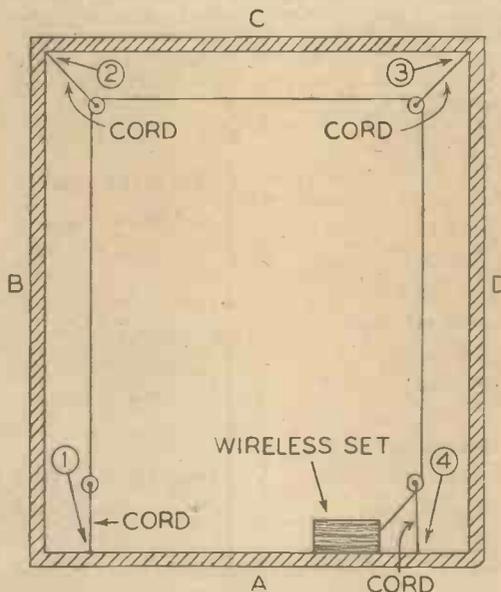
Few flats, happily, are as bad as that from the wireless point of view; but there are many in which the indoor aerial is a poor thing.

What, then, are the possibilities before the flat-dweller? If there is no serious interference and if the screening of the metal framework is not too marked, he can use an indoor aerial of the kind that is slung round three sides of the room about a foot from the walls and the same distance below the ceiling.

The accompanying sketch shows how it is put up, the materials required being four picture nails, four pieces of white cord, four miniature white porcelain insulators, and sufficient white cotton-covered wire of, say, No. 22 gauge for the length of the aerial and down-lead to the set.

DETAILS OF AERIAL

All nails are about 12 inches below the ceiling and No. 1 is the same distance from wall B. Nails Nos. 2 and 3 are driven into the angles between the walls. No. 4 is 12 inches from wall D. Fasten each insulator to its nail with a piece of cord. Thread the end of the wire through insulator No. 1, and carry on through Nos. 2, 3, and 4. Secure to No. 4, leaving sufficient loose to reach the aerial terminal of the set. Now go back to No. 1. Pull the wire tight, which will cause the insulators to stand away from the walls as far as their cords will let them. Cut the wire and knot round insulator No. 1. Since everything is white—insulators, cords and wire—this aerial is quite inconspicuous.



A suggestion for an effective indoor aerial supported upon four small insulators in the corners of a room.

There are several possible alternatives to this kind of indoor aerial. If you do not want wires, however inconspicuous, slung in the room where the set is installed, a special kind of aerial wire attached to a picture-rail may be found satisfactory. Some sets have arrangements enabling the electric mains to be used as the aerial. Very fair results are obtainable so long as the mains are not noisy. Again, you may prefer to use a portable set, or a table model, or a radiogram with a built-in aerial.

All indoor aerials, however, of whatever kind, have their failings. They are not as efficient as the outdoor collector in the matter of bringing in signals, though they may prove far too

efficient in bringing in any interference that has its source within the building.

The only solution that is completely satisfactory is a "communal aerial" of the anti-interference type, erected on the roof of the building—well above the zone of interference—and serving the sets of all tenants by means of low-impedance transmission lines.

Just a word about that expression "the zone of interference." The field of most kinds of man-made interference does not extend to more than 25 feet or so above the source, though laterally it may be pretty wide. If the horizontal portion of the communal aerial is 25 or 30 feet above the roof of a block of flats it will thus be outside the zone of interference. The transmission lines pass through the zone, but, as they are of low impedance and either screened or so designed that unwanted impulses reaching them cancel out, they pick up little or no interference on their way.

A single aerial of the kind mentioned can serve a large number of different flats. Each tenant can tune in any station he likes without in any way affecting the reception of the others. The transmission lines can be hidden away like any other electric wiring and all that need be seen is a wall-socket to which a plug from the set is connected.

There are two ways in which flat-dwellers may secure the interference-free reception that this kind of aerial provides. One is for them to club together to meet the cost—very moderate, considering the benefits that it confers—of installing the aerial, the necessary transformers, the transmission lines, and the "points." It will, of course, be necessary to obtain the landlord's permission before the work is undertaken.

The second, and probably the more satisfactory, is for a number of tenants (the more the better) to suggest to the landlord that if he will install the aerial and equip their flats with "points," they will be willing to pay a small increased quarterly rent to reimburse him for the expenditure. In most cases a few shillings a quarter would probably be sufficient to cover the cost of erecting the aerial and of fitting disturbance-suppressing devices to lifts or any other radiating appliances that are part of the building.

The landlord is likely to look more favourably upon such a proposal if it is tactfully pointed out to him that a guarantee of interference-free reception will certainly make his "desirable" flats even more desirable to prospective tenants in these days, when the wireless set is part of the normal equipment of almost every home.

REPLACING SPEAKER TRANSFORMER

WHEN a loudspeaker transformer develops a fault, it is sometimes difficult to obtain a replacement of the precise type originally fitted. When this occurs, an alternative is to obtain a "universal" type of transformer and adapt it to the speaker. These "universal" transformers are usually provided with a sufficient number of ratios to suit almost any type of output valve and speaker employed in a receiver. Suitable connexions may be found by trial if not known.

The replace transformer may not fit the holes drilled in the speaker chassis for the original transformer, however, in which case the transformer may be screwed to the baffle beside the speaker, or to the cabinet, and the speech coil leads extended.

Incidentally, when a transformer shows an "open circuit" on test, one should make sure that there is not some easily rectified fault in the leads from the windings. There may be a "dry" joint at the soldering tags, or a lead may be broken inside the insulation, particularly near the point where it leaves the windings or is joined to the terminal board. B. A. M.

Short-Wave News-Reel

Compèred
by "RANGER"

It seems appropriate this week to select contributions dealing with Christmas in various parts of the world. In doing so I am immediately struck by the facility with which the short-wave listeners can, in effect, be present at events actually occurring thousands of miles away.

CANADIAN GREETINGS

An "all-wave" 6-valve receiver enabled this listener to hear a coast-to-coast Canadian broadcast.

JUST after 23.00 on Christmas Day, I succeeded in tuning in VE9HX, Halifax, and discovered that a Canadian Radio Corporation coast-to-coast "hook-up" was in progress. From the Atlantic seaboard came a message of good will, and from the Pacific coast I heard further Christmas greetings. Then the scene changed, and I heard rejoicing and merrymaking in a Canadian home. Then came greetings to friends across the sea, followed by the singing of Christmas carols.

The commentator explained that, by the magic of radio, this Christmas programme had come from Canadian centres, extending from the West Coast to the East, and he concluded with: "A merry Christmas to you all!"

Finally, the Canadian Radio Corporation wished all its listeners "a happy Christmas from Ottawa" and presented an excellent recording of the Royal Christmas Message from Sandringham, preceded and followed by the National Anthem.

Barnsley, Yorks.

R. H. G.

LIONEL BARRYMORE AS SCROOGE

To most of us A Christmas Carol typifies the spirit of Christmas, and the American accent would only serve to show how universal that spirit really is. This enjoyable programme was heard on a modest o-v-2 (detector and 2 L.F.) receiver.

ON December 25, at 22.00, I had the opportunity of hearing, via W2XE (25.36 m.), an American presentation of Dickens's *A Christmas Carol*, with Lionel Barrymore as an admirable Scrooge. The familiar words of the story, with the added novelty of the American voices, brought the spirit of Christmas across the wintry Atlantic. An American Bob Cratchit added up columns of figures in Scrooge's miserable office, and typical American youngsters played the parts of Bob Cratchit's children.

Afterwards, amidst great applause, the announcer thanked those who had interrupted their own Christmas to bring the story to us, and then brought Lionel Barrymore to the microphone again. Said he, "I have travelled six thousand miles to bring that rascal Scrooge. I was in London, with the nip of winter in the air, and was tempted to stay on for a real English Christmas. The things that make Christmas what it is are the old Christmas duties—wrapping up the presents and carving the turkey—and inseparably connected with these is Dickens's story. I am proud to have been able to bring this immortal story to life once more. And now let us all make a date to listen to it next Christmas."

Then followed the words of the announcer: "And now, as Tiny Tim observes, 'God bless us, every one.'"

Liverpool.

R. D.

TROPIC AND ARCTIC

Within half-an-hour visits were paid to the South American bush and the wastes of Greenland by this listener in North Wales.

I DID not find short-wave reception from distant countries particularly good during Christmas, but on arriving home early on Christmas morning I tuned in to W8XK (Pittsburgh) and was thrilled to hear the Dr. Holden Expedition in the wilds of the Amazon country sending Christmas messages to their families and to the World. Two natives who spoke stressed the fact that they were to do no work that day, but said they were sorry they had no "Christmas Tree."

Following this broadcast, contact was established with the McGregor Polar Expedition in Greenland, and from the frozen wastes of this desolate country came greetings of "Merry Christmas and a Happy New Year to all." Several of the party spoke, including one, Roy Fitzsimmons, who hailed his family in Michigan, Canada, and gave them greetings. At 19.30 G.M.T. W2XAF took us in turn to London, Paris, and Vienna, to hear how American children in those cities had fared.

Rhosllanerchrugog, N. Wales.

R. W.

CHRISTMAS PROGRAMMES

Evidently using the Short-Wave Programme pages of WORLD-RADIO as a guide, this listener shared the Christmas broadcast fare provided by Lyndhurst (Australia), Huizen, California, Italy, and New York.

ON Christmas Day, via the short waves, I heard many interesting and enjoyable programmes. Listening began with part of Handel's *Messiah* from VLR at 12.00, and Bach's *Christmas Oratorio* from PHI at 14.00. At 15.00 came H.M. the King's message, relayed by W2XAD, followed at 16.30 by interesting interviews and Christmas greetings from a labour camp in California, also from W2XAD.

Gigli was heard at 18.00 from HVJ, singing in a programme of sacred music, while another celebrated tenor, Richard Crooks, took the part of Romeo in *Romeo and Juliet* at the Metropolitan Opera House, New York, broadcast from W2XAD at 19.00. Next, at 22.00, Lionel Barrymore played Scrooge in *A Christmas Carol*, from W2XE.

W2XAF presented an interesting dramatisation of "the ten biggest news stories of 1937" at 02.00 (26th), and lastly, from the same station, at 03.00, I listened to Toscanini conducting the NBC Symphony Orchestra in a splendid concert.

Such enjoyable listening would not, of course, have been possible without WORLD-RADIO's short-wave programmes.

Yate, Glos.

F. J. R.

HEADLINES OF 1937

I conclude this week's selection with an item in retrospective vein—traditional on the last day of the year—and express the hope that in the Headlines of 1938 loss and disaster will have no place.

ON Sunday, December 26, the NBC brought memories of some of the great events of 1937. This programme was heard through W2XAD at 20.30.

First we were taken to the Associated Press offices, where the News Editor, Mr. Price, came

to the microphone. He described the cable department, which handled news from foreign countries. Only the other day they had received a dramatic story from a reporter in Nanking, and soon afterwards they received a cable from Tokio stating that he had been killed—an incorrect report, fortunately.

Mr. Price then referred to the great headlines of 1937, which included: The battle over the Supreme Court, the *Hindenburg* disaster, the sit-down strikes, the wedding of the Duke of Windsor, the loss of Miss Earhart, the Coronation of King George VI, and the great American floods.

We were then returned to the NBC studios in New York, where thrilling dramatisations of some of these headline stories were presented. The stories of the *Hindenburg* disaster and the Mississippi floods were particularly effective.

Frinton-on-Sea.

M. H.

Below 100 Metres

By "SCOTIAN"

(December 19-24)

CONDITIONS have been mainly good during the hours of daylight and in the late listening period, but "evening" results tend to be still variable. The most consistent U.S. reception was obtained from W2XE (13.94 m.), and generally the 16 m. and 19 m. Americans have given reliable early evening signals. From around 22.00 onwards the optimum band for DX is usually 49 m.

Very quiet conditions prevailed below 13 m. on Sunday (Dec. 19), but the lower frequencies proved more interesting. In the afternoon the 19 m. "locals" were a consistent R9 and HAS3 (19.52 m.) could be heard carrying out a series of aerial tests. PMN (29.24 m.), R5, at 13.30, improved later to R7. At this time W1XK (31.35 m.) was R5, but strongly heterodyned, no doubt by KZRM. W3XAL (16.87 m.) gave good U.S. reception from 14.00 until around 17.00, as did W2XAD from 16.00. W2XAD faded out, but re-appeared again by 20.00—R7 with slight "flutter." During their European zone transmission JZJ and JZI were both R7 with some "flutter."

Monday afternoon found the high frequencies much livelier, W2XFA (33.33 Mc/s), City Hall, Jersey (R7), could be heard at frequent intervals, and W3XEY (9.494 m.) was peaking to R7 at 14.45. Later W8XAI on the same wavelength gave an R6 signal, and the 10 m. amateur band provided many strong U.S. 'phone signals. HS8PJ (15.77 m.), R5-6 when giving the news in English at 13.50, apparently signed off shortly afterwards. The U.S. channels W3XAL and W2XAD gave very good reception until declining around 18.00. Later, stations on 25 m. were affected by "flutter," and W2XAF was the best U.S. broadcaster. Outstanding among the many stations heard on 49 m. after midnight were YV5RC, W1XAL, and VP3MR.

A general improvement was observed on Tuesday, the lower frequencies in particular being more lively. A news bulletin in English, given by a lady announcer, was very well heard at 14.00 from a transmitter in Formosa—most likely JIB Taiwan (28.49 m.). Other Eastern stations heard were PMN R7 and YDC (19.8 m.) R6. The 16 m. and 19 m. U.S. broadcasters gave excellent results until the usual fade-out time.

XEWV, an excellent R8, was found to be the sole occupant of the 31 m. band at 04.50 on Friday when radiating a news bulletin in which reference was made to "this morning's earthquake in Mexico City." On 49 m. the Americans W8XK (R8), W8XAL, and W3XAL (both R7) predominated, reception being very good and the prevailing noise level extremely low. Afternoon results were much the same as on previous days, and in the evening all distant transmissions had become affected by "flutter." I take this opportunity of wishing all my readers a Happy New Year.

Short-Wave Programmes

All times are given in G.M.T.

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

SUNDAY, Jan. 2

EMPIRE

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

Transmission 1 (GSG, GSO, GSF, GSD, GSB)
08.15—Big Ben; Norbert Wethmar Trio; Elizabeth Mooney (Soprano).
08.55—Newsletter, Sports Summary.
09.25—Service (C. of E.).
10.15-10.25—Pfte. Recital.

Transmission 2 (GSJ, GSH, GSG, GSO, GSF)
10.45—Big Ben; Students' Songs.
11.15—Ivie Stevenson (Soprano); Norman Menzies (Baritone); Eileen Ralph (Pfte.).
12.00—New Year's Service.
12.30—Big Ben; Cinema Orchestra.
13.05—John McCormack (Tenor).†
13.25-13.55—Newsletter, Sports Summary.

Transmission 3 (GSH, GSG, GSF, GSD) (GSO to 15.00).
13.55—Opening Announcements.
14.00—Big Ben; A Visit to Stow-on-the-Wold.*
14.35—Eugene Pini's Tango Orchestra.
15.15—Orchestra.
15.45—Big Ben; Newsletter, Sports Summary.
16.05-17.00—Service (C. of E.).*

Transmission 4 (17.20-20.45 GSP from 18.45, GSG, GSA, GSD, GSB; 21.00-22.45 GSO, GSC, GSB, GSB†)
17.20—Chamber Music; The Grinke Trio.
18.00—Big Ben; Newsletter, Sports Summary.
18.20—Orchestra.†
18.30—"The Cato Street Conspiracy."
19.10—BBC Military Band.
19.50—Musical Interlude.†
20.00-20.45—Service (Methodist).
21.00—Big Ben; Newsletter, Sports Summary.
21.20—Lydia Lopokova in "Imperial Ballet."
22.05—Rawicz and Landauer (Pftes.).
22.30-22.45—Epilogue.

Transmission 5 (GSC, GSB, ‡ GSB, GSL)
23.05—Beethoven's Pfte. Trios.
23.40—Service (C. of E.).*
00.30—Bach's Orchestral Music.†
00.40—Newsletter, Sports Summary.
01.00-01.30—Big Ben; Band.

Transmission 6 (GSD, GSC, GSB, GSL)
02.15—Big Ben; The Symphonies of Beethoven.*
02.45—"Topical Talks for Seamen."*
03.00—Musical Interlude.†
03.05—Newsletter, Sports Summary.
03.25-04.15—Service (R.C.).*

BARCELONA

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

BOSTON

(19.67 m.)
15.15—First Church of Christ Scientist.
(25.45 m.)
20.00-22.00—New York Philharmonic.
22.00-22.30—Evening Devotions.

BOUND BROOK

(16.87 m.)
14.00-19.00—Variety; at 16.00—News.
19.00—RCA Magic Key (anncts. Fr., Sp., Ger., It.).
20.00—Music, etc. (anncts. Eng., Fr.).
00.00-02.00—For S. America (Eng., Sp.); Music, etc.
(49.18 m.)
02.25-05.00—For S. America (Eng., Sp.); Music, etc.
05.00-06.00—For Australia, Far East and S. America; Music, Recordings of Speeches, etc.

BUDAPEST

(19.52 m.)
14.00-15.00—The 1938 Eucharistic Congress Anthem; Greetings; Music; News (Eng.).
(32.88 m.)
00.00-01.00—See 14.00.

CARACAS

(31.26 m.; 51.72 m.)
13.30—R.C. Service.
14.00—Records; Baseball.
16.30—Light Music.
20.30—Opera Music.
22.30—Dance Band.
00.30-03.30—Songs; Dance Band.

CHICAGO

(25.36 m.; 49.18 m.)
Programme not received.

HUIZEN

(16.88 m.)
13.25—Anthem; Call; Talk.
13.45—Rotterdam Philharmonic.
14.20-15.30—News; Music; Talks.
(31.28 m.)
00.00-01.30—For the West.

LYNDHURST

(31.32 m.)
08.00—ABC Chorus, etc.
08.30—Talk.
08.50—News; Music; Story.
10.45—Octet; Film.
12.15-12.30—News; Epilogue.

MOSCOW

(25 m.)
11.00—Programme in English.
12.00—Programme in German.
13.00—Programme in Dutch.
14.00—Programme in French.
15.00—Programme in English.
17.15—Programme in German.
(50 m.)
20.00—Programme in Italian.
21.00—Programme in English.
22.00—Programme in German.
(31.26 m.)
23.00—Programme in Spanish.
(31.26 m.; 39.79 m.)
00.00—Programme in English.
(50 m.)
01.30—Programme in French.
(25 m.)
03.15—Programme in English.

PARIS (Radio-Colonial)

(25.24 m.)
07.00—News; Records.
09.40—News (Eng., It.).
(19.68 m.)
11.00—Concert.
12.00—News (Eng.); Concert.
12.45—Review; Concert.
13.30—News; Talks; Records.
14.30-16.00—To be announced.
(25.24 m.)
16.15—News (Fr., Arabic).
17.00—Concert.
19.00—News.
20.10—News (Eng., It.).
20.30—To be announced.
22.30—Sports; Markets.
22.45-23.00—News (Port.).
(25.6 m.)
23.15—Concert.
00.15—News (Fr., Sp., Port.).
01.00-01.15 and 03.00-04.00—Records.
04.00—News; Exchange.
04.30—News (Eng.); Records.
05.45-06.00—News (Ger.).

PITTSBURGH

(19.71 m.)
14.00—For Children; Variety.
16.00—First U.P. Church.
17.00—Southernaires.
17.30—Music-Hall; Variety.
18.45—Dog Heroes.
19.00—RCA Magic Key.
20.00—On Broadway.
20.30—Sen. Fishface and Prof. Figgibottle.
21.00—Organ; Vespers.
22.00—Metropolitan Auditions.
22.30—Smiling Ed McConnell.
22.45—Don Hirsch—Commentator.
23.00—Broadway Stars; Melody.
23.30—News; Music.
(25.26 m.)
00.00—Popular Classics; Music.
01.00—Concert.
02.00—Hollywood Playhouse.
02.30—Walter Winchell.
02.45—Irene Rich.
(48.83 m.)
03.00—The Music you want.
03.30—Cheerio.
04.00—Music; News; Missionary Talks.
05.00-06.00—Orchestras.

PODEBRADY

(31.41 m.)
Programme not received.

REYKJAVIK

(24.52 m.)
18.40—Talk and News (Eng., Ice); Music.
19.05-19.30—Talk and News (Ger.); Music.

ROME

(25.4 m.)
10.00—News; Concert.
11.00—News (Eng.); Music; News.
12.30-13.45—Concert; News.
15.00—News; Opera Music; News (Eng.).
16.20-17.20—Chamber Music; News.
(31.13 m.)
17.30—News, Music and Talk (Arabic).
18.11—Talk and News (Hung.).
18.42—News (Ger., Serb., Fr.).
19.40—News and Talk (Eng.).
20.00—"Gli innamorati"—Play (Goldoni); Violin.
22.30—News and Talk (Sp.).
23.05—For S. America. News; Music; Talk; News (Sp., Port.).
00.35-02.00—For U.S.A.; News (Eng.); Music; Talk; News.

SCHENECTADY

(19.57 m.)
16.00—News; Music.
17.30—University Discussion.
18.00—Martin; Choir; Variety.
20.00—Radio Newsreel; Party.
(19.57 m.; 31.48 m.)
21.00—Organ; Songs; Variety.
23.00—R.C. Hour; Variety.
(31.48 m.)
02.00—Merry-Go-Round.
02.30—Music; Stars.
04.30-05.00—News; Orchestra.

TOKIO

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

VATICAN CITY

(50.26 m.)
10.00—For Invalids (Latin, Fr.).

WARSAW

(22 m.; 26.01 m.)
23.00—News (Pol., Eng.); For Children; Talks; Music; at 01.20-02.00—Talk (Eng.).

WAYNE

(13.94 m.)
13.00—Organ; Variety.
14.55—News; Church of the Air.
15.30—For Children.
16.30—Major Bowes' Variety.
17.30-18.00—Choir and Organ.
(25.36 m.)
19.30—Dramatic Programme.
20.00—New York Philharmonic.
Conductor: Barbirolli.
22.00-23.00—Variety.
23.30-05.00—For S. America.
23.30—Variety.
00.00—Jeanette MacDonald.
00.30—Phil Baker; Variety.
03.00—Zenith Foundation.
03.30-05.00—News; Dance Music.

ZEESEN

(16.89 m.; 19.63 m.; 19.74 m.; 31.38 m.; 31.45 m.)
05.05—Call (Ger., Eng.).
05.10—Concert; Greetings.
07.00—Old Songs.
08.15—Bielefeld Children's Choir.
09.15—Orchestral Concert.
10.30—Parade Marches.
11.00—Light Music; Greetings.
13.00—"Sunday."
13.15—A Peep into the Past.
14.00—Military Band.
15.15—Songs and Dances.
15.45-16.00—Songs (Wolf).
(19.85 m.; 25.49 m.; 49.83 m.)
16.40—Call (Ger., Eng.); Concert.
16.15—Children's Songs.
17.15—"Sunday."
17.30—Brass Band.
17.45—News; Concert.
19.00—News (Eng.); Variety.
20.00—Music and Poetry; Sports.
21.00-21.25—News (Ger., Eng.).
(19.74 m.; 25.49 m.; 49.83 m.)
16.10-17.25—Symphony Concert.
21.50—Call (Ger., Eng.); Songs.
22.30—Band.
22.45—News; "Sunday."
23.15—Concert.
00.15—Sports; Light Music.
01.15—News (Eng.); Songs and Dances.
02.00—News; Chamber Music.
03.30—News (Eng., Ger.).

MONDAY, Jan. 3

EMPIRE

Transmission 1 (GSG, GSO, GSF, GSD, GSB)
08.15—Big Ben; "Swift Serenade."*
08.45—"In Town Tonight."*
09.15—BBC Empire Orchestra.
10.00-10.25—Big Ben; News.

Transmission 2 (GSJ, GSH, GSG, GSO, GSF).
10.45—Big Ben; Music-Hall.*
11.45—Stourbridge Glass.*
12.20—Songs and Duets.
12.40—Hans Schärflig and the St. Moritz Yodellers.*
13.00—"Empire Exchange."
13.15—Frank Rea and his Orchestra.
13.30-13.55—Big Ben; News.

Transmission 3 (GSH, GSG, GSF, GSD) (GSO to 15.00).
13.55—Opening Announcements.
14.00—Big Ben; "Swift Serenade."*
14.30—The Cellini Trio.
14.45—Talk by Howard Marshall.
15.00—Folkestone Municipal Orchestra.
15.30—"In Town Tonight."*
16.00—Big Ben; News.
16.20—Orchestral Music.†
16.30-17.00—Vest-Pocket Vaudeville.

Transmission 4 (17.20-21.00 GSP from 18.45, GSG, GSA, GSD, GSB; 21.15-23.00 GSO, GSC, GSB, GSB†)
17.20—"Empire Exchange."*
17.40—Frank Biffo's Brass Quintet.
18.00—Big Ben; News.
18.20—"Monologues in Melody."
18.30—Stourbridge Glass.*
19.00—Big Ben; "Monday at Seven."
19.45—Robb Wilton in The Court of "Not-So-Common, Please!"
20.00—Olive Groves (Soprano).
20.30-21.00—"The Count of Monte Cristo," by Alexandre Dumas.
21.15—Big Ben; News.
21.35—Military Band.†
22.10—Talk by Howard Marshall.*
22.25-23.00—Dance Music.

Transmission 5 (GSC, GSB, ‡ GSB, GSL)
23.20—Popular Melodies of Yesterday.
00.00—"Take Your Choice."
00.30—"A Theme and a Song."
00.40—News.
01.00-01.30—Big Ben; "Swift Serenade."*

Transmission 6 (GSD, GSC, GSB, GSL).
02.15—Big Ben; Irish Guards Band.
02.55—Talk by Howard Marshall.*
03.10—New Dance Numbers.†
03.25—News.
03.45-04.15—Big Ben; Stourbridge Glass.*

BARCELONA

(40 m.)
23.00—News (Foreign Languages).
(20 m.)
00.30—News (Eng.).

BOSTON

(19.67 m.)
19.30-20.00—Monitor News.
20.30-21.15—Harvard University Talk.
(25.45 m.)
21.50-22.00—Science News.
23.00-23.30—World News.
(49.67 m.)
00.00—Music.
00.30-02.00—Modern Radio Course.

BOUND BROOK

(16.87 m.)
14.00—Variety; at 14.40—News.
16.00—News (It.); Music.
16.30—Literary Review (It.).
16.45—Variety (anncts. Eng., It.).
17.00—News; Variety.
18.00—News (Fr.); Music.
19.00—News (Ger.); Music.
20.00—News; Sports (Fr.); Music.
21.00—News (Ger.); Music.
21.30—Sports Review (Ger.); Music.
22.00—News; Music.
23.00-02.00—Variety for S. America (Sp., Port.); at 23.30—News (Eng.).
(49.18 m.)
02.25-06.00—For S. America (Eng., Sp.); Music, etc.

CARACAS

(31.26 m.; 51.72 m.)
12.00-13.00—News.
15.30-18.45—Records and Songs.
20.45—Music and Songs.
22.15—For Children; Music.
23.00—News; Variety.

02.00—Sports.
02.15-02.30—Pan-American Union.

HUIZEN

(16.88 m.)
For the Dutch Indies.
13.25—Anthem; Call; Stocks.
13.40—Variety Records; Sports.
14.30-15.00—News; Mail.

LYNDHURST

(31.32 m.)
02.35—Records.
03.00—News; Music.
03.30—Racing; Music.
05.30-07.15—Cricket; Racing; Music.
08.30—The Watchman.
08.45—News; Talk; Music.
10.00—Variety.
12.30—News; Dance Music; Records.
13.20-13.30—News.

MOSCOW

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

PARIS (Radio-Colonial)

(25.24 m.)
07.00—News; Records.
09.40-10.00—News (Eng., It.).
(19.68 m.)
11.00—Records; Talk (Greek).
12.00—News (Eng.); Music.
12.45—Review; Concert.
13.30—News; Talk; For Women.
14.20—Records; Light Music.
15.55-16.00—Exchange; Stocks.
(25.24 m.)
16.15—News (Fr., Arabic).
17.00—Concerts.
18.50—Review of the Arts.
19.00—Radio Journal.
20.10—News (Eng., It.).
20.30—To be announced.
22.30—Markets; News (Port.).
(25.6 m.)
23.15—Records.
00.15—News (Fr., Sp., Port.).
01.00-01.15 and 03.00-04.00—Records.
04.00—News; Exchange.
04.30—News (Eng.); Records.
05.45-06.00—News (Ger.).

PITTSBURGH

(19.71 m.)
14.00—Shopping; Variety.
16.45—Edward MacHugh.
17.00—News; Variety.
17.30—Farm and Home; Utility.
18.45—Stroller's Matinee.
19.00—Home Forum; Music.
20.15—Welfare; Variety.
21.00—Forum Interview.
21.15—News.
21.30—Club Matinée.
22.00—Junior Nurse Corps.
22.15—For Children.
22.45—Tom Mix Straight Shooters.
23.00—News; Music.
23.15—Orchestra.
23.30—Sports.
23.45—Lowell Thomas.
(25.26 m.)
00.00—Music; Variety.
01.00—Gen. Johnson.
01.15—Jimmy Kemperer's Song Stories.
01.30—Grand Hotel.
02.00—Philadelphia Symphony Orchestra.
(48.83 m.)
03.00—Prison Bars; Barn Dance.
04.00-06.00—News; Orchestras.

ROME

(25.4 m.)
10.00—News; Music.
11.00—News (Eng., Chin.); Chamber Music; News.
12.30-13.45—News; Music; Talk.
15.00—News; Music; News (Eng.).
16.20-17.20—Opera Music; News.
(31.13 m.)
17.30—News; Music and Talk (Arabic).
18.11—Talk (Fr.).
18.27—News and Talks (Hung., Ger., Serb., Fr.).
19.40—News (Eng.).
20.00—Symphony Concert.
21.05—Talk (Esp.); Music.
22.30—News (Sp., Greek).
23.05—For S. America; News; Symphony Concert; Talk; News (Sp., Port.).
00.35-02.00—For U.S.A.; News (Eng.); "L'Amico Fritz" (Mas-cagni); Reading; Mail; News.

SCHENECTADY

(19.57 m.)
16.00—David Harum; Variety.

17.30—Farm Programme; Variety.
19.00—U.S. Travel Talk (Fr.).
19.15—WPA; Variety.
(19.57 m.; 31.48 m.)
21.00—Short-Wave Club; Variety.
22.00—News Tower; Variety.
23.15—U.S. Travel Talk.
23.30—News; Songs; Sports.
00.00—Amos 'n' Andy.
00.15—U.S. Travel Talk (Sp.).
00.30—Stocks; News (Sp.); Music.
01.30—Richard Crooks (Tenor).
(31.48 m.)
02.00—Fibber McGee; Variety.
04.00-05.00—Mail; Orchestra.

SUVA (31.46 m.)
10.30-12.00—Records.

TOKIO (25.42 m.; 31.46 m.)
20.00—News (Eng.); New Music.
20.30—News (Ger., Fr., Jap.).

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

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

WAYNE (13.94 m.)
12.30—Morning Almanac.
12.55—News; Variety.
(19.65 m.)
18.00—Variety.
19.00—News for Women.
(25.36 m.)
19.30—School of the Air; Organ.
20.30—CBS-BBC Exchange—Broadway Matinee.
21.00—Deep River Boys; Books.
21.30—Light Music.
21.45—Dr. Dafoe—Talk—Music.
22.00—Headlines and Bylines.
22.30—Dance Music.
23.30-05.00—For S. America.
23.30—News; Dance Music.
23.45—Boaks (Sp.); Variety.
00.45—Boake Carter—News.
01.00—Buddy Clark—Music.
01.30—Pick and Pat.
02.00—Radio Theatre.
03.00—Lady Ether—Music.
03.30—"Brave New World."
04.00-05.00—Dance Music.

ZEESEN (16.89 m.; 19.63 m.; 19.74 m.; 31.38 m.; 31.45 m.)
05.05—Call (Ger., Eng.); Music.
06.00—News; Music.
06.50—Greetings to Australia.
07.00—News (Eng.); Topical.
07.30—Children's Songs.
08.00—Variety.
08.45—Music; Sports.
09.30—News; Topical Talk.
10.00—Orchestra.
12.00—News (Eng.); Music.
12.55—Greetings to the Far East.
13.00—News; Folk Songs; Sports.
14.00—News (Eng., Dutch); Talk.
14.30—Songs and Poems.
15.15—Bavarian Programme; Band.
15.45-16.00—Topical Talk.
(19.85 m.; 25.49 m.; 49.83 m.)
15.40—Call (Ger., Eng.).
15.45—Concert; Grieg Songs.
16.50—Concert.
17.15—Monthly Calendar.
17.45—News; Variety.
19.00—News (Eng.); Topical.
19.30—A Visit to Gustav Kühn.
20.15—Louis Graveure (Tenor).
20.45—Topical Talk.
21.00-21.15—News (Ger., Eng.).
(19.74 m.; 25.49 m.; 49.83 m.)
21.50—Call (Ger., Eng.); Music; Poems.
22.45—News; Light Music.
00.15—Topical; Variety.
01.15—News (Eng.); Folk Songs.
02.00—News; Study Club.
02.30—Light Music; Talk.
03.30—News (Eng., Ger.).

TUESDAY, Jan. 4

EMPIRE
Transmission 1 (GSG, GSO, GSF, GSD, GSB).
08.15—Big Ben; Dance Band.*
08.45—"Empire Exchange."*
09.00—Music-Hall.*
10.00-10.25—Big Ben; News.
Transmission 2 (GSJ, GSH, GSG, GSO, GSF).
10.45—Big Ben; Beethoven's Symphonies.*
11.15—Operatic Selections.†
11.40—Chamber Music.
12.15—Famous London Buildings; Guildhall.
12.45—Theatre Orchestra.
13.15—Robb Wilton in The Court of "Not-So-Common, Please!"*
13.30-13.55—Big Ben; News.

Transmission 3 (GSH, GSG, GSF, GSD) (GSO to 15.00)
13.55—Opening Announcements.
14.00—Big Ben; Music of Handel.†
14.15—"Take your Choice."*
14.45—"A Theme and a Song."*
15.00—Light Orchestra.
15.30—Cinema Organ.
16.00—Big Ben; News.
16.20—Isolde Menges (Violin).
16.40-17.00—"Do We Understand English?" talk.

Transmission 4 (17.20-21.00)
GSP from 18.45, GSG, GSA, GSD, GSB; 21.15-23.00 GSO, GSC, GSB, GSB†.
17.20—Popular Melodies of Yesterday.*
18.00—Big Ben; News.
18.20—Pfte. Music.†
18.30—John Bennett (BBC Theatre Organ).
19.00—Big Ben; "The Development of the Waltz."†
19.30—Variety.
19.45—Schubert Recital.
20.20-21.00—A Visit to Stow-on-the-Wold.*
21.15—Big Ben; News.
21.35—British Women's Symphony Orchestra.
22.30-23.00—Bridgewater Quintet.

Transmission 5 (GSC, GSB, GSB, GSL).
23.20—"Topics of the Day."
23.35—Peggy Mayle (Pfte.).
23.50—The Symphonies of Brahms.
00.40—News.
01.00-01.30—Reginald Foot (BBC Theatre Organ).
Transmission 6 (GSD, GSC, GSB, GSL).
02.15—Big Ben; A Visit to Stow-on-the-Wold.*
02.50—"Dancing Time."
03.25—News.
03.45—Big Ben; "Haunting Harmonies."
03.55—Robb Wilton in The Court of "Not-So-Common, Please!"*
04.10-04.15—"Haunting Harmonies."

BARCELONA (40 m.)
23.00—News (Foreign Languages).

BOSTON (19.67 m.)
19.30-20.00—Monitor News.
(25.45 m.)
21.50-22.00—Science News.
23.00-23.30—World News.
(49.67 m.)
00.00—Music; Literature.
01.00-02.00—Harvard University Talk.

BOUND BROOK (16.87 m.)
14.00—Variety; at 14.40—News.
16.00—News (It.); Music.
16.30—Film Notes (It.).
17.00—News; Music.
18.00—News (Fr.); Music.
19.00—News (Ger.); Music.
20.00—News (Fr.); Music.
20.30—For Women (Fr.).
21.00—News (Ger.); Music.
21.30—Talk (Ger.): The Arts in America; Music.
22.00—News; Music.
23.00-02.00—Variety for S. America (Sp., Port.); at 23.30—News (Eng.).
(49.18 m.)
02.25-05.00—For S. America (Eng., Sp.); Music, etc.
05.00-06.00—For Australia, Far East, and S. America; Music, Recordings of Speeches, etc.

CARACAS (31.26 m.; 51.72 m.)
12.00-13.00—News.
15.30-18.45—Records and Songs.
20.45—Music and Songs.
22.15—For Children; Music.
23.00—News; For Farmers.
00.00-02.30—Variety.

HUIZEN (19.71 m.)
08.30-10.00—Variety for Australia and New Zealand.
(31.28 m.)
10.30-13.00—For Australia and New Zealand.
(16.88 m.)
For the Dutch Indies.
13.25—Anthem; Call; Stocks.
13.40—Topical; Variety.
14.50-15.00—News.
(31.28 m.)
19.00-20.30—For Africa.

LYNDHURST (31.32 m.)
02.35—Records.
03.00—News; Music.
05.30-07.00—Cricket; Music.
08.30—The Watchman.
09.00—News (Eng., Fr.).
09.55—Music; Talk; Ballads; Pfte.
12.00—Dance Music; Records.
13.20-13.30—News.

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

PARIS (Radio-Colonial) (25.24 m.)
07.00—News; Records.
09.40-10.00—News (Eng., It.).
(19.68 m.)
11.00—Records; News (Jap.).
12.00—News (Eng.); Concert.
12.45—News; Concert.
13.30—News; Talks; Records.
14.30—"Chantecler"—Play (Rostand).
15.55-16.00—Exchange; Stocks.
(25.24 m.)
16.15—News (Fr., Arabic); Music.
17.00—Shipping; Radio Journal.
20.10—News (Eng., It.).
20.30—To be announced.
22.30—Markets; News (Port.).
(25.6 m.)
23.15—Records.
00.15—News (Fr., Sp., Port.).
01.00-01.15—Records.
03.00—Records.
04.00—News (Fr., Eng.); Records.
05.45-06.00—News (Ger.).

PITTSBURGH (19.71 m.)
14.00—Shopping; Variety.
16.45—Edward MacHugh.
17.00—News; Novelties.
17.30—Farm and Home; Variety.
19.15—Let's talk it over.
19.30—Home Forum.
20.00—Cugat; Clubs.
20.30—U.S. Marine Band.
21.00—Club Matinée.
21.15—News; Music; Interviews.
22.00—Nurse Corps; Variety.
23.00—News; Broadway Stars.
23.45—Lowell Thomas.
(25.26 m.)
00.00—Variety.
01.00—Husbands and Wives.
01.30—It can be done.
02.00—Heid's Brigadiers.
02.30—NBC Night Club.
(48.83 m.)
03.00—Gen. Johnson; Kidoodlers.
03.30—Radio Town Meeting.
04.00—News.
04.15—The Music you want.
05.00-06.00—Orchestras.

ROME (25.4 m.)
10.00—News; Chamber Music.
11.00—News (Eng.); Opera Music; News.
12.30-13.45—News; Music; Talk.
15.00—News; Symphony Concert; News (Eng.).
16.00-17.20—Music; News.
(31.13 m.)
17.30—News; Music (Arabic).
18.11—Talk (Eng.).
18.27—News and Talks (Hung., Ger., Serb., Fr.).
19.40—News and Talk (Eng.).
20.00—"Festa di beneficenza"—Play (Niccòdemi); Talk (Serb.).
20.40—Cello and Orchestra.
22.30—News (Sp., Greek).
23.05—For S. America; News; "Il Trovatore" (Verdi); News (Sp., Port.).
00.35-02.00—For U.S.A.; News (Eng.); Concert; Talk; News.

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

SUVA (31.46 m.)
10.30-12.00—Records.

TOKIO (25.42 m.; 31.46 m.)
20.00—News (Eng.); Song Records.
20.30—News (Ger., Fr., Jap.).

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

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

WAYNE (13.94 m.)
12.30—Morning Almanac.
12.55—News; Music.
14.25—News; Music; Waltzes.
(19.65 m.)
18.00-19.15—Variety; Music.
(25.36 m.)
19.30—American School; Music.
21.00—Health Talk; Books; Music.
21.45—Senate Problems; Music.
22.30-23.00—News; Dance Music.
23.30-05.00—For South America.
23.30—News; Opera Music.
23.45—News (Sp.); Variety.
00.15—Hollywood News; Stars.
01.00—Edward G. Robinson—Drama.
01.30—Al Jolson; Variety.
03.00—Columbia Workshop; Music.
04.00-05.00—Dance Music.

ZEESEN (16.89 m.; 19.63 m.; 19.74 m.; 31.38 m.; 31.45 m.)
05.05—Call (Ger., Eng.); Music.
06.00—News; Music.
06.50—Greetings to New Zealand.
07.00—News (Eng.); Topical.
07.30—Music; Folk-Songs.
09.00—Louis Graveure (Tenor).
09.30—News; Talk.
10.00—Light Music.
12.00—News (Eng.); Light Music.
13.00—News.
13.15—A Musical Picture Book.
14.00—News (Eng., Dutch); Talk.
14.30—Songs (Grieg).
14.45—Monthly Calendar.
15.15—Louis Graveure (Tenor).
15.45-16.00—Talk.
(19.85 m.; 25.49 m.; 49.83 m.)
15.40—Call (Ger., Eng.); Concert.
16.15—Trio Italiano; Concert.
17.15—Talk (Eng.); Thoughts.
17.30—Talk.
17.45—News; Opera Potpourris.
19.00—News (Eng.); Topical.
19.30—Orchestra; Talks and Music.
21.00-21.25—News (Ger., Eng.).
(19.74 m.; 25.49 m.; 49.83 m.)
21.50—Call (Ger., Eng.); Music.
22.45—News; Announcements.
23.30—Graveure (Tenor).
00.00—Bavarian Songs.
00.15—Topical; "Gustav Kühn"—Musical Picture-Book.
01.15—News and Talk (Eng.).
01.45—Talk; News; Songs.
02.30—Variety.
03.30—News (Eng., Ger.).

WEDNESDAY, Jan. 5

EMPIRE
Transmission 1 (GSG, GSO, GSF, GSD, GSB).
08.15—Big Ben; "Take Your Choice."*
08.45—"A Theme and a Song."*
08.55—Guy Weitz (Organ).
09.20—Popular Melodies of Yesterday.*
10.00-10.25—Big Ben; News.

Transmission 2 (GSJ, GSH, GSG, GSO, GSF).
10.45—Big Ben; Cinema Organ.
11.15—"Take Your Choice."*
11.45—"A Theme and a Song."*
11.55—"Do We Understand English?" talk.*
12.10—Schumann's Chamber Music.
12.50—Irish Guards Band.*
13.30-13.55—Big Ben; News.

Transmission 3 (GSH, GSG, GSF, GSD) (GSO to 15.00)
13.55—Opening Announcements.
14.00—Big Ben; Harry Engleman's Quintet.
14.15—Music from the Operas.†
15.00—Music-Hall.*
16.00—Big Ben; News.
16.20—George Baker (Baritone).
16.40-17.00—"World Affairs."

Transmission 4 (17.20-21.00)
GSP from 18.45, GSG, GSA, GSD, GSB; 21.15-23.00 GSO, GSC, GSB, GSB†.
17.20—"Take Your Choice."*
17.50—"A Theme and a Song."*
18.00—Big Ben; News.
18.25—Dance Band.*
19.00—Big Ben; "World Affairs."*
19.15—Elizabethan Music.
19.45-21.00—BBC Orchestra (Section D) conducted by Georg Schneevoigt; Cyril Smith (Pfte.).
21.15—Big Ben; News.
21.35—Cabaret.
22.15—"World Affairs."*
22.30-23.00—Fred Hartley's Sextet.*

Transmission 5 (GSC, GSB, GSB, GSL).
23.20—Grosvenor House Dance Band.
23.55—"Empire Exchange."*
00.30—Variety.
00.40—News.
01.00-01.30—Big Ben; Elizabethan Music.

Transmission 6 (GSD, GSC, GSB, GSL).
02.15—Big Ben; "World Affairs."*
02.30—BBC Empire Orchestra; Frederick Sharp (Baritone).*
03.25—News.
03.45-04.15—Big Ben; "Contra-band."*

BARCELONA (40 m.)
23.00—News (Foreign Languages).
(20 m.)
00.30—News (Eng.).

BOSTON (19.67 m.)
19.30-20.00—Monitor News.
(25.45 m.)
21.50-22.00—Science News.
23.00-23.30—World News.
(49.67 m.)
00.00—Music; Science.
01.00-01.45—Smith College Programme.

BOUND BROOK (16.87 m.)
14.00—Variety; at 14.40—News.
16.00—News (It.); Music.
17.00—News; Music.
18.00—News (Fr.); Music.
19.00—News and Talk (Ger.); Science in America.
19.45—Music.
20.00—News (Fr.); Music.
20.30—Talk (Fr.); Music.
21.00—News (Ger.); Music.
21.30—Talk (Ger.); Educational Problems in America; Music.
22.00—News; Music.
22.30—News (Fr., Ger.).
23.00-02.00—Variety for S. America (Sp., Port.); at 23.30—News (Eng.).
(49.18 m.)
02.25-06.00—For S. America (Eng., Sp.); Music, etc.

BUDAPEST (32.88 m.)
00.00-01.00 (Thurs.)—Music; News; Talk (Eng.); Variety.

CARACAS (31.26 m.; 51.72 m.)
12.00-13.00—News.
15.30-18.45—Records and Songs.
20.45—Music and Songs.
22.15—For Children; Music.
23.00—News; Variety.
02.00-02.30—Sports; Music.

HUIZEN (19.71 m.)
14.00-17.00—For Asia, Africa, &c.
(31.28 m.)
00.00-01.00—For the West.
01.00-02.30—For South America.

LYNDHURST (31.32 m.)
02.35—Music.
03.00—News; Music.
03.30-07.15—Racing; Music.
08.30—The Watchman.
08.45—News; Talk; Music.
10.00—Variety.
10.30—Politics; Orchestra.
11.45—"Young Australia"; Chorus.
12.30—News; Dance Music.
13.20-13.30—News.

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

PARIS (Radio-Colonial) (25.24 m.)
07.00—News; Records.
09.40-10.00—News (Eng., It.).
(19.68 m.)
11.00—Records.
11.45—News (Fr., Eng.); Music.
12.45—News; Music.
13.30—News; Talks; Records.
14.30—Symphony Concert.
15.45-16.00—Exchange; Stocks.

(25.24 m.)
 16.15—News (Fr., Arabic); Music.
 18.50—Talk.
 19.00—Radio Journal.
 20.10—News (Eng., It.).
 20.30—To be announced.
 22.30—Markets; News (Port.).
 (25.6 m.)
 23.15—Records.
 00.15—News (Fr., Sp., Port.).
 01.00-01.15—Records.
 03.00-04.00—Records.
 04.00—News; Exchange.
 04.30—News (Eng.); Records.
 05.45-06.00—News (Ger.).

PITTSBURGH

(19.71 m.)
 14.00—Shopping; Variety.
 16.45—Edward MacHugh.
 17.00—News; Variety.
 17.30—Farm and Home.
 18.30—Strollers; Swing; Topical.
 19.30—Home Forum: Variety.
 21.15—News.
 21.30—P.T.A. Congress.
 22.00—Nurse Corps; Variety.
 23.00—News; Music.
 23.30—Sports.
 23.45—Lowell Thomas.
 (25.26 m.)
 00.00—Variety.
 02.30—NBC Minstrel Show.
 (48.83 m.)
 03.00—Gen. Johnson; Variety;
 News.
 04.15—The Music you want.
 05.00-06.00—Orchestras.

ROME

(25.4 m.)
 10.00—News; Opera Music.
 11.00—News (Eng.); Music; News.
 12.30-13.45—Music; News; Talk.
 15.00—News; "L'Amico Fritz"
 (Mascagni); Talk; News (Eng.).
 16.20-17.20—Concert; News.
 (31.13 m.)
 17.30—News; Music (Arabic).
 18.11—Talk (Ger.).
 18.27—News and Talks (Hung.,
 Ger., Serb., Fr.).
 19.40—News (Eng.).
 20.00—"Khovanshchina" (Mus-
 sorgsky). Anncts. (Fr., Eng.,
 Ger.).
 22.30—News (Sp., Greek).
 23.05—For S. America; News;
 Folk-Music; Talk; News (Sp.,
 Port.).
 00.35-02.00—For U.S.A.: News
 (Eng.); Music; Talk (Eng.);
 News.

SCHENECTADY

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

SUVA

(31.46 m.)
 10.30-12.00—Records.

TOKIO

(25.42 m.; 31.46 m.)
 20.00—News (Eng.); R. C. Talk.
 20.30—News (Ger., Fr., Jap.).

VATICAN CITY

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

WARSAW

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

WAYNE

(13.94 m.)
 12.30—Phil Cook—Variety.
 12.55—News; Music; Songs.
 14.25-15.00—News; Music.
 (19.65 m.)
 18.00—General Mills; Variety.
 19.00-19.15—News for Women.
 (25.36 m.)
 19.30—American School; Music.
 21.45—Dr. Dafoe—Talk; Music.
 22.25-23.00—News; Swing School.
 23.30—For S. America: Music.
 23.40—News (Eng., Sp.); Variety.
 00.45—Boake Carter—News.
 01.00—Cavalcade of America.
 01.30—Eddie Cantor—Variety.
 02.30—"Tish"—Rinehart Plays.
 03.00—Crime Crusade; Variety.
 04.00-05.00—Dance Music.

ZEESEN

(16.89 m.; 19.63 m.; 19.74 m.;
 31.38 m.; 31.45 m.)
 05.05—Call (Ger., Eng.); Music.

06.00—News; Light Music.
 07.00—News (Eng.); Talk.
 07.30—Opera Music.
 08.30—Songs (Grieg).
 08.45—Folk-Songs and Dances.
 09.30—News; Press Review.
 10.00—Light Music.
 12.00—News (Eng.); Light Music.
 12.55—Greetings to British India.
 13.00—News; Request Concert.
 14.00—News (Eng., Dutch); Talks.
 14.45—Talks with Music.
 15.15—Trio Italiano.
 15.45-16.00—Press Review.
 (19.85 m.; 25.49 m.; 49.83 m.)
 15.40—Call (Ger., Eng.); Concert;
 Books.
 16.15—Books; Schubert Pfte. Music.
 16.50—Concert; Talk.
 17.45—News.
 18.00—"From the Cape to the
 Zambesi"—Sequence (Afrikaans
 and Eng.).
 19.00—News (Eng.); Topical; Press
 Review.
 19.45—Plim and Plam—Clowns.
 20.45—Chamber Music.
 21.00-21.25—News (Ger., Eng.).
 (19.74 m.; 25.49 m.; 49.83 m.)
 21.50—Call (Ger., Eng.); Music.
 22.45—News; Village Band.
 00.00—Talk; Henry Harbough.
 00.15—Talks; Schimmer (Violin).
 01.15—News (Eng.); Press Review.
 01.45—Music.
 02.00—News; Opera Music.
 03.15—Chamber Music.
 03.30—News (Eng., Ger.).

THURSDAY, Jan. 6

EMPIRE

Transmission 1 (GSG, GSO,
 GSF, GSD, GSB).
 08.15—Big Ben; "Do We Under-
 stand English?"—talk.*
 08.30—Robb Wilton in the Court
 of "Not-So-Common, Please!"*
 08.45—Reginald Foort (BBC
 Theatre Organ).
 09.20—"World Affairs."*
 09.35—Schubert's Chamber Music.
 10.00-10.25—Big Ben; News.

Transmission 2 (GSJ, GSH,
 GSG, GSO, GSF).
 10.45—Big Ben; Dance Band.*
 11.15—Gipsy Orchestra.
 11.45—"The Count of Monte
 Cristo," by Alexandre Dumas.*
 12.15—Three Great English Comed-
 ians.†
 12.30—"At the Black Dog."
 13.00—Joan Davies (Pfte.).
 13.15—"World Affairs."*
 13.30-13.55—Big Ben; News.

Transmission 3 (GSH, GSG,
 GSF, GSD) (GSO to 15.00).
 13.55—Opening Announcements.
 14.00—Big Ben; The Symphonies
 of Brahms.*
 14.50—"The Circus in London."*
 15.20—Military Band Concert.
 16.00—Big Ben; News.
 16.20—Talk for listeners in India.
 16.35-17.00—"Tomorrow's Songs."

Transmission 4 (17.20-21.00
 GSP from 18.45, GSG, GSA,
 GSD, GSB; 21.15-23.00 GSO,
 GSC, GSB, GSB†).
 17.20—Richard Tauber (Tenor).†
 17.30—"At the Black Dog."*
 18.00—Big Ben; News.
 18.20—BBC Empire Orchestra.
 19.00—Big Ben; Reginald Foort
 (BBC Theatre Organ) with Esther
 Coleman (Contralto) and Ivor
 Dennis (Pfte.).
 19.30—Excerpts from "Puss in
 Boots."
 20.00—"Rhythm Express."
 20.45-21.00—"My Memories of
 the Tsar Nicholas II at his Corona-
 tion." talk.
 21.15—Big Ben; News.
 21.35—Anthony Pini ('Cello).
 22.00—Talks.
 22.20-23.00—Hit Tunes.

Transmission 5 (GSC, GSB,†
 GSB, GSL).
 23.20—"The Count of Monte
 Cristo," by Alexandre Dumas.*
 23.50—Chamber Music.
 00.40—News.
 01.00-01.30—Big Ben; Stourbridge
 Glass.*

Transmission 6 (GSD, GSC,
 GSB, GSL).
 02.15—Big Ben; Talks.*
 02.35—Songs of the Poets.
 02.55—"The Circus in London."*
 03.25—News.
 03.45-04.15—Big Ben; Cinema
 Organ.

BARCELONA

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

BOSTON

(19.67 m.)
 19.30-20.00—Monitor News.

(25.45 m.)
 21.50—Science News.
 22.00-22.30—Literature.
 23.00-23.30—News.
 (49.67 m.)
 00.00-00.30—Music.

BOUND BROOK

(16.87 m.)
 14.00-16.00—Variety; at 14.40—
 News.
 16.00—News (It.); Music.
 17.00—News; Music.
 18.00—News (Fr.); Music.
 19.00—News (Ger.); Music.
 20.00—News (Fr.); La Revue des
 Spectacles; Music.
 21.00—News (Ger.); Music.
 21.30—Talk (Ger.), by a New York
 Woman.
 22.00—News; Music.
 23.00-02.00—Variety for S. America
 (Sp., Port.); at 23.30—News
 (Eng.).
 (49.18 m.)
 02.25-05.00—For S. America (Eng.,
 Sp.); Music, etc.
 05.00-06.00—For Australia, Far
 East and S. America: Music;
 Recordings of Speeches, etc.

CARACAS

(31.26 m.; 51.72 m.)
 12.00-13.00—News.
 15.30-18.45—Records and Songs.
 20.45—Music and Songs.
 22.15—For Children; Music.
 23.00—News; Variety.
 02.00-02.30—Sports; Talks.

HUIZEN

(16.88 m.)
 For the Dutch Indies.
 13.25—Anthem; Call; Stocks.
 13.40—Talks; "Cello."
 14.50-15.00—News.
 (31.28 m.)
 00.00-01.30 and 02.00-03.30—For
 South America, U.S.A., etc.

LYNDHURST

(31.32 m.)
 02.35—Music.
 03.00—News; Music.
 04.00-07.00—Music; Racing.
 08.30—The Watchman.
 08.45—News (Eng., Fr.); Music.
 10.00—Variety.
 12.00—ABC Dance Band.
 12.30—News; Music.
 13.20-13.30—News.

MOSCOW

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

PARIS (Radio-Colonial)

(25.24 m.)
 07.00—News; Records.
 09.40-10.00—News (Eng., It.).
 (19.68 m.)
 11.00—Records; Talk (Sp.).
 12.00—News (Eng.); Music.
 12.45—Review; Music.
 13.30—News; Talks; Records.
 14.30—Chamber Music.
 15.45-16.00—Exchange; Stocks.
 (25.24 m.)
 16.15—News (Fr., Arabic); Music.
 18.45—Poems.
 19.00—Radio Journal.
 20.10—News (Eng., It.).
 20.30—To be announced.
 22.30—Markets; News (Port.).
 (25.6 m.)
 23.15—Records.
 00.15—News (Fr., Sp., Port.).
 01.00-01.15—Talks.
 03.00—Records.
 04.00—News; Exchange.
 04.30—News (Eng.); Records.
 05.45-06.00—News (Ger.).

PITTSBURGH

(19.71 m.)
 14.00—Shopping; Variety.
 16.45—Edward MacHugh.
 17.00—News; Novelties.
 17.30—Farm and Home; Variety.
 19.30—Home Forum; Music.
 20.15—For Women; Music; Clubs.
 21.15—News; Club Matinée.
 22.00—Junior Nurse Corps.
 22.15—For Children.
 22.45—Tom Mix Straight Shooters.
 23.00—News; Broadway Stars.
 23.30—Sports.
 23.45—Lowell Thomas.
 (25.26 m.)
 00.00—Variety.
 01.00—Gen. Johnson.
 01.15—The Liedersingers.
 01.30—March of Time.
 02.00—News.
 02.15—NBC Concert Hour.
 02.30—Town Meeting.

(48.83 m.)
 03.30—Aunt Martha.
 03.45—NBC Jamboree.
 04.00-06.00—News; Orchestras.

ROME

(25.4 m.)
 16.00—News; Light Music.
 11.00—News (Eng.); Symphony
 Concert; Talk; News.
 12.30-13.45—Talk; Opera Arias;
 News; For Children.
 15.00—News; Music; News (Eng.).
 16.20-17.20—Sports; "Il Trova-
 tore" (Verdi); News.
 (31.13 m.)
 17.30—News; Music (Arabic).
 18.11—Talk (Spanish).
 18.27—News and Talks (Hung.,
 Ger., Serb., Fr.).
 19.40—News and Talk (Eng.).
 20.00—"Mazzemarelli" (Leoni);
 Talks (Pol., Fr., Eng., Ger.).
 22.30—News (Sp., Greek).
 23.05—For S. America: News;
 Concert; Mail; News (Sp., Port.).
 00.35-02.00—For U.S.A.: News
 (Eng.); Opera; Talk; News.

SCHENECTADY

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

SUVA

(31.46 m.)
 10.30-12.00—Records.

TOKIO

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

VATICAN CITY

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

WARSAW

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

WAYNE

(13.94 m.)
 12.30—Morning Almanac.
 12.55—News; Organ; Variety.
 14.00—Dear Columbia—Music.
 14.25—News; Popular Music.
 (19.65 m.)
 18.00—General Mills—Variety.
 19.00—Lyric Serenade.
 (25.36 m.)
 19.30—American School of the Air.
 20.00—Theatre Matinée—Music.
 20.30—U.S. Army Band.
 21.00—Science; Books; Music.
 21.45—Questions before the Senate.
 22.00—Light Music.
 22.30—News; Dance Music.
 23.30-05.00—For South America.
 23.30—George Hall Dance Band.
 23.45—News (Spanish); Music.
 00.15—Hollywood Screenscoops.
 00.30—"We, the People."
 01.00—Kate Smith—Variety.
 02.00—Major Bows' Amateurs.
 03.00—Hollywood Showcase—
 Variety.
 03.30—Essays in Music—Victor
 Bay Orchestra.
 04.00-05.00—Dance Music.

ZEESEN

(16.89 m.; 19.63 m.; 19.74 m.;
 31.38 m.; 31.45 m.)
 05.05—Call (Ger., Eng.); Music.
 06.00—News; Music.
 06.50—Greetings to Australia.
 07.00—News (Eng.); Topical.
 07.30—Trio Italiano.
 08.00—Plim and Plam—Clowns.
 09.00—Songs, "Tsar and Carpen-
 ter" (Lortzing), by Wilhelm
 Strienz.
 09.30—News.
 09.45—Talk (Eng.): The German
 Museum in Munich.
 10.00—Steinbock Band.
 11.00—Light Music.
 12.00—News (Eng.); Light Music.
 12.55—Greetings to the Far East.
 13.00—News; Talk; Books.
 14.00—News (Eng., Dutch); Talk.
 14.30—Schubert Pfte. Music.
 14.45—Talk (Eng., Dutch): The
 German Museum, Munich.
 15.00-16.00—Opera Music.
 (19.85 m.; 25.49 m.; 49.83 m.)
 15.40—Call (Ger., Eng.); Concert.
 16.15—Art Talk; Songs.

16.50—Concert.
 17.15—Brahms Ballads.
 17.30—Talk (Eng.): The German
 Museum, Munich.
 17.45—News; Military Band.
 19.00—News (Eng.); Topical.
 19.30—Excerpts, "Tsar and Carpen-
 ter" (Lortzing).
 20.00—"Symphony in Eisenstadt"
 —Musical Play (Lange).
 21.00-21.25—News (Ger., Eng.).
 (19.74 m.; 25.49 m.; 49.83 m.)
 21.50—Call (Ger., Eng.).
 22.00—Talks and Music.
 22.30—Schubert Pfte. Music.
 22.45—News; Cabaret.
 00.15—Talk; Trio; Books.
 01.15—News (Eng.); Variety.
 01.45—Talk (Eng.); The German
 Museum in Munich.
 02.00—News; Dichterliebe (Schu-
 mann).
 02.30—Clowns and Music.
 03.30—News (Eng., Ger.).

FRIDAY, Jan. 7

EMPIRE

Transmission 1 (GSG, GSO,
 GSF, GSD, GSB).
 08.15—Big Ben; "At the Black
 Dog."*
 08.45—Hit Tunes.*
 09.25—"Harvesting in Cambridge-
 shire;" talk.
 09.40—Variety.
 09.50—"Next Week's Programmes."
 10.00-10.25—Big Ben; News.

Transmission 2 (GSJ, GSH,
 GSG, GSO, GSF).
 10.45—Big Ben; Talks.*
 11.05—Variety.*
 11.35—Frank Walker and his Octet.
 12.00—"The Circus in London."*
 12.30—Henry Hall's Dance Or-
 chestra.
 13.15—Musical Interlude.†
 13.20—"Next Week's Programmes."
 13.30-13.55—Big Ben; News.

Transmission 3 (GSH, GSG,
 GSF, GSD). GSO to 15.00).
 13.55—Opening Announcements.
 14.00—Big Ben; BBC Empire Or-
 chestra; William Parsons (Bass).
 15.00—A. J. Alan tells a new story.
 15.20—Hit Tunes.*
 16.00—Big Ben; News.
 16.20—"Next Week's Programmes."
 16.30-17.00—"April Showers," by
 Nino Bartholomew.

Transmission 4 (17.20-21.00
 GSP from 18.45, GSG, GSA,
 GSD, GSB; 21.15-23.00 GSO,
 GSC, GSB, GSB†).
 17.20—Ralph Elman Sextet.
 17.45—Gregori Tcherniak (Bala-
 laika); Geoffrey Sisley (Guitar).
 18.00—Big Ben; News.
 18.20—"Next Week's Programmes."
 18.30—Big Ben; Variety.*
 19.00—Big Ben; "Do We Under-
 stand English?" talk.*
 19.15—Alice Aronowitz (Pfte.).
 19.30—Dance Band.
 19.50—A. J. Alan tells a new story.
 20.15-21.00—BBC Midland Or-
 chestra.
 21.15—Big Ben; News.
 21.35—"Next Week's Programmes."
 21.45—"The Windsor Singers."
 22.05—"At the Black Dog."*
 22.35-23.00—Dance Music.

Transmission 5 (GSC, GSB,†
 GSB, GSL).
 23.20—Famous London Buildings;
 Guildhall.*
 23.50—Charles Ernesto's Quintet.
 00.30—"Next Week's Programmes."
 00.40—News.
 01.00-01.30—Irene Scharrer (Pfte.).
 Transmission 6 (GSD, GSC,
 GSB, GSL).
 02.15—Big Ben; Somerset Folk-
 Songs.
 02.35—Hit Tunes.*
 03.15—"Next Week's Programmes."
 03.25—News.
 03.45-04.15—Big Ben; "April
 Showers."*

BARCELONA

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

BOSTON

(19.67 m.)
 19.30-20.00—Monitor News.
 (25.45 m.)
 21.50-22.00—Science News.
 22.00-23.30—World News.
 (49.67 m.)
 00.00-01.15—Music; Talk; Mail.

BOUND BROOK

(16.87 m.)
 14.00—Variety; at 14.40—News.
 16.00—News (It.); Music.
 17.00—News; Music.
 18.00—News (Fr.); Music.
 19.00—News (Ger.); Music.
 20.00—News (Fr.); Music.
 20.30—Travel Talk (Fr.).

21.00—News (Ger.); Music.
21.30—Talk (Ger.); Music.
22.00—News; Music.
22.20—News (Fr., Ger.).
23.00-02.00—Variety for S. America (Sp., Port.); at 23.30—News (Eng.). (49.18 m.)
02.28-06.00—For S. America (Eng., Sp., Port.); Music, etc.

CARACAS

(31.26 m.; 51.72 m.)
12.00-13.00—News.
15.30-18.45—Records and Songs.
20.45—Music and Songs.
22.15—For Children; Music.
23.00—News; Variety.
02.30-02.45—Educational.

HUIZEN

(16.88 m.)
For the Dutch Indies.
13.25—Anthem; Call; Stocks.
13.40—Review; Variety; Talk.
14.50-15.00—News.

LYNDHURST

(31.32 m.)
02.35—Music.
03.00—News; Music.
04.00-07.00—Tennis; Music.
08.30—The Watchman.
08.45—News; Talk; Music.
10.00—Dance Band; Organ.
10.50—Interlude.
11.00—Orchestra; Brass Band.
11.45—Play.
12.30—News; Music.
13.20-13.30—News.

MOSCOW

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

PARIS (Radio-Colonial)

(25.24 m.)
07.00—News; Records.
09.40-10.00—News (Eng., It.). (19.68 m.)
11.00—Records; Talk.
12.00—News (Eng.); Concert.
12.45—Review; Music.
13.30—News; Talks; Records.
14.30—"Le roi l'a dit" (Delibes).
15.55-16.00—Exchange; Stocks. (25.24 m.)
16.15—News (Fr., Arabic).
17.00—Concerts.
18.50—Science.
19.00—News.
20.10—News (Eng., It.).
20.30—To be announced.
22.30—Exchange; News (Port.). (25.6 m.)
23.15—Concert.
00.15—News (Fr., Sp., Port.).
01.00-01.15 and 03.00-04.00—Records.
04.00—News.
04.30—News (Eng.); Records.
05.45-06.00—News (Ger.).

PITTSBURGH

(19.71 m.)
14.00—Shopping; Variety.
16.45—Edward MacHugh.
17.00—News; Variety.
17.30—Farm and Home.
18.30—Home Forum; Variety.
21.00—Club Matinée.
21.15—News.
21.30—Club Matinée.
22.00—Junior Nurse Corps.
22.15—For Children.
22.30—Orchestra.
22.45—Tom Mix Straight Shooters.
23.00—News; Music.
23.45—Lowell Thomas. (25.26 m.)
00.00—Songs; Talk; Variety.
01.00—Grand Central Station.
01.30—Death Valley; Variety. (48.83 m.)
03.00—Music; Songs; Strings.
04.00—News; Music.
05.15-06.00—DX; Orchestras.

RADIO-NATIONS

League of Nations Reports: (26.31 m.)
19.00—Report in English. (32.1 m.)
19.30—Report in French.
00.30—Report in English.
01.00—Report in Spanish.

ROME

(25.4 m.)
10.00—News; Concert.
11.00—News (Eng.); "Il Trovatore" (Verdi); News.
12.30-13.45—Talk; Music; News.
15.00—News; Music; News (Eng.).
16.20-17.20—Folk Music; News. (31.13 m.)
17.30—News, Music (Arabic).

18.11—Talk (Dutch).
18.27—News and Talks (Hung., Ger., Serb., Fr.).
19.40—News (Eng.).
20.00—Symphony Concert. Anncets. (Fr., Eng., Ger.).
22.30—News (Sp., Greek).
23.05—For S. America; News; Chamber Music; Talk; Italian Lesson; News (Sp., Port.).
00.35-02.00—For U.S.A.: News (Eng.); Music; Talk; News.

SCHENECTADY

(19.57 m.)
16.00—David Harum; Variety.
17.30—Farm Programme; Variety.
19.00—NBC Music Appreciation.
20.00—Pepper Young; Variety. (19.57 m.)
21.00—Lorenzo Jones; Variety.
22.00—News Tower; Variety.
23.00—Education; Rhythm.
23.30—News; Spanish Programme.
00.00—Amos 'n' Andy; Uncle Ezra.
00.30—Stocks; News (Sp.).
01.00—Soprano; Farm Forum. (31.48 m.)
02.00—Waltzes; Literature (Sp.).
03.00—First Nighter.
03.30—Hollywood Gossip; Topical.
04.15-05.00—Orchestra; Variety.

SUVA

(31.46 m.)
10.30-12.00—Records.

TOKIO

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

VATICAN CITY

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

WARSAW

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

WAYNE

(13.94 m.)
12.30—Variety; at 12.55—News.
14.25-15.00—News; Music. (19.65 m.)
18.00—General Mills—Variety.
19.00-19.15—News for Women. (25.36 m.)
19.30—School of the Air.
20.00—Columbia Concert Hall.
20.30—Organ; Music; Books.
21.45—Dr. Dafoe—Talk—Music.
22.30-23.00—News; Dance Music.
23.30-05.00—For S. America.
23.30—News; Variety.
00.15—Football Parade; Concert.
00.45—News; Music; Variety.
02.00—Hollywood Hotel; Variety.
04.00-05.00—Dance Music.

ZEESEN

(16.89 m.; 19.63 m.; 19.74 m.; 31.38 m.; 31.45 m.)
05.05—Call (Ger., Eng.); Music.
06.00—News; Music.
06.50—Greetings to New Zealand.
07.00—News (Eng.); Topical.
07.30—Military Band.
08.30—Ballads and Rhapsodies (Brahms) by Hagemann (Pfte.).
08.45—Folk Music.
09.15—Chamber Music.
09.30—News; Schubert Music.
10.00—Suppé Operettas.
11.00—Light Music.
12.00—News (Eng.); Light Music.
12.50—Greetings to the Dutch East Indies.
13.00—News; Lortzing Songs.
13.45—Art Talk.
14.00—News (Eng., Dutch); Talk.
14.30—Songs; Radio Clowns.
15.45-16.00—Legal Talk. (19.85 m.; 25.49 m.; 49.83 m.)
15.40—Call (Ger., Eng.); Concert.
16.15—Music for Harp and String Quartet (Malipiero).
16.50—Concert.
17.15—Talk (Afrikaans).
17.30—Legal Talk.
17.45—News; Suppé Music.
19.00—News (Eng.); Topical.
19.30—Homeland Greetings.
20.00—Symphony (Buckner).
21.00-21.25—News (Ger., Eng.). (19.74 m.; 25.49 m.; 49.83 m.)
21.50—Call (Ger., Eng.); Music.
22.45—News; Folk Music.
23.15—"Symphony in Eisenstadt"—Musical Play.
00.15—Topical.
00.30—Brahms Pfte. Music.
00.45—Lortzing Songs.
01.15—News (Eng.); Talks.
02.00—News; Soprano; Band.
03.30—News (Eng., Ger.).

SATURDAY, Jan. 8

EMPIRE

Transmission 1 (GSG, GSO, GSF, GSD, GSB).
08.15—Big Ben; "London Log."
08.25—The Development of the Waltz.†

08.55—"My Memories of the Tsar Nicholas II at his Coronation," talk.*
09.10—Light British Music.
10.00-10.25—Big Ben; News.

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

10.45—Big Ben; Cinema Organ.
11.10—"April Showers," by Nino Bartholomew.*
11.35—Popular Melodies of Yesterday.*
12.15—Pfte. Recital.
12.45—"London Log."*
12.55—Musical Interlude.†
13.00—Theatre Orchestra.
13.30-13.55—Big Ben; News.

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

13.55—Opening Announcements.
14.00—Big Ben; Cinema Organ.
14.30—"At the Black Dog."*
15.00—The Serge Krish Septet.
15.15—Association Football: Third round Cup Tie.
16.15—Variety.†
16.30-17.00—Big Ben; News.

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

17.20—"London Log."*
17.30—Dance Music.
18.00—Big Ben; News.
18.30—Association Football: Third round Cup Tie.*
18.45—Silver Band.
19.30—"In Town Tonight."*
20.00-21.00—Variety.
21.15—Big Ben; News.
21.45—Instrumental Variety.†
22.00—BBC Military Band.
22.40-23.00—Dance Music.

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

23.20—Variety.*
00.20—Frederick Grinke (Violin).
00.40—News.
01.10-01.30—Association Football: Third round Cup Tie.*

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

02.15—Big Ben; "London Log."*
02.25—Musical Interlude.†
02.30—"At the Black Dog."*
03.00—English Country Dances.*
03.25—News.
03.55-04.15—Variety.

BARCELONA

(40 m.)
23.00—News (Foreign Languages). (20 m.)
00.30—News (Eng.).

BOSTON

(25.45 m.)
23.00-23.30—World News.

BOUND BROOK

(16.87 m.)
14.00—Variety.
14.40—News; Variety.
16.00—News (It.); Music.
16.30—For Women (It.); Music.
17.00—News; Music.
18.00—News (Fr.); Music.
19.00—News (Ger.); Music.
20.00—News (Fr.); Music.
20.30—Travel Talk (Fr.); Music.
21.00—News (Ger.); Music.
21.30—Travel Talk (Ger.); Music.
22.00—News; Music, etc.
22.30—News (Fr., Ger.).
23.00-02.00—For S. America.
23.00—News (Port.); Variety.
23.30—News; Variety.
00.00—News (Sp.); Music, etc. (49.18 m.)
02.25-05.00—For S. America (Eng., Sp.).
02.25—Programmes; Barn Dance.
03.00—NBC Symphony. Conductor: Toscanini.
04.30—News (Sp.); Music, etc.
05.00-06.00—For Australia, Far East, and S. America; Music; Recordings of Speeches, etc.

BUDAPEST

(32.88 m.)
23.00-00.00—March; For Children; News; Cigány Band; Talk.

CARACAS

(31.26 m.; 51.72 m.)
12.00-13.00—News.
15.30-18.45—Records and Songs.
20.45—Music and Songs.
22.15—For Children; Music.
23.00—News; For Farmers.
00.00-02.45—Variety.

HUIZEN

(16.88 m.)
For the Dutch Indies.
13.25—Call; Talks; Variety.
14.45-15.15—From Rotterdam.

LYNDHURST

(31.32 m.)
02.35—Music.
03.00—News; Music.
03.30-07.30—Racing; Cricket; Music.
08.30—Music; Sports.
09.00—Mail; Music.
09.20—News; Sports.
10.00—Dino Borgioli (Tenor).
10.50—Cello; Pfte., etc.
12.15—Dance Music.
12.30—News; Mail.
13.00-14.00—Music.

MOSCOW

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

PARIS (Radio-Colonial)

(25.24 m.)
07.00—News; Records.
08.30—Press Review; Records.
09.00—News; Records.
09.40-10.00—News (Eng., It.). (19.68 m.)
11.00—Records.
11.45—Talk (Yugoslav).
12.00—News (Eng.).
12.15—Concert.
12.45—Records.
13.00—Concert.
13.30—News; Exchange.
14.00—Talks.
14.20—Records.
14.30—Variety.
15.45-16.00—Hérent (Songs). (25.24 m.)
16.15—News (Fr., Arabic).
17.00—Concert.
17.50—Talk.
19.00—Radio Journal.
20.15—News (Eng., It.).
20.30—To be announced.
22.30—Talk; News (Port.). (25.6 m.)
23.15—Concert.
00.15—News (Fr., Sp., Port.).
01.00-01.15—Talk.
03.00—Records.
04.00—News.
04.30—News (Eng.).
04.45—Records.
05.45-06.00—News (Ger.).

PITTSBURGH

(19.71 m.)
14.00—Breakfast Club.
14.45—Aunt Jemima.
15.00—Sweethearts of the Air.
15.15—Swing Serenade.
15.30—The Child Grows Up.
15.45—Hollywood High Hatters.
16.00—Maida Severn (Songs).
16.15—Minute Men.
16.30—Our Barn.
17.00—News; Novelties.
17.30—Farm and Home.
18.30—Club Matinée.
18.55—Metropolitan Grand Opera.
21.45—Rose Bowl Game. (25.26 m.)
00.30—Uncle Jim's Question Bee.
01.00—Southernaires.
01.30—Linton Wells.
01.45—To be announced.
02.00—National Barn Dance. (48.83 m.)
03.00—NBC Symphony Orchestra. Conductor: Toscanini.
04.30—News.
04.45-06.00—Far North Messages.

ROME

(25.4 m.)
10.00—News; "L'amico Brizio" (Mascagni).
11.00—News (Eng., Fr.); Folk Music; News (Jap., It.).
12.30-13.45—"Il Trovatore" (Verdi); News; Talk.
15.00—News (It., Fr.); Music; News (Hind., Eng.).
16.20-17.20—Music; News. (31.13 m.)
17.30—News; Music; Talk (Arabic).
18.11—Talk (Esperanto).
18.27—News and Talks (Hung., Ger., Serb., Fr.).
19.40—News (Eng.).
20.00—"I cavalieri di Ekebù" (Zandonai); Talks (Ger., Fr., Eng.).
22.30—News (Sp., Greek).
23.05—For S. America; News; Opera Music; News (Sp., Port.).
00.35-02.00—For U.S.A.: News (Eng.); Chamber Music; Talk; News.

SCHENECTADY

(19.57 m.; 31.48 m.)
16.00—Radio Forum.
16.15—Ford Rush, Silent Slim.

16.30—Half-past Eleven.
16.45—The Gay Nineties.
17.00—Allen Leofer's Orchestra.
17.30—Batten's Concert Ensemble.
18.00—Don Bestor's Orchestra.
18.30—Campus Capers.
18.55—Metropolitan Opera.
22.00—Mail; Music.
22.30—Kindergarten.
23.00—Spanish Revue.
23.30—News.
23.35—Strolling Songster.
23.45—Religion in the News.
00.00—William Scott's Orchestra.
00.30—Stocks.
01.00—Believe-it-or-not—Ripley.
01.30—Jack Haley's Log Cabin. (31.48 m.)
02.00—Al Roth's Orchestra.
02.30—"Special Delivery."
03.00—NBC Symphony Orchestra. Conductor: Toscanini.
04.30-05.00—Al Donahue's Orchestra.

SUVA

(31.46 m.)
10.30-12.00—Records.

TOKIO

(25.42 m.; 31.46 m.)
20.00—News (Eng.); Talks.
20.30—News (Ger., Fr., Jap.).

VATICAN CITY

(19.84 m.)
15.30—Church Notes (Various Languages). (50.26 m.)
19.00—Church Notes (Various Languages).

WARSAW

(22 m.; 26.01 m.)
23.00-02.00—News (Pol., Eng.); Talk; Szymanowski Music; Talk (Eng.); Mountain Songs and Dances; Reading; Folk-Music; Programme Notes.

WAYNE

(13.94 m.)
13.00—Poetic Strings.
13.30—Jack Shannon (Songs).
13.45—Leon Goldman (Violin).
14.00—Ray Block (Pfte.).
14.15—Eton Boys—Music.
14.30—Richard Maxwell (Songs).
14.45—Fiddler's Fancy.
14.55—News.
15.00—Fred Feibel at the Console.
15.30—"Let's pretend."
16.00—Cincinnati Conservatoire.
17.00—Captivators—Dance Music.
17.30-18.00—George Hall and his Orchestra—Dance Music. (25.36 m.)
19.30—Ann Leaf (Organ).
19.45—Merrymakers.
20.15—Waltzes of the World.
20.45—To be announced.
21.15—"Between the Bookends."
21.30—Dictators—Dance Music.
21.45—Four Clubmen—Popular Music.

22.00—Story of Industry.
22.30—Console Moods.
23.30-05.00—For S. America.
23.30—Syncope Piece with Ben Feld and Orchestra.
00.00—Margaret Daum and Symphony Orchestra.
00.30—Carborundum Band.
01.00—Saturday Swing Session.
01.30—Russ Morgan and Orchestra—Dance Music and Variety.
02.00—Professor Quiz—Questions and Answers.
02.30—Among our Souvenirs—Popular Music.
03.00—Hit Parade—Dance Music.
03.45—Patti Chapin (Songs).
04.00-05.00—Dance Music.

ZEESEN

(16.89 m.; 19.63 m.; 19.74 m.; 31.38 m.; 31.45 m.)
05.05—Call (Ger., Eng.); Concert.
06.00—News; Concert.
07.00—News (Eng.); Talk; Greetings.
08.00—Dance Music; Talk.
09.30—News; Sketch.
11.00—Light Music.
12.00—News (Eng.); Light Music.
13.00—News; Band.
14.00—News (Eng., Dutch); Talk.
14.30—Brahms Pfte. Music.
14.45—Suppé Operettas.
15.45-16.00—Folk Songs. (19.85 m.; 25.49 m.; 49.83 m.)
15.40—Call (Ger., Eng.); Concert.
16.15—Winter Trip through Germany.
16.50—Concert.
17.15—Talk; Folk Songs.
17.45—News; Variety.
19.00—News (Eng.); Topical.
19.30—Dance Music; Talk.
21.00-21.25—News (Ger., Eng.). (19.74 m.; 25.49 m.; 49.83 m.)
21.50—Call (Ger., Eng.); Music.
22.45—News; Suppé Music.
00.00—Light Music; Topical.
00.30—Greetings; Records.
01.15—News (Eng.); Talk.
01.45—Folk Songs.
02.00—News; Dance Music.
03.30—News (Eng., Ger.).

Long and Medium Wave Programmes

SUNDAY JANUARY 2

NATIONAL

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

9.25-10.15 a.m. (D)—Service (C. of E.). 10.30-10.45 (D)—Weather.

11.0-12.15 p.m. (D)—Welsh Service (Calvinistic Methodist).

12.30 (D)—Cinema Orchestra.

1.30 (D)—Students' Songs.

2.0 (D)—"In Your Garden." C. H. Middleton. 2.20 (D)—Tango Orchestra.

3.15 (D)—Music by Norman O'Neill.

4.0—The Universal Week of Prayer.

4.20—Fred Hartley's Sextet.

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

5.20—Chamber Music: Erika Storm (Soprano); The Grinke Trio.

6.30—"The Cato Street Conspiracy," by Norman P. Grant.

7.10—BBC Military Band.

7.55—Service (C. of E.).

8.45—Appeal. 8.50—The News.

9.5—Lydia Lopokova in "Imperial Ballet."

10.5—Rawicz and Landauer (Pftes.).

10.30—Epilogue.

11.0 (D)—Shipping Forecast.

REGIONAL

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

11.0 a.m. - 12.15 p.m. (Welsh) — National.

12.30 (ex. Midland, Western) — National.

2.0 (Scottish)—True story.

2.20 (Scottish)—National.

4.0 (ex. Welsh)—Alfredo Campoli Trio.

4.0 (Welsh)—Welsh talk.

4.20—"Music of the Week." Sir Adrian Boult, Director of Music.

4.30 (ex. Welsh)—For the Children.

4.30 (Welsh)—The Penmachno Male Voice Octet: Olga Jones (Violin).

5.0 (ex. Midland, Welsh)—Reginald Foort (BBC Theatre Organ).

5.0 (Midland)—Theatre Orchestra: Dorothy Megney (Soprano).

5.10 (Welsh)—Welsh talk.

5.30 (Regional, Western)—Band.

5.30 (Northern)—Song recital.

5.30 (Welsh)—Festival of Song.

5.30 (N. Ireland)—BBC Northern Ireland Orchestra: Mahry Dawes (Soprano); Dorothy Rodgers (Contralto); Clifford Deri (Baritone).

5.30 (Scottish)—"Home and Family."

5.45 (Northern)—"Northern Notions."

5.50 (Scottish)—Betty Balfour (Pfte.).

6.0 (ex. Western, N. Ireland)—"Musical Boxes." A. J. A. Symons.

6.0 (Western)—Sextet.

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

6.30 (ex. Midland, Western, N. Ireland)—Beatrice Harrison (Cello); BBC Orchestra (Section B) conducted by Sir Henry Wood.

6.30 (Midland)—Band.

6.30 (Western)—Songs.

7.0 (Midland, Western)—Brahms Programme: Mary Jarred (Contralto); Birmingham Festival Choral Society, City of Birmingham Orchestra.

7.55 (Regional, N. Ireland 8.0)—Services.

8.45 (ex. N. Ireland)—Appeals.

8.50—The News.

9.5 (ex. Western)—Leslie Howard in "Hamlet" (Shakespeare).

9.5 (Western)—Light Orchestra.

10.5 (Western)—National.

11.0 (ex. Western)—Epilogue.

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 100 kW. Relayed by Dublin 1,348 kc/s (222.6 m.); and Cork 1,235 kc/s (242.9 m.).

1.30-3.0 p.m.—Records.

5.30—Fairview Church Choir.

6.0—As I see it, by E. de Bhaldrón.

6.15—Edmund Downey Story read by Charles L. Keogh.

6.30—E.S.B. Musical and Dramatic Society in Variety.

7.30—"Winner Alright" — Comedy (John McCann).

7.55 — Irish Radio Orchestra and Lilian McArdle (Contralto).

8.40—Sports Review.

8.50 — Ceilidhe from the Pavilion, Bothar na Tragha, Gaillimh.

9.30—Variety.

10.30—Five Minute Appeal.

10.35—News.

10.45 — Gaelic Sports Talk by S. O'Ceallachain.

11.0—National Anthem.

BARCELONA (EAJI) (Spain)

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

4.30 p.m.—Records.

6.0—Time; Dance Music.

7.0—Song Records.

8.0—Records.

8.15—Literary Programme; Records.

9.0—Time; News; Records.

11.0-12.0 m't.—News in Foreign Languages.

BERLIN (Germany)

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

5.0 a.m.—Call; Weather; Gym.

5.30—Bremen Harbour Concert.

7.0—Gym; Records.

7.55—Chimes and Roman Catholic Service from Potsdam Garrison Church.

8.30—For Hitler Youth (Recorded).

9.5—Light Music. Krepela Sextet. Erwin Hansche and Max Narath (Pftes.).

10.30 — Records of Sir Thomas Beecham conducting. Ballet Music (Handel). Overture, "La scala di seta" (Rossini). Slav Rhapsody (Dvořák).

11.0—Glahe Band. Napoli Orchestra. Conductor: Rosenthal. Air Force Band. Conductor: Boss. Walter Sommerfeld (Xylophone). Auf grosser Fahrt (Raymond). Italian Serenade (Knümann). Rhapsody (Rixner). Frisch voran (Rosenthal). Die Zierliche (Sommerfeld). Grillen-hochzeit (Glahe). Ein Gruss an Johanni (Busch). Rumänisch (Knümann). Frauenreuther Porzellan-püppchen (Lincke). Marche, Napoli (Sommerfeld). Sag warum (Glahe). Galanterie (Borchert). Paris (Mackeben). Tritt gefasst (Gsell). Fest-Ouverture (Lortzing). Sizilietta (v. Blon). Variations on the Krakowiak (Sommerfeld). Visione (Husadel). Kämpfend aufwärts (Neumann). Hermann Göring-Marsch (Gerlach). Deutsche Mädels (Kochmann). La Mandolinata (Wilde-Polster). Herta-Gavotte (Rosenthal). Melitta (v. Blon). Deutschlands Flieger (Boss). Der Blomberger (E. Schumann).

1.0 p.m.—Greetings.

1.5—Liszt Records. Hungarian Rhapsody, No. 2. Conductor: Stokowski. Songs by Herbert Ernst Groh (Tenor): (a) Es muss ein Wunder-

SERVICES—SACRED MUSIC

A.M.

9.0 Kalundborg: Service.
10.0 Italian stations: Mass.
12.0 (noon) Radio-Paris: Address.

bares sein, (b) O komm in Traum. Mazepa, Conductor: Knappertsbusch. Song, Drei Zigeuner, by Theodor Scheidl. Pfte. Concerto in E flat, by Walter Gieseking and Orchestra.

2.0—Echoes from the Kurmark.
2.30—Krepela Sextet.
3.0—See Stuttgart.
5.0—Raatzke Band.
6.0—News; Sports.
6.25—Records.
7.0—Berlin—Concert. Station Orchestra. Conductor: Willy Steiner. Military Band. Conductor: Tumforde. Musette Orchestra. The Five Melody-makers. Betty Sedlmayer. Martha Hübner. Alexander Flessburg. Otto Hüscher.
9.0—News; Sports.
9.30-11.55—See Deutschlandsender.

BEROMÜNSTER (Switzerland)

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

9.0-11.0 a.m.—From Basle.

9.0—Mass of St. Clement Hofbauer (Goller) (Recorded).

10.15—Mozart Records.

10.30—Rudolf Graber reads his short story, "Das Haus in den Freibergen."

11.0—Zürich Radio Orchestra. Conductor: Hofmann.

11.30—News.

11.40—Swiss Music by the Zürich Radio Orchestra.

12.25 p.m.—Talk: The Swiss School in Milan.

12.50—Records.

1.0—Dialect Talk: The New Year.

1.20 — Birseck-Münchenstein Choir. Conductor: Ackermann. Rosa Dold (Soprano).

4.0-6.45—From Basle.

4.0 — Light Music by the Station Sextet.

5.0—Talk: Famous German Singers of the Romantic Period.

5.30 — The Waldstein Sonata (Beethoven) by Otto Wetzell (Pfte.).

6.0—Talk: Six Centuries of Basle History.

6.45—News.

6.55-9.25—From Basle.

6.55—Sports; Records.

7.45—"Bloggti Lyt" — Dialect Play (Müller).

8.15 — Organ from St. Leonard's Church.

9.15—Sports; Announcements.

BRATISLAVA (Czechoslovakia)

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

3.35 p.m.—"Good Neighbours"—Play after Kukucin (Julia Javorská).

4.35—Fantasy on Slovak Folk Songs by the Cibulka-Hagymási Cigány Band.

5.0—Hungarian Transmission: For Students; Lecture-Recital: Romanian and Bulgarian Music.

5.45—Sports Notes.

5.50-6.10—See Prague.

6.10-7.40—See Moravská-Ostrava.

7.40—Talk.

7.55-8.55—See Brno.

8.55-9.20—See Prague.

9.20—News (Hungarian).

9.35-10.30—See Prague.

BRESLAU (Germany)

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

5.0 a.m.—See Hamburg.

7.0—Greetings; Records.

7.50—News; Greetings.

8.0—See Leipzig.

8.30—German Songs of the Baroque Period—Moser (Baritone).

9.15—Hans Casper Band.

10.0—Discussion: Girl Students and the National Vocational Competition.

10.25 — "Die späte Rose" — Song Cycle (Metzner), by Traute Wolf (Mezzo-Soprano) and Members of the Station Orchestra.

11.0—See Berlin.

1.0 p.m.—News.

1.10—Stories.

1.30 — Variety (arr. Odda). The Kuban Cossack Choir, Speakers and Records.

2.30—Talk for Boys (Recorded): In a small Sailing Boat across the Atlantic.

3.0—Small Station Orchestra and Singers from Beuthen. Conductor: Nogliki.

5.0—Herbert Böhme reads.

5.30—Sports Notes.

6.0—News.

6.10 — "Child Life in Japan" — Sequence from Hedtfeld, Rockstroh and Arlt (arr. Grüger).

7.0 — "Grave and Gay" — Concert. Station Orchestra and Choir, Conductors: Prade and Weisshaupt; Grete Müller-Morelli (Soprano); Friedrich Wilhelm Küchel (Tenor).

9.0—News; Sports.

9.30-11.0—See Deutschlandsender.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.45 a.m.

4.35 p.m.—German Transmission: Talk; Abridged Version "Libousha"—Tragedy (Grillparzer).

5.50-7.40—See Prague.

7.40 — Talk: Marriages between Czechs and Germans.

7.55—Station Orchestra, Conductor: Plichta Kaff (Pfte.). Russia (Balakirev). Pfte. Concerto. Scherzo from the First Symphony (Tchaikovsky). Slav Dances (Karel). Fantasia on Serbian Folk-Songs (Rimsky-Korsakov).

8.55-10.30—See Prague.

BRUSSELS (No. 1) (Belgium)

620 kc/s (483.9 m.); 15 kW.

6.30-9.2 a.m.—Records; Gym; News.

9.2—Request Records.

10.0—French Music by the Loiseau Orchestra. Overture, "Les cloches de Corneville" (Planquette). Excerpt, "Impressions d'Italie" (Charpentier). March, "Scènes pittoresques" (Massenet). Selection, "Bouton d'or" (Pierné). Farandole (Bizet).

10.30—Pfte. Music.

10.45—Italian Music by the Loiseau Orchestra. Ballet, "La Gioconda" (Ponchielli). Intermezzo, "Cavalleria rusticana" (Mascagni). Selection, "La Bohème" (Puccini).

11.15—Demoulin (Accordion).

11.30—Spanish Music by the Loiseau Orchestra. Dances (Granados and Falla). Suite, España (Albeniz); at 11.40-11.50 — Monologues by Léane.

12.0 noon—Variety Records.

12.15 p.m.—Film Records.

12.31 — Belgian Music by the Radio Orchestra. Conductor: Gason. Ronde wallonne (Thoen). Rag-Time (d'Agrèves). A Cypres

(De Taeye). Bergère et Pastoureau (Mahy). Intermezzo (Poot).
1.0—News.
1.10—American Music by the Radio Orchestra. Conductor: Gason. Béthume (Violin). Sweet Adeline (Kern). Manhattan Serenade (Alter). Nocturne (Griselle). Violin: Futuristic Caprice (Malneck). Excerpts, "Mississippi" (Grofé).
1.35—Art Notes; For Farmers.
2.0—Act I, "Fedora" (Giordano) from the Théâtre Royal de la Monnaie. Conductor: Bastin. Cast: Hilda Nysa, Mmes Lyonel and Denié. Alcaide de La Scala, Milan, Toutenel, Parny, Resnik, Piergyl, Lefèvre, Sales, Maricq, Wilkin, Dognies and Wesley.
2.25—Interval and Commentary.
2.45—Act II, "Fedora."
3.20—Talk; Commentary.
3.40—Act III, "Fedora."
4.15—Commentary.
4.30—"Swan Lake" (Tchaikovsky). Conductor: René Defossez.
5.0—Hirsch Orchestra from Chaudfontaine Casino; at 5.15—Football Match Results.
6.0—For Young People.
7.0—Religious Address.
7.15—Records.
7.30—News.
8.0—Radio Orchestra. Conductor: Gason. Béthume (Violin). Selection, "Semiramide" (Rossini). Children's Corner (Debussy). Violin: Introduction and Rondo capriccioso (Saint-Saëns). Caprice in G (Brusselmans).
8.45—"Odette, dépêche-toi"—One-Act Play (Roudié).
9.0—Radio Orchestra. Conductor: Gason. Tristan Richepin (Songs), and Bobby Astor (Pfte.). Vocal Quartet. Overture, "The Land of Smiles" (Lehár). By the River St. Marie (Savino). Songs. From Meadow to Mayfair (Coates). Vocal Quartet. Shanghai Nights (Warren). Songs. Montmartre (Haydn-Wood).
10.0—News.
10.10—De Kers Dance Band from the Panthéon Palace.
11.0-12.0 m't.—Records. Overture, "Raymond" (Thomas). Scènes pittoresques (Massenet). Hindu Song, "Sadko" (Rimsky-Korsakov). Duet, "Lakmé" (Delibes). Viennese Potpourri. Caprice (Paganini-Kreisler). Intermezzo, Aisha (Lindsay). Polka (Grossmith). Selection, "Ever Green" (Rodgers).
BRUSSELS (No. 2) (Belgium)
 932 kc/s (321.9 m.); 15 kW.
 Programme in Flemish.
6.30-9.5 a.m.—Records; Gym; News.
9.5—Records: "Cavalleria rusticana" (Mascagni). Singers, Choir and Orchestra of La Scala, Milan.
10.15—Vaes (Cinema Organ).
11.0—Records: Light Music.
11.15—Salon Orchestra. Conductor: Féron. Jacqueline De Kesel (Songs).
11.50—Records of Raie da Costa.
12.0 noon—Records of Lotte Lehmann: Schumann Songs.
12.31 p.m.—Orchestra. Conductor: Walpot, and Folk Ensemble. Marches des marionnettes (Hullebroeck). Overture, "Si j'étais Roi" (Adam). Folk Ensemble. Selection, "Sunny" (Kern).
1.0—News.
1.10—Orchestra (contd.). Les Belges en diligence (Closset). Folk Ensemble. March of the Grenadiers (Scherzinger).
1.30-2.0—Records of Zarah Leander.
2.15—Request Records.
2.45—Philippe De Clerck (Pfte.). Sonatas in E major and D minor (Scarlati). Pastorale (Mozart). Romance in F (Brahms). Matins (Stehman). Fantasia Baetica (Falla).

3.15—Records of Chaliapin.
3.25—Belgian Saxophone Quartet.
3.45—Readings.
4.0—Belgian Saxophone Quartet.
4.20—Records of Elisabeth Schumann: Richard Strauss Songs.
4.30—For Children.
5.15—Records: Light Music.
5.30—Sports.
5.45—Salon Orchestra. Conductor: Féron. Madeleine De Beurme (Songs).
6.30—Yvonne Hudsyn (Songs). Kalme rust (Hullebroeck). Een liedje (Mann). De bloemen en de sterren (Mortelmans). Ik ken een lied (De Mol). 't Is in U zoetste lief (De Boeck).
6.45—Religious Address.
7.0—Salon Orchestra. Conductor: Féron.
7.30—Film and Book Reviews.
8.0—I.N.R. Symphony Orchestra. Conductor: Devresse. Marcelle Meyer (Pfte.). Symphony—La Reine (Haydn). Pfte. Concerto



A scene from "Fedora," which Brussels No. 1 broadcasts at 2 p.m. The Rome group is to present it on Tuesday

E.N.A.

(Rieti). Tongatabou (van de Woestyne).
8.45—An Air-Pilot at the Microphone.
9.0—Orchestra, Pfte. (contd.). Pfte. Solos. First Symphony (Brahms).
10.0—News.
10.10—Dance Music from the De Torenkelder, Antwerp.
11.0-12.0 m't.—Records. Selection, "Die Fledermaus" (J. Strauss) by Singers, Choir and Orchestra of the Berlin Opera. Conductor: Weigtger. Overture, "Marinarella" (Fucik) by the Salon Orchestra.

BUCHAREST (Romania)
 823 kc/s (364.5 m.); 12 kW.
 Relayed by Radio-Romania, 160 kc/s (1,875 m.).
5.30-6.30 a.m.—To be announced.
7.55—Chimes; Service.
11.0—Time; News; Water-Level.
11.5—Vasile Julea Orchestra.
12.10 p.m.—Time; News.
12.25—Vasile Julea Orchestra.
1.0—For Peasants.
4.0—Time; Weather.
4.2—Military Band.
5.0—Medical Talk.
5.10—Radio Orchestra. Conductor: Rogalsky. Mlle Badesco (Songs). Overture, "A Waltz Dream" (O. Straus). Waltz Song, Wo die Zitronen blühen (Strauss). Stolz Potpourri (Dostal). Waltz Song, Dorfschwalben aus Oesterreich (Strauss). Accelerationen - Walzer (Strauss). Song, Liebeswalzer (Strauss). Slav Dance (Dvořák). Waltz Song, The Blue Danube (Strauss). Pizzicato Polka (Strauss). Turkish March (Beethoven).
6.30—Play.
7.30—Film Records.
8.0—News; Film Records.
8.30—Sports Notes.
8.45-10.0—Concert. Galperin (Musical Saw), Ciuciu (Cymbalom) and a Balalaika Quartet.

SUNDAY (January 2)
BUDAPEST (No. 1) (Hungary)
 546 kc/s (549.5 m.); 120 kW.
8.30 a.m.—News.
9.0—Protestant Service.
10.0—Roman Catholic Service.
11.30—Opera Orchestra. Conductor: Fridl. Overture, Easter (Rimsky-Korsakov). Scènes pittoresques (Massenet). Excerpts, "Viora" (Szabados). Italian Caprice (Tchaikovsky); at 12.15 p.m.—Talk.
1.0—Records.
2.0—For Farmers.
2.45—Peter Szervánszky (Violin) and Tibor Paul (Flute).
3.30—Talk.
4.0—Station Orchestra. Conductor: Bertha.
5.0—Talk: Spain.
5.30—Toll Cigány Band.
6.35—Scandinavian Poetry—Talk with Recitations.

7.15—Sports.
7.30—Buttola Jazz Band.
8.25—News.
8.45—Budapest Concert Orchestra. Conductor: Rajter. Overture, "The Magic Flute" (Mozart). The Drum-roll Symphony (Haydn). Divertimento (Novak). Dance Suite (Roters).
10.0—Lakatos Cigány Band from the Café Bodo.
11.5—News.

BUDAPEST (No. 2) (Hungary)
 359.5 kc/s (834.5 m.); 18 kW.
10.15 a.m.—Orchestra.
2.0 p.m.—Records.
6.5—Talk.
6.35—Ungár (Pfte.).
7.25—News.

COLOGNE (Germany)
 658 kc/s (455.9 m.); 100 kW.
5.0 a.m.—See Hamburg.
7.0—Weather; Water Level.
7.5—Reading (Goethe).
7.15—Elisabeth Kessemeyer (Contralto), Reinhard Fritzsche (Flute), Kark Schwamberger (Viola da Gamba) and Karl Pillney (Harpsichord).
8.0—Religious Address.
8.30—Records.
10.0—"Der Spartaner vor dem Grosskönig"—One-Act Play (Gabele).
10.15—Septet (Beethoven) by the Berlin State Opera Chamber Music Ensemble.
11.0—Dance Music. Station Orchestra. Conductor: Eysoldt.
12.0 noon—Greetings.
12.5 p.m.—Music from Berlin.
1.0—Light Music by the Sextet, Reinhard Fritzsche (Flute) and Hermann Fassbender (Pfte.). Serenade (Schulenburg). Gondoliera (Ries). Flute and Pfte.: (a) Schneeflocken (Köhler), (b) Capriccio (Winkler). Ein Kinder-

märchen (Hippmann). Minuet (Rée). Lagunen-Serenade (Zander). Flute and Pfte.: (a) Flotenspiele (Haletzki), (b) Waltz (Hunrath). Eifeler Weibertanz (Unger). Der Spitzbub (Rixner). Ländler (Pachernegg).
1.45—Hints and Talks for Everyone.
2.15—Records.
2.30—"The False Prince"—Play (Denneborg).
3.0—See Breslau.
5.0—Variety Programme. Music by Beyer.
6.0—News.
6.5—Hans Haass (Pfte.).
6.35—Sunday Review; Sports.
7.0—See Hamburg.
9.0—News.
9.30-11.0—See Deutschlandsender.

DEUTSCHLANDSENDER (Germany)

191 kc/s (1,571 m.); 60 kW.
5.0 a.m.—See Hamburg.
7.0—Weather; Records.
7.20—At the Roter Ochs, Sassenfeld.
8.0—Malachowski Band, Oskar Sala and Felix Schröder (Trautonium and Pfte.).
9.0—Service.
9.45—Puccini Records.
10.15—Weather.
10.30—Adolf Wolf (Wurlitzer Organ) from the "Kamera," Berlin.
11.0—See Munich.
12.0 noon—Greetings.
12.10 p.m.—Music from Munich.
1.0—"Rumpelstilzchen"—Fairy Play (Grimm-Brand).
1.30—Records.
2.0—Swedish Folk Songs (Recorded).
2.30—Wind Band (Recorded).
3.0—Jahn Band, Hans Bund Pfte. Duo.
4.30—"Germans Outside the Reich sing in the New Year"—Sequence (Frotscher - Reimesch). Station Chamber Choir. Wind Instrument Quartet. Ella Nikolaus (Soprano). Oskar Jölili (Baritone). Hans-Georg Görner (Organ). Paul Klose (Speaker).
5.0—Beautiful Melodies. Station Orchestra. Conductor: Dobrindt.
6.0—Motto; News.
6.45—Sports.
7.0—See Hamburg.
9.0—News; Announcements.
9.30-11.55—Dance and Light Music. Busch Band. Hans Fetscherin (Tenor). Records of Adolf Wolff (Wurlitzer Organ).

FRANKFURT (Germany)
 1,195 kc/s (251 m.); 25 kW.
 Relayed by Cassel, Coblenz, Freiburg, and Trier, 1,195 kc/s (251 m.).
5.0 a.m.—See Hamburg.
7.0—Water Level; Weather; Snow Report.
7.15—Gym; For Peasants.
7.45—Beyer (Organ).
8.0—For Hitler Youth (Recorded).
8.30—Service.
9.15—Meditation.
9.30—Darmstadt Choir. Conductor: Grim.
10.15—"Aufruf und Bekenntnis"—Sequence (arr. Raymund Schmidt) with Readings from the Works of Ernst Moritz Arndt, Karl von Clausewitz, Paul von Hindenburg, Karl Kröger, Joseph Wehner and Heinrich Anacker, and German Classical Music.
11.0—See Berlin.
1.0 p.m.—See Stuttgart.
1.30—Records: Light Music.
2.15 (from Coblenz)—Eifel Folk Programme. Möttsch Peasant Band. Choir. Conductor: Lemling.

SUNDAY (January 2)

Josef Streit (Accordion). Nikolaus Lenz (Trumpet). Mathias Lang and Mathias Ewen (Speakers).

3.0—See Stuttgart.

5.0—In the Twilight—Variety Concert. Station Orchestra. Viennese Music by the Dietrich Schrammel Quartet. Gustav Jürgens (Songs to the Lute). Ludwig Manfred Lommel, etc.

6.0—Time; News.

6.10—Dance Records; Sports.

7.0—Light Music. Station Orchestra. Conductor: Hauck. Fritz Kullmann and Heinz Schröter (Pftes.). March (Rixner). Overture, "Le Maçon" (Auber). Lustige Tasten (Mayers). Diabolo (Lutz). Potpourri, Klingende Visionen (Hruby). Träume des Glücks (Küster). Fantasia on "La Paloma" (Müller). Klingende Farben (Börschel). Victoria Regia (Künneke). Tarantella (Fischer).

8.0—Station Choir and Orchestra. Conductors: Frickhoefer and Bruchhaus. Emmy Haimmüller (Soprano). Joachim Sattler (Tenor). Eine kleine Nachtmusik (Mozart). Aria, "Il Trovatore" (Verdi). Nocturne (Martucci). Aria, "Tosca" (Puccini). Nocturne (Dvořák). Duet, "Othello" (Verdi). Choir and Orchestra: Nachtlid (Schumann).

9.0—Time; News; Sports.

9.30—See Deutschlandsender.

11.0 p.m.—12.0 m't.—Records: Light Music. Ganz gross (Damis). Heute woll'n wir puppenlustig sein (Niel). Die Welt wird schöner mit jedem Glas (Siegel). Bummelpetrus (Werner). Im Radio gibt es heute Tanzmusik (Profes). Sektperlen (Kochmann). Schwipslied (Kreuder). Singend durch die Welt (Stone). Ja, der Wein schmeckt noch mehr (Beyer). Schöne Mädchen soll man küssen (Otten). Feuerwerk (Küster). Ein wenig Leichtsin kann nichts schaden (Rust). Wir woll'n mal wieder bummeln geh'n (Doelle). Jeder hat ein kleines Stammlokal (Kück). Nicht immer blüht uns am Rhein der Wein (Jäger). Wir woll'n das Leben geniessen (Rust). Ich trinke auf dein Wohl (Meisel). Waltz, Nachtschwärmer (Ziehler). Lebe wohl mein kleines Stammlokal (Roland).

HAMBURG (Germany)

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

5.0 a.m.—Bremen Harbour Concert.

7.0—News; Talk.

7.25—Bandonion Quintet. Mandoline Band. Kempcke Band; at 7.35-7.45—Gym.

9.0—Topical Talk.

9.15—Service from the University Church, Kiel.

10.0—"The Roar of the Engine"—Sequence about Men and Machines on the Racing-Tracks of the World (Wasmus-Schumm-Krantz)—The Patent Agent; The Otto Workshop, Karl Benz builds the first Car, The Lyons "Grand Prix" of 1914, The Post-War Period, The German 1937 Racing-Car.

11.0—See Berlin; at 11.55—Time; Weather.

1.0 p.m.—"De Prinzessin mit de lange Näs"—Fairy Play (Hecker).

2.0—Dances from "Le Roi s'amuse" (Delibes), by the Frankfurt Station Orchestra. Conductor: Rosbaud (Recorded).

2.15—Century-Old Towns in North Germany—Reports of the Festivals

in Soltáu, Frohse, Bad Segeberg, Trupe and Blankenburg.

3.0—See Stuttgart.

5.0—The 260th Anniversary of the Hamburg Opera House—Sequence (Kulenkampff). Music by Keiser, Handel, Telemann, Lortzing, Verdi, Puccini and Moniuszko, with Records

6.0—News.

6.10—Records: Künneke Music.

6.30—Sports; Weather.



Enrico Mainardi, cellist in Hamburg's 7 p.m. concert

7.0—Sixth People's Concert. Station Orchestra. Conductor: Röder. Helge Roswaenge (Tenor). Enrico Mainardi (Cello). Overture and Aria, "Der Freischütz" (Weber). "Cello Concerto in D (Haydn). Aria, "The Magic Flute" (Mozart). Comedy Overture (Reznicek). Festlicher Aufklang (Lürman). Two Arias from "The Mastersingers" (Wagner). Scherzo from the Third Symphony (Wetz). Aria and Waltz, "Der Rosenkavalier" (Strauss).

9.0—News.

9.20—Variety.

9.40-11.0—Programme from Deutschlandsender.

HILVERSUM (No. 1) (Holland)

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

8.35-9.40 a.m.—VARA Programme.

8.35—Records; News; Talk.

9.10—Records; Talk.

9.40-11.40—VPRO Programme.

9.40—For Children.

10.10—Service.

11.40 a.m.-4.40 p.m.—AVRO Programme.

11.40—Time; Talk by Dr. Koningsberger.

11.45—Film Talk by L. J. Jordan.

12.10 p.m.—"The New Year"—Nina Dolce and her Pusztá Band.

12.40—Talk.

12.55—Pierre Palla (Organ); Jetty Cantor and Bob Scholte (Songs).

1.40—Weekly Book Talk.

2.10—AVRO Orchestra, Conductor: Jan van Epenhuysen; Jo Juda (Violin).

3.55—New Year Greetings in Foreign Languages by Joh. Otten.

4.10—AVRO Dance Band, Conductor: Mossel.

4.35—Sports.

4.40—VPRO Talk.

5.10-7.40—VARA Programme.

5.10—For Children.

5.40—Orchestra, Conductor: de Groot.

6.10—Sports; Announcements; Records.

6.40—Variety.

7.40 till close—AVRO Programme.

7.40—Time; Sports; News.

7.55—AVRO Orchestra, Conductor: Treep. Jo Vincent (Soprano); Louis van Tulder (Tenor).

8.55—Radio Journal.

9.10—"L'heure exquisite," Conductor: Franz van Cappella; Mlle Pauquet (Songs).

9.40—"Echoes of Yesterday"—New Year Revue (Melis Stoke). Music by Dolf Karelsen. AVRO Dance Band, Conductor: Mossel.

10.25—Records.

10.40—News.

10.50—AVRO Dance Band, Conductor: Mossel.

11.10-11.40—Records.

HILVERSUM (No. 2) (Holland)

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

8.10 a.m.—NCRV Religious Programme.

9.10 a.m.-4.40 p.m.—KRO Programme.

9.10—Records.

10.10—High Mass.

11.40—Records.

11.55—KRO Orchestra. Conductor: Reinards; at 12.40 p.m.—Talk.

1.40—Letter-Box.

2.25—Records.

2.45—KRO Melodists. Conductor: Lustenhouwer.

3.40—For Invalids.

4.35—Sports.

4.40-7.25—NCRV Programme.

4.40—Service; Plug (Organ).

6.40—Records: Sacred Music.

7.25 till Close Down—KRO Programme.

7.25—Sports; New Year Greetings; News; Records.

8.10—KRO Orchestra. Conductor: Reinards.

8.55—1937 Revue.

10.10—News; Epilogue.

10.40-11.10—Talk in Esperanto.

KALUNDBORG (Denmark)

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

7.0 a.m.—Gym; Weather.

7.45—French Topical Talk.

8.0—German Talk: Silvester in Deutschland.

8.15—Anecdotes and Conversation in English.

9.0—Service from Haderslev Cathedral.

10.28—Weather; News.

11.0—Band. Conductor: Fjeldhoff.

Erik Sjöberg (Songs). Cadets March (Sousa). Ballet, "Coppélia" (Delibes). Potpourri (Grandjean). Aria, "Hans Heiling" (Marschner). Serenade, "Renaissance" (Lange-Müller). Dances, "El Polo Tejado" (Valverde). Walther's Prize Song, "The Mastersingers" (Wagner). The Handicap (Rosey). Songs: (a) Ja, jeg er hjemme, "Little Christie" (Hartmann), (b) Three Songs (Gade). March (Oscheit). Waltz, "A Waltz Dream" (O. Straus). Irmelin Rose (Peterson-Berger). Excerpt, "The Dollar Princess" (Fall). Sommersang (Fjeldhoff). Polish Dance (Scharwenka). Trepak (Tchaikovsky). Florentine March (Fucik).

1.0 p.m.—Reading.

1.20—Records.

2.0—Trio in E flat (Beethoven) by Leo Hansen (Violin), Gunnar Frederiksen (Viola), and Volmer Norup (Cello).

2.30—Children's New Year Festival from the Broadcasting Theatre. Svend Asmussen Orchestra.

4.0—Service from Christiansborg Castle Church.

5.20—Talk: Danish Jews.

5.50—Weather.

6.0—Time; News.

6.30—Talk: Niels Steensen.

7.10—Reading.

7.30-11.0—Scandinavian Ball and Cabaret; at 8.45—News.

11.0—Chimes.

KÖNIGSBERG (Heilsberg)

(Germany)

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

5.0 a.m.—See Hamburg.

7.0—Reading.

7.10—Records.

8.40—Station Choir.

9.0—For Hitler Youth (Recorded).

9.30—Road Report; Weather; Programme Announcements.

10.0—"Beethoven"—Sequence (Elbertzhausen).

11.0—See Berlin.

1.0 p.m.—Chess.

1.30—Variety.

2.15—"The White Snake"—Fairy Play (Bauer).

2.45—Topical.

3.0—Station Orchestra. Conductor: Wilcken. Hermann Drichel (Cello). Waloszczyk (Flute). Schurock (Clarinet). Bierotte (Trombone). Damerow (Xylophone). Kranke and Wünschmann (Pftes.). Overture, "Der Göttergatte" (Lehár). Waltz, Temperamente (Prager). Cello: Belcanto (Murzilli). Russisch (Knümann). Flute: Capriccio (Kempfer). Waltz, Klänge aus Pola (Lehár). Spanish Dance (Sarasate). Poème (Fibich). Overture, "Marinarella" (Fucik). Trombone: Der tanzende Traum (Grothey). Waltz, Im schönen Thal der Isar (Löhr). Two Pftes.: (a) Glatteis (Fischer), (b) Fox trot (Kröger). Rusticanelle (Cortopassi). Sorgenfrei (Vollstedt). Ein Traum von Wien (Wilcken). Xylophone: Pirouetten-Walzer (Kröger). March (Ricelli).

5.0—"An Old Violin"—Play (S. O. Wagner).

5.30—"Comrade, where are you?"—Programme for Ex-Servicemen.

6.0—Road Report; News.

6.10—"Vorsicht Glatteis" (Beware of the Ice)—Sequence (Bartels); Music by the Börschel Band, etc.

8.0—Sports.

8.20—Variety.

9.0—Road Report; News.

9.20—For Hitler Youth.

9.40-11.0—Light and Dance Music. Station Orchestra. Conductor: Wilcken.

LAHTI (Finland)

166 kc/s (1,807 m.); 150 kW. Relays Helsinki, 895 kc/s (335.2 m.). Transmits at intervals from 7.0 a.m.

8.0 a.m.—Service in Finnish.

9.50—News.

10.0—Endras Ensemble.

10.43—Time and Weather (Finnish, Swedish).

10.50—Navigation (Finnish, Swedish, German).

10.55—News (Swedish).

11.0—Service in Swedish.

2.0 p.m.—Music from the Restaurant Hungaria.

3.0—Records.

3.55—Talk.

4.15—Krohn Music by Helmi Sirén-Wikberg (Pfte.), Georg Wikberg (Cello), Sakari Heikinheimo (Songs).

4.45—Talk from Tampere.

5.0—Time and Weather (Finnish, Swedish).

5.10—Talks; Discussion.

6.35 p.m.—Radio Orchestra. Conductor: Linko. Zinnsoldaten (Kockert). Overture, "Morning, Noon and Night" (Suppé). Suite, Finnish Melodies (arr. Jäger).

7.30—Scandinavian Ball and Cabaret.

8.40—News (Finnish, Swedish).

9.0-10.0—Records: Scheherazade (Rimsky-Korsakov) by the Philadelphia Symphony Orchestra. Conductor: Stokowsky.

LEIPZIG (Germany)

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

5.0 a.m.—See Hamburg.

7.0—Hermann Zybill (Organ).

7.30—Records.

8.0 (from Dresden) — For Hitler Youth.

8.30—Light Music and Dance Music by the Fricke Band.

10.10—Robert Hohlbaum reads his story, "Nachfeier."

10.30—Herbert Pollack (Pfte.) Fugue in D, Prelude, and Scherzo (Busoni). Baroque Suite (Vollerthun).

11.0—See Berlin.

1.0 p.m.—Time; Weather; Records.

2.15—Songs and Stories.

2.45—Film Review.

3.0—See Stuttgart.

5.0 (from Dresden) — The Aeolian Harp — Radio Dialogue (Oda Schäfer) with Records of Schumann Pfte. Music.

5.40 — Lightning Sketches of Soviet Russia.

5.55—Sports; News.

6.10—New Year Resolutions — Sequence (Witt), Music by Nehring.

7.10—Operetta and Singspiel Music. Station Choir and Leipzig Symphony Orchestra. Conductor: Kretzschmar. Coda Wackers (Soprano). Melitta Wittenbecher (Soprano). Paul Reinecke (Tenor). Selection, "Herz über Bord" (Künneke), "Die Wette ums Glück" (Czernik), "Kaiserin Katharina" (Kattnigg), "Der Prinz von Thule" (Kattnigg), "Glückliche Reise" (Künneke), "Geheimnis einer Nacht" (Czajannek), "Die Dorfquelle" (Möckel), "Die Dorothee" (Vetterling), "Extrablätter" (Dostal), "Donna Juanita" (Suppé-Treumann-Mette) and "Nacht am Bosporus" (Joh. Strauss-Schliepe).

9.0—News; Sports.

9.30-11.0—See Deutschlandsender.

LILLE (Radio PTT Nord) (France)

1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 7.0 a.m.

4.45 p.m.—Concert.

5.30-6.30 — Programme from Paris (PTT).

6.30—Economic and Social Notes.

7.0—Dance Records.

7.15—Bach and Laverne Sketches.

7.30—News; Weather.

8.0—Records: Puccini Potpourri by the Berlin Philharmonic.

8.9—Sports; Records.

8.30 (also Limoges (PTT) and Toulouse (PTT))—"The Pearl Fishers" (Bizet), from the Opéra-Comique, Paris. After the Programme, News.

MONTE CENERI (Switzerland)

1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 10.30 a.m.

12.0 noon-1.0 p.m.—Records of Folk Dances.

4.0—For Invalids.

4.30 — Dance Music from Lugano Kursaal.

5.15—Sports; Records.

6.15—Sports.

6.30—Records: Cigány Music.

6.45—News.

7.0—Ivan Engel (Pfte.). Sonata in F (Beethoven). Pieces (Chopin): (a) Mazurka in C sharp minor, (b) Nocturne in C minor, (c) Prelude in D minor. Pieces (Bartok): (a) Four Old Melodies, (b) Scherzo, (c) Ballad.

7.30—Talk.

7.45—"New Year, New Life" — Revue (Nizza and Morbelli); Music by Storaci.

8.30—Dance Records.

9.0-9.5—Poem.

MORAVSKÁ-OSTRAVA

(Czechoslovakia)

1,113 kc/s (269.5 m.); 11.2 kW. Transmits at intervals from 5.45 a.m.

6.10 p.m.—Station Orchestra. Conductor: Klima. Prelude and Mazurka (Delibes). Torch Dance (Rubinstein). Träumerei (Schumann). Polonaise (Tchaikovsky). Excerpts from the Suite, Moods, Impressions and Memories (Fibich). Doubinushka (Rimsky-Korsakov).

6.40—"Sleighting Party"—Literary and Musical Programme. Actors and Singers of the National Theatre, Station Orchestra and Children's Chorus.

7.10—Station Orchestra. Conductor: Klima. Overture, "Les Dragons de Villars" (Maillart). In Good Humour (Malát). Polka (Sebor). Waltz (Fucik). Cuban Intermezzo (Morena). March, El Capitan (Sousa).

7.40—Talk: Newspapers.

7.55—See Brno.

8.55-10.30—See Prague.

MOSCOW (No. 1) (Russia)

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

1.0 p.m.—Programme in Swedish.

5.0—Talk.

5.30—Literary Programme.

6.0—Concert.

8.30—News.

9.0—Programme in English.

10.0—Programme in French.

11.0-12.0 m't.—Programme in Spanish.

MUNICH (Germany)

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

5.0 a.m.—See Hamburg.

7.0—Religious Address.

7.30 (from Bayreuth)—Türme erzählen"—Sequence (Schmitt) with Old Music by a Wind Band.

8.0—Classical Records.

8.30—Franz Gmahl (Pfte.).

9.0—Literary and Musical Programme.

9.30 (from Bayreuth)—"The Egerland"—Sequence (Heidler) with Music (arr. Barth).

10.40—"At a Nieder-Hachelsried Inn"—Sketch (Vermes).

11.0 — Trumpeter Corps from the Feldherrnhalle. Conductor: Kiessling. March, Friedensglocken (Urbach). Overture, "Eurynthe" (Weber). Selection, "Madame Butterfly" (Puccini). Waltz, Die Hydropathen (Gungl). Operetta Potpourri (Robrecht). March, Temperament im Regiment (Knoch).

12.0 noon — Station Orchestra. Mihalovic (Violin). Rakoczy Overture (Kéler-Béla). Madrigale (Simonetti). Ballet, "The Queen of Sheba" (Gounod). Violin! Canzonetta (Voigt). Waltz, Bad'ner Madln (Komzák). Besonnte Einsamkeit (Kaiser-Eric). Excerpt, "Boccaccio" (Suppé). Strandnixen (Friedemann).

1.0 p.m.—Records: Operetta and Light Music.

2.0—Talk: Winter Guests.

2.15—Winter Relief Fund Concert by Young People.

3.0—See Stuttgart.

5.0—Reading (Lange).

5.10—The Wörthmüller Quintet and a Saxophone Quintet.

5.40—Sports.

5.55—Talk on the following Opera.

6.5—"Don Carlos" (Verdi) from the National Theatre. Conductor: Clemens Krauss. Cast: Hans Nissen, Viorica Ursuleac, Karl Ostertag, Gertrude Rüniger, Alexander Svéd, Emil Graf, Georg Witer, Paul Bender, Erna Ruland, Carola Mayer, Felicie Hüni-Mihac-

SUNDAY (January 2)

sek, Josef Knapp, Theo Reuter, Odo Ruepp and Karl Schmid; at 7.0-7.20 and 8.0-8.25 — News and Talks.

9.50—News.

10.0-11.0—Music from Deutschland-sender.

NAPLES GROUP (Italy)

Naples, 1,104 kc/s (271.7 m.); 10 kW. Florence (No. 1), 610 kc/s (491.8 m.); Rome (No. 3), Bari (No. 2), Milan (No. 2), Turin (No. 2), and Genoa (No. 2), 1,357 kc/s (221.1 m.).

6.0 p.m.—Tipica Orchestra.

6.30—Sports; Light Music.

7.0—Time; News; Talk.

7.30—Music for Strings. In the interval, Talk.

8.40—To be announced.

8.50—Folk Music by the "Virtuosi campagnoli."

9.10—Dance Music.

10.0—News.

10.15-10.55—Dance Music.

OSLO (Norway)

260 kc/s (1,153.8 m.); 60 kW. Relayed by Fredrikstad, 722 kc/s (415.4 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 Trondheim, 629 kc/s (476.9 m.). Transmits at intervals from 7.30 a.m.

9.25 a.m.—Service.

11.40—News.

12.0 noon-1.0 p.m.—Sacred Music—Nielsen (Organ), Schjetne (Songs) and Hoem (Cello). Organ: Two Chorals (Pachelbel). Toccata (Bach). Aakallan (Norquist). O Jesulein süß (Bach). Arioso (Handel). Organ: Pastorale (Morè). Lullaby (Slijusky). Adagio (Strube). Legend (Okkenhaug). Gloria in excelsis Deo (Reger).

3.30—Norwegian Folk-Music—Daasvand (Songs) and Haugom (Violin).

4.0—Weather; Talk.

4.30—Station Orchestra. Conductor: Fjeldstad. Mittelbach (Trumpet), Schüttauf (Flute). March (Silva). Fairy-tale Overture (Rust). Russian Potpourri (Schirmann). Norwegian Dance (Lange). Trumpet and Orchestra: Concert Polka (Waldeufel). Dalecartian Melodies (Kallstenius). Flute and Orchestra: Fantasia (Andersen). Humoresque (Hanssen). Winterstürme (Fucik).

5.45—News.

6.15—Henriette Heide (Songs). Pieta Signore (Stradella). Ave Verum (Mozart). Amarilli (Caccini). The Sparrow (Elling). Lullaby (Olsen). Song (Olsen). Song (Monrad-Johansen).

6.35—Report.

7.0—Concert.

7.30-11.0 — Scandinavian Ball and Cabaret; at 8.40—News.

PARIS (Eiffel Tower) (France)

1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 7.0 a.m.

3.15 p.m.—"La Marseillaise" — A Film (Renoir).

4.45—See Lille.

5.30—To be announced.

6.30—For Farmers.

7.0—See Toulouse (PTT).

7.30—News.

8.0—Régina Guillemot (Violin) and Albert Lévêque (Pfte.). Pfte.: Two Preludes and Fugues (Bach). Sonata (Eccles). Violin: Prelude and Allegro (Pugnani-Kreisler). Pfte.: Two Chorals (Bach-Lévêque).

8.30—Variety Programme. Part I. Cabarets—Songs, Refrains, Poems and Sketches with Adrienne Gallon,

Lina Tyber, Jean Sorbier, Louis Lynel and Léon Kartun and the Bouillon Orchestra. Part II. "La Thune" (Fragerolles) by the Station Dramatic Troupe.

10.30—Records.

11.0-11.15—News.

PARIS (Poste Parisien) (France)

959 kc/s (312.8 m.); 60 kW.

7.52 a.m.—Records.

8.2—News.

8.36—Cigány Band Records.

9.1—News; Records.

10.7—Records: "Il est charmant" (Moretti).

10.20—"The New Year"—Records.

11.0—"S.D.L. Session"—Sequence with Pierre Dac, etc.

11.25—Records.

12.5 p.m.—Records for Children.

12.15—Magic and Sorcery—Records.

12.30—The Adventures of Prince Lumen, with Mireille Perrey and Robert Burnier.

12.45—Jean, Jac and Jo.

1.0—Vocal Quintet with Raymond Souplex and Jane Sourza.

1.30—Records.

1.45 — Lecture - Recital: Johann Strauss.

2.0—News.

5.0—Records.

7.0—Topical; Sports; Amusements.

7.20—Records: von Geczy Band.

7.40—Records: Boulanger Cigány Band.

7.50—Film Talk.

8.0—Topical.

8.5—Les Frères Jacasse.

8.10—Records. Waltz Suite (R. Strauss). The Flight of the Bumble Bee (Rimsky-Korsakov). Scherzo, "A Midsummer Night's Dream" (Mendelssohn).

8.30—Coco Aslan and his Friends, with Ded Rysel.

8.45—"La bonne histoire."

9.0—News.

9.5—Amateurs' Programme.

9.55—News.

10.5—Dance Music.

10.30-11.30—Records: Light Music.

PARIS (PTT) (France)

695 kc/s (431.7 m.); 120 kW.

7.0 a.m.—News; Record; Talk.

7.30—Records; News; Review.

8.15-8.30—Records.

9.0—For Farmers.

9.15—Baldi Cigány Band; at 9.30-9.45—Suzanne Feyrou (Children's Songs).

10.0—Andolfi Orchestra.

10.15—Odette Soumaie (Songs).

10.30—Programme Notes.

10.45—Andolfi Orchestra; at 11.15-11.30—Lucien Daninos (Songs).

12.0 noon—Yatove Orchestra; at 12.45 p.m.—1.0—News.

2.0 p.m.—"Maitre Bolbec et son Mari"—Play in Three Acts (Berr-Verneuil).

4.0—Operatic Programme: (a) "Les pantins de Violette" (Adam), (b) "Le portrait de Manon" (Massenet), (c) "Rose-Mousse" (Lecocq). Conductor: Tomasi.

6.0—For Farmers.

6.30—Sonatas (Handel and Debussy) by Suzanne Roche (Pfte.) and Robert Soetens (Violin).

7.0—News.

8.0—"Les Frères Jacques" present Alice Tissot and Paul Dullac.

8.30 (also Marseilles (PTT) and Alpes-Grenoble (PTT))—"Mithridate" (Racine), from the Comédie-Française.

10.30—News; Sports.

10.45—Records: Trio in E (Ferroud) by the Paris Wood-Wind Trio.

11.0—See Paris (Radio-Paris).

What Would You

	SUNDAY, Jan. 2	MONDAY, Jan. 3	TUESDAY, Jan. 4
Symphony Concerts Operas	2.0 Brussels 1: "Fedora." 4.0 Rome group: "Hänsel and Gretel." 4.45 Radio - Paris, Strasbourg: Lamoureux. 6.5 Munich: "Don Carlos" (Verdi). 7.0 Hamburg, etc.: Orch., Roswaenge, Mainardi. 7.55 Brno, Prague: Russian music. 8.30 Radio-Paris: Haydn to Stravinsky. 8.45 Budapest 1: Mozart, Haydn.	7.0 Budapest 1: "Manfred" (Byron-Schumann). 7.55 Prague: Dvořák symphonic poems. 8.0 Brussels 1: Contemporary French. 8.0 Rome, Turin groups: Opera excerpts. 8.20 Munich: Westerman, Glazunov. 9.0 Warsaw: Mozart, Brahms. 9.50 Budapest 1: Orchestra, pfte.	6.30 Stockholm: Weber, Bruch, Tchaikovsky. 7.0 Berlin: Beethoven, Reger. 7.15 Frankfurt: Max Bruch prog. 7.20 Bucharest: Schumann prog. 8.0 Brussels 1: "A Louis XV première." 8.0 Stuttgart: Handel Cycle, 1. 8.30 Eiffel Tower: Inghelbrecht. 8.40 (approx.) Turin group: Tansini, Ranzato (cello). 8.45 Rome group: "Fedora."
Chamber Music Recitals	2.0 Kalundborg: String trio (Beethoven). 3.25 Brussels 2: Saxophones. 4.30 Deutschlandsender: Songs. 6.15 Oslo: Song. 6.30 Paris (PTT): Handel, Debussy. 6.30 Stuttgart: Brahms Horn Trio. 7.0 Monte Ceneri: Pianoforte. 8.0 Eiffel Tower: Pfte., violin. 8.15 Beromünster: Organ. 8.35 Vienna: Rokyta (songs). 9.5 Warsaw: Moniuszko songs, vln. 10.5 National: Rawicz, Landauer.	2.40 Hilversum 1: Violin, pfte. 2.45, 4.0 Radio-Paris: Cello, song, pfte. 4.0 Paris (PTT): Organ. 7.0 Leipzig: Folk songs, etc. 7.35 Oslo: Polish pfte. music. 8.10 Vienna: Quintet (Schubert). 8.15 Deutschlandsender: Quartets. 8.15 Frankfurt: Pfitzner songs. 8.30 Stockholm: Songs to the lute. 9.0 Paris (PTT): Quartet, pfte. 9.20 Kalundborg: Mozart, Brodersen. 10.0 Poste Parisien: Lazzari prog.	2.45, 4.0, Radio-Paris: Pfte., song. 3.15 Warsaw: Rimsky-Korsakov. 4.50 Kalundborg: Vocal quartet. 5.30 Beromünster: Old instruments. 6.15 Brussels 1: Guitar, flute, viola. 6.30 Paris (PTT): Harp, song. 7.10 Hamburg: Pianoforte, horn. 7.30 Monte Ceneri: Organ. 8.15 Radio-Paris: Paris Quintet. 8.20 Prague: Pfte. quintet (Suk). 8.35 Budapest 1: Trio (Pizetti). 9.0 Athlone: Gordon Bryan (pfte.).
Plays and Feature Programmes	4.0 Radio-Paris: "France" (Riollet). 7.45 Beromünster: Dialect play. 8.0 Turin group: "The Lovers" (Goldoni). 8.30 Paris (PTT): "Mithridate." 9.5 Regional: "Hamlet."	8.15 Königsberg: "Das Opfer des Bauern Bross." 8.30 National: "Monte Cristo." 8.30 Strasbourg: "Les barricades mystérieuses." 9.25 Brussels 1: "Bethlehem in Flanders."	6.10 Munich: "Die Räuber" (Schiller). 8.10 Cologne: "Love-light." 8.40 Vienna: One-act play. 9.0 Poste Parisien: A famous trial. 9.30 Radio-Paris: "Adam, The Creator" (Capek).
Light Orchestral Bands Operettas	12.30 Radio-Paris: Laurent Orch. 3.0 Stuttgart: From Saarbrücken. 4.0 Strasbourg: Viennese music. 5.0 Brussels 1: Casino concert. 5.0 Deutschlandsender: Dobrindt. 6.30 Athlone: Variety Concert. 7.0 Berlin: Orch., band, singers. 7.0 Vienna: Variety concert. 7.10 Leipzig: Operetta music. 7.55 Athlone: Orch., contralto. 7.55 Hilversum 1: Orch., songs. 8.0 Strasbourg 1: Radio Orchestra. 8.0 Frankfurt: Orchestra, songs. 8.0 Rome group: Band concert. 8.30 Strasbourg: Mandoline orch. 9.40 Königsberg: Light music, dances. 10.0 Budapest 1: Cigány Band. 11.0 Frankfurt, Stuttgart: Records.	12.0 Radio-Paris: Ibos Orchestra. 1.30 Kalundborg: Radio Orchestra. 5.0 Radio-Paris: Cantrelle Orch. 6.10 Cologne: Operetta music. 6.10 Leipzig: Military Marches. 6.25 Vienna: Light opera music. 6.45 Königsberg: Light orchestral. 6.55 Beromünster: "The Count of Luxemburg." 7.15 Kalundborg: Danish Singspiel. 7.20 Athlone: Orchestra, violin. 8.0 Hamburg: Orchestral serenade. 8.3 Brussels 2: Radio orch., songs. 8.15 Swiss stations: For Swiss abroad. 8.30 Radio - Paris: "Ciboulette" (Hahn). 8.40 Hilversum 1: Song, organ, orchestra. 8.45 Budapest 1: Cigány Band. 9.0 Stockholm: Naval Band. 9.15 Oslo: Bergen Radio Orchestra. 9.35 Königsberg: Light music, dances. 11.0 Stuttgart, Frankfurt: Serenade.	12.20 Radio-Paris: Giardino Orch. 1.30 Kalundborg: Radio Orchestra. 1.40 Hilversum 1: Orchestra, oboe. 3.0 Deutschlandsender: Rambour. 5.0 Paris (PTT): Blareau Orch. 5.50 Budapest 1: Operetta. 6.10 Frankfurt: Waltzes. 6.40 Vienna: Operetta Music. 6.55 Beromünster: Songs, orchestra. 7.0 Athlone: Irish-Scots prog. 7.0 Cologne: Orchestra, cello. 7.0 Leipzig: Spanish Music. 7.0 Warsaw: Polish dances. 8.0 Munich: Request concert. 8.0 Warsaw: Wilno Orchestra. 8.15 Berlin: Operetta music. 8.20 Athlone: Irish music. 8.30 Paris (PTT): Light operas. 8.30 Strasbourg: Light orchestral. 9.20 Kalundborg: Operetta music. 9.30 Hamburg, etc.: Light music and dances. 9.30 Vienna: Marches. 10.0 Budapest 1: Cigány Band.
Talks (including News in English) Commentaries	3.55 Hilversum 1: Good Wishes in many languages. 6.0 Beromünster: Historical talk. 6.30 Stockholm: "1937." 7.40 Rome 2: English News. 9.0 Moscow: English programme.	7.10 Lille: Talk in English. 7.40 Rome 2: News in English. 8.0 Stuttgart: "Radetzky." 9.0 Moscow: English Programme.	4.0 Cologne: "Young Schiller." 7.40 Rome 2: English News and Talk. 10.0 Prague: News in English.
Variety Cabaret	8.30 Eiffel Tower: Variety. 9.0 Brussels 1: Musical Variety. 9.5 Poste Parisien: Amateurs' Hour. 9.40 Hilversum 1: New Year Revue.	6.10 Hamburg: Variety. 6.15 Stuttgart, etc.: Variety concert. 7.0 National: "Monday at Seven." 9.0 Post Parisien: Max Regnier.	8.0 Brussels 2: "We turn the clock back." 8.10 Beromünster: Variety. 8.10 Hilversum 1: "Tuesday Night." 8.10 Stockholm: Cabaret.
Dance Music	7.30 Budapest 1, Kalundborg, Oslo, Stockholm; 9.30, Deutschlandsender, etc., Vienna; 9.35, Prague; 10.5, Poste Parisien; 10.10, Brussels 1, 2; 10.15, Rome, Turin groups; 11.0, Paris (PTT), Radio - Paris, Strasbourg.	6.15 Prague; 7.0, Munich; 7.50, Hilversum 1; 9.20, Vienna; 10.0, Deutschlandsender, Kalundborg; 10.10, Brussels 2; 10.15, Turin group; 10.25, Regional; 11.0, National.	9.0 Warsaw; 9.30, Leipzig; 10.0, Deutschlandsender; 10.15, Kalundborg, Turin group; 10.20, Hilversum 2; 10.25, Regional; 10.50, Hilversum 1; 11.15, National.

Like To Hear ?

WEDNESDAY, Jan. 5	THURSDAY, Jan. 6	FRIDAY, Jan. 7	SATURDAY, Jan. 8
<p>6.25 Vienna: "Khovanshchina." 7.20 Budapest 1: "Khovanshchina" (Act 2). 7.45 National: Schneevoigt; Cyril Smith (pfte.). 7.55 Hilversum 2: Arnhem Orch. 8.0 Brussels 2: Classics. 8.0 Munich: Max Bruch prog. 8.0 Rome group: Pasquini, Haydn. 8.0 Turin: "Khovanshchina." 8.20 Kalundborg: Mozart, Kuhlau. 8.30 Strasbourg: Mozart, Bruckner.</p>	<p>2.0 Brno: "La Traviata." 5.0 Stockholm: Christmas Oratorio (Bach). 6.55 Leipzig: Rossini opera. 6.55 Beromünster: Schuricht. 7.5 Prague: Czech programme. 7.55 Hilversum 1: Concertgebouw. 8.0 Rome group: "Don Pasquale." 8.0 Stuttgart: Dvořák. 8.30 Radio-Paris: "Le roi d'Ys." 9.20 Kalundborg: Nielsen, Stravinsky.</p>	<p>6.10 Bucharest: "The Master-singers" (from the Opera). 6.55 Budapest 1: "The Valkyrie" (Acts 2 and 3). 7.0 Cologne: Max Bruch. 7.5 Warsaw: The Philharmonic. 8.0 Brussels 1: National Orchestra. 8.0 Stuttgart: Max Bruch prog. 8.0 Turin group: Molinari. 9.20 National: Contemporary music. 11.0 Radio-Paris, Strasbourg: Bizet, Mozart, Fl. Schmitt.</p>	<p>3.10 Hilversum 1: Residentie Orch. 5.0 Paris (PTT), Strasbourg: Colonne. 7.0 Frankfurt: Wagner excerpts. 7.0 Kalundborg: Roussel prog. 8.0 Brussels 2: Flemish music. 8.0 Eiffel Tower: Rabaud opera. 8.0 Turin group: "The Knights of Ekebù." 8.30 Strasbourg: Classics, French music. 10.10 Brussels 2: "La Traviata" rec.</p>
<p>2.45, 4.0 Radio-Paris: Pfte., song. 4.0 Berlin: Mozart quartet. 6.0 Brussels 1: 'Cello quartet, songs. 6.10 Cologne: Old music. 6.30 Paris (PTT): Two cellos. 7.0 Brussels 2: D'Haeyer songs. 8.0 Stuttgart: Alsatian prog. 8.0 Warsaw: Chopin. 8.10 Brussels 1: Old Belgian music. 8.30 Radio Paris: Choir. 8.45 Beromünster: Harpsichord (Bach).</p>	<p>2.45, 4.0, Radio-Paris: Pfte., song. 5.20 Oslo: Negro spirituals. 6.30 Paris (PTT): Organ. 7.0 Stuttgart: Chopin. 8.5 Budapest 1: Dohnányi (Pfte.). 8.30 Vienna: Přihoda (violin). 8.40 Athlone: Epiphany music. 9.0 Stockholm: Song, vln., guitar. 9.5 Warsaw: Tchaikovsky Trio. 9.30 Stuttgart, etc: Folk music. 9.55 Hilversum 2: Baritone, pfte. 10.10 Brussels 1: Old music. 11.0 Frankfurt, Stuttgart: Mozart.</p>	<p>4.15 Warsaw: Polish music. 5.0 Königsberg: Organ, choir. 5.0 Radio-Paris: Brussels wind players. 5.10 Hilversum 1: Organ. 5.15 Strasbourg: French music. 6.10 Leipzig: Contemporary. 6.30 Brussels 1: Pfte. (Turina). 7.15 Beromünster: Chopin. 8.25 Stockholm: Songs. 10.40 Hilversum 1: Pianoforte. 11.0 Stuttgart, Frankfurt: Bach, Haydn.</p>	<p>4.15 Paris (PTT): Pfte., song, saxophone. 5.10 Munich: Pfte., song. 5.30 Beromünster: Guitar. 5.40 Hilversum 1: Organ. 6.10 Berlin: Schubert programme. 6.15 Brussels 1: Music and poetry. 6.25 Regional: Walter Widdop. 7.0 Brussels 2: Tolkowsky (songs). 7.0 Eiffel Tower: Song, pfte. 8.45 Vienna: Violoncello. 11.0 Frankfurt, Stuttgart: Records.</p>
<p>6.25 Prague: "Princess Dandelion." 7.0 * Stuttgart: "Die rote Kuh." 7.45 Leipzig: "The Last Prussian." 8.30 Eiffel Tower: "Le Chemineau." 8.45 Brussels 1: "Aucassin and Nicolette." 9.20 National: A. J. Alan story.</p>	<p>5.0 Radio-Paris: "L'étourdi." 5.10 Cologne: "The three Kings." 5.30, 7.20, Athlone: Mystery plays. 7.0 Kalundborg: "Cant" (Munk). 8.30 Brussels 1: "L'orage." 8.30 Paris (PTT): "Twelfth Night." 9.20 Brno, Prague: Esperanto play.</p>	<p>7.5 Vienna: "Russian Wedding." 8.0 Deutschlandsender: "Das glückhafte Schiff von Dorkum." 8.30 Radio-Paris: "The Doll's House" (Ibsen). 9.0 Poste Parisien: "Le train de Venise."</p>	<p>7.0 Stuttgart: Fantasy. 7.30 Radio-Paris: Esperanto sketch. 8.0 Beromünster: "Wer ist der Täter?" 8.0 Rome group: "L'ora di farsibionda." 8.30 Radio-Paris: "Fairyland."</p>
<p>12.0 Radio-Paris: Garde Républicaine Band. 2.0 Kalundborg: Petersen Orch. 3.30 Cologne: Orchestra, songs. 5.0 Radio-Paris: Bailly Orchestra. 5.40 Budapest 1: Cigány Band. 6.10 Frankfurt, etc.: Light opera music. 6.10 Königsberg: Marches. 6.30 Stockholm: Old dances. 7.10 Kalundborg: Danish ballets. 7.30 Oslo: Popular orchestral. 7.50 Prague: Choir. 7.55 Hilversum 1: VARA Orch., song. 8.0 Berlin: Popular orchestral. 8.5 Stockholm: Bellman Rhapsody. 8.15 Deutschlandsender: Orch., pfte. 9.0 Warsaw: Schrammel music. 9.20 Kalundborg: Scandinavian music. 9.35 Königsberg: Light music, dances. 11.0 Stuttgart, Frankfurt: Records.</p>	<p>12.20 Radio-Paris: Cantrelle Orch. 1.35 Kalundborg: Radio Orchestra. 3.0 Deutschlandsender: Dobrindt. 4.45 Paris (PTT): Lafargue Orch. 5.0 Vienna: "Der Geiger von Nussdorf." 6.10 Deutschlandsender: Fröhlich Band. 6.10 Frankfurt: Popular orchestral. 7.0 Deutschlandsender: "Der Bettelstudent" (Millöcker). 7.0 Stockholm: An operetta. 7.0 Warsaw: "Fanny Elssler." 7.10 Hamburg: Film music. 7.15 Bucharest: Radio Orchestra. 8.0 Brussels 2: Radio Orchestra. 8.0 Munich: Request concert. 8.0 Turin group: "Mazzemarelo." 8.30 Eiffel Tower: "The Grand Mogul." 8.45 Regional: "The Geisha." 9.30 Budapest 1: Popular orchestral. 9.30 Hamburg: Serenade. 10.0 Vienna: Cigány Band.</p>	<p>12.0 Radio-Paris: Evrard Orchestra. 1.30 Kalundborg: Radio Orchestra. 3.0 Deutschlandsender: Hans Busch. 5.0 Paris (PTT): Locatelli Orch. 6.10 Cologne: Pop. orchestral. 6.10 Deutschlandsender: "Ice-Waltz." 6.10 Hamburg: Popular orchestral. 7.0 Munich: Augsburg concert. 7.15 Athlone: American music. 7.55 Hilversum 2: KRO Orchestra. 7.55 Prague: Russian opera music. 8.0 Rome group: "The Baron of Corbo" (operetta). 8.3 Brussels 2: Operetta (Poot). 8.10 Beromünster: "Der Rastelbinder." 8.30 Kalundborg: Handel. 8.30 Paris (PTT): Dances. 8.30 Strasbourg: "Frederica" (Lehár). 9.15 Oslo: Light orchestral. 9.20 Königsberg: Orchestra. 9.30 Berlin: Light orchestral. 9.50 Kalundborg: Choral concert.</p>	<p>12.15 Radio-Paris: Giardino Orch. 1.35 Kalundborg: Preil Ensemble. 3.0 Cologne: Variety concert. 6.0 Warsaw: For Poles abroad. 6.10 Deutschlandsender: Variety. 6.20 Prague: Military band. 7.0 Berlin: Variety concert. 7.0 Oslo: Light music. 7.0 Warsaw: Light orchestral. 7.10 Beromünster: Opera parodies. 7.25 Prague: Variety concert. 7.30 Naples group: "The Rose of Stamboul" (operetta). 7.35 Vienna: Variety concert. 8.0 Brussels 1: Variety concert. 8.0 Stockholm: Old dances. 8.10 Kalundborg: Radio Orchestra. 8.30 Paris (PTT): French music. 8.45 Bucharest: Predesco Orch. 9.10 Budapest 1: Radio Orchestra; Cigány Band (10.25). 9.15 Oslo: Old dances. 9.30 Prague: Operetta music. 9.45 Kalundborg: English music.</p>
<p>3.30 Berlin: Books. 6.30 Radio-Paris: "Vincent d'Indy." 7.10 Lille: Talk in English. 7.40 Rome 2: News in English.</p>	<p>5.30 Königsberg: "An artist in a work camp." 6.15 Paris (PTT): "Ideology." 8.15 Beromünster: Reading.</p>	<p>6.55 Beromünster: "Byron." 7.10 Kalundborg: "Bjørnson." 8.0 Regional: A. J. Alan. 9.0 Moscow: English Programme. 10.0 Budapest 1: News in English.</p>	<p>6.35 Radio-Paris: Science talk, 7.10 Lille: Talk in English. 7.40 Rome 2: News in English. 9.15 Cologne, etc.: Skating championships.</p>
<p>7.30 Regional: Two-Ring Circus. 8.15 Frankfurt: Cabaret. 9.0 Athlone: Pantomime. 9.0 Radio-Paris: Variety. 10.30 Poste Parisien: Cabaret.</p>	<p>6.10 Berlin: Variety. 7.45 Athlone: Christmas party. 8.0 National: Rhythm Express. 8.20 Poste Parisien: "Plaisirs de Paris."</p>	<p>6.25 National: George Formby. 9.20 Regional: Variety. 9.30 Athlone: Variety. 9.30 Eiffel Tower: Variety.</p>	<p>8.0 National: Variety. 8.15 Hilversum 2: Musical variety. 8.15 Poste Parisien: Max Regnier. 8.55 Hilversum 1: Variety. 9.10 Radio-Paris: Musical Variety.</p>
<p>7.30 Cologne; 9.0, Stockholm; 9.30, Frankfurt, Stuttgart, Vienna; 9.35, Oslo; 10.10, Budapest 1; 10.15, Rome group; 10.25, Brussels 1, Regional; 10.30, Brussels 2; 11.15, National.</p>	<p>5.0 Brussels 2; 7.0, Berlin; 9.15, Oslo; 10.0, Deutschlandsender, Kalundborg; 10.15, Turin group; 10.25, Regional; 10.50, Hilversum 1; 11.0, National.</p>	<p>4.55 Hilversum 2; 7.0, Königsberg; 8.30, Stuttgart; 9.20, Vienna; 9.35, Leipzig; 10.5, Budapest 1; 10.15, Kalundborg, Rome, Turin groups; 10.25, Brussels 1, Regional; 11.15, National.</p>	<p>8.0 Leipzig; 9.0, Stockholm, Warsaw; 9.20, Vienna; 9.30, Berlin; 9.45, Oslo; 10.10, Brussels 1; 10.15, Kalundborg, Rome; 10.30, Regional; 11.0, National, Radio-Paris, etc.; 11.15, Brussels 2.</p>

SUNDAY (January 2)

PARIS (Radio-Paris) (France)

182 kc/s (1,648 m.); 80 kW.
 6.58 a.m.—Programme Notes; Records.
 7.15—Time; News.
 7.35—Gym; Records.
 8.0—News; Records.
 9.15—For Farmers.
 9.30—Records.
 10.0—Causade Orchestra. Overture, "Les noces de Jeannette" (Massé). Waltz, Nights of Gladness (Ancliffe). Selection, "La belle Hélène" (Offenbach). The Rose's Farewell (Openshaw). Le chant de Matelot (de Sévérac). Pasodoble, Lejos de España (Falcon). Sous bois (Staub). Première valse (Durand). Henri Himmel Potpourri. En Bretagne (Rhené-Baton). Russian Dance (Tchaikovsky). Kleiner Wiener Marsch (Kreisler). Waltz, Soirs de Paris (Métayer). Mai (Hahn). Dolly (Fauré). Vous qui passez sans me voir (Misraki). Rondo capriccioso (Saint-Saëns). Rigaudon from "Dardanus" (Rameau). Danse bohémienne (Debussy). Die Forelle (Schubert). Czardas (Gungl).
 11.30—Jean Berthier (Organ). Carillon (Vierne). Songe d'enfant (Bonnet). Légende (Vierne). Variation on a Christmas Carol (Berthier). Noël Breton (Marty).
 12.0 noon—Roman Catholic Address by the Rev. Father Ducatillon.
 12.20 p.m.—Records: Sacred Music.
 12.30—Laurent Orchestra. Regiments-kinder (Fucik). Piece (Abraham). Adorable cantilène (Spencer). Les chevaux de bois détraqués (Friend-Palex). Just the way you look tonight. Clair de lune (Léoni). Torok Magyar (Szabadi). Liebestraum (Liszt).
 1.0—Time; News.
 1.15—Laurent Orchestra. Lu-Lu-Fado (Milano). Sing-Sing-Sing (Perma). Alone (Brown). Letzte Liebe (Gungl).
 1.30—Louis Lynel (Songs).
 1.45—Laurent Orchestra. Excerpt, "One Night of Love" (Schertzing). Amapola (Lacalle). September in the Rain (Warren). Coney Island (Warren).
 2.0—Sound News.
 2.10—For Children.
 3.0—Two Sketches: (a) "Lokis" (Mérimee - Lemonnier - Cossin), (b) Pris au piège (Roger-Francis Didelot).
 3.30—Pradys Orchestra.
 4.0—"France"—Play (Riollet-Georges Colin), with Georges Colin as César.
 4.45—Lamoureux Concert. Conductor: Bigot. Soloist: Mlle Wackman. Catalonia (Albeniz). Procecion del Rocio (Turina). Granada (Gaos). Spanish Rhapsody (Liszt). Habañera (Aubert). Spanish Rhapsody (Ravel). España (Chabrier).
 7.0—Radio-Paris Guignol by Bilboquet, Zecca, Rolande Gardet and Troupe: "La maison de l'Ogre" (Crozière). In the interval, Polichinelle.
 7.30—Mlle Ryna and Mlle Gaby-Redares (Songs).
 7.59—Time; Political Review.
 8.8—Foreign Affairs.
 8.15—Pierre Doriaan (Songs).
 8.30—Symphony Concert. Conductor: Clergue. Nathalie Radisse and Marcelle Herrenschildt (Pftes.). Turba Rabier and Lise Daniels (Songs). Symphony—La Poule (Haydn). Two Pftes. and Orchestra: Concerto pathétique (Liszt-Tcherepnin). Excerpts, "Hänsel

and Gretel" (Humperdinck). Selection, "Pulcinella" (Stravinsky); at 9.30—News.
 10.35—Sound News.
 10.45—Time; News.
 11.0—Bouillon Dance Band.
 1.0 a.m. (Monday) — Programme Notes.

PRAGUE (Czechoslovakia)

638 kc/s (470.2 m.); 120 kW.
 5.45 a.m.—Records; News.
 6.20—Police Messages.
 6.30—Karlsbad Municipal Orchestra.
 7.15—For Workers.
 7.35—Records.
 7.45—Reading.
 8.0—Four Fugues and Toccata (Cernohorsky) by Nemeč (Organ).
 8.15—Industrial Notes.
 8.30—Muzik Salon Quartet.
 9.25—Plots in Czech Literature.
 9.55—Books.
 10.0—Parts IV and V of the Christmas Oratorio (Bach). Station Choir and Orchestra. Conductor: Jeremiás. Spackova (Soprano), Stepanova (Mezzo-Soprano), Chorovic and Masak (Tenors), Otava (Baritone), Wiedermann (Organ).
 11.0—Chimes; Press Review.
 11.25—Military Band.
 12.20 p.m.—For Farmers (Czech, German).
 1.20-1.30—For Workers.
 2.30—FOC Orchestra. Conductor: Pekarek.
 3.35—"The Sea"—Play (Lovric).
 4.35—German Transmission: Songs to the Guitar; A Play (Droeschel).
 5.50—News (German).
 6.0—News.
 6.10-7.40—See Moravska-Ostrava.
 7.40—Talk.
 7.55-8.55—See Brno.
 8.55—Record.
 9.0—News.
 9.20—Records.
 9.30—News (German).
 9.35-10.30—Dance Music by Dvorsky and his Melody Boys.

RADIO-NORMANDIE (France)

1,113 kc/s (269.5 m.); 15 kW.
 6.45 a.m.—Military Band.
 7.0—Records.
 7.15—News; Press Review.
 7.45—Service from Rouen.
 8.0—Light Music.
 8.15—Tunes of Yesterday.
 8.30—Musical Alphabet.
 8.45—Concert.
 9.30—Music from the Shows.
 9.45—Light Music.
 10.0—Waltzes.
 10.15—Carson Robison and his Pioneers.
 10.30—Eddie Pola.
 10.45—Harry Roy's Dance Band.
 11.0—Light Music.
 11.15—Radio Parade.
 11.45—Music.
 12.25 p.m.—Roman Catholic Address.
 12.45—News.
 1.0—Records.
 1.30—Louis Levy's Orchestra.
 2.0—Variety.
 2.30—Jane Carr.
 2.45—Light Music.
 3.0—Serenade to Melody.
 3.30—Light Music.
 3.45—Al Collin's Band.
 4.0—Variety with Debroy Somers, etc.
 5.0—Light Music.
 5.15—Popular Music.
 5.30—Hildegarde.
 5.45—Variety.
 6.0—Roosters Concert Party.
 6.15—Music from the Shows.
 6.30—Revue with Jack Hylton's Band.
 7.0—Light Orchestral.

7.15—Variety.
 7.30—News; Sports.
 8.0-9.30—Variety.
 9.30—Humorous Sketches.
 10.0—Musical Comedy Music.
 10.15—Hill-Billy Sing-Song.
 10.30—Light Music.
 10.45—Tunes of Today.
 11.0—Vaudeville.
 11.15—Request Music.
 11.30—Trailer of Next Week's Programmes.
 11.45—Old Favourites.
 12.0 m't.—Midnight Melodies.
 12.30-1.0 a.m. (Monday) — Dance Music.

RENNES-BRETAGNE (France)

1,040 kc/s (288.5 m.); 120 kW.
 Transmits at intervals from 7.0 a.m.
 7.0 p.m.—News; Sports Talk.
 7.40—Records.
 8.0-10.30 (approx.) — See Paris (PTT).
 10.30 (approx.)—News; Concert.

ROME GROUP (Italy)

Rome (No. 1), 713 kc/s (420.8 m.); 50 kW. Bari (No. 1), 1,059 kc/s (283.3 m.); Palermo, 565 kc/s (531 m.); Bologna, 986 kc/s (304.3 m.).
 7.20-7.50 a.m.—Time; News.
 8.20—For Soldiers.
 9.0—Rural Programme.
 10.0—See Turin.
 11.0-11.15—Bible Reading.
 11.20 a.m.-1.15 p.m.—See Turin.
 2.30-3.15—Football Match Report.
 3.45—Sports.
 4.0—"Hänsel and Gretel"—Fairytale Opera (Humperdinck), followed by "Swan Lake"—Ballet (Tchaikovsky). In the intervals, Weather; Announcements; Sports.
 6.30—Sports.
 6.47—"Travel Adventures"—Sketch.
 7.0—Time; News; Talk.
 7.30—Light Music.
 8.0—Band.
 9.0—Talk.
 9.10—Song Potpourri. Cetra Orchestra. Conductor: Barzizza.
 10.0—News.
 10.15-10.50—Dance Music.

SOTTENS (Switzerland)

677 kc/s (443.1 m.); 100 kW. Relay by Geneva, 401 kc/s (748 m.).
 8.55-11.30 a.m.—From Geneva.
 8.55—Chimes.
 9.0—Protestant Service.
 10.15—Records.
 11.0-11.20—Talk: Twelfth Night.
 11.30—News; Records.
 5.0-7.0—From Geneva.
 5.0—Records.
 5.35—Vocal Quartet. Arias, "Joseph" (Méhul), "La Bohème" (Puccini) and "Rigoletto" (Verdi).
 6.0—Roman Catholic Address.
 6.30—Records.
 6.50—News; Sports.
 7.20—Dances. Radio Suisse romande Orchestra. Conductor: Appia. Scènes bohémiennes (Bizet). Une veillée en Bresse (Périlhou). Dance of the Brides of Kashmir (Rubinstein). Hungarian Dances (Brahms).
 7.55 till Close Down—From Geneva.
 7.55—Dialogues by Bibus and Cryptogame.
 8.15—Radio Suisse romande Orchestra. Selection, "The Tsarevitch" (Lehár). Potpourri, The British Empire.
 8.45—Readings.
 9.0-10.0 — Dance Music from the Moulin Rouge.

STOCKHOLM (Sweden)

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

8.30 a.m.—For Farmers.
 9.0—Records. String Quartet in G minor (Debussy). Twelve Etudes (Chopin).
 10.0—Service from St. Peter's Church.
 11.40—News.
 12.0 noon — Norrköping Orchestra. Conductor: Freudenthal. Overture, Morning, Noon and Night (Suppé). Suite algérienne (Saint-Saëns). A Summer Night in Madrid (Glinka). Uppsala Rhapsody (Alfvén). Covent Garden (Coates). Knightsbridge (Coates).
 1.0 p.m.—Talk.
 1.30 — Musical Miniatures. Karpe (Violin), Norrby (Cello), and Wiberg (Pfte.). Nocturne (Kotilainen). Violin: (a) Aria (Handel-Flesch), (b) Alter Refrain (Kreisler), (c) Lullaby (Townsend), (c) Dance (von Koch). Pfte.: (a) Impromptu (Chopin), (b) Lotusland (Scott). Cello: (a) Lament (Fauré), (b) Allegretto grazioso (Schubert-Casasado), (c) Mazurka (Popper). Andante espressivo and Scherzo (Mendelssohn).
 2.15—Reading.
 2.45—Kerstin Torlind (Songs), Barkel (Violin), Brandel (Pfte.). Violin Sonata (Wiklund). Five Songs (Söderman).
 3.30—Reading for Children.
 4.5—Göteborg Radio Orchestra. Conductor: Tor Mann. Suite, Intermezzo drammatico (Rangström). Serenade in D (Mozart). Prelude, "Le Déluge" (Saint-Saëns). Symphonic Suite, Paris (Ibert).
 5.0—Service.
 6.15—News.
 6.30—1937—Review (Bohman).
 7.30-11.0—Scandinavian Ball; at 8.45—News.

STRASBOURG (France)

859 kc/s (349.2 m.); 100 kW.
 6.45 a.m.—Gym.
 7.0-8.30—News (French and German).
 9.0—For Farmers.
 9.15—Records.
 10.0—Concert from Nice-Côte d'Azur.
 10.45—Protestant Service.
 11.30—Roman Catholic Service (German).
 12.0 noon—Light Orchestral. American March (Sousa). Serenade, Buona sera, Signorina (Stolz). Galanterie (Borchert). Comedy Overture (Kéler-Béla). Selection, "The Dollar Princess" (Fall). Waltz, Amour et printemps (Waldteufel).
 12.35 p.m.—News.
 1.0—Records: Grock Sketches.
 1.30—Talk: Chess.
 1.45—Concert from Lyons (PTT).
 2.30—Records.
 2.45—Medical Talk.
 3.0-4.0—See Paris (Radio-Paris).
 4.0—Viennese Music. Orchestra. Conductor: Bour. Grégoire (Violin). Radetzky March (Strauss). Overture, "Die Fledermaus" (Strauss). Waltz (Lanner). Violin and Pfte.: Caprice viennois (Kreisler). Selection, "Der Bettelstudent" (Millocker). Waltz, Neues Wien (Strauss). Neue Wiener Volksmusik (Komzak).
 4.45—See Paris (Radio-Paris).
 6.0—For Farmers.
 6.30—Motets and Carols by Strasbourg Cathedral Choir (Recorded).
 7.0—News; Weather.
 7.30—Light Music.
 7.45—News (German, French).
 8.30—Schiltigheim Workers' Mandolin Band and Rudloff (Baritone). March, Durch blühende Fluren (Schmidlin). Overture, Poesia Alpêtre (Simone). Songs. Waltz, Over the Waves (Rosas). Songs. Selection, "Cendrillon" (Andrieu).

SUNDAY (January 2)

Intermezzo, "Aisha" (Lindsay).
 Alsatian Dances (Merkling). Song,
 "The Bird Fancier" (Zeller). March,
 Zeitgeist (Blankenburg).
 9.30 — Excerpts, "Noël" — Poem
 (Boucher). Music by Vidal.
 10.30—News (French, German).
 11.0—Dance Music.

STUTTGART (Germany)

574 kc/s (522.6 m.); 100 kW.
 5.0 a.m.—See Hamburg.
 7.0 — Water Level; Weather; For
 Peasants; Gym.
 7.30—Roman Catholic Address.
 8.0—Records: Light Music.
 9.0—For Hitler Youth (Recorded).
 9.30—Chamber Music by the Gross-
 mann Quartet and Else Herold
 (Pfte.).
 10.10 (from Pforzheim)—"Von Ewig-
 keit zu Ewigkeit" — Song Cycle
 (Leger) by the Pforzheim Symphony
 Orchestra. Conductor: The Com-
 poser. Paula Baumann (Contralto).
 10.30—For Farmers.
 11.0—See Berlin; at 12.0 noon-12.15
 p.m.—Topical.
 1.0—"Hoch auf dem gelben Wagen
 . . ."—Humorous Sequence.
 1.30—Records.
 2.30 (from Karlsruhe)—A Day in a
 Baden Labour Service Camp for
 Girls.
 3.0—Light Classical Music from Saar-
 brücken. Station Orchestras. Con-
 ductors: Jung and Kasper. Rosl
 Seegers (Soprano). Engels (Tenor).
 Hans Karolus (Baritone). Wilhelm
 Strienz (Bass).
 5.0—New Year in the Mountains—
 Sequence of Mottoes, Verse, Songs
 and Dances (Holzer), with Records.
 6.0—News; Sports.
 6.30—Trio in E flat (Brahms), by
 Walter Schneiderhan (Violin), Max
 Zimolong (Horn) and Artur Haagen
 (Pfte.).
 7.0 (approx.)—Light Music.
 7.15—"An Engagement is announced
 . . ." — Humorous Sequence
 (Hofmeier).
 8.15—Station Orchestra. Conductor:
 Leonhardt. Arrau (Pfte.). Pfte. and
 Orchestra: Nights in the Gardens
 of Spain (Fallá). Pfte.: Two Etudes
 (Chopin). Pfte. and Orchestra: Bur-
 lesque (R. Strauss).
 9.0—Time; News.
 9.30—See Deutschlandsender.
 11.0 p.m.-12.0 m't.—See Frankfurt.

TOULOUSE (PTT) (France)

776 kc/s (386.6 m.); 120 kW.
 Transmits at intervals from 7.0 a.m.
 7.0 p.m.—Orchestra. Conductor:
 Tartanac. Indian March (Sellenick).
 Overture, "The Seraglio" (Mozart).
 Prelude, "L'épopée" (Tartanac).
 Waltz, Très jolie (Waldteufel).
 Selection, "Là-Haut" (Yvain).
 7.30—News.
 8.15—Announcements; Records.
 8.30 — From the Opéra-Comique,
 Paris. After the programme, News.

TOULOUSE (Radio-Toulouse)

(France)
 913 kc/s (328.6 m.); 60 kW.
 11.40 a.m. — Conte Pompadour
 (Andrieu).
 11.48—Roman Catholic Address; Ave
 Verum (Mozart).
 12.0 noon—News.
 12.30 p.m.—Film Music.
 12.40—Talk; Songs.
 1.15—"Un de la Canebière" (Scotto).
 1.45—Viennese Orchestra. Acclama-
 tions (Waldteufel). Douce fièvre
 (Ener). The Skater's Waltz (Wald-
 teufel). The Nightingale (Can).
 Idylle passionnelle (Razigade).
 2.0—News.
 2.5-2.15—Protestant Address.

4.30—English Concert.
 6.40—Refrains.
 6.55—News; Sports.
 7.15—Light Orchestral. Excerpts, "A
 Night in Venice" (Strauss);
 "Mirella" (Gounod), "Paganini"
 (Lehár). Light Music.
 7.45—Marches and Soldier Songs.
 8.0—Light Music.
 8.30—Variety.
 8.45 — Operetta Airs, "Trois de la
 marine" (Scotto), "Song of Happi-
 ness" (Lehár), "Parade du monde"
 (Borders), "Au Soleil du Mexique"
 (Yvain), "Orpheus in the Under-
 world" (Offenbach).
 9.15—"La Fête locale"—Fantasy.
 9.30 — Salon Orchestra. Polonaise
 (Chopin). Tango (Albeniz). Rustle
 of Spring (Sinding). Farandole,
 "L'Arlésienne" (Bizet). In a
 Monastery Garden (Ketelbey).
 10.0—News.
 10.15—English Concert.
 11.15 — Excerpts, "La Mascotte"
 (Audran).
 11.35—Light Music.
 11.50-12.0 m't.—News.

TURIN GROUP (Italy)

Turin (No. 1), 1,140 kc/s (263.2
 m.); 7 kW. Milan (No. 1), 814
 kc/s (368.6 m.); Genoa (No. 1)
 and Trieste, 1,140 kc/s (263.2 m.);
 Bolzano, 536 kc/s (559.7 m.);
 Florence (No. 2), 1,258 kc/s (238.5
 m.); and Rome (No. 2), 1,222 kc/s
 (245.5 m.).
 7.30-7.50 a.m.—Time; News.
 8.20-10.0—See Rome (No. 1).
 10.0—Mass from the Church of the
 Annunciation, Florence.
 11.0-11.15—Bible Reading.
 11.20—Sports.
 11.30—Request Music.
 12.0 noon—Time; News.
 12.15 p.m.—Variety.
 12.45-1.15—Records.
 2.30-4.0—See Rome (No. 1).
 4.0—Symphony Concert from the
 Teatro Adriano, Rome. Conductor:
 Schuricht. In the interval, An-
 nouncements; Sports.
 6.30-7.30—See Rome (No. 1).
 7.30—Light Music.
 7.40 Rome (No. 2 only)—News and
 Talk in English.
 8.0 — "Gli innamorati" — Play
 (Goldoni), followed by Wanda
 Luzzato (Violin).
 10.0—News.
 10.15-10.55—Dance Music.

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Re-
 layed by Graz and Linz, 886 kc/s
 (338.6 m.); Innsbruck, 519 kc/s
 (578 m.); Klagenfurt and Vorarl-
 berg, 1,294 kc/s (231.8 m.); and
 Salzburg, 1,348 kc/s (222.6 m.).
 6.45 a.m. — Chimes; Louis Dité
 (Organ).
 7.5—Motto; Programme Notes.
 7.10—Gym; Weekly Hints.
 7.45—Records: Light Music.
 8.45 — Mass from the Franciscan
 Church.
 10.0—For Farmers.
 10.20—Film Review.
 10.35—Time; Announcements.
 10.40—New York Philharmonic, Con-
 ductor: Toscanini; Lotte Lehmann
 (Soprano) and Jacques Thibaud
 (Violin) (Recordings).
 12.0 noon—Winter Relief Fund Con-
 cert. Station Band. Conductor:
 Sandauer. Eduard Larysz (Violin).
 Selection, "The Bartered Bride"
 (Smetana). Schatzwalzer (Strauss).
 Mutterlied, "Die Schützenlied"
 (Eysler). Violin: Ave Maria (Schu-
 bert). Children's Song Potpourri
 (Kliment). Ohne Wien und ohne
 Wein kann i net sein (Flemming).

Hundert Jahr is a Zeit (Sattmann).
 Tango, Hör' mein Lied, Violetta
 (Klose). Tango, Mohnblumen blühen
 (Schönherr). Johann Strauss Pot-
 pourri (Morena). Two Foxtrots
 (Flemming). Foxtrot, Bin kein
 Hauptmann (Abraham).
 1.25 p.m.—Trailer of Next Week's
 Programmes.
 2.0—Announcements; Books.
 2.40—Chamber Music by the Mildner
 Quartet. String Quartet in G minor
 (Debussy). String Quartet in D
 (Haydn).
 3.30—Talk: The Stoop Potters.
 3.55—Talk: Unforgettable Sweden.
 4.15—Talk: The Emperors' Tombs in
 Peking.
 4.40—"Ski-ing in Music"—Records.
 5.10—"The Alps"—Musical Se-
 quence (Heger), with the Vienna
 Tyrolers' League Male Voice Quar-
 tet and Amalie Thaler (Zither).
 6.0—Time; Sports.
 6.10—Ernst Zahn reads.
 6.30—Famous Singers of the Vienna
 State Opera — Records of Svéd,
 Maria Nemeth, von Pataky, Elisa-
 beth Schumann, Kipnis, Kerstin
 Thorborg, Tauber and Lotte Leh-
 mann.
 7.0 — Operetta and Light Music.
 Station Orchestra. Conductor:
 Holzer. Emmy Swoboda (Soprano).
 Emil Petroff (Tenor). Adalbert Noé
 (Saxophone). The Bohème Quartet.
 Overture, "Der Opernball" (Heu-
 berger). Quartet: Ich bin glück-
 lich, du bist glücklich (Profes).
 Tenor Song, "Der singende Traum"
 (Tauber). Soprano Song, "A Kiss
 in Spring" (Kálmán). Quartet:
 Ich bin ein stiller Zecher (Leopoldi).
 Saxophone: Der lachende Postillon
 (Kreuzberger). Waltz, Künstlerleben
 (Strauss). Soprano: Kennst du das
 Lied der Liebe? (Schönherr). Duet,



Miss Kaminska, mezzo-soprano,
 sings in the Warsaw programme
 at 3.5 p.m.

"Lannér and Strauss" (Römisch).
 Quartet: Komm' lass' dich verfüh-
 renauf eingutes Glaserl Wein (Föderl).
 Tenor: Der Weana Dialekt
 (Werner). Duet, "Der verlorene
 Walzer" (Stolz). Gallop, Loslassen!
 (Ziehrer). Quartet: Menschenfresser
 (Loubé). Tenor: A Steirerg'wand
 (Schiebl). Tiroler Adler-Marsch
 (Achleitner). Quartet and Orchestra:
 Da fang' ma von vorn wieder an!
 (Flemming). Overture, "Das Veil-
 chenmädel" (Hellmesberger). So-
 prano Song, "Die Fledermaus"
 (Strauss). Duet, "Hofball in Schön-
 brun" (Pepöck). Saxophone: Valse
 Edita (Schneider). Persian March
 (Strauss). Tenor: Servus meine
 Herren (Lorens). Duet, "Der

Rastelbinder" (Lehár). Quartet and
 Orchestra: Wenn der Mensch in
 Stimmung ist (Loubé).
 8.35—Erika Rokya (Soprano). Carols
 (Cornelius): (a) Christbaum, (b)
 Die Hirten, (c) Die Könige, (d)
 Simeon, (e) Christus, der Kinder-
 freund, (f) Christkind. Songs (Hugo
 Wolf): (a) Führ mich, Kind, nach
 Bethlehem, (b) Die ihr schwebet,
 (c) Zum neuen Jahr, (d) Epiphantias.
 9.10—News; Sports.
 9.30—Station Dance Band.
 9.55—Announcements.
 10.0-10.30—Station Dance Band.

WARSAW (Poland)

224 kc/s (1,339 m.); 120 kW.
 Relayed by Cracow, 1,022 kc/s
 (293.5 m.); Katowice, 758 kc/s
 (395.8 m.); Łódź, 1,339 kc/s (224
 m.); Lwów, 795 kc/s (377.4 m.);
 Poznan, 868 kc/s (345.6 m.);
 Torun, 986 kc/s (304.3 m.); and
 Wilno, 536 kc/s (559.7 m.).
 Transmits at intervals from 7.0 a.m.
 8.0 a.m.—Service from Łódź.
 9.30—Recordings of the Christmas
 Day Concert from the Vatican.
 10.30—Topical Talk.
 10.57—Time; Fanfare.
 11.3 (from Cracow)—Cracow Phil-
 harmonic, Conductor: Bierdiajew;
 Egon Petri (Pfte.). Overture,
 "Euryanthe" (Weber). Pfte. Con-
 certo in D minor (Brahms).
 12.0 noon—Art Review.
 12.10 p.m.—Reading (Gojawiczynska).
 12.30 (from Poznan)—Salon En-
 semble, Roesler-Stokowska (Mezzo-
 Soprano), Krzyzanowska-Zakowska
 (Soprano). Szrajber (Violin), Salecki
 (Tenor), "Les Cinq de Poznan"
 Vocal Ensemble, Madeja (Clarinet),
 Witkowski (Bassoon), Kulawiak
 (Bagpipes), etc. March, Hollywood
 (Leopold). Excerpts, "The Little
 Dutch Girl" (Kálmán). Polka
 (Meizer). Humoresque for Bassoon.
 Waltz Song (Grothe). Marionettes
 (Armandola). Violin: (a) Dancing
 Doll (arr. Kreisler), (b) Moto per-
 petuo (Ries). Symphonic Foxtrot
 (Robrecht). Sketch. Polonaise
 (Kurpinski). Two Songs (Niewia-
 domski). Folk Songs (arr. Obst).
 Piece (Chopin-Madeja). Valse
 (Chopin-Madeja). The Brigands
 (Maklakiewicz). Violin: (a) Kra-
 kowiak (Opieski), (b) Mazurka
 (Mlynarski). Polish Songs. Sere-
 nade (Gall). Mazurka (Wszelaczyn-
 ski). Mazurka (Osmanski).
 2.0 (from Lwów)—Folk Play.
 2.45—For Children.
 3.5—Scandinavian Composers. Kras-
 nosielska (Pfte.), Witowska-Kamin-
 ska (Mezzo-Soprano). Songs
 (Sibelius, Sinding, Grieg). Pfte.
 Sonata in E minor (Grieg).
 3.45—Reading.
 4.0—Station Orchestra from the Hotel
 Bristol. Conductor: Górzynski; at
 5.0—Talk.
 6.5 (from Poznan)—Play after Boles-
 law Prus (Balicki).
 6.35—Records; Programmes.
 7.40—Politics.
 7.50—News; Sports.
 8.20 (from Lwów)—Variety.
 9.5—Moniuszko Songs by Michalow-
 ski (Bass). Lament. The Old Cor-
 poral. Folk Song. Mother. Kra-
 cowiak. The Cossack. Old Age.
 9.50—Weissenberg (Violin). Sonata in
 G minor (Locatelli). Grave (Friede-
 mann Bach-Kreisler). Fugue in
 A (Tartini-Kreisler). Tarantella
 (Auer).
 9.50-10.0—News.

MONDAY Jan. 3

NATIONAL

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

10.15 a.m. (D)—Service.
10.30 (D)—Weather Forecast.
10.45—Cinema Organ.
11.15—Talk on Children.
11.30—BBC Scottish Orchestra: Anne Ballantine (Contralto).
12.45 p.m.—H. A. Bate (Organ).
1.15—Records.
1.45—"As I See It": George C. Nash.
2.0—Records.
2.30—The Cellini Trio.
3.0—Folkestone Municipal Orchestra.
4.0—Cinema Organ.
4.30—Records.
5.0—Albert Sandler and his Orchestra.
5.40—Frank Biffo's Brass Quintet.
6.0—The First News.
6.20—Etienne Amyot (Pfte.).
6.40—Music talk.
7.0—"Monday at Seven."
7.45—Robb Wilton in "The Court of Not-So-Common, Please."
8.0—Olive Groves (Soprano).
8.30—"The Count of Monte Cristo," by Alexandre Dumas.
9.0—The Third News.
9.20—"Empire Affairs."
9.35—London Mozart Orchestra.
10.40—Reading.
11.0—Joe Loss and his Band.
11.30-12.0—Dance Records.

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. (ex. Western)—National.
10.45 (ex. Western)—BBC Welsh Orchestra: Mary Maddock (Soprano).
10.45 (Western)—National.
11.30 (ex. Western)—Records.
12.0 (ex. Western)—Ballads.
12.30 p.m. (ex. Western)—Dance Records.
1.15 (ex. Western)—Light Orchestra. 1.45—Records.
2.30 (ex. Western)—Margaret Good (Pfte.).
3.0 (ex. Western)—Eddie Carroll and his Music.
3.40 (ex. Western)—Short Story.
4.0 (ex. Western)—Sonata Recital.
4.30 (ex. Western)—Vest Pocket Vaudeville.
5.0 (ex. Western)—Children's Hour.
5.0 (Western)—National.
6.0 (Regional, Northern, Western)—Charles Brill and his Orchestra: Leonie Zifado (Soprano).
6.0 (Midland)—Cinema Organ.
6.0 (Welsh)—Hywel Hughes (Pfte.).
6.0 (N. Ireland)—Ballad Concert.
6.0 (Scottish)—Studio Orchestra.
6.25 (Scottish)—Reminiscences of Old Time Concerts.
6.30 (Midland)—Records.
6.30 (Welsh)—Welsh Singing Festival.
6.45 (N. Ireland)—Agricultural Review.
7.0—The Second News.
7.20—Regional Announcements.
7.30 (ex. Welsh, N. Ireland)—"For the Elizabethan Home": Margaret Hodson (Virginals); Rudolph Dolmetsch, Millicent Dolmetsch (Recorders).
7.30 (Welsh)—Beirdd Ffair Rhos yng Ngweithdy'r Crydd.
7.30 (N. Ireland)—Agricultural Discussion.
7.50 (N. Ireland)—Pfte. music.
8.0 (ex. Western)—Dance Music from America: Richard Himber's Orchestra.
8.0 (Western)—"Westward Ho!"
8.30 (ex. Northern, Welsh, Scottish)—BBC Midland Orchestra, conducted by Leslie Heward.
8.30 (Northern)—Orchestra.
8.30 (Welsh)—Morgan Lloyd (Violin); Claudia Lloyd (Pfte.).
8.30 (Scottish)—Alfred Hollins (Organ).
8.55 (Scottish)—Scottish Dances.
9.5 (Welsh)—"Y Grefft o Fyw."
9.20 (ex. Western)—History of the Comic Song, part 1.
9.20 (Western)—Swindon G.W.R. Male Voice Choir: Douglas M. Durston (Pfte.).
10.0—News Summary.
10.25 (ex. Western)—Joe Loss and his Band.
11.30 (ex. Western)—Records.
11.50-12.0 (ex. Western)—Late News Summary.

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 100 kW. Dublin, etc. See Sunday.
1.30-3.0 p.m.—Records.
5.30—Among the Children.
6.0—Mozart Opera Records.
6.35—Irish News Feature.
6.45—News.
7.0—Talk by Joseph O'Neill: Improve your Bridge.
7.20—Irish Radio Orchestra and Nora Richardson (Violin).
8.0—Modern English Composers.
8.30—"How I wrote 'Yahoo,'" by Lord Longford.
8.45—Light Music by the Chatham Trio.
9.15—Ken O'Dea and N.O.C. Redmond in Light Songs at the Piano.
9.30—Variety.
10.30—News.
11.0—National Anthem.

BARCELONA (EAJI)

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

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW.
Transmits at intervals from 5.0 a.m.
11.0 a.m.—See Leipzig.
1.0 p.m.—News.
1.15—Glahe Band.
2.15—Exchange; Markets.
2.35-3.0—Records.
3.30—"The Lost Purse"—Play after Hebel (Wloka).
4.0—Chamber Music. Fantasietück for 'Cello and Pfte. (Schlemm). Songs (Edmund Schröder). Romance and Caprice for 'Cello and Pfte. (Reger). Songs (Reger). Spanish Dance for 'Cello and Pfte. (Granados).
4.30—Reading.
5.0—Jahn Band.
6.0—News.
6.10—Instrumental Records.
6.45—Evening Echoes.
7.0—Folk-Music by the Freundorfer Band and Dömpke (Bandonion).
8.0—Records of the Scala, Milan. Overture, "William Tell" (Rossini). Aria and Chorus, "Don Pasquale" (Donizetti). Aria, "Il Trovatore" (Verdi). Quartet, "Norma" (Bellini). Intermezzo, "Madame Butterfly" (Puccini). Aria, "Cavalleria rusticana" (Mascagni). Aria, Chorus and Finale, "The Force of Destiny" (Verdi).
9.0—News; Sports.
9.30-11.0—See Cologne.



A recent portrait of Lehár, whose "Count of Luxemburg" forms the Beromünster programme at 6.55 p.m.

BEROMÜNSTER

(Switzerland)
556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1.375 kc/s (218.2 m.).
5.30-5.50 a.m. (from Berne)—Gym.
11.0—Records.
11.29—Time; News; Exchange.
11.40 a.m.—12.45 p.m.—Records: Italian Music.
3.0—Household Hints.

3.5—Talk in Dialect: Karl Immermann and Marianne Niemeyer.
3.30—Music and Dance Records.
4.0—Unfamiliar String Quartets by the Reischer Quartet.
4.50—Records: Suite for Strings (Corelli).
5.0—Old Italian Music by Paula Koelliker (Contralto) and Kaethe Möller (Harpischord).
5.30—For Children.
6.0—Astronomy Talk.
6.10—Records.
6.20—Talk; Mind versus Matter.
6.45—Weather; News.
6.55—"The Count of Luxemburg"—Operetta (Lehár).
8.15—Review for Swiss Abroad.
8.30-9.30—See Monte Ceneri.

BRATISLAVA

(Czechoslovakia)
1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 5.15 a.m.
5.0 p.m.—Talks in Hungarian.
5.45-9.15—See Prague.
9.15-10.0—News (Hungarian); Records.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz and Görlitz, 1,231 kc/s (243.7 m.).
Transmits at intervals from 4.30 a.m.
11.0 a.m.—1.0 p.m.—See Hamburg; at 12.0 noon—News.
1.0-2.0—News; Exchange; Records.
3.0 (from Gleiwitz)—Orchestra. Conductor: Humpert; at 4.0-4.10—Talk.
5.0 (from Gleiwitz)—Eichendorff—Sequence (Tschierschke).
5.20 (from Gleiwitz)—A Visit to the Gleiwitz Art Exhibition.
5.40—Books; Announcements.
6.0—News.
6.10—"Blue Monday"—Variety (arr. Neubert-Krause), Music by Einegg. Station Dance Band, etc. Conductor: Günther, the Station Dramatic Troupe, etc.
8.0—Motto.
8.10—Fassbaender (Violin), Rohr (Pfte.). Sonata—Le Tambourin (Leclair). Sonata in C (Mozart). Aria (Reger) Sonata in G minor (Schubert).
9.0—News.
9.15—Interlude.
9.30-10.30—See Cologne.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.15 a.m.
4.40 p.m.—German Transmission: Literary Report; Records; Talk.
5.15—News; For Workers; Morse.
5.45-10.0—See Prague.

BRUSSELS (No. 1)

(Belgium)
620 kc/s (483.9 m.); 15 kW.
6.30-9.5 a.m.—Records; Gym; News.
12.0 noon—Records.
12.30 p.m.—Weather; Shipping.
12.35—Salon Orchestra. Conductor: Féron.
1.0—News.
1.10—Brenders Dance Band.
1.30—Records: Light Music.
2.0—Art Notes.
4.55—News.
5.0—Salon Orchestra. Conductor: Féron; at 5.20-5.30—Talk.
6.0—"Le Péruchet"—Sketch (Flament).
6.30—Records: Second Symphony (Beethoven).
7.0—Hygiene Talk; Sports; Interview.
7.15—Records.
7.30—News.
8.0—Contemporary French Music—I.N.R. Symphony Orchestra. Conductor: André. Benedetti (Violin). Suite provençale (Milhaud), Excerpts, "The Nothing-Doing Bar" (Milhaud-Honegger) Excerpts, "L'Eventail de Jeanne": (a) Fanfare (Ravel), (b) Waltz (Ibert), (c) Pastourelle (Poulenc), (d) Kermesse valse (Florent Schmitt).
8.45—"Le Trapezé Etoile"—Cantata (Simar) to Fleiselman Text (awarded the 1937 Prix de Rome for Music). The I.N.R. Orchestra and Choir. Conductor: André.
9.25—Scenes "Bethléem en Flandre" (Bethlehem in Flanders)—Play (Gers) (awarded the 1937 Prize of the Belgian Academy of French Language and Literature).
10.0—News.
10.10—Record: Ninon (Tosti).
10.15—Reading.
10.30-11.0—Records. Suite Bergamasque (Debussy). Suite en Rocaille (Schmitt).

BRUSSELS (No. 2)

(Belgium)
932 kc/s (321.9 m.); 15 kW. Programme in Flemish.
6.30-9.5 a.m.—Records; Gym; News.
12.0 noon—Records.
12.31 p.m.—Brenders Dance Band.
1.0—News; Shipping.
1.10—Salon Orchestra. Conductor: Féron.
1.30-2.0—Records.
4.55—News.
5.0—Radio Orchestra. Conductor: Douliez.
5.45—For Children.
6.30—For Ex-Servicemen.
7.0—Records.
7.30—Theatre Notes; Sports.
8.0—For Ex-Servicemen.
8.3—Radio Orchestra. Conductor: Douliez. Mme Maelfeyt-Rovies and Armand Franck (Songs). Overture, "Les Hironnelles" (Hirschmann). Two Songs (Lincke). Selection, "Die geschiedene Frau" (Lehár). March, "The Count of Luxemburg" (Lehár). Songs (Kálmán and Stolz). Wien, wie es lacht und weint (Hruby).
8.45—Pfte. Records.
9.0—Radio Orchestra (contd.). Overture, "Mignon" (Thomas). Arias, "Werther" (Massenet). Selection, "Carmen" (Bizet). Ballet and Jewel Aria, "Faust" (Gounod). Ballet, "Henry VIII" (Saint-Saëns).
10.0—News.
10.10-11.0—Brenders Dance Band.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania, 160 kc/s (1,875 m.).
Transmits at intervals from 4.30 a.m.
4.0 p.m.—Time; Weather; Talk.
4.17—Concert.
5.0—Books.
5.15—Quartet in F minor (Beethoven) by the Théodoresco Quartet.
5.45—Talk.
6.0—From the Minuet to the Fox-trot. Radio Orchestra. Conductor: Ghiga.
6.50—Educational.
7.5—Old Music. Radio Orchestra. Conductor: Radulesco. Mme M. Vasilescu-Dejana (Soprano) and Jiano (Flute). Symphony in B flat (Bach). Flute Concerto (Koeller). Songs (Mozart). Nocturne (Haydn).
8.10—Stefanescu (Songs). Song (Tosti). Song, "Tales of Hoffmann" (Offenbach). Song, "Der Waffenschmied" (Lortzing). Spanish Song, El relicario (Padilla).
8.30—News; Sports Notes.
8.45—Sibiceano Orchestra.
9.45—News (French, German).

BUDAPEST (No. 1)

(Hungary)
546 kc/s (549.5 m.); 120 kW. Transmits at intervals from 5.45 a.m.
11.5 a.m.—Balalaika Orchestra; at 11.30—News.
12.30 p.m.—Military Band.
1.40—News.
3.15—Talk.
4.0—Jankov (Violin).
4.30—Talk.
5.0—Workers' Choirs.
5.50—Talk: The Hungarian Language.
6.10—Dance Records.
7.0—"Manfred"—Dramatic Poem (Byron; trans. Abranyi), Music by Schumann.
8.20—News.
8.45—Sárai Cigány Band, Orbán (Songs).
9.45—News (German).
9.50—Opera Orchestra. Conductor: Rékai. Margit Laszloffy (Pfte.). Overture, "Titus" (Mozart). Pfte. Concerto (Stefania). Suite from "Petroushka" (Stravinsky).
11.5—News.

BUDAPEST (No. 2)

(Hungary)
359.5 kc/s (834.5 m.); 18 kW.
6.10 p.m.—German Lesson.
6.35—Talk.
7.0—News; Records.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 5.0 a.m.
11.0 a.m.—See Hamburg.
1.0 p.m.—News.
1.15—Schrammel Quartet.
2.0-2.30—For Children.
2.45—Markets.
3.0—See Deutschlandsender; at 4.0—"Epiphany"—Report.
5.0—"A Radio Calendar"—January.
5.50—Snapshots.
6.0—News.
6.10—Old Operetta Music. Station Orchestra. Conductor: Breuer.

Henny Neumann-Knapp and Else Veith (Sopranos), Meyer-Welfing and Neumann (Tenors), Salomon (Baritone). Overture and Song, "The Three Wishes" (Ziehrer). Duet and Trio, "Die Landstreicher" (Ziehrer). Overture, "Light Cavalry" (Suppé). Song, "Donna Juanita" (Suppé). Duet and Drinking Song, "The Lovely Galatea" (Suppé). Overture, "Das verwunschene Schloss" (Millöcker). Songs, "Der arme Jonathan" (Millöcker). Duet, "Gasparone" (Millöcker). Prelude to Act III, "Jakuba" (Strauss). Song and Duet, "Die sieben Schwaben" (Millöcker). Duet and Waltz, "Der Obersteiger" (Zeller). Selection, "Der lustige Krieg" (Strauss).
8.0—Sports Review.
9.0—News.
9.30-11.0—Light and Dance Music. Station Orchestra, Six Merry Singers, and Instrumental Quartet

DEUTSCHLANDSENDER

(Germany)
191 kc/s (1,571 m.); 60 kW. Transmits at intervals from 5.0 a.m.
11.0 a.m.—See Hamburg.
12.50 p.m.—News.
1.0—Variety with Herbert Jäger and Records.
2.0—Exchange; Markets.
2.15—Records: Old German Opera Music; at 2.30—Programmes.
2.45—Talk: Sports, Periodicals.
3.0—Station Orchestra. Conductor: Dobrindt; at 4.0—Reading.
5.0—"Stadt im Schnee"—Literary Sequence (Gert Randolph-Schmalnauer).
5.20—Annemarie Heyne (Pfte.). Scherzo in E flat (Brahms). Nocturne in G (Chopin). Waltz in E flat (Chopin).
5.40—Talk: Land Reclamation in the New Germany.
6.0—Motto; Weather; News.
6.10—Humorous Verses and Scenes (Paul Schaaf); Music by Alfred Jack. Records in the intervals.
7.0—Variety Concert from Stuttgart.
8.0—Svend Fleuron the Poet at the Microphone.
8.15—Chamber Music. Quartet (Haydn). Quartet in F (Dvořák).
9.0—News; Sports; Topical.
9.30-9.45—Serenade. Friedhelm Wiksch (Viola da Gamba), Bittner (Harpischord). Pastorela (Telemann). Variations on a Carol (Murschhauser). Theme and Variations (Haydn).
10.0-11.0—Busch Dance Band.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Cassel, etc. See Sunday.
Transmits at intervals from 5.0 a.m.
11.0 a.m.—See Hamburg.
1.0 p.m.—News.
1.10—Military Bands.
1.20—Industrial News.
2.15-2.45—For Children.
3.0—Nature Poems in Music—Coblentz Municipal Orchestra. Conductor: Jung. In the interval, Two Sketches (Rösler).
5.0—Topical.
6.0—News; Weather.
6.15—See Stuttgart.
8.0—Talk.
8.15—Pfitzer Songs by Gisela Derpsch (Soprano), the Composer at the Pfte. Leuchtende Tage. Under den Linden. Ich hör' ein Vöglein locken. Lockung. Mailied. Ist der Himmel darum im Lenz so blau. Immer leiser wird mein Schlummer. Abschied. Nun da so warm der Sonnenschein. Frühlingsahnung. Die Einsame. Venus mater. Gretel. Sonst.
9.0—News; Sports.
9.30—See Cologne.
11.0-12.0 m't.—See Stuttgart.

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW. Bremen, etc. See Sunday.
Transmits at intervals from 5.10 a.m.
11.0 a.m.—Hanover Castle Concert.
1.0 p.m.—News.
1.15—Light Music.
2.0—Shipping.
2.25—Puccini Records.
2.50—Ice Report.
3.0—Variety Concert with the Station Orchestra and Heinemann Band. Gertrud Schnitzer (Soprano), Stadelmaier (Tenor), Talks in the intervals.
5.0—Loewe Ballads by Jakschat (Baritone).
5.40—Talk: Farmers and the Food Supply.
5.50—Weather; Shipping.
6.0—News.

6.10—Light Music, Dance Music and Talks—Station Dance Band, Germer (Songs to the Lute), Accordion Duo, etc.
 8.0—Magdeburg Orchestra from the Town Hall. Conductor: Theil. Overture, Carnival in Nice (Heumann). Theme and Variations (Schönemann). Romanian Dance (Hoffmann). Harlequin Abendgesang (Kienzl). Overture, "Romeo and Juliet" (Tchaikovsky).
 9.0—News.
 9.20—Discussion: Anti-Komintern Propaganda.
 9.30—11.0—See Cologne.

HILVERSUM (No. 1)

(Holland)

160 kc/s (1,875 m.); 10 kW until 2.40 p.m.; 150 kW from 2.40 p.m. Also on Lopikerkapel, 722 kc/s (415.4 m.); 17 kW. VARA Programme.
 7.40 a.m.—Records.
 9.40—VPRO Service.
 10.0—Recitation; Records.
 11.10—Steyn (Organ); Records.
 12.10 p.m.—VARA Orchestra, Conductor: De Groot.
 12.55—1.25—Records.
 1.40—Dina Becht (Songs); Records.
 2.10—Recitation.
 2.40—Nap (Violin) and Alice de Klijn (Pfte.).
 3.10—Records.
 3.40—Concert by the "Fantasia." Conductor: Walis.
 4.10—For Children.
 4.40—Records.
 5.40—Amateurs.
 6.15—Music Talk, with Illustrations by the VARA Orchestra.
 6.50—Talk.
 7.10—VARA Orchestra, Conductor: Tiggers.
 7.40—News.
 7.50—The Ramblers, Conductor: Masman.
 8.25—Dramatic Programme.
 8.40—Concert by the "Fantasia," Conductor: Walis; the Kilima Hawaiians, Lisette Stevens (Songs) and Jong (Organ).
 9.40—Press Review; Records.
 10.25—Recitation.
 10.40—Mme Flipse-Snel (Songs).
 11.10—11.40—Records.

HILVERSUM (No. 2)

(Holland)

995 kc/s (301.5 m.); 15 kW until 6.10 p.m.; 60 kW from 6.10 p.m.
 NCRV Programme.
 7.40 a.m.—Bible Reading; Meditation; Records: Sacred Music.
 8.10—Records; at 9.10—Greetings.
 10.10—Service.
 10.40—Reading.
 11.10—Records; at 11.40—News.
 12.10 p.m.—Engels (Organ).
 1.10—Records.
 1.40—T. v. d. Garde (Soprano), Kuiler (Pfte.).
 2.40—Talk; Records.
 3.25—Bible Reading.
 4.25—Records; For Children.
 5.55—Records; Letter-box; Announcements; Report.
 7.40—News.
 7.55—NCRV Soirée. Addresses; NCRV Orchestra and Choir. Conductor: v. d. Hurk; at 9.40—News.
 10.25—Gymnastics.
 10.40—11.40—Records; Bible Reading.

KALUNDBORG (Denmark)

(Denmark)

240 kc/s (1,250 m.); 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.).
 Transmits at intervals from 6.0 a.m.
 11.0 a.m.—1.0 p.m.—Preil's Ensemble.
 1.30—Radio Orchestra, Conductor: Tuxen, Augusta Haugsted (Pfte.). Excerpts, "Eine Nacht in Venedig" (Strauss). Selection, "Faust" (Gounod). Marche parisienne (Ganne). Pfte.: Waldszene (Schumann). Overture, "La princesse de Trébizonde" (Offenbach). Excerpts, "Much Ado about Nothing" (Korngold). Suite, Fra Norden (Juel-Fredriksen). Selection, "The Duchess of Chicago" (Kálmán). March (Millocker); at 2.15—For Women.
 3.30—For Children.
 3.50—Announcements.
 4.0—Talk: The Bat and the Dragonfly.
 4.25—Weather; Exchange; Markets.
 4.50—Records.
 5.15—Talk: The War in North China.
 5.35—English Lesson.
 6.0—News.
 6.30—Talk: Social Workers.
 7.0—"The Hansens"—Sketch (Locher).
 7.15—The Danish Singspiel—Radio Orchestra, Conductor: Grundahl.

8.15—Pictures from Daily Life.
 8.45—Song Cycle, Farlige Dromme (Heise) by Benedicte Knudsen.
 9.0—News.
 9.20—Chamber Music. Pfte. Trio in C (Mozart). Pfte. Trio in C minor (Brodens).
 10.0—11.15—Preil's Dance Band; at 11.0—Chimes.

KÖNIGSBERG (Heilsberg)

(Germany)

1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.).
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.—Sec Hamburg.
 1.0 p.m.—News; Talk; Music.
 1.55—2.0—Exchange.
 2.35—For Mothers.
 2.50—"Figuren Allerlei"—Sketch.
 3.0—Orchestra.
 4.50—Ice Report.
 5.0—"Love in the Folk-Songs of the Nations"—Sequence with Poems and Records (Zieseemer).
 5.50—Announcements.
 6.0—Weather; News.
 6.10—"Old German Wedding Customs"—Musical Sequence.
 6.45—Station Orchestra, Conductor: Schönherr. Overture, "Ali Baba" (Cherubini). Spanish Caprice (Rimsky-Korsakov). Rhapsody (Liszt). Tanzwalzer (Busoni). Dance, "Salome" (Richard Strauss). Overture, "The Barber of Bagdad" (Cornelius). Selection, "Andrea Chénier" (Giordano).
 8.0—Topical.
 8.15—"Das Opfer des Bauern Bross"—Masurian Play (Hoepfel).
 9.0—News; Sports.
 9.20—Reading (E. W. Möller).
 9.35—11.0—Light and Dance Music.

LEIPZIG (Germany)

(Germany)

785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.).
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.—Dresden Orchestra.
 1.0 p.m.—News; Exchange.
 1.10—Records.
 2.15—Paul Eipper's reminiscences about his Childhood.
 2.35—Sports Report.
 2.50—Art Review.
 3.0—See Deutschlandsender; at 4.0—Markets.
 4.50—Talk: Karl Schurz.
 5.10—Music.
 5.25—Book Review.
 5.45—Talk: Elementary School Teachers in the New Germany.
 6.0—News.
 6.10—Parade Marches.
 7.0—Folk Songs by the Station Choir and Orchestra.
 8.0—Trude-Maria Schnell (Soprano), Petronella Boser (Contralto), Schneider-Marfels (Pfte.) and a Chamber Orchestra. Conductor: Fritzsche. Il Tramonto (The Sunset) to Shelley Text (Respighi). Rocco Suite for Voice and Pfte. Trio (Zilcher).
 9.0—News; Sports.
 9.30—11.0—See Cologne.

LILLE (Radio PTT Nord)

(France)

1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.30 a.m.
 7.0 p.m.—Records.
 7.10—Talk in English.
 7.25—Records.
 7.30—News; Weather.
 8.0—Rozanes Musette Orchestra.
 8.30—Station Orchestra, Conductor: Soret. Jeanne Bossut (Songs) and Robervyl. Overture, "Sigurd" (Reyer). Violin: Romance (Svendsen). Italian Caprice (Tchaikovsky). Robervyl in his Repertoire, Siegfried Idyll (Wagner). Suite bergamasque (Debussy). Songs. Selection, "Lohengrin" (Wagner). Légende (Chausson). Excerpts, Carnival Suite (Guiraud). Suite, "Fermors" (Rubinstein). Marche héroïque (Saint-Saëns).
 10.30—News.

LYONS (PTT) (France)

(France)

648 kc/s (463 m.); 100 kW. Transmits at intervals from 6.30 a.m.
 7.0 p.m.—Surprise Programme.
 7.30—News; Weather.
 8.0—Records.
 8.5—Musical, Humorous and Medical Reviews.
 8.25—Record.
 8.30—"Le Mariage de Télémaque" (Terrasse).
 10.30 (approx.)—News (French, German).

MONTE CENERI

(Switzerland)

1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 11.0 a.m.
 4.0 p.m.—5.0—See Beromünster.

6.15—For Farmers.
 6.30—Records.
 6.45—News.
 7.0—To be announced.
 8.15—See Beromünster.
 8.30—9.30—"San Gottardo"—Historical Scenes (Calgari), from Lugano.

MOSCOW (No. 1) (Russia)

(Russia)

172 kc/s (1,744 m.); 500 kW.
 5.0 p.m.—Literary Programme.
 5.30—Concerts.
 9.30—News.
 10.0—Programme in English.
 10.0—Programme in Hungarian.
 11.0—12.0 m't.—Programme in Spanish.

MUNICH (Germany)

(Germany)

740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.).
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.—Light Orchestral.
 12.0 noon—News; Topical.
 12.15 p.m.—Light Orchestral.
 1.0—News; Exchange.
 1.15—See Berlin.
 2.0—2.30—For Children.
 3.0 (from Nürnberg)—Chamber Music. Wilhelmine Holzinger-Rauh and Seiler (Violas) and the Gröschel Quintet. Overture, "Jeân de Paris" (Boieldieu). Theme and Variations (Kuhn). The Lake of Tsarskoe Selo (Tcherepnin). Sonntag in Lissabon (Niemann). Excerpts, "The Magic Flute" (Mozart).
 3.40—Political Talk.
 4.0—Weather; Markets.
 4.15—Records: Light Music.
 5.45—Talk for Skaters.
 6.0—Weather; News.
 6.10—Operetta Records.
 7.0—Dance Music by the Station Orchestra and Dance Band, Hannele Franck (Soprano).
 8.0—Reading: Das Porzellan-geschirr (Paul Ernst).
 8.20—Station Orchestra, Conductor: Winter. Emmy Braun (Pfte.). Two Orchestral Pieces (Westernman). Pfte. Concerto in F minor (Glazunov).
 9.0—News; Sports.
 9.20—Interlude.
 9.30—11.0—See Cologne.

NAPLES GROUP (Italy)

(Italy)

Naples, 1,104 kc/s (271.7 m.); 10 kW. Florence (No. 1), etc. See Sunday.
 6.0 p.m.—Light Music and Songs.
 6.15—News.
 6.25—Records.
 7.0—Time; News.
 7.20—Government Review.
 7.30—Flowers and Fruit—Concert. Valse des fleurs (Tchaikovsky). The Grape Festival (Pör). Edelweiss (Siegel). In the Chestnut Tree (Corti). Narcissus (Nevin). Herbstrosen (Strauss). Cherry Duet from "L'Amico Fritz" (Mascagni). Sous les tilleuls (Massenet). Myosotis (Waldeufel). Black Orchids (Richardz). The Pea-nut Vendor (Simon). Talk in the interval.
 8.40—"Round the World"—Radio Fantasy (Basilisco).
 9.0—Dance Music.
 10.0—News.
 10.15—10.55—Dance Music.

OSLO (Norway)

(Norway)

260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday.
 Transmits at intervals from 9.30 a.m.
 4.5 p.m.—Light Music.
 5.0—Talk from the Polytechnic.
 5.25—de Vries (Saxophone). Bouncing Ball (Tumbaur). Waltz (Crossman). Caprice (Johansen). Venetian Serenade (Svendsen). The Laughing Saxophone (Klettsch). Serenade (Perl).
 5.45—News.
 6.15—Economics.
 6.30—Variety Concert.
 7.15—Talk.
 7.35—Polish Music by Alme (Pfte.).
 8.10—Foreign Affairs.
 8.40—News; Topical Talk.
 9.15—10.0—Bergen Radio Orchestra.

PARIS (Eiffel Tower)

(France)

1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 6.30 a.m.
 8.0 p.m.—Recital by Nicole Rollet and Genio.
 8.30—See Lyons (PTT).
 10.30—Records.
 11.0—11.15—News.

PARIS (Poste Parisien)

(France)

959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m.
 12.0 noon—Exchange.
 12.5 p.m.—Records; at 12.25—News; Exchange.
 1.15—Amusements; Records.

MONDAY (January 3)

2.0—Exchange; News.
 3.45 and 4.35—Exchange.
 5.0—News.
 5.5—Cabaret.
 6.0—Exchange; News; Record.
 6.15—Radio Magazine.
 6.30—Poems (Haraucourt).
 6.50—Records: Danse macabre (Saint-Saëns).
 6.58—Racing; Topical; Talk.
 7.12—Sports; Amusement Guide.
 7.20—Records: Cuban Trio.
 7.40—Records.
 7.50—Three Martha Eggerth Successes.
 8.0—Topical.
 8.10—Music.
 8.25—"Under the Lamp" (Diamant-Berger).
 8.40—"La bonne histoire."
 8.57—News.
 9.0—Max Regnier and Company.
 9.55—News.
 10.0—Sylvio Lazzari Concert with Alice Raveau (Songs).
 10.30—11.0—Cabaret.

PARIS (PTT) (France)

(France)

695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.30 a.m.
 4.0 p.m.—Nibelle (Organ) from the Schola Cantorum.
 4.30—Reading (Paul Adam).
 4.45—Chouillier (Pfte.).
 5.0—Talk: Men and Books.
 5.15—Talk: Seventeenth Century Lyrics.
 5.30—Records.
 5.37—For Gardeners.
 5.45—Announcements.
 5.50—Art Review.
 6.0—Talk: The Educational Rôle of Museums.
 6.15—Talk: National Expenditure.
 6.30—Maurice Le Boucher Music, presented by Maurice Emmanuel. Mme Mellot-Joubert (Songs), Navarra ("Cello), Lavoillotte (Flute). "Cello: (a) Lamento, (b) Aubade. Songs: (a) Lames, (b) Chanson d'été, (c) Tourment. Flute: Ode à Marysas.
 7.0—Radio Journal; News.
 8.0—Gesky (Songs).
 8.15—Thérèse Marny (Songs).
 8.30—"Sostrine et le Kroumir"—Fantasy (Guyard).
 9.0—Chamber Music by the Calvet Quartet. Benvenuti (Pfte.) and Lucienne Tragin (Songs). Pfte.: Quintet (Hahn). Songs (Mozart). Pfte.: (a) Sonata (Mozart), (b) Nocturne en forme de valse (Pierné). Songs (Bondeville).
 10.0—Colombian Folk Music by the Leonor del Castillo Ensemble. Bambuco (Gutiérrez-Ronce). La Cabana (Mup). Alma de la Pampa. Waltz (Mussi). Las quatro Preguntas. Creole Serenade, Ay, ay, ay (Freire). Caprice (Albéniz). Cuando.
 10.30—News; Weather.
 10.45—11.0—Records.

PARIS (Radio-Paris)

(France)

182 kc/s (1,648 m.); 80 kW.
 6.28 a.m.—Programmes; Records.
 6.40—Time; News; Gym; Records.
 7.15—News; Records.
 8.0—News; Press Review.
 8.30—9.20—Programmes; Records.
 10.15—Programmes; Records.
 10.45—Reading.
 11.0—Records.
 11.45—Markets; Exchange.
 12.0 noon—Ibos Orchestra.
 1.0 p.m.—Time; News.
 1.15—Exchange; Markets.
 1.30—Mme Blanc-Audra (Songs).
 1.45—Ibos Orchestra.
 2.0—Programme Notes.
 2.5—Two Sketches (Tristan Bernard): (a) "La Révelation," (b) "Le Narcotique."
 2.30—Exchange; Markets.
 2.45—Yvonne Simonot ("Cello).
 3.0—Jane Montagne (Songs).
 3.15—Women's Journals.
 3.25—Reading: Van Gogh's Letters.
 3.45—Exchange; Markets.
 4.0—Nelly Veux (Songs).
 4.15—Kinderzonen (Schumann) by Germaine Salomon (Pfte.).
 4.30—Anniversaries.
 4.45—Exchange; Markets.
 5.0—Cantrelle Orchestra. Egmont Overture (Beethoven). Sarabande and Passetied (Daquin). Rustle of Spring (Sinding). Impressions d'Italie (Charpentier).
 6.0—Educational.
 6.30—Art Review and Talks.
 6.58—Programmes; Educational.
 7.30—Books; Diagnostics.
 7.55—Paul Reboux.
 7.59—Time; Foreign Affairs.
 8.8—Home Affairs.
 8.15—Paulette Fouquet (Songs).

8.30—"Ciboulette" (Hahn); at 9.30—News; Press Review; Review by Pierre Scize.
 10.30—Operetta Records.
 10.45—11.5—Time; News; Programmes.

PRAGUE (Czechoslovakia)

(Czechoslovakia)

638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.15 a.m.
 4.40 p.m.—Records.
 5.50—New Year Message.
 5.0—For Farmers.
 5.10—German Transmission: Humour; Weekly Review; Talk.
 5.45—News (German); Record.
 6.0—Time; News.
 6.10—Wireless Notes.
 6.15—Old and New Dances—Station Orchestra from Kosice.
 7.15—Talk: The State Budget.
 7.30—Carpathian Songs (Tvrđy) by Horakova (Soprano), Chorovic (Tenor), Otava (Baritone), Vojtek (Organ) and the FOC Orchestra, Conductor: The Composer.
 7.55—Dvořák Symphonic Poems inspired by Karel Erben Ballads. Station Orchestra. Conductor: Parik. The Watersprite. The Noonday Witch. The Golden Spinning-Wheel.
 8.55—News.
 9.15—German Lesson.
 9.35—Record.
 9.40—10.0—News in German.

RADIO-NORMANDIE

(France)

1,113 kc/s (269.5 m.); 15 kW.
 6.45 a.m.—Military Band.
 7.0—Records.
 7.15—News; Press Review.
 7.45—Physical Exercises.
 8.0—Music in the Morning.
 8.15—Light Music.
 8.30—Musical Barometer.
 8.45—Jane and John.
 9.0—Light Music.
 9.15—Variety.
 9.30—Military Band.
 9.45—Hildegarde.
 10.0—Melodies.
 10.15—Instrumental Music.
 10.30—Light Music.
 11.0—Dance Music.
 11.15—Something for Everybody.
 11.30—Light Orchestral.
 12.0 noon—Concert.
 12.45 p.m.—News.
 1.0—Concert.
 2.0—Fred Hartley's Sextet, with Cyril Grantham.
 2.15—Light Music.
 2.30—Popular Music.
 3.0—Harold Ramsay, etc.
 3.15—Tangos and Rumbas.
 3.30—Light Music.
 4.0—What's on in London.
 4.15—Celebrity Parade.
 4.30—Light Orchestral.
 5.0—Film Music.
 5.30—For Children.
 5.45—Irish Song Records.
 6.0—Children's Corner.
 6.45—Talk; News; Racing.
 7.0—Chansonnettes.
 7.25—News; Records.
 8.0—Variety Concert.
 9.0—To be announced.
 11.0—Café Concert.
 11.45—News.
 12.0 m't.—Midnight Melodies.
 12.30—1.0 a.m. (Tuesday)—Dance Music.

RENNES-BRETAGNE

(France)

1,040 kc/s (288.5 m.); 120 kW. Transmits at intervals from 6.30 a.m.
 6.0 p.m.—Economic and Social Notes.
 6.30—Sports Talk.
 6.45—News in English.
 7.0—News; Weather.
 7.30—Songs from Marseilles (PTT).
 8.0—News; Records.
 8.10—Talk: Social Assurance.
 8.30—Plays; (a) "Et in Terra Pax..." (Marc Denis), (b) "Comédienne" (Bousquet-Armont).
 10.30 (approx.)—News; Music.

ROME GROUP (Italy)

(Italy)

Rome (No. 1), 713 kc/s (420.8 m.); 50 kW. Bari (No. 1), etc. See Sunday.
 Transmits at intervals from 6.45 a.m.
 4.0 p.m.—News.
 4.15—De Angelis Tipica Orchestra.
 4.55—5.5—Poems.
 6.20—Royal Geographical Society's Report.
 6.30—Records.
 7.0—News.
 7.20—Government Review.
 7.30—Light Music.
 8.0—Orchestra, Conductor: De Fabritius. Franca Somigli (Soprano), Malipiero (Tenor). Over-

MONDAY (January 3)

ture, "Figaro" (Mozart). Una furtiva lagrima, "L'elisir d'amore" (Donizetti). Selva opaca, "William Tell" (Rossini). Tenor Aria, "Faust" (Gounod). Soprano Aria, "Turandot" (Puccini). Prelude to Act II, "Siberia" (Giordano). Tenor Aria, "Mignon" (Thomas). Venne una vecchierella, "Isabeau" (Mascagni). Prelude and Death of Isolda, "Tristan and Isolda" (Wagner).

SOTTENS (Switzerland)

677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.). 11.30 a.m.—News; Records. 12.0 noon-12.45 p.m.—"In Five Seconds I". 4.0-5.0—See Beromünster. 5.0-8.15—From Geneva. 5.0—Records. 5.20—Esperanto Lesson; Chess. 5.50—Talk: Gluck's Operas. 6.15—Micro-Magazine. 6.50—News; Weather. 7.0—Marthe Robert (Viola) and Piantoni (Pfte.). Pieces (Piantoni): (a) Eaux dormantes, (b) Dance, (c) Complaint. Soliliquy (Hahn). Forlane (Hahn). 7.20—Talk: Modern Finance. 7.40—Jane Lequin (Songs), Cherechewski (Violin). 8.15—See Beromünster. 8.30-9.30—See Monte Ceneri.

STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday. Transmits at intervals from 6.20 a.m. 4.5 p.m.—Balalaika Music. 4.30—Talk. 5.0—Records. 6.0—News. 6.30—Sketch (Almqvist). 7.15—Choir. Conductor: Lidstam.

Sanctus (Schubert). Jesu, Salvator Noster (Cordans). Shepherd of Israel (Bortmiansky). Kostbara gava (Rücker). Kung Liljekonvalje (Wikander). Solskensvisa (Palmgren). Uti var hage (Wennerberg-Reuter). Afstämning (Melander). 7.40—A Microphone Tour of Norrland. 8.30—Songs to the Lute (Möllerstedt) by Sven Scholander. Jungman Jansson. Visa till fiol. Helgdagskväll i timmerkojan. 8.45—News; Weather. 9.0-10.0—Naval Band. Overture, "Nebuchadnezzar" (Verdi). Excerpts, "Tannhäuser" (Wagner). Waltz, Wiener Blut (Strauss). Song, "Giuditta" (Lehar). Dalmelodier (Akerberg). En Hälsingsågen (Larsson). March Widqvist.

STRASBOURG (France)

859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m. 5.15—Suzanne Nicolas (Songs) (Bach, Handel, Lotti, Debussy, Fauré, Bretagne, Ravel). 6.0—Economic and Social Notes. 6.30—Light Orchestral from Limoges (PTT). 7.0—News; Weather. 7.30—Songs from Marseilles (PTT). 8.0—News (German). 8.15—News; Weather. 8.30—Les Barricades mystérieuses—Three-Act Play (Jacques Klein) by the Compagnie de l'Art Social. 10.30-11.0—News (French, German).

STUTTIGART (Germany)

574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Concert. 1.0-2.0 p.m.—Records. 3.0—Concert. Part I. Military Band. Part II. Baden-Baden Symphony Orchestra. 5.0—Chamber Music. Emma Mayer (Contralto), Kleemann (Violin), Haagen (Pfte.). Songs: (a) Jugend (Ewers), (b) Gebet (Bierbaum), (c) Schlummerlied

(Geissler), Suite in A for Violin and Pfte. (Hilda Kocher-Klein). Songs (Hilda Kocher-Klein): (a) Morgenlied, (b) Tanzmeister Wiedehopf, (c) Der Widerhall, (d) Tanzlieder der Mücken. 5.30—Topical. 6.0—News. 6.15—Variety Concert. Station Orchestra. Conductor: Bara. Melitta Wittenbacher (Soprano), Jautz (Tenor), Bräu (Saxophone), Danzi (Guitar), Wehrmann (Pfte.) and the Brändle Quintet. 8.0—Field-Marshal Radetzky—Anniversary Sequence (Tannheimer). 9.0—News; Sports. 9.30—See Cologne.

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.0 a.m. 6.55 p.m.—News; Sports. 7.15—Opera Music. Excerpts, "Poulidette" (Sellers), "Un de la Canebière" (Scott), "Les Gangsters du Château d'If" (Scott), "Honorine de Marseille" (Sellers), "En plein pastis" (Sellers). 7.40—Light Music. 7.55—Variety. 8.45—Light Music. 9.10—Talk.

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday. Transmits at intervals from 5.45 a.m. 11.0 a.m.—Reading (Hammelmuth). 11.20—Station Band. Overture, Espagnolia (Finck). Alt-Wien (Lanner-Kremsler). Selection, "Madame Butterfly" (Puccini). March (Königshofer). Kleiner Wiener-Marsch (Kreissler). 12.0 noon—Weather; News. 12.10 p.m.—Overture, "Waldmeister" (Strauss). Potpourri, Klingende Visionen (Hruby). Trio Serenade, An dich (Silving). Intermezzo, Der Schornsteinfeger (Rust). Secrets of the Adige (Caragna). Caravan (Ellington-Tizol). 1.0—Records of Tiana Lemnitz (Soprano). 1.30—Announcements. 2.0—Exchange; Markets. 2.15—Reading (Ruth Schumann). 2.40—For Women. 3.0—News; Markets. 3.5—Film and Dance Records. 3.50—Talks.

LAST NEWS BULLETINS

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

9.15—Excerpts, "The Gold Diggers"—Film (Warren). 9.30—Marches. 10.0—News. 10.15—English Concert. 11.15—"Amour? Qu'est-tu donc?"—Fantasy. 11.35—Light Music. 11.50-12.0 m't.—News.

TURIN GROUP (Italy)

Turin (No. 1), 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday. Transmits at intervals from 6.45 a.m. 4.0 p.m.—News. 4.15-4.50—Margherita Cicognari (Harp). 6.20—Royal Geographical Society's Report. 6.30—Records: Light Music. 7.0—Time; News. 7.30—Government Review. 7.30—Light Music. 7.40 Rome (No. 2 only)—News in English. 8.0—See Rome Group. 9.5—Topical. 9.15—Cetra Orchestra. Conductor: Barizza. 10.0—News; Weather. 10.15-10.55—Dance Music.

WARSAW (Poland)

224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday. Transmits at intervals from 5.15 a.m. 4.15 p.m.—Lanes (Cello). Adagio and Allegro (Boccherini). Prelude, Sarabande and Gigue (Bach). Cortège (Bosmans). Romance (Veermoolen). Dance (Rieti). Song (Szymanowski). The Flight of the Bumble Bee (Rimsky-Korsakov). 4.50—Sports Notes; Records. 5.30—Announcements; Variety. 6.0—For Soldiers. 6.30—Talks. 7.0—Music; News; Reading. 9.0—Station Orchestra. Conductors: Fitelberg. Overture, "The Magic Flute" (Mozart). Symphony in D (Brahms). 9.50-10.0—News; Press Review.

4.30—Matuschka (Cello), Dachs (Pfte.). Sonata in Old Style (Cassado). Les Chérubins (Couperin). Sicilienne (Fauré). The Flight of the Bumble Bee (Rimsky-Korsakov). 5.0—Burgenland Programme. 5.25—English Lesson. 5.45—Patriotic Front Review. 6.0—News; Weather; Topical. 6.25—Austrian Opera Music. Orchestra, Conductor: Schönherr. Hilde Sinnek (Soprano). Overture, "De Dorfbarbier" (Schenk). Excerpts, "Idomeneo" (Mozart-Busoni). Aria, "The Scraglio" (Mozart). March, "Fidelio" (Beethoven). Overture, "Das goldene Kreuz" (Brüll). Song, "Der Kuhreigen" (Kienzl). Prelude and Scene, "Der Evangelimann" (Kienzl). Aria, "The Queen of Sheba" (Goldmark). Prelude to Act III, "The Cricket on the Hearth" (Goldmark). Song, "Die tote Stadt" (Korngold). Prelude to Act III, "Der eiserne Heiland" (Oberleitner). Lullaby, "Der Schatzgräber" (Schreker). Prelude, "Der liebe Augustin" (Bittner). 7.35—"The Poet dreams"—Musical Sequence (Berdach). 8.10—String Quintet in C (Schubert) by the Sedlak-Winkler Quartet and Fritz Magg (Cello). 9.0—Talk in Dutch. 9.10—News; Announcements. 9.20-10.30—Station Dance Band.

WARSZAWA (Poland)

224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday. Transmits at intervals from 5.15 a.m. 4.15 p.m.—Lanes (Cello). Adagio and Allegro (Boccherini). Prelude, Sarabande and Gigue (Bach). Cortège (Bosmans). Romance (Veermoolen). Dance (Rieti). Song (Szymanowski). The Flight of the Bumble Bee (Rimsky-Korsakov). 4.50—Sports Notes; Records. 5.30—Announcements; Variety. 6.0—For Soldiers. 6.30—Talks. 7.0—Music; News; Reading. 9.0—Station Orchestra. Conductors: Fitelberg. Overture, "The Magic Flute" (Mozart). Symphony in D (Brahms). 9.50-10.0—News; Press Review.

TUESDAY Jan. 4

NATIONAL

For Time Signals, see Monday. 10.15 a.m. (D)—Service. 10.30 (D)—Weather Forecast. 10.45—Housekeeping talk. 11.0—Records: Gracie Fields. 11.40—Chamber Music. 12.15 p.m.—"Famous London Buildings": "The Guildhall." 12.45—Records. 2.0—BBC Scottish Orchestra: Jenny Black (Contralto). 3.0—Arthur Salisbury's Orchestra. 3.30—Cinema Organ. 4.0—Jack Wilson's Versatile Five. 4.30—Records. 5.0—Victor Olof Sextet. 5.40—Three Phases of the Polish: Désirée MacEwan (Pfte.). 6.0—The First News. 6.25—BBC Theatre Organ. 7.0—"For the Elizabethan Homes." 7.30—Talk. 7.45—Huntley Wright in "The Geisha." 9.0—The Third News. 9.20—Spain: "Background to the Civil War"—W. J. Entwistle. 9.35—British Women's Symphony Orchestra. Conductor, Boyd Neel. 10.30—Leslie Bridgewater Quintet. 11.15—Grosvenor House Dance Band. 11.30-12.0—Dance Records.

REGIONAL

For Time Signals, see Monday. 10.15-10.45 a.m. (ex. Western)—National. 10.45 (ex. Western)—Orchestra: Gwladys Gimlett (Soprano). 10.45 (Western)—National. 11.45 (ex. Western)—Cinema Organ. 12.15 p.m.—Theatre Orchestra. 1.15 (ex. Western)—Pfte. music. 2.0 (ex. Western)—"The Story of the Pantomime": Frank Birch. 2.20 (ex. Western)—Military Band. 3.0 (ex. Western)—Torquay Municipal Orchestra: Louise Nelson (Soprano). 4.0 (ex. Western, Northern)—"Bridge": Hubert Phillips.

4.0 (Northern)—Evensong from York Minster. 4.15 (ex. Western, Northern)—Hungarian Gypsy Party. 4.45 (Northern)—Records. 5.0—The Children's Hour. 6.0 (ex. Welsh, Scottish)—BBC Northern Orchestra. 6.0 (Welsh)—Military Band: Jack Lewis (Tenor). 6.0 (Scottish)—Silver Band. 6.30 (Scottish)—Scots Songs. 6.45 (Welsh)—Records. 7.0—The Second News. 7.20—Regional Announcements. 7.30 (Regional, Midland, Western)—Variety. 7.30 (Northern)—Gentlemen's Glee Club Concert. 7.30 (Welsh)—Welsh News. 7.30 (N. Ireland)—Dance numbers in quick tempo. 7.30 (Scottish)—Radio Visitor's Book. 7.45 (Regional)—Pfte. music. 7.45 (Midland)—Church Music. 7.45 (Western)—Records. 7.45 (Welsh)—Welsh miscellany of words and music. 7.45 (N. Ireland)—"This was Ulster." 8.0 (N. Ireland)—"Ulster Schools." 8.0 (Scottish)—Ria Ginster (Soprano); The Scottish Orchestra. 8.10 (Northern)—Manx Fairy Stories. 8.15 (Western)—Short story. 8.15 (Welsh)—From the Pontypool Educational Settlement. 8.20 (N. Ireland)—Irish Airs. 8.30 (Regional, Northern, Western)—Farewell Brunswick Square. 8.30 (Midland)—"Agriculture": discussion. 8.45 (Welsh)—Welsh talk. 8.50 (Midland)—Pfte. Recital. 9.0 (ex. Western)—Jack Payne's Party. 9.0 (Western)—Clifton Light Orchestra (String Section): Frederick Harvey (Baritone).

ATHLONE (Ireland)

565 kc/s (531 m.); 100 kW. Dublin, etc. See Sunday. 1.30-3.0 p.m.—Records. 5.30—Hamilton Harty Songs and Instrumental Music (Recorded). 6.15—Folklore and Old Tales (in Irish)—by Diarmuid O'Briain. 6.35—Irish News Feature. 6.45—News. 7.0—Irish-Scottish Programme. Talks and Songs by Alastair A. MacGregor, Cormac McGinley (Violin). Garda Metropolitan Ceilidhe Band. 8.5—Dual Personalities by Annie P. Smithson. 8.20—Belfast-Dublin Joint Programme of Irish Orchestral Music. 9.0—Gordon Bryan (Pfte.) and the Irish Radio Orchestra. 9.30—Variety. 10.30—News. 11.0—National Anthem.

BARCELONA (EAJ1) (Spain)

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

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.-1.0 p.m.—See Munich. 1.0—News; Opera Preview. 2.0-3.0—Krepela Sextet. 3.30—Orchestra from Königsberg. 4.30—"Welttheater der grossen und kleinen Toren"—Sequence with Excerpts from Nestroy's Plays and other Folk Drama. 5.0—Krepela Sextet. 6.0—News; Topical. 6.10—Opera Records. 6.45—Evening Echoes. 7.0—Station Orchestra. Conductor: Heinrich Steiner. Elly Ney (Pfte.). Egmont Overture (Beethoven). Pfte. Concerto in E flat (Beethoven). Four Tone Poems after Böcklin (Reger). 8.15—Operetta Music—Station Or-

chestra. Conductor: Willy Steiner. Overture, "Marinarella" (Fucik). Excerpts, "Maske in Blau" (Raymond). Excerpts, "Fräulein auf Urlaub" (Bär). Waltzes, "Das goldene Herz" (F. German). Song, "Die Hochzeitstanzreise" (Plessow). Song, "Firenze ridente" (Raffaelli). 9.0—News. 9.30-11.0—See Hamburg.

BEROMÜNSTER (Switzerland)

556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.). 5.30-5.50 a.m. (from Basle)—Gym. 11.0—Records. 11.29—News; Exchange. 11.40 a.m.-12.45 p.m.—Brahms and Liszt Records. 3.0 (from Berne)—Reading. 3.25—Lanner, Lehár and Lincke Records. 4.0-5.0—See Sottens. 5.0—Peasant Band. 5.30—A Vademecum for Music Lovers—4 Old Instruments. 6.25—League of Nations Report from Geneva. 6.40—Announcements. 6.45—News. 6.55—Songs. 7.20—Radio Orchestra. Conductor: Bernhard. 7.45—Spanish Music. 8.10—Variety. 9.25-9.30—Announcements.

BRATISLAVA (Czechoslovakia)

1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 5.15 a.m. 5.0 p.m.—Hungarian Transmission: Talk; Martha Farkas (Violin); For Workers. 5.45-6.15—See Prague. 6.15—Slovak Folk Songs. 6.40—See Prague. 7.10—Talk: Slovak Rivers. 7.30—Four Pieces (Mario Bruschet-uni) by Kolár (Violin) and Macudzinski (Pfte.). 7.45—Part of "Balthasar"—Play after Anatole France (Rusko) with Music by Polprecht, from Kosice. 8.55-9.15—See Prague. 9.15-10.0—News (Hungarian); Records.

chestra. Conductor: Willy Steiner. Overture, "Marinarella" (Fucik). Excerpts, "Maske in Blau" (Raymond). Excerpts, "Fräulein auf Urlaub" (Bär). Waltzes, "Das goldene Herz" (F. German). Song, "Die Hochzeitstanzreise" (Plessow). Song, "Firenze ridente" (Raffaelli). 9.0—News. 9.30-11.0—See Hamburg.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz and Görlitz, 1,231 kc/s (243.7 m.). Transmits at intervals from 4.30 a.m. 11.0 a.m.-1.0 p.m.—See Stuttgart. 1.0—News; Exchange. 1.15-2.0—See Hamburg. 2.30—Fairy Play (Schoke). 3.0—Station Orchestra. Conductor: Topitz; at 4.0-4.10—Winter Relief Report. 5.0—Reading; Talk. 5.45—Report; Announcements. 6.0—News. 6.10—Flemish Legends (Kirchner) by Liebold (Baritone), Gertrud Gottschalk (Contralto) and Instrumentalists of the Station Orchestra. 6.40—Music. 7.0—"Comrade Radio"—Sequence (Rausch) with the Station Orchestra, Choir and Players; at 8.0-8.10—Motto. 9.0—News. 9.15—Political Press Review. 9.30-10.30 (from Gleiwitz)—Serenade—Beuthen Chamber Music Ensemble. Quintet in A for Two Violins, Viola, Cello and Pfte. (Telemann). String Quartet in D (Haydn). Trio for Pfte., Violin and Cello (Mozart).

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.15 a.m. 4.40 p.m.—German Transmission: For Workers; For Farmers. 5.15—News; Music Review. 5.30—Record; Notes. 5.45-6.15—See Prague. 6.15 p.m.—Concert by Massed Choirs of Prostějov. Conductor: Grumlík. Kubelíková (Pfte.) and Zloril (Recitations). 7.10—See Prague. 7.25—Station Orchestra. Conductor: Bakala, Talman (Tenor). Overture, "Oberon" (Weber). Erlkönig (Schubert). Scherzo from the Triumphal Symphony (Smetana). Love Songs (Blödek). Legends in C major and G minor (Dvořák). 8.10-10.0—See Prague.

BRUSSELS (No. 1) (Belgium)

620 kc/s (483.9 m.); 15 kW. 6.30-9.5 a.m.—Gym; Records; News.

12.0 noon—Records.
 12.30 p.m.—Weather; Shipping.
 12.35—Brenders Dance Band.
 1.0—News.
 1.10—Salon Orchestra. Conductor: Féron.
 1.30—Cigány Band Records.
 2.0-2.45—Art Notes; For Schools.
 4.55—News.
 5.0—"Le Centaure"—Poem (Maurice de Guérin) with Debussy Music—read by Deligne.
 5.30—For Children.
 6.5—Talk.
 6.15—Chamber Music, with Alice de Belleroche (Guitar). Intermezzo for Flute and Guitar (Ibert). Minuet for Guitar, Flute, and Viola (Weber). Guitar: (a) Vidala (Brogua), (b) Habañera (Laparra), (c) Bolero (Ravel).
 7.0—Roman Catholic Review; Film Review.
 7.15—"Anna Pavlova et la Mort du cygne"—Sequence (Reynaldo Hahn) with Adam and Saint-Saëns Music.
 7.30—News.
 8.0—"A Grand Première in 1769"—Reconstruction of the Première of "Le Déserteur" (Monsigny), at the Théâtre des Italiens. Conductor: Souris.
 10.0—News.
 10.10—Records.
 10.55-11.0—Christus Vincit (Liszt).

BRUSSELS (No. 2)

(Belgium)
 932 kc/s (321.9 m.); 15 kW.
 Programme in Flemish.
 6.30-9.5 a.m.—Records; Gym; News.
 12.0 noon—Records.
 12.31 p.m.—Radio Orchestra. Conductor: Douliez; at 1.0-1.10—News; Shipping.
 1.30-2.0—Records.
 4.55—News.
 5.0—Salon Orchestra. Conductor: Féron.
 5.30—Records for Children.
 5.45—For Children.
 6.30—Grieg and Schubert Records.
 6.45—Industrial Review.
 7.0—Records. Romanian Rhapsody (Enesco). Caprice impromptu (Pierné). La Nuit (Rameau). Introduction and rondo capriccioso (Saint-Saëns). Polovstian Dances, "Prince Igor" (Borodin).
 7.30—News.
 8.0—"We turn back the Clock"—"De Roode Reinaert, Specht and Co" Cabaret (Suls), in Retrospect, with Lia Martin, Pierre Boyeyn and the Radio Orchestra. Conductor: Douliez.
 10.0—News.
 10.10-11.0—Records.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW.
 Relayed by Radio-Romania, 160 kc/s (1,875 m.).
 Transmits at intervals from 4.30 a.m.
 4.0 p.m.—Time; Weather; Letter-box.
 4.15—Orchestral Records.
 5.0—Art and Science Notes.
 5.15—Flowers in Music—Records.
 5.50—Talk.
 6.5—Jazz Music by Sibiceano (Pfte.).
 6.40—Educational.
 6.55—Schubert and Brahms Songs by Mme Evatie Costinesco.
 7.20—Schumann Symphonies by the Radio Orchestra. Conductor: Alessandresco; at 8.30—News; Sports Notes.
 9.10—Julea Orchestra.
 9.45—News (French, German).

BUDAPEST (No. 1)

(Hungary)
 546 kc/s (549.5 m.); 120 kW.
 Transmits at intervals from 5.45 a.m.
 11.5 a.m.—Cigány Band; at 11.30—News.
 12.30 p.m.—Endre Vocal Ensemble.
 1.40—News.
 3.10—For Women.
 4.0—Talk: Philip de Lászlo.
 4.30—Station Orchestra. Homage to Liszt (Rozsavölgyi). Rigaudon (Rameau). Piece (Hubay). Waltz Fantasy (Stolz). Spanish March (Paksy). Neapolitan Serenade (Pölgár). Spring Suite (Nevin).
 5.20—For Workers.
 5.50—"Gül Baba" (Huszka) (Recorded).
 8.10—News.
 8.35—Pfte. Trio (Pizzetti), by the Györi Trio.
 9.40—Italian Talk.
 10.0—Horváth Cigány Band.
 11.5—News.

BUDAPEST (No. 2)

(Hungary)
 359.5 kc/s (834.5 m.); 18 kW.
 4.55 p.m.—For Farmers.
 5.25—Station Orchestra.
 5.55—French Lesson.
 6.25—Records.



M. Alain, who sings the part of "Alexis" in the old opera from Brussels No. 1 at 8 p.m.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW.
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.-1.0 p.m.—See Munich; at 12.0 noon—News.
 1.0—News; Riddles.
 1.45-2.0—Markets.
 2.30—Talk; Markets.
 3.0—Sextet, Pfte. Duo, Accordion.
 4.0—"The Young Schiller"—Reports from the Poet's Swabian Homeland.
 5.0—Johanna Undel (Contralto), Rieth (Bass).
 5.35—Talk by Paul Alverdes: Language as Expression of a Nation.
 5.50—Snapshots.
 6.0—News.
 6.10—The Countryside in Music. Eifelbilder for Oboe and Pfte. (Adams). Two Pieces for Pfte. (Haass): (a) Feldweg am Sonntagmorgen, (b) Kirmestanz. Oberpfälzer Bauerntänze for Violin, Cello, and Clarinet (Herbst). In the interval, Talk by the Cologne Station Music Director.
 7.0—Station Orchestra. Conductor: Eysoldt. Michels (Cello). Overture, "Cavalleria rusticana" (Mascagni). Liebeslied (Liszt). Serenade for Cello and Strings (Volkmann). Excerpts, "Swan Lake" (Tchaikovsky). Norwegian Dances (Grieg). Humoresque (Rachmaninoff).
 8.0—Discussion: Stage and Film Dialogue.
 8.10—"Licht der Liebe"—Two Dialogues and a Poetical Interlude (Kuhnert), with Music by Knapstein. Annie Bernards (Contralto) and Matern (Tenor), and Speakers.
 9.0—News.
 9.15—Political Press Review.
 9.30-11.0—See Hamburg.

DEUTSCHLANDSENDER (Germany)

191 kc/s (1,571 m.); 60 kW.
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.-12.50 p.m.—See Stuttgart.
 12.50—News.
 1.0—Variety.
 2.0—Exchange; Markets.
 2.15—Records: Folk Music.
 2.45—"Secrets of the Bee World"—Sequence.
 3.0—Rambour Band; at 4.0-4.10—Topical.
 5.0—Grieg Recital by Rieger (Baritone) and Hammar (Pfte.). Six Lyric Pieces. Songs: (a) To the Fatherland, (b) Eros, (c) From Monte Pincio, (d) Midsummer Eve.
 5.30—"Iceland"—Sequence of Legends (Kinsky).
 5.55—Genealogy.
 6.0—Motto; Weather; News.
 6.10—Variety, with Pfte. Duo, Band-donion, and Songs.
 7.0—Dobrindt Band.
 8.0—Political Press Review.
 8.15—"Milestones in the History of German Sport"—Sequence.
 9.0—News; Topical.
 9.30-9.45—Bassoon Concerto (J. C. Bach).
 10.0-11.0—Busch Dance Band.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW.
 Cassel, etc. See Sunday.
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.-1.0 p.m.—See Munich.
 1.0—News; Records.
 2.0—Talk; Markets.
 2.15-2.45—"Clara Schumann."
 3.0—See Königsberg.
 4.30—Lena Stülpnagel (Contralto), Müller-Chappuis (Pfte.).
 5.0—Topical.
 6.0—News.
 6.10—Waltzes—Station Orchestra and Elfriede Draeger (Soprano).
 7.15—Max Bruch Commemoration Concert. Station Choir and Orchestra. Conductors: Frickhoeffer and Bruchhaus. Isabella Schmitz (Violin), Coba Wackers (Soprano), Wolf (Baritone). Prelude to Loreley. "Normannenzug," for Baritone, Choir, and Orchestra. Violin Concerto in G minor. "Schön Ellen," Ballad for Soprano, Baritone, Choir, and Orchestra.
 8.15—"Lake Constance"—Sequence.
 9.0—News.
 9.30—See Hamburg.
 11.0-12.0 m.t.—Serenade (Records). Eine Faust—Ouverture (Wagner). Cello Concerto in A minor (Schumann). Rhapsody on Goethe's "Harzreise im Winter" (Brahms).

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW.
 Bremen, etc. See Sunday.
 Transmits at intervals from 5.10 a.m.
 11.0 a.m.—Bremen Stadtmusikanten and Male Voice Choir.
 12.5 p.m.—Topical.
 12.15—See Munich.
 1.0—News.
 1.15—Light Music.
 2.0—Shipping; Markets.
 2.25—Eve Schlee (Soprano), Jakschat (Bass-Baritone).
 2.50—Ice Report.
 3.0—Light Music. Dance Band.
 3.0—Women's Vocal Trio and Women's Choir. In the interval, Books.
 4.15—Variety.
 5.0—"Vun gresig Spöök un Rook in de Köök"—Dialect Sequence (Andersen). Station Orchestra, Conductor: Girnatis, Male Voice Quartet, Jakschat (Bass-Baritone), Tenne (Pfte.), and Speakers.
 5.45—Harbour Notes.
 6.0—News.
 6.10—Operetta Records. Overture, "The Lovely Galatea" (Suppé). Excerpts. "Eine Nacht in Venedig" (Strauss). Song, "Der Kellermeister" (Zeller): Musical Memories (Lehár). Song, "Derflinger" (Kollo). Excerpts, "Die Vielgeliebte" (Dostal).
 7.0—Topical.
 7.10—Haydn-Mozart—Station Orchestra. Conductor: Kruttge. Erdmann (Pfte.) and Huth (Horn). Horn Concerto in D (Haydn). Pfte. Concerto in C minor (Mozart).
 8.10—"The Silent Helpers of the Arts"—Peeps behind the Scenes of Opera, Concert, etc.
 9.0—News.
 9.30-11.0—Light and Dance Music.

HILVERSUM (No. 1)

(Holland)
 160 kc/s (1,875 m.); 10 kW until 2.40 p.m.; 150 kW from 2.40 p.m. Also on Lopikerkapel, 722 kc/s (415.4 m.); 17 kW.
 AVRO Programme.
 7.40 a.m.—Time; Records.
 9.40—Time; Service.
 9.55—Records.
 10.10—AVRO Orchestra, Conductor: Treep.
 10.40—Cookery Talk.
 11.10—AVRO Orchestra, Conductor: Treep. In the interval, Records.
 12.10 p.m.—Records.
 1.10—Kovacs Lajos Orchestra.
 1.40—AVRO Orchestra, Conductor: Treep. Zilverberg (Oboe).
 2.25—Dressmaking.
 3.25—Prins (Pfte.).
 4.10—Children's Choir, Conductor: Hamel.
 4.40—For Children.
 5.10—Concert.
 6.10—RVU Programme: Mlle Hans Gruys (Songs); Talks.
 6.40—For Children.
 6.45—AVRO Dance Band.
 7.10—English Lesson.
 7.40—Time; News; Records.
 8.10—"Tuesday Night Special"—Variety Concert, with Kovacs Lajos Orchestra, Clinge Doorenbos (Recitations), The Five Allotrias, Snip and Snap, Pierre

TUESDAY (January 4)

Palla (Organ), and Nina Dolce (Violin).
 9.55—Renova Quintet.
 10.40—News.
 10.50—AVRO Dance Band.
 11.20-11.40—Records.

HILVERSUM (No. 2)

(Holland)
 995 kc/s (301.5 m.); 15 kW until 6.10 p.m.; 60 kW from 6.10 p.m.
 7.40 a.m.-3.40 p.m.—KRO Programme.
 7.40-8.55—Records.
 9.40—Records.
 11.10—Religious Address; Announcements.
 11.55—KRO Orchestra. Conductor: Reinards; at 12.40-1.0 p.m.—Records.
 1.40—For Women.
 2.40—Dressmaking Lesson.
 3.40-4.40—HIRO Programme.
 3.40—KRO Melodists, Conductor: Lustenhouwer, Klein (Refrains).
 4.25—Records.
 4.40 till Close—KRO Programme.
 4.40—KRO Chamber Orchestra. Conductor: Reinards.
 5.25—Greetings.
 5.40-6.10—KRO Orchestra. Conductor: Reinards.
 6.15—Records; Esperanto Lesson; Announcements; Talks; News.
 7.55—Maastricht Municipal Orchestra. Conductor: Hermans. Oda Slobodskaya (Soprano), Noort (Tenor).
 9.40—Records.
 10.10—News.
 10.20—KRO Boys. Conductor: Lustenhouwer, Klein (Refrains); at 10.40-10.50—Records.
 11.10-11.40—Records.

KALUNDBORG (Denmark)

240 kc/s (1,250 m.); 60 kW.
 Relays Copenhagen, 1,176 kc/s (255.1 m.).
 Transmits at intervals from 6.0 a.m.
 11.0 a.m.-1.0 p.m.—Preil's Ensemble.
 1.30—Radio Orchestra, Conductor: Grøndahl. March, "Idomeneo" (Mozart). Overture, "King Stephen" (Beethoven). Waltz Suite (Schubert). Selection, "Der Freischütz" (Weber). Theme with Variations from the Emperor Quartet (Haydn). March (Dupuy). Prelude to "Snefrid" (Nielsen). Paraphrase on Czech Folk Themes (Nielsen). Selection, "The Rose of Stambul" (Fall). Humoresque (Reesen). Excerpts, "Kongen" (Halvorsen). Serenade (Levermann). Minuet (Paderewski). Danish Radio Tattoo (Klinkewort); at 2.20—Reading.
 3.30—For Children.
 3.50—Announcements.
 4.0—Talk: Joseph Lister.
 4.25—Weather; Exchange; Markets.
 4.50—Canzona Double Quartet.
 5.15—Talk: Old Amber.
 5.35—German Lesson.
 6.0—News.
 6.30—Talk: Sea Fishing.
 7.0—"Gracchus Babeuf"—Play (van der Linden).
 7.45—Klassen (Pfte.). Impromptu in B flat (Schubert). Pfte. Pieces (Sieg). Nachtstück (Suchsland). Toccatina (Heller).
 8.5—Talk: Technical Schools.
 8.20—Lecture-Recital: Johannes Ewald's Poems.
 9.0—News.
 9.20—Strauss Operetta Music—Radio Orchestra. Conductor: Tuxen. Excerpts, "Indigo," "Cagliostro in Wien," "The Queen's Kerchief."
 10.15—Preil's Dance Band and Rose Marie (Refrains); at 11.0—Chimes.
 11.30 p.m.-1.0 a.m. (Wednesday)—Odense Radio Club Ball—Larsen Dance Band.

KÖNIGSBERG (Heilsberg)

(Germany)
 1,031 kc/s (291 m.); 100 kW.
 Relayed by Danzig, 1,303 kc/s (230.2 m.).
 Transmits at intervals from 5.30 a.m.
 11.0 a.m.-1.0 p.m.—See Munich.
 1.0—News; Talk; Music.
 1.55—Exchange.
 2.30—Talk.
 2.40—Fairy-Tales and Songs.
 3.0—Station Orchestra.
 4.50—Ice Report.
 5.0—A Man, a Boat, and a Foreign Land—Sequence.
 5.15—Wood-Wind Music. Schlenger (Pfte.) and Members of the

Station Orchestra. Rondino (Beethoven). Sextet (Thuille).
 5.50—Local News.
 6.0—News.
 6.10—Peter Arco, Hans Hellhoff, and the Börschel Band.
 8.0—Topical.
 8.15—"Kerle!"—Sequence of Anecdotes, Ballads, etc.
 9.0—News.
 9.30—Political Press Review.
 9.35-11.0—Serenade—Station Orchestra. Conductor: Wilcken.

LEIPZIG (Germany)

785 kc/s (382.2 m.); 120 kW.
 Relayed by Dresden, 1,285 kc/s (233.5 m.).
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.-1.0 p.m.—See Munich.
 1.0—News; Exchange; Records.
 2.15—Talk.
 2.30—Humour.
 2.50—Science Talk.
 3.0—See Deutschlandsender; at 4.0-4.10—Markets.
 5.0—Talk.
 5.20—Sonata in D minor (Vogel) by Schertel (Cello) and Burgert (Pfte.).
 5.40—Reading.
 6.0—News.
 6.10—Three Centuries of Chamber Music.
 6.40—Talk: The Book Trade.
 7.0—"Voices of the Nations"—Spain in Literature and Music (arr. Laber). Leipzig Symphony Orchestra. Conductor: Laber. Charlotte Damen-Chao (Soprano), Radelow (Violin), Weltzmann (Pfte.), and Speakers. Iberia (Albéniz). Don Juan and Aminta (de Molina). Gipsy Dance (Christiansen). Por el río Guadalquivir from Sinfonia Sevillana (Turina). Agustina Zaragoza (Pfeifer). Reading: Der Cid (Herder). Spanish Dance for Violin and Pfte. (de Sarasate). Reading: "El Médico de su Honra" (Calderón). Velasquez im Escorial (Christoffel). Two Spanish Folk-Songs for Soprano and Pfte.: (a) Fifteenth Century Carol, (b) Layeta. Humorous Talk (de Tormes). Reading: "Don Quixote" (Cervantes). Two Spanish Dances (Granados). Four Songs (Mançín). The Bull Fight (Christiansen). Excerpts, "The Three-Cornered Hat" (Falla). Arriba España. Spanish Anthem.
 9.0—News.
 9.30-11.0—Fricke Dance Band.

LILLE (Radio PTT Nord)

(France)
 1,213 kc/s (247.3 m.); 60 kW.
 Transmits at intervals from 6.30 a.m.
 7.0 p.m.—Françoise Sayez (Violin).
 7.30—Radio Journal; Weather.
 8.0—Paulette Rousseau (Songs) and Firzel (Entertainer).
 8.30—Station Orchestra. Conductor: Soret. Renée Lepéze and Bakker (Songs), Le Meltour (Violin). Overture, "Manfred" (Schumann). Excerpts from Phryné (Saint-Saëns). Finale, The First Symphony (Mendelssohn). Suite miniature (Coppola). Songs. Violin: Introduction and Humoresque (d'Ambrosio). Overture, "Sicilian Vespers" (Verdi). Overture, "Les cloches de Corneville" (Planquette). Chanson d'amour (Caludi). Song d'extase (Chuckerbutty). Song, "The Count of Luxembourg" (Lehár). Song, The Tsarevitch (Lehár). Song, Waltzes from Vienna" (Strauss). Waltz Suite, "The Girl in the Taxi" (Gilbert). Selection, "Show Boat" (Kern). Carnival (Suppé). Fleurs (Mathé). Danse basque variée (Chaubert). After the Concert, News.

MONTE CENERI (Switzerland)

1,167 kc/s (257.1 m.); 15 kW.
 Transmits at intervals from 11.0 a.m.
 4.0 p.m.-5.0 p.m.—See Sottens.
 6.15—Records.
 6.45—News.
 7.0—Opera Records.
 7.15—For Farmers.
 7.30—Schlatter (Organ). Concerto (Walther). Three Choral Preludes (Bach): (a) Das alte Jahr vergangen ist, (b) Allein Gott in der Höh' sei Ehr!, (c) O Mensch, bewein dein' Sünde gross. Prelude and Fugue in F minor (Handel). Toccatina (Schlatter).
 8.0-9.0—To be announced.

TUESDAY (January 4)

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

MUNICH (Germany)
740 kc/s (405.4 m.); 100 kW.
Relayed by Nürnberg, 1,267 kc/s (236.8 m.).
Transmits at intervals from 5.0 a.m.
11.0 a.m.—Station Orchestra.
12.0 noon—News.
12.15 p.m.—Station Dance Band.
1.0—News; Exchange.
1.15—See Hamburg.
2.0-2.30—For Children.
3.0—Carola Farma (Soprano), Maria Neuss (Violin) and Käthe Heinemann (Pfte.).
3.40—Reading.
4.0—Time; Markets.
4.15—Boys' Choir and Soldiers' Chorus, Speakers, Military Band, etc.
5.15—Talk: Field-Marshal von Schlieffen.
5.25—Light Orchestral.
6.0—News.
6.10—"Die Räuber"—Play (Schiller).
8.0—Request Concert.
9.0—News.
9.20—To be announced.
9.30-11.0—See Hamburg.

NAPLES GROUP (Italy)
Naples, 1,104 kc/s (271.7 m.); 10 kW. Florence (No. 1), etc. See Sunday.
6.0 p.m.—Light Music.
6.15—News.
6.25—Pistoia Choir.
7.0—News; Talk.
7.30—Reading.
7.50—Eiar Band. In the interval, Talk.
9.0—Dance Music.
10.0—News.
10.15-10.55—Dance Music.

OSLO (Norway)
260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday.
Transmits at intervals from 9.30 a.m.
4.5 p.m.—Soloists and Records.
5.15—For Women.
5.45—News.
6.15—Talk.
6.30—The Melody Harmonists.
7.0—Talk.
7.30—Sketch.
7.55—Latvian Music—Station Orchestra, Conductor: Sprogis.
8.40—News.
9.0—Topical Talk.
9.15-10.0—Station Orchestra, Conductor: Kramm. Simonsen (Violin). Violin Concerto in G minor (Brahms). Norwegian Suite (Schjelderup).

PARIS (Eiffel Tower) (France)
1,456 kc/s (206 m.); 7 kW.
Transmits at intervals from 6.30 a.m.
8.0 p.m.—Elisabeth-Claire (Songs) and Mady Hardy (Pfte.). Aria, "Paris and Helen" (Gluck). Songs (Schubert). Three Etudes (Chopin). Songs (Lobort, Duparc).
8.30 (also Bordeaux-Lafayette, Lyons (PTT) and Montpellier (PTT))—Symphony Concert. National Orchestra. Conductor: Inghelbrecht. Lina Falk (Songs). Fifth Symphony (Mendelssohn). Four Songs (Doret). La fête de la bergère (Migot). Shylock (Fauré). Don Juan (R. Strauss).
10.30—Records.
10.0-11.15—News.

PARIS (Poste Parisien) (France)
959 kc/s (312.8 m.); 60 kW.
Transmits at intervals from 7.10 a.m.
12.0 noon—Exchange.
12.5 p.m.—Records: Dobbri Orchestra.
12.25—News; Exchange.
12.39—Records.
1.15—Amusements; Talk.
1.22—Records.
2.0—Exchange; News.
3.45 and 4.35—Exchange.
5.0—News; Records.
6.0—Exchange; News.
6.10—Religious Programme.
6.20—Records: Third Symphony with Organ (Saint-Saëns).
6.53—Literary Review.
6.58—Topical; Sports; Amusements.
7.13—Film Review.
7.40—Record.

7.45—Indo-China Ensemble.
8.0—Topical.
8.10—Georges de la Fouchardière and Clément Vautel.
8.15—Lyne Clevers.
8.30—Music.
8.45—"La bonne histoire."
8.55—News.
9.0-12.0 m't.—"The Assize Court Case"—Play (Diamant-Berger).

PARIS (PTT) (France)
695 kc/s (431.7 m.); 120 kW.
Transmits at intervals from 6.30 a.m.
5.0 p.m.—Blareau Orchestra. English Melodies (Haydn-Wood). Italian Melodies (Sibelius). Deception (Blareau-Muscat). Pot-pourri of Modern French Successes. Ta voix (Gland). Le moulin qui jazz (Bols).
5.45—Music Talk.
6.0—For Farmers.
6.15—For Workers; Talk.
6.30—Mme Bacquyrisse-Le Dentu (Harp). Improptu (Roussel). La fille aux cheveux de lin (Debussy). Féerie (Tournier).
6.45—Mona Pechenart (Songs). Ariettes oubliées (Debussy). Paysages belges (Debussy). La bonne chanson (Fauré). Sagesse (Canal).
7.0—Radio-Journal; News.
8.0—Mlle Tant Mieux and M. Tant Pis.
8.30—Two One-Act Opéras-bouffes: (a) "Les rendez-vous Strasbourgeois" (Cuvillier); (b) "La S.A.D.M.P." (Beydts); Libretto by Sacha Guitry. Conductor: Wolff.
10.30—Radio-Journal; News.
10.45—Tchaikovsky Records. Chanson triste. Chant sans paroles. Excerpts, "Aurora's Wedding". Pas de quatre.

PARIS (Radio-Paris) (France)
182 kc/s (1,648 m.); 80 kW.
6.28 a.m.—Programmes; Records.
6.40—News; Gym; Records.
7.15—News; Records.
8.0-9.20—News; Notes; Records.
10.15—Programmes; Records.
10.45—Reading; Records.
11.45—Markets.
12.0 noon—Jewish Talk.
12.20 p.m.—Light Music. Conductor: Giardino.
1.0—News; Exchange; Markets.
1.30—Buguet (Songs).
1.45—Light Music (contd.).
2.0—Programme Notes; Talks.
2.30—Markets.
2.45—Paulette Mayer (Pfte.).
3.0—Lucienne Gros (Songs).
3.15—Political Periodicals.
3.30—Talk: Folklore and Literature.
3.45—Exchange.
4.0—Monique d'Arvor (Songs).
4.15—René Hetzel (Songs).
4.30—English Lesson.
4.50—Exchange; Markets.
5.0—Locatelli Orchestra. Overture, "The Black Domino" (Auber). Moment sentimental (Bernard). Moment humoristique (Bernard). Moonlight on the Alster (Fetras). Still wie die Nacht (Böhm). Russian Songs (Delmas). Scènes pyrénéennes (Chauvet). Sarabande (Gounod).
6.0—Educational.
6.30—German Books; Talk.
6.58—Programmes; Educational.
7.30—Talk; Announcements.
8.0—Politics.
8.8—Foreign Affairs.
8.15—Chamber Music. Paris Instrumental Quintet, Mme Malnoy-Marsillac (Songs), Le Roy (Flute). Conversations galantes et amusantes (Guillemain). Songs (Lotti, Handel, Mozart). Voyage au pays du tendre (Pierné). Flute: (a) Syrinx (Debussy), (b) Danse de la chèvre (Honegger). Songs (Debussy, de Bréville, Aubert, Bordes). Suite en rocaille (Florent Schmitt).
9.15—News; Press Review.
9.30—"Adam the Creator"—Play in Seven Scenes (The Capek Brothers, trans. Winter) by the Art et Travail Players; at 10.30—News.
11.30—Programme Notes.

PRAGUE (Czechoslovakia)
638 kc/s (470.2 m.); 120 kW.
Transmits at intervals from 5.15 a.m.
4.30 p.m.—Children's Choir.
5.0—Markets.
5.10—German Transmission: Duets and Folk Songs.
5.45—News and Review (German).
6.0—News.
6.15—Records: Moravian Folk Songs.

6.40—Dancing Lesson.
7.10—Reading.
7.25—See Brno.
8.10—Poetry.
8.20—Pfte. Quintet in G minor (Suk), by Solc and the Ondrick Quartet.
8.55—Record.
9.0—News.
9.15—Records.
10.0-10.15—News (English).

RADIO-NORMANDIE (France)

1,113 kc/s (269.5 m.); 15 kW.
6.45 a.m.—Military Band.
7.0—Chansonnettes.
7.15—News; Press Review.
7.45—Physical Exercises.
8.0—Light Music.
8.15—Jane and John.
8.30—Dance Music.
8.45—Film Music.
9.0—Variety.
9.15—Light Music.
9.30—Popular Music.
9.45—Waltzes.
10.0—Light Music.
10.30—Popular Music.
10.45—Song Hits.
11.0—Light Music.
11.30—Chansonnettes.
12.0 noon—Concert.
12.45 p.m.—News.
1.0—Concert.
2.0—Variety.
2.30—Light Music.
2.45—Dance Records.
3.0—Oliver Kimball.
3.15—Toyland—Light Music.
3.30—Hill-Billy Music.
3.45—Variety.
4.0—Song Hits.
4.15—Light Music.
4.30—Popular Music.
5.0—Balalaika Orchestra.
5.15—For Children.
5.30—Light Music.
6.0—Children's Corner.
6.45—Talk; News; Racing.
7.0—Popular Music.
7.25—News.
7.45—Light Orchestral.
8.0—Excerpts, Three Waltzes (O. Strauss) with Yvonne Printemps.
8.20—Military Band Records.
8.40—Light Music.
9.0—"Le mot de Cambronne"—One-Act Comedy (Sach Guitry), with the Author, Marguerite Moreno, Pauline Carton, and Jacqueline Delubac.
9.45—"Le Médecin malgré lui" (Molière) by Artists of the Comédie Française.
10.30—Dance Music.
11.0—Café Concert.
11.55—News.
12.0 m't.—Midnight Melodies.
12.30-1.0 a.m. (Wednesday)—Dance Music.

RENNES-BRETAGNE (France)

1,040 kc/s (288.5 m.); 120 kW.
Transmits at intervals from 6.30 a.m.
6.30 p.m.—Grieg Music—Station Orchestra. Conductor: Henderick.
7.0—Radio Journal; Weather.
7.30—Light Music from Limoges (PTT).
8.0—News; Records.
8.30—"Jean de la Fontaine"—Literary Sequence with Francine Vasse and Company, from Nantes.
9.0—Concert by the Nantes Philharmonic Union.
9.30—"Philhar"—Variety presented by Riou with the Philharmonic Union.
10.30 (approx.)—News; Records.

ROME GROUP (Italy)

Rome (No. 1), 713 kc/s (420.8 m.); 50 kW. Bari (No. 1), etc. See Sunday.
Transmits at intervals from 6.45 a.m.
4.15 p.m.—Maria Pediconi (Soprano) and Barbara Giurrana (Pfte.).
4.50—Weather; Morse.
5.45—Medical Talk.
6.30—Light Orchestral. Conductor: Filippini.
7.0—News; Talk.
7.30—Light Music.
8.0 till Close Down—From the Opera.
8.0—"La Monacella della Fontana" (Mule) with Gilda Alfano and Giovanni Malipiero.
8.45—"Fedora" (Giordano), with Giuseppina Cobelli, Liana Cortini and Gigli. In the intervals, Topical; Notes; News.

SOTTENS (Switzerland)

677 kc/s (443.1 m.); 100 kW.
Relayed by Geneva, 401 kc/s (743 m.).
11.30 a.m.-12.45 p.m.—News; Records.
4.0—Radio Suisse romande Orches-

tra. Conductor: Haug. Overture, "Semiramide" (Rossini). Valse triste (Sibelius). Selection, "La Bohème" (Puccini). Petite suite (Bizet). Dances from Galanta (Kodály).
5.0—Talk.
5.15—Radio Suisse romande Orchestra.
6.0—Sketches.
6.10—What History teaches us.
6.20—Medical Talk.
6.30—Music.
6.50—News.
7.0—"Les Affaires sont les Affaires"—Three-Act Play (Mirbeau) by the Compagnie des Deux-Masques.
9.0-10.0—Mozart Concert. Radio Suisse romande Orchestra. Conductor: Haug. Funeral March. Divertimento, Contredanse. Symphony in A.

STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW.
Motala, etc. See Sunday.
Transmits at intervals from 6.20 a.m.
5.0 p.m.—Records.
6.0—News.
6.30—Radio Orchestra, Conductor: Grevillius. Ruthström (Violin). Overture, "Der Freischütz" (Weber). Violin Concerto in D minor (Brahms). The Nutcracker Suite (Tchaikovsky).
7.30—Report.
8.10—Cabaret on Records.
8.45—News.
9.0-10.0—Waldimir Orchestra. Overture, "Nakiris Hochzeit" (Lincke). Waltz, Roses from the South (Strauss). Träumerei (Schumann). Selection, "La Bohème" (Puccini). Salut d'amour (Elgar). Swedish Sketch (Petre). Potpourri (arr. Carlsson).

STRASBOURG (France)

859 kc/s (349.2 m.); 100 kW.
Transmits at intervals from 6.30 a.m.
6.30 p.m.—See Rennes-Bretagne.
7.0—Radio Journal.
7.30—Light Music from Limoges (PTT).
8.0—News (German).
8.30—Light Orchestral. Conductor: de Villers. Grégoire (Violin). Suite, Music-Hall (Biancheri). Violin and Orchestra: Suite tzigane (Wormser). Echos d'Alsace (Barth).
9.30—See Rennes-Bretagne.
10.30—News.
10.45—News (German).

STUTTGART (Germany)

574 kc/s (522.6 m.); 100 kW.
Transmits at intervals from 5.0 a.m.
11.0 a.m.—Concert.
12.0 noon—News.
12.15 p.m.—Concert (contd.).
1.0-2.0—Records: Light Music.
3.0—Station Orchestra.
4.0—Talk: Photography.
4.15—Military Band.
5.0—For Parents.
5.30—Topical; at 6.0—News.
6.15—Records.
7.0—"Round the World"—Variety with Records.
7.55—Talk on the Handel Cycle.
8.0—Handel Cycle—I—"Neu-Augustusburg, 1696." Station Choir and Orchestra. Conductor: Zimmermann. Emma Mayer (Contralto), Matthéi (Tenor), Willy Buss, Menz (Harpischord), Stannvoll (Viola d'amore), v. Beckerath (Viola da gamba), Fischer (Oboe), Maria Holz (Harp). Rothweiler (Organ), and Ade (Harpischord).
9.0—News.
9.15—Political Press Review.
9.30—Records: Dance and Light Music.
11.0-12.0 m't.—See Frankfurt.

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW.
Transmits at intervals from 8.0 a.m.
6.0 p.m.—Rumbas; Songs.
6.40—Operetta Music. Excerpts, "Frederica" (Lehár), "Acqua cheta" (Pietri), "Dance of the Dragonflies" (Lehár), "Excelsior" (Marenco).
6.55—News; Sports.
7.0—Light Music.
7.22—Salon Orchestra. Foxtrot (Mihaly). Zululand (Walrence). Roses of the South (Strauss).
7.40—Light Music.
7.55—Variety Item.
8.0—Film Music.
8.30—Salon Orchestra. Excerpts, "Cavalleria rusticana" (Mascagni). Songs my Mother taught me (Dvorák). I love you very much, Madame (Bond). Solveig's Song (Grieg). Träumerei (Schumann). The Arrow (Kneass).
8.45—Soldier Songs.
9.10—Talk.

9.15—Maurice Saint-Paul (Accordion).
10.0—News.
10.15—English Concert.
11.15—Excerpts, "Louise" (Charpentier).
11.35—Light Music.
11.50-12.0 m't.—News.

TURIN GROUP (Italy)

Turin (No. 1), 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday.
Transmits at intervals from 6.45 a.m.
4.0 p.m.—News.
4.15-4.50—Cavanna (Pfte.).
5.45-7.0—See Rome.
7.0—News; Talk.
7.30—Light Music.
7.40 Rome (No. 2 only)—News and Talk in English.
8.0—"Judge Bertrand's Cases"—One-Act Play (Datri).
8.40 (approx.)—Concert. Conductor: Tansini. Ranzato (Cello). In the interval, Talk.
10.0—News.
10.15-10.55—Dance Music.

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW.
Graz, etc. See Sunday.
Transmits at intervals from 5.45 a.m.
11.0 a.m.—Chimes; Records.
12.0 noon—News; Records.
1.0 p.m.—Records.
1.30—Announcements.
2.0—Weather; Exchange; Markets.
2.15—Vienna Children's Mandoline Band.
2.40—For Women.
3.0—News; Station Band.
4.0—Handwork; Books.
4.35—Hanny Schmitt (Soprano). Songs (Schubert): (a) Das Heimweh, (b) Frühlingsschnehschnee, (c) Aufföngung. Songs (Brahms): (a) Dein blaues Auge, (b) Ich muss hinaus, (c) Meine Liebe ist grün. Songs (Bodo Wolf): (a) So komme, was da kommen mag, (b) Die Welt ist drunten eingeschlafen, (c) Totenstille liegt die Stadt, (d) Wir haben ins Aug' uns gesehen. Songs (Wetchny): (a) Am Scheidewege, (b) Blüten, (c) Herbstbeginn, (d) Grillen im Dunkel.
5.5—Reading with Records.
5.30—French Lesson.
5.50—Astronomy.
6.0—News; Weather.
6.10—Talk: The Trades Union in 1937.
6.40—Operetta Music. Station Orchestra, Conductor: Holzer. Lya Beyer (Soprano).
7.40—Ballad Competition Results.
8.15—Reading.
8.40—"Pusztá Adventure"—One-Act Play (Mestrozzi and Ring).
9.10—News; Announcements.
9.20—Talk (Czech): Sunny Winter in Austria.
9.30—"Radetzky Marches"—Pfeifer Wind Band. Lacy March (Sebek). Erzhertzog Carl March (arr. Kaiser). Schwarzenberg March (Kaschke). March, Baillet de Latour (Titl). Kriegsmänöver (Fahrbrach). Abschied von Padua (Knoff). Sigmunds Kriegsklänge (Zaverdal).
9.55—Announcements.
10.0-10.30—Wind Band (contd.). March, Santa Lucia (arr. Kaiser). March, Kopalläger (Holzinger). March, Mazuchelli (Kéler-Béla). Sonna campagna (Tischler). Radetzky March (Strauss). Concordia March (Tomann). Novarra—Siegesmarsch (Dont). Radetzky Trauermarsch (Leonhardt). Vater Radetzky ruft (Lehár).
WARSAW (Poland)
224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday.
Transmits at intervals from 5.15 a.m.
2.45 p.m. (from Lwów)—For Children.
3.5—Financial and Economic Notes.
3.15 (from Poznan)—Quintet in B flat (Rimsky-Korsakov).
3.50—Talks.
4.15—Katowice Mandoline Band. Conductor: Korczak.
4.50 (from Wilno)—Talk.
5.0—Sports; Letter-box; Programmes.
5.35—For Farmers.
6.0 (from Lwów)—Literary Programme.
6.30 (from Katowice)—Polish Choral Music.
6.50—Topical Talk.
7.0 (from Cracow)—Sequence with Music. Polish Dances.
7.45—News; Topical.
8.0 (from Wilno)—Popular Concert.
8.0—Dance Music—Station Orchestra. Conductor: Górzynski; and the Radio Four.
9.50-10.0—News; Press Review.

W 2 X A F.
9-50 K.C.

Jan. 5 WEDNESDAY

NATIONAL

For Time Signals, see Monday.
 10.15 a.m. (D)—Service.
 10.30 (D)—Weather Forecast.
 10.45—Cinema Organ.
 11.15—"Nohatus, King of Scots," by Ann Scott Moncrieff.
 11.30—"The Viani Sextet."
 12.15 p.m.—BBC Welsh Orchestra: Wilfred Thomas (Baritone).
 1.15—Records.
 1.45—Geoffrey Dams (Tenor); Tom Bromley (Pte.).
 2.15—Light Orchestra.
 3.0—BBC Northern Orchestra.
 3.45—"Mistress and Maid;" Mrs. Emelie Waller.
 4.0—Evensong from St. Paul's Cathedral. 4.50—Records.
 5.0—"Friends in Harmony."
 5.40—Records.
 6.0—"The First News."
 6.20—"Farming To-day;" talk.
 6.40—BBC Military Band: Margaret Balfour (Contralto).
 7.30—"Crabbed Age and Youth;" a duologue—J. D. Beresford and J. Glyn Jones.
 7.45—BBC Orchestra (Section D), conducted by Georg Schneevogt; Cyril Smith (Pfte.).
 9.0—"The Third News."
 9.20—A. J. Alan tells the story of "A Talk in the Train."
 9.35—High Lights.
 10.15—"For the Elizabethan Home;" Herbert Heyner (Baritone); Margaret Hodsdon (Virginals).
 10.40—BBC Theatre Orchestra.
 11.15—Victor Silvester's Ballroom Orchestra. 11.30-12.0—Swing Records.

REGIONAL

For Time Signals, see Monday.
 10.15-10.45 a.m. (ex. Western: Welsh 10.30)—National.
 10.15 (Welsh)—Welsh Service.
 10.45 (ex. Western)—Records.
 10.45 (Western)—National.
 11.30 (ex. Western)—Cinema Orchestra. 12.30 p.m.—Records.
 1.0 (ex. Western, Scottish)—A Trip to the Caledonian Market.
 1.0 (Scottish)—Scottish Cookery.
 1.15 (ex. Western)—"Round the London Organs;" St. Paul's Cathedral. 2.0—Quintet.
 2.30 (ex. Western)—Records.
 3.0 (ex. Western)—Orchestra.
 3.40 (ex. Western)—Pfte. Recital.
 4.0 (ex. Western)—Redruth Town Band: Eric Goldie (Baritone).
 5.0 (ex. Western)—The Children's Hour.
 5.0 (Western)—National.
 6.0 (ex. Midland)—Cinema Organ.
 6.0 (Midland)—Light Orchestra.
 6.20 (Regional, Western, Scottish)—BBC Scottish Orchestra.
 6.20 (Northern)—Mossley Vocal Society: Joseph Greene (Pfte.).
 6.20 (Welsh)—Welsh talk.
 6.30 (N. Ireland)—Pfte. and Cello recital.
 6.40 (Midland)—Pfte. music.
 6.40 (Welsh)—Programme by new artists.
 7.0—"The Second News."
 7.20—Regional Announcements.
 7.30 (ex. Midland, Welsh, N. Ireland), Two-Ring Circus.
 7.30 (Midland)—Male Voice Choir.
 7.30 (Welsh)—Welsh News.
 7.30 (N. Ireland)—Records.
 7.40 (Welsh)—Welsh reading.
 7.40 (N. Ireland)—"As I See It;" George C. Nash.
 7.55 (ex. Western)—The Band Wagon.
 8.0 (Western)—Excerpt from "Cinderella."
 8.40 (Regional, Midland, Western)—"Theatre Royal Cheltenham," 1782-1839.
 8.40 (Northern)—New Year Entertainment from Blackpool.
 8.40 (Welsh)—"Y Flwyddyn A Fu."
 8.40 (N. Ireland)—"If... Castle-reagh had not been a Statesman;" H. Montgomery Hyde, D.Litt.
 8.40 (Scottish)—Gaelic talk.
 8.55 (N. Ireland)—Organ.
 8.55 (Scottish)—Excerpt from "Cinderella."
 9.20 (Regional, Western, N. Ireland)—Norina Semino (Cello); John Pauer (Pfte.).
 9.20 (Midland)—BBC Midland Orchestra, conducted by Leslie Heward.
 9.30 (Northern)—String Players.
 9.30 (Welsh)—Cello music.
 9.30 (Scottish)—Ice Hockey.
 9.45 (Welsh)—Talk by Welsh Regional Music Director.
 10.0—News Summary.
 10.25 (ex. Western; Midland, Scottish 10.45)—Victor Silvester and his Ballroom Orchestra.
 10.25 (Midland)—Reading.
 10.30 (Scottish)—Evening Worship.
 11.30 (ex. Western)—Records.
 11.50-12.0 (ex. Western)—Late News Summary.

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 100 kW.
 Dublin, etc. See Sunday.
 1.30-3.0 p.m.—Records.
 5.30—"Prince Wiggle of Kotaran"—Play for Young People (Roberts).
 6.0—Rothwell (Organ) from Monkstown Parish Church.
 6.35—Irish News Feature.
 6.45—News.
 7.0—Frances Allison and Philip Warde (Song Duets).
 7.30—Debate in Irish by Paddy Gallagher and Liam O'Connell: The Miracle of Templecroone.
 7.50—Irish Radio Orchestra.
 8.25—Programme from an Alcohol Factory, Louth. Compère: Capt. J. F. Lucy.
 9.0—"Sinbad the Sailor"—Pantomime from the Queen's Theatre, Dublin.
 9.30—Variety.
 10.30—News.
 11.0—National Anthem.

BARCELONA (EAJI)

(Spain)
 795 kc/s (377.4 m.); 7.5 kW.
 Transmits at intervals from 8.0 a.m. 9.0 p.m.—Time; News; Records.
 9.30—A Play.
 11.0-12.0 m.t.—News in Foreign Languages.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW.
 Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Stuttgart.
 1.0 p.m.—News.
 1.15—Glahe Band.
 2.15-3.0—Exchange; Music.
 3.30—Talk: The Sky in 1938.
 3.50—Book Review.
 4.0—String Quartet in C (Mozart).
 4.30—Report; Records.
 6.0—News.
 6.10—"The Krepela Sextet."
 6.45—Evening Echoes.
 7.0—Instrumental Cabaret.
 8.0—Popular Orchestral.
 9.0—News.
 9.30-11.0—Music from Breslau.

BEROMÜNSTER

(Switzerland)
 556 kc/s (539.6 m.); 100 kW.
 Relayed by Basle and Berne, 1,375 kc/s (218.2 m.).
 5.30-5.50 a.m.—Gym.
 11.0—Light Orchestral.
 11.29—Time; News.
 11.40 a.m.-12.45 p.m.—Zürich Radio Orchestra.
 3.0—For Women.
 3.25—Records: Don Juan and Faust in Music.
 4.0—Orchestral Records.
 4.10—Viennese Waltzes by Lederer (Tenor).
 4.30—Orchestral Records.
 4.45—Lecture-Recital: Swiss Composers—Pestalozzi.
 5.0—For Children.
 5.30 till Close.—From Basle.
 5.30—Accordion Records.
 5.50—Nature Talk in Dialect.
 6.0—Announcements; Records.
 6.30—Interview.
 6.45—News; Talk.
 7.15—Lecture-Recital: Italian Violin Composers—1650-1750.
 8.0—"Spring."
 8.45—English Suite in D minor (Bach), by Müller (Harpischord).
 9.15—Tourist Report.
 9.25-9.30—News; Programmes.

BRATISLAVA

(Czechoslovakia)
 1,004 kc/s (298.8 m.); 13.5 kW.
 Transmits at intervals from 5.15 a.m. 5.0 p.m.—Hungarian Transmission: Talk; Liszt Pfte. Music by Maria Platt; Sports Notes.
 5.45-8.10—See Prague.
 8.10—Reading.
 8.15—See Prague.
 8.35—Sonata in B minor (Bach) by Beza (Flute) and Macudzinski (Pfte.).
 8.55-9.15—See Prague.
 9.15-10.0—News (Hungarian); Records.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW.
 Relayed by Gleiwitz and Görlitz, 1,231 kc/s (243.7 m.).
 Transmits at intervals from 4.30 a.m. 11.0 a.m. (from Görlitz)—Bunzlau Municipal Orchestra, Conductor: Arndt; at 12.0 noon—News.
 1.0-2.0 p.m.—Records: Light Music.
 3.0—Station Orchestra, Conductor: Weisshaupt. Rothensee (Baritone). Knauer (Cello). Overture, "Maritana" (Wallace). Minuet in D (Mozart). Der Wanderer (Schubert). Landsknechte am Lagerfeuer (Lautenschläger). Romance for Cello and Orchestra

(Gebhardt). Chinese Legend (Schulenburg). Die Forelle (Schubert). Excerpts, "Mam'zelle Nitouche" (Hervé). Waltz, O Frühling wie bist du so schön (Lincke). Overture "Elverhøj" (Kuhlau). Odins Meeresritt (Loewe). Lyric Suite (Tchaikovsky). Lagunen-Walzer (Strauss). Seenade (Schubert). Czardas (Michiels); at 4.0-4.10—Book Review.
 5.0—Book Review.
 5.20—Poems (Habraschka).
 5.35—A Story (Rakette).
 5.50—Programme Notes; Markets.
 6.0—News.
 6.10—"The Unvarnished Truth"—Sequence, with the Schneider Dance Band, Speakers, etc.
 7.40—Talk: The Sudetic Germans.
 8.0—Motto.
 8.10—Sound News.
 8.25—Old Dance Music—Schneider Band.
 9.0—News.
 9.20—Talk: The 1938 Gymnastics Festival in Breslau.
 9.30-11.0 (from Görlitz)—Light and Dance Music. Schneider Band, etc.

BRNO (Czechoslovakia)
 922 kc/s (325.4 m.); 32 kW.
 Transmits at intervals from 5.15 a.m. 5.15 p.m.—News; Books.
 5.35—For Workers.
 5.45-10.0—See Prague.

BRUSSELS (No. 1)

(Belgium)
 620 kc/s (483.9 m.); 15 kW.
 6.30-9.5 a.m.—Gym; Records; News.
 12.0 noon—Records: Light Music.
 12.30 p.m.—Weather; Shipping.
 12.33—Grieg Music. Max Alexys Orchestra. Grieg Potpourri (arr. Urbach). Excerpts, "Peer Gynt." Norwegian Dance.
 1.0—News.
 1.10—French Operetta Music. Max Alexys Orchestra. Overture, "La Fille de Madame Angot" (Lecocq). Offenbach Potpourri (arr. Conradi). March on Themes from "La Fille de Madame Angot" (Lecocq).
 1.30—Variety Records.
 2.0—Art Notes.
 2.3-3.15—For Schools.
 4.55—News.
 5.0—Candrix Band.
 6.0—Brussels Cello Quartet and Tilkin-Servais (Baritone). "Grave and Vivace (Corelli-Darcy). Songs (Monteverdi, Carissimi, Scarlatti, Caldara, Handel). Albumblätter (Schumann-Darcy). Songs (Faure, Duparc). Brumes (De Meester).
 6.30—Protestant Address.
 6.45—Quartet (Darcy) by the Brussels Cello Quartet.
 7.0—Reviews: (a) For Ex-Servicemen, (b) Periodicals, (c) Economics.
 7.15—Records: Light Music.
 7.30—News.
 8.0—Records: Symphony in B flat (Joh. Chr. Bach).
 8.10—Belgian Music from the 13th to the 15th Century—The "Pro Musica Antiqua" Society. Conductor: Roger Bragard. Leis l'Ornelle (Anon., 13th Century). O rosa bella (Ciconia). Pour l'amour de ma douce amy (Duray). Se ne prenez de moy pitie (de Lantins). Ma maitresse (Ockeghem). Votre allée me desplaint tant (Binchois). Se bien fait (Obrecht). Tota pulchra est (de Lantins).
 8.45—"Auccasin et Nicolette"—Twelfth Century Tale (French Version by Bovy). Music by Brenta, Radio Orchestra. Conductor: Gason, Lucienne Tragin (Soprano), Jeanne Thys (Contralto), Anspach (Tenor), Crabbé (Baritone) and Speakers.
 10.0—News.
 10.10—Record: Polka (Weinberger).
 10.15—Talk: Dialect Literature.
 10.25-11.0—Brenders Dance Band.

BRUSSELS (No. 2)

(Belgium)
 932 kc/s (321.9 m.); 15 kW.
 Programme in Flemish.
 6.30-9.5 a.m.—Gym; Records; News.
 12.0 noon—Song Records.
 12.31 p.m.—Light Orchestral; at 1.0-1.10—News; Shipping.
 1.30-2.0—Records: Film Music.
 4.40—News.
 4.45—Talk: The League of Nations.
 5.0—Orchestra, Conductor: Walpot.
 5.30—For Children.
 6.30—Records: Light Music.
 6.45—Talk: Chess.
 7.0—Flemish Composers—D'Haeyer Songs by Mille Callewaert.
 7.30—Tourist Report.

8.0—I.N.R. Orchestra and Choir, Conductors: Defauw and Gras. Mina Bolotine (Songs), Durllet (Pfte.). Overture, "King Lear" (Berlioz). Morgengruss for Contralto, Women's Choir, and Orchestra (Schubert). Pfte. Concerto in G minor (Mendelssohn).
 8.45—Henry Van de Velde.
 9.0—Orchestra, etc. (contd.). Rhapsody for Contralto, Male Voice Choir and Orchestra (Brahms). Eighth Symphony (Beethoven).
 9.40—Records: Chamber Sonata (Pierné) by the Composer (Pfte.). Moyses (Flute) and Lopez (Cello).
 10.0—News; Poems (Gezelle).
 10.30-11.0—Records: Light Music.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW.
 Relayed by Radio-Romania, 160 kc/s (1,875 m.).
 Transmits at intervals from 4.30 a.m. 4.0 p.m.—Time; Weather.
 4.2—Records: Oratorios.
 5.0—Reading.
 5.15—Wind Quintet (Beethoven).
 5.45—Talk.
 6.5—Sacred Music from the Protestant Church. Stadelmann (Organ), Jianu (Flute) and Zelinsky (Oboe). Organ Fantasia in G minor (Bach). Sonata in C minor for Flute, Oboe and Organ (Loeillet). Organ Prelude and Fugue in G minor (Bach).
 6.40—Sonata in A (Beethoven) by Filionesco (Pfte.) and Theodoresco (Violin).
 7.30—Act III, "Parsifal" (Wagner) (Recorded). Orchestra and Choir of the Berlin Opera. Conductor: Muck.
 8.30—News; Sports Notes.
 8.45—News (French, German).

BUDAPEST (No. 1)

(Hungary)
 546 kc/s (549.5 m.); 120 kW.
 Transmits at intervals from 5.45 a.m. 11.5 a.m.—Station Orchestra; at 11.30—News.
 12.30 p.m.—Lily Barsanyi (Pfte.) and Friss (Cello).
 1.40—News.
 3.15—For Students.
 4.0—Talk by Gyula Papai.
 4.30—Records.
 5.10—Talk by Maria Barde.
 5.40—Sándor Bura Cigány Band.
 7.20—Act II, "Khovanschina" (Mussorgsky), from the Royal Hungarian Opera; at 7.55 and 8.40—News.
 10.0—News (French, Italian).
 10.10—Kalmár Jazz Band.
 11.5—News.

BUDAPEST (No. 2)

(Hungary)
 359.5 kc/s (834.5 m.); 18 kW.
 5.30 p.m.—Act I, "Khovanschina" (Mussorgsky).
 7.10—News.
 7.35—Programme by Students.
 8.30—Military Band.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW.
 Transmits at intervals from 5.0 a.m. 11.0 a.m.—Orchestra from Unna.
 12.0 noon—News; Greetings.
 12.15 p.m.—See Stuttgart.
 1.0—News.
 1.15—Dances by Grete Heukeshoven (Violin), Kuchem' (Cello), and Rummel (Pfte.).
 2.0-2.30—For Children.
 2.45—Economic Notes.
 3.0—Talk: Genealogy.
 3.30—Station Orchestra and Solo Voices—Conductor: Eysoldt.
 5.0—Topical Talk.
 5.50—Snapshot.
 6.0—News.
 6.10—Old Music by the Krefeld Collegium-Musicum, Conductor: Baum.
 7.0—For Ex-Servicemen.
 7.30-11.0—Dance Music from the Hotel Dreesen, Bad Godesberg. Hagedast Dance Band, Melitta Wittenbecher (Soprano), Hartung (Tenor), Engel (Xylophone and Marimba); at 9.0—News.

DEUTSCHLANDSENDER

(Germany)
 191 kc/s (1,571 m.); 60 kW.
 Transmits at intervals from 5.0 a.m. 11.0 a.m.—Band from Danzig.
 12.50 p.m.—News.
 1.0—Variety—Jäger Band and Records.
 1.15—Song Records; at 2.30—Programmes.
 2.45—Talk: Art Pottery Making as a Career for Women.

3.0—Busch Band; at 4.0-4.10—A Story (Meckel).
 5.0—Sichr reads; Records.
 5.40—Talk: Sport Records.
 6.0—Motto; News.
 6.10—Kaufmann Band, etc.
 7.0—Ludwig Tügel reads: Introductory Talk by Herbert Leise-gang.
 7.15—Fourth Symphony (Tchaikovsky) by the Station Orchestra, Conductor: Böhm.
 8.0—Topical Talk.
 8.15—Station Orchestra, Conductor: Böhm. Stech (Pfte.). Ballet Overture (Blacher). Pfte. Concerto in A (Mozart). Waltz, "Der Rosenkavalier" (Strauss).
 9.0—News.
 9.30-9.45—String Quartet in E minor (Wiemann) by the Fehse Quartet.
 10.0-11.0—Music from Frankfurt.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW.
 Cassel, etc. See Sunday.
 Transmits at intervals from 5.0 a.m. 11.0 a.m.—Bands, Choirs, Tenor.
 12.0 noon—Time; News.
 12.15 p.m.—See Stuttgart.
 1.0—News.
 1.10—Opera Records.
 2.0—Industrial Notes.
 2.15-2.45—A Story (Wiegand).
 3.0—Loewe Ballads by Erich Meyer-Stephan (Baritone).
 3.30—Light Orchestral.
 5.0—Topical Talks.
 6.0—Time; News.
 6.10—Station Orchestras, Conductors: Moritz and Hauck; Jessyka Koettrik (Contralto), de Vries (Tenor), Wolf (Baritone). Overture, "Rienzi" (Wagner). Aria, "The Mastersingers" (Wagner). Aria, "Der Evangelimann" (Kienzl). Intermezzo, "Manon Lescaut" (Puccini). Excerpts, "Carmen" (Bizet), "Der Wildschütz" (Lortzing) and "The Merry Wives of Windsor" (Nicolai). Prelude, "The Land of Smiles" (Lehár). Song, "Clivia" (Dostal). Märchenwalzer (Lühr). 's Röserei vom Wörthersee (Kotschak). Fantasia on the Hindu Song (Rinsky-Korsakov). Wo die alten Linden stehn (Richardt). Waltz, "Ritter Pasman" (Strauss). Russian Rhapsody on Themes from "Prince Igor" (Borodin). Song, "Frederica" (Lehár). Serenade pittoresque (Graener). Isabella (Lincke). March (Rizner).
 8.15—Good-night Cabaret for the Sleepless—Marga Maier and Paula Becker-Stauffert (Sopranos), Hertel (Tenor), Speakers, etc.
 9.0—Time; News.
 9.20—Comrade, where are you?
 9.30—Light and Dance Music.
 11.0-12.0 m.t.—See Stuttgart.

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW.
 Bremen, etc. See Sunday.
 Transmits at intervals from 5.10 a.m. 11.0 a.m.—Bands.
 12.0 noon—Topical.
 12.15 p.m.—See Stuttgart.
 1.0—News.
 1.15—Music.
 2.0—Shipping.
 2.15—Markets.
 2.25—Handel Records.
 2.50—Ice Report.
 3.0—Scarpa Band from the Alster Pavilion and the Ragotzky Band from the Hotel Atlantik. Talk in the interval.
 5.0—Talk: Field-Marshal von Schlieffen.
 5.15—Variations on a Theme of Paganini (Brahms) by Ahrens (Pfte.).
 5.40—Talk: The Nation's Food.
 5.50—Weather; Shipping.
 6.0—News.
 6.10—See Frankfurt.
 8.0—"Spuk auf Tasten"—Musical Instruments Come to Life, a Midnight Experience in the Studio described by Hans Wilhelm Kulenkampf, to the music of Organ, Piano, Harpsichord, Celesta—and Typewriter.
 9.0—News.
 9.30-11.0—See Frankfurt.

HILVERSUM (No. 1)

(Holland)
 160 kc/s (1,875 m.); 10 kW until 2.40 p.m.; 150 kW from 2.40 p.m. Also on Lopikerkapel, 722 kc/s (415.4 m.); 17 kW.
 VARA Programme.
 7.40 a.m.—Records.
 9.10—Talk.

WEDNESDAY (January 5)

9.40—VPRO Service.
9.50—Feinland Violin and 'Cello Duo; Talk.
11.10—For the Unemployed.
11.40—Records.
12.10 p.m.—VARA Orchestra, Conductor: de Groot.
12.55—1.25—Records.
1.40—Dressmaking Lesson.
2.10—For Women.
2.40—For Children.
5.10—Concert by the "Fantasia," Conductor: Walis.
6.15—Report.
6.40—Songs.
7.10—VPRO Talk.
7.40—News.
7.55—VARA Orchestra, Conductor: de Groot, Gradmann (Songs).
8.40—Dramatic Programme.
9.15—Records.
9.40—News.
9.45—The Ramblers, Conductor: Masman.
10.10—Records.
10.25—Steyn Accordion Band.
10.55—Records.
11.10—11.40—Jong (Organ).

HILVERSUM (No. 2) (Holland)
995 kc/s (301.5 m.); 15 kW until 6.10 p.m.; 60 kW from 6.10 p.m.
NCRV Programme.
7.40 a.m.—Bible Reading; Meditation; Records; Sacred Music.
8.10—Records; at 9.10—Greetings.
10.10—Service.
10.40—Records.
10.55—Van der Horst Ensemble; at 11.40—News; Records.
1.10—Records.
1.40—Gray (Organ).
2.40—Reading.
3.10—v. d. Lek (Oboe), Clemens (Flute).
4.25—Greetings; For Young People.
5.25—Records.
5.35—Talks; Announcements; Report.
7.40—News.
7.55—Arnhem Orchestra. Conductor: Spaanderhan, Mlle Engelenburg (Pfte.); at 8.40—Talk; and at 9.40—News.
10.10—Records.
10.25—Gym; Records.
10.40—11.40—Records; Bible Reading.

KALUNDBORG (Denmark)
240 kc/s (1,250 m.); 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.).
Transmits at intervals from 6.0 a.m.
11.0 a.m.—1.0 p.m.—Unemployed Musicians' Orchestra.
1.45—Edi Laider (Carl Haste Songs).
2.0—Peterson Orchestra.
3.30—For Children.
3.50—Wireless Notes.
4.0—Talk.
4.25—Weather.
4.40—Exchange; Markets.
4.50—Records.
5.15—Talk: Martin du Gard, a Nobel Prize-winner.
5.35—French Lessons.
6.0—Time; News.
6.30—For Farmers.
7.0—Dialogue.
7.10—Danish Ballet Music. Radio Orchestra. Conductor: Grondahl. Jagten (Gade). Hildas Drom (Hartmann). Dance of the Fairies (Gade). Prelude to Act II, "A Folk Tale" (Hartmann). Bridal Waltz (Gade). Tarantella (Paulli). Galopp (Lumbye). Polonaise, "The Little Mermaid" (Henriques). Two Dances, "Petrol" (Rissager). Malaguena. Bolero and Jota, "Gaucho" (Reesen).
7.50—Talk: Catullus, Horace and Ovid.
8.20—Radio Orchestra, Conductor: Grondahl. Botschinsky (Bassoon). Overture, "Fidelio" (Beethoven). Bassoon Concerto in B flat (Mozart). Overture, "William Shakespeare" (Kuhlau).
9.0—News; Weather.
9.20—10.15—Scandinavian Music. Radio Orchestra, Conductor: Grondahl. Romantic Overture: (Glass). Norwegian Fairy Tale Pictures (Halvorsen). Pan and Syrinx (Grondahl). Scherzo (Ek). Karelia Suite (Sibelius).

KÖNIGSBERG (Heilsberg) (Germany)
1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.).
Transmits at intervals from 5.0 a.m.
11.0 a.m.—See Stuttgart; at 12.0 noon—News.
1.0 p.m.—News; Talk; Music.
1.55—2.0—Exchange.

2.30—Practical Hints.
2.40—Talk by Girls.
3.0—Börschel Band; at 3.50—Talk: Riding.
4.50—Ice Report.
5.0—Topical Talk.
5.15—Salzburger Passacaglia for Twelve Instruments (Meyer) by Members of the Station Orchestra. Conductor: Brückner.
5.30—A Play for Boys (Irene Herr).
5.50—Local News.
6.0—News.
6.10—Marches—Station Orchestra, Conductor: Brückner, Military Band, Conductor: Gareis.
8.10—"Men of Learning and Men of Action"—Sequence (Dr. Paul Laven).
9.0—News.
9.20—Reading.
9.35—11.0—Records: Light and Dance Music.

LEIPZIG (Germany)
785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.).
Transmits at intervals from 5.0 a.m.
11.0 a.m.—Band.
12.0 noon—Time; News.
12.15 p.m.—See Stuttgart.
1.0—News; Opera Records.
2.0—Talk: Hildburghausen.
2.20—As Radio Tenor through Four Continents—Talk by Erich Wagner, with Records.
2.50—Report: Household Helps.
3.0—See Deutschlandsender; at 4.0—4.10—Time; Industrial News; Notes.
5.0—"Schnorck"—A Story (Damm).
5.20—Music.
5.30—Talk: German Baroque.
5.50—Ski-ing Reports.
6.0—News.
6.10—"Das Kuhländchen"—Songs and Dances.
6.45—"La Boutique Fantasque"—Ballet (Rossini-Respighi), Leipzig Symphony Orchestra, Conductor: Weber, with Ponto, Wengefeld, Martina Otto, etc.
7.45 (from Dresden)—"Der letzte Preusse"—Tragedy (Lauckner).
9.0—News.
9.30—11.0—Light and Dance Music from Breslau.

LILLE (Radio PTT Nord) (France)
1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.30 a.m.
5.45 p.m.—Brasserie Concert, Conductor: Meitour. Selection, "No, No Nanette" (Youmans). Moonlight on the Alster (Fétras). Dancing Moon (Aubry). Andante from the Spanish Symphony (Lalo). Sérénade lointaine (Filippucci). L'Heure exquise (Hahn). Nuits algériennes (Grehg).
6.30—Educational.
7.0—For Gardeners.
7.10—Talk in English.
7.25—Records.
7.30—Radio Journal.
8.0—"Le Père Jean paye son Terme"—Play (Villers-Daude-lin).
8.30 (also Toulouse (PTT) and Limoges (PTT))—From the Duet to the Septet—National Orchestra, Conductor: Rosenthal. Excerpts from "The Barber of Seville" (Rossini), "Le Roi d'Ys" (Lalo), "Ciboulette" (Hahn), "Manon" (Massenet), "William Tell" (Rossini), "Rigoletto" (Verdi), "Ta Bouche" (Yvain), "Carmen" (Bizet), "Lucia di Lammermoor" (Donizetti), and "Les Huguenots" (Meyerbeer). After the Concert, News.

MONTE CENERI (Switzerland)
1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 11.0 a.m.
4.0—5.0 p.m.—See Beromünster.
6.15—Fashion Talk; Records.
6.45—News.
7.0—St. Cecilia Choir from Bellinzona. Conductor: Tosi. Carol (Malfetti). Ninna nanna (Veneziani). Carol (Grifoni). Mariä Wiegenlied (Reger). Carol (Adam). The Magi (Burgmein).
7.30—"Il Prezzo della Vittoria"—Play (Bonzanigo).
8.15—9.0—Oblach (Cello), Toccata (Frescobaldi-Cassado). Sonata in E (Francoeur). Sonata in A (Beethoven). Nocturne (Chopin-Piatigorsky). Rondo (Weber-Piatigorsky). Gavotte sentimentale (Hillemecher). Chanson Villageoise (Popper).

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

MUNICH (Germany)
740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.).
Transmits at intervals from 5.0 a.m.
11.0 a.m.—Light Classical Records.
12.0 noon—News.
12.15 p.m.—Station Orchestra.
1.0—News; Exchange.
1.15—Music from Stuttgart.
2.0—2.20—"Der Jahresspiegel"—Songs and Poems.
3.0—Hanna Sanda (Soprano), Klein (Violin), Reichel-Pacic (Cello), and Müller (Pfte.). Songs (Schillings, Strauss). Hast du von den Fischerkindern (Pitzner). Pfte. Deutsche Reigen (Schmid). Songs (Wolf, Debussy). Trio Fantasia (Kanetscheider); Talk.
4.0—Weather; Markets.
4.15—Variety, with the Schneider Band, etc. In the interval, Weekly Review.
5.45—Talk.
6.0—Time; News.
6.10—Old and New Marches.
7.10—"Mir fanga jetzt mit Sang und Klang das neue Jahr guat an!"—Variety in Dialect. The Tobi Reiser Ensemble, the Salmer-Bauer Folk-Song Duo, the Traunstein Vocal Ensemble, etc.
8.0—Excerpts, "Frithjof" (Max Bruch) for the Centenary of the Composer's Birth. Station Orchestra and Choir; Munich Singakademie Choir, Hann (Tenor), and Henny Wolf (Soprano). Introductory Talk by Ludwig Schrott.
9.0—Time; News; Interlude.
9.30—11.0—See Frankfurt.

NAPLES GROUP (Italy)
Naples, 1,104 kc/s (271.7 m.); 10 kW. Florence (No. 1), etc. See Sunday.
6.0 p.m.—Light Music and Songs.
6.15—Topical.
6.25—Mabellini Choir.
7.0—Time; News.
7.20—Government Notes.
7.30—Enrico Pierangeli (Violin). Minuet (Mozart). Capriccio (Paganini). Waltz (Brahms). Sicilienne and Rigaudon (Francoeur).
8.35—Potpourri of Old Songs.
9.10—Dance Music.
10.0—News.
10.15—10.55—Dance Music.

OSLO (Norway)
260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday.
Transmits at intervals from 9.30 a.m.
4.5 p.m.—Balchen Orchestra.
5.0—Talk.
5.15—For Boys.
5.45—News.
6.15—For Farmers.
6.25—Käthe Lövsøth (Songs) and Balchen (Cello).
7.0—Talk.
7.30—Station Orchestra. Conductor: Fjeldstad. Overture, "Zampa" (Hérold). Humoresque (Dvořák). Peer Gynt Suites (Grieg). Schön Rosmarin (Kreislter). Caucasian Sketches (Ippolitov-Ivanov).
8.40—Weather; News.
9.0—Topical Talk.
9.15—Bridge Lesson.
9.35—10.30—Dance Records.

PARIS (Eiffel Tower) (France)
1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 6.30 a.m.
7.30 p.m.—Radio Journal; Time.
8.0—Paulette Mayer (Pfte.) and Lovano (Songs).
8.30 (also Lyons (PTT), Bordeaux-Lafayette, Montpellier (PTT))—"Le Chemineau"—Five-Act Play (Richepin) from the Odéon.
10.30—Records.
11.0—11.15—News.

PARIS (Poste Parisien) (France)
959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m.
12.0 noon—Exchange.
12.5 p.m.—Records: Renard Orchestra.
12.25—News; Exchange.
12.39—Records; Songs.
1.15—Amusements; Records.
1.50—Film Review.
2.0—Exchange; News.
3.45 and 4.35—Exchange.

5.0—News.
5.5—Records: Schcherazade (Rimsky-Korsakov).
6.0—Exchange; News.
6.10—Jewish Programme.
6.20—Records.
6.45—Aeronautics.
6.50—Talk; Racing.
7.0—Topical; Sports.
7.10—Detective's Four Minutes.
7.14—Amusement Guide.
7.16—Records of Charles and Johnny.
7.45—Operetta Records. Excerpts, "Un Soir de Réveillon" (Moretti), "Phi-Phi" (Christiné-Willemet).
8.0—Topical.
8.10—Reda Caire's Song of Songs.
8.15—Music.
8.45—Talk.
9.0—News.
9.10—Max Regnier and Company.
9.55—News; Records.
10.30—11.0—Shéhérazade Cabaret.

PARIS (PTT) (France)
695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.30 a.m.
2.30 p.m.—Concert for the Blind. In the interval, "Le neuveu d'Arpagon"—Sketch (Léry).
4.0—Reading (Colette); Talk.
4.30—Romanette Music by Mignan (Pfte.), Schwartz (Violin) and Marthe Bailloux (Songs). Violin and Pfte.: Appassionato. Song: Sérénade. Pfte.: Evanescente.
4.45—Topical; Science Talk.
5.0—Marcelle Samson (Songs).
5.15—Lucienne Noblet (Poems).
5.30—Travel Talk.
5.45—Medical Talk.
6.0—Educational.
6.30—Bazelaire and Lévy (Cellos). Louis Bazelaire at the Pfte. Concerto (Handel). Andante and Scherzo (Rabaud). Sonata (Boccherini).
7.0—Radio Journal; News.
8.0—"Au Café du Commerce"—Sketch (Schwaibel), with the Author.
8.30—To be announced.
10.30—Radio Journal; News.
10.45—Records: Light Music.
11.0—U.S.A. Bulletin.

PARIS (Radio-Paris) (France)
182 kc/s (1,648 m.); 80 kW.
6.28 a.m.—Programmes; Records.
6.40—News; Gym; Records.
7.15—News; Records.
8.0—9.20—News; Notes; Records.
10.15—Programmes; Records.
10.45—Reading (Mille); Records.
11.45—Markets.
12.0 noon—Garde Républicaine Band. Conductor: Dupont.
1.0 p.m.—Time; News; Exchange.
1.30—Germaine Corney (Songs).
1.45—Band (contd.).
2.0—Programmes; Music Talk by Wanda Landowska; Talks.
2.30—Exchange; Markets.
2.45—Nocturne et divertissement (Mariotte) by Mme. Ruff-Longgray (Pfte.).
3.0—Mlle. Bachillat (Songs).
3.15—Science Talk.
3.35—The Humorous Press.
3.45—Exchange; Markets.
4.0—Maryse Tenneval (Songs).
4.15—Renée Staenberg (Pfte.).
4.30—Book Review.
4.50—Exchange; Markets.
5.0—Bailly Orchestra.
6.0—Educational.
6.30—Talk: Vincent d'Indy.
6.58—Programme Trailer.
7.30—Literary Talks.
7.59—Time; Political Review.
8.8—Foreign Affairs.
8.15—For Young People.
8.30—St. Cecilia Choir. Conductor: Mlle. Turin. Auvergne (Canteloube). Les rois mages (Gevaert). Je m'en vas, chantant, riant (Ropartz). Folk Song, Chanson bachique. Laudate (Florent Schmitt). Folk Song, Mon amy Tanguy. Margot (Fleury). Chaine de bourrées (Canteloube). Itzaya (Pzandizaga). Excerpt, "The Flight into Egypt" (Guignard).
9.0—Radio Variety—Love Songs for Old and Young (arr. Merlin) with Villabella, Adrienne, Gallon, Chefper, Lumière, etc.; at 9.30—News and Review by Di-voire.
10.30—Records. Clair de lune (Lully). Sérénade de l'amant jaloux (Grétry). Sérénade passionnée (Sileu). Still wie die Nacht (Böhm).
10.45—Time; News.
11.0—Programme Notes.

PRAGUE (Czechoslovakia)
638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.15 a.m.
5.5 p.m.—German Transmission: Talk; For Workers.
5.45—News in German.
5.55—Record.
6.0—Time; News; Talk.
6.20—Local News.
6.25—"Princess Dandelion"—Play (Kvapil), produced by the Author.
7.50—Krizkovsky Recital by the Prague Teachers' Vocal Ensemble. Conductor: Dolezil.
8.10—Reading.
8.15—Foerster and Novak Songs by the Prague Teachers' Vocal Ensemble.
8.35—Variations in D minor (Mendelssohn) by Polivka (Pfte.).
8.55—Record.
9.0—Time; News.
9.15—English Lesson.
9.35—Records.
10.0—10.15—News in French.

RADIO-NORMANDIE (France)
1,113 kc/s (269.5 m.); 15 kW.
6.45 a.m.—Military Band.
7.0—Chansonnettes.
7.15—News; Press Review.
7.45—Physical Exercises.
8.0—Music in the Morning.
8.15—Dance Music.
8.30—Musical Barometer.
8.45—Songs—Fred Hartley Orchestra.
9.0—Songs.
9.15—Light Music.
9.45—Popular Music.
10.0—Light Music.
10.15—Film Music.
10.30—Scottish Music.
10.45—Cinema Organ.
11.0—Light Music.
11.30—Popular Music.
12.0 noon—Concert.
12.45 p.m.—News.
1.0—Concert.
2.0—Fred Hartley's Sextet.
2.15—Light Music.
2.30—Dance Records.
3.0—Variety.
3.15—Gracie Fields Songs.
3.30—Morton Downey (Songs).
3.45—Accordion Music.
4.0—Popular Tunes.
4.15—Variety.
4.45—Banjo and Guitar Music.
5.0—Favourite Tunes.
5.30—Light Orchestral.
5.45—Popular Music.
6.45—Talk; News; Racing.
7.0—Light Music.
7.25—News.
7.45—Violin Solos.
8.0—Variety.
8.20—Excerpts, Mademoiselle Mozart (Walberg-François), with Danielle Darrieux and Pierre Mingand.
8.40—Records of Fernandel and Andrex.
9.0—Excerpts, César (Marcel Pagnol), with Raimu, Charpin, Dul-lac, Mourries, Delmont, and Fouche.
9.45—Jean Lambert Records.
10.0—Odette Moulin Records.
10.30—Jazz Music.
11.0—Café Concert.
11.45—News.
12.0 m't.—Midnight Melodies.
12.30—1.0 a.m. (Thursday)—Dance Music.

RENNES-BRETAGNE (France)
1,040 kc/s (288.5 m.); 120 kW. Transmits at intervals from 6.30 a.m.
6.45 p.m.—News in English.
7.0—Radio Journal.
7.30—Dance Music by the Radio-Jazz Nantais, from Nantes.
8.0—News; Programme Notes; Records.
8.10—For Farmers.
8.30—Orchestra and Mixed Choirs. Conductor: Henderick. Overture, "Anacreon" (Cherubini). Choir: (a) Elegiac Song (Beethoven), (b) Psalm 150 (Franck), (c) Hallelujah Chorus from "The Messiah" (Handel). Petite Suite (Büsser). O-lo-lè (Breton Folk Song, arr. Henderick). Choir and Orchestra: Le Pardon de Rumengol (Larmanjat). Four Sketches (Gaubert): (a) Extase, (b) Voiles blanches, au crépus-cule, (c) Une chasse... au loin, (d) La-bas, très loin, sur la mer. Prelude, "Thamara" (Bourgault-Ducoudray). Choirs and Orchestra: (a) Nocturne (Ropartz), (b) Canadian Suite (Champagne). Fête polonaise (Chabrier). After the Concert, News.

ROME GROUP (Italy)

Rome (No. 1), 713 kc/s (420.8 m.); 50 kW. Bari (No. 1), etc. See Sunday. Transmits at intervals from 6.45 a.m. 4.0 p.m.—News. 4.15-4.50—Granchi (Violin). 6.30—For Motorists. 6.30—Light Music. 7.0—Time; News. 7.20—Government Notes. 7.30—Light Music. 8.0—Symphony Concert. Conductor: Alceo Toni. Toccata and Pastorale (Pasquini). Symphony in C—L'Ours (Haydn). Suite, I Paladini di Francia (Pratella). Overture No. 3 (Toni). Talk in the interval. 9.15—Light Music. Conductor: Mancini. 10.0—News. 10.15-10.50—Dance Music.

SOTTENS (Switzerland)

677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.). 11.30 a.m.—News. 12.0 noon-12.45 p.m.—A Film. 4.0-5.0—See Beromünster. 5.0 till Close—From Geneva. 5.0—For Young People. 5.50—Art Talk; Interlude. 6.15—Micro-Magazine. 6.50—News; Weather. 7.0—Sasselli Orchestra. 7.35—Radio Film (Gerval-Penay). 8.15—Swiss Music. Orlova Choir, Conductor: Maroussia Orloff. Flore Wend (Soprano), and an Accordion Band. 8.45—Accordion Band. 9.5-10.0—Classical Records. Suite (Bach). Seventeenth Century Dirges: (a) Motet (Schütz), (b) Cantata, Les justes sont enlevés avant le malheur (Krieger). Harpsichord Concerto in D (Haydn), with Wanda Landowska.

STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday. Transmits at intervals from 6.20 a.m. 5.0 p.m.—Records. 6.0—News. 6.30—Old Dance Music by Westerland's Orchestra.

7.5—Man and Woman—Discussion between Ebba Theorin-Kolare and Nils Bohman. 8.5—Bellman Rhapsody. Olle Nygren, the Station Choir, and the Septiman Orchestra. Conductor: Sköld. 8.50—Weather. 9.0-10.0—Dance Music.

STRASBOURG (France)

859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m. 5.15 p.m.—Strasbourg Pfte. Trio. Sonata in G minor for Violin and Pfte. (Tartini). Trio (Chausson). 6.0—Economic and Social Notes. 6.30—Music. 7.0—Radio Journal. 7.30—See Rennes-Bretagne. 8.0—News in German. 8.15—News.



Szigeti, who plays with the Orchestra at Strasbourg, at 8.30 p.m.

8.30—Municipal Orchestra from the Palais des Fêtes. Conductor: Munch. Szigeti (Violin). Overture, "Figaro" (Mozart). Violin Concerto in D (Mozart). Eighth Symphony (Bruckner). 10.30—News. 10.45—News in German.

STUTTART (Germany)

574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Station Orchestra. 12.0 noon—Time; News.

12.15 p.m.—Stuttgart Folk Music Ensemble, the Radio Love Birds, Althoff (Guitar), etc.

1.0-2.0—The Melo Trio, Berg (Violin), Kuhnsäuser (Zither), Grete Hild (Soprano). 3.0—Records with Commentary. 5.0—Talk: German Aviation. 5.30—Topical Talks. 6.0—News. 6.15—"Rund um Kesselfleisch, Blut-und Leberwurst"—Dialect Variety (arr. Ebert, Hoeger, and Mast). 7.0—"Die rote Kuh"—Baden Folk-Songs and Tales (arr. Weis). 8.0—Alsatian Composers. The Grossmann String Quartet, and Bassoon. Quartet in C (Blasius). Pfte. and Violin Sonata (Hüllmantel). Quartet for Bassoon, Violin, Viola, and Cello (Blasius). 9.0—Time; News. 9.30—Light and Dance Music from Karlsruhe. Baden Provincial Orchestra, Hollinger Dance Band, Lindner (Accordion), Kögele (Songs to the Lute), and the Karlsruhe Schrammel Ensemble. 11.0-12.0 m't.—Serenade. Part I, Light German Music. Station Orchestra, Conductor: Bara. Overture, Artistenleben (Löhr). Liebes-traum (Bochmann). Excerpts, "Die Frau im Spiegel" (Meisel). Part II, Records. Concert dans le goût théâtral (Couperin), by the Wiesbaden Collegium musicum. Double Concerto for Orchestra (Handel) by the Berlin Philharmonic.

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.0 a.m. 6.0 p.m.—Tangos; Chansonnettes. 6.40—Film Music. 6.55—News; Sports. 7.15—Light Music. 7.45—Opereita Airs, "Au Soleil de Marseille" (Sellers), "Trois de la marine" (Scott), "Malvin" (Hahn), "Les joies du Capitole" (Moretti), "The Daughter of the Regiment" (Donizetti). 8.10—Talk.

WEDNESDAY (January 5)

8.20—Revue with Roméo Carlès and Pierre Ferrari. 9.0—Ray Ventura and his Collegians. 9.30—Military Marches. 10.0—News. 10.15—English Concert. 11.15—"Gangsters et mauvais Garçons"—Fantasy. 11.35—Light Music. 11.50-12.0 m't.—News.

TURIN GROUP (Italy)

Turin (No. 1), 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday. Transmits at intervals from 6.45 a.m. 4.0 p.m.—News. 4.15-4.50—Songs. 6.20—For Motorists. 6.30—Light Music. 7.0—Time; News. 7.20—Government Notes. 7.30—Light Music. 7.40 Rome (No. 2 only)—News in English. 8.0—"Khovanshchina" (Mussorgsky-Rimsky-Korsakov), from the Teatro Carlo Felice, Genoa. In the intervals, Talk; News.

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday. Transmits at intervals from 5.45 a.m. 2.35 p.m.—Talk: The International Table-Tennis Tournament in Austria. 2.45—Talk: Winter Scenes. 3.0—News; Exchange; Records. 3.55—Art Notes. 4.10—Contemporary Austrian Composers—Otto Siegl Concert. Helene Vierthaler (Mezzo-Soprano), Borri (Violin), Gruber (Viola), Margit Sturm (Pfte.). Romance and Ländler Airs for Violin and Pfte. Songs. Trio for Violin, Viola, and Pfte. 5.0—Economic Talk. 5.20—Talk: Ski-ing in the Vorarlberg. 5.40—Talk: Politics in 1937. 6.0—Time; News; Weather. 6.10—Snow Report.

6.25—"Khovanshchina"—(Mussorgsky-Rimsky-Korsakov). Vienna Symphony Orchestra, Vienna State Opera Choir, Conductor: Auderieth. In the interval, Talk on the Opera. 9.10—News; Programme Notes; Announcements. 9.20—Talk in Italian: Winter in Austria. 9.30—Station Dance Band; at 9.55—Announcements.

WARSAW (Poland)

224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday. Transmits at intervals from 5.0 a.m. 3.15 p.m.—Station Orchestra. Conductor: Nawrot. March, The Star Spangled Banner (Souza). Waltz, "Eva" (Lehár). Overture, "Der Opernball" (Heuberger). Spanish Suite, La Feria (Lacombe). March (Lewandowski). 3.50—Talks. 4.15—Rossner (Violin). Violin Concerto in C (Vivaldi-Kreisler). Suite (Sinding). Romance (Zarzycki). 4.50—Talk; Sports; Records. 5.30—Programmes; For Farmers. 6.0—Reading (Andrzej). 6.20—Lecture-Recital: Melodies of India. 6.35—Dialogue. 7.0—Song Records. 7.45—News; Topical Talk. 8.0 (from Turin)—Chopin Music by M. Wilkomirski (Pfte.) and K. Wilkomirski (Cello). Introduction and Polonaise in C. Fantasia on Themes from Meyerbeer's "Robert le diable." Sonata in G minor. 8.45—Poems. 9.0—Cracow Schrammel Quartet. Im Prater blühn wieder Bäume (Stolz). In einem kleinen Café in Hernalz (Stolz-Benatzky). Two Songs (Eysler). Two Songs, "Lilac Time" (Schubert-Berte). Intermezzo (Granihasteden). Polka (Odracek). Wien wird bei Nacht erst schön (Stolz). Piece (Jascha). Der lustige Schmied (Kroemer). 9.50-10.0—News.

NATIONAL

For Time Signals, see Monday. 10.15 a.m. (D)—Service. 10.30 (D)—Weather Forecast. 10.45—"At Home Today." 11.5—Records. 11.50—Alfred Van Dam and his State Orchestra. 12.30 p.m.—"At the Black Dog." 1.0—Records. 1.15—BBC Midland Orchestra conducted by Leslie Heward. 2.15—Records. 2.50—Empire Exchange. 3.15—Bournemouth Municipal Orchestra: Moiseiwitsh (Solo Pfte.). 4.45—"The New Year in Paris: " Monsieur A. Simon-Girard. 5.0—Joe Kaye and his Dance Band. 5.40—The Welbeck Quartet. 6.0—The First News. 6.20—BBC Empire Orchestra. 7.0—Reginald Foort (BBC Theatre Organ). 7.30—"For the Elizabethan Home: " Margaret Field-Hyde (Soprano); Diana Poulton (Lute); Lucille Wallace (Harpsichord). 8.0—Rhythm Express. 8.45—Spain: "Background to the Civil War"—W. J. Entwistle. 9.0—The Third News. 9.20—Brahms's Sonata in F minor: Frank Merrick (Pfte.). 10.0—Mid-Week Service. 10.20—Hit Tunes of 1937. 11.0—Jack Jackson and his Band. 11.30-12.0—Dance Records.

REGIONAL

For Time Signals, see Monday. 10.15-10.45 a.m. (ex. Western)—National. 10.45—Cinema Organ. 10.45 (Western)—National. 11.15 (ex. Western)—Gipsy Orchestra. 11.45 (ex. Northern, Western)—Part Songs. 11.45 (Northern)—Ballad Concert. 12.15 p.m. (ex. Western)—BBC Northern Ireland Orchestra: David Richardson (Bass). 1.15 (ex. Western)—Short Story. 1.35 (ex. Western)—Records. 2.15 (ex. Western)—Light Classical Concert. 3.0 (ex. Western)—Royal Marines Band. 3.30 (Scottish)—Mid-Week Service.

4.0 (ex. Western)—Light Orchestra. 4.30 (ex. Western)—To-morrow's Songs. 5.0—The Children's Hour. 6.0 (Regional, Scottish)—Records. 6.0 (Midland)—Theatre Orchestra. 6.0 (Northern)—Cinema Organ. 6.0 (Western)—Arthur Marston (Organ). 6.0 (Welsh)—Ioan Dwyryd (Penillion); Telynores Dwyryd (Harp). 6.0 (N. Ireland)—Humorous Reading from W. S. Gilbert's "Bab Ballads." 6.10 (N. Ireland)—Hymn Recital. 6.30 (ex. Midland, Western, Scottish)—"Songs Without Words." 6.30 (Western)—For Young Farmers. 6.30 (Scottish)—For Farmers. 6.40 (Midland)—For Farmers. 6.45 (Western)—Pfte. Recital. 6.50 (Scottish)—Gavin Biagi (Accordion). 7.0—The Second News. 7.20—Regional Announcements. 7.30 (ex. Midland, Northern, Welsh)—Excerpt from "Puss in Boots." 7.30 (Midland)—"Melodies from the Comedies." 7.30 (Northern)—Brief Variety. 7.30 (Welsh)—Welsh News. 7.45 (Welsh)—Cyril James Ball (Organ). 7.45 (Northern)—Clyde Twelvetrees (Cello). 8.0 (Regional, Western, N. Ireland)—BBC Orchestra, conducted by Clarence Raybould. 8.0 (Midland)—"Nottinghamshire: " Geoffrey Bounphrey. 8.0 (Scottish)—Gaelic Programme. 8.15 (Northern)—Hymns of Praise. 8.20 (Welsh)—Welsh discussion: "Ai Gwr O Sentiment Ydyw'r Cymro?" 8.20 (Midland)—Arthur Catferall (Violin). 8.30 (Scottish)—"Rab the Rhymer." 8.45 (ex. Western)—Huntley Wright in "The Geisha." 8.45 (Western)—"Escape," a play by John Galsworthy. 10.0—News Summary. 10.25 (ex. Western)—Jack Jackson and his Band. 11.30 (ex. Western)—Records. 11.50-12.0 (ex. Western)—Late News Summary.

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 100 kW. Dublin, etc. See Sunday. 1.30-3.0 p.m.—Records. 5.30—The Journey of the Three Kings—Play for Children (Gheon). 6.15—Musical Comedy (Records). 6.35—Irish News Feature. 6.45—News. 7.0—Eleanor Reddy (Violin). 7.20—"The Fourth Wise Man"—An Epiphany Mystery Play (An Pilibin). 7.45—A Little Christmas Party with the Irish Radio Orchestra, and Sam Mooney (Songs), presented by Fay Sargent. 8.40—Epiphany Service from the Church of St. John the Baptist, Blackrock, Dublin. Agnes Boylan (Organ). 9.10—Maighread Ní Cheallaigh in Christmased Gaelic Songs. 9.30—Variety. 10.30—News. 11.0—National Anthem.

BARCELONA (EAJ1) (Spain)

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

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—1.0 p.m.—See Frankfurt; at 12.0 noon—Midday Echoes. 1.0—News. 1.15—Krepela Sextet. 2.15-3.0—Exchange; Records. 3.30—Ernst Leibl—Sequence. 4.0—Old Love Songs and Dances. Harp: (a) Gavotte (Zipol), (b) Allemande (Kirchhoff). Baritone and Harp: Minnelieder (arr. Einar Oje): (a) Der Falke, (b) Die zwei Rosen, (c) Der Mörsler. Cello and Harp: Minuet (d'Hervelois). Minnelieder: (a) Aus der Ferne, (b) Dance Song. Dances for Flute, Cello and Harp (Rameau). 4.30—January Programmes of the Kurmark Theatres.

Jan. 6 THURSDAY

5.0—Records: Light Music. Excerpts, "Tiefland" (d'Albert). "Sylvia" (Delibes), "La Traviata" (Verdi). Freut euch des Lebens (Strauss). Frühlingstrauschen (Sinding). Overture, "Pique Dame" (Suppé). Song, "Zauber der Bohème" (Stolz). Bells across the Meadow (Ketelbey). Melodies, "Eva" (Lehár). 6.0—News. 6.10—The Heathcocks' Song. 6.45—Evening Echoes. 7.0—Dance Music—Station Orchestra. Conductor: Willy Steiner, and the Glähe Band. 9.0—News; Sports. 9.30-11.0—See Stuttgart.

BEROMÜNSTER (Switzerland)

556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.). 5.30-5.50 a.m.—Gym. 11.0 (from Berne)—Records: Ballads and Legends. 11.29—News; Exchange; Records. 12.45 p.m.—Time. 3.0—For Invalids. 3.30—Song Records. 3.50—Time. 4.0-5.0—See Sottens. 5.0—Weather; Records. 5.30—For Young People. 6.0—Time; Traffic Notes. 6.10—Records; For Farmers. 6.45—News. 6.55—Swiss Radio Orchestra. Guest Conductor: Schuricht of Berlin. 8.15—Alexander Castell reads. 8.40—Programme from the Börse, Zürich. 9.25—Announcements.

BRATISLAVA (Czechoslovakia)

1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 5.45 a.m. 5.0 p.m.—Hungarian Transmission: Literary Review; "The Kings of Cologne"—Play (Kovacs).

5.45—Record. 5.50-6.10—See Prague. 6.10—Military Band from Kosice. 6.45—Economic Notes. 7.0-9.15—See Prague. 9.15—News in Hungarian. 9.30-10.0—Records.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz and Görlitz, 1,231 kc/s (243.7 m.). Transmits at intervals from 4.30 a.m. 11.0 a.m.—Station Orchestra. Conductor: Weisshaupt. Hattwig and Noack-Ihlenfeld (Pftes.). 12.0 noon—News. 12.15 p.m.—Orchestra, Pftes (cont.). 1.0—News; Exchange. 1.15-2.0—See Berlin. 3.0—Light Music—Görlitz Station Orchestra, and Saf Band. 5.0—Charlotte Stuedtner-Mlody (Soprano), Marion Herlein (Harp) and Kranke (Violin). Prelude and Fugue in E flat (Büttner). Songs: (a) Abendlied (Rischa), (b) An die Schönheit (Wetzfel). Harp: Prelude (Tanmer). Wiegenlieder (Schubert, Wetzfel). 5.30 (from Gleiwitz)—Topical. 5.50—Announcements. 6.0—News. 6.10—Classical Music—Station Orchestra. Conductor: Prade. Dance Suite (Rameau). Symphony in E flat (J. C. Bach). Viennese Dances (Beethoven). Rondo from the Haffner Serenade (Mozart). Contredanse (Mozart). Two Marches (Mozart). Excerpts from the Symphony, Il distratto (Haydn). Finale from the Turkish Suite (Haydn). Turkish March (Beethoven). Overture, "Der Teufel als Hydraulicus" (Schubert). 7.40 (from Gleiwitz)—"Schächte und Schlotte"—Sequence (Boberski); Music by Skorra. 9.0—News. 9.15—Topical. 9.30-10.30—See Stuttgart.

THURSDAY (January 6)

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW.
Transmits at intervals from 5.45 a.m.
1.55 p.m.—Talk on the following
Opera.
2.0—"La Traviata" (Verdi), from
the National Theatre. Conductor:
Tausky.
4.35—German Transmission:
Talks; Twelfth Night Music by
the German Choral Society of
Dolní-Dunajovice. Folk-Songs.
"Twelfth Night"—Cantata for
Soprano, Flute and Harpsichord
(Telemann).
5.50-6.10—See Prague.
6.10—Christmas Week in Bulgaria
—Sequence with Songs.
6.45-9.20—See Prague.
9.20-10.20—"Silvio Pellico, la
arestio de Spilberk" (The
Prisoner of Spilberk)—Play in
Esperanto (Habrina). Music by
Suchy.

BRUSSELS (No. 1)

(Belgium)

620 kc/s (483.9 m.); 15 kW.
6.30-9.2 a.m.—Records; News;
Gym.
12.0 noon—Records.
12.30 p.m.—Weather; Shipping.
12.40 (approx.)—Salon Orchestra.
1.0—News; Records.
2.0—Art Notes.
4.5—News.
5.0—Music Lesson by Mme
Broisky-Pels.
5.30—For Children.
6.0—Literary Talk.
6.15—Salon Orchestra. Conductor:
Féron.
7.0—For Workers.
7.15—Records: Old Airs.
7.30—News.
8.0—I.N.R. Symphony Orchestra
Conductor: Dejoncker.
8.30—"The Storm"—Play
(Ostrovski), adapted by Mme
Mostkova-Lambiot.
9.25—I.N.R. Symphony Orchestra.
Conductor: Dejoncker.
10.0—News.
10.10-11.0—Concert of Old Music.
"Pro Musicali Arte" Choir.
Conductor: Roger Bragard.
de Liever (Organ). Psalms hugue-
nots (Goudimel). Organ and
Voice: (a) Prelude, (b) Gloria,
(c) Magnificat—Je ny scaurons
chanter ne jire (Gasconne).
J'ay cause de my contenter
(Sohier). Hau, Hau, ie boys (de
Sermisy). Mignonne, allons voir
si la rose (Costeley). Pieces
(Jannequin): (a) Ce moy de
may, (b) Nature ornant la dame,
(c) Au joly ieu du pousse avant.
De Venus, le fils Cupidon (Le-
jeune). Vous me tuez si douce-
ment (Mauduit).

BRUSSELS (No. 2)

(Belgium)

932 kc/s (321.9 m.); 15 kW.
Programme in Flemish.
6.30-9.5 a.m.—Records; News;
Gym.
12.0 noon—Records.
12.31 p.m.—Borgers (Songs).
12.40—Radio Orchestra. Conductor:
Douliez; at 1.0-1.10—News;
Shipping.
1.30-2.0—Borgers (Songs); Re-
cords.
4.55—News.
5.0—Brenders Dance Band.
5.45—For Children.
6.30—Records; An Interview.
7.0—K.V.R.O. Notes; Film Re-
view.
7.3—Talk: Our Priest Poets—
August Cuppens.
7.30—News.
8.0—Radio Orchestra. Conductor:
Douliez. Selection, Fingal's Cave
(Mendelssohn). Scènes napolitaines
(Massenet). Records: "La
Traviata" (Verdi), by Tito
Schipa and Galli-Curci. Selection,
"Hansel and Gretel"
(Humperdinck).
8.45—Talk.
9.0—Orchestra (contd.). Overture,
"Die Fledermaus" (Joh.
Strauss). Kleiner Wiener Marsch
(Kreisler). Liebesleid (Kreisler).
Perpetuum mobile (Strauss). Re-
cords—"The Gipsy Baron"
(Strauss). Selection, "Countess
Maritza" (Kálmán). Kaiser-
walzer (Strauss).
9.50—Evening Prayers.
10.0—News.
10.10-11.0—Records. My Song
goes round the World (May).
Variations (Proch). Venice et
Bretagne (Dassier). Leise fíehen
meine Lieder (Schubert). Grün
ist die Heide (Blume). Wiegenglied
(Mozart). Recitative and Cava-

rina, "Prince Igor" (Borodin).
Intimité (Chopin). Die Forelle
(Schubert). Hindu Song (Rim-
sky-Korsakov). Serenade (Abt).
On Wings of Song (Mendels-
sohn). Mein Herz ist voller
Sonnenschein (Buday). Solitude
(Ellington).

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW.
Relayed by Radio-Romania, 160
kc/s (1,875 m.).
Transmits at intervals from 5.30 a.m.
4.0 p.m.—Dance Music by the
Bobesco Orchestra.
5.0—Dance Records.
5.15—Dance Music (contd.).
5.45—Music Review.
6.0—Lydia Lipkowska (Songs).
6.25—Mandoline Band.
6.55—Educational.
7.15—Radio Orchestra. Conductor:
Rogalsky.
8.30—News; Sports.
8.45—Motoiu Orchestra.
9.45—News (French, German).

BUDAPEST (No. 1)

(Hungary)

546 kc/s (549.5 m.); 120 kW.
8.30 a.m.—News.
9.0—Roman Catholic Service.
10.15—Greek Orthodox Service.
11.30—Opera Orchestra. Conductor:
Rajter. László Szentgyörgyi
(Violin).
1.0 p.m.—Records.
2.0—Reading.
2.30—Station Orchestra.
3.20—Poems (István Vas).
3.40—Ferenc Hochstrasser (Flute).
4.0—For Farmers.
4.30—Tlinczky Jazz Band.
5.30—Talk: Queen Elisabeth.
6.0—Songs of North Hungary by
Margit Bodán, György Kubányi
and the Csorba Csigány Band.
7.0—Pastorale Française (Hankiss);
Music by Tibor Polgár.
8.5—Beethoven Sonatas by Doh-
nányi (Pfte.). Sonata in D. Son-
ata in F minor.
9.0—News.
9.30—Municipal Tramways' Orches-
tra. Conductor: Károly Müller.
Overture, "The Gipsy Baron"
(Strauss). Suite, "Peer Gynt"
(Grieg). Waltz (Komzák). Theme
and Variations (Wieschendorf).
Interlude: Le Bon noir (Chaloux).
Hungarian Songs (Fiedy). Song
(Garami). A Sledge Ride (Bachó).
11.5—News.

BUDAPEST (No. 2)

(Hungary)

359.5 kc/s (834.5 m.); 18 kW.
10.30 a.m.—Weidinger Orchestra.
3.30 p.m.—Records.
6.0—Talk.
7.0—News.
7.25—Lili Christián (Songs).

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW.
Transmits at intervals from 5.0 a.m.
11.0 a.m.—1.0 p.m.—See Frankfurt.
1.0—News.
1.15-2.0—Marches and Waltzes by
a Schrammel Ensemble.
2.30—Legal Talk.
2.45—Markets; Books.
3.0—Elberfeld Street Singers,
Guitar and Recorder.
4.0—Songs and Tales.
4.30—Talk: German Literature
and Contemporary French
Opinion.
4.40—Music for Two Violins and
Pfte. (Kaminski).
5.0—Italian Lesson.
5.10—Twelfth Night Programme.
Part I. "The Three Kings . . .";
Songs and Rhymes. Part II.
Reading, "The Christ Child in
Flanders" (Timmermans).
5.50—Snapshot.
6.0—News.
6.10—The Wonderful Romance of
the Lovely Magelone and Count
Peter of Provence, told by Lud-
wig Tieck, with Brahms Music
(arr. Gehly).
7.0—We build a Bridge, IV:
Haydn-Brahms. Station Orches-
tra and the Augmented Station
Choir. Conductor: Schulz-
Dornburg. Helene Fahrni
(Soprano), Marten (Tenor),
Hager (Bass), Kreuter (Violin).
Part I. Haydn. Winter, "The
Seasons" (Haydn). A Musical
Soirée in Count Esterházy's
Castle: (a) Excerpt, Divertimen-
to for Strings (Michael
Haydn), (b) Adagio for Viola da
Gamba and 'Cello (Hammer), (c)
Serenade (Joseph Haydn). Rocco
Pastorale. Part II. Brahms.

Violin Concerto in D (Brahms).
Variations on a Haydn Theme
(Brahms).
9.0—News.
9.30—See Stuttgart.
10.30-11.15—Twelfth Night Ser-
enade by the Hellenbroich
Chamber Choir.

DEUTSCHLANDSENDER

(Germany)

191 kc/s (1,571 m.); 60 kW.
Transmits at intervals from 5.0 a.m.
11.0 a.m.—12.50 p.m.—See Breslau;
at 12.0 noon—Greetings.
12.50 p.m.—News.
1.0—Herbert Jäger and Records.
2.0—Announcements; Exchange.
2.15—Chamber Music of Yesterday
and Today. Music on Folk In-
struments (Recorded), with
Wilma Kaiser (Soprano); at 2.30
—Announcements.
3.0—Station Orchestra. Conductor:
Dobrint; at 4.0-4.10—A Talc.
5.0—Dorothea Klotz (Pfte.). Six
Preludes (Scriabin). Two Etudes
(Scriabin). Gavotte (Prokofiev).
Sonata (Prokofiev).
5.25—Records; Sports.
6.0—Motto; News.
6.10—Fröhlich Band, with Sketch.
7.0—"Der Bettelstudent" (Mil-
löcker), by the Berlin Station
Choir and Orchestra. Conductor:
Heinrich Steiner (Recorded).
9.0—News; Sports; Topical.
9.30-9.45—"Cello Sonata in G
minor (Eccles), by Walter Lutz
('Cello) and Rudolf Schmidt
(Pfte.).
10.0—Dance Records.
10.20-11.0—"Hits of 1937"—Con-
cert from London (National).

FRANKFURT (Germany)

1,195 kc/s (291 m.); 25 kW.
Cassel, etc. See Sunday.
Transmits at intervals from 5.0 a.m.
11.0 a.m.—Trier Civic Orchestra.
12.0 noon—Time; News.
12.15 p.m.—Orchestra (contd.).
1.0—News; Records.
2.0-2.45—Talk; For Children.
3.0—Light Orchestra, with Read-
ings from Children's Letters.
5.0—Topical.
6.0—Time; News.
6.10—Concert. Part I, "Winter
Joys"—Small Station Orchestra.
Conductor: Hauck. Gallop,
Petersburger Schlitzenfahrt (Eilen-
berg). Waltz, Winterstürme
(Fueck). Mondnacht im Winter
(Meyer-Helmund). In the Spin-
ning Room (Dvořák). Overture,
"Der Kobold" (Pachernegg).
Rosen im Schnee (Siede). Waltz,
Winterlandschaft (Lincke). Wenn
ein Schneemann verliebt ist
(Ernst). Troikafahrt (Meyer-
Helmund). Part II, Light Music
—Station Orchestra. Conductor:
Moritz. Caspar (Violin). Overtu-
re, "If I were King" (Adam).
Excerpt, "Königskinder"
(Humperdinck). Violin and Or-
chestra: Capriccio (Gade). Cham-
pagne Waltz (Bausnerner). Waltz,
Greetings to Vienna (Bausnerner).
Venetian Serenade (Helm-
berger). Overture, "Boccaccio"
(Suppé).
8.0—"The Ticket"—Humorous
Sketch (Rösler).
8.10—Chamber Music—Gerda
Nette (Pfte.), Losse (Baritone).
Theme with Variations on the
Name "Abegg" (Schumann).
Winter Songs (Martin, Hauseg-
ger, Graener, R. Strauss). Pfte.
Sonata in D (Beethoven).
9.0—Time; News.
9.30—See Stuttgart.
11.0-12.0 m.—Mozart Records.
Excerpts, Divertimento in D.
Aria, "The Seraglio." Aria,
Mia speranza adorata. Pfte.
Concerto in B flat.

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW.
Bremen, etc. See Sunday.
Transmits at intervals from 5.10 a.m.
11.0 a.m.—Kiel Orchestra.
12.0 noon—Midday Review.
12.15 p.m.—See Frankfurt.
1.0—News; Music.
2.0—Shipping; Markets.
2.25—Ernst Duis Songs by the
Composer and Station Male
Voice Choir. Conductor: Gregor,
with Instrumental accompaniment.
2.50—Ice Report.
3.0—Light Music—Station Orches-
tra, Balalaika, Pfte., and Talks.
4.15—Talk: Postage Stamps.
5.0—Contemporary Music (Re-
corded). Prelude and March
(Majewski). Minuet (Max
Trapp). Two Songs (Armin
Knab): (a) Befreiungslied der
Deutschen, (b) Unser Leben.
Movements, Violin Concerto in
B flat (Schoeck). Festival Music
(Bresgen). Georgica (Egk).
5.45—Weather; Shipping.

6.0—News.
6.10—"Jenny hett 'jo' seggt"—
Dialect Comedy (Kinau); Inter-
lude.
7.0—Topical.
7.10—Film Music—Station Orches-
tra, Dance Band. Mimi Thoma,
Kate Krauel and Schulz (Songs)
and Gregor (Organ). In the
intervals, Talks.
9.0—News.
9.30-11.0 (from Hanover)—Light
Orchestral Serenade, Conductor:
von Sosen.

HILVERSUM (No. 1)

(Holland)

160 kc/s (1,875 m.); 10 kW
until 2.40 p.m.; 150 kW from
2.40 p.m. Also on Lopikerkapel,
722 kc/s (415.4 m.); 17 kW.
AVRO Programme.
7.40 a.m.—Time; Records.
9.40—Service.
9.55—Records.
10.10—AVRO Orchestra, Conduc-
tor: van Raalte. To Schook
(Soprano). In the interval,
Recitation.
12.10 p.m.—AVRO Dance Band,
Conductor: Mossel.
12.40—Pierre Palla (Organ) and
Lensky (Violin).
1.40—Talk.
2.10—Matto (Songs).
2.40—Dressmaking.
3.25—Records.
3.40—For Hospitals.
1.10—Records.
4.40—Play for Children.
5.10—Aeolian Orchestra.
6.10—Sports Talk.
6.40—For Children.
6.45—van Egmond (Organ).
7.10—English Lesson.
7.40—Time; News.
7.55—Symphony Concert from the
Concertgebouw, Amsterdam. Con-
certgebouw Orchestra, Conductor:
van Beinum, Petri (Pfte.).
Leonora Overture No. 1 (Beet-
hoven). Pfte. Concerto in C
minor (Beethoven). Seventh Sym-
phony (Bruckner).
10.10—Records.
10.40—News.
10.50—AVRO Dance Band, Con-
ductor: Mossel.
11.25-11.40—Pierre Palla (Organ).

HILVERSUM (No. 2)

(Holland)

995 kc/s (301.5 m.); 15 kW
until 6.10 p.m.; 60 kW from
6.10 p.m.
7.40-8.55 a.m.—KRO Programme;
Records.
9.40-10.40—NCRV Programme:
Records and Service.
10.40 a.m.—1.40 p.m.—KRO Pro-
gramme.
10.40—Records.
11.10—Religious Address; News.
11.55—KRO Orchestra. Conductor:
van 't Woud; at 12.25-12.40 p.m.
and 1.0-1.10—Records.
1.40 till Close—NCRV Programme.
1.40—Handicrafts.
2.40—Records.
3.25—Bible Reading.
4.25—For Young People.
4.55—Records.
5.10—Mlle Iperna (Soprano), C.
Velo (Pfte.).
6.10—Records; News; Talk; Re-
port.
7.40—News.
7.55 (approx.)—Oranje Band.
Conductor: Schoen; at 8.40—
Talk.
9.40—News.
9.55 (approx.)—Bogtman (Bari-
tone), Schouwman (Pfte.).
10.25—Gymnastics.
10.40-11.40—Records; Bible Read-
ing.

KALUNDBORG (Denmark)

240 kc/s (1,250 m.); 60 kW.
Relays Copenhagen, 1,176 kc/s
(255.1 m.).
Transmits at intervals from 6.0 a.m.
11.0 a.m.—1.0 p.m.—Chimes;
Preil's Ensemble.
1.15—For Schools.
1.35—Radio Orchestra. Conductor:
Grøndahl; at 2.20—Reading.
3.30—For Children.
3.50—Announcements.
4.0—Poems.
4.25—Weather; Exchange; Markets.
4.50—Erna Schroder (Songs).
5.15—Talk: Have Animals a Sense
of Humour?
5.35—English Lesson.
6.0—News.
6.20—Talk: Road Traffic.
6.30—Talk: Africa.
7.0—"Cant"—Play about Henry
VIII (Munk).
9.0—News.
9.20—Radio Symphony Orchestra.
Conductor: Tuxen. Overture,
Helios (Nielsen). Symphony in E
flat (Stravinsky).
10.0-11.15—Preil's Dance Band; at
11.0—Chimes.

KÖNIGSBERG (Heilsberg)

(Germany)

1,031 kc/s (291 m.); 100 kW.
Relayed by Danzig, 1,303 kc/s
(230.2 m.).
Transmits at intervals from 5.0 a.m.
11.0 a.m.—1.0 p.m.—See Frank-
furt.
1.0—News; Talk; Variety.
1.55-2.0—Exchange.
2.30—Week-end Hints.
2.40—Children's Choir.
3.10—Concert on Records.
4.50—Ice Report.
5.0—Sports Talk.
5.20—Horse-Breeding—Report from
Luisenwald.
5.30—"An Artist in the Road
Workers' Camp" (Graf).
5.50—Announcements; News.
6.10—Station Orchestra. Conduc-
tor: Brückner. Lessmann (Vio-
lin). Music for Violin and Or-
chestra (Stephan). Sixth Sym-
phony—the Paëtic (Tchaikov-
sky).
7.40—Topical.
7.50—"Der goldene Mörser"—
Play after Grimm (Raschke);
Music by Müller.
9.0—News; Sports.
9.20—Talk: German History.
9.40-11.0—Music from Stuttgart.

LEIPZIG (Germany)

785 kc/s (382.2 m.); 120 kW.
Relayed by Dresden, 1,285 kc/s
(233.5 m.).
Transmits at intervals from 5.0 a.m.
11.0 a.m.—1.0 p.m.—See Frankfurt.
1.0—News; Exchange; Records.
2.15—Talk; For Girls.
2.50—Brazilian Bulletin.
3.0—Concert—Station Orchestra.
Conductor: Blumer. Dorothea
Schröder (Contralto), Bungert,
Ortwein and Vaders (Pftes);
Overture, "Dame Kobold
(Reinecke). "Gotland Dances
(Tor Aulin). Three Songs (Liszt).
Petite Suite (Debussy). Two
Pftes.: Yugoslav Rhapsody (Ort-
wein). Excerpts, Suite on
Russian Folk-Songs (Bruch).
Suite (Jäger). Gipsy Songs
(Dvořák). Waltz (Strauss). Fan-
tasia, Don Juan (Liszt-Ortwein-
Vaders). Waltz Fantasia (Glinka).
Waltz, Von Land zu Land
(Löhrl). Gallop, In froher Stim-
mung (Will); at 4.0-4.10—
Industrial News.
5.0—Reading; Talk.
5.50—Topical; News.
6.10—"From Reveille to Last
Post." Soldiers' Chorus. Con-
ductor: Pallmann.
6.55—"The Italian Girl in
Algiers" (Rossini). Leipzig
Symphony Orchestra, Station
Choir, etc. Conductor: Weber.
9.0—News; Sports.
9.30-11.0—See Stuttgart.

LILLE (Radio PTT Nord)

(France)

1,213 kc/s (247.3 m.); 60 kW.
Transmits at intervals from 6.30 a.m.
5.30 p.m.—"Les moins de vingt
ans" (Mme de Miollis).
6.0—For Stamp-collectors.
6.15—Marguerite Van der Brigghe
(Songs). Aria, "Oedipe à
Colone" (Sacchini). Est-ce rêve
(Lacoste). Song, "Mam'zelle
Nitouche" (Hervé). Serenata
(Toselli).
6.30—Economic and Social Notes.
7.0—Recitations.
7.30—News.
8.0—Dialect Programme.
8.30—Variety with Gilberte Le-
grand, Willy Maury and Dehette
and Duchêne (Pfte. Jazz). After
the Programme, News.

MONTE CENERI

(Switzerland)

1,167 kc/s (257.1 m.); 15 kW.
Transmits at intervals from 11.0 a.m.
6.15 p.m.—Italian Operetta Re-
cords.
6.45—News.
7.0—Italian Operetta Records.
7.10—Augmented Radio Orchestra.
Conductor: Casella. Overture,
"Euryanthe" (Weber). Second
Symphony in B flat (Schubert).
7.45—Book Talk.
7.55—Orchestra (contd.). Three
Symphonic Preludes for "Edipo
Re" (Pizzetti). Norwegian
Dances (Grieg).
8.30-9.0—Italian Folk Songs by
Angelo Parigi (Tenor). Partita
già la nave (Gordigiani). Ogni
sabato avrete. Don don campana
(Fontini). Stornello lucchese
(Neretti). Pastorelle (Mortari).
Il cacciatore del bosco (Sinigaglia).
Gondoliera veneziana (Sadero).
La perla (Bianchini). Ruvanelle
(Montanaro). Canto popolare
marchigiano (Benvenuti). Fen-
esta che luève. Marechiaro
(Tosti).

THURSDAY (January 6)

MOSCOW (No. 1) (Russia) 172 kc/s (1,744 m.); 500 kW. 4.30 p.m.—Concerts. 8.30—News. 9.0—Programme in French. 10.0-12.0 m't.—Programme in Spanish.

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

Transmits at intervals from 5.0 a.m. 11.0 a.m.—Station Orchestra. 12.0 noon—News; Topical. 12.15 p.m.—Records. 1.0—News; Exchange. 1.15—See Cologne. 2.0-2.30—For Children. 3.0—Fiddle Trio, Baritone and Recorder (Recorded). 3.40—Talk: Medical Research. 4.0—Weather; Markets. 4.15—Records—Light Music. 5.45—Topical; News. 6.10—Chamber Music (Recorded). Movement, 'Cello. Sonata (Thuille). Duet, Heimwärts gehn die Schnitter (Dvořák). Waltz-Caprice (Laurischkus). Auf dem Rheine (Schoeck). Sarabande (Bach). Duet (Schumann). Scherzo (Reger). Zum Abschied meiner Tochter (Pfitzner). Fantasia (Sitt). Waltz - Caprice (Laurischkus). Duet (Weber). Bourrée (Bach). Scherzo (Boschi). Duet (Schumann). Minuet (Bach). Freisinn (Schumann). Handel in the Strand (Grainger). 7.0 (from Nürnberg)—Lilly Neitzer (Contralto). Strienz (Bass). Petroni (Violin). Rauchenstein and Schmidmeier (Pftes.). Songs (Haas, Wolf). Sonata, Il Trillo del Diavolo (Tartini). 8.0—Winter Relief Request Concert. 9.0—Time; News; Sports. 9.15—For Ski-ers. 9.30-11.0—See Stuttgart.

NAPLES GROUP (Italy) Naples, 1,104 kc/s (271.7 m.); 10 kW. Florence (No. 1), etc. See Sunday.

6.0 p.m.—Light Music and Songs. 6.15—Topical Talk. 6.25—German Folk Music from Berlin. 7.0—Time; News; Talk. 7.30—"Uccidimi"—Three-Act Play (Corsi). 8.30—"At the White Cat"—Variety. 9.0—Dance Music. 10.0—News. 10.15-10.55—Dance Music.

OSLO (Norway) 260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday. Transmits at intervals from 9.30 a.m. 4.5 p.m.—Café Concert. 4.55—Service. 5.20—Henry Moe (Negro Spirituals). 5.45—News. 6.15—Talk; Record. 6.35—Economics. 7.0—Bergen Radio Orchestra. 7.30—Report: The Norwegian Sailors at Hamburg. 8.0—Literary Review. 8.10—Poetry Cycle, "Draum-kraedet." 8.40—Weather; News. 9.0—Topical Talk. 9.15—Dance Music.

PARIS (Eiffel Tower) (France) 1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 6.30 a.m. 3.45 p.m.—"The Persians"—Tragedy (Aeschylus), by the "Groupe théâtral antique" of the Sorbonne. 5.0—Records. 5.45—Mariey Orchestra. 6.30—Educational. 7.0—Theatre Review; Records. 7.30—News; Time. 8.0—Paule Gilly (Songs), Colette Gaveau (Pfte.). Songs: (a) L'amour est un enfant trompeur (Martini-Boufflers), (b) Au bord d'une fontaine, (c) A mon berger. Pfte.: (a) Impromptu (Faure), (b) Clair de lune (Debussy), (c) Toccata (Debussy). Songs: (a) La chanson de Suleika (Rimsky-Korsakov), (b) Je sais que tu m'as aimé (Rachmaninoff). 8.30—"Le Grand Mogol" (Audran). 10.30—Records. 11.0-11.15—News.

PARIS (Poste Parisien) (France) 959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m. 12.0 noon—Exchange. 12.5 p.m.—Military Band Records. 12.15—For Children. 12.25—News; Exchange. 12.30—Variety Concert. 1.15—Amusement Guide. 1.17—For Children. 1.32—Cinema Organ Records. 1.50—Scripture Lesson. 2.0—Exchange; News. 2.5—Cigány Band Records. 2.15—Amateurs' Half-Hour. 2.50—For Children. 3.45 and 4.35—Exchange. 5.0—News; Cabaret. 6.0—Exchange; News. 6.10—The Adventure Club. 6.25—For Children. 6.58—Topical; Sports. 7.10—To be announced. 7.14—Amusement Guide. 7.16—Variety Records. 7.40—Legal Talk. 7.45—Paris Programme with Browning and Starr. 8.5—Topical. 8.15—Les Frères Jacasse. 8.20—"Plaisirs de Paris"—Variety with Zeppelli Orchestra, Rose Cornaz Hawaiian Ensemble. Adrienne Gallon and Roméo Carles. 8.50—Talk. 8.55—"La bonne histoire." 9.0—News; Music. 9.25—"En correctionnelle" (Diamant-Berger). 9.55—News. 10.10—Talk by Borchard: Backhaus. 10.30-11.0—Records.

PARIS (PTT) (France) 695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.30 a.m. 4.0 p.m.—Claudia Hervier (Songs). 4.15—Talk: Marconi. 4.25—Talk. 4.30—For Children. 4.45—Light Music by the Lafargue Orchestra. 5.45—Grammar. 5.50—Talk: Art and Life. 6.0—For Farmers. 6.15—Talk: Nineteenth Century Ideology and Mysticism—Enfantin. 6.30—Sonata in F minor (Mendelssohn) by Marcilly (Organ). 7.0—News. 7.0—"Professor Ragus presents Mme Armandine, Clairvoyante"—Sketch (Rivedoux), with the Author, Nital Malber, and Victor Boucher. 8.30—"Twelfth Night"—Comedy (Shakespeare), adapted by Théodore Lascaris, by the "Mai 36" Players. 10.30—News; Records.

PRAGUE (Czechoslovakia) 638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.45 a.m. 4.35 p.m.—German Transmission: Play with Music. 5.50—News and Review (German). 6.0—News. 6.10—A Play. 6.45—Talk. 7.0—Talk on the following Concert. 7.5—Czech Philharmonic, from the Smetana Concert Hall. Conductor: Jirák. Symphony in F (Dvořák). Fantasy for Violin and Orchestra (Suk). Suite in C minor (Ostrčil). 8.55—Record. 9.0—News. 9.15—News (German). 9.20-10.20—See Brno.

RADIO-NORMANDIE (France) 1,113 kc/s (269.5 m.); 15 kW. 6.45 a.m.—Military Band. 7.0—Records. 7.15—News; Press Review. 7.45—Physical Exercises. 8.0—Variety. 8.15—Light Music. 8.30—Popular Music. 8.45—Song Records. 9.0—Military Band. 9.15—Popular Tunes. 9.30—Light Music. 9.45—Hildegard. 10.0—Sacred Music from the Carmelite Chapel, Lisieux. 11.0—Quartet in C (Haydn) by the Lener Quartet. 11.40—Light Music. 12.0 noon—Excerpts, "En Plein Pasris"—Operetta (Sellers-Kogers), by the Sellers Orchestra. 12.20 p.m.—Military Band. 12.45—News. 1.0—For Children. 2.30—Variety. 3.0—Light Music. 3.15—Film Music. 3.30—Popular Music. 3.45—Dances. 4.0—Jane and John. 4.15—Light Music. 4.30—Variety. 4.45—Music-Hall Memories. 5.0—"Trees"—Light Music. 5.15—For Children. 5.30—"Horses"—Variety. 6.0—Sacred Music from the Carmelite Chapel, Lisieux. 6.45—News; Racing. 6.50—Talk. 7.0—Film Music. 7.25—News; Records. 8.0—"Le Crime du Val d'Amour"—Thriller. 8.20—Records of Tino Rossi. 8.40—Records of Jeanne Jehanno and Henry Laverne. 9.0—To be announced. 11.0—Café Concert. 11.45—News. 12.0 m't.—Midnight Melodies. 12.30-1.0 a.m. (Friday)—Dance Music.



Jirák, conductor of Prague's Czech programme at 7.5 p.m.

PARIS (Radio-Paris) (France) 182 kc/s (1,648 m.); 80 kW. 6.28 a.m.—Programmes; Records. 6.40—Time; News; Gym; Records. 7.15—News; Records. 8.0—News; Programmes. 8.35—For Boy Scouts. 8.50-9.20—Records. 10.15—Programmes; Records. 10.30—Records: Marouf (Rabaud). Conductor: The Composer. 10.45—Reading; Records. 11.45—Exchange; Markets. 12.0 noon—Protestant Address. 12.20 p.m.—"The Days of Old"—Orchestra. Conductor: Cantrelle. Entry March of the Gladiators (Fouci). Ballet, "Les Perses" (Leroux). Overture, "Phédre" (Massenet). Prelude and Funeral March, "Marathon" (Grecourt). Vision of Salomé (Joyce). Dance (Schumann). Le repos de la Sainte-Famille (Berlioz). Overture, "Coriolanus" (Beethoven).

1.0—Time; News; Exchange. 1.30—Willy Tubiana (Songs). 1.45—Orchestra (cont'd.). Waltz, In the Steppes (Volpatti). L'école des Aegyptans (Piercé). Hungarian Dances (Brahms). 2.0—Programmes. 2.5—Literary Talk: Bloodcurdlers. 2.20—Talk: Modern Inventions. 2.30—Exchange; Markets. 2.45—Jacques Mamy (Pfte.). Prelude (Bach). Mazurka in A minor (Chopin). Romance in E flat (Mendelssohn). Neapolitan Song (Moszkowski). 3.0—Odette Bergeal (Songs). 3.15—Talk: Twelfth Night. 3.25—Colonial Review. 3.35—For Sportsmen. 3.45—Exchange. 4.0—Andrée Laurens (Songs). 4.15—Educational. 4.45—Exchange; Markets. 5.0—Molière and the Return to the Italian Comedy. "L'Etourdi"—Comedy (Molière), by the Odéon Players. 6.30—Talk: Sixteenth Century Personalities. 6.45—Medical Talk; Programmes. 7.0—Educational. 7.30—Talk: From Paris to Marseilles by Air. 7.45—Reading: "Mitsou" (Colette). 7.50—Time; Foreign Affairs. 8.8—Home Affairs; Records. 8.30—Programme from the Opéra-Comique: "Le Roi d'Ys" (Lalo); Invitation to the Dance (Weber); at 9.30—News. 11.45—Programmes.

STOCKHOLM (Sweden) 704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday. Transmits at intervals from 6.20 a.m. 4.5 p.m. (from Göteborg)—Ingallil Söderman and Nils Ericson (Songs and Duets). 4.30—Reading (Lagerlöf). 5.0—Christmas Oratorio (Bach) from the Engelbrekt Church. Engelbrekt Church Choir and Orchestra. Conductor: Aahlen. Singers: Kerstin-Torlind, Sandra Törnqvist, Olle Björling, Sigurd Björling. 6.15—News; Report. 7.0—Operetta. 8.45—News. 9.0-10.0—Light Music. Karin Juel and Björn Forsell (Songs), Einar Groth (Violin), Nils Larsson (Guitar).

STASBOURG (France) 859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m. 6.30 p.m.—François Cholé and Mme Dixmier (Pftes.). Variations on a Theme of Haydn (Brahms). Ritmo (Infante). Excerpts, "Scaramouche" (Milhaud). 7.0—News; Records. 8.0—News (German). 8.15—News. 8.30—Station Orchestra. Conductor: de Villers. François Cholé (Pfte.). Le Bréton (Tenor). Second Symphony (Saint-Saëns). Pfte. Concerto (Roussel). Symphonic Poem, Au béguinage (Bloch). Fantasia in D (Ropartz). Pfte.: (a) Impromptu in A flat (Chopin), (b) Two Arabesques (Debussy). Nuit Persane (Saint-Saëns), Carnival (Guiraud). 10.30—News (French, German).

STUTT GART (Germany) 574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.-1.0 p.m.—See Frankfurt. 1.0-2.0—Records of Caruso and Schlusnus. 3.0—Orchestral and Vocal Music from Karlsruhe and Mannheim. 5.0—Chamber Music (arr. Wöhrlin) by a Hitler Youth String Quartet, from Karlsruhe. String Quartet in F (Stamitz). Andante in E flat (v. Dittersdorf). Quartet in D (Mozart). 5.30—Topical. 6.0—News; Topical. 6.15—Records: Light Music. 7.0—"Chopin"—Biographical Sequence with Music (Hänsler).

RENNES-BRETAGNE (France) 1,040 kc/s (288.5 m.); 120 kW. Transmits at intervals from 6.45 a.m. 8.30 p.m.—"Samson and Delilah" (Saint-Saëns) from the Municipal Theatre, Angers. After the Programme, News.

ROME GROUP (Italy) Rome (No. 1), 713 kc/s (420.8 m.); 50 kW. Bari (No. 1), etc. See Sunday. Transmits at intervals from 7.30 a.m. 4.0 p.m.—News. 4.15—Concert from Rio de Janeiro. 5.0-5.10—Talk. 6.20—Dopolavoro Notes. 6.30—Radio Orchestra. Conductor: Filippini. 7.0—Time; News; Talk. 7.30—Music. 8.0—"Don Pasquale" (Donizetti) from the Carlo Felice Theatre, Genoa. In the intervals, Talks and News.

SOTTENS (Switzerland) 677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.). 11.29 a.m.—Time; News. 11.40—Records of Ninon Vallin, Erna Sack and Georges Thill. 12.0 noon—Humorous Records. 12.15—Dance Records. 12.30-12.45—Records: Ciaccona (Vitali) by Milstein (Violin). 4.0—Sasselli Orchestra. 4.30—Contemporary Music by Maroussia Orloff and Pasche (Pftes.). 5.0—Cookery Notes. 5.20—Variety on Records. 6.0—Talk: Bovine Tuberculosis. 6.10—Literary and Art Review. 6.20—Sports and Tourist Review. 6.30—Musical Interlude. 6.50—News. 7.0—Talk. 7.30—Fifth Symphony (Schubert) by the Radio Suisse romande Orchestra, Conductor: Haug. 8.0—Soirée de Chansons, with Edith Berger, René Bersin and Company. 9.10-10.0—Radio Suisse romande Orchestra, Conductor: Haug. Symphonic Poem, Patrie (Bizet). Kaiser-Walzer (Strauss). Hymn to the Sun (Mascagni). Selection, "Frederica" (Lehár).

THURSDAY (January 6) 8.0—From the New World (Dvořák), by the Heidelberg Municipal Orchestra. Conductor: Overhoff (Recorded). 8.45—"Hans Duffner, Lyricist"—Sequence (arr. Howe). 9.0—Time; News; Sports. 9.30—Folk Music and Light Music—Rehfeld and Balalaika Bands, Folk-Music Ensemble, with Hanus and Pöltner. 11.0-12.0 m't.—See Frankfurt.

TOULOUSE (Radio-Toulouse) (France) 913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.0 a.m. 7.15 p.m.—Operetta Airs. 7.40—Light Music. 7.55—Variety Item. 8.0—Chansonnettes. 8.30—Variety. 8.45—"Vers d'autres cieux"—Fantasy. 9.15—Maurice Saint-Paul (Accordion). 10.0—News. 10.15—English Concert. 11.15—Excerpts, "Les Dragons de Villars" (Mailart). 11.35—Light Music. 11.50-12.0 m't.—News.

TURIN GROUP (Italy) Turin (No. 1), 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday. Transmits at intervals from 7.30 a.m. 4.0 p.m.—News. 4.15—Concert from Rio de Janeiro. 5.0-5.10—Talk. 6.20—Dopolavoro Notes. 6.30—See Rome (No. 1). 7.0—Time; News; Talk. 7.30—Music. 7.40 (Rome (No. 2) only)—News in English. 8.0—"Mazzemarello"—Musical Comedy (Leoni). Conductor: Malatesta. In the intervals, Talk and News. 10.0—News. 10.15-10.55—Angelini Dance Band from the Sala Gay.

VIENNA (Austria) 592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday. Transmits at intervals from 6.45 a.m. 9.0 a.m.—Pontifical High Mass from St. Stephen's Cathedral. 10.20—Talk: Radetzky. 10.40—Announcements. 10.45—Symphony Concert, Vienna Chamber Orchestra, with Baltz (Violin). Conductor: Auderich. 11.55 a.m.-1.20 p.m.—Winter Relief Concert. Station Orchestra. Conductor: Holzer. 1.55—News. 2.10—Nativity Play (Pichelbauer, arr. Angely-Geyer). 2.40—Seventeenth Century Music by the Gebel Trio. Trio Sonata in D (Buxtehude). Harpsichord: Chaconne in G (Handel). Flute and Continuo: Sonata in A minor (Locillet). Viola da Gamba: (a) Minuet (Abel), (b) Ricercare (Ganassi). Trio Sonata in G minor (Roman). 3.20—Records: Light Music. 4.40—Talk: The Three Kings in Art and Literature. 5.0—"The Fiddler of Nussdorf"—Play (Oegyn); Music by Eysler. Conductor: The Composer. 6.5—Talk: Indians. 6.25—Folk Programme from Linz. 7.25—Adventures of the Saxophone Family, II: "A Ghost in the Bar"—Fantasy (Jeff). Music by Sandauer, with the Station Band. Conductor: The Composer. 8.30—Vaša Příhoda (Violin). Sonata in G (Dvořák). Adagio and Fugue in A minor (Bach). Variations on a Corelli Theme (Tartini-Kreisler). Slav Melody (Příhoda). 9.10—News; Announcements. 9.20—Talk in Hungarian: Sunny Winter in Austria. 9.30—Records; Announcements. 10.0-10.30—Cigány Band from Budapest.

WARSAW (Poland) 224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday. Transmits at intervals from 7.0 a.m. 6.0 p.m.—Programme Announcements. 6.5 (from Poznań)—Variety. 6.45—Sports Notes. 7.0—"Fanny Elssler" (Strauss). Conductor: Górzynski; at 7.45—News; Topical. 8.50—Reading (Skwiski). 9.5—Trio in A minor (Tchaikovsky). 9.55-10.0—News.

FRIDAY Jan. 7

NATIONAL

For Time Signals, see Monday.
 10.15 a.m. (D)—Service.
 10.30 (D)—Weather Forecast.
 10.45—"Sickness in the House;" talk. 11.0—Records.
 11.30—Organ Recital.
 12.0—The Wessex Players.
 12.30 p.m.—Henry Hall's Dance Orchestra. 1.15—String Quartet.
 2.0—Dramatic biography about Daniel Defoe. 2.20—Records.
 3.0—Haydn Rogerson (Cello).
 3.30—Norris Stanley Sextet.
 4.30—"April Showers," by Nino Bartholomew.
 5.0—Ralph Elman Sextet.
 5.45—Gregori Tcherniak (Balalaika); Geoffrey Sisley (Guitar).
 6.0—The First News.
 6.25—George Formby in "A Lancashire Lad in London."
 6.40—Dudley Savage (BBC Theatre Organ).
 7.0—"For the Elizabethan Home;" Eileen Ralph (Soprano); Lucille Wallace (Harpichord); Shadwick String Quartet.
 7.25—British Film Music.
 8.15—Excerpt from Cinderella."
 9.0—The Third News.
 9.20—Noel Eadie (Soprano); BBC Orchestra (Section E), conducted by Hermann Seherchen. Contemporary Music—4.
 10.20—BBC Theatre Orchestra; Arthur Sandford (Pfte.).
 11.15—Oscar Rabin and his Romy Dance Band.
 11.30-12.0—Dance Records.

REGIONAL

For Time Signals, see Monday.
 10.15-10.45 a.m. (ex. Western)—National. 10.45—Cinema Organ.
 10.45 (Western)—National.
 11.15 (ex. Western)—Frank Walker's Octet. 12.0—Pfte. music.
 12.30 p.m. (ex. Western)—BBC Northern Ireland Orchestra; Gethyn Wykeham - George (Cello). 1.15—Records.
 1.30 (ex. Western)—Reginald Foot (BBC Theatre Organ).
 2.0 (ex. Western)—BBC Empire Orchestra; William Parsons (Bass). 3.0—Light Orchestra.
 3.30 (ex. Western)—"American Journey;" Ann Fremantle.
 3.45 (ex. Western)—Russian Programme: BBC Midland Orchestra, conducted by Leslie Heward.
 5.0 (ex. Western)—Children's Hour.
 5.0 (Western)—National.
 6.0 (ex. Northern, Western)—Arthur Dulay Quintet.
 6.0 (Northern)—Roland Powell and his Rhythm Aces. 6.0 (Western)—Music of Estonia and Latvia.
 6.30 (Regional, N. Ireland)—Records. 6.30 (Midland)—Doris Watkins (Soprano).
 6.30 (Welsh)—Cinema Organ.
 6.30 (Scottish)—"Next Week You'll Hear."
 6.40 (Scottish)—"Saturday Sport."
 6.40 (Northern)—Talk on Apple Growing.
 6.40 (N. Ireland)—"City Centre."
 6.45 (Western)—For Gardeners.
 6.50 (Scottish)—"Bert Brisbane" (Entertainer at the piano).
 7.0—The Second News.
 7.20—Regional Announcements.
 7.30 (ex. Midland, Northern, Welsh)—Jay Wilbur Band.
 7.30 (Midland)—Excerpt from "Aladdin."
 7.30 (Northern)—Excerpt from "Dick Whittington."
 7.30 (Welsh)—"Ar Nos Wener."
 8.0 (ex. Midland, Western)—A. J. Alan.
 8.0 (Western)—Records.
 8.15 (Regional, Midland, Western)—BBC Midland Orchestra, conducted by Leslie Heward.
 8.15 (Northern)—Orchestra, conducted by T. H. Morrison.
 8.15 (Welsh)—Concert.
 8.15 (N. Ireland)—Orchestra: Gordon Bryan (Pfte.).
 8.15 (Scottish)—Glasgow Philharmonic Male Voice Choir.
 8.35 (Scottish)—Old Yule Customs.
 9.5 (Scottish)—Piping.
 9.15 (Northern)—Stagshaw Searchlight Registers its First Target.
 9.20 (ex. Midland, Northern, Welsh)—Variety.
 9.20 (Midland)—A. J. Alan.
 9.35 (Midland)—Ladbrooke Orchestra.
 9.35 (Northern)—A comedy.
 10.0—News Summary.
 10.25 (ex. Western)—Dance Band.
 11.50-12.0 (ex. Western)—Late News Summary.

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 100 kW. Dublin, etc. See Sunday.
 1.30-3.0 p.m.—Records.
 5.30—Light Music by the Radio Orchestra.
 6.20—Talk for Women—Mab Hickman.
 6.35—Irish News Feature.
 6.45—News.
 7.0—Mary Braid (Pfte.).
 7.15—Music of the American Continent, compère, J. Harold Douglas.
 7.45—Recent Books reviewed—Brinsley MacNamara.
 8.0—William Shanahan Cork Quartet.
 8.30—New Year's Poetry—Reading by Ida Gilbert.
 8.45—No. 1 Army Band.
 9.30—Variety Programme.
 10.30—News.
 11.0—National Anthem.

BARCELONA (EAJ1)

(Spain)
 795 kc/s (377.4 m.); 7.5 kW. Transmits at intervals from 8.0 a.m. 3.0 p.m.—Time; News; Records.
 11.0-12.0 m't.—News in Foreign Languages.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—1.0 p.m.—See Stuttgart; at 12.0 noon-12.15 p.m.—Midday Echoes.
 1.0—News.
 1.15—Glahe Band.
 2.15—Exchange; Markets.
 2.35-3.0—Musical Trifles.
 3.30—Sports Notes.
 4.0—Pfte. and Violin Sonata in F (Beethoven) by Else Kraus and Bruno Masurat.
 4.25—Old and New Dance Songs and Music.
 5.0—Records: Viennese Music.
 6.0—News; Krepela Sextet.
 6.45—Evening Echoes.
 7.0—Variety with Maria Nay, Tresi Rudolph, Manny Ziener, Herbert Ernst Groh, Georg Erich Schmidt, the Station Orchestra, and the Herms Niel Wind Band.
 9.0—News.
 9.30-11.0—Light Music—Kallies Band.

BEROMÜNSTER

(Switzerland)
 556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.).
 5.30-5.50 a.m.—Gym.
 11.0—Symphonic Jazz Records.
 11.29—Time; News; Exchange.
 11.40 a.m.—12.45 p.m.—Films—Notes and Records.
 3.0—Records of Lucienne Boyer, Zarah Leander and Tino Rossi.
 3.59—Time.
 4.0—To be announced.
 5.0—Weather; For Children.
 5.30—For Children; Records.
 6.0—Time; Announcements.
 6.15—Talk: Denmark and its People.
 6.35—Wireless Review.
 6.45—News.
 6.55-9.30—From Berne.
 6.55—Talk: Byron.
 7.15—Ten Studies (Chopin) by Koczalski (Pfte.).
 7.45—Talk: Law and Justice.
 8.10—"Der Rastelbinder" (Lehár).
 9.25-9.30—Announcements.

BRATISLAVA

(Czechoslovakia)
 1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 5.15 a.m. 5.0 p.m.—Hungarian Transmission: Weekly Review; Discussion by Hungarian Authors; Talk: The League of Nations.
 5.45-6.15—See Prague.
 6.15—Operetta Music. Station Orchestra, Conductor: Dyk. Milada Jiraskova, Blaho and Ruth (Songs). Overture, "La Princesse de Trébizonde" (Offenbach).
 Songs, "La Belle Hélène" (Offenbach). Song (Offenbach); Overture, "Light Cavalry" (Suppé). Song and Duet, "The Lovely Galatea" (Suppé). Overture and Songs, "Die Fledermaus" (Strauss). March, "The Gipsy Baron" (Strauss).
 7.15—"Dr. Jekyll and Mr. Hyde"

—Play after R. L. Stevenson (Petrik).
 7.55-9.20—See Prague.
 9.20—News in Hungarian.
 9.35-10.5—See Prague.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz and Görlitz, 1,231 kc/s (247.3 m.). Transmits at intervals from 4.30 a.m. 11.0 a.m.—1.0 p.m.—See Stuttgart.
 1.0—News; Exchange.
 1.15-2.0—Records.
 3.0—Light Orchestral. Conductor: Anders; at 4.0-4.10—Reading.
 5.0—"Intermezzo"—A Humorous Scene with Music and Song (Sonnabend).
 5.30—Topical.
 5.50—Announcements.
 5.55—For Housewives.
 6.0—News.
 6.10—Report: Magnesium.
 6.30—Broadcasts of 1937—Radio Reports, Records, and Film Recordings.
 8.0—Motto.
 8.10—Soviet Russia calling!
 8.20 (from Görlitz)—Programme for Germans abroad.
 9.0—News.
 9.15—Interlude.
 9.30-10.30—See Deutschlandsender.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.15 a.m. 5.45 p.m.—10.5 p.m.—See Prague.

BRUSSELS (No. 1)

(Belgium)
 620 kc/s (483.9 m.); 15 kW. 6.30-9.2 a.m.—Records; Gym; News.



François Rasse, who conducts the National Orchestra in the Brussels No. 1 Symphony Concert at 8 p.m.

12.0 noon—Records.
 12.30 p.m.—Weather; Shipping.
 13.35—Salon Orchestra. Conductor: Féron.

1.0—News.
 1.10—Benders Dance Band.
 1.30—Ellen Beauclair (Soprano).
 1.40—Viennese Waltz Records.
 2.0—Art Notes.
 4.55—News.
 5.0—De Hollander (Accordion).
 5.20—Educational Dialogue: Elocution.
 5.40—Liégeois (Violin).
 6.0—Talk: Alfred Martin, Painter.
 6.15—Records.
 6.30—Sonata Romántica (Turina) by Oscar Delvigne (Pfte.).
 7.0—Talk with Records: The Semois River and the Alle District.
 7.15—Brahms Songs by Marguerite Jacques.
 7.30—News.
 8.0—Eighth Symphony (Beethoven) by the Belgian National Orchestra. Conductor: Rasse.
 8.30—Stany Paillot (Songs).
 8.45—Talk: Liberalism.
 9.0—Belgian National Orchestra. Conductor: Rasse. Koch (Violin). Overture, "The Mastersingers" (Wagner). Violin and Orchestra: (a) Poème concertant (Rasse), (b) Andantino and Scherzetto (Rasse). Fêtes (Debussy). Les Préludes (Liszt). March, Solidra (d'Hazet).
 10.0—News; Records.
 10.25—Dance Records.
 11.0—La Brabançonne.

BRUSSELS (No. 2)

(Belgium)
 932 kc/s (321.9 m.); 15 kW. Programme in Flemish.
 6.30-9.5 a.m.—Records; Gym; News.
 12.0 noon—Record.
 12.3 p.m.—Records: Music.
 12.31 p.m.—German Operetta Records.
 1.0—News; Shipping.
 1.10—Salon Orchestra.
 1.30—Records: Songs of the Netherlands.
 2.0-3.15—For Schools.
 4.55—News.
 5.0—Salon Orchestra. Conductor: Féron. In the interval, Records.
 5.45—For Children.
 6.25—Talk.

6.30—Records: Music of the Netherlands.
 6.45—Talk.
 7.0—Records: "The Valkyrie" (Wagner) by Soloists, Choir and Orchestra of the Berlin Opera. Conductor: Blech.
 7.30—News.
 8.0—Record: Mijn Moedertaal (Brandts-Buys).
 8.3—"Het Vrouwje van Stavoren" (Poet). Orchestra. Conductor: Walpot. I.N.R. Choir. Conductor: Gras. Cast: Francine Bruylants, Nini De Boel, Mietje Emmerechts, Marthe Roland, Mia Vigneul, Frans Toutenel, Francis De Paep, Harry Collin, De Decker and Dupont; at 8.45—To be announced.

10.0—News.
 10.10-11.0—Classical Records. Turkish March (Mozart). Tempo di minuetto (Paganini). Ballet Suite (Grétry). Minuet (Boccherini) Moment musical (Schubert), Excerpts, "Les petits riens" (Mozart) Gavotte in G (Bach), Excerpts, "Castor et Pollux" (Rameau). Cello: Melody (Gluck). Excerpts, "The Origin of Design" (Handel). De Vlaamsche Leeuw (Miry).

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania, 160 kc/s (1,875 m.). Transmits at intervals from 5.30 a.m. 4.2 p.m.—Tandin Orchestra; at 5.0-5.15—Art Review.
 5.55—Educational.
 6.10—"The Mastersingers" (Wagner), from the Opera. In the interval—Poems; News; Sports.

BUDAPEST (No. 1)

(Hungary)
 546 kc/s (549.5 m.); 120 kW. Transmits at intervals from 5.45 a.m. 11.5 a.m.—Station Orchestra. Conductor: Eördögh; at 11.30—News.
 12.30 p.m.—Vörös Cigány Band.
 1.40—News.
 3.15—For Students.
 4.0—Sports Notes.
 4.10—Station Orchestra. March (Dohnányi). Carnival Suite (Zádor). Flower Waltz (Tchajkovsky). Rustle of Spring (Sinding). Serenade (Mya). Carnival Miniatures (Kaskel).
 5.0—Talk.
 5.30—Records.
 6.55—Acts II and III, "The Valkyrie" (Wagner) from the Royal Hungarian Opera.
 9.30—Rätz Cigány Band.
 10.0—News in English.
 10.5—Jávör Jazz Band.
 11.5—News.

BUDAPEST (No. 2)

(Hungary)
 359.5 kc/s (834.5 m.); 18 kW. 5.10 p.m.—Act 1, "The Valkyrie" (Wagner).
 6.55—Talk.
 7.25—Records.
 8.30—News.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Band.
 12.0 noon—News.
 12.15 p.m.—See Stuttgart.
 1.0—News.
 1.15-2.0—Sextet, Flute, Pfte.
 2.30—Reading; Markets.
 3.0—A Transylvanian Picture-Book.
 3.25—Light Orchestral. Conductor: Eysoldt. Schrammel Ensemble, Baritone, and Trumpet.
 5.0—Music and Stories by Girls.
 5.30—Talk: Boxing; Snapshots.
 6.0—News.
 6.10—Popular Orchestral. Conductor: Kühn.
 7.0—Max Bruch Commemoration Concert—Station Orchestra. Conductor: Kühn. Kläre Hansen-Grütteffen (Soprano) and Rudi Rhein (Violin). Excerpt, "Achilles." Scottish Fantasia for Violin, Orchestra, and Harp. Ave Maria from "Das Feuerkreuz." Prelude, "Die Loreley."

8.0—Talk: Field-Marshal von Schlieffen.
 8.10—Beerwald (Violin) and Hasse (Pfte.). Sonata in B minor (Bach). Pfte. Pieces (Schubert). Violin and Pfte. Pieces (Hasse). Pfte. Pieces (Hasse).
 9.0—News.
 9.30-11.0—See Deutschlandsender.

DEUTSCHLANDSENDER

(Germany)
 191 kc/s (1,571 m.); 60 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—12.50 p.m.—See Hamburg; at 12.0 noon—Greetings.
 12.50—News.
 1.0—Variety, with Herbert Jäger and Records.
 2.0—Weather; Exchange; Markets.
 2.15—Children's Choir.
 2.35—Girls' Choir.
 3.0—Busch Orchestra; at 4.0-4.10—Topical.
 5.0—Wind Instrument Ensemble.
 5.20—Ludwig, Bodart, and Graener Songs by Maria Matheus and Joseph Maria Hauschild.
 5.50—Talk.
 6.0—Motto; News.
 6.10—"A Waltz on the Ice" (Kuhnert), with the Station Orchestra, etc. Conductor: Riege.
 7.0—Talk: Soviet Russia.
 7.10—Marches—Military Band.
 8.0—"Das glückhafte Schiff von Dorkum"—Play (Tügel).
 9.0—News; Topical.
 9.30-11.0—Station Orchestra. Conductor: Dobrindt; at 9.45—Weather.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Cassel, etc. See Sunday. Transmits at intervals from 5.0 a.m. 11.0 a.m.—1.0 p.m.—See Stuttgart.
 1.0—Time; News; Records.
 2.0-2.15—Talk; Markets.
 3.0—Orchestra. Conductor: Cujé.
 5.0—Topical Talks.
 6.0—Time; News; Mandoline Band and Guitar Trio.
 7.0 (from Cassel)—Opera Music—Orchestra. Conductor: Dörrie. Köth (Tenor) and Abelman (Baritone). Overture and Serenade, "Don Giovanni" (Mozart). Gavotte, "Idomeneo" (Mozart). Aria, "The Scraglio" (Mozart). Ballet, "Rosamunde" (Schubert). Scene and Aria, "Das Nachtlager in Granada" (Kreutzer). Overture, "Die Opernprobe" (Lortzing). Aria, "Die beiden Schützen" (Lortzing). Intermezzo, "Naïla" (Delibes). Drinking Song, "Hamlet" (Thomas). Waltz, "Faust" (Gounod). Aria, "La Traviata" (Verdi). Polonaise, "Eugene Onegin" (Tchajkovsky). Aria, "Prince Igor" (Borodin). Overture, "The Kiss" (Smetana).
 8.15—"Seven Centuries of Strife in the Baltic States"—Sequence with Excerpts from the Works of Dwingen, von Vegesack, Bergenrunder, von Hoerner, Schloss, and Bosse. Music by Schmidt, Schnabel, and Freymann.
 9.0—Time; News; Dance Records.
 11.0-12.0 m't.—See Stuttgart.

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW. Bremen, etc. See Sunday. Transmits at intervals from 5.10 a.m. 11.0 a.m. (from Bremen)—Band and the Bremen Stadtmusikanten; at 12.0 noon-12.15 p.m.—Time; Weather; Review.
 1.0—News; Music.
 2.0—Shipping; Markets.
 2.25—Quintet in E flat (Beethoven), by the Berlin Philharmonic Wind Quintet.
 3.0—Orchestra and Dance Band. In the intervals, Talks.
 5.0—For Children.
 5.10 (from Flensburg)—Folk Songs, Spinnet and Flute Music—Flensburg Women's Choir, Conductor: Ilse Struck (Spinnet). Elisabeth Rossen and Heinz Goudensen (Flutes). Rondo (Cuperin). Three Folk Songs. Movements for Flutes (Telemann). Air (Zelter). Kuckuck sitzt auf hoher Buchen (Marx). Die Henne (Marx). Es ist doch sonderbar bestellt (Erdlen). Schwefelhölzle muss mer han. Minuet (Marpurge).
 5.40—Talk; Weather; Shipping.
 6.0—News.
 6.10—Orchestra from the Deutsches Haus, Flensburg. Conductor: Heinz Schubert. Overture, "The Cid" (Cornelius). Excerpts, "Orpheus and Eurydice" (Gluck). Selection, "Das Wunder" (Humperdinck). Lyric Suite (Grieg). Suite, Romy (Bizet). Slav Dances (Dvořák). Overture, "Hans Heiling"

(Marschner). Italian Serenade (Wolf). Suite, "The Sleeping Beauty" (Tchaikovsky). 8.10—"Die Streiche des Nasreddin Hodscha" (Nasreddin Hodscha's Pranks) - Sequence of Anecdotes about the Turkish Eulenspiegel with Music on Oriental Themes (Faiss). Station Orchestra. Conductor: Arnsperger. Schweisguth and Jakschtat (Songs), etc. 9.0—News. 9.20—U.S.A. Bulletin. 9.30-11.0—See Deutschlandsender.

HILVERSUM (No. 1) (Holland) 160 kc/s (1,875 m.); 10 kW until 2.40 p.m.; 150 kW from 2.40 p.m. Also on Lopikerkapel, 722 kc/s (415.4 m.); 17 kW. 7.40 a.m.—VARA Programme: Records. 9.40—VPRO Service. 10.0-11.40—VARA Programme. 10.0—Recitations and Records. 11.40 a.m.-3.40 p.m.—AVRO Programme. 11.40—Otto Hendriks Orchestra. In the interval, Records. 1.40—Talk. 2.10—The Lyra Trio. 2.55—AVRO Dance Band, Conductor: Mossel. 3.40-7.10—VARA Programme. 3.40—Records. 4.40—For Children. 5.10—Jong (Organ). 5.40—Amateurs. 6.15—Political Review. 6.35—N.V.V. Programme. 7.0—Record; News. 7.10-8.10—VPRO Programme. 7.10—Announcements; Talk. 7.40—Utrecht Chamber Orchestra. 8.10-10.20—VARA Programme. 8.10—Talk. 8.40—Excerpts, "The Magic Flute" (Mozart). VARA Orchestra and Singers, Conductor: v. Roedel. 9.40—Light Music by the Fantasia, Conductor: Walis. 10.10—News; Announcements. 10.20—VPRO Religious Programme. 10.40-11.40—VARA Programme. 10.40—Violette Vulliamy (Pfte.). 11.10-11.40—Records.

HILVERSUM (No. 2) (Holland) 995 kc/s (301.5 m.); 15 kW. until 6.10 p.m.; 60 kW from 6.10 p.m. KRO Programme. 7.40-8.55 a.m.—Records. 9.40—Records. 11.10—Religious Address; Announcements. 1.15—Records. 1.10 p.m.—KRO Orchestra, Conductor: van 't Woud. 1.55—Records. 2.10—Orchestra, Conductor: de Leur; at 2.40-2.55—Records. 3.25—Records: Act 1, "Norma" (Bellini). 4.55—KRO Melodists, Conductor: Lustenhouwer; Klein Jr. (Refrains). 5.40—For Farmers and Gardeners. 6.0—Records. 6.15—KRO Melodists, Conductor: Lustenhouwer, Klein Jr. (Refrains). 6.40—Announcements; Talk; Report; News. 7.55—KRO Orchestra and KRO Boys, Conductor: Salomon. 8.45—From the Caveau De Uilenspiegel. 9.5—KRO Orchestra, Conductor: Salomon. 9.40—Records. 10.10—News. 10.20—Béla Kiss Cigány Band. 10.45-11.40—Records.

KALUNDBORG (Denmark) 240 kc/s (1,250 m.); 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.). Transmits at intervals from 6.0 a.m. 11.0 a.m.-1.0 p.m.—Preil's Ensemble. 1.10—Inge Aasted (Songs). 1.30—Radio Orchestra, Conductor: Tuxen; at 2.15—For Women. 3.30—For Children. 3.50—Announcements. 4.0—Talk: Reading and Literature. 4.25—Weather; Exchange; Markets. 4.50—Records. 5.15—Astronomy Talk. 5.35—German Lessons. 6.0—Time; News. 6.30—Talk: Psychology. 7.0—Time; Review by Per Knutzon. 7.10—Bjornstjerne Bjornson Programme, Augusta Blad and Henrik Malberg (Recitations), Anna Hagen (Songs), Folmer Jensen (Pfte.), Radio Orchestra. 8.30—Handel Concert—Radio Or-

chestra. Conductor: Grøndahl. Ballet, "Alcina." Concerto grosso in E minor. 9.0—News. 9.20—Dance Records. 9.30—Reading. 9.50—Odéon Male Voice Choir. Conductor: Olsen. Faedrelandsang (Homeman). Majvise (Helmuth). Spillemaendene (Ring). Rörande kortspelt pa Klubben (Bellman). Sa junka vi sa smaningom (Bellman). Wer hat dich du schöner Wald (Mendelssohn). In einem kühlen Grunde (Glück). Mein Mädel hat einen Rosenmund (Brahms). Pirates Chorus, "Ernani" (Verdi). 10.15-11.30—Preil's Dance Band; at 11.0—Chimes.

KÖNIGSBERG (Heilsberg) (Germany) 1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.). Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Stuttgart. 1.0 p.m.—News; Anniversaries. 1.15—Variety. 1.55-2.0—Markets. 2.30—Guessing Competition; Talk. 3.10—Orchestra; at 4.0 (approx.), Sports Talk. 4.35—Topical Reports. 5.0—Baroque Music—Station Choir. Conductor: Firschow. Hartung (Organ). 5.35—Violin Sonata (Grieg) by Wilcken. 5.50—Announcements; News. 6.10—Records: Ballads. 7.0—"Ballgeflüster"—Sequence (Hellhoff), with the Börschel Band. 8.0—A Merry Evening in the Schlaütien Camp. 8.30—Talk: Soviet Russia. 9.0—News. 9.20-11.0—Station Orchestra, Conductor: Wilcken.

LEIPZIG (Germany) 785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.). Transmits at intervals from 5.0 a.m. 11.0 a.m.—Band from Ilmenau. 12.0 noon—Time; News. 12.15 p.m.—See Stuttgart. 1.0—Time; News; Exchange; Records. 2.10—Book Report. 2.30—Dances of Three Centuries by Grundeis (Pfte.). 3.0—Orchestra, Soprano, 'Cello; at 4.0-4.10, Time; Weather; Markets. 5.0—Talk. 5.30—Gerhard Schumann (Poems). 5.45—Music. 5.50—For Stamp Collectors. 6.0—News. 6.10—Contemporary Chamber Music—Edith Hasselmann (Soprano), Polack (Pfte.), Lungershausen and Böhme (Violins), Jauch (Viola) and Wawrowski ('Cello). Variations for String Quartet (Knab). Children's Songs (v. Beckcrath). Songs (Zoll). Country Dances (Knab). 6.45—Topical. 7.0—(from Dresden)—Wedding Music of the Nations—Dresden Philharmonic, Conductor: Hilmar Weber. Dresden Soloists' Ensemble. Angela Kolniak (Soprano), Kremer (Tenor) and Wehding (Pfte.). Overture, "Die Hochzeit des Herkules und der Hebe" (Glück). Excerpt, "Undine" (Lortzing). Excerpts, "The Hafner Serenade" (Mozart). Duet and Chorus, "Don Giovanni" (Mozart). Festzug und Reigen (Kretschmer). Three Songs (Schumann). Festlicher Aufzug, from "Hochzeitsmusik" (Jensen). Excerpts, "Hans Heiling" (Marschner). Pfte.: Wedding Day on Troldhaugen (Grieg). Choir: Folk Song from "Der Freischütz" (Weber). Bridal Procession and Wedding Festival (Scharwenka). Duet and Chorus from "Le Postillon de Longjumeau" (Adam). Prelude, Act III and Bridal Chorus, "Lohengrin" (Wagner). Bridal Procession (Schjelderup). Voice and Pfte.: Ritter Kurts Brautfahrt (Wolf). Wedding Waltz (Dohnányi).

9.0—News; Nazi Publications. 9.35-11.0—Dance and Light Music by the Fricke Band.

LILLE (Radio PTT Nord) (France) 1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.30 a.m. 8.0 p.m.—Glorieux Jazz Band. 8.30—To be announced. After the Programme, News.

MONTE CENERI (Switzerland) 1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 11.0 a.m. 6.14 p.m.—Snow Report; Records. 6.45—News. 7.0—Luciano Italiani (Flute) and Nino Herschel (Harpischord). 7.15—Talk. 7.30—Felicani (Violin) and Suzanne Wetzel-Favez (Pfte.). Sonata in G (Porpora). La Caccia (Chibrano-Corti). Violin: Adagio and Fugue from the Sonata in G minor (Bach). Sonata (Debussy). 8.10-9.0—To be announced.

MOSCOW (No. 1) (Russia) 172 kc/s (1,744 m.); 500 kW. 4.30 p.m.—For the Arctic. 5.0—Concert. 6.0—Provincial Programme. 7.0—Dramatic Programme. 8.15—Music. 8.30—News. 9.0—Programme in English. 10.0—Programme in French. 11.0-12.0 m't.—Programme in Spanish.

MUNICH (Germany) 740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.). Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Stuttgart. 12.0 noon—News; Topical; Records. 1.0 p.m.—News; Exchange. 1.15 (from Nürnberg)—Hamer (Baritone) and the Karl Quintet. 2.0—Talk. 2.15-2.35—"Nidula"—Fairy-tale (Webelhorst). 3.0—Watzlik and Pleyer read. 3.25—See Cologne; at 4.0-4.15—Time; Weather; Markets. 5.0—Michael Haydn Chamber Music—Stuhlfauth Quartet, Fricke (Tenor), Romberg (Baritone) and Schoen (Pfte.). Excerpts from the Divertimento in G for String Quartet, Tenor Songs: (a) Cupido, (b) Der Mond. Pfte. Variations in C. Violin and Pfte.: Air in D minor. Tenor, Baritone and Pfte.: Catch. Excerpts from the String Quartet in A. 5.45—Talk: Soviet Russia. 6.0—Time; News. 6.10—Records: Film Music. 7.0-11.0—Music Auction—Concert for the Winter Relief Fund from the Ludwigsbau, Augsburg; at 9.0-9.20—Time; News.

NAPLES GROUP (Italy) Naples, 1,104 kc/s (271.7 m.); 10 kW. Florence (No. 1), etc. See Sunday. 6.0 p.m.—Light Music. 6.15—News. 6.25—Records: Light Music. 7.0—News. 7.20—Government Notes. 7.30—Light Music, Conductor: Selvaggi. In the interval, Talk. 8.40—Sketch. 9.0-10.55—Dance Music; at 10.0—News.

OSLO (Norway) 260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday. Transmits at intervals from 9.30 a.m. 5.20 p.m.—Frölich Swing Quintet. 5.45—News. 6.15—For Farmers. 6.30—Ruth Sommerfeldt Jacobsen (Songs). 6.50—"L'annonce faite à Marie"—Play (Paul Claudel). 8.40—Weather; News; Topical. 9.15-10.0—Walter Schubert Orchestra.

PARIS (Eiffel Tower) (France) 1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 6.30 a.m. 7.0 p.m.—Mme Massenet (Songs); Mme Valentin-Thysens (Pfte.). 7.30—News; Topical. 8.0—Hélène Pignari (Pfte.); Janine Andrade (Violin). Sonata in E minor (Veracini). Pfte.: Variations (Mozart). Romance (Fauré). Danseries (Delvincourt). 8.30—Chamber Music—Blondel Quartet, Mme Turba-Rabier (Songs). Pauline Gordon (Pfte.). Partia (Bach). Waltz, "Dinorah" (Meyerbeer). Hommage à Rameau (Debussy). Notre amour (Fauré). La Flûte enchantée (Ravel). Quartet (Lalo). 9.30—Variety Part. I, Popular Music and Songs by Lise

FRIDAY (January 7) Daniels, Lucien Lovano, Jean Sorbier and Kartun (Pfte.). Part II, "The Tree"—Play (Fauchois) by the Station Players. Producer: Paul Castan. 10.30—Record. 11.0-11.15—News.

PARIS (Poste Parisien) (France) 959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m. 12.0 noon—Exchange. 12.5 p.m.—Records. 12.25—News; Exchange. 12.39—Records; at 1.15—Amusement Guide. 2.0—Exchange; News. 3.45 and 4.35—Exchange. 5.0—News; Cabaret. 6.0—Exchange; News; Talk. 6.13—Records: Pfte. Concerto in A minor (Grieg). 6.53—Talk; Racing. 7.0—Topical; Sports; Amusements. 7.13—Anniversaries. 7.18—Records: A Corsican Choir. 7.45—Claude Dauphin and Baby-las. 7.50—Three Jan Kiepura Successes. 8.0—Topical; Records. 8.25—"Si je gagnais les trois millions," with Davia and the Zepilli Ensemble. 8.40—"La bonne histoire."

9.0-12.0 m't.—"Le Train de Venise"—Three-Act Play (Verneuil-Berr), from the Théâtre Saint-Georges. **PARIS (PTT) (France)** 695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.30 a.m. 2.30 p.m.—Dramatic Programme by Art et Travail Players: (a) "L'Execution" (after Fusier), (b) "Le Père joué" (after the Spanish of Lope de Vega), (c) "Monsieur l'Inspecteur Général" (Raymond). 4.0—Claire Dinville - Guillemet (Songs). 4.15—Reading (Monnier). 4.30—Singing Lesson. 5.0—Locatelli Orchestra, Polonaise in A (Chopin). Pavane and Dance (d'Ambrosio). Divertissements (Tchaikovsky). Old French Airs for Strings (Bye). Au bord d'un ruisseau (Boisdeffre). La mer est plus belle (Debussy). Suite, Callirhoé (Chaminade). Cosatchoque (Dargomizhsky). 6.0—Educational. 6.30—Claude Dorane (Songs). 6.45—Yanne Weltz (Harpischord). Concerto in G (arr. Bach). Three French Carols. Chaconne (Couperin). 7.0—Radio Journal; News. 8.0—Talk: The Centenary of "Lucia di Lammermoor" (Donizetti), with André Balbon (Songs). 8.30 (also Marseilles (PTT) and Alpes-Grenoble (PTT))—"The Evolution of Jazz" From the Quadrille to the Rumba"—Concert from the Salle Gaveau. National Orchestra and Raugel Choir, etc. Conductor: Rosenthal. 10.30—News. 10.45—Fauré Records. L'horizon chimérique. Excerpts, "La bonne chanson."

PARIS (Radio-Paris) (France) 182 kc/s (1,648 m.); 80 kW. 6.28 a.m.—Programmes; Records. 6.40—News; Gym; Records. 7.15—News; Records. 8.0-9.20—News; Notes; Records. 10.15—Programmes; Records. 10.45—Reading; Records. 11.15—Micheetti (Songs). 11.30—Records: "Cavalleria rusticana" (Mascagni). 11.45—Markets; Water Level. 12.0 noon—Jane Evarard Orchestra. Paule d'Ambrosio (Cello). Françoise Kempf (Harp). Second Symphony (Ph. E. Bach). 'Cello: Lament and Gigue (d'Herveloy). Serenade (Beethoven). Images (Tournier). Harp and Strings: Rakastava (Sibelius). 1.0 p.m.—News; Exchange; Markets. 1.30—Mme Turba-Rabier (Songs). 1.45—Jane Evarard Orchestra, Three Songs (Ravel). Pièces brèves (Boëllmann). 2.0—Programmes; Talks. 2.30—Exchange. 2.45—Mme Dinville - Guillemet (Songs). 3.0—Paule Maxence (Pfte.). Toccata and Fugue in C minor (Bach). Pátuwa (d'Indy).

3.15—Talks. 3.45—Exchange. 4.0—Soetens (Violin) and Harsanyi (Pfte.) Sonatas (Honegger, Harsanyi). 4.30—English Lesson. 4.50—Exchange; Markets. 5.0—Chamber Music by the Brussels Wind Instrument Ensemble. Rhapsody (Jongen). Divertissement (Roussel). Suite (Huybrechts). Kleine Kammermusik (Hindemith). 6.0—Educational. 6.15—Film Review. 6.30—For Women. 7.0—Educational. 7.30—Book Talk; Announcements. 7.59—Time; Politics. 8.0—Foreign Affairs. 8.15—Russian Carols and New Year Songs by the Bayan Singers. 8.30—"The Doll's House"—Three-Act Play (Ibsen) from the Théâtre des Mathurins; at 9.30—News; For Ex-Servicemen. 10.45—News; Time. 11.0—Concert. Conductor: Rhéné-Baton. Chefnay (Flute) and Alys Lautemann (Harp). Symphony (Bizet). Flute and Harp Concerto (Mozart). Mirages (Florent Schmitt). 12.30 a.m. (Saturday)—Programmes.

PRAGUE (Czechoslovakia) 638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.15 a.m. 3.35 p.m.—The Prague Quartet. Quartet in A (Zach). Quartet in C (Chlubna). 4.10—Story. 4.25—Cultural Review of the Week. 4.35—Markets. 4.45—News in Russian. 5.0—For Workers. 5.10—German Talks. 5.45—News and Cultural Review in German. 6.0—Time; News. 6.15—See Bratislava. 7.15—"Crocodile"—Play after Dostoevsky. 7.55—Russian Opera Music. Station Orchestra, Guest Conductor: Chalabala. Zofie Napravilová (Soprano), Chorovic (Tenor) and Munchlinger (Bass). Overture, "The Fair at Sorochintsy" (Mussorgsky). Excerpts, "Eugene Onegin" (Tchaikovsky). Arias, "Sadko" (Rimsky - Korsakov). Persian Dances from "Khovanshchina" (Mussorgsky). Arias, "Russalka" (Dargomizhsky). Scene, "Boris Godunov" (Mussorgsky). 8.55—Record. 9.0—Time; News; Snow Report. 9.20—Records. 9.35-10.5—For Sokols.

RADIO-NORMANDIE (France) 1,113 kc/s (269.5 m.); 15 kW. 6.45 a.m.—Military Band. 7.0—Chansonnettes. 7.15—News; Press Review. 7.45—Physical Exercises. 8.0—Music in the Morning. 8.15—Light Music. 8.30—Popular Music. 8.45—Songs. 9.0—Light Music. 9.15—Variety. 9.30—Favourites. 9.45—Popular Music. 10.0—Variety. 10.15—Waltzes. 10.30—Film and Musical Comedy Music. 10.45—"Soldiers"—Music. 11.0—Song Hits. 11.15—Popular Music. 12.0 noon—Concert. 12.45 p.m.—News. 1.0—Concert. 2.0—Fred Hartley Sextet. 2.15—Light Orchestral. 2.30—Popular Music. 2.45—Songs. 3.0—Music of Many Lands. 3.30—Jane and John. 3.45—Light Music. 4.0—What's on in London. 4.15—Dance Music. 4.30—Light Music. 4.45—Popular Music. 5.0—Popular Songs. 5.15—For Children. 5.30—Cigány Band. 5.45—Pantomime. 6.0—Children's Corner. 6.45—Talk; News; Racing. 7.0—Chansonnettes. 7.25—News. 7.45—Records. 8.0—Variety.

FRIDAY (January 7)

8.35—Operetta Excerpts, "A Waltz Dream" (O. Strauss), "Waltzes from Vienna" (Strauss), "Countess Maritza" (Kálmán). 9.0-11.0—Concert. 11.0—Café Concert. 11.45—News. 12.0 m't.—Midnight Melodies. 12.30-2.0 a.m. (Saturday)—Dance Music.

RENNES-BRETAGNE (France)

1,040 kc/s (288.5 m.); 120 kW. Transmits at intervals from 6.30 a.m. 6.30 p.m.—Symphony Concert. Conductor: Henderick. Overture, "Hansel and Gretel" (Humperdinck). Suite, La Nursery (Inghelbrecht). Divertissement on Russian Songs (Rabaud). 7.0—News. 7.30—Light Music from Limoges (PTT). 8.0—News; Records; Talk. 8.30—Concert from Angers. Conductor: Bilewski. Overture, "Galants mousquetaires" (Tavan). Scene Vesuviane (Maruccci). Budapest Czardas (Michiela). Song, Lontanette-Marcietta (Razigade). Saint-Granier Potpourri (Salabert). Au Moulin (Gillet). Song, La Paloma (Yradier). Selection, "Un bon garçon" (Yvain). Spring Song (MenJelsson). Egyptian Serenade (Lincke). Selection, "No, no, Nanette" (Youmans). Waltz, Frühlingsstimmen (Strauss). Pour une princesse (Février). Cadets' March (Souza). 10.30 (approx.)—News. 11.0—See Paris (Radio-Paris).

ROME GROUP (Italy)

Rome (No. 1), 713 kc/s (420.8 m.); 50 kW. Bari (No. 1), etc. See Sunday. Transmits at intervals from 6.45 a.m. 4.0 p.m.—News. 4.15—Lecture by Msgr. Costantini, from the Institute of Roman Study: The Missionary Section of the Rome Exhibition; Concert. In the interval, News.

6.30—Radio Orchestra. Conductor: Filippini. 7.0—News. 7.10—Government Notes. 7.30—Light Music. 8.0—"Il barone di Corbò" (Fucile). Conductor: Mancini. In the intervals. Talk; Notes. 10.0—News. 10.15-10.50—Dance Music.

SOTTENS (Switzerland)

677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.). Transmits at intervals from 11.29 a.m. 5.50 p.m. (from Geneva)—Parliamentary Review. 6.5-6.10—Football Notes. 6.15—Micro-Magazine. 6.50—News. 7.0-10.0—From Geneva. 7.0—Financial Review. 7.20—Romand Orchestra. Conductor: Mathieu. Prelude, "Le Déluge" (Saint-Saëns). Serenade (Larmanjat). Le festin de l'araignée (Roussel). Fantasia on Two Angevin Folk Songs (Lekeu). Masques et Bergamasques (Fauré). 8.35—Interlude. 8.5—"Carlton, Room No. 12"—Play (de Carlini). 9.25-10.0 (approx.)—Hot Jazz.

STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday. Transmits at intervals from 6.5 a.m. 4.5 p.m.—Folk Music. 4.40—Legal Review. 5.0—Göteborg Radio Orchestra. Conductor: Tor Mann. Holmstedt (Flute) and Anderson (Clarinet) Nocturne and Musette (Sibelius). Valse triste (Sibelius). Two Dances (Tor Aublin). Berceuse and Prelude (Järnefelt). Tarantella (Saint-Saëns). Waltz, The Blue Danube (Strauss). Overture, "Orpheus in the Underworld" (Offenbach). 6.0—News.

6.30—Accordion Music. 7.0—From the Clavichord to the Grand Piano—Radio Rhapsody. 8.0—Reading. 8.25—Nordlands Trompet—Song Cycle (Monrad-Johansen) by Gunvor Evju Lie, with Introductory Talk by Jonas Lie. 8.45-10.0—News; Records.

STRASBOURG (France)

859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m. 5.15 p.m.—Chamber Music by Members of the Station Orchestra, and Lise Daniels (Soprano). Excerpts, Concerts Royaux (Couperin). Three Songs (Couperin). Trio for Flute, 'Cello and Pfte. (Rameau). Song, "Diane et Actéon" (Rameau). Two Songs with Viola (Brahms). Flute: Syrinx (Debussy). Two Songs (Aubin). 6.0—Talk. 6.30—See Rennes-Bretagne. 7.0—News. 7.30—Light Music from Limoges (PTT). 8.0—News (German). 8.15—News; Announcements. 8.30—"Frederica" (Lehar). 10.30—News. 10.45—News (German). 11.0—See Paris (Radio-Paris).

STUTTGART (Germany)

574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Symphony Orchestra from Saarbrücken. 12.0 noon—Time; News. 12.15 p.m.—Orchestra (cont'd.). 1.0-2.0—Dance Records. 3.0—Records; Baden-Baden Symphony Orchestra. Conductor: Assmus. 5.0—Animal Picture-Book, with Songs. 5.30—Topical Talks. 6.0—News; Topical. 6.15—Light Orchestral. Marita Gründgens, etc. 7.0—A January Almanac for Huntsmen and Nature-Lovers (Hofmeier-Hoeger). 8.0—Max Bruch Commemoration Concert—Station Choir and Orchestra. Conductor: Steffen. Erb (Tenor). Prelude, "Die Loreley." Dithyrambe for Tenor, Six-Part Choir and Orchestra.

8.30—Dance Records. 9.0—Time; News; Records. 11.0-12.0 m't.—Serenade. Part I: Bach Recital by Herma Studeny (Violin) and Dagnar Benzing (Harpsichord). Partia in D minor for Violin. Sonata in A. Part II: Concert Aria, Ariadne auf Naxos (Haydn) by Yella Hochreiter (Contralto) and Krämer (Pfte.).

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.0 a.m. 6.0 p.m.—Pasodobles. 6.15—Chansonnettes. 6.40—Film Music. 6.55—News; Sports. 7.15—Operetta Airs. 7.45—Songs. 8.0—Light Music. 8.45—Marches. 9.15—"Pourquoi je t'aime"—Fantasy. 9.30—Strauss Waltzes. Kaiser-Walzer. Frühlingsstimmen. Jugendliebe. Wiener Bonbons. The Blue Danube. 10.0—News. 10.15—English Concert. 11.15—Italian Songs. La danza (Rossini). Africanella (Martelli). Parliami d'amore, Mariu (Bixio). Vieni sul mar (Vergine). Fammì sognar (Liberati). 11.35—Light Music. 11.50-12.0 m't.—News.

TURIN GROUP (Italy)

Turin (No. 1), 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday. Transmits at intervals from 6.45 a.m. 3.0 p.m.—Edwin Fischer (Pfte.) from the Royal Academy of St. Cecilia. In the interval, News. 6.30 8.0—See Rome (No. 1). 7.40 Rome (No. 2 only)—News in English. 8.0—Symphony Concert. Conductor: Molinari. Chorus Master: Consoli. Part I, "Nina o La pazza per amore" (Paisiello). I pini di Roma (Respighi). Part II, "Le roi David" (Honegger). In the interval, Topical. 10.0—News. 10.15-10.55—Dance Music.

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday. Transmits at intervals from 5.45 a.m. 4.30 p.m. (from Graz)—Joseph Kolleritsch Concert—Pernerstorfer (Bass-Baritone), Tschauer (Pfte.), Rudolf Wagner (Violin) and Kortschak ('Cello). Songs: (a) Das Letzte, (b) Der schönste Tod, (c) Nachtigall und Rose, (d) Tanzstündchen. Trio in A minor for Violin, 'Cello and Pfte. 5.0—Sports Review; Talks. 5.50—Science Review. 6.0—Time; News; Topical. 6.25—Vienna in Song (arr. Dillmann). Station Band and Schrammel Ensemble. Conductor: Sandauer. Sophie Karst (Soprano). Lenz and Scheimbauer (Old Viennese Duets). 7.0—Reading. 7.5—Russian Wedding—Comedy with Songs (Ilyin-Garai). 9.10—News. 9.20-10.30—Pauscher Jazz Band; at 9.55—Announcements.

WARSAW (Poland)

224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday. Transmits at intervals from 5.15 a.m. 3.15 p.m.—Christmas Carols by the St. Cecilia Choir of the Franciscan Church, Warsaw and Warpechowska (Soprano). 3.50—Topical Talk. 4.0—Reading. 4.15—Polish Chamber Music. Rosenbaum (Pfte.), Lidia Kmita (Violin) and Adamska ('Cello). Rhapsody in D minor (Rózycki). Pfte. Trio in A minor (Malinowski). 4.50—Book Review. 5.0—Snow Report; Sports. 5.10 (from Łódz)—Light Orchestral. 5.30—Programme Notes. 5.35—For Country People. 6.0—Scene from a Play. 6.35 (from Łódz)—Light Orchestral. 6.55—Topical Talk. 7.5—Symphony Concert by the Warsaw Philharmonic. Conductor: Jochum. Claudio Arrau (Pfte.); at 8.0—News; Topical. 9.50-10.0—News.

SATURDAY Jan. 8

NATIONAL

For Time Signals, see Monday. 10.15 a.m. (D)—Service. 10.30 (D)—Weather Forecast. 10.45—Talk, 11.0—Records. 11.45—BBC Northern Orchestra. 12.30 p.m.—Dance and Song Records. 1.0—Theatre Orchestra. 2.0—Records. 2.45—Serge Krish Septet. 3.30—Graham Clifford (Baritone); Alice de Bellerocke (Guitar). 4.0—Short Story. 4.15—Records. 5.0—Marius B. Winter's Band. 6.0—The First News. 6.30—F.A. Cup, Third Round. 6.45—BBC Orchestra (Section C) conducted by Joseph Lewis. 7.30—"In Town Tonight." 8.0—Variety. 9.0—The Third News. 9.20—What Every Listener Knows: Sir Stephen Tallents. 9.30—Dance Music from New York: Joe Marsala and his Chicagoans. 10.0—BBC Military Band. 10.40—"Mystery at Versailles." 11.0—Ambrose and his Orchestra. 11.30—Reginald Foort (BBC Theatre Organ). 11.50-12.0—Late News.

REGIONAL

For Time Signals, see Monday. 10.15-10.45 a.m. (ex. Western)—National. 10.45 (ex. Western)—Cinema Organ. (Western)—National. 11.15 (ex. Western)—Celebrity Trio. 11.45—Records. 12.15 p.m. (ex. Western)—Frank Britten (Pfte.). 12.45 (ex. Western)—"Paris—the Cafés"; Robert Segar. 1.0 (ex. Western)—Records. 2.0 (ex. Western)—Cinema Organ. 2.30 (ex. Western)—Silver Band: Francis Russell (Tenor). 3.25 (Northern)—Rugby. 3.30 (ex. Western, Northern)—Falkman and his Apache Band. 4.15 (ex. Western)—"Encore." 5.0 (ex. Western)—Children's Hour. (Western)—National.

6.0 (ex. Welsh, N. Ireland, Scottish)—English Country Dances. 6.0 (Welsh)—Songs and Penillion. 6.0 (N. Ireland)—Dance Band. 6.0 (Scottish)—First News. 6.25 (ex. Northern, Western)—Walter Widdop (Tenor). 6.25 (Northern)—Recital. 6.25 (Western)—Variety. 6.45 (Regional, Midland, Western; Scottish; 7.5)—Reginald Foort (BBC Theatre Organ). 6.45 (Welsh)—"Sport." 6.45 (N. Ireland)—Dance Records. 6.45 (Scottish)—Sports News. 7.0 (Midland)—"Sport." 7.0 (N. Ireland)—Hockey. 7.10 (Northern)—"Weight Lifting"; Irvine J. Clarke. 7.10 (N. Ireland)—Records. 7.20—Regional Announcements. 7.30—(Regional, Western)—Songs from "The Princess." 7.30 (Midland)—Orchestra. 7.30 (Northern)—Male Voice Choir. 7.30 (Welsh)—Wales News. 7.30 (N. Ireland)—Band: Leslie Graham (Baritone). 7.30 (Scottish)—Scottish Dances. 7.45 (Welsh)—Talk. 8.0 (Regional, Western)—"Forgotten Sports and Great Wagers." 8.0 (Midland)—Song Recital. 8.0 (Northern)—"The Penine Pyx"; Thomas A. Jefferies. 8.0 (Welsh)—BBC Welsh Orchestra: The Regent Male Quartet. 8.0 (Scottish)—"The Week in Scotland." 8.5 (N. Ireland)—Music talk. 8.15 (Northern)—Hirsch Quartet. 8.20 (ex. Midland, Northern, Welsh)—Marie Wilson (Violin); Henry Bronkhurst (Pfte.). 8.20 (Midland)—Eric Blom. 8.40 (Welsh)—Welsh Songs. 9.0 (ex. Welsh)—Billy Mayerl. 9.15 (ex. Western)—The Clyde. 9.15 (Western)—Sports accounts. 9.30 (Western)—Sing-Song. 10.0—News Summary. 10.30 (ex. Western)—Ambrose. 11.30 (ex. Western)—Reginald Foort (BBC Theatre Organ). 11.50-12.0 (ex. Western)—Late News Summary.

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 100 kW. Dublin, etc. See Sunday. 1.30-3.0 p.m.—Records. 5.30—Tea-Time Music by Hilda Shea's Instrumental Trio and Clifford Bradshaw (Songs). 6.35—Irish News Feature. 6.45—News. 7.0—Joseph Milton's Trio. 7.30—Town Hall Tonight, presented by Fay Sargent. 8.15—Radio Diary by Eric Boden. 8.45—William Rafter (Siffleur). 8.55—Fleadh na Nodlag from the Mansion House, Dublin. 9.30—Variety Programme. 10.30—News. 10.50—Fleadh na Nodlag. 11.30—National Anthem.

BARCELONA (EAJ1) (Spain)

795 kc/s (377.4 m.); 7.5 kW. Transmits at intervals from 5.0 a.m. 7.0 p.m.—Song Records. 8.0—Records. 8.15—Literary Programme. 8.30—News; Records. 9.0—Time; News. 9.10—Talk; Records. 11.0-12.0 m't.—News in Foreign Languages.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW. 5.0 a.m.—Motto; Weather Gym. 5.30-7.0—Heyden Band; at 6.0—News. 7.0—Gym; Pfte. Music. 7.30—See Stuttgart. 8.30—Records. 9.0—See Königsberg. 9.30-9.45—Weather; Markets. 10.15—Records. 10.40—Microphone Visit to a Model Farm. 10.55—Weather; Greetings. 11.0—See Breslau. 12.0 noon—Midday Review. 12.15 p.m.—See Breslau. 1.0 p.m.—News; Water Level. 1.15—Globe Band. Kaiser-Walzer (Strauss). Ungarisch (Knümann). Techtel- Mechtel (Munsonius). Serenade (Schulenburg). Alles tanzt Walzer (Ralph). Jeder weiss es besser (Baurose). Ex-

cerpts, Der Prinz von Thule" (Kattig). Schabernack (Glahé). Auf Wiedersehen (Will). 2.15—Exchange; Markets. 2.30—"The New Year"—Songs by Boys and Girls. 2.45—Talk: Reporters. 3.0—See Cologne. 5.0—Krepela Sextet. Poème (Fibich). On Far Shores (Edwards). Minuet (Boccherini). Rätsel der Liebe (Hermann). Accelerationen-Walzer (Strauss). Serenade (Jungherr). Gipsy Patrol (Ranzato). Thermen-Walzer (Strauss). Tango (Edwards). Lass uns träumen (Robrecht). Serenade (Schalin). Tanz der bösen Buben (Krüger-Hanschmann). 6.0—News; Announcements. 6.10—Schubert Records. Sonata for Pfte., Violin, and 'Cello, by the Italian Trio. Songs by Gerhard Hüsch (Baritone). (a) Der Musensohn, (b) Der Wanderer. Wanderer Fantasia by Sigrid Grundeis (Pfte.). 6.45—Evening Review. 7.0—Variety Concert. Small Station Orchestra. Conductor: Willy Steiner; the Krepela Sextet; Fritz Kroeger (Xylophone); Pia and Eddy Hanson (Accordion Duo). Herbert Ernst Groh (Tenor), etc. 9.0—News; Sports. 9.30-12.0 m't.—Dance Music by the Goronzy and Rink Bands.

BEROMÜNSTER (Switzerland)

556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.). 5.30-5.50 a.m. (from Basle)—Gym. 11.0—Records: Bavarian Folk Music. 11.29—Time; News. 11.40 (from Berne)—Records: Love on the Stage. 12.30 p.m. (from Berne)—Weekly Parliamentary Review. 12.45—Records. 1.10-1.30—Book Review. 3.30—Talk: South America, Meltin'-pot of Races—the Earliest Inhabitants. 3.50—Records. 4.0-5.0—See Monte Ceneri. 5.0—Talks.

5.20—Talk: Radio Listeners' Associations. 5.30 (from Basle)—Unfamiliar Chamber Music for Guitar. 6.0—Chimes from Zürich Churches. 6.15 (from Basle)—Time; Markets; Records. 6.30 (from Basle)—Talk: The Evolution of the Film. 6.45—News. 6.55 till Close Down—Programme from Basle. 6.55—Talk: The Spirit and Atmosphere of a Town. 7.10—Opera Parodies. 8.0—"Who is the Culprit?"—Sketch. 9.0—Records: Light Music. 9.30—Reading. 9.35—Dance Records. 10.0-10.5—News.

BRATISLAVA (Czechoslovakia)

1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 5.15 a.m. 11.0 a.m.—For Farmers. 11.10—News; Records. 11.25 a.m.-12.30 p.m.—See Prague. 12.30—Talk; Record. 12.50-1.0—See Prague. 1.0—News (German and Hungarian). 1.15-1.20—Shipping. 2.15—Concert from Moravska-Ostrava. 3.0-4.35—See Prague. 4.35—Topical; Record. 4.50—Cultural Review. 5.0—Hungarian Transmission: "Magic Fire"—Play (Szanto). 5.45-10.30—See Prague; at 9.15-9.30—News (Hungarian).

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz and Görlitz, 1,231 kc/s (243.7 m.). 4.30 a.m.—Records; Weather; Gym. 5.30-7.0—See Berlin. 7.30—See Stuttgart. 8.30—Weather; Greetings. 8.35—For Children. 9.0-9.30—See Königsberg. 10.30—Weather; For Housewives. 11.0—Station Orchestra, Conductor: Weissaupt. Hattwig and Noack-Ihlenfeld (Pfte.). Overture, "The Secret" (Smetana).

SATURDAY (January 8)

Minuet (Bolzoni). Pfte. Duet: Waltz (Kirchner). Serenade (R. Strauss). Oriental Suite (Amadei). Waltz, Ich bin ein Kind vom Rhine (Zeller). March, Schneidige Truppe (Lehnhardt). 12.00 noon—News 12.15 p.m.—Orchestra (contd.).

BRNO (Czechoslovakia) 922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.15 a.m. 12.30 p.m.—Industrial Review.

BRUSSELS (No. 1) (Belgium) 620 kc/s (483.9 m.); 15 kW. 6.30-9.5 a.m.—Records; Gym; News.

foraine. Two Items by a Vocal Quintet, Polonaise and Badinerie from the Suite in B minor (Bach). Finale from the Symphony in G (Mozart). "Entre cour et jardin"—Scene from "Democrite" (Regnard). Jazz Music. Arias, "The Pearl Fishers" (Bizet), and "Lakmé" (Delibes).



Walter Féron, with the Salon Orchestra, which provides light music for listeners at Brussels No. 1 at 5.15 p.m.

BRUSSELS (No. 2) (Belgium) 932 kc/s (321.9 m.); 15 kW. Programme in Flemish. 6.30-9.5 a.m.—Records; Gym; News.

9.0—I.N.R. Orchestra (contd.). Dambois ("Cello"). Overture, "La Scala di Seta" (Rossini). "Cello Concerto (Lalo). 10.0—News. 10.10—Records: "La Traviata" (Verdi). 11.15-12.0 m.t.—Dance Music.

BUCHAREST (Romania) 823 kc/s (364.5 m.); 12 kW. Relay by Radio-Romania, 160 kc/s (1,875 m.). 4.30-5.30 a.m.—To be announced. 11.0—Time; News; Sports; Water Level.

BUDAPEST (No. 1) (Hungary) 546 kc/s (549.5 m.); 120 kW. Transmits at intervals from 5.45 a.m. 11.5 a.m.—Ilonka Ladányi (Arias). 11.30—News.

BUDAPEST (No. 2) (Hungary) 359.5 kc/s (834.5 m.); 18 kW. 4.50 p.m.—For Farmers. 5.25—Ráz Cigány Band. 6.45—Dance Records. 7.15—News. 7.40—Records.

COLOGNE (Germany) 658 kc/s (455.9 m.); 100 kW. 5.0 a.m.—Hymn; Weather; Gym. 5.30-7.0—See Berlin. 7.0—Weather; Talk; Gym.

5.0—Programme Notes. 5.10—Brackweder Evening. 5.50—Snapshots. 6.0—News. 6.10—Concert on Records. 7.0—Winter Relief Concert from the Volksgartenhalle, München-Gladbach, Cologne Station Orchestra, Conductor: Eysoldt; Rosl Seegers (Soprano); Karl Jautz (Tenor); Willy Schneider (Bass-Baritone); Albert Bräu (Saxophone); Walter Pörschmann (Bandonion); Petermann (Compté).

DEUTSCHLANDSENDER (Germany) 191 kc/s (1,571 m.); 60 kW. 5.0 a.m.—Chimes; Weather; Records. 5.30-7.0—See Hamburg; at 6.0—News. 9.0—See Stuttgart. 9.30-10.0—For Children. 10.15—Weather. 10.30—Records: Light Music. 11.0—See Königsberg; at 11.55, Time and Greetings. 12.50 p.m.—News.

FRANKFURT (Germany) 1,195 kc/s (251 m.); 25 kW. Cassel, etc. See Sunday. 5.0 a.m.—Music; Motto; Gym. 5.30—See Berlin; at 6.0—News. 7.0—Water Level; Weather; Gym. 7.30—Records. 8.45—For Housewives. 9.0-9.30—See Stuttgart. 10.30—Programme Notes; Markets; Weather.

4.0—"Artists"—Sequence with Music (arr. Kobler). Helma Kolbe (Soprano); Otto Braun (Pfte.); the Small Station Orchestra, Conductor: Hauck; and Speakers. 5.0—Topical Review. 6.0—Time; News. 6.10—Seefeld Peasant Band. 7.0—Concert from Wiesbaden. Part I. Wagner Music. Frankfurt Station Orchestra, Conductor: Frickhoeffer; Gertrud Rüniger (Soprano); Jean Stern (Baritone). Prelude and Hans Sachs' Monologue, "The Mastersingers." Prelude and Death of Isolde,

"Tristan and Isolde." Ride of the Valkyries and Finale, "The Valkyrie." Part II Opera and Operetta Music. Frankfurt Station Orchestra, Conductor: Curt Moritz; Elisabeth Reichelt (Soprano); Folke Svensson (Tenor). Overture and Aria, "The Merry Wives of Windsor" (Nicolaï). Aria, "Der Freischütz" (Weber). Entr'acte and Gavotte, "Mignon" (Thomas). Aria, "The Bartered Bride" (Smetana). Bell Aria, "Lakmé" (Delibes). Czardas, "Ritter Pasman" (Strauss). Song, "The Gipsy Baron" (Strauss). Tarantella, "Gasparone" (Müllöcker). Perpetuum mobile (Strauss). Song, "The Land of Smiles" (Lehár). Zwanzinette from "Eva" (Lehár). 9.0—News; Sports. 9.30—See Berlin. 11.0-12.0 m.t.—Records: Chamber Music.

HAMBURG (Germany) 904 kc/s (331.9 m.); 100 kW. Bremen, etc. See Sunday. 5.10 a.m.—Motto; Weather; Gym. 5.30—Verdiek Band; at 6.0—News. 7.0-7.20—For Housewives. 9.0—See Stuttgart. 9.30 (from Stettin)—Orchestra, Conductor: Quast. Talk in the interval. 10.40—Ice Report; Weather. 11.0 (from Stettin)—Orchestra. Conductor: Quast. 12.0 noon—Midday Review. 12.15 p.m.—See Breslau. 1.0—News; Musical Variety. 2.0—Weather; Markets. 2.20—Gregor (Organ). Largo from the Symphony, "From the New World" (Dvořák). Two Norwegian Dances (Grieg). Selection, "Schön ist die Welt" (Lehár). 2.50—Ice Report. 3.0—See Cologne. 5.0—War Reminiscences. 5.25—Records: German Marches. 5.50—Weather; News. 6.10—"Who is right?"—Sequence (arr. Kuhlmann). 6.55—Press Review. 7.10—Variety (Recorded). 9.0—News. 9.15—See Cologne. 9.30-12.0 m.t.—See Berlin.

HILVERSUM (No. 1) (Holland) 160 kc/s (1,875 m.); 10 kW until 2.40 p.m.; 150 kW from 2.40 p.m. Also on Lopikerkapel, 722 kc/s (415.4 m.); 17 kW. VARA Programme. 7.40 a.m.—Records. 9.40—VPRO Religious Programme. 10.0—Jong (Organ); Recitations; Music by the Fantasia, Conductor: Walis. 11.40 a.m.-1.15 p.m.—Records. 1.40—Talk. 2.0—Mille T. v. d. Sluys (Songs). 2.25—For Amateurs. 3.0—Records. 3.10—Residentie Orchestra, Conductor: Votto. 4.10—Esperanto Programme. 4.30—Residentie Orchestra (contd.). 5.20—Talk. 5.40—Steyn (Organ). 6.10—For Young People. 6.40—Film. 7.10—VPRO Talk. 7.40—News. 7.55—VARA Orchestra, Conductor: de Groot. 8.40—Dramatic Programme. 8.55—Variety with the Ramblers, Conductor: Masman. 10.10—News; Records. 10.30—Jong (Organ). 10.40—Orchestra, Conductor: de Groot. 11.10-11.40—Records.

HILVERSUM (No. 2) (Holland) 995 kc/s (301.5 m.); 15 kW until 6.10 p.m.; 60 kW from 6.10 p.m. KRO Programme. 7.40-8.55 a.m.—Records. 9.40—Records. 11.10—Religious Address; News. 11.55—KRO Melodists. Conductor: Lustenhouwer. Klein (Refraïns). 12.40 p.m.—Records. 1.0—KRO Melodists (contd.). 1.40—For Young People. 2.10—KRO Orchestra. Conductor: van 't Woud. 2.40—For Children. 3.40—HIRO Programme: Records; Talks. 4.40—KRO Orchestra. Conductor: van 't Woud.

SATURDAY (January 8)

5.10—News in Esperanto.
5.25—KRO Orchestra (contd.).
6.0—Press Review; Records; Announcements; Talk.
7.15—Radio Journal; Meditation.
8.15—Variety Concert. The Seven Jacks Mouth-Organ Band. Mommers (Accordion), KRO Melodists and KRO Boys, Klein (Refrains).

KALUNDBORG (Denmark)

240 kc/s (1,250 m.); 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.).
6.0 a.m.—Time; Gym.
7.30—Cathedral Service.
9.15-9.45—For Schools.
9.58—Weather; Fish Markets.
11.0 a.m.—1.0 p.m.—Chimes; Rydahl Ensemble.
1.15—Gym for Schools.
1.35—Preil's Ensemble.
2.20—Borge Hansen (Pfte.). Variations (Beethoven). Polonaise in A flat (Chopin).

2.40 (approx.)—Preil's Ensemble.
3.30-3.50—For Children.
4.0—Talk: Rent Laws.
4.25—Weather; Exchange; Markets.
4.50—Records. Aria, "Martha" (Flotow). Kilden (Svedbom). Andavano Iontano (Bernhard). Campane (Bixio). Hearts and Flowers (Czibulka). Fate (Ketelbey). On State Parade (Ewing). Sea Shanties: (a) Fire down below, (b) Hullabaloo Balay. La Czarine (Ganne).

5.15—Talk.
5.35—French Lesson.
6.0—Time; News.
6.30—Talk: Short-Waves.
7.0—Roussel Concert—Radio Orchestra. Conductor: Tuxen. Suite No. 1, "Padmavati." Sinfonietta. Excerpts, "Le festin de l'araignée."
7.40—To be announced.
7.50—Wayse Trios by a Women's Vocal Trio. Konning Volmer drager afsted paa Jagt. De Bølger rulle saa tungt afsted. Rullende hemad de støvede Veje. Vinden vifter. Den korte Sommerat. Hvi staar du saa ensomt, o Birkertrac? Sig, hvor er Violen blaa.

8.10—Radio Orchestra. Conductor: Tuxen. Overture, "Phédre" (Massenet). Selection, "Tief-land" (d'Albert). Romance in C (Sibelius). Spanish Caprice (Rimsky-Korsakov).
9.0—News.
9.20—Modern English Satire (arr. Kai Friis-Møller) by Egill Rosttrup.
9.45—English Music—Radio Orchestra. Conductor: Tuxen. Overture, "The Mikado" (Sullivan). Excerpts from the Serenade for Strings (Elgar). Gipsy Suite (German).

10.15-12.0 m't.—Dance Music; at 11.0—Chimes.
KÖNIGSBERG (Heilsberg) (Germany)
1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.).
5.0 a.m.—Weather; Records; Gym.
5.30-7.0—See Berlin.
7.0—Prayers; Gym.
7.30-8.30—See Stuttgart.
9.0-9.30—"The Young Frisian"—Sequence (Sacken).
9.45—Weather; Ice Report.
10.35—Talk: Between Town and Country.
10.50—Markets; Weather.
11.0—Station Orchestra, Conductor: Kaestner; at 12.0 noon—Time, Weather and News.
1.0 p.m.—News; Anniversaries.
1.15-2.0—Variety.
2.30—Talk for Women.
2.40—"Krach im Müllkasten"—Sketch (Haushalter).
3.0—See Stuttgart.
5.0—Sports.
5.15—Small Station Orchestra, Conductor: Wilcken. Italian Suite (Beccce). Balkan (Knümann). Hungarian Songs (Lehár). Spanish Suite (Börschel).

5.50—Local News.
6.0—Weather; Road Report; News.
6.10—Peter Arco, with the Börschel Band.
7.0—"Fellow-Countrymen"—Sequence, with Dr. Lau.
8.0—"The Mote in the other Man's Eye"—Sequence (arr. Bartels) with the Small Station Orchestra, Conductor: Wilcken, Singers, etc.
9.0—Weather; Road Report; News.

9.15—See Cologne.
9.30—Weekly Sports Bulletin.
9.40-11.0—Dance Music from Munich.

LEIPZIG (Germany)

785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.).
5.0 a.m.—Weather; Gym.
5.30-7.0—See Berlin; at 5.50—Notes for Farmers; Snow Report; News.
7.0—Gymnastics.
7.20—Flute and Pfte.
7.30-8.30—See Stuttgart.
8.55—Water Level.
9.0—See Stuttgart.
9.30-9.45—Weather; Programmes.
10.35—Anniversaries.
10.40—Talk; Weather.
11.0—See Breslau.
12.0 noon—Time; News.
12.15 p.m.—See Breslau.
1.0—News; Exchange.
1.15 (approx.)—Dresden Soloists Ensemble. Tarantella (Rossi-mann). Romance (Rust). Tanzende Violine (Löhrl). Bolero (Solazzi). Waltz (Hermann). Leghorn Serenade (Schünemann). Pfte.: Miniatures (Wedding). Styrian Dance Suite (Pot-peschnigg-Büchel). Oriental Grotesque (Pfeuffer). Serenade (Drdla). Dance Rhapsody (Knümann). Italian Gondola (Kockert). Seerosen (Königshofer). Tanzendes Leben (Kletzki).

2.20—For Children.
2.50—Weather; Markets.
3.0—See Cologne.
5.0—A Modern Dictionary.
5.15—Folk-Music. "Harmonie" Mandoline Band, Conductor: Dombdera; "Böhme Accordion Band"; Borgelt Mouth Organ Ensemble. Mandolines: Spielmann singt (Gorisch). Accordions: Russian Village Waltz (Kluge). Mandoline Concerto in C (Kollmaneck). Accordions: Friesenlied (Kranng-Mahr). Mouth Organs: Bauernhochzeit (Herold). Accordions: March, Fürs Vaterland (Bestgen).
6.0—News.
6.10—Light Classical Records.
7.30—An Evening in a Ski-ing Hut in the Oberwiesenthal.
8.0-11.0—Radio Leipzig Ball. Fricke Dance Band; Station Orchestra, Conductor: Kretzschmar; and Gustav Jakob; at 9.0-9.20—News.

LILLE (Radio PTT Nord) (France)

1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.30 a.m.
4.0 p.m.—Dehette and Duchéne (Jazz Pianists).
5.0—Talk.
5.30—Records: Overture, "Le roi d'Ys" (Lalo), by the Berlin Philharmonic. J'aime le son du cor (Flégier). Hungarian Rhapsody (Liszt-Doppler), by the Hallé Orchestra. Conductor: Sir Hamilton Harty. Ballet, "Giration" (Piercé) by Soloists of the Colonne Concert Society.
6.0—For Housewives.
6.10—Talks; Records; Sports.
7.10—Talk in English.
7.25—Record: In a Clock Store (Orth), by the Salabert Orchestra.
7.30—News.
8.0—Dance Music—Jean and Jules Prez (Accordions).
8.30 (also Limoges (PTT) and Toulouse (PTT))—"Le malade imaginaire"—Comedy (Molière), from the Comédie Française, Paris. Introduction by Edmond Sée. After the Programme, News.

LYONS (PTT) (France)

648 kc/s (463 m.); 100 kW. Transmits at intervals from 6.30 a.m.
7.0 p.m.—Poems.
7.30—News.
8.0—Songs.
8.30—See Paris (Eiffel Tower). After the Programme, News (French, German).

MONTE CENERI (Switzerland)

1,167 kc/s (257.1 m.); 15 kW.
11.0 a.m.—Announcements; Records.
11.29—Time; News.
11.40 a.m.—12.30 p.m.—Records.
4.0—Sinigaglia Concert. Radio Orchestra. Conductor: Casella. Chiarina Fino-Savio (Soprano)

and the Composer (Pfte.). Piedmontese Folk Songs: (a) La pastora fedele, (b) Il cacciatore del bosco, (c) Il maritino, (d) Ninna-nanna di Gesù Bambino, (e) Il pellegrino di S. Giacomo. Per boschi e campi. Un balletto rustico from the Suite, Piemonte. Songs: (a) Canto dell'Ospite, (b) La Tregua. Studio-Capriccio, Scherzo, Piedmontese Dance, Overture, "Le Baruffe Chiozzotte."
5.0—For Children.
5.30—Hans Geiger and Klara Schönerberger (Accordions). Hymn of Thanksgiving (Claude). Spring's Awakening (Zimmermann). Duet in C (Pleyer).

5.45—English Lesson.
6.0—Records.
6.45—News.
7.0—Records, Titta Ruffo (Bari-tone).
7.15—Talk.
7.30—Radio Orchestra and the Riva S. Vitale Duo. March, San Lorenzo (Silva). Sc avessi un mandolino (Marf-Leo). Waltz, "The Merry Widow" (Lehár). Polca brillante all'antica (Riva). March, Amori allegri (Kutsch-der). Mazurka, Rose di macchia (De Biasi).
7.50—"Do' Tossann e Quatter Ciaccr"—Sketch (Corradino Cima).
8.20—Orchestra and Duo (contd.). March, Le donne al congresso (Agostini). Puppenwalzer (Bayer).
8.30-9.15—Dance Music from St. Moritz.

MOSCOW (No. 1) (Russia)

172 kc/s (1,744 m.); 500 kW.
12.0 noon—Programme in Dutch.
5.0 p.m.—Talk.
5.30—Literary Programme.
5.45—Concert.
8.30—News.
9.0—Programme in French.
10.0-12.0 m't.—Programme in Spanish.

MUNICH (Germany)

740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.).
5.0 a.m.—Motto; Weather; Gym.
5.30-7.0—See Berlin.
7.0—Motto; Gym.
7.30-8.30—See Stuttgart.



Maurice Dambois, who plays the Lalo 'Cello Concerto at Brussels No. 2, at 9 p.m.

9.0-9.30—See Königsberg.
10.0—For Country People: Markets; Records; Talk; News; Records.
11.0—Orchestra from Augsburg, Conductor: Schmidt-Bresten. Strobel (Saxophone); Lehnsantf (Xylophone). Overture, "Die Fledermaus" (Strauss). Schenk man sich Rosen (Zeller-Ortleb). Waltz, Annelies (Jungherr). Mil-löcker Potpourri (Weninger). Saxophone: Indiscerion (Reindl). Waltz, Gladiolen (Löhrl). Polka, Vor Anker (Jung-her). Xylophone: Gallop, Hase und Igel (Löhrl).

12.0 noon—Time; News.
12.15 p.m.—Small Station Orches-tra, Conductor: Mihalovic (Violin). Overture, "Donna Chiquita" (Winkler). Violin: (a) Nordische Nacht (Vessey), (b) Die Biene (Schubert). Ein Abend in Toledo (Schmeling). Waltz, Schneeballen (Ziehler). Masker-ade (Lindner). Tango, Jalousie (Gade). Silberglockchen (Kap-pusch). Unsere Kleinsten exer-zieren (Bähre).
1.0—News; Exchange.
1.15—Weekly Sports Bulletin.
1.25 (from Nürnberg)—Orchestra, Conductor: Böhm; Mimi Weil-gony (Soprano); Hildegard Dür-beck (Pfte.). Overture, "Jenny

Bell" (Auber). Selection, "The Bird Fancier" (Zeller), and "Der Obersteiger" (Zeller). Zärtliches Intermezzo (Damp). Waldesrauschen (Liszt). Hun-garian Ballet (Ailbout). Waltz, Temperamente (Prager). Song, "Der Bettelstudent" (Mil-jöcker). Eisblumen (Leuschner). La Campanella (Liszt). Waltz, Dunkle Schatten (Lindemann). Hella-Ouverture (Pauspertl).
2.40—Reading (Dreyer).
3.0—See Cologne.
5.0—Weather; Markets.
5.10—Lilly Preisig (Soprano); Leopolder (Pfte.). Scherzo in C sharp minor (Chopin). Songs (Grieg): (a) Am schönsten Sommerabend war's, (b) Verborgene Liebe, (c) Die verschwie-gene Nachtigall, (d) Der Jäger. Sonata in D (Mozart).

5.45—Topical Talk.
6.0—Time; News.
6.10—Variety. Part I. Inge Vesten (Songs); Willy Reichert (Entertainer); Ernst and Fred (Songs to the Guitar); Alfons Tiefen-böck (Pfte.); Wörthmüller Quintet. Part II. A Munich Picture Book (arr. Schwerla).
8.0—Winter Relief Concert.
9.0—News; Sports.
9.20-11.0—Dance Music. Station Dance Band, Bajan Balalaika Quintet, Kusche and Schmid-meier (Pfte. Duo).

NAPLES GROUP (Italy)

Naples, 1,104 kc/s (271.7 m.); 10 kW. Florence (No. 1), etc. See Sunday.
6.0 p.m.—Music and Songs.
6.15—Topical.
6.25—Music by the Virtuosi Cam-pagnoli.
7.0—Time; News; Talk.
7.30—"The Rose of Stamboul" (Fall). Conductor: Gallino. Cast: Renata D'Anici, Dirce Marella, Amelia Mayer, Enzo Giannotti, Angelo Zanobini, Ernesto Corsari and Umberto Mozzato. Talk in the interval.
9.0 (approx.)—Dance Music.
10.0—News.
10.15-10.55—Dance Music.

OSLO (Norway)

260 kc/s (1,153.8 m.); 60 kW. Fredrikstad, etc. See Sunday.
7.0—Transmits at intervals from 9.30 a.m.
3.0 p.m.—Records.
3.45—Announcements.
4.5—For Children.
4.35—Variety Programme.
5.45—News.
6.15—Records.
6.30—Talk.
7.0—Light Concert. Station Or-chestra, etc.
8.40—Weather; News.
9.0—Topical Talk.
9.15—Old Dance Music.
9.45-10.30—Modern Dance Records.

PARIS (Eiffel Tower) (France)

1,456 kc/s (206 m.); 7 kW. Transmits at intervals from 6.30 a.m.
6.30 p.m.—The Seven Deadly Sins in Drama, presented by José Germain—Envy: Scenes from "Macbeth" (Shakespeare), "Le philosophe marié" (Destouches), "Le Luthier de Crémone" (Coppée), and "Jazz" (Pagnol).
7.0—Maria Brančez (Songs); Ben-venutti (Pfte.). Songs: (a) Jota (Falla), (b) Cantares (Turina). Pfte.: (a) Evocacion (Albeniz), (b) El Puerto (Albeniz). Songs: (a) J'allais par les chemins per-fides (Aubin), (b) La Danza (Rossini).
7.30—News; Topical; Time.
8.0 (also Bordeaux-Lafayette, Lyons (PTT) and Montpellier (PTT))—"Roland et le mauvais garçon" (Rabaud), from the Opera.

PARIS (Poste Parisien) (France)

959 kc/s (312.8 m.); 60 kW.
7.10 a.m.—Records.
7.30—News; Records.
8.10—Menus; Records.
8.30—News; Records.
9.45—Records: La Kazanova Cigány Band.
10.5—Records.
11.30—Talk.
11.45—Topical Sequence.
12.0 noon—Exchange; Records: Solas Orchestra.
12.25—News.
12.35—Lajarrige (Cinema Organ).
12.50—Records.
1.15—Amusements; Records.
1.30—Exchange; Records: Ray Ventura Orchestra.
1.50—Antoinette Soulas.
1.55—News.
2.0—Records: Livschakoff Orches-tra.

2.35—Talk; Records.
3.0—Variety.
4.35—Exchange.
6.0—Exchange; News.
6.10—Roman Catholic Review.
6.30—For Young People.
6.58—Racing.
7.0—Foreign Press Review.
7.10—Sports; Amusements.
7.17—Records: Jazz Band.
7.45—Records: "Rip Van Winkle" (Planquette-Meilhac).
8.0—Topical.
8.10—Georges de la Fouchardière and Clément Vautel.
8.15—Max Regnier and Company.
8.45—"La bonne histoire."
9.0—News.
9.10—Paris—"The Latin Quarter"—Sequence.
9.25—Dance Music.
9.55—News.
10.5-11.0—Dance Music.

PARIS (PTT) (France)

695 kc/s (431.7 m.); 120 kW.
6.30 a.m.—News; Records.
7.0—News; Records.
7.45—News; Press Review.
8.15-8.45—Dance Records; Talk.
9.30—Cécile Sonneys (Songs).
9.45—Records.
10.0—Jacbara Orchestra. Overture, "Semiramide" (Rossini). Roses of Picardy (Wood). Dance of the Hours, "La Gioconda" (Pon-chielli). Ronde d'amour (Cham-nade). Foxtrot, Little Ricky (Elling). Feuillage dans le vent (Jacbara). Selection, "A Waltz Dream" (Straus). Finale, Sur-prise Symphony (Haydn). Ser-rana mia (Lissorgues). Foxtrot, Mother used to matter (Brod-szky). Selection, "Les Saitim-banques" (Ganne). Moineux tapageux (Goublier). Triana (Schwetz); at 11.0—René Talba (Songs).

11.45—Yatove Orchestra. Sketches in the intervals.
12.45 p.m.—News.
1.0—Yatove Orchestra.
1.45—Tourist Report.
2.10—Theatre Review.
2.30—Concert for Hospitals. De-prince Orchestra, Mme. Nathan (Pfte.). Cardé and Varennes (Songs). Part I: Pfte.: (a) Valse romantique (de Séverac), (b) Novallette (Schumann), (c) Le petit âne blanc (Ibert). Part II: Songs: (a) Dans le parc (de la Presle), (b) L'église du village (de la Presle), (c) La petite île (Mireille). Part III: Orchestra. Part IV: Songs.
3.30—Literary Review; Talk.
4.0—Aviation Review.
4.15—Colette Gaveau (Pfte.). Nine Folk Dances (arr. Dragoi). Dance (Tcherepinin).
4.30—Raymonde Astor (Songs): Si vous l'aviez compris (Denza). Réverie (Hahn). Les Roses d'Ispahan (Fauré). Song, "Mademoiselle Nitouche" (Hervé).

4.45—Garnier (Saxophone). Romance (Gaubert). Excerpt, "Le Jongleur de Notre-Dame" (Mas-senet).
5.0—Colonne Concert. Conductor: Paray. Pernet (Songs). Overture, "Le roi d'Ys" (Lalo). Pfte. Concerto (Tchaikovsky). Four Songs (Laparra). Petite Suite (Debussy). Selection, "Boris Godunov" (Mussorgsky). Bolero (Ravel).
6.50—Dance Records.
7.0—Radio Journal; News.
8.0—Ricardo-Duarte Trio, pre-sented by Christian Schwabcl.
8.30-10.30—Soirée tourmente.
8.30—Popular Concert, with Renée Camia (Songs). Burlesque (Rivier). Songs, "Madame l'Archiduc" (Offenbach). Ballet, "Cendrillon" (Massenet).

9.10—"Fairlyland"—Excerpts, "Riquet à la Houppe"—Play (de Banville), with Madeleine Renaud, Pierre Bertin, Jean Perier, Jeanne Lamy, Renée Bourgeois, Renée Garcia, Jean Deninx, Roger Dathys, Georges Flateau, Maurice Varny and Pierre Heral.
9.50—Variety. Part I: Don Ramon Orchestra. La Rumbaonga (Gott-lieb). Foxtrot, Chinatown (Gershwin). Rumba, Ma Chi-quita (Riester). Part II: Act 2, "La roue tourne"—Fantasy in Two Acts (Blot). Part III: Don Ramon Orchestra. Foxtrot, Let yourself go (Berlin). Rumba, Alma de chichi (Gottlieb). Fox-trot, This Year's Kisses (Berlin).
10.30—News.
10.45—Symphonic Variations (Frank) by Cortot and the Lon-don Philharmonic. Conductor: Sir Landon Ronald (Recorded).

11.0 till Close—See Paris (Radio-Paris).

PARIS (Radio-Paris)

(France) 182 kc/s (1,648 m.); 80 kW. 6.28 a.m.—Programmes; Records. 6.40—News; Gym; Records. 7.15—News; Records. 8.0—News; Notes; Records. 9.45—Records; Kol Nidrei (Bruch). Chant hassidique (Milhaud). Hebrew Songs (Ravel). 10.0—Records: Galatea and Marguerite in Music. Overture, "The Lovely Galatea" (Suppé); Two Songs, "Galathée" (Massé). Two Arias, "Faust" (Gounod). Aria, "The Damnation of Faust" (Berlioz). 10.30—Records; Reading. 11.0—Records of Ninon Vallin (Songs), and of Light Music. 11.30—Lucienne Boyer (Songs). Ne dis pas toujours (Lenoir). Dans la fumée (Bos). J'ai rêvé de t'aimer (Goublier). Dans le petit café du coin (Bayle-Bos). 11.45—Markets; Water Level. 12.0 noon—Jeanne Jaspas (Pfte.). Adagio and Allegro (Galuppi-Fasano). Crépuscule au lac Ogwen (Jongen). Chant de l'amio (F. Schmitt). 12.15 p.m.—Orchestra—Conductor: Giardino. March (Schubert). Overture, "Preciosa" (Weber). Selection, "Andrea Chénier" (Giordano). Spanish Dances (Moszkowski). 1.0—Time; News. 1.15—"Dolly" (Fauré) by the Orchestra. Conductor: Giardino. 1.30—Lovano (Songs). La légende de la Sauge (Massenet). Ma poupée chérie (de Séverac). Infidélité (Hahn). Testament (Clergue). 1.45—Suite (Guiraud) by the Orchestra. Conductor: Giardino. 1.58—Programmes; Educational. 2.30—Markets; Colonial Talk. 3.0—Yvonne Aubert (Songs). 3.15—Topical; Aviation. 3.45—Courtiade (Songs). Poème de mai (Dubois). Après (Mazellier). Ronde d'amour (Chaminade). Automne (Fauré). 4.0—Talk: Léo Ferrero. 4.15—Impressions of America. 4.30—Talk: Animals. 4.40—Talk: 1838. 4.50—Markets. 5.0—For Children. 5.45—Marcelle Samson (Songs). 6.0—Dramatic Programme. 6.30—Weekly Review. 6.35—Science Talk. 6.50—Talk: Dancing Displays. 6.58—Programmes; Educational. 7.30—"La Pace" (The Peace)—Sketch in Esperanto after Aristophanes (Darnault), by the Paris Esperanto Players. 7.59—Time; Politics. 8.8—Foreign Affairs. 8.15—Dance Records. 8.30-10.30—Soirée tournante. 8.30—"Fairylad"—Excerpts from Acts II, III and IV, "A Midsummer Night's Dream"—Play (Shakespeare, trans. Victor Hugo), with Madeleine Renaud, Lucien Pascal, Georges Plateau, Guy Parzy, Maurice Varny, Barencey, Suzanne Reinhardt, Paulette Marinier, etc. 9.10—Variety. Part I: Don Ramon Orchestra. Rumba, Casita Blanca (Hernandez). Foxrot, Zero, But (Gottlieb). Rumba, Amapola (De Lacalle). Part II: Act I, "La roue tourne"—Fantasy in Two Acts (Blot). Part III: Don Ramon Orchestra. Foxrot, Gone (Waxman). Rumba, Caballero silencio (Anon.). Foxrot, Doin' the Uptown (Revel). 9.50—News; Review in Verse. 10.5—Symphony Concert, with Renée Camia (Songs). Songs, "Véronique" (Messenger), "Malvina" (Hahn), "The Girl in the Taxi" (Gilbert), and "Marietta" (O. Straus). Suite, "Le train bleu" (Milhaud). 10.35—Programme Notes. 10.45—Time; News. 11.0—Bouillon Dance Orchestra. 1.0 a.m. (Sunday)—Programmes.

PRAGUE (Czechoslovakia) 638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.15 a.m. 11.0 a.m.—For Farmers. 11.10—Water Level; Records. 11.25—News. 11.35 a.m.-12.30 p.m.—Orchestra and Male Voice Choir from Kosice. 12.30—For Workers; Records. 12.50—Exchange and Weather in German. 1.0-1.20—German Transmission: Variety. 2.15—Vocal and Orchestral Concert from Moravská-Ostrava. 3.0—Weather. 3.5—Play for Children, from the Acropolis Theatre, Prague-Zizkov.

4.35—For Farmers. 4.45—For Workers. 4.55—German Transmission: Sports Notes; Variety on Records. 5.45—News and Topical Talk in German. 6.0—Time; News. 6.20—Military Band. Conductor: Thier. March (Uhlir). Waltz (Balling). Overture, "Poet and Peasant" (Suppé). Song (Hejzlar). Intermezzo, Midnight Dance of the Dolls (Oberthor). Dance (Aust). Polka, Milada (Ridky). March (Rehor). 7.5—Programme Notes for 1938—Czech Station Directors at the Microphone. 7.25—New Year's Eve Echoes—Variety. 8.55—Record. 9.0—Time; News; Records. 9.30-10.30—Muzik Orchestra from the Flora Café. Selection, "A Queen in Love" (Brotsky). Japanese Lantern Dance (Yoshitomo). Selection, "Tosca" (Puccini). The Clock is playing (Blaauw). Pfte.: Waltz (Chopin). Waltz (Ceregoli). Foxrot (Semerini). Gondoliera (Zamrzla). Potpourri (Morena). Song (Friml). Argentine Tango (Ceregoli). La Lumina (Trojan).

RADIO-MEDITERRANÉE (France) 1,276 kc/s (235.1 m.); 27 kW. Transmits at intervals from 12.15 p.m. 7.0 p.m.—Talk: Provence. 7.15—Variety. 7.30—Request Programme. 8.0—News; Exchange. 8.15—Orlando Orchestra. 8.25—Light Music. 8.40—Songs and Dances. 9.0—Talk; Weather. 9.10—Variety. 10.0—News. 10.15—Dance Music.

RADIO-NORMANDIE (France) 1,113 kc/s (269.5 m.); 15 kW. 6.45 a.m.—Military Band. 7.0—Chansonnettes. 7.15—News; Press Review. 7.45—Physical Exercises. 8.0—Music in the Morning. 8.15—Film and Theatre Music. 8.30—Happy Days. 8.45—For Children. 9.0—Light Music. 9.15—Popular Music. 9.30—Variety. 9.45—Popular Tunes. 10.0—Light Music. 10.15—Negro Songs. 10.30—Light Music. 10.45—Popular Music. 11.15—Variety. 11.30—Chansonnettes. 12.0 noon—Le Havre Follies Bergères. 12.45 p.m.—News. 1.0—Concert. 1.40—Xylophone. 2.0—Music from Many Lands. 2.30—Variety. 2.45—Light Music. 3.0—Film Fantasy. 3.15—Vocal Duets. 3.30—Dance Music. 4.0—Swing Music. 4.15—Trailer of Next Week's Programmes. 4.30—Waltzes. 4.45—Popular Music. 5.0—Light Orchestral. 5.30—Dance Music. 5.45—Variety. 6.0—Children's Corner. 6.45—Talk; News; Racing. 7.0—Light Music. 7.25—News. 7.45—Programme Trailer. 8.0—Concert. 8.40—Revue from the Théâtre Français, Rouen. 11.55—News. 12.0 m't.—Midnight Melodies. 12.30 a.m. (Sunday)—Songs. 12.45-2.0—Dance Music.

RENNES-BRETAGNE (France) 1,040 kc/s (288.5 m.); 120 kW. Transmits at intervals from 6.30 a.m. 12.15 p.m.—Concert from Lyons (PTT). 12.45—News. 1.0—See Strasbourg. 1.45—Talks. 2.0—Educational. 3.0—Concert from Angers. Conductor: Bilewski. Overture, "Mignon" (Thomas). The Cuckoo (Daquin). La pluie (David-Holzhaus). Selection, "Samson and Delilah" (Saint-Saëns). Tennis Flirt (Porret). Suite from Scaramouche (Messenger). Bruissement sous bois (Razigade). Chanson gaie (Staub). Waltz, España (Waldteufel). 4.0—See Lille (Radio PTT Nord). 5.0—See Paris (PTT).

6.30—Sports Talk. 6.45—News in English. 7.0—News. 7.30—Concert from Angers. Conductor: Bilewski. Overture, "Il sogno di Scipione" (Mozart). Turkish Suite (M. Haydn). Divertissement (Ibert). 8.0—News; Records. 8.20—See Strasbourg. After the Programme, News; Concert from Paris.

ROME GROUP (Italy) Rome (No. 1), 713 kc/s (420.8 m.); 50 kW. Bari (No. 1), etc. See Sunday. 6.45 a.m.—Gym. 7.0-7.20—News. 10.30—Ferruzzi Orchestra. 11.30—Sports; Light Music. 12.0 noon—Time; News. 12.15 p.m.—"From A to Z"—Musical Encyclopædia (Marchesi). 12.40—A Film. 12.50—Light Music. 1.0-1.15—News. 3.40—For Children. 4.0—News. 4.15—Dance Music. 4.45—Talk for Workers. 5.10-5.50—Rural Programme. 6.20—Dopolavoro Notes. 6.30—Mapicini Orchestra. 7.0—Time; News; Talk. 7.40—Light Music. 8.0—"L'ora di farsì biondi"—Three-Act Play (Datri). 9.15—Livio Boni (Cello). Topical Talk in the interval. 10.0—News. 10.15-11.30—Dance Music.

SOTTENS (Switzerland) 677 kc/s (433.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.). 11.29 a.m.—Time; News. 11.40—Records. 12.0 noon—Skiing Report. 12.10-1.0 p.m.—Canaro Dance Band from the Hotel Splendid, Lausanne. 4.0-5.0—See Monte Ceneri. 5.0—Lausanne Cathedral Chimes. 5.10—For Children. 5.45—Records. 6.0—Labour Office Report. 6.10—Reading: Poetry and Prose. 6.20—Talk by Jacques Lador. 6.30—Music. 6.50—News. 7.0—Symphony Concert. Radio Suisse romande Orchestra. Pierre Fournier (Cello). The Scottish Symphony (Mendelssohn). Slav Rhapsody for Cello and Orchestra (Kajinsky). Three Pieces for Wind Instruments (Roussel). Concertino for Cello and Orchestra (Roussel). Carnival Overture (Weinert). 8.30—Play by the Compagnie des Deux-Masques. 9.15-10.0—Canaro Dance Band from the Hotel Splendid, Lausanne.

STOCKHOLM (Sweden) 704 kc/s (426.1 m.); 55 kW. Motala, etc. See Sunday. Transmits at intervals from 6.20 a.m. 11.25-11.50 a.m.—Light Music. 12.0 noon (from Malmö)—Gunnar Andersson Orchestra. 1.0 p.m.—Talk. 1.30—Military Band. Conductor: Lindedal. Piece (Kockert). Overture, "Die Jagd nach dem Glück" (Suppé). Pa fjället i sol (Peterson-Berger). Sommarfrid i Solelid (Widén). Waltz, Mon rêve (Waldteufel). Tre låtar från Sodra Kinds härad (Löfgren). Piece (Grieg). Schubert Potpourri (Urbach). 2.30—For Children. 3.0—Pfte. Trio in B minor (Heintze) by Lottie Andréason (Violin), Carl Christiansen (Viola) and Witowsky (Pfte.). 3.30—Reading. 4.5—Records. 5.0—Talk. 5.30 (from Malmö)—Asta Lindelöw (Swedish Folk Songs). 5.45—"Engineer Björck and Family"—Sketch (Alice Svenski). 6.0—News. 6.30—Cabaret. 7.30—Talk. 8.0 (from Göteborg)—Old Dance Music. 8.30—Topical; News. 9.0-10.0—Station Dance Band.

STRASBOURG (France) 859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.30 a.m. 12.15 p.m.—Records: Light Music. 12.35—News; Time. 12.45—News. 1.0—Orchestra. Conductor: de Villers. Overture, "Mariana" (Wallace). Valse de la Cigarette (Lalo). Ballet, "Les Héritiques" (Levadé). Offenbachiana (Conrad).

SATURDAY (January 8)

1.45—Talks. 2.0—Exchange. 2.2—For Farmers (in German). 2.20—Records. 2.30—Variety. 4.0—Records of Lucienne Boyer. 4.15—French Lesson. 4.30—Records. 5.0—See Paris (PTT). 6.50—To be announced. 7.0—News. 7.30—See Rennes-Bretagne. 8.0—News in German. 8.15—News. 8.30—Symphony Concert. Station Orchestra. Conductor: Bour. Grégoire (Violin). Botton (Clarinet). Briqueteur (Viola) and Roskam (Cello). Second Symphony (Beethoven). Violin: Romance in G (Beethoven). Coriolanus Overture (Beethoven). Pavane pour une Infante défunte (Ravel). Trio for Clarinet, Viola and Cello (Adam). Petite Suite (Roussel). 10.30—News. 10.45—News in German. 11.0 till Close—Dance Music from Paris.

STUTTGART (Germany) 574 kc/s (522.6 m.); 100 kW. 5.0 a.m.—Hymn; Time; Weather; For Farmers; Gym. 5.30—Records; at 6.0—News. 7.0—See Frankfurt. 7.30-8.30—Orchestra from Saarbrücken. 9.0-9.30—"Johann Philipp Palm"—Play (Stauder). 10.30—Folk-Music. In the interval, Peasant Calendar and Weather. 11.0—See Breslau. 12.0 noon—Time; News. 12.15 p.m.—See Breslau. 1.0—"From North and South"—Records. 2.0—Concert from Mannheim. The Melo Trio, The Five Merry Singers, Schery (Pfte.) and Else Flohr (Soprano). 3.0—Saturday Afternoon Variety. 5.0—Weekly Sound News. 6.0—News. 6.15—Military Band, Conductor: Heisig; Trumpeter Corps, Conductor: Kiedaisch. Fanfarenmarsch (Stiebertz). The Wedding of the Winds (Hall). March, Freiweg (Latann). Overture, "Norma" (Bellini). Vestalinnemarsch (Gerold). Blumenreigen (Heisig). Pepitamarsch (Neumann). Polish Dance (Scharwenka). Kärntner Liedermarsch (Seifert). The Mill (Jensen). March, Siegesfanfaren (Will). 7.0—"Two Cycles, a Car and a Radio Set"—Radio Fantasy by Willi Stech, Hans Reimann, Wilhelm Krug and Harold Kirchstein, with the Small Station Orchestra, Conductor: Bara. 8.0—Dance Music by the Small Station Orchestra, etc. Conductor: Bara. 9.0—Time; News. 9.15—See Cologne. 9.38—Records. 11.0-12.0 m't.—See Frankfurt.

TOULOUSE (Radio-Toulouse) (France) 913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.0 a.m. 12.0 noon—News. 12.30 p.m.—Film Music. 12.45—Light Music. 1.15—Dance Music. 1.45—Viennese Orchestra. 2.0-2.5—News. 4.30—English Concert. 6.40—Orchestra. 6.55—News; Sports. 7.0—Chansonnettes. 7.15—For Children. 7.45—Light Music. 8.0—Excerpts, "The Count of Luxembourg" (Lehar). 8.30—Salon Orchestra. 8.45—Operetta Airs, "O mon bel inconnu" (Hahn), "Ceux de la légion" (Scott). Meine weisse Rose (Lehar). Excerpts, "Le chant des Tropiques" (Simons), "Les Noces de Jeannette" (Massé). 9.10—Talk. 9.15—"Meunier, tu dors"—Fantasy. 9.30—Dance Band. 10.0—News. 10.15—English Concert. 11.15—Light Music. 11.50-12.0 m't.—News.

TURIN GROUP (Italy) Turin (No. 1), 1,140 kc/s (263.2 m.); 7 kW. Milan (No. 1), etc. See Sunday. 6.45 a.m.—Gym.

7.0-7.20—News. 10.30 a.m.-1.0 p.m.—See Rome (No. 1). 1.0-1.20 p.m.—News. 3.40—For Children. 4.0—News. 4.15—Carletto Bussotti (Pfte.). 4.55-5.10—See Rome (No. 1). 6.20—Dopolavoro Notes. 6.30—See Rome (No. 1). 7.0—Time; News; Talk. 7.30—Light Music. 7.40 Rome (No. 2 only)—News in English. 8.0—"I cavalieri di Ekebù" (Zandonai) from the Royal Opera, Rome. In the intervals, Talks and News. After the Opera: Dance Music.

VIENNA (Austria) 592 kc/s (506.8 m.); 100 kW. Graz, etc. See Sunday. 5.45 a.m.—Gymnastics. 6.0—Motto; News. 6.10-7.0—Records. 8.10—News; Markets; Weather. 9.50—For Women. 10.20—Water Level; Weather. 10.30—Records: Folk-Music. 10.55—Weather. 11.0—Vienna Women's Symphony Orchestra, Conductor: Lehnert. 12.0 noon—Weather; News. 12.15 p.m.—Records. 1.0—Records of Margherita Perras (Soprano) and Helge Roswaenge (Tenor). 1.30—Announcements. 1.45—Weather; Exchange. 2.0—"Mr. Pickwick's Journey"—Play after Dickens (Calmes, arr. Helene von Weilen). 3.0—News; Exchange. 3.5—Vienna Mandoline Band, Conductor: Schmudhuber. 3.40—Italian Talk. 4.0—Records. 5.10—Folk-Songs. From the Konzerthaus. 5.25—Chamber Music Lesson. 5.40—Foreign Affairs. 6.0—Time; News. 6.10—Military Band. 6.55—Film Review. 7.10—Hans von Hammerstein reads. 7.35—A Trip round the World (arr. Reimers). Station Orchestra and Schrammel Band. Conductor: Sandauer. Kőcse Antal Cigány Band; Sascha Suchotin and his Balalaika Orchestra; Kaluma (Hawaiian Guitar); Winkelbauer (Accordion); and Singers. 8.45—Rafael Lanes ("Cello"); Schulhof (Pfte.). Sonata (Boccherini). Adagio (Bach). Allegro (Senallic). Romance (Voormolen). Caprice (Hindemith). Die Biene (Schubert). 9.10—News; Weather. 9.20—Gottwald Jazz Band. 9.55—Announcements. 10.0-10.30—Gottwald Jazz Band.

WARSAW (Poland) 224 kc/s (1,339 m.); 120 kW. Cracow, etc. See Sunday. Transmits at intervals from 5.15 a.m. 2.30 p.m.—Economic Notes. 2.45—Sketch for Children. 3.15—Military Band. Conductor: Chmielewicz. 3.50—Topical Talk. 4.0—Service from the Ostra Brama, Wilno. 4.50—Programmes; Sports; Topical. 5.15—Cigány Band Records. 5.30—Programme Notes. 5.35—For Country People. 6.0—For Poles Abroad: (a) For Children, (b) Polish Authors—Henryk Sienkiewicz. 6.50—Topical Talk. 7.0—Station Orchestra. Conductor: Gorzyński. Kroll (Songs), Orzechowski and Lawrusiewicz (Vibraphones). March (Kochański). Overture, "Prince Methusalem" (Strauss). Songs. Viennese Waltz (Holländer). Vibraphones: (a) Valse fantastique (Gorzyński), (b) Hindu Song, "Saddo" (Rimsky-Korsakov). Mazurka, Minuet and Waltz (Philips). Gavotte-Intermezzo (Borchert). Selection, "Frau Luna" (Lincke). Songs. Au bord de Morskie Oko (Wronski). Vibraphones: (a) Serenade (Toselli), (b) Vienna, City of my Dreams (Siczynski). Viennese Potpourri (Gorzyński). Gouviennic (Popiel). March (Siede); at 7.45—News; Topical Talk. 8.45—"The Man who sold his Skeleton"—Sketch (Nowicki). 9.0—Station Dance Band. 9.50-10.0—News.

STATIONS IN ORDER OF FREQUENCIES AND WAVELENGTHS

kc/s	m.	kW	Station	kc/s	m.	kW	Station	kc/s	m.	kW	Station
			<i>Band No. 1. 150-300 kc/s.</i>	722	415.4	1	Fredrikstad (Norway)	1131	265.3	100	Hörby (Sweden)
152	1973.5	5	Ankara (Turkey)			0.1	Assiut (Egypt)			7	Turin (No. 1) (Italy)
153	1961	7	Kaunas (Lithuania)	731	410.4	3	Madrid (EAJ2) (Spain)	1140	263.2	10	Genoa (No. 1) (Italy)
		150	Hilversum (No. 1) (Holland) (10kW only until 2.40 G.M.T.)			5.5	Seville (Spain)			10	Trieste (Italy)
160	1875					20	Tallinn (Estonia)	1149	261.1	20	LONDON NATIONAL
		150	Radio-Romania (Romania)	740	405.4	100	Munich (Germany)			20	NORTH NATIONAL
166	1807	150	Lahti (Finland)			100	Marseilles (PTT) (France)			50	SCOTTISH NATIONAL
172	1744	500	Moscow (No. 1) (U.S.S.R.)	749	400.5	1	Pori (Finland)	1158	259.1	10	Kosice (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)	767	391.1	60	BURGHEAD	1176	255.1	10	Copenhagen (Denmark)
187.5	1600	20	Irkoutsk (U.S.S.R.)			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.)			2	Coblenz (Germany)
		35	Minsk (U.S.S.R.)			120	Toulouse (PTT) (France)	1195	251	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)			2	Trier (Germany)
217.5	1379	100	Novosibirsk (U.S.S.R.)	795	377.4	50	Lwów (Poland)	1204	249.2	5	Prague (No.2) (Czechoslovakia)
224	1339	120	Warsaw (No. 1) (Poland)			5	PENMON (Anglesey)	1213	247.3	60	Lille(RadioPTT Nord) (France)
232	1293	150	Luxembourg	804	373.1	70	WELSH REGIONAL	1222	245.5	0.3	Narvik (Norway)
		100	Moscow (No. 2) (U.S.S.R.)			50	Milan (No. 1) (Italy)			60	Rome (No. 2) (Italy)
240	1250	60	Kalundborg (Denmark)	814	368.6	50	Bucharest (Romania)	1231	243.7	5	Görlitz (Germany)
		0.5	Vienna Experimental (Austria)	823	364.5	12	Agen (France)			5	Gleiwitz (Germany)
248	1209.6	100	Kiev (No. 1) (U.S.S.R.)			35	Kiev (No. 2) (U.S.S.R.)	1235	242.9	1	Cork (Irish Free State)
253	1186	10	Vigra (Aalesund) (Norway)	832	360.6	0.4	Rueil-Malmaison (Radio 37) (France)	1249	240.2	17	Saarbrücken (Germany)
256.4	1170	25	Tashkent (U.S.S.R.)			100	Berlin (Germany)			1	Bilbao (EAJ8) (Spain)
260	1153.8	60	Oslo (Norway)	841	356.7	100	Sofia (Bulgaria)	1258	238.5	15	Riga (Latvia)
271	1107	100	Leningrad (No. 1) (U.S.S.R.)			100	Bodö (Norway)			1	Florence (No. 2) (Italy)
282	1065	10	Tromsø (Norway)	850	352.9	1	Porsgrund (Norway)	1267	236.8	2	Nürnberg (Germany)
283	1060	35	Tiflis (U.S.S.R.)			10	Stavanger (Norway)	1276	235.1	27	Radio-Méditerranée (France)
			<i>Band No. 2. 300-500 kc/s.</i>			3	Valencia (Spain)			2	Varna (Bulgaria)
300	1000		Moscow (V.C.S.P.S.)			10	Simferopol (U.S.S.R.)	1285	233.5	1	ABERDEEN
340	882.3	20	Saratov (U.S.S.R.)	859	349.2	100	Strasbourg (France)			0.25	Dresden (Germany)
347	864	10	Finmark (Norway)			16	Poznan (Poland)	1294	231.8	5	Klagenfurt (Austria)
350	857.1	10	Archangel (U.S.S.R.)	868	345.6	70	LONDON REGIONAL			5	Voralberg (Austria)
355	845.1	20	Rostov-on-Don (U.S.S.R.)	877	342.1	15	Graz (Austria)	1303	230.2	0.5	Danzig (Danzig Free City)
359.5	834.5	18	Budapest (No. 2) (Hungary)	886	338.6	15	Linzi (Austria)			0.25	Karlstad (Sweden)
375	800	40	Sverdlovsk (U.S.S.R.)			10	Helsinki (Finland)	1312	228.7	2.5	Malmö (Sweden)
390	769	10	Voronezh (U.S.S.R.)	895	335.2	1.5	Limoges (PTT) (France)			0.25	Norrköping (Sweden)
		0.6	Boden (Sweden)	904	331.9	100	Hamburg (Germany)	1321	227.1	0.25	Trollhättan (Sweden)
392	765	30	Banská-Bystrica (Czecho.) (Power 15 kW after 5 p.m.)			10	Dniepropetrovsk (U.S.S.R.)			1.25	Magyaróvár (Hungary)
401	748	1.3	Geneva (Switzerland)	913	328.6	60	Toulouse (Radio - Toulouse) (France)	1330	225.6	2	Bremen, Hanover, Kiel, Stettin (Germany)
413.5	726	100	Moscow (No. 3) (U.S.S.R.)			32	Brno (Czechoslovakia)			0.5	Magdeburg (Germany)
431	696	10	Oulu (Uleaborg) (Finland)	922	325.4	15	Brussels (No. 2) (Belgium)	1333.3	225		Thessaloniki (Greece)
		0.6	Östersund (Sweden)	932	321.9	12	Algiers (North Africa)	1339	224	2	Lódz (Poland)
518	579	0.5	Tartu (Estonia)	941	318.8	10	Göteborg (Sweden)			1.5	Montpellier (PTT) (France)
519	578	0.7	Hamar (Norway)	950	315.8	100	Breslau (Germany)			0.5	Cairo (No. 2) (Egypt)
		1	Innsbruck (Austria)	959	312.8	60	Poste Parisien (France)			0.5	Dublin (Irish Free State)
527	569.3	6.3	Ljubljana (Yugoslavia)	968	309.9	30	Bordeaux-Sud-Ouest (France)	1348	222.6	2	Königsberg (No. 2) (Germany)
		10	Viipuri (Finland)			10	Odessa (U.S.S.R.)			0.15	Rjukan (Norway)
536	559.7	50	Wilno (Poland)	977	307.1	100	NORTHERN IRELAND REGIONAL			2	Salzburg (Austria)
546	549.5	120	Budapest (No. 1) (Hungary)			50	Bologna (Radio - Marconi) (Italy)			0.7	Tampere (Finland)
556	539.6	100	Beromünster (Switzerland)	986	304.3	24	Torun (Poland)	1357	221.1	1	Bari (No. 2) (Italy)
		100	Athlone (Irish Free State)			60	Hilversum (No. 2) (Holland) (Power 15 kW only until 6.10 G.M.T.)			1	Rome (No. 3) (Italy)
565	531	10	Klaipeda (Lithuania)	995	301.5	20	Bari (No. 1) (Italy)			4	Milan (No. 2) (Italy)
		3	Palermo (Italy)			13.5	Bratislava (Czechoslovakia)	1366	219.6	0.3	Notodden (Norway)
574	522.6	100	Stuttgart (Germany)	1004	298.8	4	Chernigov (U.S.S.R.)	1375	218.2	0.5	Genoa (No. 2) (Italy)
583	514.6	50	Alpes-Grenoble (PTT) (France)	1013	296.2	70	MIDLAND REGIONAL	1384	216.8	7	Turin (No. 2) (Italy)
592	506.8	15	Madona (Latvia)			3	Barcelona (EAJ15) (Spain)	1393	215.4	25	Radio-Lyons (France)
		25	Athens (Greece)	1022	293.5	2	Cracow (Poland)	1402	214	2	Stara-Zagora (Bulgaria)
601	499.2	15	Rabat (Morocco)			0.7	Oviedo (Spain)	1420	211.3	10	Vaasa (Finland)
		10	Athens (Greece)			100	Königsberg (No.1)(Heilsberg) (Germany)			0.5	Alexandria (No. 2) (Egypt)
610	491.8	20	Sundsvall (Sweden)	1031	291	5	Paredo (Portugal)	1429	209.9	2.5	Kaiserslautern (Germany)
620	483.9	15	Florence (No. 1) (Italy)			10	Leningrad (No. 2) (U.S.S.R.)			0.5	Turku (Finland)
625	480	20	Brussels (No. 1) (Belgium)	1040	288.5	120	Rennes-Bretagne (France)	1438	208.6	1.25	Miskole (Hungary)
		20	Cairo (No. 1) (Egypt)	1050	285.7	50	W. OF ENGLAND REG'L.	1456	206	7	Eiffel Tower (Paris) (France)
629	476.9	15	Samara (U.S.S.R.)	1059	283.3	20	Bari (No. 1) (Italy)			0.1	Antwerp (Belgium)
		20	Christiansand (Norway)	1068	280.9	2	Radio-Cité (Paris) (France)			0.1	Courtrai (Belgium)
		15	Lisbon (Emissora Nacional) (Portugal)	1077	278.6	10	Tiraspol (U.S.S.R.)	1474	203.5	1	Pécs (Hungary)
		20	Trondelag (Norway)	1086	276.2	35	Bordeaux-Lafayette (France)			0.3	BOURNEMOUTH
638	470.2	120	Prague (No.1) (Czechoslovakia)			2	Falun (Sweden)	1487	201.7	0.1	PLYMOUTH
		100	Lyons (PTT) (France)			0.7	Zagreb (Yugoslavia)			0.1	Binche (Belgium)
648	463	10	Petrozavodsk (U.S.S.R.)	1095	274	5	Madrid (EAJ7) (Spain)	1492	201.1	0.2	Albacete (Spain)
658	455.9	100	Cologne (Germany)			10	Vinnitsa (U.S.S.R.)			0.1	Chatelineau (Belgium)
668	449.1	20	Jerusalem (Palestine)	1104	271.7	10	Kuldiga (Latvia)			0.7	Nîmes (France)
677	443.1	70	NORTH REGIONAL			10	Naples (Italy)			0.5	Santiago (Spain)
677	443.1	100	Sottens (Switzerland)			11.2	Moravská-Ostrava (Czecho.)			0.1	Wallonia (Belgium)
686	437.3	20	Belgrade (Yugoslavia)	1113	269.5	15	Radio-Normandie (Fécamp) (France)	1500	200	0.25	Liège Experimental, Radio- Cointe (Belgium)
695	431.7	120	Paris (PTT) (France)			0.5	Alexandria (No. 1) (Egypt)			0.2	Pietersaari (Finland)
704	426.1	55	Stockholm (Sweden)	1122	267.4	60	STAGSHAW (Newcastle)	1530	196	0.2	Radio-Alcalá (Spain)
713	420.8	5	Rome (No. 1) (Italy)			6.25	Nyiregyháza (Hungary)	1734	173	0.1	Seraing, Verviers, Wallonia (Belgium)
		1	Bergen (Norway)							0.2	Karlskrona (Sweden)
722	415.4	17	Hilversum (Lopikerkapel) (Hol- land) (Relays Hilversum No. 1)							0.1	Liepaja (Latvia)
		10	Kharkov (U.S.S.R.)								

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