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An Englishman Receives the Freedom of an American "Radio"

South American Review of the Short Waves

Jubilee Stamps of the Empire ★ Making the Most of a Meter

Mrs. Thomas



likes the home programmes and confesses to a *penchant* for Henry Hall and the Dance Bands. So that when her husband talked about getting a Ferranti All-Wave Receiver, she imagined that in future she would be hearing programmes in every tongue but her own. But now that they actually have their new Ferranti and she can get all the stations she used to get with greater ease and certainty, and with more faithful reproduction than ever before, she is quite reconciled to the idea; and it's such a good-looking set, gleaming there in the corner of the sitting-room.

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If you do not wish to cut this paper send a postcard mentioning "World-Radio."

An Englishman Receives The Freedom of an American "Radio"

THE writer is one of that vast army made up of "the ordinary listener." He has listened regularly since the beginnings of broadcasting; his tastes are catholic—ranging from talks and sermons, through not too high-brow symphony concerts, to vaudeville and even not-too-hot jazz. For all his ardent listening, he has absolutely no knowledge of the principles of wireless or of the construction of his set. The only excuse for mentioning these quite personal details is to provide some sort of a key to the attitude with which he approached "radio" during a visit to the United States last year. Others have written down their impressions, but usually they have been the impressions of the privileged or technically-qualified visitor rather than of one of Britain's millions of just "ordinary listeners."

The first shock came as soon as the Customs had been cleared at New York. A radio taxi bore me to my hotel. Car radio sets are not by any means unknown at Home, but they are still, I believe, somewhat of a novelty, and for my own part I sincerely hope they will remain so—at all events so far as public conveyances are concerned. After having sat in taxi after taxi fitted with radio I fail to see that it serves any useful purpose. The passenger is usually bent on business or pleasure, and needs no orchestral or dance-band accompaniment. The driver has all his work cut out to watch the traffic signals.

The second shock came when I went for a stroll to Radio City, gazed in wonderment at New York's latest and perhaps most beautiful skyscraper, known as the Rockefeller Building, and then came suddenly on the brightly lighted entrance to the studios of the National Broadcasting Company. It reminded me of the entrance to a British cinema more than of anything else, and as I eyed the uniformed commissioner, and read the notices inviting all and sundry to walk in and see broadcasting in progress, I had a feeling that there must be some catch in this somewhere. Surely this could not be the headquarters of the great American NBC. But it was!

A charabanc sightseeing programme contained this statement—startling in the extreme to anyone accustomed to passing Broadcasting House and to gazing at its portals with awe and wonderment as to what the interior was really like—"The National Broadcasting Company maintains the world's largest studios in this building, and for the convenience of visitors operates, from 9 a.m. until 11 p.m., a guided tour throughout the studios. Admission 40 cents."

Reaction to Early-Morning Cheer

The American gets a really all-day radio programme, for the day's broadcasting begins at 6 a.m. I know there is, from time to time, an agitation for early-morning music to be provided by the BBC, but if there is one feature of American radio from which I hope the British public may be preserved it is from such programmes as "The Musical Clock," "The

Early Bird," "Gloom Chasers," and a lot more. My impression is that, so far from putting a man in a cheerful frame of mind for his day's work, they would result, in Great Britain, in a waste of precious time when time is of vital importance, domestic rifts in the lute, and frayed nerves!

There is no cause for complaint concerning the extent or variety of the Sunday programmes. From 11 o'clock onwards the American can



"It reminded me of the entrance to a British cinema more than of anything else . . ."

listen to economic and other debates, he can have "ridiculous songs and chatter," Gilbert and Sullivan, football or baseball commentaries, dramatic sketches and plays, and, most popular of all, I believe—in the same sense as that in which the comic section of the huge Sunday paper is the most sought after—Major Bowes's Amateurs' Hour (which has already been described in WORLD-RADIO).

Relays from Law Courts

Perhaps one of the most interesting individual items I listened to was a talk by Father Coughlin, of whom Englishmen have heard so much. Father Coughlin has for long "bought time on the air," and has an assured audience running into anything up to eleven millions. When I heard him, he was broadcasting at midnight (time is cheaper at that hour, I believe). I was, quite frankly, disappointed with what he said, and in the view of most of those with whom I discussed him, he talks far over the heads of most of his audience. But—and in this one venture to think lies his power—he has a wonderful personality, and the arresting voice and manner of the perfect broadcaster.

American broadcasting authorities—and there are many of them—are, like our own BBC, constantly seeking to put over novelties. A galaxy of stars and notabilities, distinguished men and women in art and letters, are always "on the air," but then so they are here, in smaller numbers. There is one novelty that has never been broadcast in this country, and probably never will be, and that is a relay from one or other of the courts of law. I would commend

to those who are concerned with a reduction in the number of road accidents the idea of broadcasting to the public a series of charges for road offences. They have them in America under the title of "Traffic Court Broadcast."

Calling a Punch a Punch

American news headlines have provided much amusement to us more conservative-minded Britons. Some of those that appear on the radio pages of the daily newspapers are, if nothing else, arresting! For example: Amateur Show Singer Gets Quick Reply from Fan: it's a Marriage Proposal. Gertrude Neisen Owes Her Early Fame to a "Boner" Pulled by a Radio Editor. (A boner, by the way, is a "howler.") One could give many more examples, but suffice it to say that the commentator of a prize fight is a "blow-by-blow announcer."

I do not think the British public would take kindly to the American system of sponsored programmes, but after hearing many such programmes sponsored by makers of cosmetics, beverages, gasoline (petrol), and hosts of other commodities, I must confess that many of those put "on the air" are of a very high standard, whether they be serious concerts, vaudeville turns, stories, the weekly thriller, plays, or what not. The impersonations of American announcers of sponsored programmes sometimes attempted by our own comedians are, to my mind, a travesty of the real thing, for all such have beautiful voices, and one seldom gets the impression that a sponsored article is being, even metaphorically, forced down one's throat.

Most of what might be called my "domestic" listening was done in Chicago, where I was fortunate enough to be staying with friends, and was invested with the freedom of "the radio." I was able to turn the knobs of their set at will, and to listen or not, as and when I chose, which is really the only sane way of listening.

As far as the set itself went—and the reader will remember my self-confessed ignorance of the construction of sets—the thing that amazed me, and from which I never entirely recovered, was its selectivity. The merest suspicion of a touch, and one station was gone and another was coming in, but there was never any overlapping of stations.

I soon discovered the reason for this, when, on looking down the list of programmes available, I found that Chicago alone had fourteen broadcasting stations! As nearly everybody's set has what is called a coast-to-coast range, I stagger to think how many stations the American listener has at his command. I wondered at first whether, under these conditions, it was possible for anyone to have any length of consecutive programme with so many stations available, but soon learned that in his listening the American is a very sensible individual. He knows what each station puts over, he has his one or two favourites, and in the main sticks faithfully to them.

H. A. S.

Prices of German Receivers

MORE than one correspondent has pointed out to me that my paragraph, in last week's issue, on the prices of German receivers was misleading. As I stated, the prices quoted were calculated at the official exchange rate; and since this is about $12\frac{1}{2}$ marks to the pound, whereas in Germany the value is twenty to the pound, the figures are perhaps misleading on the surface. Yet, making all allowance for the difference in rates of exchange the prices are on a higher level than those in force here.

The Waistcoat-Pocket Transmitter

In the old crystal-set days we were all familiar with the ingenious receivers which fitted inside match-boxes. Now, apparently, it is the turn of transmitters to reach the ultimate minimum. A waistcoat-pocket transmitter, designed primarily for programme work in crowds and large assemblies in which the announcer must be able to move quickly to any given point, has been perfected by the Engineering Department of the National Broadcasting Company.

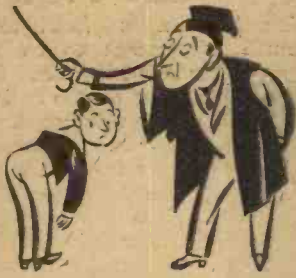
It weighs less than one pound and, being contained—apart from its two ten-inch aerial rods—within a three-inch cube, is easily grasped in the palm of one's hand. Current is fed to the midset by a battery of 90 volts. Tests just completed show that, with a power of 0.2 watts, it can reach a distance of four miles. In actual use its range will be voluntarily limited, the portable transmitter being intended not to reach listeners directly, but rather to extend the "pick-up" scope of the networks. Ultra-short-wave propagation tests have been going on for nearly two years, from the tops of New York skyscrapers, and the results secured pointed the way to this newest NBC transmitting apparatus. According to the Chief Engineer of the NBC, microwaves in this band of 300,000 kc/s were shown to have a phenomenal degree of penetration through intervening structures. Small as it is, the waistcoat-pocket transmitter leaves the radio engineer's dream yet unfulfilled. He is still looking for one which he can carry in his tie-pin.

Bulgarian Broadcasting This Year

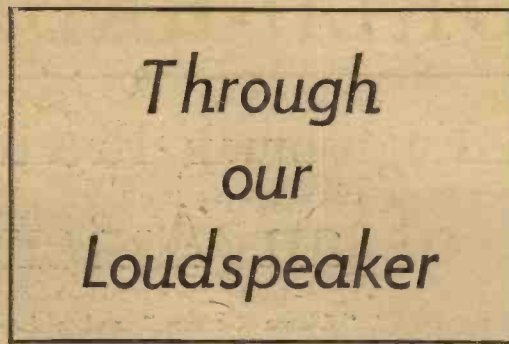
With the exception of a small, privately-run station in Sofia, Bulgaria has at present no broadcasting transmitter. Obviously, this state of affairs could not last, and I am therefore not surprised to learn that preliminary work in connexion with the inauguration of a Bulgarian broadcasting service is in progress. A 100-kW transmitter, which is to be erected at Vakarel, a town some twenty-five miles outside Sofia, has been commissioned, and is to begin working in the course of this year. Two relay stations are also planned: one in Central Bulgaria at Stara-Zagora, the other at Varna or at Burgas on the coast of the Black Sea. At present Sofia shares a wavelength with five other stations. It looks as though an adjustment is likely to be made in this respect.

Empire Transmissions in Malaya

"The BBC Empire station is now the big noise of the Malayan ether," writes the *Straits Times* (Singapore) radio correspondent in an article on the vast improvements recently



"... a phenomenal degree of penetration through intervening structures."



recorded in the strength of the Daventry station received in British Malaya. It is pointed out that in the past twelve months it has become possible to receive Transmission 2 right from the beginning, at 6.20 local time (11 a.m. G.M.T.), until the close down, and even Transmission 1, intended for Australia, is sometimes heard, giving tea-time music and a news bulletin from London—an exceptional treat for listeners living almost on top of the Equator. The *Straits Times* correspondent compares the reception of Daventry with that of the European short-wave stations in Paris, Berlin, Holland, Rome, and Russia. London, he says, comes through louder and more consistently than any of the others, although some listeners appear to like the Continental programmes for their concerts and variety interludes. The French Radio-Colonial station is now received at much greater strength than hitherto, and is listed as second-best to Daventry.

Fortnightly Relays from Java

A further development in the use of wireless as a means of uniting distant possessions with the Mother Country is taking place this month in the combined action of the A.V.R.O., in Holland, and the N.I.R.O.M. (Netherlands Indies Radio-Broadcast Company), in Java. On Sunday, February 16, the first of a regular fortnightly series of relays from Java will take place at 12.40 G.M.T., when a description of a tour of the Botanical Gardens at Buitenzorg, the residential suburb of Batavia, will be relayed on the 1,875-metre wavelength. Other programmes, both of talks and music, the latter entirely Indian, are being arranged, by which it is hoped that a closer contact with this important colony will be achieved by Dutchmen living at home. Apart from this series, important events will be made the subject of special broadcasts and relays. The first of these, which will take place on March 3, will be the transfer of the command of the Dutch East Indian marine forces by Vice-Admiral van Duim, the present commander, to his successor, Rear-Admiral (the Dutch title is the more picturesque one of Schout-by-Nacht—that is, Night Bailie) H. Ferweda, who has just left Holland for this purpose.

Gramophone Litigation

Litigation in relation to the broadcasting of gramophone records which are the property of commercial firms has recently been providing the lawyers of several countries with extra work; in particular, a suit brought by seven German record-manufacturing firms against the Reichs-Rundfunk-Gesellschaft, of Berlin. The plaintiffs had asked for an injunction to restrain the German broadcasters from using records made in their factories. While judgment was given for the plaintiffs in respect of records of the spoken word—even though such records had been obtained on loan—their plea was refused as far as records of music or of mixed music and words were concerned. It was largely a question of whether or not the broadcast of a record

was or was not a "public performance" according to German copyright law. The Court decided that it was. The gramophone firms appealed to the *Kammergericht*, and news now reaches me that the appeal has failed, and that the broadcasters have been permitted the use of music records.

Altered French Programmes

Did you hear Gounod's *Faust* from the Paris Opéra via Radio-Paris last Saturday at 8 p.m.? Not a word about this in WORLD-RADIO—but that was not the fault of WORLD-RADIO. It was only one of several alterations about which French programme papers have been complaining. One paper received the alterations the day after it had gone to press, while another, which either received the corrections earlier or went to press later, made substantial last-minute alterations, only to find that the altered programme was not adhered to in its entirety. As I write I have three French programme papers by me. Of these, one gives the programme for February 8 as indicated by WORLD-RADIO; another states that *Faust* will be given from the Opéra at 7.45 p.m.; and the third gives the time of that opera as 8 p.m. Similar cases relating to the broadcasting service in other countries are fairly constant. I suppose these things are sometimes unavoidable.

Lahti's Increase in Power

On January 25 the power of the Lahti station—the Droitwich of Finland—was increased to 150 kW, and an entirely new transmitter, with a capacity of 220 kW, was brought into use. The new station, which has a field strength twice as great as the old one (of 40 kW) will now provide a satisfactory coverage in Finland, and should give a very fair signal in this country. For the sake of those who are not acquainted with the geography of Finland, I may say that Lahti is situated in the centre of the relatively densely populated part of Southern Finland. The first high-power station—one of 20 kW—was opened in 1928, and during the following year the power was raised to 40 kW, at which figure it has remained until now.

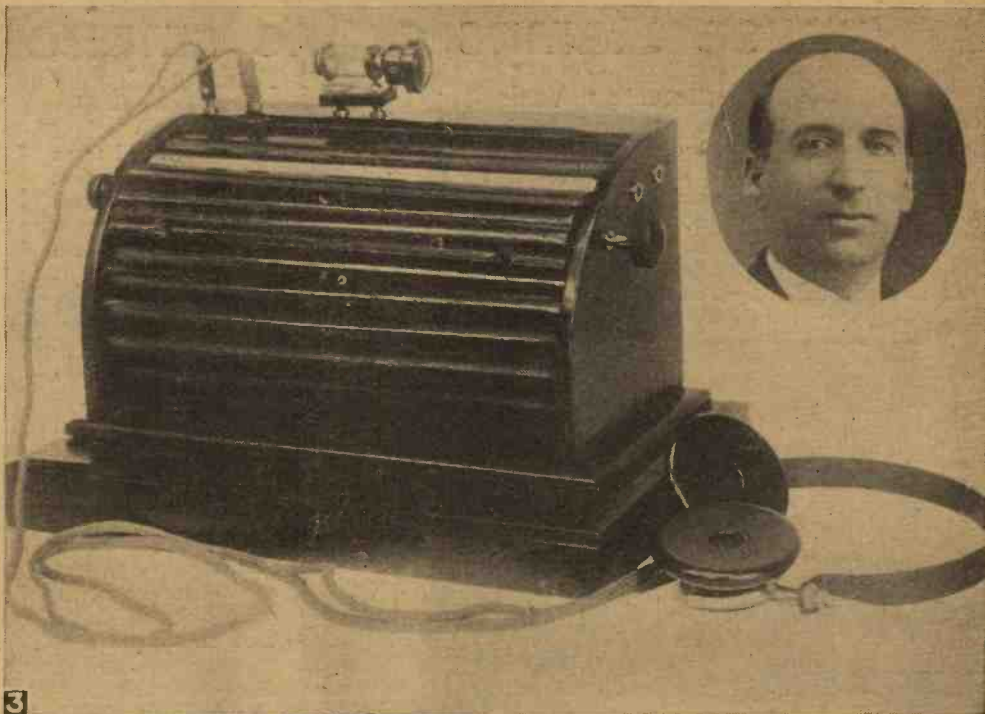
What is an Amateur?

The term "amateur" is freely used in Continental wireless journals to denote the ordinary listener. In this country we usually think of the expert on the short waves who has acquired a transmitting licence as an amateur. A similar interpretation prevails in the United States, apparently, for I am told that the widespread



"... the gulping crooner..."

use of the term "amateur" to describe performers on the "Amateur Hours" now enjoying a broadcasting vogue is vigorously disputed by the American Radio Relay League, which embraces some 40,000 licensed amateur radio operators. They claim to be the original users of the term, but are better known in the craft as "hams." These operators of short-wave and ultra-short-wave radiotelegraph and radiophone stations as a hobby have contributed much to the progress of the technical radio art, and assert that they are not going to relinquish their "prior right" to the title. They ask that "until the 'amateur night' fad dies out—if ever—the puzzled broadcast listener do his best to keep his definitions straight and try not to confuse the gulping crooner with the amateur expert next door."



1. Mlle. Jeanne Thys, "the Blessed Damozel" in Debussy's Cantata at Brussels No. 1, on Tuesday, February 18, at 9.15 p.m.
2. The Opéra, Paris. Radio-Paris relays "La Traviata" on Monday, at 8.15; and Eiffel Tower will relay Rameau's "Castor et Pollux," at 8.45, on Friday.
3. Professor Alberto Amadio, of Genoa, with the crystal set of his invention referred to in the last issue of WORLD-RADIO. He claims to have received stations quite clearly at distances up to 1,300 miles.
4. Signorina Corsini, Rome announcer, goes ski-ing.
5. Mme. Hørner, of the Opéra, sings Agathe's music from Weber's "Freischütz," in the French PTT Stations' programme on Tuesday, February 18, at 8.30 p.m.
6. Mlle. Germaine Risse sings in "Cœurblette" at Radio-Paris on Sunday, February 16, at 8.45 p.m.

Jubilee Stamps of the Empire

Some Interesting Varieties: by FILIGRANE

THE great interest taken by our late beloved King in stamps is well known, and his collection of Empire issues, old and new, is full of valuable, and in some cases unique, specimens. That King George possessed great keenness in the hobby and also a very human side—though no proof of that is needed—is shown by the follow-

Jubilee issues may be gleaned from the fact that when they were first issued dealers were accepting orders for them at less than £5, whereas now it is extremely difficult to obtain the complete set at all, and £12 is not considered dear.

The "Extra Flagstaff" Error

Apart from the value of ordinary "straight" Jubilee stamps there are several major varieties much prized by collectors, many of whom tell me that they have picked them up from among dealers' stocks and at normal prices—which, of course, constitutes the chief delight of this kind of hunting. The most prominent is the appearance—due to some plate flaw—to the right of the Round

Tower at Windsor Castle of what appears to be an extra flagstaff. This is quite plain to see in the design, and is only a little shorter than the genuine article on the left on the tower itself. But it does not appear on all values of all Colonies by any means. Of sixty stamps containing the Windsor picture, more than forty showing the error have so far been discovered. In each sheet it is the first stamp in the ninth row. Here are some stamps on which there is a very fair chance of finding the extra flagstaff:—

- Bechuanaland: 2d. and 3d.
- Falkland Islands: 1s.
- Gambia: 1½d., 3d., 6d., 1s.
- Gibraltar: 2d., 6d.
- Gold Coast: 1d.
- Sierra Leone: 1s.
- Jamaica: 1½d., 6d., 1s.
- Malta: 6d., 1s.
- Swaziland: 6d.
- Trinidad and Tobago: 6d.

The 1s. value of the Falkland Islands "extra flagstaff" variety is the most sought after of all at present, up to £40 having been paid already for a single specimen.

A strange kind of error was that which appeared only among the sheets of a certain printing of the Jubilee issue of the "Morocco

for one copy having been paid already. One most important point must, however, be emphasised concerning this elusive variety—namely, that it is only of value when shown in an unsevered pair, with the adjoining stamp, of course,



The error of the "second mast"

bearing the value normally expressed in "centimos." This is because all Jubilee stamps overprinted for use in British Agencies in the French Zone of Morocco have their values normally expressed in centimes, and therefore thousands of single specimens precisely similar to that containing the error are in existence.

Even our own Silver Jubilee issue already has an enhanced value, particularly the 2½d. stamp, which, it will be remembered, was issued in an ordinary blue shade. Collectors who were wise enough to preserve pairs or strips of corner stamps, showing the control number on the plain edging at the side, may rest assured that their small investment will be well worth while. I learn, moreover, that towards the end of the issue the 2½d. value appeared in a very pronounced Prussian-blue shade, though as yet none of these stamps has come into my personal ken. The number of sheets in this deep colour that exist does not appear as yet to be generally known, but certainly there were very few indeed. Anybody, whether a collector or not, who possesses stamps of this shade would be well advised to "stick to them."

There are certain "advanced" philatelists who are for ever on the look-out, with their lenses and the like, for plate and other flaws which serve to distinguish individual stamps in certain printings. Many of these differences are absolutely invisible to the naked eye, and it is only when something occurs which is plain to see and which, moreover, is constant—that is, appearing always on the same stamp or stamps in the sheets of a particular printing



Some of the various designs adopted for Jubilee stamps in the Empire

ing incident related to me recently by Mr. F. J. Melville, the well-known philatelic authority. Mr. Melville happened to be engaged in cataloguing the Tapling collection in the British Museum, and was one day so much immersed in his work that he hardly noticed two other gentlemen who were also examining some of the slides near. Presently they turned to depart, and as they did so he overheard one say to the other, "Well, I can beat him in Sydney Views, anyway." It was King George speaking to Sir Edward Bacon, who has for long managed the Royal collection.

It was indeed fitting that the issue last May of sets of Jubilee stamps from all the Dominions and Crown Colonies should have proved such a remarkable success. King George himself approved the general design, illustrated at the time in WORLD-RADIO, and the appearance of these attractive stamps at once created such a widespread interest that those who were far-sighted enough to secure complete sets may now congratulate themselves upon having made a very sound investment. Supplies were limited, and the demand proved enormous, many new collectors having been attracted to stamps as a result. As so often happens on these occasions, the vast majority of orders placed were for mint, or unused, specimens, with the consequence that genuinely used ones are now worth a good deal more than the unused.

Some indication of the demand for the complete collection of over 250 stamps of the

Agencies"—those stamps intended for use in the Spanish Zone in the North. Our Agencies there used the ordinary British Jubilee issue, overprinted with the words "Morocco Agencies" vertically at the sides and with the value in Spanish currency along the bottom. In some way the fourth stamp of the fifth row of a fairly late printing shows the value expressed as "10 centimes" on the penny red stamp, instead of "10 centimos," as appears on all others. This error was very soon corrected and is very rare. Needless to say, a tremendous demand exists for specimens, as much as £20

—that the ordinary collector sits up and takes notice. Now the Silver Jubilee stamps emanating from South Africa have in any case proved an extra-attractive set to the collector—they were issued in bi-lingual pairs, and are usually collected thus. It so happens, however, that on one stamp per sheet (the 1st stamp in the 16th row horizontally) in all four of the values—½d., 1d., 3d., and 6d.—a flaw appears of such dimensions that it looks almost as if there were a gash on the King's head. Such specimens are well worth from ten to fifteen times the normal price, and that means up to £2 apiece.



An illustration of the "Centimes" misprint

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LETTERS TO THE EDITOR

TRANS-ATLANTIC RECEPTION

Very Poor

SIR,—I read with interest Mr. Barron's letter on the above, and I, personally, have found trans-Atlantic reception very poor for some months. It is true that from time to time good signals have been audible from the more commonly-heard transmitters, but so far this winter not one of those signals-on-every-channel nights, so common two or three winters ago, has come along.

I found January very indifferent, but had two "hot" catches in VOWR and CJCB. I have received verifications from ninety different stations on medium waves. Except for Cairo, these are all situated in the Americas. Some of the best are: WBBR, KSL, WRNY, CKLW, WINS, WHK, WORC, CMC, CP4, CPX, WSMB, WFEA, WTOC, KPO, KNX, KOA, YVIRC, CHNS, WORK.

Yours faithfully,

R. T. COALES.

Southsea, January 31, 1936.

Splendid Results

SIR,—Mr. G. Barron's letter in your issue of January 31 prompts me to write to you. I had splendid American reception yesterday morning, February 4, from 3 to 5 a.m.: WNEW, WNAC, WCAU, WHAM, WPG, WBT, WTAM, WTIC, KYW, WBZ, WABC, WGY, WJZ, WOR.

The programmes comprised dance music; *The Merry Wives of Windsor*; a dramatised version of 600 Years of English History, from WBZ; and a talk on Darkest Africa, from WPG. There was also a good deal of politics. It was WNEW that claimed my attention most. Here I listened for nearly an hour to the commentator's description of a sports meeting in Madison Square Gardens. I was more than amazed to find this station and WNAC coming in so strongly, as on looking up your "Trans-Atlantic Number" I found them given as 1-kW stations. I tuned in again this morning, to find yesterday morning's list improved on by the addition of WJR, WSB, and LV2, Córdoba. I finished at WOR. The only weak links in this morning's reception were WNEW, WNAC, WSB; all the others were first-class, with an almost entire absence of background noises.

Yours faithfully,

JOHN P. WALSH.

Cliftonville, Belfast, February 2, 1936.

THE DROITWICH EFFECT

SIR,—While I do not doubt that what Mr. Shorter says is the result of his own experience, I cannot agree with him that Major de la Ray is in error, as in all probability Major de la Ray's experience is the same as mine, which is that the interference on Stuttgart is caused by Droitwich.

In proof of this I have the following facts to offer:—

1. Prior to the opening of Droitwich, at a time when Luxembourg was already "on the air," I had no interference at all on any medium-wave station.

2. Since the opening of Droitwich I do get such interference on several medium-wave stations—to name two only, on Stuttgart and on Hilversum.

3. In each case, and on each occasion, I have definitely identified the programme as coming from Droitwich. Last night, for example, I could hear the chamber music from Droitwich on the Hilversum wavelength. You will observe, Sir, that I am not attempting to disprove anything reported by previous

correspondents, but merely to show that those who complain of Droitwich are not in error: some may be affected by Droitwich and others by Luxembourg, for which locality must apparently be blamed.

While on the subject of Hilversum, I was interested in Mr. Ramsay's experiences at Moretonhampstead. Mr. Ramsay might be equally interested to know that here I get a delightful heterodyne between Hilversum (Kootwijk) and Brasov, so that all programme value pertaining to Hilversum has now been destroyed for me. My set is a nine-valve super-het. of my own construction.

Yours faithfully,

HUGHE SELWYN.

Caernarvon, February 4, 1936.

LUXEMBOURG-KALUNDBORG

SIR,—In his letter, dated January 17, your correspondent, "Luxembourgian," fails in his attempt to defend Radio-Luxembourg, which is constantly inflicting upon the air a seemingly interminable quantity of noisy jazz.

Your correspondent adopts an extremely selfish attitude towards the service broadcasts from Kalundborg as mentioned by "Disappointed Listener."

Why should Luxembourg defy the l'Union Internationale de Radiodiffusion and be allowed to provide an aggravating background to nearly all stations above 400 m.?

My sympathies are extended to "Disappointed Listener."

Yours faithfully,

A. S. CHAMBERS.

Lancaster, February 7, 1936.

CRYSTAL-SET RECEPTION

SIR,—On the evening of the Prime Minister's Obituary broadcast, the British stations closed down early. About eleven o'clock I took it into my head to try an experiment in view of what I had read about crystal reception in WORLD-RADIO.

I have a good aerial, but a poor affair of a crystal set, with cat'swhisker and variometer tuning. On connecting the set to the aerial, I found considerable difficulty in striking a sensitive spot on the crystal, but ultimately succeeded. Very faintly, but very clearly, I heard a station—probably Athlone—playing the "Londonderry Air;" then I heard the closing-down of Hamburg; and finally I picked up a French station. An announcer from this last station was referring to the death of his late Majesty. This was followed by the National Anthem, played three times, and then, to my great surprise, there followed a complete record of the Prime Minister's speech. Immediately thereafter a translation into French was read. The translation stopped short at the end of the references to King George; possibly there had not been time to complete the translation of that part of the speech which referred to the new King, but, even so, it seemed to me a

(Continued at foot of column 3)

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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INDIAN BROADCASTING

Reorganisation of the State Service

(From our Delhi Correspondent)

A COMPREHENSIVE scheme for the reorganisation of the Indian State Broadcasting Service has just been examined and approved by the Standing Finance Committee of the Indian Legislative Assembly. Mr. Fielden, Controller of Broadcasting, submitted, and the Committee approved of, "standard" service to embrace improvements on both the programme and technical sides.

Mr. Fielden explained to the Committee that it is not easy to secure the services of really good artists: the best Indian musicians can find remunerative employment with the film and gramophone companies. He wishes every station to produce a programme of seven to eight hours daily, costing about £25 per station per day as fees for artists.

The Committee noted that the BBC have kindly sent the head of their Research Department to India to advise on the technical side, and that he should be in a position to report within a short time.

The following licence figures were put before the Committee:—

YEAR	NO. OF LICENCES.	YIELD OF LICENCE FEES AND CUSTOMS DUTY.
1933/34	12,214	Rs. 5,29,000
1934/35	18,412	9,49,000
1935/36	(Estimated 25,000)	10,25,000

Czechoslovakia's Tribute to King George

THE news of the passing of H.M. King George V was broadcast in Czechoslovakia on January 21 at 6.24 a.m. A second announcement followed at 7 a.m. Thereupon stations closed down as a sign of mourning until 9.35 a.m., when broadcasting was resumed with the music of Elgar and Handel. The programmes of that day, as well as of all the following days up till January 29, were recast, light music and vaudeville items being eliminated and replaced by serious music; on January 21, Mr. V. Mathesius, Professor of English Literature at Prague University, paid a tribute to the deceased King. On the day of the funeral, the morning as well as the afternoon commentaries were relayed, accompanied by a short Czech translation. The last tribute to the departed King was paid during the evening of January 29, when a special programme was broadcast, consisting of a selection of dramatic scenes and recitations from English literature, from Shakespeare to Kipling, representative of the best qualities of the British character.

(Continued from column 2)

very smart piece of work, for both the recorded speech and the translation were excellent.

Yours faithfully,

WM. A. CAMERON.

Aberdeen, February 4, 1936.

DAYLIGHT RECEPTION

Fishermen's Stories

SIR,—I very much regret to see in your estimable journal letters from people who seem to imagine that radio is a sport about which to boast and exaggerate, like angling and similar sporting pursuits—these sports being, of course, proverbial training-grounds for instruction in the use of hyperbole.

Radio is a science, and stations should be "logged" on a scientific basis. The standard usually accepted is not to count a "catch" which does not provide full programme value for more than a quarter of an hour.

This reduces the possible log between 12.30 and 15.30 to a maximum of twelve stations.

Need I say more?

Yours faithfully,

W. T. PALMER.

Clapham, S.W.4, January 24, 1936.

FRENCH

Tuesdays, 6.55-7.25 p.m. (National Programme).

(A) Remarques sur la liaison (Suite).

Il n'est pas rare d'entendre les enfants, et les gens sans grande instruction, faire des liaisons dangereuses qui montrent bien qu'ils n'ont qu'une connaissance imparfaite de la langue écrite. Par exemple, ils font entendre des liaisons par le z ou le t alors qu'aucune liaison n'est possible: *donnez-moi-z-en; il va-t-et vient; menez-moi-z-y; j'ai-z-eu; il va-t-à la maison; elle a-t-été malade*, etc. . . . La liaison fautive par le z s'appelle *velours*; l'autre s'appelle *cuir*.

Mais il est encore une autre classe de liaisons dangereuses appelées *pataqués* ou *pat-à-qu'est-ce*. Le *pataqué* consiste à lier par le t au lieu de lier par le z, et vice versa. Dire: *il n'est pa-t-arrivé* (au lieu de *pa-z-arrivé*); *elle n'est poin-z-aimable* (au lieu de *poin-t-aimable*); etc. . . . c'est faire des *pataqués*.

Les fautes de ce genre: *cuirs, velours* et *pataqués*, étaient bien plus fréquentes autrefois que de nos jours. Certaines liaisons fausses ont fini par s'établir; c'est ainsi que dans *aime-t-il? donne-t-elle? a-t-il? ne voilà-t-il pas?* etc. . . . un t s'est introduit, sans doute pour éviter l'hiatus, mais surtout par analogie avec d'autres formes telles que: *part-il? vient-elle? finit-il? aimait-elle?*

(B) Key to Exercise B, p. 74. Course.

(1) Voulez-vous me prêter votre auto?—Oui, je vous la prêterai (. . . *je veux bien vous la prêter*) si vous promettez de la conduire avec soin. (2) Mon ami a emprunté mon parapluie hier soir, mail il (me) l'a rapporté ce matin. (3) Ne leur dites pas que nous vous avons donné le petit chat. Nous avons refusé (*nous refusâmes*) de le leur donner. (4) Moi, je crois que vous devriez le lui rendre. (5) Eux seuls peuvent vous aider. Moi, je n'y peux rien. (6) Donnez-les-lui et dites-lui de les garder avec soin.

(C) Key to Exercise C, p. 75. Course.

(1) Dites-moi. Ne me dites pas. Dites-lui. Ne lui dites pas. Dites-leur. Ne leur dites pas. (2) Donnez-les-lui. Ne les lui donnez pas. Donnez-les-moi. Ne me les donnez pas. Donnez-les-leur. Ne les leur donnez pas. (3) Montrez-les-moi. Il me les montre. Montrez-les-lui. Il les lui montre. Montrez-les-nous. Il nous les montre.

(D) Key to Exercise C, p. 144. Course.

(1) Nous avons pris beaucoup (*un grand nombre, . . . une grande quantité*) de poissons dans le lac ce matin; mais nous n'en avons pas rapporté à la maison (*chez nous*). Ils étaient trop petits. (2) Quand les enfants sont allés faire un pique-nique (. . . *faire un repas champêtre, . . . faire un déjeuner sur l'herbe*) la semaine dernière deux petites filles sont tombées dans le lac. (3) Où est la brouette que nous avons remplie de sable?—Le jardinier l'a prise (. . . *l'a emportée*) et l'a mise sous les peupliers.

(4) Le pêcheur a pris (. . . *a emporté, . . . prit, . . . emporta*) la bouteille qu'il avait trouvée sur la plage et l'a donnée (. . . *l'a remise, . . . la donna, . . . la remit*) à l'agent.

(5) Ne sachant pas lire l'allemand (*Comme il ne savait pas lire l'allemand*), il envoya la lettre à son maître, qui la traduisit pour lui. (6) La roue cassée de ma bicyclette a été réparée. Mon cousin l'avait cassée et il doit la payer (*et il doit payer les réparations*).

(7) J'ai lu la lettre qu' Henri (*que Henri*) a écrite à son oncle et je lui ai dit de la mettre à la poste (. . . *de la jeter à la boîte*).

(8) En Bretagne, en causant avec les habitants (. . . *quand on cause avec les habitants*), on entend des histoires de revenants.

(E) Key to Exercise E (6 to the end), p. 160. Course.

(6) Le cheval ne fait pas de bruit en courant

FOREIGN Languages

sur la neige, mais on peut (*vous pouvez*) entendre les clochettes du traîneau sur le harnais.

(7) Si ces hommes qui travaillent dans la neige toute la journée ne portaient pas de lunettes bleues, la lumière blanche pourrait leur faire mal aux yeux.

(8) Quand mon oncle qui habite la Hollande (. . . *qui vit en Hollande*) était jeune homme, il passait beaucoup de temps à patiner sur les canaux glacés. Il aime encore (. . . *toujours*) à patiner, mais son travail l'empêche (. . . *ne lui permet pas*) de le faire très (*bien*) souvent.

(9) Il a neigé pendant la nuit, et la neige a couvert les glissades que nous avons faites hier. Elles sont dangereuses, car quelqu'un (*on*) pourrait y marcher (. . . *pourrait marcher sur elles*) sans le savoir.

(10) Mon petit frère a fait beaucoup de boules de neige cette (*ce*) après-midi et (il) les a mises, près de la porte du jardin. Quand nous avons passé il nous en a lancé, et alors il s'est caché derrière le mur.

(F) Text of the Dictation given on Tuesday, February 4

"Pourquoi n'avez-vous pas nettoyé mes souliers?" demande le maître à son domestique. —"Parce que vous allez bientôt les salir, puisque vous sortez."

Quelques instants après, le domestique a fait; il voudrait déjeuner.—"Ce n'est pas la peine de manger maintenant," s'écrie le maître, "puisque dans deux heures vous aurez encore faim."

E. M. STÉPHAN.

SPANISH

Thursdays, 6.55-7.25 p.m. (National Programme).

Personal Object Pronouns (I)

You have already had some explanations and practice of the use of the conjunctive and disjunctive pronouns, in WORLD-RADIO of November 22 and subsequently. We can now deal with the use of Two Object Pronouns in the same sentence. But first of all I think many of you will welcome the following "refresher" explanations:—

The Direct Object (Accusative Case) of a verb, is that which directly receives the action of the verb. The Indirect Object (Dative Case) is that which indirectly receives the action of the verb. The D. Obj. can be identified by asking "What?" and the Ind. Obj. can be identified by asking "to (or for) whom?" Examples: Anne sent John a letter: (*Ana mandó una carta a Juan*). Anne sent, what? A letter, therefore "letter" is D. Obj. Anne sent a letter, to whom? To John, therefore "John" is Ind. Obj. He gave it to to-me; he gave, what? It; therefore "it" is D. Obj., he gave it, to whom? to me, therefore "to-me" is Ind. Obj. (*Él me lo dió*).

Rule I. Conjunctives precede the verb in the Indicative and Subjunctive, and follow the verb (joined to it) in the Infinitive, Pres. Participle, and Imperative (affirmative). *Me gusta el libro; espero que me escriba* (Subj.); *quiero verlo; está escribiéndole; hágame el favor de venir*.

Rule II. The conjunctive pronouns are absolutely necessary, whereas the disjunctive pronouns are used for emphasis, or to avoid ambiguity in the 3rd persons: *No me gusta el libro a mí* (emphasis) *pero le gusta a ella* (explanatory).

Rule III. The above "refresher" will be specially helpful here. When two object prons. are used, the Indirect (Dative) precedes the Direct (Accusative). This may seem confusing,

so let me put it this way: *merely reverse the order of the English pronouns*: They give it (D. Obj.) to-me; (Ind. Obj.) becomes: they give to-me it: *ellos me lo dan*. He showed it to-us: (to-us it) *él nos lo mostró*.

Rule IV. When both pronouns are in the 3rd persons, then the Dative *le* and *les*, change to *se* (and Rule III applies). He gave it to-her: *él se lo dió* (instead of "le lo," which is wrong). We write them (f) to them (f); *Se las escribimos a ellas*; (here *a ellas* clears up the meaning in *se*). They show them (m) to-him; *ellos se los muestran a él*, (*a él* explains *se*). She writes it to-you (Vd); *ella se lo escribe a Vd*. She writes it to-you (Vds) *ella se lo escribe a Vds*. The only way to remember this rule, is to repeat aloud: *se lo, se lo, se lo, se lo*, till you are sure, that if ever you say "le lo" you will catch yourself up, because it will sound wrong. Next week I shall give you more help for these difficulties, and examples of the pronouns with other moods (*lo* can become *los, la, las*).

Key to Ex. I (WORLD-RADIO, February 7). King George V was buried in Windsor C. on the 28 Jan., 1936. Edward VIII was proclaimed King of England the day after the death of his illustrious father (notice the Infinitive, but one could say, . . . *la muerte*). The foreign kings and princes were received in London by the English princes. When they are good and worthy, kings are always loved by their subjects. (N.B.—*los reyes*: the def. art. is used before nouns which are used in a general sense.) Edward VIII will be crowned next year.

Key to Ex. II (WORLD-RADIO, February 7). When is the second rule of the P.V. used? It is used when the subject is inanimate. Where are the English Crown jewels kept? They are kept in the Tower of L. Where are those goods manufactured? They are m. in Leeds. They are sold in all the countries of the world. I do not say that, because it is not said.

Key to Ex. III (WORLD-RADIO, February 7). Girls, where are you seated? We are seated in the garden. Is the door of the house open or shut? The door is open. The "Quijote" (Don Quixote) is translated into Eng. and into nearly every language. Those letters are written in a foreign language. The meal (dinner) is prepared. Those books are not yet finished.

Key to Ex. IV (WORLD-RADIO, February 7). Jorge V. *fué enterrado en el castillo de W. el 28 de enero*. ¿A qué hora se cierran las tiendas? *Se cierran a las seis*. ¿Se usan esos libros en las escuelas? No, pero *se usan* en las universidades. La electricidad (see N.B. in Key I above). *se usa ahora en casi todas las casas*. ¿Está escrito ese (aquel) libro en inglés o en español? *Está escrito en español*. Las ovejas fueron llevadas al mercado. El gerente estaba sentado en su oficina. El rey *fué representado por su hijo*. La noticia de la muerte del rey *fué difundida al mundo entero*.

Key to Ex. II (Lección 36) (1) leído; (2) leído, leído; (3) dado; (4) pagado; (5) llevado; (6) llegado; (7) llegado, llegado; (8) venido.

Some nouns ending in *-ma* are masculine: *el clima, el programa, el idioma* (language), *el sistema, el lena* (motto), *el tema* (theme, subject), *el dilema, el problema, el telegrama, el poema*. (Note that on page 215, *Primeras, el poema* should have *m* after it.)

MARÍA F. DE LAGUNA.

Esperanto Transmissions

Sunday—Lille, 9.15 a.m., Course. Leningrad (1,224 m.), 9.20 p.m., Malaperas Ursaj Anguloj En Rusujo. Monday—Sottens, 5.30 p.m., Supera Kurso. Radio.Lyon, 6.30 p.m. Course. Tuesday—Moravská-Ostrava, 4.25 p.m., Parolado pri Ĉeĥoslovakujo. Hilversum (301 m.), 6.20 p.m., Progresiga Kurso. Tallinn, 6.50 p.m., Informoj pri Estonio. Warsaw, Krakow, 9.45 p.m., Parolado pri Medicinaj Eminentuloj. Wednesday—Vienna, 5.35 p.m., Course. Informoj pri la Universala Esperanto-kongreso. Thursday—Leningrad (1,224 m.), 9.50 p.m., Homoj de la Ruĝa Armeo Estas Tre Ŝataj. Friday—Nice-Juan-les-Pins, 6.15 p.m., Course. Saturday—Hilversum (301 m.), 5.10 p.m., Esperantista Kroniko. Rome, Milan kaj Ĉiu Itala Stacio, 6.5 p.m., Turisma Prelego. Lyon-la-Doua, 8.5 p.m., Kroniko de S-ino Borel.

TELEVISION



The mobile unit used by the German authorities for "actualité" televising

Possibilities of the Ultra-Short Waves
Experiments in the U.S.A.

EXPERIMENTAL transmissions on the ultra-short waveband—i.e., above 30,000 kc/s or below 10 metres—are being undertaken by many American broadcasters with the encouragement of the Federal Communications Commission and its engineers. Within the last six months or so authorisations to operate experimentally on the ultra-short waves have been granted to about a score of experimenters, most of whom consider that, apart from the local-service possibilities of this band, their tests will point the way to ultimate technical efficiency of television transmission and reception in their respective areas.

This is a logical assumption, since the ultra-short waveband is in the portion of the spectrum that is being reserved for television, regarded by competent observers as an inevitable development in American broadcasting within the next half-dozen years, and includes the 31,600, 35,600, 38,600, and 41,000 kc/s bands. It also includes the more extremely short waves in the 86,000-400,000 kc/s bands, which are still regarded as radio's "No Man's Land" because as yet so little is known about them.

Television, when it eventually emerges from the laboratories, will be assigned to the 42,000-56,000 and the 60,000-86,000 kc/s bands, with its synchronised "sound tracks" on immediately adjacent frequencies. Thus, when television sets are on the market, since they will undoubtedly be combinations of "all-wave" sets capable of tuning in both "vision" and sound on a wide range of frequencies, the ultra-short-wave transmissions will be within easy tuning range.

Engineers of the Federal Communications Commission think that, within a year or two, they will know enough from the required reports of the experimenters to chart their future course with a greater degree of assurance.

The list of authorised experimenters, with a very few exceptions, at present includes companies already in the broadcasting field, nearly half of them newspapers, which are conducting their experiments largely during the regular operation of their broadcasting stations.

M. C.

Swedish Experimental Transmitter

(From our Stockholm Correspondent)

A television transmitter has been erected in Stockholm by a Swedish radio manufacturing firm. The transmitter, which is an experimental one, has been designed by two Swedish engineers, in collaboration with a German company. Its present power is 0.5 kW, and tests, consisting of the transmission of talkie films, have given satisfactory results.

LISTENERS' QUERY SERVICE

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The Alternative Postal Service

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

GOTTIT (Glasgow): WON, Lawrenceville (New Jersey), 20.4 m.; works with Great Britain; also used for relays from New York to the BBC. GRAMMARIAN (Goole): Radio-Toulouse, 328.6 m.; transmission of English music. JUNK BOX (Hayward's Heath): If W2CD, amateur in New York City; if G2CD, British amateur at Seven Kings, Ilford, Essex; please see note at end. KNOBTWISTER (Cork): (364) WCAU, Philadelphia (Pa.), 256.4 m., CBS programme. MOOR-LANE-PONTO (Erdington): W2XAD, Schenectady (New York), 19.56 m. (15,330 kc/s), relaying WGY, Schenectady, or WEAF, New York. MOUNTAIN PASS (Crewe): Lahti (Finland): relay of international boxing matches (Finland v. Sweden). SON OF ADAM (Glasgow): (1) Tallinn (Estonia); English lesson relayed from Dirpat; (2) Cork (I.F.S.); (3) yes, Radio-Paredo (Portugal), 291 m.; (4) regret it is impossible to say which transmitter you heard, as there are a number of small Belgian stations working on channels around 200 m. EAST HAM (Lincoln): (9) address required (CO9GC): Laboratorias Radio Electrica, Grau y Caminer, P.O. Box 137, Santiago, Cuba. O.K. (Oxford): Wavelength vague, but possibly LSY, Monte Grande (Buenos Aires), on 16.56 m. (18,115 kc/s), which is sometimes used for relays of Buenos Aires broadcasts. BETHGELERT (Crawley): (1) LZA, Sofia (Bulgaria), 20.04 m. (14,970 kc/s), 7 kW; advertised in official lists as a telegraphy transmitter only, but is apparently now testing telephony; (2) the call was "Pronto," the Italian word used for "Stand-by," followed by "Asmara"; this is reported to be a new Rome transmitter on 20.37 m., now testing with Asmara (Eritrea). R-D (Dorset): (361) GAD, believe Rugby; no details available; VQG4, Nairobi (Kenya Colony), 19,630 kc/s (15.28 m.); (362) FZS4, Saigon (French Indo-China), 12,015 kc/s (24.97 m.). LANGDON, (Blackpool): (1) WEM and WEL, Rocky Point (N.Y.) on 40.54 m. (7,400 kc/s) and 33.52 m. (8,590 kc/s), respectively; transmission apparently received through the WCG channel on 28.9 m. (10,380 kc/s). U.S.'SER (Wheatstone): (1) there are eight U.S.A. stations working on 340.7 m.: the one which you are most likely to have heard is WGBI, Scranton (Pa.). A. H. D. (Preston): An extended transmission from Oslo, not advertised in the programme; received through Trondheim, Fredrikstad, Bergen, etc., and Christiansand, etc. DORIN (E.1): WJZ, New York, 394.5 m.; WTIC, Hartford (Conn.), 288.3 m.; WABC, New York, 348.6 m. WATERLOO (Midlothian): MNG, North Ronaldshay Lighthouse, 1,019 m.; GGC (not GGX), Mull of Kintyre Lighthouse, 1,008 m.; MMC (not MMX) Cromer Lighthouse, 1,029 m.; all details required regarding these transmissions will be found in the List of Stations Performing Special Services, obtainable from the Bureau de l'Union Internationale des Télécommunications, Berne, Switzerland; U.S.A. station heard: KSL, Salt Lake City, (Utah), 265.3 m.; CBS station: WPG, Atlantic City (N.J.), also belongs to this network. WORLD-WIDE LISTENER (Cousdon): HJ4ABD, Medellin (Col.), 52.15 m. (5,752 kc/s); works daily (ex. Mon.), 12.30-4 a.m. G.M.T. GINGER (Birmingham): PMN, Bandoeng (Java), 29.24 m. BUMBLE BEE (Dolton): GBB, Rugby, 22.08 m., and CGA3, Drummondville (Quebec), on 22.58 m., which works telephony with Great Britain; Baldoek (Herts) is the receiving station. DOC (Glasgow): We can trace the following calls: GGC, Mull of Kintyre Lighthouse, 1,008 m., GNF, North Foreland Radio, 197.4 m. (1,520 kc/s); XGV and XGR, Shanghai, on 40.49 m. (7,410 kc/s) and 26 m. (11,540 kc/s) respectively; DFT, Nauen (Germany), 38.4 m. (7,812.5 kc/s); ZHJ, Penang (Straits Settlements), broadcasting station on 49.3 m. (6,085 kc/s); PMD, Bandoeng (Java), 37.52 m. (7,995 kc/s); PDS, Kootwijk (Holland), 27.96 m. (10,730 kc/s); LSD, Monte Grande (Buenos Aires), 33.98 m. (8,835 kc/s); OPM, Leopoldville (Belgian Congo), 29.59 m. (10,140 kc/s); FYC, Paris T.S.F., 18.83 m. (15,930 kc/s); HSP, Bangkok (Siam), 16.91 m. (17,740 kc/s); CNR, Rabat (Morocco), 23.38 m.

(12,830 kc/s), 12 kW, works telephony with France MITRE (Edgware): (1 and 2) many Continental stations broadcast an electrical recording of the funeral ceremony of King George V; apparently you heard Trondheim (Norway), relaying Oslo, and Radio-Toulouse. SHORT-WAVE HAM (Lincoln): Regret, but cannot trace on wavelength given. ALL OVER (Langold): Not advertised in programmes, but this was an extended programme from Oslo received by you through the following channels: Hamar, Fredrikstad, Bergen, etc., Christiansand, etc., and Rjukan. PILOT (Cardiff): (1) believe this to be HJ1ABE, Sincelajo (Colombia), 42.24 m.; this is the old transmitter of HJ1ABE, Cartagena (49.05 m.); (2) possibly WOV, Lawrenceville (N.J.), 23.36 m. (12,840 kc/s), 20 kW. ETHERWAVE (Bournemouth): (1) CRCX, Bowmansville (Ont.), 49.26 m. (6,090 kc/s); (2) cannot account for this reception; (3) Scheveningen-Haven (Holland); commercial transmissions only on 1,205 m.; (4) possibly IRY, Rome, on 18.61 m. (16,120 kc/s). NIGHT HAWK (Horsham): (1) call is incorrect, cannot trace; see footnote; (2) short-wave relay of WHAM, Rochester (N.Y.), on approximately 9 m. KGIN (Potters Bar): Apparently the fourth harmonic of Cork (relay of variety programme from Dublin). RUSPY (Barcelona): Details would point to either RKB or RAN, Moscow (U.S.S.R.), telephony transmissions on 6,700 kc/s and 6,710 kc/s, respectively; power 15 kW. RADIO (Aden, Arabia): The call-prefix "HF" does not exist; the prefix "HS" is that of Siamese amateur transmitters; regret, can trace no transmission with call-sign anything like the one you give near the channel indicated. PAT. A. W. (Gibraltar): (4) regret, but cannot trace any direct broadcast transmission on this wavelength; (5) PDK, Kootwijk (Holland), on 28.82 m. (10,410 kc/s), works telephony with the Netherlands East Indies; (6) cannot trace on wavelength given. DOT-KING (Kent): No, more likely to be HJ1ABE, Sincelajo (Colombia), reported to be working on 42.24 m. (7,100 kc/s); Lobito (Angola) is not advertised to work so late. CURIOUSER AND CURIOUSER (Minchinhampton): If you are sure language was not German, yes, Karlskrona (Sweden), relaying a concert from Stockholm, which included a Handel Concerto, Variations on Theme by Haydn (Brahms), and a Beethoven Concerto for pianoforte and orchestra. WANG (Grimsby): (1) might tally with HJN, Bogota (Col.), on 50.42 m. (5,950 kc/s); (2) HJ5ABD, Cali (Col.), on 46.21 m. (6,490 kc/s); (3) possibly HJIS, Puerto Plato, Santo Domingo, on 46.73 m. (6,420 kc/s); interval signal, three chimes; call: "La Voz de Spanola"; (4) HJ1ABB, Barranquilla (Col.), on 46.52 m. (6,447 kc/s); (5) possibly HJ4E, Santo Domingo (Dominican Republic), on 45.73 m. (6,560 kc/s); call: "La Voz de Quisqueya"; it is the only Spanish-speaking broadcast to be heard on or near that wavelength. PATHFINDER (Hale): (1) LR2, Radio-Argentina, 329.7 m.; (2) LR6, Radio-La Nación, 344.8 m.; (3) LS8, Radio-Stentor, 243.9 m.; (4) LS2, Radio-Prieto, 252.1 m.; (5) LR9, Radio-Fenix, 291.3 m.; all at Buenos Aires. PM/PDRJ (Manchester): Surely Marseilles-Reactor PTT testing. ALL-WAVE (Long Eaton): Please number your queries. (1) HJ4ABB, Manizales (Col.), on 49.15 m. (6,105 kc/s); (2) CO9GC, Santiago (Cuba), on 48.78 m. LLOYD (Cambridge): (2) VV4RC, Caracas (Ven.), on 47.05 m.; interval signal: one note.

AMATEUR TRANSMITTERS

The identity of amateur transmitters may be found in the "Radio Amateur Call Book," the Winter Edition of which can now be obtained, price 6s. post free, from the Publications Department, BBC, Broadcasting House, London, W.1. The 1936 Edition of the "Radio Amateur's Handbook" is also ready and may be obtained, price 5s. 3d. post free, from the above address.

WAVELENGTH DEVIATIONS

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

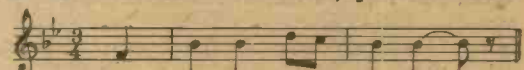
	kc/s	m.
Moscow 1 (U.S.S.R.)	172	1,744
Istanbul (Turkey)	185	1,621
Tiflis (U.S.S.R.)	283	1,060
Finmark (Norway)	345.7	867.8
Hamar (Norway)	511.4	586.5
Tartu (Estonia)	515	582.5
Cork (Irish Free State)	1,237.3	242.4
L'île de France (France)	1,366.2	219.7
Binche (Belgium)	1,487	201.7

STATION IDENTIFICATION PANEL

BORDEAUX-LAFAYETTE (PTT)
(FRANCE)

FREQUENCY: 1,077 kc/s; WAVELENGTH: 278.6 m.; POWER (COPENHAGEN): 25 kW.
DISTANCE AND BEARING FROM LONDON: 460 miles; 183°.
OPENING SIGNAL: Siren of boat repeated three times.

CALL: "Bordeaux-Lafayette."
INTERVAL SIGNAL: "Se Canto, que Canto..."



Man announcer.
Closes down with a few bars from "Sur les Bords de la Garonne."

IDENTIFICATION COUPON (No. 366)

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 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.)

Making the Most of a Meter

MANY listeners, particularly past or present owners of battery receivers, possess a meter of some description, very likely a three or four-range meter giving readings of, perhaps, 0-6 volts, 0-150 volts, a milliampere range, and, possibly, a continuity or resistance range. Very often, the only use this meter gets is to check the battery voltages when the set has failed—just to make sure the fault lies in the power supply. A meter can be a very valuable accessory if full advantage is taken of its possibilities, and the following suggestions are intended to show a number of ways in which it can prove of assistance in the prevention as well as the tracing of faults.

Owing to the low filament voltage of a battery receiver, the contacts of the L.T. switch must be exceptionally good and are a comparatively common source of trouble. If the receiver fails, the continuity of this switch may be tested by connecting the resistance range of a meter to the L.T. leads; the L.T. accumulator must, of course, be disconnected. When the set is switched on, the meter should indicate a few ohms, perhaps two or three, the valves being cold. If a high or "infinity" resistance is indicated the switch is probably faulty.

A good test of the efficiency of the L.T. switch may be made with the six-volt range of a meter while the set is switched on. The voltage at the accumulator terminals should first be measured, and then the voltage across the filament pins of one of the valves. Provided the L.T. connexions are reasonably short, the difference between the accumulator voltage and that measured at any valve socket should be less than one-tenth of a volt. In at least one case recently investigated by the writer the voltage drop across a faulty switch was found to be over half a volt, and resulted in weak reception and "fading."

Testing the Volume Control

The volume control is another point where trouble may occur owing to faulty contact. If access can be had to the control it can be tested by connecting the resistance range of a meter between the slider (the centre terminal) and either end of the resistance. When the knob is rotated slowly the meter should show an even change in resistance. Bad contact of the slider with the resistance will be indicated by jerky movement of the meter needle, a broken turn by a sudden jump of the needle to infinity resistance or to a considerably different value.

The effectiveness of the volume control can also be checked by connecting a milliammeter in the anode circuit of one of the controlled H.F. valves. This is usually quite easily managed by removing the flexible connexion to the valve cap and connecting a milliammeter, which may be shunted by a fixed condenser if an A.V.C. circuit is to be checked in action. Sometimes, with the meter in the latter position, instability occurs, and this possibility should not be overlooked. If all is well, rotation of the volume control knob should cause a steady rise or fall in the H.F. anode current. The variation in total H.T. current might be noted as an alternative, but in the case of a battery receiver the Q.P.P. or "Class B" valves should be removed during the test if a signal is being received or if there is any crackling.

It might be noted that the components mentioned can be checked without removing the chassis or making any alteration in the wiring. Quite a lot of information can be obtained with the chassis in position, by means of a meter with a resistance range, or simply a voltmeter or milliammeter in series with a battery. The continuity of the anode circuits of the various valves may be checked between the anode

socket of each valveholder and the battery tapping from which it is supplied. The resistance of the various components in the detector anode circuit will probably give the highest total, which may amount to 30,000 ohms or more in a battery receiver.

In a mains receiver the test may be between the anode sockets of the respective valves and one of the filament sockets of the rectifier valveholder, or the centre socket of the latter if the rectifier is indirectly heated. The total resistance in the anode circuit of a mains valve is almost certain to be much greater than in that of a corresponding battery valve. The main point to establish in these tests is continuity, and not the exact value of the resistance. In this manner the continuity of coupling and de-coupling resistances, anode coils, and L.F. transformer primaries can be checked. If a circuit diagram of the receiver to be tested can be consulted, a number of possible testing points for different components may be seen at a glance.

Battery Voltages

A meter used regularly will prove of considerable assistance in preventing faults, especially in battery receivers. Where fairly high H.T. voltages are employed the grid-bias battery should be checked regularly, since, if it runs down, the resulting load on the H.T. battery will quickly run it down too—with the further possibility of damage to the L.F. valves. The grid-bias battery requires special attention when H.T. is supplied from an accumulator, as, in many receivers, there is a resistance across the grid-bias battery that is supposed to run it down at the same rate as the H.T. battery and so give an automatic adjustment of bias. The latter resistance is a disadvantage with H.T. accumulators, and should be removed if possible; if not, the G.B. voltage should be checked about once every three or four weeks and readjusted if necessary.

Whenever continuous crackling or distortion occurs in reception, the H.T. dry-battery voltage should be checked. If the voltage between any pair of sockets is much less than half of what it ought to be, these sockets may be "shorted" with advantage. Regular tests of voltage towards the end of discharge of an L.T. accumulator will help to prolong the life of the latter if it is sent for re-charge before the voltage drops below 1.85 volts per cell. During the greater part of discharge the accumulator voltage remains steady at about 2 volts, but once it falls below 2 volts it tails off fairly rapidly, and this is the time to watch it carefully.

In a mains set regular measurement of the anode current of the output valve is, perhaps, the most useful check on performance. It is an advantage to fit a meter permanently in this position, a non-polarised, moving-iron instrument costing eight or ten shillings will be quite suitable for continuous running. A large drop in anode current might be a sign of failing emission of either

the rectifier or the output valve; if the latter, it should soon be replaced, since a considerable rise in voltage may occur on the anodes of the other valves, which might damage them or the smoothing condensers. Any sudden change in, or failure of, the anode current is a sign that the set should be switched off and the cause investigated immediately. A meter in the output stage will also act as a distortion indicator, since the needle will "kick" if the valve is overloaded.

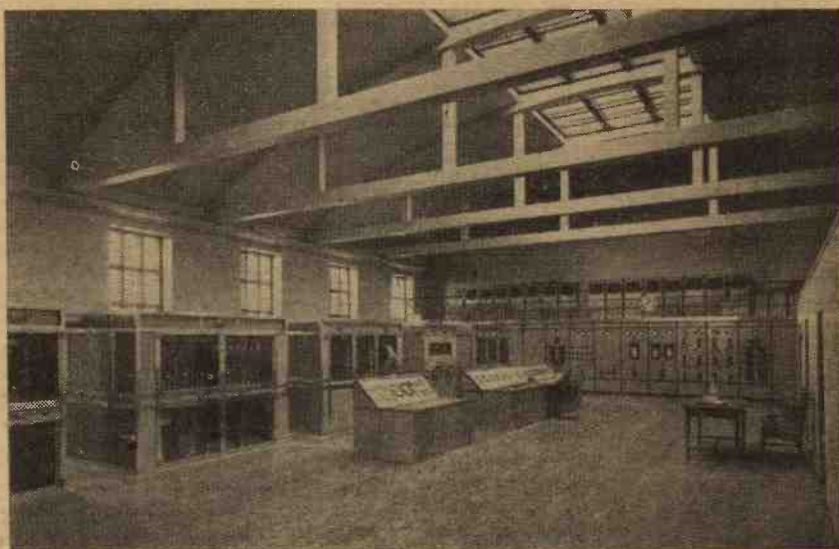
Where a good meter is available, it is interesting to keep a record of battery and valve performance. The number of hours of use plotted against battery voltage makes an interesting record by which different makes and sizes of batteries can be compared, so that the most economical size for a given set can be found. Regular readings taken on three or four different batteries may result in a useful saving in running expenses, and individual readings will only take a few minutes to record. A record of valve emission will also prove useful, provided a reading is taken when the valves are new, so that it can be used for future comparison. Various methods of checking valve emission with the aid of a meter have been mentioned recently in *WORLD-RADIO* (December 27 last), and these articles may be consulted for further information.

Checking Resistances

Where doubtful components are to be tested, the resistance range of a meter will prove invaluable, since the internal resistance of most components is too high for a rough test with a flashlamp bulb or similar indicator. With an H.T. battery in series with a high-voltage range, resistances of up to 1 megohm can be measured. Such high ranges are useful for testing for partial breakdown between primary and secondary and core of L.F. and mains transformers, and for condenser tests. These components should, incidentally, be completely disconnected from the circuit before a reading is taken. When electrolytic condensers are to be tested they must be connected in the right "sense," the centre terminal being positive and the case negative in metal-cased condensers.

Incidentally, in the case of meters with a resistance range and self-contained battery, the polarity of the test prods on the resistance range is not necessarily that indicated by their colour, a point particularly to be remembered when testing electrolytic condensers. Electrolytic condensers show a resistance of 10,000 to 15,000 ohms for a moment, and this value quickly rises to a megohm (a million ohms) or more. Paper condensers give a momentary reading only while charging up, and, if good, should then give no further reading.

A. W.



Transmitter Hall of the Lahti high-power station

THE SHORT WAVES

South American Review

Reception of the short-wave stations of South America during January

RECEPTION conditions proved good during the first week or so of the period under review—as predicted in the December report—but deteriorated considerably about January 18, when the static and noise level prevented good reception, particularly on the 49 m. band: however, reception of one or two interesting stations was recorded.

VP3MR (42.4 m.), which is arousing a great deal of interest, was very good on January 2 being R7LS at 22.30 (G.M.T.) when an excellent programme of local talent was being broadcast. As I listened, I wondered whether the five-year-old songster, then at the microphone, was aware that his voice was audible some 4,500 miles distant! COCD "La Voz del Aire" (48.92 m.), HIZ, YV2RC, YV5RMO, YV8RP, YV6RV, and the diminutive HI1J (51.15 m.) were all heard at good strength before midnight. YV4RC, using the title "Ecos del Aquila," was R7-8 at 23.30 on January 3, whilst "Radioemisora Philco" (48.85 m.), HJ4ABG (or P) was R6.

On January 4 I received TIX, HJ4ABE, PRA8 (49.67 m.), HJ5ABC, HJ4ABC (46.44 m.), HJ5ABD, TIPG, and HCJB, now on 34.2 m. A recently received QSL card from HJ5ABC, printed in the national colours of the Colombian Republic, gives the address as "La Voz de Colombia," Radioemisora HJ5ABC, Calle 12 No. 235, Cali, Valle; power 150 watts, and their schedule: Tuesday, Wednesday, Thursday, Friday, and Saturday—00.00 to 03.00; Sunday, 17.00 to 19.00; also daily, 16.00 to 17.00 (G.M.T.). It is their proud boast that "more radio sets are tuned to HJ5ABC on the Pacific Coast than to any other radio station."

Georgetown and Mexico City

VP3MR was again good on January 6, being R7 at 22.45; YV2RC, YV6RV, and HIZ were all heard before 00.00, but were only "fair" signals. At this time the station of the Mexican National Bank—XBJQ (27.26 m.) P.O. Box 2825, Mexico City—was logged for the first time, but was only R3 and closed down shortly after. Incidentally the simplest way to identify this station is to listen carefully during the broadcast when the ticking of a clock should be heard. Broadcasts are now apparently confined to official announcements, as the programmes previously given have been discontinued.

On January 8, Georgetown was once more a fine signal, and at 22.45 a clock was heard striking seven. HIZ and HIL (46.13 m.) were both R6 at 23.15 on the following day, but HI1J was weak; so too, was Bogota HJ3ABF (48.62 m.), being but R3. At 23.35, a newcomer, namely, YV12RM Maracaibo, operating on 47.53 m., was heard with fair intelligibility, and it was noticed that the station announcement given every fifteen minutes, incorporated the slogan "Veinticuatro de Julio." Thirty minutes later the Dominican HI1A "La Voz del Yaque" was observed on 48.5 m., but poor strength (R3) prevented the securing of accurate details of their transmission. Within the next hour VP3MR, HJ1ABD, HCJB, HJ4ABE, TIX, HJ4ABD, and YV1ORSC were all logged.

Dominican Stations

"Veinticuatro de Julio" (47.53 m.) was a much improved signal at 22.47 on January 10, and, at the same time, the adjacent HIZ was slightly stronger. Another Dominican, HI4D, whose appearance in the log book is comparatively rare, was heard on the following day at 22.56; an R6 signal, but subject to a great deal of morse QRM; COCO (49.92 m.), YV8RB (51.02 m.), HJ1ABE (49.05 m.), and HJ4ABC

(49.34 m.) were all R5-6 at this time, and at 00.03 (January 12) the well-known HJ1ABB, "La Voz de Barranquilla" (46.52 m.), was an excellent signal, this, no doubt, being due to the fact that they are now using a power of 1 kW. This station has sent a nice QSL card to the writer, but only after sending several detailed reports and finally pointing out to the owner the discourtesy of requesting reports and then failing to acknowledge them! Just after midnight, HIL was quite good and, at 00.10, as (phonetically) "Atchee-ee-ellay, en Santo Domingo, Republica Dominicana." English is used occasionally.

The 1 kW TIPG (46.87 m.) was R6, whilst OAX4G Lima, Peru (48 m.)—heard for the first time a little later—was only about R2. The neighbouring HI1A (48.5 m.) and HJ3ABF (48.62 m.) were also weak, the latter being severely heterodyned, presumably by another Colombian—HJ2ABA on 48.6 m. XECR (40.6 m.) testing with recordings, was R6 at 23.37.

Big Ben Again

On January 14, CO9GC, Santiago, Cuba (48.79 m.) provided an astonishingly powerful signal with good quality and modulation and, at first, was mistaken for COCD. However, on the following night at the same hour (00.00) an interval signal consisting of four chimes was heard, together with a clear announcement in English, followed by the striking of seven by what was obviously a recording of Big Ben. It is interesting to note that the employment of our famous "broadcaster" to announce certain Latin-American hours is becoming almost a habit, for both COCH and HJ1ABE have been noticed previously using similar recordings.

CO9GC, which is believed to be using 2 kW, could be heard giving various news items, but chiefly about Havana, from 23.30 to midnight on January 18, with every announcement closely followed by the four-chime identification signal. The address was given as P.O. Box 137. LSX (28.98 m.), relaying "El Mundo" and apparently testing with some Venezuelan station, could be heard at 23.40, being R8, but very unsteady and accompanied by bad static which prevailed from this wavelength upwards. Notwithstanding this handicap, YV12RM, HJ3ABF, PRA8, HJ4ABE, HCJB, and HI1A were all "captured" before 01.30 (Sunday, January 19), but after listening to the Dominican for twenty minutes QRN became so severe that an intended all-night sitting terminated somewhat abruptly at 01.50!

From Brazil

The station of the Brazilian Government, PRF5 (31.58 m.), was a good loudspeaker signal at 21.57 on the following Tuesday (January 21), whilst the seldom-heard COCH (31.8 m.) was

just audible, and COCD a good R7 with little fading. XBJQ, again a poor signal, radiated little of interest to the average listener at 23.37 on January 23, but HIL furnished a more entertaining programme at 00.22. At 21.12 PRA8, broadcasting a distorted version of Rubenstein's "Melody in F," was very strong on a slightly higher wavelength of 49.67 m., where DJC and RW59 did much to overwhelm the Brazilian's transmission.

A peculiar feature of the evening's listening was the rapid flutter which affected all the distant stations—a not uncommon phenomenon with local signals during darkness, but not so frequently observed during the reception of distant transmissions at night. However, conditions returned to normal the following night when many fine signals were logged. CO9GC, COCD, and TIPG were outstanding and, at



A view of Mexico City, showing the Cathedral on the left and the National Palace on the right

23.31, TIEP (44.71 m.) was R6 but, as usual, prone to interference from powerful telegraphy stations. TIRCC (45.81 m.) suffered likewise. VP3MR, YV6RV, YV5RMO, HJ1ABB, YV4RC, YV1ORSC, HIL, HJ1ABE, YV2RC, and HJ4ABD were also heard fairly well. HJ4ABA appeared on a new wavelength of approximately 25.4 m. Care should be taken to avoid confusion between this and CO9WR, which is to be found on 25.42 m.

At 00.07 a weak signal bearing a musical programme could be heard on the frequency of XBJQ (11,000 kc/s), but further investigation showed this to be PLP broadcasting a religious service simultaneously with PMN, and although outside the writer's sphere it is mentioned because there may be readers who are under the impression that it was actually XBJQ with a musical programme. VP3MR was heard at 23.12 on January 27, making a special announcement regarding the funeral arrangements of his Majesty King George V. The playing of the National Anthem brought their broadcast to an end just after.

Conditions improved considerably from this date until the end of the month, with the Cuban CO9GC appropriating the limelight from COCD, and "The Voice of British Guiana" bravely defying the attempts of local QRM to obliterate his transmission.

Finally, an unusual QSL card from HCK (reported in the November "Review") conveys the following information: 250 watts aerial power, frequency 5,885 kc/s, address "Direccion Gral. de Telegraphos, Telefonos and Inalambricos, Quito, Ecuador; and the schedule, Mondays and Fridays, 8.30 to 10.30 p.m. local time; which is equivalent to Tuesdays and Saturdays, 02.00 to 04.00 (G.M.T.). They do not adhere strictly to this however, for tests have been heard outside these hours.

F. A. B.

Short-Wave News Reel

Winter Olympic Games

THE German short-wave stations have already been instrumental in bringing to listeners eye-witness accounts of the various events in the Fourth Winter Olympic Games at Garmisch-Partenkirchen. On February 6 a running commentary, in English, of the opening ceremony was broadcast. Deafening cheers and the strains of the German National Anthem greeted the Führer, Adolf Hitler, as he stepped on to the balcony of the ice stadium. With snow falling in large flakes and the flags of the twenty-eight countries waving in the breeze, the teams, with their banners leading, entered the arena.

Greece, the traditional home of the Olympic games, headed the procession. Australia, represented by Kennedy, the skater, followed; then Belgium, Bulgaria, Denmark, Estonia, and Finland. France entered giving the Olympic salute, as did Great Britain, her representatives wearing white sweaters and shorts with red, white, and blue stripes. Norway's banner was ornamented with a blue and white cross, that of Poland was red and white in colour. Among the other nations represented were Japan, Canada, Liechtenstein, Latvia, Holland, Austria, Turkey, Sweden, Switzerland, Hungary, and the United States, with Germany, as host, bringing up the rear.

Dr. Ritter von Halt, President of the organisation committee, then made a speech and asked the Reich Chancellor to give the Olympiad his protection. Herr Hitler, in reply, declared the Games open. Simultaneously, the Olympic flag—five interlocked rings on a white background—was hoisted, a number of guns were fired from a neighbouring battery, and the Olympic fire was kindled on a tower in full view of the sixty thousand spectators.

The strains of the Olympic hymn were now heard, then the ceremony of taking the Olympic oath. This was done by Herr Vogner, on behalf of all his fellow-competitors. He declared that all the nations will take part in the games in a true sportsmanlike spirit, in the manner approved by René de Coubertin, the founder of the modern Olympic Games. Finally, the nations filed out in order, and the transmission closed with the Olympic call-sign—an impressive fanfare of trumpets.

Barnsley.

R. H. G.

* * *

LISTENING to DJD (25.49 m.) on February 9, I heard a recording of a commentary on the previous day's events at Garmisch-Partenkirchen, Bavaria, where the Olympic Games are now in progress.

The first Gold Medal to be awarded was won for Germany by Miss Cranz in the women's downhill skiing contest. She covered the course in the remarkable time of 72 seconds, the difference in height between start and finish being 237 metres. Eighteen-year-old Miss Grassegger (also Germany) was second, and Miss Nilsen (Norway) third. The two British entrants, despite a good performance, were unable to equal their opponents.

After this came details of another interesting contest—the ice-hockey match between Germany and Switzerland. During the first period neither side scored, but soon after the Germans were lucky in scoring their first goal, the ball rolling over the Swiss goalkeeper's foot. Another goal for the Germans followed shortly after as the result of an individual run from end to end of the rink. The final result—2-0 for the Germans—eliminated the Swiss side from further matches.

Worthing.

F. H.

Adventure Series

I WONDER how many listen to the "Adventure" series broadcast from W8XK on Mondays and Fridays! They are given by Captain Kim, and always tell of some courageous pioneer. Last night (February 7) he spoke on Colonel Putnam, a hardy old adventurer at the time of the War of Independence. Captured by Redskins, he was tied to a tree between them and the attacking American forces. Although his clothes were riddled by bullets from both sides, he himself was miraculously unhurt. Seeing that the fighting was going against them, the Indians untied their prisoner and bound him to a stake, round which they lighted a bonfire. He would certainly have perished had not a brave French officer dashed into the flames to rescue him.

On another occasion, a sheep-slaying wolf had been tracked across the snow to a dark cavern. Despite entreaties, Colonel Putnam insisted on being lowered fifty feet into the darkness of the cave. As he searched for the wolf, he heard a low growl a short distance away, and turned to see two green points of light in the darkness. As they rushed upon him, he fired, fortunately killing the beast outright. At the top, he was greeted by a very relieved band of friends, who had never expected to see him alive again. The reconstruction of the descent into the cavern and what followed, effectively enhanced the dramatic effect of the story, and with a cheery invitation to "tune-in next Monday night," Captain Kim left us.

Sheffield.

B. N. S.

"A Programme in the Making"

A PROGRAMME well worth the attention of the short-wave listener is that broadcast by W2XAF at 23.30 every Saturday and entitled "A Programme in the Making." The broadcast takes the form of an informal party with Enrik Emmerson as Master of Ceremonies, and the General Electricians' Dance Band—composed of members of the G.E.C. Research Laboratories—supported by a cast of amateur talent from Schenectady and the surrounding States.

The Master of Ceremonies introduces 16-year-old Charles McClaclen, an expert guitarist, followed by Miss Hope, a rhythm singer of exceptional promise, who sings "After all I did to you." Bob Jenney, another youngster, follows now with "Butterflies in the Rain," played on the xylophone—another Teddy Brown, says the Master of Ceremonies; and no one can dispute this fact.

Fourth on the programme we have the Wolvern Trio, three young ladies whose average age is 15 years, harmonising in a way that reminds one of the famous Boswell Sisters. "Pride of the Waves," played on a trumpet, announces that Vern Miller is before the microphone "doing his stuff" in first-class style. Then follows a return appearance of each artist in turn. The General Electricians let themselves go in playing "The Broken Record," and Enrik Emmerson winds up the party with "Well, folks, it's all over now, as the man said when he spilt the milk."

I recommend this programme as being a good half-hour's entertainment.

Southampton.

F. G. R.

Short-Wave Notes

We are informed by PHI (Huizen) that, from February 16, in addition to the regular programme (which is destined for the Netherlands Colonies) special programmes will be broadcast every Sunday for other parts of the world, at the following hours: from 12.30-13.30 (G.M.T.) for Asia, 18.00-19.00 (G.M.T.) for Africa, and 00.00-01.00 (G.M.T.) for America.

The Hong Kong station, ZCK, is now transmitting on 34.29 m. and 55.45 m. and broadcasts regular programmes every day from 04.30 to 06.15 (G.M.T.); on Mondays and Tuesdays from 08.00 to 12.00; Tuesdays, Wednesdays, and Fridays from 11.00 to 15.00, and on Saturdays from 11.00 to 16.00. Only the main daily transmission is shown in the Short-Wave List. This transmitter is only provisional until the permanent station is installed during 1936.

A reader reports that a new Dominican station was put into operation on Sunday, February 2. It announces as "HI9B, Santiago de los Caballeros" and the wavelength is 49.59 m. It has been heard at about 22.00 (G.M.T.), and reception reports are requested.

W6XKG is the call-sign of a short-wave station in Los Angeles, now broadcasting 24-hour schedule on 31,600 kc/s with a power of 100 watts. It is owned by Radio KGFJ, 1417 South Figueron Street, Los Angeles, California, U.S.A.

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By "DIPOLE"

ERRATIC and very variable reception conditions still continue in the North, and at present there seems to be no indication of any immediate improvement. Ultra-short-wave activity has also shown a further decline, and although a fair number of U.S. amateurs have been heard, for the most part they have been weak and nothing like the signals of a few weeks ago.

W3XAL (16.87 m.) and W8XK (13.93 m.) have been heard regularly throughout the week, but both have been variable and accompanied by high noise levels. Little of interest in the way of new stations has been heard during the late evenings, for high-speed fading and high noise levels have been prevalent on all broadcast bands. W2XAF (31.48 m.), however, still continues to be extremely well heard.

Apart from good 31-metre "local" signals on Sunday, VK2ME (31.28 m.) was also extremely well heard at 15.30 and, shortly before close-down at 16.00, had improved to R7-8. High noise and fading spoiled W2XAD somewhat after 16.00, although the programme was 100 per cent. intelligible. Several U.S. amateurs were heard working 'phone on 10 m. at signal strengths comparable to W2XAD and W3XAL on the higher bands, but this particular occasion proved to be the peak period of the week.

The South Americans on the 49 m. band are steadily improving, but there is still little improvement of the U.S. transmitters on this band. Both W3XAL (49.18 m.) and W8XK (48.86 m.) were audible on Wednesday just after midnight.

W3XAL (16.87 m.) and W8XK (19.72 m.) were good at 17.30 on Thursday, W2XAD providing a better channel at 19.15 with a fairly steady R8 value. On 31 m. Rome (31.13 m.) could be heard putting over his usually strong signal, whilst at 22.00 both W2XAF and CT1AA (31.09 m.) were also heard exceptionally well.

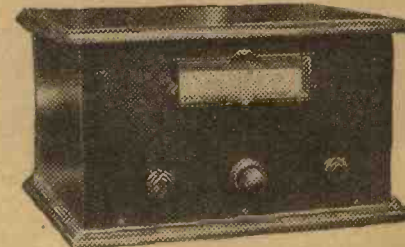
Conditions on 25 m. were also a good deal better, for W8XK (25.27 m.) and W1XAL (25.45 m.) were moderately well heard at R6-7. On Friday and Saturday these transmitters were all unintelligible, the best U.S. channels on these days being W2XAF and W8XK (48.86 m.).

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SHORT-WAVE BROADCASTING STATIONS

(Times of operation are given on the "twenty-four-hour clock" system, G.M.T.)

m.	ke/s	kW	Station	Dial Reading	m.	ke/s	kW	Station	Dial Reading
75	4000	0.05	Ponta Delgada (Azores) CT2AJ. WED., SAT., 22.00-00.00.	32.88	9125	5	Budapest (Hun'y) HAT4. SUN., 23.00-00.00.	32.88	9125
70.2	4273	20	Kharbarovsk RV15. 06.00-14.00.	31.8	9428	..	Havana (Cuba) COCH. 16.00-17.00; 22.00-23.00; 01.00-02.00.	31.8	9428
67.11	4470	I	Sourabaya (Java) YDB. 09.30-14.30.	31.58	9501	15	Rio de Janeiro PRF5. 21.45-23.00.	31.58	9501
51.72	5800	I	Caracas (Venezuela) YV2RC. D'ly (ex.SUN.), 15.30-18.00; 20.30-02.00. SUN., 13.00-15.30; 18.00-22.30; 23.00-02.30.	31.55	9510	15	*Daventry GSB.	31.55	9510
51.52	5820	..	San Jose (Costa Rica) TIX. 00.00-04.00.	31.48	9530	1.5	Melbourne (Australia) VK3ME. MON. to SAT., 09.00-12.00.	31.48	9530
51.28	5850	..	Maracaibo (Venez.) YV5RMO. 22.00-02.00.	31.45	9540	I	Jelöy LKJ1. 10.00-13.00; 16.00-23.00.	31.45	9540
50.6	5930	I	Medellin (Colombia) HJ4ABE. D'ly 16.00-17.00. MON., WED., FRI., 23.00-03.00. TUES., THURS., SAT., 00.15-04.00.	31.38	9560	40	Schenectady (N.Y.) W2XAF. 21.00-05.00. SUN., 21.15-05.00.	31.38	9560
50.26	5969	10	Vatican City (Italy) HVJ. Daily 19.00-19.15; SUN., 10.00.	31.36	9560	5	Zeesen DJN. 08.45-12.15; 22.05-03.30.	31.36	9560
50.16	5980	0.2	Santo Domingo (D.R.) HIX. D'ly at 12.00. WED., SAT., 01.08; SUN., 00.38.	31.35	9570	5	Zeesen (Germany) DJA. 05.30-07.15; 13.00-16.30; 22.05-02.15.	31.35	9570
50	6000	I	Mexico City XEBT. 00.00-09.00.	31.32	9580	4.5	Bombay VUB. SUN., 17.30-18.30; THURS., and SAT., 16.30-17.30 (Irreg. MON.).	31.32	9580
49.92	6010	0.5	Moscow (U.S.S.R.) RW59.	31.28	9590	10	Millis (Mass.) W1XK. D'ly, 11.00-05.00.	31.28	9590
49.85	6018	0.09	Havana (Cuba) COCO. 21.00-00.00; 01.00-03.00. SUN., 04.30-06.30 also.	31.27	9595	15	*Daventry GSC.	31.27	9595
49.83	6020	1.6	Singapore (S.S.) ZHI. MON., WED., THURS., 23.00-01.30; SUN., 03.40-05.10.	31.13	9635	I	Lyndhurst (Australia) VK3LR. MON. to FRI., 08.15-12.30; SAT., 03.00-12.30.	31.13	9635
49.75	6030	0.1	Bogotá (Colombia) HJ3ABH.	31.09	9650	20	Philadelpia (Pa.) W3XAU. 17.00-01.00.	31.09	9650
49.67	6040	0.1	Zeesen DJC. 17.00-21.30; 22.05-03.30.	31	9677	20	Sydney (Australia) VK2ME. SUN., 06.00-08.00; 10.00-16.00.	31	9677
49.65	6042	0.15	Panama City HP5B. 17.00-18.00; 01.00-03.30.	29.24	10,260	2.5	Radio-Nations HBL. SAT., 10.30-11.15.	29.24	10,260
49.59	6050	15	Calgary (Alberta) VE9CA. THURS., 15.00-08.00. SUN., 18.00-06.00. Irreg. 15.00-06.00.	29.04	10,330	0.5	Rome (Italy) zRO. D'ly 23.00-23.15; MON., WED., and FRI., 23.00-02.00; TUES. and THURS., 22.15-22.30.	29.04	10,330
49.5	6060	I	Boston (Mass.) W1XAL. SUN., 22.00-00.00. TUES & THURS., 00.00-02.00.	28.01	10,710	25	Lisbon (Portugal) CT1AA. TUES. and THURS. 22.00-00.00.	28.01	10,710
49.45	6067	0.15	Miami W4XB. 17.00-19.30; 22.30-05.00.	27.93	10,740	10	Lisbon (Portugal) CT1CT. THURS., 21.00-23.00; SUN., 12.00-14.00.	27.93	10,740
49.42	6070	1.5	Pernambuco PRA8. Daily 20.00-00.30.	25.62	11,710	20	Madrid (Spain) EAQ 22.15-00.30; SAT., 18.00-20.00 also.	25.62	11,710
49.33	6080	0.05	Barranquilla HJ1ABG. 23.00-03.00.	25.57	11,730	15	Bandoeng (Java) PMN. SUN., 12.00-15.00.	25.57	11,730
49.31	6083	0.5	*Daventry GSA.	25.53	11,750	9	Ruyselede (Belgium). ORK. 18.30-20.00.	25.53	11,750
49.26	6090	0.5	Cincinnati W8XAL. 05.00-06.45; 11.30-01.00; SUN., 13.00-01.00; 04.00-07.00.	25.49	11,770	20	Tokio (Japan) JVN.	25.49	11,770
49.2	6097	5	Philadelpia (Pa.) W3XAU. 01.00-04.00.	25.45	11,790	20	Tokio JVM. TUES. and FRI., 19.00-20.00.	25.45	11,790
49.18	6100	10	Skamlebaek (Denmark) OXY. 18.00-23.30. SUN., from 16.00.	25.36	11,830	15	Medellin (Colombia) HJ4ABA. 23.30-03.30.	25.36	11,830
49.15	6105	15	Manizales (Colombia) HJ4ABL. 22.30-00.30.	25.29	11,860	2	Winnipeg CJRX. D'ly, 00.00-05.00; SAT., 21.00-06.00; SUN., 22.00-03.30.	25.29	11,860
49.1	6110	0.2	Vienna Experimental OER2.	25.27	11,870	10	Radio-Colonial (Paris) TPA4. 23.15-02.00; 04.00-06.00.	25.27	11,870
48.92	6130	0.18	Penang (F.M.S.), ZHI. MON. to SAT., 11.40-13.40; SUN., 12.40-14.40.	25.23	11,880	23	Huizen (Holland) PHI. D'ly (ex. TUES., WED.) 13.30-16.30; SAT. to 17.30.	25.23	11,880
48.86	6140	40	Chicago (Ill.) W9XAA. D'ly. 16.00-02.00.	25.21	11,890	15	*Daventry GSD.	25.21	11,890
48.78	6150	0.5	Nairobi (Kenya) VQ7LO. SUN., 16.00-19.00. MON. to FRI., 10.45-11.15; 16.30-19.30. TUES. & THURS., 13.30-14.30. SAT., 16.00-20.00.	24.83	12,082	5	Zeesen (Germany) DJD. 17.00-21.30.	24.83	12,082
48.4	6198	0.35	Bowmanville (Canada) CRCX. Daily 22.30-04.30. SUN., 20.00-04.30.	24.52	12,235	5	Boston (Mass.) W1XAL. SUN., 20.30-22.00; Daily 23.00-00.00.	24.52	12,235
47.5	6316	..	Johannesburg (S.A.) ZTJ. (Experimental.)	24.2	12,396	7.5	Rome (Italy) zRO. Daily 13.15-14.00; 14.15-16.00; 17.00-18.00; 18.45-22.15.	24.2	12,396
47.05	6375	..	Bound Brook (N.J.) W3XAL. MON., WED., SAT., 23.00-06.00.	22.94	13,075	0.35	Wayne (N.J.) W2XE. 20.00-03.00.	22.94	13,075
46.87	6400	0.5	Chicago (Ill.) W9XF. 02.00-07.00. (MON., WED., SAT., 06.00-07.00.)	22	13,635	10	Lisbon (Portugal) CT1AA. TUES., THURS., SAT. 21.30-00.00.	22	13,635
46.52	6447	I	Manizales (Colombia) HJ4ABB. 01.00-04.00.	19.84	15,123	15	*Daventry GSE.	19.84	15,123
46.21	6490	0.1	*Daventry GSL.	19.82	15,140	40	Pittsburgh W8XK. 22.00-00.00.	19.82	15,140
46	6520	0.5	Calcutta (India) VUC. D'ly 07.06-08.06; Irreg. 13.06-16.36; SUN., 04.36-07.36.	19.74	15,200	10	Radio-Colonial (Paris) TPA3. 09.00-10.00; 16.15-23.05.	19.74	15,200
45.31	6620	..	Halifax (Nova Scotia) VE9HX. MON. to THURS., 14.30-18.30; 22.00-04.00; FRI., 18.00-01.00; SAT. & SUN., 19.00-04.00.	19.72	15,210	20	Moscow (U.S.S.R.) RW59. SUN., 03.00-04.00; 15.00-16.00.	19.72	15,210
45	6667	0.2	Wayne (N.J.) W2XE. 03.00-04.00.	19.71	15,220	0.5	Lisbon (Portugal) CT1CT. SUN., 14.00-16.00; THURS., 20.00-21.00.	19.71	15,220
42.4	7074	0.05	Bandoeng (Java) YDA. 10.30-15.00.	19.68	15,243	7.5	Reykjavik (Iceland) TFJ. SUN., 18.40-19.00.	19.68	15,243
41.8	7177	0.5	Kuala Lumpur (F.M.S.) ZGE. SUN., TUES., and FRI., 11.40-13.40.	19.65	15,270	0.35	Parede (Portugal) CT1GO. SUN., 15.00-16.30; TUES., THURS., FRI., 18.00-19.15.	19.65	15,270
39.95	7510	20	Havana (Cuba) COCD. 23.00-05.00.	19.63	15,280	10	Suva VPD. D'ly (ex. SUN.) 05.30-06.30.	19.63	15,280
38.48	7797	20	Pittsburgh W8XK. 00.00-06.00.	19.56	15,330	10	Warsaw (Poland) SPW. 16.30-17.30.	19.56	15,330
36.5	8214	0.25	Winnipeg CJRO. Daily 00.00-05.00; SAT., 21.00-06.00; SUN., 22.00-03.30.	19.52	15,370	10	Vatican City HVJ. 10.00; 15.30-15.45.	19.52	15,370
34.29	8750	0.5	Lisbon (Por.) CSL. 12.00-14.00; 17.00-00.00.	16.89	17,760	35	*Daventry GSF.	16.89	17,760
			Caracas (Venez.) YV3RC. 20.30-01.30.	16.87	17,780	10	Zeesen DJB. 13.00-16.30; 17.30-07.00.	16.87	17,780
			Parede (Portugal) CT1GO. SUN., 16.30-18.00. Daily (ex. TUES.) 00.20-01.30.	16.86	17,790	40	Pittsburgh W8XK. 14.00-00.00.	16.86	17,790
			Santo Domingo (D.R.) HIZ. Daily 21.40-22.40.	15.93	18,830	18	Eindhoven (Holland) PCJ. Experimental. TUES., 08.00-11.00; WED., 12.00-16.00; SUN., 13.30-16.30.	15.93	18,830
			Caracas (Venez.) YV4RC. 21.30-03.30.	13.97	21,470	10	Radio-Colonial (Paris) TPA2. 11.00-16.00.	13.97	21,470
			San Jose (Costa Rica) TIPG. 22.00-04.00.	13.94	21,520	1	*Daventry GSI.	13.94	21,520
			Barranquilla HJ1ABB. D'ly 21.30-03.00.	13.93	21,530	5	Wayne (N.J.) W2XE. 18.00-20.00.	13.93	21,530
			Cali (Colombia) HJ5ABD. 00.00-03.00.	13.93	21,540	20	Zeesen (Germany) DJQ. 04.30-06.00.	13.93	21,540
			Valencia YV6RV. 17.00-18.00; 23.00-03.00.			10	Schenectady W2XAD. Daily 19.00-20.00; SUN., 15.30-21.00.		
			Riobamba PRADO. FRI., 02.00-04.30.			6	Budapest HAS3. SUN., 14.00-15.00.		
			Guayaquil (Ecuador) HC2RL. SUN., 22.45-12.45; WED., 02.15-04.15.			5	Zeesen (Germany) DJE. 13.00-16.30.		
			Georgetown (British Guiana) VP3MR.			1	Wayne (N.J.) W2XE 16.00-18.00.		
			Lobito CR6AA. WED., SAT., 19.30-21.30.			35	Bound Brook W3XAL. 14.00-22.00.		
			Tokio (Japan) JVP. TUES. & FRI. 19.00-20.00.			10	*Daventry GSG.		
			Radio-Nations HBP. SAT., 22.30-23.15.			60	Bandoeng (Java) PLE. TUES., THURS., SAT., 15.00-15.30.		
			Quito (Ecuador) HCJB. D'ly (ex. MON.) 17.15-19.00; 00.00-04.00.			1	*Daventry GSH.		
			Hong Kong ZCK. Daily 04.30-06.15.			10	Wayne (N.J.) W2XE 12.30-16.00.		

*For transmission times see Short-Wave Programmes.

Short-Wave Programmes

	Call	kc/s	m.
Darenty	GSA	6,050	49.59
Darenty	GSB	9,510	31.55
Darenty	GSC	9,580	31.32
Darenty	GSD	11,750	25.53
Darenty	GSE	11,860	25.29
Darenty	GSF	15,140	19.82
Darenty	GSG	17,790	16.86
Darenty	GSI	15,260	19.66
Darenty	GSL	6,110	49.1
Bombay (India)	VUB	9,565	31.36
Bombay (India)	VUB	(a) 11,790	25.45
Bombay (India)	VUB	(b) 6,040	49.67
Boston (Mass.)	WIXAL	(a) 15,370	19.52
Boston (Mass.)	WIXAL	(b) 9,125	32.88
Budapest (Hungary)	HAS3	(a) 5,800	51.72
Budapest (Hungary)	HAT4	(b) 15,220	19.71
Budapest (Hungary)	HAT4	(b) 9,125	32.88
Caracas (Venezuela)	YV2RC	5,800	51.72
Eindhoven (Holland)	PCJ	15,220	19.71
Huizen (Holland) (Holland-India Broadcasting Station PHOHD)	PHI	11,730	25.57
Huizen (Holland) (Holland-India Broadcasting Station PHOHD)	PHI	9,860	30.43
Madrid (Spain)	EAQ	12,000	25
Madrid (Spain)	EAQ	6,000	50
Moscow (U.S.S.R.)	RW59	(a) 12,396	24.2
Moscow (U.S.S.R.)	RW59	(b) 6,198	48.4
Paredo (Portuguese Radio-Club)	CTIGO	(a) 12,396	24.2
Paredo (Portuguese Radio-Club)	CTIGO	(b) 6,198	48.4

	Call	kc/s	m.
Paris (France) (Radio-Colonial)	TPA4	(a) 11,880	25.23
Paris (France) (Radio-Colonial)	TPA4	(b) 11,720	25.6
Pittsburgh (Pa., U.S.A.)	W8XK	(a) 15,210	19.72
Pittsburgh (Pa., U.S.A.)	W8XK	(b) 11,870	25.27
Pittsburgh (Pa., U.S.A.)	W8XK	(c) 6,140	48.86
Rio de Janeiro (Brazil)	PRF5	9,501	31.58
Rome (Italy)	2RO	(a) 11,810	25.4
Rome (Italy)	2RO	(b) 9,635	31.13
Ruyselede (Belgium)	ORK	10,330	29.04
Schenectady (New York, U.S.A.)	W2XAD	(a) 15,330	19.56
Schenectady (New York, U.S.A.)	W2XAD	(a) 15,330	19.56
Schenectady (New York, U.S.A.)	W2XAF	(b) 9,530	31.48
Skamlebaek (Denmark)	OXY	6,060	49.5
Suva (Fiji)	VPD	13,075	22.94
Tokio (Japan)	JVM	10,740	27.93
Tokio (Japan)	JVP	7,510	39.95
Vatican City (Italy)	HVJ	(a) 15,123	19.84
Vatican City (Italy)	HVJ	(b) 9,569	50.26
Zeesen (Germany)	DJA	9,560	31.38
Zeesen (Germany)	DJB	15,200	19.74
Zeesen (Germany)	DJC	6,020	49.83
Zeesen (Germany)	DJD	11,770	25.49
Zeesen (Germany)	DJE	9,540	31.45
Zeesen (Germany)	DJQ	15,280	19.63

Adriana Lecouvreur (Cilea). Talk. Roman Folk Songs. RUYSELEDE, 19.30—News (Flem., Fr.). 20.00-21.00—Records. SCHENECTADY, (a) 19.00—Music and Merriment, 19.15—Household Chat, 19.30—Piano Pals; Melodians. (b) 21.00—Sketch, 21.15—How to be charming, 21.30—Markets; Music, 22.00—Al Pearce, 22.30—Tom Mix, 22.45—Lang Sisters, 23.00—News; Music, 23.15—Contraalto, 23.30—News; Talk; Songs, 00.00—Amos 'n' Andy, 00.15—Uncle Ezra, 00.30—Markets, 00.50—News (Span.). 01.00—Spanish Programme, 01.30—Concert, 02.00—A and P Gipsies, 02.30—Grace Moore, 03.00—Contented Hour, 03.30—Forum, 04.00—News; Music, 04.15-05-05—Crooner; Dance Music. SKAMLEBAEK (OXY), 18.00 till Close—Kalundborg Programme. SUVA, FIJI, 05.30-06.30—Records. VATICAN CITY, (a) 10.00—Religious Notes (Ital.). (b) 19.00—Religious Notes (Ital.). ZEESEN (DJB, DJN), 08.45—Call (Ger., Eng.), 09.00—Violin, 09.15—Songs, 09.30—News (Eng.); Songs, 10.00—Pfte, 10.15—Olympic Report, 10.45—News; Music, 12.00-12.15—News (Eng.); Music, ZEESEN (DJA, DJB, DJN), 13.05—Call (Ger., Eng.), 13.15—Old Berlin, 13.45—News in Eng. (DJA), and Dutch (DJB, DJN), 14.00—Munich Carnival, 15.00—Pfte, 15.15—News, 15.30—Reports, 16.00—Songs, 16.15—News in Eng. (DJA), and Dutch (DJN). ZEESEN (DJD, DJC), 17.00—Call (Ger., Eng.), 17.15—News, 17.30—Songs, 17.45—Variety, 18.30—Choir, 19.00—News (Eng.), 19.15—Topical, 19.30—Orchestra, Rachmaninov (Pfte.), 20.45—Variety, 21.00—News (Ger., Eng.), 21.55—See 17.00, 22.00—Variety, 22.15—Poems, 22.30—Pfte, 22.45—News, 23.00—See 19.30, 00.15—Topical, 00.30—Variety, 01.15—News (Eng.), 01.30—Choir, 02.00—News, 02.15—Variety, ZEESEN (DJN, DJA), 21.55—Call (Ger., Span.), 22.00—Topical, 22.15—Poems, 22.30—Pfte, 22.40 (DJA)—Economics, 22.45—News, 23.00—Berlin Philharmonic and Rachmaninov (Pfte.), 00.15—News (Span.), 00.30—Variety, 01.15—Topical, 01.30—Choir, 02.00—News, 02.15 (DJN)—Variety; (DJA) See 21.55, 03.30 (DJN)—News (Span.).

People, 00.35—Music, 01.00—Reading; Music, 02.00-02.30—News; Music. MOSCOW, 17.30—Figaro (Mozart), 20.00—German Programme, 21.05—French Talks, 22.00—Dutch Programme. PARIS (Radio-Colonial), (a) 22.30—News (Span., Port.), (b) 23.15—Concert, 00.15—News (Fr., Span.), 01.00—News (Eng.); Records, 02.00-04.00—Reviews, 04.00—Records, 04.20—News (Eng., Fr., Span., Ger.). PITTSBURGH, (a) 14.00—Orchestra; Tenor, 14.45—Style and Shopping, 15.00—News, 15.15—Edward MacHugh, 15.30—Sketch, 15.45—David Harum, 16.00—Marine Band, 17.00—News, 17.15—Grab Bag, 17.30—Farm and Home Hour, 18.30—Mac and Blaine, 18.45—Drama, 19.00—Songs; Discour, 19.15—City Voices, 19.30—Home Forum, 20.00—Sunshine; Human Values, 20.15—Topical, 20.30—Back Stage Wife, 21.00—Sketch, 21.15—Ranch Boys, 21.30—Chamber Music, (a, b) 22.00—For Children, 22.15—Plough Boys, 22.30—For Children, 23.00—News, 23.15—The O'Malleys, 23.30—Music, 23.45—Lowell Thomas—Topical, (c) 00.00—Variety, (b, c) 02.00-06.00—Variety. RIO DE JANEIRO (PRF5), 22.30—News (Port.), 23.00—Talks (Various Languages). ROME, (a) 13.15—Variety, 14.00-15.30—Trio; Songs, 16.30—Band; Comedy, 17.15-18.00 and 18.45-19.30—From Rome (420.8 m.), (b) 23.20—News, Adriana Lecouvreur (Cilea). News (Span., Port.). Folk Songs. RUYSELEDE, 19.30—News (Flem., Fr.), 20.00-21.00—From Brussels (I). SCHENECTADY, (a) 19.00—Music, 19.30—Business Talk; Rhythm, 19.45—Health Hunters, (b) 21.00—Sketch, 21.15—Bridge, 21.30—Stocks, 21.45—Matinee, 22.00—Medical Talk; Music, 23.00—News; Music, 23.15—Hymns, 23.30—News; Mail, 00.00—Amos 'n' Andy, 00.15—Pop-eye the Sailor, 00.30—Stocks, 00.50—News (Span.), 01.00—Spanish Programme, 01.30—Orchestra, 02.00—Vox Pop, 02.30—Variety; News, 04.45-05.05—Organ. SKAMLEBAEK (OXY), 18.00 till Close—Kalundborg Programme. SUVA, FIJI, 05.30-06.30—Records. TOKIO (JVP), 19.00—Announcements; News (Eng.), 19.15—Variety, 19.45-20.00—News. VATICAN CITY, (a) 10.00—Religious Notes (Eng.), (b) 19.00—Religious Notes (Ital.). ZEESEN (DJB, DJN), 08.45—Call (Ger., Eng.), 09.00—Choir, 09.30—News (Eng.); Talk, 10.00—Variety, 10.45—News, 11.00-12.15—Music; News (Eng.). ZEESEN (DJA, DJB, DJN), 13.05—Call (Ger., Eng.), 13.15—Folk Songs, 13.30—Sequence, 13.45—News in Eng. (DJA) and Dutch (DJB, DJN), 14.00—Berlin Philharmonic Orchestra and Rachmaninov (Pfte.), 15.15—News, 15.30—Topical, 15.45—Choir, 16.15—News in Eng. (DJA) and Dutch (DJN). ZEESEN (DJD, DJC), 17.00—Call (Ger., Eng.), 17.15—News, 17.30—For Women, 17.45—Mozart Opera, 18.45—Pfte, 19.00—News (Eng.), 19.15—Topical, 19.30—Fairy Tales, 20.30—Carnival, 21.00—News (Ger., Eng.), 21.55—See 17.00, 22.00—Folk Music, 22.30—See 17.30, 22.45—News, 23.00—See 19.30, 00.00—Pfte, 00.15—Topical, 00.30—Orchestra, 01.15—News (Eng.), 01.30—Carnival, 02.00—News, 02.15—Music, ZEESEN (DJN, DJA), 21.55—Call (Ger., Span., Port.), 22.00—Songs, 22.15—Music, 22.30—Talk, 22.40—Economics, 22.45—News, 23.00—Variety, 00.00—Pfte, 00.15—News (Span., Port.), 00.30—Music, 01.15—Topical, 01.30—Concert, 02.00—News, 02.15 (DJN)—Music; (DJA) Call (Ger., Port.), 03.30 (DJN)—News (Span.).

* Electrical Recording.
† Gramophone Records.

SUNDAY, February 16

EMPIRE
The Empire programmes are printed for the convenience of overseas readers.
Transmission 1 (GSG, GSB), 07.15—Big Ben. Chamber Music. 08.10—Bells; Empire Service.* 09.00—Newsletter; Sports Summary. 09.20—Close.
Transmission 2 (GSG, GSF, GSB), 12.00—Big Ben. Newsletter; Sports Summary. 12.20—Interlude.† 12.30—Cedric Sharpe (Cello), 13.00—Sextet; Soprano, 13.30—Service.* 13.45—Close.
Transmission 3 (14.00-15.30 GSF, GSE; 15.30-17.00 GSE, GSB), 14.00—Big Ben. Symphony Concert; Frank Mannheim (Pfte.). 15.15—Pfte. Recital. 15.40—Bells; Empire Service.* 16.30—Newsletter; Sports Summary. 16.50—Organ Solos.† 17.00—Close.
Transmission 4 (17.15-19.30 GSI, GSD, GSB; 19.30-20.45 GSI, GSD, GSB; 21.00-22.45 GSC, GSB, GSL), 17.15—Big Ben. The Alphas. 17.30—Balalaika Orchestra. 18.00—Newsletter; Sports Summary. 18.20—Song Recital.* 18.45—Nativity Story. 19.45—Chamber Music.† 20.00—Service. 20.45—Close. 21.00—Talk. 21.20—Pfte. Solos.† 21.30—Orchestra. 22.25—Newsletter; Sports Summary. 22.45—Close.
Transmission 5 (GSC, GSB, GSA), 23.00—Big Ben. Recital; Pfte.; Baritone. 23.30—Talk.* 23.50—Interlude.† 23.55—Service.* 00.45—Newsletter; Sports Summary. 01.05—Close.
Transmission 6 (GSC, GSL), 03.00—Big Ben. Song Recital.* 03.25—Interlude.† 03.30—Service.* 03.45—Newsletter; Sports Summary. 04.05—Close.
BOSTON (WIXAL), (a) 20.30—Goodwill Programme from America to Great Britain, directed by Dr. Lloyd James of the BBC, 21.00—Talk, 21.15—Service, (b) 22.00—Sharlow (Soprano), 22.15—Talk by Miss Scolaris (Eng., Ital.); International Goodwill in Art, 22.30—Sharlow (Soprano), 22.45—Topical, 23.15—Roslyn (Pfte.), 23.30—William P. McKenzie reads bits of Verse in Scots, 23.45—Roslyn (Pfte.).
BUDAPEST, (a) 14.00—Records; News, (b) 23.00—See 14.00.
CARACAS, 13.30—Service—Records, 14.30—Music, 19.15—Racing, 22.30—Music, 00.30—Sports, 01.00-02.30—Variety.
EINDHOVEN (PCJ), Relays Huizen (PHI)
HUIZEN (PHI), (b) 12.30—K.R.O. Programme for Asia—Male Choir, Talk, Orchestra, (c) 13.30—Anthem; News, 13.45—K.R.O. Programme for India—Music, Talks, 14.45—Music, 14.55—Mail; Music, 15.25-16.30—Address; Music, Talk; Dance Music, (b) 18.00-19.00—K.R.O. Programme for Africa, 00.00-01.00—K.R.O. Programme for America, MADRID (EAQ), 22.15—News (Eng.); Music, 23.00—From Madrid (EAJ7), 23.45—Music, 00.00—Dances, 00.30—Music, 01.30—Sports, 02.00-02.30—News; Music. MOSCOW, 11.00—U.S.S.R. Review (Eng.); Questions and Answers (Eng.), 12.00—French Programme, 13.00—Swedish Talks, 15.00—See 11.00, 17.45—Concert, 20.00—Play (Ger.), 21.05—See 11.00, 22.00—Poetry and Prose (Ger.),

PARIS (Radio-Colonial), (a) 22.30—News (Span., Port.), 23.00—Sports, (b) 23.15—Concert, 00.15—News (Fr., Span.), 01.00—News (Eng.), 01.15—Review, Records, 02.00—Talk, 03.45—Review; Records, 04.20—News (Eng., Fr., Span., Ger.).
PITTSBURGH, (a) 14.00—For Children, 15.00—Male Quartet, 15.30—Strings, 15.45—Service, 17.00—Orchestra, 17.30—Symphony Orchestra; Tenor, 18.30—Listening Post; Music; Love Charm, 18.45—While the City Sleeps, 19.00—Symphony Orchestra, 20.00—Play; Strings, 20.15—Music; Discour, 20.45—Orchestra, 21.00—Elegy; Orchestra, 21.30—Vespers, (a, b) 22.00—Sketch, 22.45—News, 23.00—Quartet, 23.15—The O'Malleys, 23.30—Grand Hotel—Drama, (b) 00.00—Variety, (b, c) 02.00—Variety, 02.45-06.00—Paul Whitehead; Variety.
ROME, (a) 13.15—The Raising of Lazarus (Perosi), 16.30-17.30—Orchestra; Duets, 18.45-19.30—From Rome (420.8 m.).
RUYSELEDE, 19.30—News (Flem., Fr.), 20.00-21.00—From Brussels (I).
SCHENECTADY, (a) 15.30—Music, 16.15—Service, 17.00—Major Bowes' Theatre, 17.30—Debate, 18.00—Gipsy Songs; Music, 18.45—Sweethearts; Music, 20.00—Reser Eskimos, 20.30—Metropolitan Opera, (b) 21.15—Widow's Sons; Orchestra, 22.00—Music, 23.00—Roman Catholic Hour, 23.30—Annette McCullough (Songs), 23.45—Minor's Quartet, 00.00—Spy Story, 00.30—Fireside Recitals, 00.45—Morin Sisters, 01.00—Major Bowes' Amateurs, 02.00—Variety; Music, 03.00—Concert, 04.00—Melody Master, 04.30-05.05—News; Orchestra.
SKAMLEBAEK (OXY), 16.00-17.20 and 18.00-23.30—From Kalundborg.
ZEESEN (DJB, DJN), 08.45—Call (Ger., Eng.), 09.00—In Old Berlin, 09.30—News (Eng.), 09.45—In Old Berlin, 10.15—Olympic Reports, 10.45—News, 11.00—Music, 12.00—News (Eng.); Music, ZEESEN (DJA, DJB, DJN), 13.05—Call (Ger., Eng.), 13.15—Service, 13.30—Folk Songs, 13.45—News in Eng. (DJA) and Dutch (DJB, DJN), 14.00—Band, 15.10—Letters, 15.15—News, 15.30—Olympic Reports, 16.00—Violin, 16.15—News in Eng. (DJA) and Dutch (DJN).
ZEESEN (DJD, DJC), 17.00—Call (Ger., Eng.), 17.15—News, 17.30—Service, 17.45—For Children, 18.00—Concert, 19.00—News (Eng.), 19.15—Pfte, 19.30—Olympic Report, 20.00—Music, 21.00—News (Ger., Eng.), 21.55—See 17.00, 22.00—For Children, 22.30—Music, 22.45—News, 23.00—Service, 23.15—Concert, 00.15—Olympic Report, 00.45—Music, 01.15—See 19.00, 01.30—Music, 02.00—News, 02.15—Marches.
ZEESEN (DJN, DJA), 21.55—Call (Ger., Span.), 22.00—Fairy Play, 22.30 (DJN)—Music; News; (DJA) Olympic Reports, 23.00—Service, 23.15—Music, 00.15—Olympic Reports, 00.45—Music, 01.15—News (Span.), 01.30—Music, 02.00—News, 02.15 (DJN)—Music; (DJA) See 21.55, 03.30 (DJN)—News (Span., Ger.).

IDEAS,* 08.45—Comedians, 09.00—News, 09.20—Close.
Transmission 2 (GSG, GSF, GSB), 11.00—Big Ben. Talk, 11.15—Band, 12.00—Violin Recital, 12.30—Music Talk, 13.00—News, 13.20—Records, 13.45—Close.
Transmission 3 (14.00-15.30 GSF, GSE; 15.30-17.00 GSE, GSB), 14.00—Big Ben. New Records, 14.45—Sports Talk,* 15.00—Orchestra; Bassoon, 16.00—Sonata Recital; Violin, Pfte, 16.30—News, 16.50—Dance Music.†
Transmission 4 (17.15-19.30 GSI, GSD, GSB; 19.30-21.00 GSI, GSD, GSB; 21.15-22.45 GSC, GSB, GSL), 17.15—Big Ben. Octet; Tenor, 18.00—News, 18.15—Song Recital,* 18.30—Dance Music, 19.00—Orchestra; Arnold Matters (Baritone), 20.00—"The Vagabond Lovra", 20.15—Variety of Music, 21.00—Close, 21.15—Band; Ronald Stear (Bass), 22.00—News, 22.15—Dance Music, 22.45—Close.
Transmission 5 (GSC, GSB, GSA), 23.00—Big Ben. "Mail Bag", 23.45—Leonard Isaacs (Pfte.), 00.00—Orchestra, 00.45—News, 01.00—Close.
Transmission 6 (GSC, GSL), 03.00—Big Ben. "The Story of a Song",* 04.00—News, 04.15—Close.
BOSTON (WIXAL), (b) 00.00—Talk; Code Reception; Questions and Answers, 01.00—Music, 01.15—Talk; Radio as a Vocation.
CARACAS, 16.15-18.30—Records, 21.00—Music; Songs, 22.15—For Children, 22.30—Dance Music; Songs, 23.00—News; Music, 00.00-02.30—Music.
HUIZEN (PHI), (a) 13.30—Call; Music; News; Talk, 15.00-15.30—Dance Music.
MADRID (EAQ), 22.15—News (Eng.); Music, 22.46—News (Span., Fr., Eng.), 23.00—Catalan Programme, 00.00—News, 00.15—Music, 01.30—Theatre Notes, 02.00-02.30—News; Music.
MOSCOW, 17.30—Records, 20.00—Economics (Ger.), 21.05—English Programme—A Broadcast for Busmen, 22.00—Talk (Hun.).
PARIS (Radio-Colonial), (a) 22.30—News (Span., Port.), 23.00—Sports, (b) 23.15—Concert, 00.15—News (Fr., Span.), 01.00—News (Eng.); Records, 02.00-04.00—Reviews, 04.00—Records, 04.20—News (Eng. Fr., Span., Ger.).
PITTSBURGH, (a) 14.00—Orchestra; Tenor, 14.45—Style and Shopping, 15.00—News, 15.15—Edward MacHugh, 15.30—Sketch, 15.45—David Harum, 16.00—U.S. Navy Band, 17.00—News, 17.15—Grab Bag, 17.30—Farm and Home Hour, 18.30—Mac and Blaine, 18.45—Drama, 19.00—Orchestra, 19.30—Home Forum, 20.00—Sunshine, 20.05—Matinee, 20.30—Back Stage Wife, 20.45—Charm, 21.00—Sketch, 21.15—Ranch Boys, 21.30—Topical; Songs, (a, b) 22.00—For Children, 22.15—Plough Boys, 22.30—For Children, 23.00—News, 23.15—U.S. Army Band; Music, 23.45—Lowell Thomas—Topical, (b) 00.00—Variety, (b, c) 02.00-06.00—Variety.
RIO DE JANEIRO (PRF5), 22.30—News (Port.), 23.00—Talks (Various Languages).
ROME, (a) 13.15—Band, 14.00-15.30—"The Raising of Lazarus" (Perosi), 16.30—Mandoline; Soprano, 17.15-18.00 and 18.45-19.30—From Rome (420.8 m.), (b) 22.59—American Hour from Rome, News (Eng., It.)

MONDAY, February 17

EMPIRE
Transmission 1 (GSG, GSB), 07.15—Big Ben. Orchestra, 08.15—Young

TUESDAY, February 18

EMPIRE
Transmission 1 (GSG, GSB), 07.15—Big Ben. Dance Music,* 07.45—Rachel Cavalli (Pfte.), 08.10—Sports Talk,* 08.25—"The Mitre Madrigal Club",* 09.00—News (Eng.), 09.15—Close.
Transmission 2 (GSG, GSF, GSB), 11.00—Big Ben. Orchestra, 11.40—Talk, 12.00—"The Story of a Song",* 13.00—News, 13.15—Song and Pfte. Recital, 13.45—Close.
Transmission 3, (14.00-15.30 GSF, GSE; 15.30-17.00 GSE, GSB), 14.00—Big Ben. Orchestra, 14.35—Talk, 14.50—Sextet,* 15.35—"Dragons and All That",* 16.15—Dance Music.† 16.30—News, 16.45—Dance Music.† 17.00—Close.
Transmission 4 (17.15-19.30 GSI, GSD, GSB; 19.30-21.00 GSI, GSD, GSB; 21.15-22.45 GSC, GSB, GSL), 17.15—Big Ben. Dance Music, 18.00—News, 18.15—British Industries Fair—Talk, 18.30—Cinema Organ, 18.50—Trio, 19.30—Dance Music, 20.00—Victorian Melodies, 21.00—Close, 21.15—Quintet, 22.00—Talk, 22.20—Dance Music, 22.25—News, 22.40—Dance Music, 22.45—Close.
Transmission 5 (GSC, GSB, GSA), 23.00—Big Ben. Dance Music, 23.30—Talk, 23.45—Dance Music, 00.00—Young Ideas,* 00.30—Song Recital, 00.45—News, 01.00—British Industries Fair—Talk, 01.15—Close.
Transmission 6 (GSC, GSL), 03.00—Big Ben. Song Recital, 03.30—Talk, 03.45—News, 04.00—Close.
BOSTON (WIXAL), (b) 00.00—Stories, 00.45—First Parish in Cambridge Choir, Conductor; Woodworth, 01.00—Better English, 01.15—Talk; X-Rays and Dentistry, 01.30—Nelson Lane (Bass-Baritone), 01.45—Talk; The Air we Breathe, 02.00—French Lesson, CARACAS, 16.15-18.30—Records, 21.00—Music; Songs, 22.15—Fr Children, 22.30—Dance Music; Songs, 23.00—News; Music, 00.00—Serial, 00.15-02.30—Music, MADRID (EAQ), 22.15—News (Eng.); Music, 23.30—News (Span., Fr., Eng.); Music, 00.00—For English

WEDNESDAY, Feb. 19

EMPIRE
Transmission 1 (GSG, GSB), 07.15—Big Ben. Pfte, Duets, 07.45—"Guess Again?*" 08.15—Talk,* 08.30—Ballads, 09.00—News, 09.15—Close.
Transmission 2 (GSG, GSF, GSB), 11.00—Big Ben. Cinema Organ, 11.15—Orchestra, 11.30—"Mail Bag",* 12.15—Orchestra, 13.15—News, 13.30—Dance Music.† 13.45—Close.
Transmission 3 (14.00-15.30 GSF, GSE; 15.30-17.00 GSE, GSB), 14.00—Big Ben. "The Mitre Madrigal Club",* 14.35—British

Industries Fair—Talk. 14.50—Pfte. Recital. 15.15—Orchestra; Borovsky (Pfte.). 16.30—News. 16.45—Orchestra. 17.00—Close. Transmission 3 (17.15-19.30 GSI, GSD, GSB; 19.30-21.25 GSI, GSD, GSB; 21.40-22.45 GSC, GSB, GSL); 17.15—Big Ben. Gypsy Orchestra. Tenor. 18.00—News. 18.15—Wig and Gown. 18.45—Cello Solos. 19.00—Talk—Agriculture. 19.15—Orchestra. 20.15—Meet Mickey Mouse. 20.45—Song Recital. 21.05—Pfte. Recital. 21.25—Close. 21.40—News. 21.55—Symphony Concert. 22.45—Close. Transmission 5 (GSC, GSB, GSA). 23.00—Big Ben. Pfte. Duets. 23.30—Talk. 23.50—Old Favourites Song Recital. 00.15—New Records. 00.45—News. 01.00—Close. Transmission 6 (GSC, GSI), 03.00—Big Ben. Talk. 03.15—Guess Again? 03.45—News. 04.00—Talk: British Industries Fair. CARACAS. 16.15-18.30—Records. 21.00—Music; Songs. 22.15—For Children. 22.30—Dance Music; Songs. 23.00—News; Music. 00.00—Tales; Songs. 00.30—Talk. 00.45-02.30—Music. MADRID (EAQ), 22.15—News (Eng.); Music. 23.00—Literature. 23.06—Music. 23.30—News (Span., Fr., Eng.). 23.40—Music. 00.00—For English People. 00.35—Music. 01.00—For Children. 01.15—Music. 02.00-02.30—News; Music. 02.30—Programme. MOSCOW. (a) Talk; (b) Sports; (c) Two Years Ago; Play; (d) News Bulletin. 17.45—Ukrainian Choir. 20.00—Czech Programme. 21.05—See 11.00. 22.00—German Talk; Records. PARIS (Radio-Colonial), (a) 22.30—News (Span., Port.). 23.00—Sports. (b) 23.15—Concert. 00.15—News (Fr., Span.). 01.00—News (Eng.); Records. 02.00-04.00—Reviews. 04.00—Records. 04.20—News (Eng. Fr., Span., Ger.). PITTSBURGH, (a) 14.00—Orchestra; Tenor. 14.45—Style and Shopping. 15.00—News. 15.15—Edward MacHugh. 15.30—Sketch. 15.45—David Harum. 16.00—Grace and Eddie. 16.15—Dr. Foulkes. 16.30—U.S. Army Band. 17.00—News. 17.15—Grab Bag. 17.30—Farm and Home Hour. 18.30—Mac and Blaine. 18.45—Drama. 19.00—Songs; Diseur. 19.30—Home Forum. 20.00—Sunshine; Matinee. 20.30—Back Stage Wife. 20.45—Charm. 21.00—Sketch. 21.15—Karen Fladose. 21.30—Navy Orchestra. (a, b) 22.00—For Children. 22.15—Operetta Snapshots. 22.30—For Children. 23.00—News. 23.15—Mary Small; Music. 23.45—Lowell Thomas—Topical. (b) 00.00—Variety. (b, c) 02.00-06.00—Variety. RIO DE JANEIRO (PRFS), 22.30—News (Port.). 23.00—Talks (Various Languages). ROME, (a) 13.15—Selection. The Merry Widow (Lehar). 14.00-15.30—Instrumental; Songs. 16.30—Excerpt, Andrea Chénier (Giordano). 17.15-18.00 and 18.45-19.30—From Rome (420.8 m.). (b) 22.59—American Hour from Rome. News (Eng., It.). Concert. Organ. Talk. Arias. RUYSSLEDE, 19.30—News (Flem., Fr.). 20.00-21.00—From Brussels (1). SCHENECTADY, (a) 19.00—Soprano. 19.15—Household Chat. 19.30—Piano Pals; Scissors and Paste. (b) 21.00—Sketch. 21.15—How to be Charming. 21.30—Stocks; Music. 22.00—Concert. 22.30—Tom Mix. 22.45—Tenor. 23.00—News; Music. 23.30—News; Orchestra. 23.45—Sketch. 00.00—Amos n' Andy. 00.15—Uncle Ezra. 00.30—Stocks. 00.50—News (Span.). 01.00—Latin America. 02.00—Variety; News. 04.35-05.05—Minneapolis Symphony Orchestra. SKAMLEBAEK (OXY), 18.00 till Close—Kalundborg Programme. SUVA, FIJI, 05.30-06.30—Records. VATICAN CITY, (a) 10.00—Religious Notes (Span.). (b) 19.00—Religious Notes (Ital.). ZEESEN (DJB, DJN), 08.45—Call (Ger., Eng.). 09.00—Variety. 09.30—News (Eng.). 09.45—Mozart Opera. 10.45—News; Music. 12.00—News (Eng.); Music. ZEESEN (DJA, DJB, DJN), 13.05—Call (Ger., Eng.). 13.15—For Women. 13.30—Talk. 13.45—News in Eng. (DJA), and Dutch (DJB, DJN). 14.00—Pfte. 15.15—News. 15.45—Carnival. 16.15—News in Eng. (DJA) and Dutch (DJN). ZEESEN (DJD, DJC), 17.00—Call (Ger., Eng.). 17.15—News. 17.30—Radio Review 1935-1936. 18.30—For Boys. 19.00—News (Eng.). 19.15—Topical. 19.30—Variety. 20.45—Talk. 21.00—News (Ger.,

Eng.). 21.55—See 17.00. 22.00—For Boys. 22.30—Topical. 22.45—News. 23.00—Variety. 00.15—Topical. 00.30—Radio Review 1935-1936. 01.15—News (Eng.). 01.30—Review 1935-1936. 01.45—Talk. 02.00—News. 02.15—Music. ZEESEN (DJB, DJN), 21.55—Call (Ger., Span.). 22.00—For Hitler Youth. 22.30—Topical. 22.40—(DJA) Economics. 22.45—News. 23.00—Variety. 00.15—News (Span.). 00.30—Radio Review 1935-1936. 01.15—Topical. 01.30—Review (contd.). 01.45—Talk. 02.00—News. 02.15 (DJN)—Music; (DJA) See 21.55. 03.30 (DJN)—News (Span.).

THURSDAY, Feb. 20

EMPIRE

Transmission 1 (GSF, GSB), 07.15—Big Ben. Troise and his Mandoliers. 08.00—Talk. 08.15—Orchestra. 09.00—News. 09.15—British Industries Fair—Talk. 09.30—Close. Transmission 2 (GSG, GSF, GSB), 11.00—Big Ben. Song Recital. Lily Phillips (Cello). 11.45—Wig and Gown. 12.15—Orchestra. 12.45—Talk. 13.00—News. 13.15—Orchestra. 13.45—Close. Transmission 3 (14.00-15.30 GSF, GSE; 15.30-17.00 GSE, GSB), 14.00—Big Ben. Song Recital. 14.25—Talk. 14.40—Folk Songs. 15.00—Royal Marines Band. 16.00—Young Ideas. 16.30—News. 16.45—Robert Head (Organ). 17.00—Close. Transmission 4 (17.15-19.30 GSI, GSD, GSB; 19.30-20.45 GSI, GSD, GSB; 21.00-22.45 GSC, GSB, GSL); 17.15—Big Ben. Mail Bag. 18.00—News. 18.15—Talk. 18.30—Troise and his Mandoliers. 19.10—Variety. 19.30—Orchestra; Leon Goossens (Oboe). 20.25—Songs and Pfte. Recital. 20.45—Close. 21.00—Remembrance of Things Past. 21.30—Violin Recital. 21.40—Ernest Lush (Pfte.). 22.00—News. 22.15—Dance Music. 22.45—Close. Transmission 5 (GSC, GSB, GSA), 23.00—Big Ben. Variety. 23.45—Violin Recital. 00.05—Dragons and All That. 00.45—News. 01.00—Close. Transmission 6 (GSC, GSI), 03.00—Big Ben. Orchestra. 03.45—News. 04.00—Close.

BOSTON (WIXAL), (b) 00.00—Music. 00.15—Talk by Dr. Lloyd James: Speech and Language in the World To-day. 00.30—Music. 00.45—Talk: Getting Down to Earth. 01.00—Jeannette Booth (Soprano). 01.15—Talk: Winter Photography. 01.30—Talk with Illustrations: French Poetry in Song.

CARACAS, 16.15-18.30—Records. 21.00—Music. 22.15—For Children. 22.30—Dance Music; Songs. 23.00—News; Music. 01.30-02.30—HUIZEN (PHI), (a) 13.30—Call; Music; News. 14.00—Violin; Talks; Music. 14.55-15.30—Violin; Dance Music.

MADRID (EAQ), 22.15—News (Eng.); Music. 23.00—From Madrid (EA17). 23.30—News (Span., Fr., Eng.). 23.40—Music. 00.00—For English People. 00.35—News. 02.00-02.30—News; Music. MOSCOW, 17.45—Liszt. 20.00—For Women (Ger.). 21.05—French Programme. 22.00—Talks (Span., Port.).

PARIS (Radio-Colonial), (a) 22.30—News (Span., Port.). 23.00—Sports. (b) 23.15—Concert. 00.15—News (Fr., Span.). 01.00—News (Eng.); Songs. 01.45—Records. 02.00—For Women. 03.45—Review; Records. 04.20—News (Eng., Fr., Span., Ger.).

PITTSBURGH, (a) 14.00—Orchestra; Tenor. 14.45—Style and Shopping. 15.00—News. 15.15—Edward MacHugh. 15.30—Sketch. 15.45—David Harum. 16.00—Grace and Eddie. 16.15—Wendell Hall. 16.30—U.S. Navy Band. 17.00—News. 17.15—Grab Bag. 17.30—Farm and Home Hour. 18.30—Mac and Blaine. 18.45—Drama. 19.00—Songs; Diseur. 19.30—Home Forum. 20.00—Sunshine; Matinee. 20.30—Back Stage Wife. 20.45—Charm. 21.00—Sketch. 21.15—Karen Fladose. 21.30—Navy Orchestra. (a, b) 22.00—For Children. 22.15—Operetta Snapshots. 22.30—For Children. 23.00—News. 23.15—Mary Small; Music. 23.45—Lowell Thomas—Topical. (b) 00.00—Variety. (b, c) 02.00-06.00—Variety.

RIO DE JANEIRO (PRFS), 22.30—News (Port.). 23.00—Talks (Various Languages).

ROME, (a) 13.15—Selection. The Merry Widow (Lehar). 14.00-15.30—Instrumental; Songs. 16.30—Excerpt, Andrea Chénier (Giordano). 17.15-18.00 and 18.45-19.30—From Rome (420.8 m.). (b) 22.59—American Hour from Rome. News (Eng., It.). Concert. Organ. Talk. Arias.

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

SCHENECTADY, (a) 19.00—Soprano. 19.15—Household Chat. 19.30—Piano Pals; Scissors and Paste. (b) 21.00—Sketch. 21.15—How to be Charming. 21.30—Stocks; Music. 22.00—Concert. 22.30—Tom Mix. 22.45—Tenor. 23.00—News; Music. 23.30—News; Orchestra. 23.45—Sketch. 00.00—Amos n' Andy. 00.15—Uncle Ezra. 00.30—Stocks. 00.50—News (Span.). 01.00—Latin America. 02.00—Variety; News. 04.35-05.05—Minneapolis Symphony Orchestra.

SKAMLEBAEK (OXY), 18.00 till Close—Kalundborg Programme.

SUVA, FIJI, 05.30-06.30—Records.

VATICAN CITY, (a) 10.00—Religious Notes (Span.). (b) 19.00—Religious Notes (Ital.).

ZEESEN (DJB, DJN), 08.45—Call (Ger., Eng.). 09.00—Variety. 09.30—News (Eng.). 09.45—Mozart Opera. 10.45—News; Music. 12.00—News (Eng.); Music.

ZEESEN (DJA, DJB, DJN), 13.05—Call (Ger., Eng.). 13.15—For Women. 13.30—Talk. 13.45—News in Eng. (DJA), and Dutch (DJB, DJN). 14.00—Pfte. 15.15—News. 15.45—Carnival. 16.15—News in Eng. (DJA) and Dutch (DJN).

ZEESEN (DJD, DJC), 17.00—Call (Ger., Eng.). 17.15—News. 17.30—Radio Review 1935-1936. 18.30—For Boys. 19.00—News (Eng.). 19.15—Topical. 19.30—Variety. 20.45—Talk. 21.00—News (Ger.,

Monologue. 17.15-18.00 and 18.45-19.30—From Rome (420.8 m.). (b) 23.20—News. Concert. Organ. Talk. Arias. News (Span., Port.). RUYSSLEDE, 19.30—News (Flem., Fr.). 20.00-21.00—From Brussels (1). SCHENECTADY, (a) 19.00—Music. 19.30—Topical. 19.45—Contra-Alt. (b) 21.00—Sketch. 21.15—Bridge. 21.30—Stocks. 21.45—Soprano; Music. 22.20—Housing Talk. 22.30—Songs; Music. 23.00—News; Music; Tenor. 23.30—News (Span.); Talk. 23.45—Charioters. 00.00—Amos n' Andy. 00.15—Popeye the Sailor. 00.30—Stocks. 00.50—News (Span.). 01.00—Rudy Vallee Orchestra. 02.00—Show Boat. 03.00—Bing Crosby. 04.00—News; Dance Music. 04.30—Organ. 04.35-05.05—Minneapolis Symphony Orchestra. SKAMLEBAEK (OXY), 18.00 till Close—Kalundborg Programme. SUVA, FIJI, 05.30-06.30—Records. VATICAN CITY, (a) 10.00—Religious Notes (Fr.). (b) 19.00—Religious Notes (Ital.). ZEESEN (DJB, DJN), 08.45—Call (Ger., Eng.). 09.00—For Boys. 09.30—News (Eng.). 09.45—Review 1935-1936. 10.45-12.00—News; Music. 12.00-12.15—News (Eng.); Music. ZEESEN (DJA, DJB, DJN), 13.05—Call (Ger., Eng.). 13.15—For Boys. 13.45—News in Eng. (DJA), and Dutch (DJB, DJN). 14.00—Variety. 15.15—News; Records. 16.00—Talk. 16.15—News in Eng. (DJA) and Dutch (DJN). ZEESEN (DJD, DJC), 17.00—Call (Ger., Eng.). 17.15—News. 17.30—Band. 18.15—Talk. 18.30—Band. 19.00—News (Eng.). 19.15—Topical. 19.30—Operetta. 20.15—Dances. 21.00—News (Ger., Eng.). 21.55—See 17.00. 22.00—Band. 22.45—News. 23.00—Mozart Opera. 00.15—Topical. 00.30—Operetta. 01.15—News. 02.15 (DJN)—Concert; (DJA) See 21.55. 03.30 (DJN)—News (Span.).

FRIDAY, February 21

EMPIRE

Transmission 1 (GSF, GSB), 07.15—Big Ben. Mail Bag. 08.00—Band. 08.45—Talk. 09.00—News; Announcements. 09.20—Close. Transmission 2 (GSG, GSF, GSB), 11.00—Big Ben. Orchestra. 11.35—Scots Songs. 12.10—Talk. 12.30—Dance Music. 13.00—News; Announcements. 13.20—Schubert Songs. 13.30—British Industries Fair—Talk. 13.40—Schubert Songs. 13.45—Close. Transmission 3 (14.00-15.30 GSF, GSE; 15.30-17.00 GSE, GSB), 14.00—Big Ben. Melodrama. 14.40—Interlude. 14.45—Orchestra. 15.30—Guess Again? 16.00—Dance Music. 16.30—News; Announcements. 16.50—Orchestra. 17.00—Close. Transmission 4 (17.15-19.30 GSI, GSD, GSB; 19.30-21.00 GSI, GSD, GSB; 21.15-22.45 GSC, GSB, GSL); 17.15—Big Ben. Dance Music. 18.00—News; Announcements. 18.20—Violin Solos. 18.30—Band. 19.10—From the London Theatre. 19.30—Young Ideas. 20.00—Songs from the Shows. 21.00—Close. 21.15—Pfte. Recital. 21.25—The Mitre Madrigal Club. 21.55—News; Announcements. 22.20—Dance Music. 22.30—Dance Music. 22.45—Close. Transmission 5 (GSC, GSB, GSA), 23.00—Big Ben. Orchestra; Isabel Gray (Pfte.). 23.55—Reading. 00.10—The Mitre Madrigal Club. 00.45—News; Announcements. 01.05—Close. Transmission 6 (GSC, GSI), 03.00—Big Ben. Melodrama. 03.40—Interlude. 03.45—News; Announcements. 04.05—Close. CARACAS, 16.15-18.30—Records. 21.00—Music. 22.15—For Children. 22.30—Dance Music; Songs. 23.00—News; Music. 00.00—Serial. 00.15-02.30—Music; Songs. HUIZEN (PHI), (a) 13.30—Call; Music; News; Talk. 14.30—Quartet; Talk. 15.00-15.30—Quartet; Dance Music. MADRID (EAQ), 22.15—News (Eng.); Music. 23.12—Songs; Orchestra. 23.30—News (Span., Fr., Eng.). 23.40—Music. 00.00—For English People. 00.35—Music. 00.41—Literature. 02.00-02.30—News; Music.

MOSCOW, 17.30—Red Army Music and Literature. 20.00—Czech Programme. 21.05—English Programme—Prizewinning Broadcast planned by a Listener. 22.00—German Programme. PARIS (Radio-Colonial), (a) 22.30—News (Span., Port.). 23.00—Sports. (b) 23.15—Concert. 00.15—News (Fr., Span.). 01.00—News (Eng.); Records. 02.00-04.00—Reviews. 04.00—Records. 04.20—News (Eng. Fr., Span., Ger.). PITTSBURGH, (a) 14.00—Orchestra; Tenor. 14.45—Style and Shopping. 15.00—News. 15.15—Edward MacHugh. 15.30—Sketch. 15.45—David Harum; Music. 17.00—News. 17.15—Young Artists. 17.30—Farm and Home Hour. 18.30—Topical. 18.45—Dot and Will. 19.00—Songs; Diseur. 19.30—Home Forum. 20.00—Sunshine; Matinee. 20.30—Back Stage Wife. 20.45—Charm. 21.00—Sketch. 21.15—Karen Fladose. 21.30—Music. 21.45—Songs. (a, b) 22.00—For Children. 22.15—Plough Boys. 22.30—For Children. 23.00—News. 23.15—Mary Small; Music. 23.45—Lowell Thomas—Topical. (b) 00.00—Variety. (b, c) 02.00—Variety. 03.30—The Other Americas. 04.00-06.00—News; Variety. RIO DE JANEIRO (PRFS), 22.30—News (Port.). 23.00—Talks (Various Languages). ROME, (a) 13.15—Music. 14.00-15.30—Act III, La Gioconda (Ponchielli). 16.30—Music. 17.15-18.00 and 18.45-19.30—From Rome (420.8 m.). (b) 22.59—American Hour from Rome. News (Eng., It.). Mefistofele (Boito). For Women. Pfte. RUYSSLEDE, 19.30—News (Flem., Fr.). 20.00-21.00—From Brussels (2). SCHENECTADY, (a) 19.00—Soprano. 19.15—Household Chat. 19.30—Piano Pals. 19.45—WPA Programme. (b) 21.00—Sketch. 21.15—How to be Charming. 21.30—Stocks; Music. 22.00—Topical. 22.30—Tom Mix. 22.45—Songs. 23.00—News; Music. 23.30—News; Orchestra. 23.45—Scissors and Paste. 00.00—Spanish Programme. 00.30—Stocks. 00.50—News (Span.). 01.00—Variety; News. 04.30-05.05—Organ. SKAMLEBAEK (OXY), 18.00 till Close—Kalundborg Programme. SUVA, FIJI, 05.30-06.30—Records. TOKIO (JVP), 19.00—Announcements; News (Eng.). 19.15—Variety. 19.45-20.00—News. VATICAN CITY, (a) 10.00—Religious Notes (Ger.). (b) 19.00—Religious Notes (Ital.). ZEESEN (DJB, DJN), 08.45—Call (Ger., Eng.). 09.00—Band. 09.30—News (Eng.). 09.45—Operetta. 10.30—Talk. 10.45—News; Music. 12.00-12.15—News (Eng.); Music. ZEESEN (DJA, DJB, DJN), 13.05—Call (Ger., Eng.). 13.15—Talk. 13.45—News in Eng. (DJA) and Dutch (DJB, DJN). 14.00—Band. 15.15—News. 15.45—Dances. 16.15—News in Eng. (DJA) and Dutch (DJN). ZEESEN (DJD, DJC), 17.00—Call (Ger., Eng.). 17.15—News. 17.30—For Women. 18.00—Folk Songs. 19.00—News (Eng.). 19.15—Topical. 19.30—Orchestra. 20.45—Folk Songs. 21.00—News (Ger., Eng.). 21.55—See 17.00. 22.00—Dances. 22.45—News. 23.00—Orchestra. 00.15—Topical. 00.30—For Women. 01.00—Folk Songs. 01.15—News (Eng.). 01.30—Variety. 02.00—News. 02.15—Variety. ZEESEN (DJB, DJN), 21.55—Call (Ger., Span., and Port.). 22.00—Dances. 22.40 (DJA)—Economics. 22.45—News. 23.00—Symphony Concert. 00.15—News (Span., Port.). 00.30—Words, Music. 01.00—Songs. 01.15—Topical. 01.30—Variety. 02.00—News. 02.15 (DJN)—Variety; (DJA) Call (Ger., Port.). 03.30 (DJN)—News (Span.).

MOSCOW, 17.30—Red Army Music and Literature. 20.00—Czech Programme. 21.05—English Programme—Prizewinning Broadcast planned by a Listener. 22.00—German Programme. PARIS (Radio-Colonial), (a) 22.30—News (Span., Port.). 23.00—Sports. (b) 23.15—Concert. 00.15—News (Fr., Span.). 01.00—News (Eng.); Records. 02.00-04.00—Reviews. 04.00—Records. 04.20—News (Eng. Fr., Span., Ger.). PITTSBURGH, (a) 14.00—Orchestra; Tenor. 14.45—Style and Shopping. 15.00—News. 15.15—Edward MacHugh. 15.30—Sketch. 15.45—David Harum; Music. 17.00—News. 17.15—Young Artists. 17.30—Farm and Home Hour. 18.30—Topical. 18.45—Dot and Will. 19.00—Songs; Diseur. 19.30—Home Forum. 20.00—Sunshine; Matinee. 20.30—Back Stage Wife. 20.45—Charm. 21.00—Sketch. 21.15—Karen Fladose. 21.30—Music. 21.45—Songs. (a, b) 22.00—For Children. 22.15—Plough Boys. 22.30—For Children. 23.00—News. 23.15—Mary Small; Music. 23.45—Lowell Thomas—Topical. (b) 00.00—Variety. (b, c) 02.00—Variety. 03.30—The Other Americas. 04.00-06.00—News; Variety. RIO DE JANEIRO (PRFS), 22.30—News (Port.). 23.00—Talks (Various Languages). ROME, (a) 13.15—Music. 14.00-15.30—Act III, La Gioconda (Ponchielli). 16.30—Music. 17.15-18.00 and 18.45-19.30—From Rome (420.8 m.). (b) 22.59—American Hour from Rome. News (Eng., It.). Mefistofele (Boito). For Women. Pfte. RUYSSLEDE, 19.30—News (Flem., Fr.). 20.00-21.00—From Brussels (2). SCHENECTADY, (a) 19.00—Soprano. 19.15—Household Chat. 19.30—Piano Pals. 19.45—WPA Programme. (b) 21.00—Sketch. 21.15—How to be Charming. 21.30—Stocks; Music. 22.00—Topical. 22.30—Tom Mix. 22.45—Songs. 23.00—News; Music. 23.30—News; Orchestra. 23.45—Scissors and Paste. 00.00—Spanish Programme. 00.30—Stocks. 00.50—News (Span.). 01.00—Variety; News. 04.30-05.05—Organ. SKAMLEBAEK (OXY), 18.00 till Close—Kalundborg Programme. SUVA, FIJI, 05.30-06.30—Records. TOKIO (JVP), 19.00—Announcements; News (Eng.). 19.15—Variety. 19.45-20.00—News. VATICAN CITY, (a) 10.00—Religious Notes (Ger.). (b) 19.00—Religious Notes (Ital.). ZEESEN (DJB, DJN), 08.45—Call (Ger., Eng.). 09.00—Band. 09.30—News (Eng.). 09.45—Operetta. 10.30—Talk. 10.45—News; Music. 12.00-12.15—News (Eng.); Music. ZEESEN (DJA, DJB, DJN), 13.05—Call (Ger., Eng.). 13.15—Talk. 13.45—News in Eng. (DJA) and Dutch (DJB, DJN). 14.00—Band. 15.15—News. 15.45—Dances. 16.15—News in Eng. (DJA) and Dutch (DJN). ZEESEN (DJD, DJC), 17.00—Call (Ger., Eng.). 17.15—News. 17.30—For Women. 18.00—Folk Songs. 19.00—News (Eng.). 19.15—Topical. 19.30—Orchestra. 20.45—Folk Songs. 21.00—News (Ger., Eng.). 21.55—See 17.00. 22.00—Dances. 22.45—News. 23.00—Orchestra. 00.15—Topical. 00.30—For Women. 01.00—Folk Songs. 01.15—News (Eng.). 01.30—Variety. 02.00—News. 02.15—Variety. ZEESEN (DJB, DJN), 21.55—Call (Ger., Span., and Port.). 22.00—Dances. 22.40 (DJA)—Economics. 22.45—News. 23.00—Symphony Concert. 00.15—News (Span., Port.). 00.30—Words, Music. 01.00—Songs. 01.15—Topical. 01.30—Variety. 02.00—News. 02.15 (DJN)—Variety; (DJA) Call (Ger., Port.). 03.30 (DJN)—News (Span.).

SATURDAY, Feb. 22

EMPIRE

Transmission 1 (GSF, GSB), 07.15—Big Ben. Cello and Organ Recital. 08.00—Talk. 08.20—Song Recital. 08.45—Edith Penville (Flute). 09.00—News. 09.15—Close. Transmission 2 (GSG, GSF, GSB), 11.00—Big Ben. Orchestra; Richard Wilson (Bass-Baritone). 12.15—Talk. 12.30—Syncopated Pfte. Music. 12.45—Variety. 13.30—News. 13.45—Close. Transmission 3 (14.00-15.30 GSF, GSE; 15.30-17.00 GSE, GSB), 14.00—Big Ben. Girl Guide Talk (Lady Baden-Powell). 14.10—Orchestra. 14.50—Scotland v. Ireland—Rugby. 16.30—News. 16.45—Orchestra. 17.00—Close. Transmission 4 (17.15-19.30 GSI, GSD, GSB; 19.30-20.45 GSI, GSD, GSB; 21.00-22.45 GSC, GSB, GSL); 17.15—Big Ben.

Variety. 18.00—News. 18.20—Dance Music. 18.30—Sports Talk. 18.45—Frederick Sharp (Baritone). 19.00—Saturday Magazine. 19.45—Orchestra. 20.30—Talk. 20.45—Close. 21.00—Scotland v. Ireland—Rugby. 21.50—Songs. 22.00—News. 22.20—Orchestra; Laelia Finneburg (Soprano). 22.45—Close. Transmission 5 (GSC, GSB, GSA), 23.00—Big Ben. Song Recital. 23.25—Scotland v. Ireland—Rugby. 00.15—Pfte. Recital. 00.30—Talk. 00.45—News. 01.05—Close. Transmission 6 (GSC, GSI), 03.00—Big Ben. Mail Bag. 03.45—News. 04.05—Close. CARACAS, 16.15-18.30—Records. 21.00—Music. 22.15—For Children. 22.30—Dance Music; Songs. 23.00—News; Music. 00.00—Tales; Music. 00.30—Talk; Songs; Music. 01.30—Jules Verne Programme. 02.00—Spanish Lesson. 02.15-02.30—The Happy Bunch. HUIZEN (PHI), (a) 13.30—Call; Music; News; Talk. 14.40—News; Music; Newcomers. 15.20-16.30—Songs; Orchestra; Dance Music. MADRID (EAQ), 17.00—Music. 18.00—Talk; Exchange. 18.20-19.00—Music. 22.15—News (Eng.); Music. 22.45—News; Music. 23.30—News (Span., Fr., Eng.). 23.40—Music. 00.00—For English People. 00.35—Music. 01.00—Letters; Music. 02.00-02.30—News; Music. MOSCOW, 17.45—Symphony Concert. 20.00—German Programme. 21.05—French Programme. 22.00—Swedish Programme. PARIS (Radio-Colonial), (a) 22.30—News (Span., Port.). 23.00—Sports. (b) 23.15—Orchestra. 00.15—News (Fr., Span.). 01.00—News (Eng.); Records. 02.00-04.00—Reviews. 04.00—Records. 04.20—News (Eng. Fr., Span., Ger.). PITTSBURGH, (a) 14.00—Orchestra; Tenor. 15.00—News. 15.15—Edward MacHugh. 15.30—Songs. 15.45—Tenor; Orchestra. 16.00—For Children. 16.45—Mac and Blaine. 17.00—News. 17.15—Grab Bag. 17.30—Farm and Home Hour. 18.30—Metropolitan Grand Opera. (a, b) 22.15—Bill and Alex. 22.30—Dog Drama. 23.00—News. 23.15—Plough Boys; Music. 23.45—Variety. (b) 00.00—Variety. 00.45—Revue. 01.15—Boston Symphony Orchestra. (b, c) 02.15-06.00—Variety. RIO DE JANEIRO (PRFS), 22.30—News (Port.). 23.00—Talks (Various Languages). ROME, (a) 13.15—Songs. 14.00-15.30—Quartet; Songs. 16.30—Opera Records. 17.15-18.00 and 18.45-19.30—From Rome (420.8 m.). (b) 23.20—News. Mefistofele (Boito). For

12 noon

BERLIN and COLOGNE, Light Music. BRUSSELS (1), Light Music and Recitations. BRUSSELS (2), Records. BUDAPEST (1), Opera Orchestra. 12.45—Topical. HAMBURG, 12.10—Music from Berlin. HILVERSUM (1,875 m.), 12.10—Lajos Orchestra. 12.40—Dutch Indies Relay—Report from the Botanical Gardens, Buitenzorg. HILVERSUM (301.5 m.), 12.30—Male Voice Choir, K.R.O. Symphony Orchestra, Talks. KALUNDBORG, The Pickwick Papers (Dickens) (in English). 12.20—German Talk. 12.40—French Talk. KÖNIGSBERG, Elbing. MUNICH, BRESLAU, DEUTSCHLANDSENDER, FRANKFURT, LEIPZIG, and STUTTGART, Light Music and Garmisch Olympic Games Reports. RADIO-NORMANDIE, Songs. 12.30—Roman Catholic Service. 12.45—News. RADIO-PARIS, Mlle Zilgine (Organ). 12.30—Religious Address. 12.50—News. ROME and TURIN, Time; News. 12.10—Musical Sketch. 12.40—Records. STOCKHOLM, 12.30—Symphony Concert.

1 p.m.

BRESLAU, News. 1.10—Talks. 1.50—Variety. BRUSSELS (1), News. 1.10—Druart (Organ). BRUSSELS (2), News. 1.10—Light Music. BUDAPEST (1), Records. HILVERSUM (1,875 m.), Report (cont'd.). 1.10—A.V.R.O. Orchestra. 1.40—Books. HILVERSUM (301.5 m.), Music and Talks (cont'd.). 1.30—K.R.O. Orchestra. 1.45—K.R.O. Colonial Programme. KALUNDBORG, Records. 1.15—Talk. 1.30—Report: A Ballet Rehearsal. 1.55—For Children. KÖNIGSBERG, Chess. 1.30—Quintet. 1.45—Talk. MUNICH, BERLIN, COLOGNE, DEUTSCHLANDSENDER, FRANKFURT, HAMBURG, LEIPZIG, and STUTTGART, Light Music and Reports (cont'd.). RADIO-NORMANDIE, Light Music. RADIO-PARIS, Poulet Concert Orchestra. Maryste Tenneval (Songs). ROME, Records. 1.15—"The Raising of Lazarus" (Perosi). TURIN, Records.

2 p.m.

BRESLAU, Variety. 2.30—Play for Children. BRUSSELS (1), Records. 2.30—Romantic Songs—Talk with Illustrations. BRUSSELS (2), Records. BUDAPEST (1), 2.50—Pertis Cigany Band. HILVERSUM (1,875 m.), Books. 2.10—Beethoven—A.V.R.O. Orchestra. Roodenburg (Violin). HILVERSUM (301.5 m.), Colonial Programme (cont'd.). 2.45—The Dutch Colonies and Holland—Chimes: Talk; Records. KALUNDBORG, For Children. 2.25—Royal Life Guards Band. Conductor: Dyring, Nils Hansen (Songs). KÖNIGSBERG, Songs (Vollerthun), by Maria Drews (Contralto), Horsten (Baritone), Elbing Choir, Königsberg Station Choir. 2.30—"Napoleon's Circle"—Play (Olinski). MUNICH, BERLIN, COLOGNE, DEUTSCHLANDSENDER, FRANKFURT, HAMBURG, LEIPZIG, and STUTTGART, Light Music and Reports (cont'd.). PARIS (PTT), "La bonne école"—Comedy (Montignac). 2.30—"Song of Happiness"—Operetta (Lehár) from the Gaité-Lyrique. POSTE PARISIEN, 2.30—France v. England Rugby League Match Commentary from the Buffalo Stadium. PRAGUE 2.40—From Mozart to the Present Day—FOK Orchestra, Station Choir, Zdenko Spackova (Soprano) Maxian (Pfte.). RADIO-NORMANDIE, Musical Melodrama. 2.30—Light Music. RADIO-PARIS, Sketch by Billoquet. 2.15—Cib—Lette Duos. 2.30—See Poste Parisien. ROME and TURIN, 2.50—Football Report. STRASBOURG, French Music. Lise Granger-Daniels (Songs), Halter (Pfte.).

3 p.m.

ATHLONE, Records. BRUSSELS (1) Liège Conservatoire Concert, Conductor: Rasse. Casado (Cello)—Beethoven, Schumann, Mozart and Weber, BRUSSELS (2), "Le Pays de Waes"—Play (Servotte). BUDAPEST (1), Band (cont'd.). 3.30—Robert Ballezger. HILVERSUM (1,875 m.), 3.5—van Renesse (Pfte.). 3.55—Talk. HILVERSUM (301.5 m.), K.R.O. Orchestra. 3.40—Records. KALUNDBORG, Band (cont'd.). KÖNIGSBERG, Tartini and Pag-

ani—Heber (Violin) and Rudolph (Pfte.). 3.30—See Munich. MUNICH, BERLIN, BRESLAU, COLOGNE, DEUTSCHLANDSENDER, FRANKFURT, HAMBURG, LEIPZIG, and STUTTGART, Light Music and Reports (cont'd.). 3.30—Relay of the Closing Ceremonies of the Garmisch Olympic Games. PARIS (PTT), "Song of Happiness" (cont'd.). POSTE PARISIEN, and RADIO-PARIS, Rugby Match Report (cont'd.). PRAGUE, Orchestra, Choir, Soloists (cont'd.). RADIO-NORMANDIE Light Music and Songs. ROME and TURIN, Football Report (cont'd.). 3.45—Asmara Relay. STRASBOURG, French Music (cont'd.). 3.30—Variety. WARSAW, For Children. 3.15—Mandoline Band. 3.45—Pankiewicz Songs—Choirs.

4 p.m.

ATHLONE, Records. BEROMÜNSTER, Unexpected Guests—Programme by Kate Joël. 4.30—Lithuanian Folk Music (Records). BRUSSELS (1), Concert (cont'd.). BRUSSELS (2), Light Music. BUDAPEST (1), Liszt Concert from the Zichy Palace. HILVERSUM (1,875 m.), 4.5—Sports; Records. HILVERSUM (301.5 m.), Records. At 4.10—For Invalids. KALUNDBORG, Service. MUNICH and all GERMAN STATIONS, Olympic Games Closing Ceremonies (cont'd.). PARIS (PTT), "Song of Happiness" (cont'd.). In the interval at 4.20: Broos (Viola). POSTE PARISIEN, Rugby Match Report (cont'd.). 4.30—Records: Light Music. PRAGUE, Orchestra, Choir and Soloists (cont'd.). 4.20—Talks. RADIO-NORMANDIE, Tea-Time Hour. 4.45—Children's Corner. RADIO-PARIS, France v. England Rugby Match Report. 4.45—Yvonne Leduc (Songs). ROME and TURIN, Bach, Beethoven, Torrici, Strauss and Dukas—Symphony Concert from the Politeama Fiorentino. Conductor: Gui. In the interval: Sports. STRASBOURG, Variety. 4.30—To be announced. VIENNA, Dohnányi and Kodaly—New Hungarian String Quartet. 4.50—Joseph Lux reads. WARSAW, 4.5—Dance Music. 4.40—Snapshots.

5 p.m.

BERLIN, Besenfelder (Songs to the Lute), Instrumental. 5.45—"Men and Motors"—Play with Music. BEROMÜNSTER, Talks. BRUSSELS (1), Dance Music. At 5.30—Football Results. BRUSSELS (2), Dance Music. At 5.30—Sports. BUDAPEST (1), Liszt Concert (cont'd.). 5.20—Robert Kertesz. 5.50—Orchestra. COLOGNE, Münster Carnival Committee Meeting Relay. DEUTSCHLANDSENDER, BRESLAU and MUNICH, Melody and Rhythm. FRANKFURT, Carnival Records. 5.11—Mainz Carnival Meeting Relay. HILVERSUM (1,875 m.), Records. 5.25—Talk. 5.40—Wischnewsky (Tenor). 5.50—News. HILVERSUM (301.5 m.), Service. KALUNDBORG, Service (cont'd.). 5.20—Russian Folk Melodies—Talk with Balalaika and Domra Illustrations. KÖNIGSBERG, Elbing Municipal Theatre Orchestra. LEIPZIG and HAMBURG, "From the Source of the Elbe to Wittenberg"—Picture Sequence, with Music. MOSCOW, 5.45—Concert Version: "And quiet flows the Don"—Opera (Dzerjinski). PARIS (PTT), "Song of Happiness" (cont'd.). 5.30—Television. POSTE PARISIEN, Records: Light Music. PRAGUE, Talk (cont'd.). 5.50—News (German); Record. RADIO-NORMANDIE, Time; Light Music. 5.15—Adventures of a Reporter. 5.30—Records. 5.45—Dance Music. RADIO-PARIS, Bach and Wagner—Fasdeloup Concert from the Opera-comique. Conductor: Wolff Albert Levçev (Pfte.). ROME and TURIN, Symphony Concert (cont'd.). STRASBOURG, See Radio-Paris. STUTTGART, Dance Band. VIENNA, Reading (cont'd.). 5.10—Wiener Spaziergänge—Orchestra. Conductor: Schönherr. Tautenhayn Quartet. Anny Sieberg (Soprano). WARSAW, Lifan (Cello). 5.30—Play.

6 p.m.

BERLIN, Play (cont'd.). 6.45—Sports.

BEROMÜNSTER, Time, News. 6.5—Chopin—Josef Wagner (Pfte.). 6.35—Talk. 6.50—Popular Concert. BRESLAU, See Deutschlandsender. 6.30—Sports. BRNO, 6.5—South Moravian Carnival—Folklore Programme. BRUSSELS (1), Record. 6.15—Dance Band. BRUSSELS (2), Mozart and Schumann—the Antwerp Trio. 6.45—Religious Address. BUCHAREST and RADIO-ROMANIA, News. 6.15—Dance Music. BUDAPEST (1), Orchestra. 6.55—Sports. COLOGNE, Carnival Meeting (cont'd.). 6.45—Sports. DEUTSCHLANDSENDER, Melody and Rhythm. 6.30—The "Schule und Luftfahrt" Exhibition—Songs and Reports. FRANKFURT, Carnival Meeting (cont'd.). At 6.45: Sports. HAMBURG, Dance Band. 6.40—Sports. HILVERSUM (1,875 m.), Tenor (cont'd.). 6.10—Dramatic Programme. 6.40—Records. HILVERSUM (301.5 m.), Service; Records. KALUNDBORG, News. 6.30—Talk. KÖNIGSBERG, Literary and Musical. LEIPZIG, Pfte. Trio (von Paszthory)—Composer (Pfte.), Shachtebeck (Violin) and Rebhan (Cello). 6.35—Carnival Sequence (Drescher). Music by Beilshmidt. MOSCOW, Opera (cont'd.). MUNICH, See Deutschlandsender. 6.30 Rigoletto Paraphrase (Liszt). 6.40—Homing-Pigeon Race over Munich (on Records). OSLO, 6.30—Time; Helga Lokke (Violin)—Bach, Saint-Saëns, Kreisler and Sarasate. PARIS (PTT), Television. 6.30—Topical. POSTE-PARISIEN, Records: Light Music. PRAGUE, News. 6.5—See Brno. 6.55—Talk. RADIO-NORMANDIE, Light Music. RADIO-PARIS, Bach and Wagner (cont'd.). RIGA, 6.15—Lithuanian Independence Day Festival. ROME and TURIN, Sports. 6.20—Announcements. 6.40—Garmisch Olympic Games Report. STRASBOURG, See Radio-Paris. STUTTGART, Sports. 6.11—Carnival Meeting Report. TALLINN, 6.15—Lithuanian Independence Day Festival. VIENNA, Time; Announcements. 6.10—Wiener Spaziergänge (cont'd.). WARSAW, Play (cont'd.). 6.10—Announcements. 6.45—Poems.

7 p.m.

BEROMÜNSTER, Popular Concert. BRESLAU, "Pioneers of the Arctic"—Sequence with Music. BRUSSELS (1), Religious Address. 7.15—Records. 7.30—Music Review. BRUSSELS (2), Jeanne Jacquemart (Pfte.). 7.30—Music Review. BUCHAREST and RADIO-ROMANIA, Dramatic Programme. BUDAPEST (1), Sports. 7.10—Operetta Music—Budapest Concert Orchestra. Conductor: Marthon. Soloists. COLOGNE and BERLIN, Dance Music. DEUTSCHLANDSENDER, HAMBURG and MUNICH, "The Music Express"—Variety. EIFFEL TOWER, See Kaunas. 7.30—Records. 7.45—Topical. FRANKFURT, Carnival Meeting (cont'd.). HILVERSUM (1,875 m.), Records. 7.40—Time; News. 7.55—French Music—A.V.R.O. Orchestra. Vina Bovy (Soprano). HILVERSUM (301.5 m.), Records. 7.25—News; Talk. KALUNDBORG, "The Maidens' Bower" (Schubert-Berte) from the Royal Theatre. KAUNAS, RIGA and TALLINN, Lithuanian Independence Day Festival. KÖNIGSBERG, Variety. LEIPZIG, Symphony Orchestra, Conductor: Blumer. MOSCOW, Symphony Concert, Conductor: Orlov. Strelzov (Tenor). OSLO, Handicrafts. 7.30—Danish Music—Station Orchestra, Biehe (Songs). PARIS (PTT), Topical. 7.40—For Gardeners. 7.45—Lyne Clevers and Pierre Mingand Programme. POSTE PARISIEN, News; Records. PRAGUE, See Kaunas. 7.40—Talk. 7.55—Variety. RADIO-NORMANDIE, Light Music. 7.45—News. RADIO-PARIS, Jean Sorbier and Marie Simon (Songs). 7.30—Radio-Paris Circus by Billoquet and Troupe. ROME, Guessing Competition. 7.5—To be announced. 7.20—Time; News; Talk. 7.35—"Il marita anante della moglie"—Comedy (Giacosa). SOTTENS, Old Italian Music—The Menestrade, Conductor: Hélène Teyssieire-Wuilleumier. Flore Wend (Soprano). 7.30—Fantasies. 7.50—Chopin—Marie Panthès (Pfte.). STOCKHOLM, From Strauss to

February 16 SUNDAY

Lehár (Hruby)—Orchestra. Choir and Soloists. STRASBOURG, Talk (German). 7.15—Lithuanian Independence Day Programme. 7.30—Time; News. STUTTGART, "The Golden Wedding"—Swabian Peasant Sequence. 7.50—News (German). TOULOUSE, Concert. At 7.30: News. TURIN, See Rome. 7.35—Genoa University Students' Programme. VIENNA, Poem. 7.5—Carnival—Comedy and Humorous Sequence with Music. WARSAW, Wagner and Mathilde Wesendonck—Station Orchestra. Conductor: Fitelberg. Zawadzka (Songs). 7.45—Reading. 7.50—News.

8 p.m.

ATHLONE, 8.30—Denis Cuffe and Irish Dance Band. BEROMÜNSTER, News. 8.10—Berne Mandoline Band. 8.30—See Monte Ceneri. BRESLAU, BERLIN, COLOGNE, LEIPZIG, and STUTTGART, "Das Lebensbuch Gottes" Oratorio (Haas). Conductor: The Composer. BRUSSELS (1), Radio Variety. BRUSSELS (2), "Salome" (Strauss), from the Royal Flemish Opera, Antwerp. In the intervals: Recitations, News. BUCHAREST and RADIO-ROMANIA, Viennese Music. At 8.30—News. BUDAPEST (1), Operetta Music (cont'd.). 8.40—News. DEUTSCHLANDSENDER, HAMBURG and MUNICH, Variety (cont'd.). EIFFEL TOWER, Topical. 8.15—News. 8.30—Plays (Bernard): (a) "Le Prince Charmant." (b) "Les plaisirs du dimanche." FRANKFURT, Carnival Meeting (cont'd.). HILVERSUM (1,875 m.), French Music (cont'd.). 8.40—News. 8.55—Palla (Organ). HILVERSUM (301.5 m.), K.R.O. Orchestra. Corradina Mola (Pfte.). 8.20—Talk. 8.35—K.R.O. Symphony Orchestra. Conductor: v. Otterloo. KALUNDBORG, "Lilac Time" (cont'd.). KAUNAS, Festival (cont'd.). 8.30—Report (in French, German, Russian, Polish). 8.50—Dance Music. KÖNIGSBERG, Soldier Songs and Marches. MONTE CENERI, Tullio Daneri and Louis Gay de Combes (Violins). 8.30—"L'Amante in trappola"—Opera (Pedrollo). MOSCOW, The Wreck of the Tcheliuskina (in German). OSLO, Danish Music (cont'd.). 8.45—News. PARIS (PTT), Clevers and Mingand (cont'd.). 8.15—Sports. 8.30—Song Programme (arr. Delaunay). Conductor: Chobillon. POSTE PARISIEN, Records. 8.15—Three One-Act Comedies. PRAGUE, Variety. RADIO-NORMANDIE, Light Music. 8.15—Operetta Music. At 8.30—Sports. RADIO-PARIS, Historical Dialogues (Davenay). 8.30—News. 8.45—Plays (Coolus): (a) "Coeur blette," (b) "Rue Spontini." RIGA, See Kaunas. 8.30—Dance Records. ROME, Comedy (cont'd.). SOTTENS, Chopin (cont'd.). 8.20—News. 8.30—See Monte Ceneri. STOCKHOLM, From Strauss to Lehár (cont'd.). 8.45—News. STRASBOURG, News (German). 8.15—Echoes from Salzburg—Mozart—Conductor: de Villers. Erika Rokyta and Jerger (Songs). TALLINN, See Kaunas. TOULOUSE, "Concert. TURIN, Students Programme (cont'd.). 8.35—"Tanz ins Glück" (Stolz). VIENNA, Carnival (cont'd.). WARSAW, Variety. 8.30—Talks.

9 p.m.

ATHLONE, Denis Cuffe and Band (cont'd.). 9.30—Variety. BERLIN, BRESLAU, COLOGNE, HAMBURG, KÖNIGSBERG, LEIPZIG and STUTTGART, News. 9.30—See Munich. BEROMÜNSTER, See Monte Ceneri. 9.15—Sports. BRUSSELS (1), Cabaret. 9.30—Radio Variety. BRUSSELS (2), "Salome" (cont'd.). BUCHAREST and RADIO-ROMANIA, Viennese Music. 9.55—News. BUDAPEST (1), News. 9.10—Jazz Band. DEUTSCHLANDSENDER, News. 9.30—Max Saal (Harp) and Jäger (Neo-Bechstein). EIFFEL TOWER, Plays (cont'd.).

FRANKFURT, Time; News. 9.45—Dance Music from Munich. HILVERSUM (1,875 m.), Palla (Organ). 9.15—Concertgebouw Orchestra. Conductor: van Beinum. Hélène Cals (Soprano). HILVERSUM (301.5 m.)—Orchestra (cont'd.). 9.20—Records. 9.30—K.R.O. Melodists. KALUNDBORG, "The Maidens' Bower" (cont'd.). At 9.35—News. KAUNAS, Dance Music. MONTE CENERI, Opera (cont'd.). 9.15—Sports. MOSCOW, 9.5—U.S.S.R. Review (English); Questions and Answers (English). MUNICH, Time, News. 9.30—Dance Music. OSLO, Topical. 9.15—News. 9.35—Wind Band. PARIS (PTT), Song Programme (cont'd.). POSTE PARISIEN, Comedies (cont'd.). PRAGUE, Time; News. 9.20—Garmisch Olympic Games Report. 9.35—Records. 9.40—News (German). 9.50—Dance Music. RADIO-NORMANDIE, Operetta Music. 9.20—Interview. 9.30—Light Music. RADIO-PARIS, Plays (cont'd.). RIGA, Dance Records. ROME, Comedy (cont'd.). 9.15—Dance Music. SOTTENS, See Monte Ceneri. STOCKHOLM, Haquinus and Haydn—the Barkel Quartet. STRASBOURG, Mozart (cont'd.). 9.30—Two Plays. TOULOUSE, Concert. TURIN, "Tanz ins Glück" (cont'd.). VIENNA, News. 9.20—Telmányi (Violin). Vasarhelyi (Pfte.). WARSAW, Dance Music. At 9.30—Garmisch Olympic Games Report

10 p.m.

ATHLONE, Variety (cont'd.). 10.30—News. 10.40—Talk. 10.50—Denis Cuffe and Band (cont'd.). BRUSSELS (1), News. 10.10—Dance Music. BRUSSELS (2), "Salome" (cont'd.). BUDAPEST (1), Lakatos Cigany Band. DEUTSCHLANDSENDER, Dance Band. HILVERSUM (1,875 m.), 10.5—Play. 10.25—Records. 10.40—News. 10.50—Dance Music. HILVERSUM (301.5 m.), K.R.O. Melodists. 10.10—News; Records. 10.20—Epilogue. KALUNDBORG, "The Maidens' Bower" (cont'd.). 10.30—Dance Band. MOSCOW, Contemporary Poetry and Prose (German). MUNICH, BERLIN, BRESLAU, COLOGNE, FRANKFURT, HAMBURG, KÖNIGSBERG, LEIPZIG and STUTTGART, Dance Music. PARIS (PTT), Song Programme (cont'd.). 10.30—News. 10.45—Dance Band. POSTE PARISIEN, Comedies (cont'd.). 10.30—Records. PRAGUE, Dance Music. RADIO-NORMANDIE, Concert. RADIO-PARIS, Plays (cont'd.). 10.45—Time, Dance Music—Pascual Orchestra. ROME, News. 10.10—Dance Music. STRASBOURG, Plays (cont'd.). 10.45—See Paris (PTT). TOULOUSE, Dance Music. 10.30—News; Dance Music. TURIN, "Tanz ins Glück" (cont'd.). News. VIENNA, Carnival Concert—Vienna State Opera Choir. WARSAW, 10.5—Dance Records.

11 p.m.

BERLIN, Band. BRUSSELS (1) Records. BRUSSELS (2), Records. DEUTSCHLANDSENDER, Band. HILVERSUM (1,875 m.), Dances. KALUNDBORG, Dance Band. PARIS (PTT), and STRASBOURG, Dance Band. POSTE PARISIEN, Records. RADIO-NORMANDIE, Light Music. RADIO-PARIS, Dance Music (cont'd.). 11.15—Light Music. STUTTGART and FRANKFURT, "Paradise and the Peri"—Cantata (Schumann). TOULOUSE, Concert. VIENNA, Dance Music.

12 midnight

RADIO-NORMANDIE, Dance Music. 12.30—Time; Orchestra. RADIO-PARIS, Light Music. STUTTGART and FRANKFURT, "Paradise and the Peri" (cont'd.). TOULOUSE, Music; News.

1 a.m. (Monday)

RADIO-NORMANDIE, Dances.

SUNDAY (February 16)

NATIONAL

Time Signals : Big Ben, 12.30, 10.45 p.m. Greenwich, 10.30 a.m., 4.30, 9.0 p.m. D=Droitwich.
 9.30-10.15 a.m. (D)—Scottish Service.
 10.30-10.45 (D)—Weather Forecast.
 12.30 p.m. (D)—Cedric Sharpe (Cello).
 1.0 (D)—Isidore Schwiller String Sextet ; Thelma Tuson (Soprano).
 1.45 (D)—BBC Scottish Orchestra.
 2.45 (D)—Cellini Trio.
 3.15 (D)—Records.
 3.45 (D)—Eugene Pini and his Tango Orchestra, with Diana Clare.
 4.30—Joan and Betty's Bible Story, by E. R. Appleton.
 4.50—"I Remember"—The Rt. Rev. H. L. Paget, D.D.
 5.15—Christian Morals—The Rev. Father M. C. D'Arcy, S.J.
 5.30—The Lener Quartet (Schubert, Kodály).
 6.45—Imaginary Biographies (4)—"The Man who recognised the Royal Family at Varennes," by Hilaire Belloc ; read by John Maude.
 7.0—Doda Conrad (Bass) ; Eda Kersey (Violin).
 8.0—Scottish Religious Service.
 8.45—Appeal, on behalf of the Personal Service League, by the Hon. Mrs. Sydney Marsham.
 8.50—"The News."
 9.0—Frieda Hempel (Soprano).
 9.30—BBC Revue Chorus and Theatre Orchestra : March of the Toreador (Carmen) (Bizet), Overture, Maritana (Wallace), Kermesse (Faust) (Gounod), Intermezzo (Madam Butterfly) (Puccini), Suite, Polchester (Kenneth Leslie-Smith), Barcarolle (Lemare), Patrol March, The British Grenadiers (Stanford Robinson), Seventeen cum Sunday (arr. Grainger), Selection, Fledermaus (Strauss), An Englishman in Vienna (Posford).
 10.45—Epilogue.

REGIONAL

Time Signals : Big Ben, 12.30, 10.45 p.m. Greenwich, 4.30, 9.0 p.m.
 12.30-4.30 p.m.—Droitwich.
 4.30—The Alphas.
 5.30 (ex. Midland, Northern)—Bala-laika Orchestra, Songs.
 5.30 (Midland)—"Three Moods of Fame" (Lord Dunsany), presented by the Oxford Repertory Company.
 5.30 (Northern)—Czardas Band.
 6.0 (ex. Midland, Northern)—BBC Military Band ; Darroll Richards (Tenor).
 6.15 (Midland)—Harry Engleman's Quintet, with Vernon Adcock (Xylophone).
 6.30 (Northern)—"Up North Again this Week"—Victoria Hopper, Basil Dean.
 6.45 (ex. Western, N. Ireland)—The Nativity Story, compiled from the Oratorios by Joseph Lewis.
 6.45 (Western)—Records.
 6.45 (N. Ireland)—Service.
 7.30 (Western)—Carolare.
 7.55 (Midland)—Roman Catholic Service.
 7.55 (Western)—Congregational Service.
 7.55 (Northern)—Service, organised by Leeds Youth Group.
 7.55 (Scottish)—Congregational Service.
 8.0 (Regional, N. Ireland)—Service from the Studio.
 8.45—Appeal, see National.
 8.50—"The News."
 9.0—The Spice of Life (4)—George Robey.
 9.20—BBC Orchestra (Section B), conducted by Ernst Von Dohnányi : Overture, Egmont (Beethoven), Minutes symphoniques (Dohnányi), The Garden of Fand (Bax), Symphony No. 4 in E minor (Brahms).
 10.45—Epilogue.

Hours of Transmission in Greenwich Mean Time

ATHLONE (Ireland)
 565 kc/s (531 m.) ; 60 kW. Relayed by Dublin, 1,348 kc/s (222.6 m.) ; and Cork, 1,240 kc/s (241.9 m.).
 3.0-5.0 p.m.—Records.

8.30—Denis Cuffe : Lesson in Irish Figure Dancing ; Irish Dance Music.
 9.30—Variety. 10.30—What happened to-day. 10.40—Sean O'Ceallachain : Sport in Ireland. 10.50—Irish Dance Music (contd.). 11.0—National Anthem.

BARCELONA (EAJI) (Spain)
 795 kc/s (377.4 m.) ; 7.5 kW.
 Transmits at intervals from 7.15 a.m.
 6.0 p.m.—Station Orchestra. 6.45—Elena Vilardaga (Songs). 7.15—Chapi Music—Station Orchestra. 8.0—Dance Music.
 9.0—Chimes ; Records. 10.0—For Students. 10.30—Records. 10.45—Talks. 11.0—Records. 11.15—Chess Lesson. 11.30—Report. 11.40-12.0 m't—Records.

PRINCIPAL EVENTS

SERVICES AND SACRED MUSIC
 A.M.
 9.0 Kalundborg : Church Service.
 P.M.
 12.30 Radio-Paris : Address.
 8.0 Breslau, etc. : Oratorio (Haas).

SYMPHONY CONCERTS
 12.30 Stockholm : Atterberg, Brahms.
 2.10 Hilversum (1,875 m.) : Beethoven.
 3.0 Brussels 1 : Rasse, Cassado.
 4.0 Italian Stations : Gui.
 5.0 Radio-Paris, Strasbourg : Bach, Wagner.

9.15 Hilversum (1,875 m.) : From the Concertgebouw.
 9.20 Regional : Dohnányi.
 11.0 Stuttgart, Frankfurt : Paradise and the Peri (Schumann).

LIGHT CONCERTS
 2.25 Kalundborg : Guards Band.
 4.0 Brussels 2 : Radio orchestra.
 5.10 Vienna : Viennese programme.
 7.0 Deutschlandsender, etc. : "The Music Express."
 7.0 Kaunas, Prague, etc. : Lithuanian programme.
 7.0 Stockholm : Strauss to Lehár.
 7.0 Warsaw : Wagner.
 7.10 Budapest 1 : Operetta music.
 7.30 Oslo : Danish music.
 7.35 Turin : Students' programme.
 8.0 Brussels 1 : Variety concert.
 8.0 Bucharest : Viennese music.
 8.0 Hilversum (301.5 m.) : The K.R.O. Orchestra, pftc.
 8.15 Strasbourg : A Salzburg prog.
 10.0 Budapest 1 : Cigány Band.
 10.0 Vienna : Opera Carnival.
 11.15 Radio-Paris : Light music.
OPERAS
 8.0 Brussels 2 : Salome (Strauss).

BERLIN (Germany)
 841 kc/s (356.7 m.) ; 100 kW.
 5.0 a.m.—Greetings ; Gym. 5.30-7.0—Concert from Hamburg. 7.0—Gym. 7.25—Talk. 7.55—Chimes and Service from Potsdam Garrison Church.
 8.55—Cathedral Chimes.
 9.5-10.0—Hans Beltz (Pfte.) and Zernick (Violin). Rondo brillant in B minor (Schubert). Rondo in G for Pfte. (Beethoven). The Kreutzer Sonata (Beethoven). 10.30—Ballet (Records).
 11.0—Concert. Part I. Military Band. Conductor : Müller-John. March, Mit Panzerkraft (Gehrauch). Wangerheim-Marsch (Lieve). Waltz, Traum-ideale (Fučík). Tanzende Sonnenstrahlen (Thiele). March, Kameradentreue (Bähre). March, Reitergeist (Scheibe). Overture, "Das Nachtlager in Granada" (Kreutzer). The Skater's Waltz (Waldteufel). Deutsche Marschperlen (Blankenburg). Part II.

Station Orchestra, Conductor : Lindemann. Schulz, Schröder and Neumann (Flutes). Overture, "Mignon" (Thomas). Three Flutes and Orchestra, Divertimento (Alt). Suite, Jeux d'enfants (Bizet). Norwegian Dances (Grieg). Waltz, A toi (Waldteufel). Pesther-Karneval (Liszt).

1.0-5.0 p.m.—Light Music and Garmisch Olympic Games Report from Munich.
 5.0—Besemfelder (Songs to the Lute), Metzeltin (Violin), Fröhlen (Viola), and Becker (Cello). Serenade in A (Mojšisovics). Austrian, Swabian and Swiss Songs. Polonaise (Beethoven). Two Songs : (a) Das Körblein, (b) Ich ging durch ein grasgrünen Wald. Two Movements (Andrae).
 5.45—"Men and Motors"—Play (Henne and Weise). Music by Windt.
 6.45—Sports.
 7.0—See Cologne.
 8.0—See Breslau. 9.0—News.

Schmid : The Winter Olympic Ice Hockey Finals. 2.0—Interval.
 4.0-8.30—Programme from Berne. 4.0—"Unexpected Guests"—Programme by Käte Joël. 4.30—Records : Lithuanian Folk Music. 5.0—Chess Talk. 5.30—Talk : The Magi of Babylon. 6.0—Time ; News. 6.5—Chopin—Josef Wagner (Pfte.). 6.35—Talk on Unusual Careers : The Magician. 6.50—Popular Concert. 8.0—News. 8.10—Berne Mandoline Band.
 8.30—See Monte Ceneri. 9.15 (from Berne)—Sports.

BRATISLAVA (Czechoslovakia)
 1,004 kc/s (298.8 m.) ; 13.5 kW.
 5.45 a.m.—See Prague. 7.30—Talk. 7.50—Records. 8.0—Roman Catholic Service. 9.0—Roman Catholic Address. 9.15—Record. 9.20—Announcements. 9.25—See Prague. 10.0—See Brno. 11.0—See Prague. 12.20 p.m.—For Farmers. 1.5—For Workers. 1.20—Water Level. 1.25—Record. 1.30-2.0—Talk : Czechs in U.S.A.
 2.40—See Prague. 4.20—Records. 4.30—Talk : The Healthy Child. 4.55—Hungarian Transmission : Talk ; Hungarian Chamber Music. 5.40—Book Review. 5.50—See Prague. 6.5—See Brno. 6.55—Sports. 7.0—Mandoline Band.
 7.15—"U.59"—Play (Hrot). 7.55—Variety. Station Orchestra, Choir, and Soloists. Conductor : Dyk. 9.0—See Prague. 10.35—News ; Sports (Hungarian). 9.50-10.30—Dance Music from Brno.

BRESLAU (Germany)
 950 kc/s (315.8 m.) ; 100 kW.
 Relayed by Gleiwitz, 1,231 kc/s (243.7 m.).
 4.0 a.m.—Folk Music. 5.0—See Hamburg. 7.0—Motto. 7.10—Records. 7.50—Time ; News. 8.0—Service. 8.40—Reading. 9.0.—Hans Wesemann (Harmonium). 9.30—School Choir and Orchestra from Ohlau. Conductor : Satzky. 10.10—Reading. 10.30—"As Spitzweg saw them"—Sequence about Karl Spitzweg's Pictures (Irmtraud Hugin).
 11.0—Concert and Reports from Munich. 1.0 p.m.—News. 1.10 (from Gleiwitz)—For Women. 1.30—Call of Youth. 1.45—Greetings. 1.50—Variety. 2.30—"Princess Naseweiss"—Play for Children (Balzer). 3.0—Concert and Reports from Munich.
 5.0—See Deutschlandsender. 6.30—Sports Notes. 7.0—"Pioneers of the Arctic"—Sequence (Heydrich) ; Music by Voelkel. Station Orchestra. Conductor : Rischka.
 8.0—"Das Lebensbuch Gottes"—Oratorio (Haas). Station Choir and Orchestra. Conductor : The Composer. Charlotte Kraeker-Dietrich (Soprano) and Charlotte Müller (Contralto).
 9.0—News. 9.30-11.0—See Munich.

BRNO (Czechoslovakia)
 922 kc/s (325.4 m.) ; 32 kW.
 Transmits at intervals from 5.45 a.m.
 10.0 a.m.—Station Orchestra. Conductor : Chalabala. Fürst (Bassoon). 11.0—See Prague. 12.50 p.m.—For Farmers. 1.5-1.30—For German Farmers. 2.40—See Prague. 4.20—Talks.
 4.50—German Transmission : Talk ; Play (Lucia Ibertay). 5.50—See Prague. 6.5—Carnival—Folklore. 6.55—Band. 7.25—Talk : British-Boy Scouts.
 7.40—Stedron (Violin). Sonata in F (Vanhal). Concerto in A (Nardini). 8.5—Variety. 9.0—See Prague. 9.40-10.30—Dance Music.

BRUSSELS (No. 1) (Belgium)
 620 kc/s (483.9 m.) ; 15 kW.
 6.37-9.0 a.m.—Records ; News ; Gym. 9.0—Records : Schnabel (Pfte.). Sonatas in C sharp minor and E flat (Beethoven). 9.30—Evrard (Songs).

8.30 Swiss stations : "L'amante in trappola" (Pedrollo).

OPERETTAS
 2.30 Paris (PTT) : "La chanson du bonheur" (Lehár).
 7.0 Kalundborg : "The Maidens' Bower" (Schubert-Berté).

8.35 Turin : "La danza della fortuna" (Stolz).

CHAMBER MUSIC
 4.0 Vienna : Quartets.
 5.0 Berlin : Trios, songs.
 6.0 Brussels 2 : Trios.
 9.0 Stockholm : String quartets.

RECITALS
 3.45 Warsaw : Polish songs.
 7.0 Sottens : Old Italian music ; 7.50, Pfte. (Chopin).
 9.0 National : Frieda Hempel.
 9.20 Vienna : Telmányi (violin).

PLAYS
 8.30 Eiffel Tower : Tristan Bernard.
 8.45 Radio-Paris : Two plays.

LAST NEWS BULLETINS
 For Schedule see Monday.

DANCE MUSIC
 7.0 Cologne, etc. ; 9.0, Warsaw ; 9.10, Budapest 1 ; 9.30, Munich, etc. ; 10.0, Deutschlandsender ; 10.10, Brussels 1 ; 10.30, Kalundborg ; 10.45, Paris (PTT), Radio-Paris, Strasbourg ; 10.50, Hilversum (1,875 m.) ; 11.0, Vienna ; 12.0, Radio-Normandie.
MISCELLANEOUS
 2.30 Poste Parisien, Radio-Paris, France v. England (Rugby League).
 3.30 German and some European stations : Garmisch—closing scenes.

9.30—See Munich.
 11.0-12.0 m't—Stanke Band.

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

8.30 a.m.—Records : Organ. 8.50—Sixteenth Century Sacred Songs. Berne Male Voice Choir. Conductor : Tanner.
 9.0—Catholic Address. 9.45—Sixteenth Century Songs by the Berne Male Voice Choir. Conductor : Tanner. 10.0—Läderach reads. 10.30—Berne Radio Pfte. Trio. 11.0—Records : Operetta Music. 11.30—News. 11.40—Zürich Radio Orchestra. Conductor : Bernhard. 12.30-1.30 p.m.—Programme from Berne.
 12.30—Folk Songs by the "Frohsinn" Male Voice Choir. 12.50—Hunting Anecdotes. 1.30—Commentary by

10.0—André Felleman's Orchestra from the Scala Theatre, Antwerp. 11.0—Records. 11.55—Weather.
 12.0 noon—Light Music—Bouquet Tricolore Marche (Faulx). Overture, "Paradis de Mahomet" (Planquette). Selection, "The Gipsy Baron" (Strauss).
 12.20—André Mardaga (Recitations).
 12.30—Light Music (contd.). Marcelle Vernay (Soprano). Italian Waltz (Desormes). Songs: (a) Melody from "Suzanne" (Paladilhe), (b) Waltz, Parla (Arditi). Old China (Niemann).
 1.0—News. 1.10—Druart (Organ).
 2.0—Records. 2.30—Romantic Songs—Talk by Georges Rency. Illustrations by George Villier.
 3.0—Concert from Liège Conservatoire. Conductor: Rasse. Cassado (Cello). Seventh Symphony in A (Beethoven). 'Cello Concerto (Schumann). Symphony in G minor (Mozart). Concerto (Weber, arr. Cassado). In the interval, Record: Sonata No. 1 in E flat (Haydn) by Horowitz. 5.0—Dance Music—Mickey's Club Orchestra. Conductor: Hallet. In the interval at 5.30: Football Results. 6.0—Record: Ballet, "Hamlet" (Thomas). 6.15—Brenders Dance Band. 7.0—Religious Address. 7.15—Records: Petite Suite de Concert (Coleridge-Taylor). 7.30—Music Review. 8.0—Radio Variety presented by Paul Gason. 9.0—Cabaret. 9.30—Radio Variety (contd.). 10.0—News. 10.10—Brender's Dance Band. 11.0-12.0 m't—Records.

BRUSSELS (No. 2) (Belgium)
 932 kc/s (321.9 m.); 15 kW.
 Programme in Flemish.
 6.37-9.0 a.m.—Records: News; Gym.
 9.0—Old Flemish Songs by Francine Bruylants.

9.30—Records. 10.30—Jazz on Two Pftes. 11.0—Felleman Orchestra from the Scala Theatre, Antwerp. 11.57—Weather. 12.0 noon—Records. In the interval at 12.30 p.m.: Weather. 1.0—News. 1.10—Light Music. 2.0—Records.
 3.0—"Le Pays de Waes"—Play (Servotte).
 4.0—Radio Orchestra. Conductor: Gason. Summer Days (Coates). Manhattan Moonlight (Alter). Scène de bal (Meyseder). Zambra Granadina (Albéniz). Allegro perpetuo (Savino). Waltz, Les Bérêts (Luigini). Selection, "Véronique" (Messenger). Study in Blue (Savino).
 5.0—Brenders Dance Band. In the interval at 5.30: Sports.
 6.0—Chamber Music by the Antwerp Trio. Trio in E (Mozart). Trio in D minor (Schumann).
 6.45—Religious Address.
 7.0—Jeanne Jacquemart (Pfte.). Impromptu No. 2 in F minor (Fauré). Triana (Albéniz). Après-midi de dimanche (Dupont). Liebestraum (Liszt). Scherzo in B flat No. 2 (Chopin).
 7.30—Music Review by Gilson.
 8.0—"Salome"—Opera (Strauss) from the Royal Flemish Opera, Antwerp. In the intervals: Recitations, News. After the Opera, Records.

BUCHAREST (Romania)
 823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania (Brasov), 160 kc/s (1,875 m.).
 9.30 a.m.—Chimes; Address. 9.50—Sacred Music (Records). 9.55—Religious Address. 10.10—Church Choir. 10.40—Time; News. 10.45—Dinico Orchestra. 11.15—Sports; Amusements. 11.30—Dinico Orchestra. 12.15 p.m.—News. 12.30—Dinico Orchestra.

3.0—For Peasants. 3.15—Bulzan (Clarinet) and Stan (Accordion). 3.30—For Peasants. 4.0—Ionesco-Gaina Orchestra. 5.0—Talk. 5.15—Dance Music. 6.0—News. 6.15—Dance Music. 7.0—Dramatic Programme. 8.0—Viennese Music—Radio Orchestra. In the interval at 8.30: News; Sports. 9.55—News.

BUDAPEST (No. 1) (Hungary)
 546 kc/s (549.5 m.); 120 kW.
 8.30 a.m.—News. 9.0—Protestant Service. 10.0—Mass. 11.30—Opera Orchestra. Conductor: Rajter. 12.45 p.m.—Foreign Affairs. 1.0—Records. 2.0—For Farmers. 2.50—Pertis Cigány Band. 3.30—Robert Ballenegger. 4.0—Liszt Concert from the Zichy Palace. 5.20—Robert Kertész.
 5.50—Radio Salon Orchestra. Marche héroïque (Saint-Saëns). Overture, "I promessi sposi" (Ponchielli). Hymn to the Sun (Rimsky-Korsakov). Balaton (Hubay). Träumerei (Schumann). Am Springbrunnen (Davidov). Wiegenlied (Schumann). Mazurka (Popy). Second Movement, Ruralia Hungarica (Dohnányi). Waltz in E (Moszkowski).
 6.55—Sports. 7.10—Operetta Music. Anna Gyenge, Anne Roselle, Endre Rösler and the Budapest Concert Orchestra. Conductor: Marthon.
 8.40—News. 9.10—Vajda-Pártos Jazz Band from the Hotel Erőbet királyné. 10.0—Lakatos Cigány Band. 11.5—News.

BUDAPEST (No. 2) (Hungary)
 359.5 kc/s (834.5 m.); 20 kW.
 11.35 a.m.—Kola Dance Band. 2.0 p.m.—Police Band. Conductor: Szöllossy. 3.35—Pertis Cigány Band. 4.5—Talk. 4.35—Records. 6.0—Talk. 7.30—News; Sports.

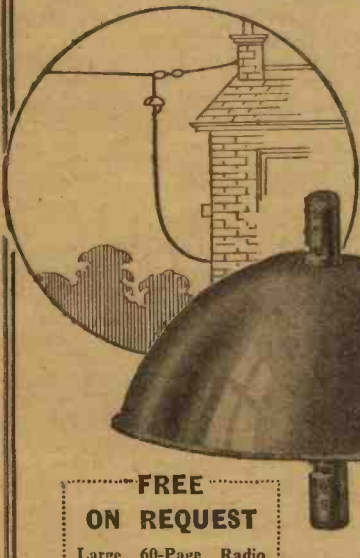
SUNDAY (February 16)

COLOGNE (Germany)
 658 kc/s (455.9 m.); 100 kW.
 5.0 a.m.—See Hamburg. 7.0—Time; Weather; Water Level. 7.5—Surprise Programme.
 8.15—Male Voice Choir, from the Festhalle, Viersen. Conductor: Holz. Die Nacht (Schubert). Im Abendrot (Schubert). Der träumende See (Schumann). Ritornell (Schumann). Geistesfluten (Heinrichs). Landsknechtslied. Kamerad komm (Klughardt). Spinn Mädchen spinn. Der Jäger aus Kurpfalz.
 8.55—Classical Music by Hans Haass (Pfte.). 9.30—Jentsch Chamber Music for Wind Instruments; Grigol Robakidse reads. 10.45—Talk: Vocations. 11.0—See Berlin. In the interval at 12.0 noon: Announcements; Greetings.
 1.0-5.0 p.m.—See Munich.
 5.0—Relay of the Münster Carnival Committee Meeting from the Town Hall. 6.45—Sports Report.
 7.0—Dance Music. Station Chamber Orchestra. Conductor: Hagedstedt.
 8.0—See Breslau. 9.0—Time; News. 9.30-11.0—See Munich.

DEUTSCHLANDSENDER (Germany)
 191 kc/s (1,571 m.); 60 kW.
 5.0 a.m.—See Hamburg. 7.0—For Farmers. 8.0—Rambour Band. 9.0—Hitler Youth Programme. 9.30—Lanner and Strauss Music (on Records). 10.0-5.0 p.m.—See Munich. 5.0—Melody and Rhythm—Station Orchestra, Conductor: Dobrindt, and the Pieck Dance Band. 6.30—The "Schule und Luftfahrt" Exhibition—Songs and Reports.

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RADIO'S GREATEST ASSET

SUNDAY (February 16)

7.0—"The Music Express"—Variety. Station Orchestra and Dance Band. Conductors: Melichar and Kirchstein. Station Choir and Carla Spletter, Fred Drissen and Walther Ludwig (Songs). 9.0—News. 9.30—Max Saal (Harp) and Herbert Jäger (Neo-Bechstein). 9.45—Weather. 10.0—Hippmann Dance Band from the Café am Zoo. 11.0-11.55—Adalbert Lutter Band from the Wilhelmshalle.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Relayed by Cassel, Coblenz, Freiburg, Kaiserslautern and Trier, 1,195 kc/s (251 m.). 5.0 a.m.—See Hamburg, 7.0—Time. News. 7.5—Gym. 7.45—Schucht (Organ). 8.0—Roman Catholic Service. 8.45—Topical Programme. 9.0—See Deutschlandsender. 9.30—Choir. Conductor: Sack. 10.0-5.0 p.m.—See Munich. 5.0—Carnival Records. 5.11—Relay of the Carnival Meeting from Mainz. In the interval at 6.45—Sports Report. 9.0—Time; News. 9.25—Sunday Sports. 9.45—Dance Music from Munich. 11.0-1.0 a.m. (Monday)—See Stuttgart.

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW. Relayed by Bremen, Flensburg, Hanover, Magdeburg and Stettin, 1,330 kc/s (225.6 m.). 5.0 a.m.—Harbour Concert. 7.0—News. 7.20—Gym. 7.45—Art Notes. 8.0—Orchestra from Kiel. 9.0—See Deutschlandsender. 9.30-10.0—Meditation. 10.15—"Friedrich Spielhagen"—Scene (Weisbach). 10.30—Concert from the "Deutsches Haus," Flensburg. Flensburg Chamber Choir. Conductor: Röder. Hedda Klimek (Pfte.). Ein Musikant wollt' fröhlich sein (Zelter). Gut Singender ein Organist (Lochner). Frisch, fröhlich, frei ein jeder sei (Rauch). Pfte.: (a) Fugue (Scarlatti), (b) Toccata (Paradies). Musica, die ganz lieblich Kunst (Jeep). Kommt, ihr Gespielen (Franck). Fröhlich fängt alle an, mit mir zu singen (Jeep). Pfte.: Pastorale and Capriccio (Scarlatti). Was trag ich auf der Hände (Vogelhuber). Frisch auf, wir wollen fröhlich sein (Dedekind). Frühlingliedchen (Albert). 11.0—Military Band from the Landestheater, Brunswick. 12.0 noon—Time; Weather. 12.10 p.m.—Concert from Berlin. 1.0-5.0—Light Music and Olympic Games Reports from Munich. 5.0—See Leipzig. 6.0—Heinemann Dance Band. 6.40—Sports. 7.0—See Deutschlandsender. 9.0—News. 9.30-11.0—See Munich.

HILVERSUM (1,875 m.) (Holland)

160 kc/s; 10 kW until 2.40 p.m., 100 kW from 2.40 p.m. 8.35-9.40 a.m.—V.A.R.A. Programme. 8.35—Jong (Organ). 8.40—News; Talk. 9.10—Organ (contd.). 9.25—Talk. 9.40-11.40—V.P.R.O. Programme. 9.40—For Children. 10.10—Service. 11.25—Nieland (Organ). 11.40-3.55 p.m.—A.V.R.O. Programme. 11.40—Talk: The Cinema. 12.10—Lajos Orchestra. 12.40—Relay from the Dutch Indies—Report from the Botanical Gardens, Buitenzorg. 1.10—A.V.R.O. Orchestra. Conductor: Treep. 1.40—Books. 2.10—Beethoven—A.V.R.O. Orchestra. Conductor: Treep. Roodenburg (Violin). 3.5—van Renesse (Pfte.).

3.55—V.P.R.O. Talk. 4.5—Sports; Records. 4.40-7.40—V.A.R.A. Programme. 4.40—Records. 5.25—Talk. 5.40—Wischnewsky (Tenor). 5.50—News. 6.0—Tenor (contd.). 6.10—Dramatic Programme. 6.40—Records. 7.40 till Close—A.V.R.O. Programme. 7.40—Time; News. 7.55—French Music—A.V.R.O. Orchestra. Conductor: Treep. Vina Boy (Soprano). 8.40—News. 8.55—Palla (Organ). 9.15—Concertgebouw Orchestra from the Concertgebouw, Amsterdam. Conductor: van Beinum. Hélène Cals (Soprano). 10.5—Play. 10.25—Records. 10.40—News. 10.50-11.40—Dance Music—A.V.R.O. Decibels. Conductor: Meenk.

HILVERSUM (301.5 m.) (Holland)

995 kc/s; 15 kW until 2.40 p.m. and 60 kW from 2.40 p.m.



The Danish Life Guards Band plays at 2.25 p.m. (Kalundborg)

8.10 a.m.—K.R.O. Religious Programme. 9.10-11.55—N.C.R.V. Programme. 9.10—Women's Choir, J. Bierma (Soprano), Kloppeburg (Organ). 10.10—Service; Sacred Music. 11.55-4.40 p.m.—K.R.O. Programme. 11.55—Records. 12.30—Male Voice Choir, K.R.O. Symphony Orchestra, and Talks. 1.30—K.R.O. Orchestra. Conductor: v. 't Woud. 1.45—K.R.O. Colonial Programme. 2.45—"The Dutch Colonies and Holland"—Chimes; Talk; Records. 3.0—K.R.O. Orchestra. Conductor: v. 't Woud. 3.40—Records. 4.10—For Invalids. 4.40-7.25—N.C.R.V. Programme. 4.40—Records; Sacred Music. 5.0—Service; Records. 7.25 till Close—K.R.O. Programme. 7.25—News; Talk. 8.0—K.R.O. Orchestra. Conductor: v. 't Woud. Corradina Mola (Pfte.). 8.20—Talk. 8.35—K.R.O. Symphony Orchestra. Conductor: v. Otterloo. 9.20—Records. 9.30—K.R.O. Melodists. Conductor: Lustenhouwer. 10.10—News; Records. 10.20-10.40—Epilogue. Conductor: Pickkers.

KALUNDBORG (Denmark)

238 kc/s (1,261 m.); 60 kW. Relayed by Copenhagen, 1,176 kc/s (255.1 m.). 7.0 a.m.—Gym. 8.15-8.45—Talk: Workers' Education in England. 9.0—Church Service. 10.40—News. 11.0—Hansen's Instrumental Ensemble. March (Lassletzberger). Selection, "The Czarevitch" (Lehár). La lettre de Manon (Gillet). Dance, "Butterflies" (Andersen). Ya-ma-To (Gabelles). Selection, "Bitter Sweet" (Coward). Spanish Serenade (Bizet).

Waltz (Will). The Star-spangled Banner (Sousa).

12.0 noon—English Reading: The Pickwick Papers (Dickens). 12.20 p.m.—German Talk. 12.40—French Talk. 1.0—Records. 1.15—Talk on the 7.0 p.m. Transmission. 1.30—"A Ballet Rehearsal"—Report. 1.55—For Children. 2.25—Sixteenth People's Concert from the State Broadcasting Building—The Royal Life Guards Band. Conductor: Dyring. Niels Hansen (Songs). March, King Christian IX (Lumbye). Overture, "A Life for the Czar" (Glinka). Waltz, The Danish Guards (Bruun). Wedding Day on Troldhaugen (Grieg). Mazurka, "Coppélia" (Delibes). Marche lorraine (Ganne). Songs: (a) Holger Danskes Aand (Rung), (b) Dengang jeg var kun saa stor som saa (Heise), (c) Fager er den blide Vaar (Heise),

Banaitis, Eimaontas, Tallat-Kelpša, Karosas, Bendorius). Songs (Kačanauskas, Simkus, Gauba, Dambrauskas, Tallat-Kelpša). Symphonic Suite (Gruodis). Cantata (Karnavičius). 8.30—Report in French, German, Russian and Polish. 8.50-9.30—Dance Music.

KÖNIGSBERG (Heilsberg) (Germany)

1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.). 5.0-10.30 a.m.—Programme from Elbing. 5.0—For Boys. 5.15-7.0—Concert and Reports. 7.50—Talk: St. Mary's Church. 8.0-8.30—Military Service from St. Mary's Church. 9.0—Hitler Youth Programme. 9.30—Elbing Municipal Theatre Productions—Theatre Orchestra and Soloists. Conductor: Geron Gersdorff. A Conversation with the Theatre Manager, Herr Kirchner. 10.30—Weather; Programme Announcements. 10.40—Reading. 11.0-1.0 p.m.—Programme from Elbing. 11.0—Military Band Concert from the Friedrich-Wilhelm-Platz. Conductor: Koruhn. 12.0 noon—Reports: Elbing. 1.0—Chess Lesson. 1.30—Hübsch Instrumental Quintet. 1.45—Photography Talk. 2.0-3.0—Programme from Elbing. 2.0—Songs (Vollerthun) by Maria Drews (Contralto), Willi Horsten (Baritone), Elbing Choir and Königsberg Station Choir. 2.30—"Napoleon's Circle"—Play (Olinski). 3.0—Italian Violin Music. Richard Heber (Violin) and Ernst Rudolph (Pfte.). Sonata, Il trillo del diavolo (Tartini). La campanella (Paganini). Two Caprices (Paganini). 3.30—See Munich.

5.0-8.0—Programme from Elbing. 5.0—Light Music by the Municipal Theatre Orchestra. 6.0—Literary and Musical Programme. 7.0—Variety. 8.0 (from Danzig)—Soldier Songs and Marches. Police Band and Soldier's Chorus. Conductor: Stieberitz. 9.0—News. 9.20—Sports Report. 9.35-11.0—Dance Music from Munich.

LAHTI (Finland)

166 kc/s (1,807 m.); 150 kW. Relayed by Helsinki, 895 kc/s (335.2 m.). Transmits at intervals from 6.55 a.m. 6.0 p.m.—Talk. 6.10—Garmisch Olympic Games Report. 6.20—Hanna Granfelt (Songs). 6.40—Recitations. 7.0—Station Orchestra. Conductor: Linko. 7.45—News (Finnish, Swedish). 8.10—Sports Notes. 8.20—Garmisch Olympic Games Report. 8.30-10.0—Records.

LEIPZIG (Germany)

785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.). 5.0-7.0 a.m.—See Hamburg. 7.30—Högner (Organ). 8.0—Literary and Musical Programme. 9.0—See Deutschlandsender. 9.30—Station Choir. Conductor: Kretzschmar. 10.0-5.0 p.m.—See Munich. 5.0—"From the Source of the Elbe to Wittenberg"—Picture Sequence (Kaergel), with Music. 6.0—Pfte. Trio (von Pászthory) by Von Pászthory (Pfte.), Schachtebeck (Violin) and Rebban ('Cello). 6.35—Carnival Sequence (Drescher). Music by Beilschmidt. 7.0—Leipzig Symphony Orchestra. Conductor: Blumer. Overture, "Donna Diana" (Reznicek). Selection, "Andrea Chénier" (Giordano). Waltz, Rheinisches Leben (Engelke). Excerpts from the Suite, The Sleeping Beauty (Tchaikovsky). Overture, "Hansel and Gretel" (Humperdinck). Concert Waltz (Schmidt). 8.0—See Breslau. 9.0—News. 9.30-11.0—See Munich.

LILLE (Radio PTT Nord) (France)

1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.50 a.m. 10.15 a.m.—Talk by Reynaldo Hahn:

(d) Jeg ved (Agerby), (e) Flaget (Rygaard). Coronation March (Meyerbeer). Finales, Act II, "Aida" (Verdi). Czardas, "Der Geist des Wojewoden" (Grossmann). 4.0—Service from Christianborg Castle Church. 5.20—Talk with Balalaika and Domra Illustrations: Russian Folk Melodies. 6.0—News. 6.30—Talk: The France of Louis XIV as portrayed by Molière. 7.0—"The Maidens' Bower"—Operetta (Schubert-Berté) from the Royal Theatre. Conductor: Hye-Knudsen. In the interval at 9.35 (approx.): News. 10.30 (approx.)-11.30—Petersen Dance Band. At 11.0—Time; Chimes.

KAUNAS (Lithuania)

155 kc/s (1,935 m.) 7 kW. Lithuanian Independence Day. 6.45 a.m.—Prayer; Gym. 7.0-7.30—News; Records. 8.15—Lutheran Service. 9.15—Cathedral Service. 11.0 (approx.)—To be Announced. 12.0 noon—Independence Day Festival relayed from a Factory; Latvian Workers' Choir. 3.0 p.m.—For Children. 3.30—Relay of the March Past the Unknown Warrior's Tomb. 4.0—Talk: February 16th. 4.20—Concert. 5.0—Dramatic Programme. 5.30—Time; Announcements. 5.45—Military Programme. 6.15—Programme from Klaipėda. 6.30—Records. 6.55—Announcements. 7.0—Festival Concert. National Opera Orchestra, Choir, and Soloists; Radio Orchestra and Choir—Conductor: Tallat-Kelpša. Festival March. Address (in French) by the President of the Republic. National Anthem. Symphony, Autumn (Naujalis). Lithuanian Songs for Choir (Gruodis).

Orchestral Instruments. 10.30—February Novelties. 11.30—Operetta Music. 11.45—Concert from Paris (PTT). 12.0 noon—Station Orchestra. Conductor: Soret. François Capoulade (Violin) and Bertal (Variety Items). 1.0 p.m.—News. 1.30-6.30—See Paris (PTT). 6.30—Topical. 7.0—Records: Marches. 8.0—Time; Records. 8.15—Sports. 8.30—Station Orchestra. Conductor: Soret. Lucienne Thomas (Soprano) and Painta (Bass). Suite, "Esclarmonde" (Massenet). Italian Caprice (Tchaikovsky). Rêve bleu (Salomez). Soprano Songs. Invitation to the Waltz (Weber). Cantabile (Franck). Allegro con brio (Beethoven). Songe d'extase (Chuckerbutty). Kermesse (Paul Pierné). Bass Songs. Le Colibri (Chausson). Selection, "Le Voyage en Chine" (Bazin). Musardise (De Taeye). Scherzo (de Bourguignon). Selection, "La Mascotte" (Audran). Moment musical (Schubert). Allegro feroce (Scassola). Retour à la France (Mezzacapo). 10.30—News.

MADRID (EAJ7) (Spain)

1,095 kc/s (274 m.); 10 kW. 8.0 a.m.—Chimes; News. 8.20-8.40—News. 9.0-9.15—Chimes; News; Weather; Programme Announcements. 1.0 p.m.—Chimes; Light Music; Religious Address. 1.30—Ibarra Orchestra from the Palace Hotel. 2.0—Light Music. 2.30—Orchestra (contd.). 3.30-4.0—Light Music. 5.0—Light Music. 6.0—Art Review; Light Music (contd.). 7.0—Dance Music from the Ritz Hotel. 9.0—Station Sextet. In the interval: Ramón Gómez de la Serna. 10.0—Chimes; Musical Comedy Music by the Station Orchestra and Soloists. Conductor: Cantos. 11.30—Dance Music. 12.0 m't—Chimes.

MONTE CENERI (Switzerland)

1,167 kc/s (257.1 m.); 15 kW. 10.0 a.m.—Announcements; Bible Reading. 10.30—Marches and Dances by the Radio Orchestra. 10.45—Talk: Statistics. 11.0—Records: Swiss, Italian, French and German Folk Songs. 11.29—News. 11.40—Radio Orchestra. Overture, "Albin" (Flotow). Waltz, An der schönen, grünen Narenta (Komzak). Selection, "Les Dragons de Villars" (Maillart). La Serenata (Tosti). Barcarolle, Une Nuit à Lisbonne (Saint-Saëns). Selection, "The Count of Luxembourg" (Lehár). 12.25 p.m.—Talk. 12.30—Zithers. 1.0—Verdi Opera Choruses by the Verdi Choir. Conductor: Filipello. Choruses, "Oberto Conte di San Bonifacio," "Nebuchadnezar," "Macbeth," "I Lombardi" and "La Traviata." 1.30-3.30—Garmisch Olympic Reports. 4.0—Sports. 4.5—Radio Orchestra. Conductor: Casella. Mariadele Bertoni (Pfte.). Overture, "Lodoiska" (Cherubini). Suite No. 1, "Peer Gynt" (Grieg). Pfte. and Orchestra: Hungarian Fantasia (Liszt). Italian Caprice (Tchaikovsky). 4.55—Sports. 5.0—For Boys. 5.15—The Milan Trio. Trio Sonata (Vivaldi). Trio in C (Martucci). 6.0—Reports: (a) The Olympic Winter Sports, (b) Football Notes. 6.45—News. 7.0—Song and Dance Records. 7.45—Talk: The Courbet Exhibition in Zürich. 8.0—Tillio Daneri and Louis Gay de Combes (Violins). Duet (Pleyel). Duet (Mazas-Corti). Duet (De Bériot). 8.30—"L'amante in trappola"—One-Act Comic Opera (Pedrollo). 9.15—Sports. 9.25-10.0—Olympic Winter Sports.

MOSCOW (No. 1) (Russia)
174 kc/s (1,724 m.); 500 kW. Transmits at intervals from 2.40 a.m. 5.45 p.m.—Concert Version, "And Quiet flows the Don"—Opera (Dzerjinski). 7.0—Symphony Concert. Conductor: Orlov. Strelzov (Tenor). 8.0—German Programme: "The Wreck of the Tcheluskin." 9.5—U.S.S.R. Review (English); Questions and Answers (English). 10.0—Contemporary Poetry and Prose (in German).

MUNICH (Germany)

740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.). 5.0-7.0 a.m.—See Hamburg. 7.55—Literary and Musical Programme. 8.30—Pfte. Concerto in C (Weber) on Records. 9.0—See Deutschlandsender. 9.30—Baier Double Quartet. Hechtl-Marsch (Schrammel). Gavotte, Frühlingsglocken (Schweppe). Intermezzo, Rendezvous (Aletter). Schatz-Walzer (Strauss). Intermezzo, In the Shadows (Finck). March, Heurigenbrüder (Fučík). 10.0-3.30 p.m.—Light Music. Station Orchestra. Conductors: List and Kloss. Detzer Wind Band. Station Schrammel Ensemble. Patzak (Tenor). Weber (Bass). In the intervals: Ski-jumping Report, at 1.0 p.m.—Commentary on the Ski-jumping Contests, and at 1.30—Report of the Olympic Ice Hockey Match Finals from Garmisch-Partenkirchen. 3.30—Relay of the Closing Ceremonies of the Winter Olympic Games from Garmisch-Partenkirchen. 6.30—See Deutschlandsender.

Violin (Bach). Introduction and Rondo capriccioso (Saint-Saëns). Viennese Song (Kreisler). Spanish Dance No. 8 (Sarasate). 7.0—Handicrafts. 7.30—Danish Music. Station Orchestra. Conductor: Kramm. Biehe (Songs). 8.40—Weather. 8.45—News. 9.0—Topical Talk. 9.15—Sports Notes. 9.30—News. 9.35-10.0—Wind Band.

PARIS (Eiffel Tower) (France)

1,456 kc/s (206 m.); 20 kW. 8.0 a.m.—See Paris (PTT). 1.30—Relay from the Opéra-Comique. 6.45—News. 7.0—Programme for the Lithuanian National Festival from Kaunas. 7.30—Racing. 7.40—Topical. 8.15—News. 8.30—Plays (Bernard) by Actors of the Comédie-Française: (a) "Le Prince Charmant," (b) "Les plaisirs du dimanche."

PARIS (Poste Parisien) (France)

959 kc/s (312.8 m.); 60 kW. 7.50 a.m.—Overture. 7.52—Records. 8.2—Press Review. 8.33—Records. 8.48—Operetta Records. 8.58—For Women. 9.0—Press Review. 9.23—Records. 9.30—Records: Military Music. 9.45—Jazz Records. 10.5—Records: "Greetings." 10.20—Records: Sketches. 10.35—Records (Novacek, Strauss, and Chopin). 10.50—"The Magic of the Streets"—Programme by Paul Reboux. 11.33—Records: Spanish Music. 11.48—Song Records. 12.5 p.m.—For Children. 12.15—Programme by Jean Marsac. 12.45—An Interview. 12.50—Programme by Gilbert Légrand, Willy Maury, and Tom Waltham. 1.5—Programme by Raymond Souplex. 1.30—Records. 1.45—Medrano Circus. 2.0-2.15—Records.

SUNDAY (February 16)

2.30—"Song of Happiness"—Operetta (Lehár) from the Gaité-Lyrique. In the interval at 4.20: Broos (Viola). 5.30—Television. 6.30—Topical. 7.40—For Gardeners. 7.45—Lyne Clevers and Pierre Mingand Programme. 8.15—Sports. 8.30—Song Programmè (arr. Delaunay). Orchestra and Soloists. Conductor: Chobillon. 10.30—News. 10.45—Bailly Dance Band.

PARIS (Radio-Paris) (France)

182 kc/s (1,648 m.); 80 kW. 7.0 a.m.—Records. 7.15—News. 7.45—Gym. 8.0—Song Records. 9.0—Italian Lesson. 9.20—English Lessons. 10.0—Book-keeping Lessons. 10.40—Spanish Lesson. 11.0—Poulet Concert Orchestra. Conductor: Labis. Nocturne (Février). Scènes poétiques (Godard). Sogno (d'Ambrosio). Suite africaine (Lacôme). Colombine (Infante). Excerpts, "Hiawatha" (Coleridge-Taylor). 12.0 noon—Mlle. Zilgiena (Organ). Excerpt from a Cantata (Bach). Fantasia in D flat (Saint-Saëns). Prelude and Fugue in B (Dupré). 12.30 p.m.—Religious Address by the Rev. Fr. de la Croix-Laval. 12.50—News. 1.0—Poulet Concert Orchestra. Conductor: André. Maryse Tenneval (Songs). Gitaneries (Razigade). Gold and Silver (Lehár). Songs: (a) Berceuse nègre (Grovlez), (b) Elle vient (Brun), (c) Vieille Chanson (Bizet), (d) Refleurissez (Teneveau). Selection, "Rienzi" (Wagner). Suite in F (Lazzari). Marche nuptiale d'une poupée (Lecocq). 2.0—Sketch by Bilboquet. 2.15—Cib-Lette Duo. 2.30—Commentary on the Rugby League Match France v. England, from the Buffalo Stadium. 4.45—Yvonne Leduc (Songs). Je danserai dans mon jardin (Villard). Les petits lapins (Marsac). Le vieux manège (Simonot). Les réceptions mondaines (Noël-Noël). 5.0—Bach and Wagner—Pasedeloup Concert from the Opéra-Comique. Conductor: Wolff. Levêque (Pfte.). Part I: Bach. Suite in B minor. Pfte. Concerto in E. Brandenburg Concerto No. 2. Prelude and Fugue in D for Pfte. Part II: Wagner. Excerpts, "The Mastersingers." Prelude, "Tannhäuser." Good Friday Magic, "Parsifal." Forest Murmurs, "Siegfried." The Ride of the Valkyries. 7.0—Jean Sorbier and Marie Simon (Songs). Das Leben ein Traum (Haydn). Que l'heure est donc brève (Massenet). Rêve (Tosti). J'ai rêvé de t'aimer (Goublier). Schmetterlingslied (Spohr). Song (Mendelssohn). Absence (Gounod). Bacchantes (Gounod). 7.30—Radio-Paris Circus, with Bilboquet. 8.0—Historical Dialogues (Davenay). 8.30—Press Review. 8.45—Plays (Coolus): (a) Coeurblette, (b) Rue Spontini. 10.45—Time. Dance Music—Pascal Orchestra. 11.15 (approx.)-12.15 a.m. (Monday)—Light Music—Pascal Orchestra. **PRAGUE (Czechoslovakia)**
638 kc/s (470.2 m.); 120 kW. 5.45 a.m.—Gym; Music; News. 6.30—Karlsbad Municipal Orchestra. 7.20—Police Notes. 7.30—Sacred Songs (Wolf, arr. Reger). 7.55—Talk. 8.10—Frait (Violin). 8.30—For Workers. 8.50—Quartet. 9.25—Heine—Talk and Reading. 9.55—New Books. 10.0—Sec Brno. 11.0—Cathedral Chimes. 11.5—Talk. 11.10—News. 11.20—Military Band. Conductor: Pešta. Part I. Music for Strings.

The Elbe at
Dresden
(Leipzig, etc.,
5 p.m.)



Rigoletto Paraphrase (Liszt) by Richard Staab (Pfte). 6.40—Report: Homing-Pigeon Race over Munich (on Records). 7.0—See Deutschlandsender. 9.0—Time; News. 9.30-11.0—Dance Music. Station Dance Band. Conductor: Aulich. Zither Band. Conductor: Pieringer.

OSLO (Norway)

260 kc/s (1,153.8 m.); 60 kW. Relayed by Fredrikstad, 776 kc/s (386.6 m.); Hamar, 519 kc/s (578 m.); Notodden, 1,357 kc/s (221.1 m.); Porsgrund, 850 kc/s (352.9 m.); Rjukan, 1,348 kc/s (222.6 m.); and Trøndelag, 629 kc/s (476.9 m.). 8.0 a.m.—News. 8.5—French Lesson. 8.35—English Lesson. 9.5—Records: Beethoven, Schubert, Schumann. 11.45—News. 12.0 noon—Olympic Winter Games Report. 2.45 p.m.—Olympic Winter Sports Report. 3.10—Norwegian Folk Music. 3.40—Talk: Terminology. 4.0—Records. 4.55—Service. 6.10—News. 6.15—Weather: News. 6.30—Time. 6.31—Helga Lökke (Violin). Adagio and Presto from Sonata No. 1 for

2.30 (approx.)—Commentary on the Rugby League Match France v. England, Buffalo Stadium. 4.30—Records. 7.0—News. 7.10—Sports Report. 7.20—Amusement Guide. 7.24—Records: Opera Arias. 7.35—Records. 7.50—Record: Adagio from the Concerto in G (Mozart). 8.15—Three One-Act Comedies: (a) "C'est bien pour te faire plaisir" (Marc Gabriel Richard), (b) "Alliance" (Andrée Mery), (c) "Comédiens ambulants" (Octave Bernard). 10.30-12.0 m't—Records. **PARIS (PTT) (France)**
695 kc/s (431.7 m.); 120 kW. 6.50 a.m.—Weather. 7.0—News. 7.40—Illustrated Press Review. 8.0—News. 8.40—Sports. 9.0—News. 9.45—For Children. 10.15—Locatelli Orchestra. Kriff (Songs). 12.0 noon—Mme. Bertilia (Songs). A Dream (Grieg). Message (Godard). Pastourelle (Martini). Song (Schubert). Réverie (Saint-Saëns). 12.15 p.m.—Derveaux Jazz Band. 1.0—News. 1.30—Jazz Band (contd.). 2.0—"La bonne école"—One-Act Play (Montignac).

SUNDAY (February 16)

Polonaise in E flat (Dvořák). Selection, "Lazy John" (Nedbal). Ballet, "The Two Widows" (Smetana). Turkish Patrol (Michaelis). March (Fucik). Part II. Brass Band Music. 12.20 p.m.—For Country People. 1.5—For Farmers. 1.15-1.30—For Farmers in German.

2.40—From Mozart to the Present Day—Concert. FOK Orchestra. Conductor: Klima. Station Choir. Conductor: Kühn. Zdenka Spačková (Soprano), Maxian (Pfte.). Overture, "Figaro" (Mozart). Two Songs (Mozart). Pfte.: Elégie harmonique (Dusik). Aria: Ah perfido (Beethoven). Aria, "The Brandenburgers in Bohemia" (Smetana). Excerpt, "The Jacobin" (Dvořák). Excerpt, My May (Novák). Four Slav Dances (Karel). Gavotte (Jirák). Minuet (Suk). Waltz (Kricka). Records: Dance Compositions (Jezek). In the interval: Talk. 4.20-4.50—See Brno. 4.50—German Talk: Heinrich Heine and Jaroslav Vrchlicky. 5.50—News (German). 5.55—Record. 6.0—News. 6.5—See Brno. 6.55—Talk on the following transmission.

7.0—See Kaunas. 7.40—Talk: Jaroslav Vrchlicky. 7.55—See Bratislava. 9.0—Time; News. 9.20—Report: Olympic Winter Sports. 9.35—Record. 9.40—News (German). 9.45—Record. 9.50-10.30—Dance Music from Brno.

RADIO-NORMANDIE (France)
1,113 kc/s (269.5 m.); 15 kW.
7.0 a.m.—Records. 7.20—News. 7.48—Racing. 7.53—For Housewives. 8.0—Records. 8.15—Time; Records.

8.30—Sacred Music. 8.45—Musical Comedies. 9.0—Time; Songs. 9.15—Light Music. 10.0—Records. 10.15—Light Music. 10.45—Records. 11.0—Time; Light Music. 11.30—Symphony Orchestra. 12.0 noon—Songs. 12.30 p.m.—Roman Catholic Service. 12.45—News.

1.0—Concert. The Student passes by (Ibañez). Toi, toi, toi (Marafioti). Un homme doit savoir tout faire (Hély-Camus). Lehár Potpourri, Petite brunette aux yeux doux (Delmet). Tu me dis non (Rosen). Tout doucement (Chenal). Celosa (Daniderff). Dans ton coeur (Ursmar). Excerpt, "Mignon" (Thomas). Souvenir de Rouen (Blondiau). O Tanagra (Halet).

2.0—Musical Melodrama. 2.30—Light Music. 3.30—Songs. 3.45—Light Music. 4.0—Tea-Time Hour. 4.45—Children's Corner. 5.0—Time; Light Music. 5.15—Adventures of a Reporter. 5.30—Records. 5.45—Dance Music. 6.0—Light Music. 6.15—Records. 6.30—Songs.

7.0—Concert. Mon coeur est resté près du tien (Delannay). Duet, "Manon" (Massenet). Serenade (Gounod). A la douane (Simons). Aria, "Werther" (Massenet). Waltz Potpourri. Souvenirs des Vosges (Blondiau). Maintenant et toujours (Desmoulins). Excerpt, "Caravane" (Heymann). Un peu de bonheur (Wal-Berg). Obsession (Polito). In the interval at 7.45: News.

8.15—Operetta Music. Excerpts, "Au Temps des Merveilleuses" (Christiné), "Richard coeur de Lion" (Grétry), "Le Petit Duc" (Lecocq), "Robert Macaire" (Barthomieu), "Enlevez moi" (Gabaroché), "La Poupée" (Audran), "Ignace" (Dumas). In the interval at 8.30: Sports. 9.20—An Inter-

view. 9.30—Organ. 9.45—China—Light Music. 10.0—Records. 10.15—Light Music. 10.30—Records. 10.45—Songs. 11.0—Light Music. 11.15—Records. 11.30—Orchestra. 12.0 m't—Dance Music. 12.30 a.m. (Monday)—Time; Orchestra. 1.0-2.0—Dance Music.

RADIO-ROMANIA (Brasov)
(Romania)
160 kc/s (1,875 m.); 150 kW.
See Bucharest.

RIGA (Latvia)
583 kc/s (514.6 m.); 15 kW.
Transmits at intervals from 7.0 a.m.
6.15 p.m.—Festival Programme for Lithuanian Independence Day arranged by the Latvo-Lithuanian Union. Address by M. Riteris, President of the Latvo-Lithuanian Union. Latvian and Lithuanian National Anthems. Addresses by the Latvian Government Representative, the Lithuanian War Minister and the Latvo-Lithuanian Union Representative.
7.0—See Kaunas. At 8.0: News.
8.30-10.0—Dance Records.

ROME (Italy)
713 kc/s (420.8 m.); 50 kW. Relayed by Naples, 1,104 kc/s (271.7 m.); Bari (No. 1), 1,059 kc/s (283.3 m.); Bari (No. 2), Milan (No. 2), and Turin (No. 2), 1,357 kc/s (221.1 m.).
7.35-8.0 a.m.—News. 9.0—Rural Programme. 10.0—See Turin. 11.0-11.15—Bible Reading. 11.30—Cetra Orchestra. 12.0 noon—Time; News. 12.10 p.m.—Musical Sketch. 12.40—Records. 1.15-2.0—Excerpts, "The Raising of Lazarus"—Opera (Perosi). 2.50—Football Report. 3.45—Rélav from Asmara. 4.0—Symphony Concert from the Politeama Fiorentino. Conductor: Gui-

Suite in B minor (Bach). Symphony No. 2 (Beethoven). Tartarin de Tarascor (Torrini). Also sprach Zarathustra (Strauss). L'apprenti sorcier (Dukas). In the interval: Sports.

6.0—Sports. 6.20—Announcements. 6.40—Olympic Games Report. 7.0—Guessing Competition. 7.5—To be announced. 7.20—Time; News; Talk. 7.35—"Il marito amante della moglie"—Comedy in Three Acts (Giacosa). 9.15-10.30—Dance Music. In the intervals: Film Notes; and at 10.0: News.

SOTTENS (Switzerland)
677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.).
8.55 a.m.—Chimes. 9.0—Protestant Service. 10.15—Records. 11.0—Vuataz (Carillon) from St. Peter's Cathedral. 11.20—Records. 11.30—News. 11.40—Records.
12.30-1.0 p.m.—Engel's Orchestra.
1.30-4.0—Olympic Ice Hockey Report and close of Games. 5.0—Records. 5.50—Protestant Address. 6.20—Records. 6.40—Sports Report.

7.0—Old Italian Music. The Ménestrantie Society. Conductor: Hélène Teyssie-Wuilleumier. Flore Wend (Soprano). Ricercare, for Four Viols (Palestrina). "Chiamo d'Ore" for Soprano, Two Trebles, Bass Viol and Harpsichord (Monteverdi). Canzone for Three Instruments and Spinnet (Frescobaldi). Jubilate omnes from "Divine Lodi musicali" (Ricci). Concerto for Four Viols and Harpsichord (Torelli).

7.30—Fantasies.
7.50—Chopin Recital by Marie Panthès (Pfte.). Two Nocturnes. Polonaise. Mazurka. Waltz. Impromptu. Tarentella. 8.20—News.

8.30-9.15—See Monte Ceneri.

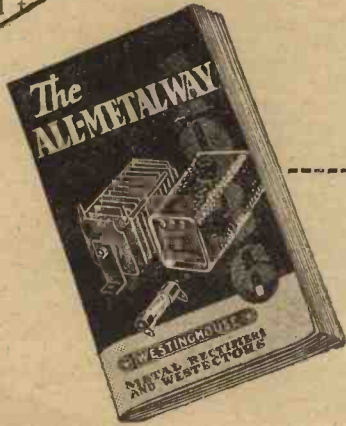
PROBLEMS

points concerning the operation of which are dealt with below. When the flash-lamp bulb type are used, it may be noted that these give a brilliant flash when the receiver is switched on. This is due to the large surge of current required to charge the condensers, and is quite in order.

(b) The fuse bulbs may glow while the receiver is in operation. This is due to the fact that sufficient current is flowing through the circuit to cause the bulb to glow, but as the current in the secondary circuit of a voltage-doubler network may be many times the D.C. output current, there is no cause for alarm.

(c) The fuse bulbs may glow at irregular intervals. This is due to large momentary increases in the current through the valves, or to the overloading of the valves, or to the overloading of the valves. Appropriate adjustments to cure the fault.

(d) When it is attempted to connect the receiver or eliminator, it may be noted that the bulbs also glow.



MOST PROBLEMS

CONNECTED WITH A.C. MAINS RADIO ARE FULLY DISCUSSED IN

"THE ALL-METAL WAY, 1936"

which contains chapters on eliminator faults, prevention and cure of hum, automatic volume control, etc.

"The All-Metal Way, 1936," also gives full details of Westinghouse Metal Rectifiers and Westectors, and contains many circuits for their use.

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STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW. Relayed by Motala, 216 kc/s (1,389 m.); Göteborg, 941 kc/s (318.8 m.); Hörby, 1,131 kc/s (265.3 m.); and Boden, 392 kc/s (765 m.).

8.0 a.m.—Talk. 8.30—Records: Concerto in D (Chausson) by Cortot (Pfte.), Thibaud (Violin), and a String Quartet. 9.15-9.45—Talk. 10.0—Service. 11.40—News. 12.0 noon—Winter Olympic Games Report.

12.30 p.m.—Symphony Concert from Malmö. Orchestra and Choir. Conductor: Schneevogt. Anna Tibell (Contralto). Symphony in F (Atterberg). Three Songs (Nordqvist). Song, Dina ögon äro eldar (Rantzén). Suite in D (Bach). Rhapsody for Contralto, Choir, and Orchestra (Brahms).

2.0—For Children. 2.30—Records. 3.30—Winter Olympic Games Report. 5.0—Evensong. 6.15—Report. 6.30—Talk.

7.0—Potpourri, From Strauss to Lehár (Hruby). Radio Orchestra, Choir, and Soloists. Conductor: Grevillius. 8.45—News.

9.0-10.0—Barkel Quartet. String Quartet in A minor (Haquinus). String Quartet in B (Haydn).

STRASBOURG (France)

859 kc/s (349.2 m.); 120 kW.

7.0 a.m.—News. 7.30—Records. 7.40—News in German. 8.0—Gym. 9.30—Records. 10.45—Protestant Service. 11.30—Roman Catholic Service in German.

12.0 noon—Records. Wedding Day on Troldhaugen (Grieg). Rustle of Spring (Sinding). Two Songs. Waltzes. Germaine Lix and Jean Lumière. Light Music. 12.45 p.m.—News. 1.10—Records. 1.45—Sports.

2.0—French Music. Lise Granger-Daniels (Songs) and Halter (Pfte.). Songs (Chabrier): (a) Romance de l'étoile, (b) Chanson pour Jeanne, (c) Les cigales. Pfte.: (a) Impromptu (Chaminade), (b) Fileuse (Chaminade). Songs: (a) Berceuse (Bizet), (b) Aria, "Monsieur Beaucaire" (Messager), (c) Spring Song (Gounod), (d) Les Stances (Gaubert). Pfte.: Waltzes (Hahn). Songs: (a) En sourdine (Hahn), (b) La lettre de Mozart (Hahn), (c) L'eau claire (Beydts), (d) Le Coquebin (Beydts), (e) Coecilia and Jardin d'amour (Vuillermoz). 3.30—Variety.

4.30—To be announced. 5.0—See Paris (Radio-Paris). 7.0—Medical Talk in German. 7.15—Programme for Lithuanian Independence Day. 7.30—Time; News. 7.50—News in German. 8.10—Announcements.

8.15—"Echoes from Salzburg"—Mozart Concert. Conductor: de Villers. Erika Rokyta (Soprano) and Alfred Jerger (Songs). Overture, "Titus." Soprano: Et incarnatus est from the Mass in C minor. Serenade for Strings. Songs. Excerpts, "Les petits riens." Duets, "Figaro" and "The Magic Flute." Overture, "Idomeneo." 9.30—Dramatic Programme. Part I: "L'eau dormante"—One-Act Play in Verse (Valette). Part II: "L'esprit de contradiction"—One-Act Play (Dufresny).

10.45—See Paris (PTT).

STUTTGART (Germany)

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

5.0 a.m.—See Hamburg. 7.0—Time; Weather. 7.5—Gym. 7.25—Announcements. 8.0—A Musical Winter Journey (Albrecht-Hahn). 9.0—"Fellowship"—Literary and Musical Programme. 9.30—Krause (Violin) and Zarges (Pfte.). Sonata in G minor (Sjögren). Sonata in F (Grieg).

10.0-5.0 p.m.—See Munich. 5.0—Wende Dance Band. 6.0—Sports

Report. 6.11—Carnival Meeting Report.

7.0—"The Golden Wedding"—Sequence in Word and Music about Swabian Peasant Life (Lang).

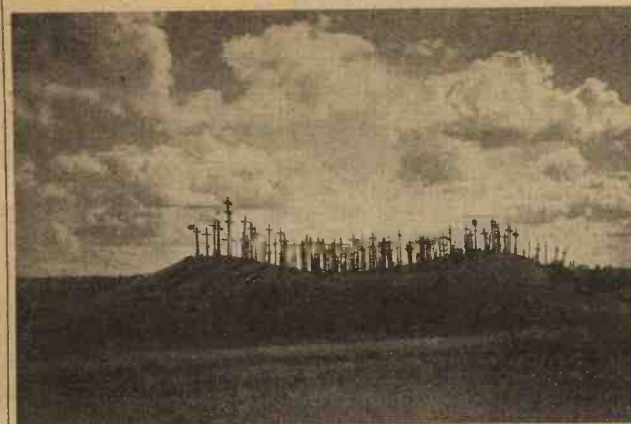
8.0—See Breslau. 9.0—Time; News. 9.30—See Munich.

11.0-1.0 a.m. (Monday)—"Paradise and the Peri"—Cantata (Schumann). Station Orchestra and Choir. Conductor: Zimmermann. Adelheid Armhold (Soprano). Annemarie Banzhaf (Soprano). Emma Mayer (Contralto). Knoll and Nothelfer (Tenors). Müller (Baritone). Rieth (Bass).

TALLINN (Estonia)

731 kc/s (410.4 m.); 20 kW.

Transmits at intervals from 5.30 a.m. 6.15 p.m.—Festival Programme for Lithuanian Independence Day arranged by the Estonia-Lithuanian League—Part Relay from the Estonia Concert Hall. Opening Address by M. Uesson, President of the Estonia-Lithuanian League. Speech by M.



"The Mound of Crosses," a characteristic of Lithuania, whose National Day is celebrated by several stations

Seljamaa, Foreign Secretary. Lithuanian National Anthem. Speech by M. Dailide, Lithuanian Minister. Estonian National Anthem. Address by the Lithuanian Government Representative. 7.0—See Kaunas.

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW.

11.0 a.m.—For Farmers. 11.5—Orchestra. 11.25—Roman Catholic Service. 11.40—Excerpt, "The Damnation of Faust" (Berlioz). 11.50—Film Music. 12.0 noon—Concert. 12.20 p.m.—News. 12.35—Operetta Music. 12.50—Markets; Amusements. 1.0—Salon Orchestra. 1.25—Concert.

1.45—Opera Arias. "Grisélidis" (Massenet), "Lohengrin" (Wagner), "Faust" (Gounod), "Der Freischütz" (Weber).

1.55—News. 2.0-2.15—Protestant Service. 5.0—Dance Music. 5.15—Chansonnettes. 5.35—Operetta Music. 5.45—Children's Songs. 6.0—Orchestra. 6.15—Songs.

6.30—Opera Music. Overture, "Euryanthe" (Weber). Barcarolle, "Tales of Hoffmann" (Offenbach). Selection, "The Thieving Magpie" (Rossini).

6.45—News. 6.50—Film Music. 7.5—Salon Orchestra. 7.25—Xylophone: Overture, "Carmen" (Bizet). 7.30—News. 7.45—Duets. 8.15—Concert. 8.30—Marches. 8.50—Cigány Band. 9.0—"L'amour qu'est donc?"—Fantasy. 9.35—Viennese Orchestra. 9.40—Military Music. 10.0—English Dance Music. 10.30—North African News. 10.45—Dance Music.

11.0—Operetta Music. Excerpts, "Les cloches de Corneville" (Planquette), "Rose Marie" (Friml), "Bégonia" (Mercier), "Azor" (Gabarroche).

11.15—Argentine Orchestra. 11.30—Philharmonic Orchestra. 11.45—Tyrolean Music. 12.0 m't—Au caveau de

minuit—Music-Hall. 12.15 a.m. (Monday)—News. 12.20-12.30—Hunting Horns.

TURIN (No. 1) (Italy)

1,140 kc/s (263.2 m.); 7 kW. Relayed by Milan (No. 1), 814 kc/s (368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,222 kc/s (245.5 m.); Florence 610 kc/s (491.8 m.); Bolzano, 536 kc/s (559.7 m.).

7.35 a.m.—News. 8.0-8.30—Announcements. 9.0—Rural Programme. 10.0—Mass from the Basilica of the Annunciation, Florence. 11.0-11.15—Bible Reading.

11.30-1.15 p.m.—See Rome.

2.50-7.5—See Rome. 7.5—To be announced. 7.20—Time; News; Talk. 7.35—Genoa University Students' Programme.

8.35—"Tanz ins Glück"—Operetta in Three Acts (Stolz). In the intervals: Announcements; News in German; Talk. After the Operetta: News.

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Relayed by Graz and Linz, 886 kc/s (338.6 m.); Innsbruck, 519 kc/s (578 m.); Dornbirn, Klagenfurt, and Vorarlberg, 1,294 kc/s (231.8 m.); and Salzburg, 1,348 kc/s (222.6 m.).

7.0 a.m.—Call; Motto. 7.5—Time; Announcements. 7.10—Gym. 7.30—Records. 8.25—For Farmers. 8.45—Mass in F (Ziani) from the Franciscan Church. Rossau Church Choir, Conductor: Corazza, and Franciscan Church Choir, Tittel (Organ). 10.0-1.0 p.m.—Light Music. Radio Section of the Vienna Symphony Orchestra. Conductor: Holzer. In the interval: Winter Olympic Games Report from Garmisch-Partenkirchen: Ski-Jumping. Willy Schmieger at the Microphone. 1.15 p.m.—Time; News.

1.30—Winter Olympic Games Report: Ice Hockey Finals.

2.45—Closing Scenes of the Winter Olympic Games from Garmisch-Partenkirchen. Willy Schmieger at the Microphone.

4.0—New Hungarian String Quartet. Quartet in A (Dohnányi). Quartet (Kodály). 4.50—Joseph August Lux reads.

5.10—"Wiener Spaziergänge." Radio Section of the Vienna Symphony Orchestra. Conductor: Schönherr. Anny Sieburg (Soprano) and the Tautenhayn Quartet. March, Echte Wiener Volksfiguren (Gruber). Overture, "Morning, Noon and Night" (Suppé). Stephansturmlied (Brandl). Song, Dann geh' ich hinaus in den Wiener Wald (Stolz). Waltz, An der schönen grauen Donau (Lehár). Song, In Wien gibt's manch' winziges Gassel (Stolz). Old Viennese Dance Tunes (Tautenhayn). Song, In Schönbrunn, in Schönbrunn (Benatzky). Polka, Die Pötzleinsdorferin (Schrammel). Song, Das Lercherl

SUNDAY (February 16)

von Hernal's (Ascher). March, Wiener Nachtleben (Gebauer).

6.0—Time; Announcements; Sports. 6.10—"Wiener Spaziergänge" (contd.).

March, 's gibt nur a Wien (Holzer). Overture, "Wiener G'schichten" (Hellmesberger-Jascha). In Heiligenstadt steht a Bankerl am Bach (Ascher). Song, Einmal war Wien eine Kaiserstadt (Weiss). Intermezzo, Praterbummel (Pachernegg). Song, Heut' fahr'n ma im Wagerl in die Hauptallee (Stolz). Annen-Polka (Strauss). Song, Wenn der alte Brunnen rauscht (Altmann). Waltz, Weana Mad'ln (Ziehrer). Viennese Folk Music (Tautenhayn). Song, Vienna, City of my Dreams (Sieczynski). March, Weana san ma, Weana bleib'n ma (Müller). 7.0—Du bist wie eine Blume (Heine).

7.5—Carnival Programme: (a) "Hannswurst und Crispin"—Comedy (Hafner), (b) "Harlekinade von heute"—Humorous Sequence (Trenk-Treibtsch) with Music by May. 9.0—News.

9.20—Telmányi (Violin), Väsárhelyi (Pfte.). Ciaccona (Vitali). Allegro (Scarlatti-Telmányi). Largo (Veracini-Corti). La caccia (Chiabrano-Corti). Romanian Dances (Bartók). Cigány Rhapsody for Violin and Pfte. (Ravel).

10.0—Carnival Concert by the Vienna State Opera Choir from the Hotel Continental.

11.0-12.0 m't—Dance Music. Stöckl's Canada Band. Nagel (Songs).

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.); Poznań, 868 kc/s (345.6 m.); Torun, 986 kc/s (304.3 m.); and Wilno, 536 kc/s (559.7 m.).

8.0 a.m.—Hymn. 8.3—For Farmers. 8.15—Records. 8.40—News. 9.0 (from Cracow)—Service; Berlioz Records. 10.57—Time. 11.0—Fanfare. 11.3—Theatre Review.

11.15 (from Wilno)—Symphony Orchestra. Conductor: Lewicki. Szpinalski (Pfte.). Overture, "L'épreuve villageoise" (Grétry). Suite, "Dardanus" (Rameau). Pfte. Concerto in D (Haydn). Symphony in B flat (Beethoven). In the interval at 12.0 noon—Excerpt, "The Golden Skull"—Play (Slowacki).

1.20—Records; Light Music. 2.0—For Farmers. 3.0—For Children.

3.15—Mandoline Band. Gavotte (Michalowski). Entr'acte (Gosztolt). Mountain Dances (Paderewski). Polonaise, "The Countess" (Moniuszko). Excerpt, "Sigismund Augustus" (Joteyko). Rêverie (Kratzer).

3.45—Pankiewicz Songs—Choirs. Conductor: Czudowski. Wedding Songs. Waltzes. 4.5—Dance Music. 4.40—Local Snapshots—Wilno. 5.0—Lifan ("Cello"). 5.30 (from Lwów)—"Invitations to the Meeting"—Play (Bronczyk). 6.10—Announcements. 6.45—Poems.

7.0—"Wagner and Mathilde Wesendonck"—Station Orchestra. Conductor: Fitelberg. Zawadzka (Songs). Songs to Text by Mathilde Wesendonck: (a) Der Engel, (b) Schmerzen, (c) Träume, (d) Song, (e) Stehe still. Prelude and Death of Isolda.

7.45—Reading (Pilsudski). 7.50—News. 8.0 (from Lwów)—Variety. 8.30—(from Lwów)—Travel Talk. 8.45—Sports. 9.0—Dance Music. Conductor: Gorzynski. In the interval at 9.30: Olympic Winter Games Report. 10.0—Weather. 10.5—Dance Records.

MONDAY February 17

4 p.m.

MOSCOW, 4.30—Opera Relay.

5 p.m.

ATHLONE, 5.30—Talk.
BEROMÜNSTER, For Children.
5.30—Talk. BRUSSELS (1),
Cigany Band. BRUSSELS (2),
Light Music. 5.30—For Children.
BUDAPEST (1), For Workers.
5.30—Hungarian Pfte. Music.
COLOGNE, Opera Music—Station
Orchestra Chamber Choir, Soloists.
DEUTSCHLANDSENDER, Variety.
5.20—Talks. 5.45—Sports.
HILVERSUM (1,875 m.), Light Music.
HILVERSUM (301.5 m.), N.C.R.V.
Orchestra.
KALUNDBORG, 5.20—English. 5.50
—Wireless Notes.
MOSCOW, Opera (contd.).
OSLO, Talk. 5.30—Banjo Quintet.
5.50—News.
PARIS (PTT), Poulet Concert. Con-
ductor: Tomasi. 5.30—Talks.
PRAGUE, For Farmers. 5.10—
Talk. Poems, News (German).
5.55—Record.

RADIO-NORMANDIE, Dance Music.
5.15—Bing Crosby Records. 5.30—
Light Music. RADIO-PARIS,
Anniversaries. 5.10—Book and
Film Reviews. 5.30—Poulet Con-
cert. Conductor: Tomasi. Marie
Simon (Songs). ROME, For
Farmers, Talk, News. 5.30—
SOTTENS, For Women. 5.30—
Esperanto. 5.40—Bridge Lesson.
5.55—Talk. STOCKHOLM, Re-
cords. 5.45—Talk. STUTTGART
and GERMANSTATIONS, Variety.
TURIN, For Farmers, Announce-
ments.
VIENNA, Talks, Review. 5.35—
English.
WARSAW, Rosenbaum and Sulikow-
ski (Pftes.)—Mozart, Franck. 5.30—
Choir. 5.45—Notes.

6 p.m.

ATHLONE, Home Chat. 6.15—
Vera Wilkinson's Trio. 6.45—
News.
BERLIN, See Stuttgart. 6.45—
Evening Echo. BEROMÜNSTER,
Time, Records. 6.20—To be an-
nounced. 6.40—Music Talk.
BRESLAU, See Stuttgart. 6.45—
Talk. BRUSSELS (1), Records :
Poème (Chausson). 6.15—Talk.
6.30—French Music — Bernac
(Songs), Denyse Dixmier (Pfte.).
BRUSSELS (2), For Children.
6.15—Records : "Madame Butter-
fly" (Puccini). 6.45—Talk. BU-
CHAREST, News. 6.15—Light
Pfte. Music (Villnov and Sibiceano),
by the Composers. 6.40—Books.
6.50 — Olga Koch (Arias).
BUDAPEST (1), Talk. 6.30—
Opera Music—Opera Orchestra and
Choir. Conductors: Fridl and
Roubal. Soloists: Gaal and Gallai.
COLOGNE, Opera Music (contd.).
6.45—Talk.
DEUTSCHLANDSENDER, "Adam
versus Eve"—Variety. 6.40—
Topical.
FRANKFURT, See Stuttgart. 6.45—
Topical.
HAMBURG, See Stuttgart. 6.45—
Topical. HILVERSUM (1,875 m.),
Light Music. 6.10—Piper and
Dresden Music by the Dutch
Chamber Music Ensemble and
Soloists. Conductors: Tiggers.
HILVERSUM (301.5 m.), N.C.R.V.
Orchestra. 6.10—Letters, News,
Report.
KALUNDBORG, News. 6.20—Talk.
6.30—Debate: The Danish Theatre
To-day. KÖNIGSBERG, See Stutt-
gart. 6.45—Topical.
LEIPZIG, See Stuttgart. 6.45—For
Farmers.
MOSCOW, Opera (contd.).
MUNICH, See Stuttgart. 6.45—
Talk.
OSLO, News. 6.30—Time, "El
berretto a sonagli"—Play (Piran-
dello).
PARIS (PTT), Poulet Concert (contd.).
Marie Simon (Songs). 6.30—
Talks. POSTE PARISIEN, 6.15—
Exchange. 6.20—Talks and Re-
cords. PRAGUE, News (German).
Record. 6.15—English. 6.30—
Orchestra.
RADIO-NORMANDIE, For Child-
ren. 6.45—News. RADIO-PARIS
Economics. 6.30—Poulet Concert
(contd.). ROME, News, French
Talk. 6.20—News in English and
French.
SOTTENS, Talk, Record. 6.15—
Music Review, Notes. STOCK-
HOLM, Talk. 6.15—News. 6.30—
Talk. STRASBOURG, Review,

6.15—Debussy and Ravel Records.
6.45—Talk. STUTTGART,
Variety (contd.). 6.45—Records.
TOULOUSE, Exchange, Light Music,
News. TURIN, News in Foreign
Languages.
VIENNA, Time, News. 6.20—Talks.
WARSAW, Talk, Announcements.
6.50—Talk.

7 p.m.

ATHLONE, "Musical Antagonisms"
—Orchestra, Prof. Starkie. 7.45—
Talk.
BERLIN, News. 7.10—Maler,
Fortner, Simon, Frommel—Station
Orchestra and Choir. Conductors:
Fortner and Weigel. Trampler
(Viola). BEROMÜNSTER, 7.5—
See Vienna. BRESLAU, News.
7.10—"End of the Winter Sales"
—Variety by the Station Dance Band
and Soloists. BRUSSELS (1),
Brenders Dance Band. 7.30—
Sports, Review. BRUSSELS (2),

Records. 7.45 News. RADIO-
PARIS, 7.5—See Vienna. ROME,
7.5—Announcements, News. 7.35
—Students' Programme.
SOTTENS, Bach Recital by Montillet
(Organ). 7.25—"The Call of the
Stars"—Play (Hernfield). STOCK-
HOLM, Gerhard Hüsch (Baritone).
7.50—Report. STRASBOURG,
Annette Brincour (Contralto) 7.30
—Time, News. STUTTGART,
News. 7.10—Popular Programme.
Part I, "The Apprentice in Magic"
—Variety. Part II, Herrmann
(Bass-Baritone) and Orchestra.
TOULOUSE, Light Music. 7.10—
Songs. 7.30—News. 7.45—
Chansonnettes. TURIN, 7.5—
Time, News, Talk. 7.15—News.
7.35—Variety.
VIENNA, 7.5—"Das Lied von der
Erde"—Symphony (Mahler) from
the Concert House. Rosette Anday,
Henk Noort and Vienna Symphony
Orchestra. Conductor: Fried.
WARSAW, For Soldiers. 7.30—
Songs. 7.50—News.

8 p.m.

ATHLONE, 8.5—County Longford
Regional Broadcast.

PRINCIPAL EVENTS

SYMPHONY CONCERTS

7.5 Prague: Beethoven, Bruckner.
7.5 Vienna, Beromünster: "The Song of the
Earth" (Mahler).
8.10 Strasbourg: Liszt's "St. Elisabeth."
8.45 Rome: Parodi, Barzetti (pfte.).
LIGHT CONCERTS
12.15 Radio-Paris: Orchestra, songs.
2.20 Kalundborg: Radio Orchestra.
3.0 Deutschlandsender: Hotel Orchestra.
4.0 Strasbourg, Radio-Paris: Orchestra.
5.0 Stuttgart, etc.: Light music.
6.30 Budapest 1: Opera Music.
7.0 Athlone: "Musical Antagonisms."
7.10 Hamburg: Carnival concert.
7.30 Bucharest: American music.
7.35 Turin: Variety concert.
8.15 Vienna: "Vienna"—a sound-picture.
9.0 Stockholm: Light music.
9.15 Kalundborg: Radio Orchestra.
9.30 Breslau, etc.: Serenade.
9.30 Warsaw: European relays.
10.10 Budapest 1: Cigany Band.
11.0 Frankfurt, Stuttgart: Popular orchestral.
OPERAS
7.10 Frankfurt, etc.: "Boris Godunov," Act I.
8.15 Radio-Paris: "La Traviata."
CHAMBER MUSIC
8.0 Brussels 1: Beethoven, Borodin.

8.30 Kalundborg: Quartet (Dvořák).
9.5 Budapest 1: The Gertler Quartet.
9.15 Turin: Trio, Quintet.
9.55 Poste Parisien: Paris Quintet.

RECITALS

5.0 Warsaw: Two pftes.
6.15 Bucharest: Two pftes; 6.50, Arias.
6.30 Brussels 1: French songs.
7.0 Stockholm: Géhard Hüsch (songs).
8.30 Hamburg: Two pianofortes.

PLAYS

7.25 Sottens: "L'appel des étoiles."
7.45 Deutschlandsender: "Mary Stuart."
8.30 Paris (PTT): "Le malade imaginaire."

TALKS

6.30 Kalundborg: Debate, "The Theatre."
9.5 Brussels 1: "King Albert's Death."

LAST NEWS BULLETINS

(Subject to slight variations)
8.0 Beromünster, Sottens; 8.30, Radio-Paris,
Warsaw; 8.40, Oslo; 8.45, Stockholm;
9.0, German stations, Prague, Vienna;
10.0, Italian Stations; 10.30, Athlone,
Paris (PTT).

DANCE MUSIC

7.0 Brussels 1; 8.50, Sottens; 10.0, Deutsch-
landsender, Kalundborg; 10.10, Brussels
1, Regional; 10.20, Munich; 10.45,
Vienna; 11.0, Radio-Normandie; 11.30,
National.

Records: Pfte. Concerto (Rach-
maninov) by the Composer. 7.30—
Review. BUCHAREST, Olga
Koch (Arias). 7.10—Talk. 7.30—
American Music—Quartet, Violin,
Songs. BUDAPEST (1), Opera
Orchestra (contd.). 7.40—News.
COLOGNE, News. 7.10—Orchestra.
At 7.30—Review.
DEUTSCHLANDSENDER, Motto,
News. 7.10—Peasant Dances—
Station Orchestra. 7.45—"Das
grosse Netz"—Play about Mary
Stuart (Rothe), Music by Stein-
kopf.
FRANKFURT, Time, News. 7.10—
Act I, "Boris Godunov"—Opera
(Mussorgsky).
HAMBURG, News. 7.10—Carnival
Programme. HILVERSUM (1,875
m.), Piper and Dresden Music
(contd.). 7.40—News. 7.50—
V.A.R.A. Orchestra. HILVERSUM
(301.5 m.), Report, Letters. 7.40—
News, Records. 7.55—Choir,
Mlle. Sterken (Pfte.).

KALUNDBORG, Debate (contd.).
KÖNIGSBERG, News. 7.10—Songs.
7.35—"Königsberg-Berlin-Munich-
Vienna"—Variety.
LEIPZIG, News. 7.10—Gala Opera
Concert. Leipzig Symphony Or-
chestra. Station Choir and Soloists.
Conductors: Blumer, Kretzschmar,
Weber.
MOSCOW, Opera (contd.). MUNICH
News. 7.10—Carnival Programme.
OSLO, Play (contd.).
PARIS (PTT), Talks. 7.20—News.
7.38—Poulet Concert (contd.).
POSTE PARISIEN, Talk, News.
7.25—For Farmers, Announce-
ments, Records. PRAGUE, Talk.
7.5—Beethoven and Bruckner Con-
cert.
RADIO-NORMANDIE, Saint-Genest
Music. 7.15—Sports. 7.30—Song

BERLIN, See Breslau. BERO-
MÜNSTER, See Vienna. 8.15—
News. 8.35—Light Music—Leon-
ardo Aramesco (Tenor) and Zürich
Radio Orchestra. BRESLAU,
Variety (contd.). BRUSSELS (1),
Beethoven and Borodin—Brussels
Quartet. BRUSSELS (2), "King
Albert of the Belgians"—Play (de
Lannoy). BUCHAREST, American
Music (contd.). At 8.30—News.
BUDAPEST (1), Records.
COLOGNE, Orchestra. At 8.15—
Review.
DEUTSCHLANDSENDER, "Das
grosse Netz" (contd.).
EIFFEL TOWER, Home Affairs.
8.30—Records.
FRANKFURT, "Boris Godunov"
(contd.).
HAMBURG, Carnival Programme.
8.10—"Er soll das Sterben unter-
lassen"—Eulenspiegel Play (Walter).
8.30—Two Pftes. (Reinecke,
Lilje, Rachmaninov). HILVER-
SUM (1,875 m.), V.A.R.A. Or-
chestra. 8.40—Smith's Royal
Hawaiian Serenades. HILVER-
SUM (301.5 m.), Choir (contd.).
Address in the interval.

KALUNDBORG, Debate (contd.).
8.30—Nigger Quartet (Dvořák).
KÖNIGSBERG, Variety (contd.).
LEIPZIG, Gala Opera Concert
(contd.). LILLE, 8.30—Operetta
Music.
MONTE CENERI, To be announced.
MOSCOW, Economics (German).
MUNICH, Carnival Programme.
OSLO, Play (contd.). 8.10—Foreign
Affairs. 8.40—News.
PARIS (PTT), Economics. 8.15—
Foreign Affairs. 8.23—Alice Raveau
(Schumann Songs). 8.30—"Le
malade imaginaire"—Comedy
(Molière). POSTE PARISIEN,
Records. 8.15—Max Régner and

Company. PRAGUE, Talk. 8.20—
Orchestra.

RADIO-NORMANDIE, Talk. 8.10—
Symphony Orchestra. 8.30—"Le
malade imaginaire"—Comedy
(Molière). RADIO-PARIS, See
Vienna. 8.15—"La Traviata"
(Verdi) from the Opera. News in
the interval. ROME, Students'
Programme (contd.). 8.35—Talk.
8.45—Symphony Concert. Con-
ductor: Parodi. Barzetti (Pfte.).

SOTTENS, Play (contd.). At 8.20—
News. 8.50—Hot Jazz. STOCK-
HOLM, 8.5—Foreign Relay. 8.45
—News. STRASBOURG, Press
Review (German). 8.10—"Die Le-
gende von der heiligen Elisabeth"
—Oratorio (Liszt) from the Palais
des Fêtes. Alfred Jeger, Erika
Rokyta, Louise Denbonte, Cathedral
Choir, Municipal Orchestra. Con-
ductor: Abbé Hoch. STUTT-
GART, Popular Programme (contd.).

TOULOUSE, Variety. TURIN,
Variety. 8.15—Hunting Stories.
8.30—Choir. Conductor: Creme-
sim.

VIENNA, "Das Lied von der Erde"
(contd.). 8.15—"Vienna"—Musical
Sequence.

MOSCOW, 9.5—English Programme.
OSLO, Topical Talk. 9.15—Records :
Second Symphony in D (Beethoven).
PARIS (PTT), "Le malade imagin-
aire" (contd.). POSTE PARISIEN,
9.5—Jean Sorbier (Songs). 9.20—
Sketch. 9.40—Talk. 9.55—Paris
Instrumental Quintet (Ropartz,
d'Indy). PRAGUE, Time, News,
Record. 9.20—Russian. 9.35—
Record. 9.40—German Talk.

RADIO-NORMANDIE, "Le malade
imaginaire" (contd.). RADIO-
PARIS, "La Traviata" (contd.).
ROME, Symphony Concert (contd.).
SOTTENS, Hot Jazz. STOCKHOLM,
Light Orchestra. STRASBOURG,
"Die Legende von der heiligen
Elisabeth" (contd.). STUTTGART,
Time, News. 9.30—Trio in B flat
(Mozart).

TOULOUSE, Sketch. 9.35—Operetta
and Film Music. TURIN, 9.5—
Talk. 9.15—Nucci Quintet—
Beethoven, Montani. 9.45—Dance
Music.

VIENNA, News. 9.10—Light Music—
Kunerrth Quartet. 9.45—Books.

WARSAW, Unpublished Excerpts.
"Thaetetus" (Plato). 9.30—Relay
of Foreign stations.

10 p.m.

ATHLONE, Variety. 10.30—News
Light Music.

BERLIN, Violin, Soprano, Baritone
BRESLAU, FRANKFURT, KÖ-
NIGSBERG and LEIPZIG, Orches-
tra. BRUSSELS (1), News. 10.10—
Dance Band. BRUSSELS (2),
News. 10.10—Records. BUCHA-
REST, Restaurant Concert. BU-
DAPEST (1), Quartet (contd.).
10.10—Orban (Songs) and the Sári
Cigany Band.

COLOGNE, Haydn and Bossi—
Cologne Chamber Orchestra and
Riele Queling (Violin).

DEUTSCHLANDSENDER and
STUTTGART, Gaden Dance Band.

HAMBURG, Bremen Stadtmusikan-
ten, "Cello. HILVERSUM (1,875
m.), Records. 10.10—Jong (Organ).
10.40—Records. HILVERSUM
(301.5 m.), News. 10.10—Records.

KALUNDBORG, Dance Music.

LILLE, Operetta Music. 10.30—
News.

MOSCOW, Hungarian Talk. MU-
NICH, See Breslau. 10.20—Relay
from the Olympia Ball in the
Deutsches Theater.

PARIS (PTT), "Le malade imagin-
aire" (contd.). 10.30—News.
POSTE - PARISIEN, Quintet
(contd.). 10.30—Records.

RADIO-NORMANDIE, "Le malade
imaginaire" (contd.). RADIO-
PARIS, "La Traviata" (contd.).
ROME, News. 10.15—Dance
Music.

STRASBOURG, "Die Legende von
der heiligen Elisabeth" (contd.).

TOULOUSE, Music Hall. 10.30—
News. 10.45—Opera Music.

TURIN, News (Italian, Spanish).
10.15—Dance Music.

VIENNA, News. 10.15—Light Music
(contd.). 10.45—Fox Dance Band.

WARSAW, 10.5—Relay of Foreign
Stations.

11 p.m.

FRANKFURT, Records of the Station
Orchestra.

HILVERSUM (1,875 m.), Records.
HILVERSUM (301.5 m.), Records.

KALUNDBORG, Time, Chimes,
Dance Music.

POSTE-PARISIEN, Time, Topical.

RADIO-NORMANDIE, Dance
Music. 11.30—News. 11.40—
Cabaret. RADIO-PARIS, "La
Traviata" (contd.).

STUTTGART, See Frankfurt.

TOULOUSE, Music and songs.
VIENNA, Fox Dance Band.

12 midnight

FRANKFURT, Records (contd.).

RADIO-NORMANDIE, Dance
Music. At 12.30, Time.

STUTTGART, See Frankfurt.

TOULOUSE, Music Hall. 12.15—
News. 12.20—Marches.

1 a.m. (Tuesday)

RADIO-NORMANDIE, Dance
Music.

NATIONAL

Time Signals : (normally) Big Ben : 10.15 a.m., 5.15, 6.30 p.m., 12 midnight. Greenwich : 10.30 a.m., 6.0, 9.30, 11.30 p.m. 10.15 a.m. (Droitwich)—Service. 10.30 (Droitwich)—Weather Forecast. 10.45—Fashionable Crazyes—"Public Holidays." Helen Simpson. 11.0—Records. 11.30—For Schools : German Dialogue. 11.45—Records. 12.0—What we know about Christ, by the Rev. Canon A. C. Deane. 12.25 p.m.—The Leon Wayne Sextet. 1.15—Percy Whitlock (Organ). 2.0 (Scottish)—See Regional. 2.5 (ex. Scottish)—For the Schools : Gardening. 2.30—Music. 3.0 (ex. Scottish)—Records. 3.35 (ex. Scottish)—For the Schools : Early Stages in German. 4.0—Peggy Radmall (Violin), Peggy Grummit (Pfe.). 4.30—Heworth Colliery Band. 5.15—Frank Walker Octet; Ivor John (tenor). 6.0—"The First News." 6.25—Interlude. 6.30—Foundations of Music. Brahms : Early Songs, sung by John Armstrong (Tenor). 6.50—Many Inventions (6)—H. Stafford Hatfield, Ph.D. 7.10—The Cinema—Alistair Cooke. 7.30—Galsworthy Plays—"Loyalties," by Eric Gillett. 8.0—"The Vagabond Lover," presented by Max Kester. 8.15—"The High Road"—A Comedy by Frederick Lonsdale. 9.30—"The Second News." 10.0—Report of the Archbishop's Commission on Relations between Church and State, by the Rt. Hon. Viscount Cecil of Chelwood, Chairman of the Commission. 10.20—The Lyra Quartet; Sinclair Logan (Baritone); Serenade for flute, violin and viola (Beethoven); Songs by Richard Strauss; Quartet for flute, violin, viola, and harp (Felix White). 11.30-12.0 (Droitwich)—Dance Music.

REGIONAL

Time Signals : (normally) Big Ben : 10.15 a.m., 5.15, 6.30 p.m., 12 midnight. Greenwich : 10.30 a.m., 6.0, 10.0, 11.30 p.m. 10.15-10.45 a.m. (except Midland)—Droitwich. 10.45—Cinema Organ. 10.15—Haydn Heard and his Band. 12.15 p.m.—BBC Midland Orchestra. 1.15—Miscellaneous Records. 2.0 (ex. Scottish)—Orchestra. 2.0 (Scottish)—For Schools : Reception Test. 2.5—Geography. 2.25 (Scottish)—Song Recital. 3.0 (ex. Scottish); Northern, Western from 3.25—BBC N. Ireland Orchestra; William Bates (Bassoon). 3.0 (Scottish)—Records. 3.0 (Western, Northern)—For Schools. 3.35 (Scottish)—Early Stages in German. 4.0—Hungaria Gipsy Band. 4.45 (ex. Northern, Midland)—Ballad Concert; Soprano, Baritone. 4.45 (Midland, Northern)—Songs, Pfe. 5.15—Children's Hour. 6.0—"The First News." 6.30—BBC Dance Orchestra. 7.0 (Regional)—BBC Orchestra; Arnold Matters (Baritone). 7.0 (Midland)—Midland Orchestra. 7.0 (Western)—Welsh Orchestra. 7.0 (Northern)—The Keld Quintet. 7.0 (N. Ireland)—N. Ireland Orchestra. 7.0 (Scottish)—News for Young Scotland. 7.10 (Scottish)—West Calder Brass Band; Nell Ballantyne (Enter-tainer). 7.30 (Northern)—Northern Orchestra. 7.40 (Western)—Pfe. Recital. 7.55 (Midland)—Country Correspondent. 8.0 (Regional, Scottish)—Reading. 8.0 (Western)—Short Story. 8.0 (N. Ireland)—"And how is it you live"—A Timber Cutter. 8.15—Variety. 9.0—Steve Geray and Magda Kun. 9.15 (Regional, N. Ireland)—BBC Military Band; Ronald Stear (Bass). 9.15 (Midland)—Oundle School Organs—Clement Spurling. 9.15 (Western)—Norman Griffin (Comedian). 9.15 (Northern)—Oldham Postal Prize Brass Band; The Fletcher Singers. 9.15 (Scottish)—Laguna Revisited. 9.30 (Western)—When Day is Done. 10.0—News Summary. 10.10-12.0 (Midland till 11.30; Scottish from 10.40)—Dance Music. 10.10 (Scottish)—Scottish Dances.

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 60 kW. Relayed by Dublin, 1,348 kc/s (222.6 m.); and Cork, 1,240 kc/s (241.9 m.). 1.30-2.30 p.m.—Records. 5.30—Fred May; Wind Instrument Music. 6.0—Home Chat. 6.15—Vera Wilkinson's Trio. 6.45—News. 7.0—"Musical Antagonisms." Orchestra, Professor Walter Starkie. 7.45—Talk by Prof. D. Corkery: Building a Nation. 8.5—County Longford Regional Broadcast. 9.5—News in Irish. 9.15—Talk by Mrs. Wyse Power: Great Irishwomen—Anna and Fanny Parnell. 9.30—Variety. 10.30—What happened to-day; Light Music. 11.0—National Anthem.

BARCELONA (EAJI) (Spain)

795 kc/s (377.4 m.); 7.5 kW. Transmits at intervals from 11.0 a.m. 9.0 p.m.—Chimes; Weather. 9.5—Humorous Review of the Week in Verse. 9.15—Station Orchestra. 9.40—Sardanas. In the interval at 10.5: News. 10.50—Béquer Poems. Talk and Recitations. 11.20—Station Orchestra. 11.30—Records. 12.0 m.—News.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Orchestra. 11.20-1.0 p.m.—See Hamburg. 1.0—News. 1.15—Band and Zither Duo. 2.0-2.30—Announcements. 3.0—Humorous Sequence. 3.30—Report: The Reich Vocational Competitions. 4.0—Höllger (Baritone) and Busch (Pfe.). Five Songs (Wolf). Aus meinen Tagebuch (Reger). Four Songs from the Cycle, Ein Sommer (Vollerthun). 4.30—Max Halbe reads. 5.0—See Stuttgart. 6.45—Evening Echo. 7.0—News. 7.10—Station Orchestra and Choir. Conductors: Förtner and Weigel. Trampler (Viola). Orchesterspiel (Maler). Viola Concertino (Fortner). Choräle der Nation (Simon). Suite (Froemel). 8.0—See Breslau. 9.0—News. 9.25—To be announced. 9.40-11.0—Therese Petzko-Schubert (Violin), Mary Wurm-Meisenberg (Soprano) and Schützendorf (Baritone). Andante cantabile (P. E. Bäch). Baritone Songs. Variations (Tartini). Rondino (Beethoven). Soprano Songs. Introduction (Sammartini). Baritone Songs. Organ Solo.

BEROMÜNSTER (Switzerland)

556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.). 5.30 a.m.—Gym.; Weather. 11.0—Records. 11.29—News. 11.40—Records: Swiss Marches and Choral Music. 12.25 p.m.—Time; Weather; Exchange. 3.0—English Music. Orchestra, Conductor: Gilbert. 3.30—Leo Nadelmann and the Station Orchestra. Conductor: Hofmann. 5.0—For Children. 5.30—Talk: The Beaver. 6.0—Time. 6.1—Records. 6.20—To be announced. 6.40—Music Talk: Virtuoso and Conductors. 7.5—See Vienna. 8.15—News. 8.25—Light Music—Leonardo Arnesco (Tenor) and the Zürich Radio Orchestra. Conductor: Reinshagen. 9.15—Weather.

BRATISLAVA (Czechoslovakia)

1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 5.15 a.m. 7.0 p.m.—Anna Janovská (Harp). 7.20—Talk. Quintet in E flat minor (Dohnányi). 8.5—Foerster Songs by Milada Formanová. 8.20—Orchestra. 9.0—News. 9.15—News (Hungarian). 9.30—Slovak Lesson for Hungarians. 9.45-10.0—Records.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz, 1,231 kc/s (243.7 m.). Transmits at intervals from 4.0 a.m. 11.0 a.m.—Orchestra. 1.0 p.m.—News. 1.10—Variety from Deutschlandsender. 2.0—Markets. 2.10—Books. 2.30—Talk. 2.50—Talk. 3.0—Violin Sonata in D minor (Brahms) 3.25—Talk. 3.45—Sailors' Yarns. 4.25—Discussion. 4.50—News. 5.0—See Stuttgart. 6.45—Talk: The Interpretation of History. 7.0—News. 7.10—"End of the Winter Sales"—Station Dance Band and Soloists. 9.0—News. 9.30-11.0—Serenade. Conductor: Scherzer. Seipold (Flute). Overture, "Oberon" (Weber). Sarabande and Gavotte from the Hol-

berg Suite (Grieg). Hungarian Fantasia for Flute and Orchestra (Doppler). Selection, "Iolanthe" (Tchaikovsky). Song "Irischka" (Waltz (Löh)). Selection, "Giuditita" (Léhar).

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.15 a.m. 4.40 p.m.—German Transmission: (a) Medical Talk, (b) Talk: Heine. 5.15—News. 5.20—For Workers. 5.35-7.0—Programme from Prague. 7.0—Králová (Harp). Chalupa (Violin). Kunc (Cello). Nocturne (Trneczek). Impromptu (Pecke). 7.10—"Monteverdi"—Sequence, with Music. 8.0—See Prague. 8.20—Orchestra. 9.0-10.0—See Prague.

BRUSSELS (No. 1) (Belgium)

620 kc/s (483.9 m.); 15 kW. 6.37-9.0 a.m.—Records; News; Gym. 11.55—Weather. 12.0 noon—Records. 12.30 p.m.—Brenders Dance Band. In the interval at 1.0: News. 1.30-2.0—Records. 4.55—News. 5.0—Station Cigány Band. 6.0—Records: Poème (Chausson). 6.15—Talk: Maurice Gauchez.



The Brussels Quartet plays at 8 p.m. (Brussels No. 1)

6.30—Bernac (Songs), Denyse Dixmier (Pfe.). Songs: (a) L'amour de moy, (b) Tambourin, (c) Aria, "Castor et Pollux" (Rameau). Pfe.: (a) Sarabande, Musette, Rondo and Rigaudon (Rameau), (b) Nocturne (Fauré), (c) Waltz Scherzo (Chabrier). Songs: (a) Après un rêve (Fauré), (b) Soir (Fauré), (c) Le temps a laissé son manteau (Debussy). 7.0—Brenders Dance Band. 7.30—Sports; Review of Reviews. 8.0—Brussels Quartet. Quartet in E flat (Beethoven). Quartet (Borodin). 9.5—"The Death and Funeral of King Albert of the Belgians"—Sequence (Fleischman). 10.0—News. 10.10-11.0—Heyne Dance Band.

BRUSSELS (No. 2) (Belgium)

932 kc/s (321.9 m.); 15 kW. Programme in Flemish. 6.37-9.0 a.m.—Records; News; Gym. 11.30—For Schools. 11.57—Weather. 12.0 noon—Records. 12.30 p.m.—Weather. 12.31—Station Cigány Band. Conductor: Féron. 1.0—News. 1.10—Cigány Band (contd.). 1.30—Records. 2.0-2.3—Shipping. 4.55—News. 5.0—Light Music. Conductor: Walpot. 5.30—For Children. 6.15—Records: "Madame Butterfly" (Puccini). 6.45—Talk. 7.0—Pfe. Concerto (Rachmaninov), by the Composer (on Records). 7.30—Theatre Review. 8.0—"King Albert of the Belgians"—Play (Maria de Lannoy), for the anniversary of his Death. 9.0—Light Music. Conductor: Walpot. Visélé (Pfe.). The Dolls' Tea Dance (Rosen). Pfe. Solo: I'm on a See-Saw (Ellis). His Majesty the Baby (Fleessen-Torke). Piece (Englemann). Scott Potpourri (Salabert). Boula Matari (Clymans). Violin: Gipsy Waltz (Caludi). Ballet, "Les Saltimbanques" (Ganne). 10.0—News. 10.10-11.0—Records.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania (Brasov), 160 kc/s (1,875 m.). Transmits at intervals from 10.30 a.m. 6.0 p.m.—News. 6.15—Light Music (Villnon and Sibiccano), by the Composers (Pfe.). 6.40—Book Review. 6.50—Olga Hoch (Arias). 7.10—Educational Talk. 7.30—American Music—Quartet, Sandu Albu (Violin) and Stroesco (Songs). In the interval at 8.30: News. 9.45—News (French, German). 10.0-11.0—Restaurant Concert.

BUDAPEST (No. 1) (Hungary)

546 kc/s (549.5 m.); 120 kW. Transmits at intervals from 5.45 a.m. 11.0 a.m.—Chimes. 11.5—Czicza Cigány Band. In the interval at 11.30: News. 12.20 p.m.—Time; Weather. 12.30—Kornélia Szitár (Songs) and Gyula Vácz (Clarinet). 1.40—For Housewives. 3.10—For Schools. 3.45—Time; Weather. 4.0—Military Band. Conductor: Fígedy. 5.0—For Workers. 5.30—Hungarian Music by Kárpáth (Pfe.). 6.0—Talk. 6.30—Opera Orchestra and Choir. Conductors: Fridl and Roubal. Soloists: József Gaál and Marton Gallai. Overture and Chorus, "The Magic Flute" (Mozart). Chorus, "Samson and Delilah" (Saint-Saëns). March, "Tannhäuser" (Wagner). Aria, "The Castle of Wojwodeni" (Dohnányi). Intermezzo and Chorus, "Carmen" (Bizet). Chorus, "La Juive" (Halévy). Barcarolle (Offenbach). Chorus, "Hamlet" (Thomas). Berceuse (Thomas). 7.40—News. 8.0—Records. 9.0—Weather.

BUDAPEST (No. 2) (Hungary)

359.5 kc/s (834.5 m.); 20 kW. 5.0 p.m.—Mándits Dance Band. 5.30—German Lesson. 6.30—Istvan Csabay. 7.0—Records. 8.0—News.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Orchestra. 11.20-1.0 p.m.—See Hamburg. 1.0—News. 1.15—Riddles. 1.45-2.0—Markets. 2.45—Markets. 3.0—Variety. 4.55—Announcements. 5.0—Opera Music by the Station Orchestra, Chamber Choir and Soloists. Conductor: Breuer. 6.45—Talk: Careers for Girls. 7.0—News. 7.10—Small Station Orchestra. Conductor: Eysoldt. In the intervals at 7.30 and 8.15: Weekly Review. 9.0—Time; News. 9.30—For Ex-Servicemen. 10.0-11.0—Cologne Chamber Orchestra. Conductor: Weyers. Riele Queling (Violin). Violin Concerto in G (Haydn). Intermezzi Goldonjani (Bossi). In the interval: Reading: Der Tintenfisch (Brües).

DEUTSCHLANDSENDER (Germany)

191 kc/s (1,571 m.); 60 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Orchestra. 11.20—See Hamburg. 12.45 p.m.—News. 1.0—Variety. 2.0—Announcements. 2.15—For Young People. 3.0-5.0—Hotel Orchestra. 4.0-4.10—A Visit to a School for Saleswomen. 5.0—Variety. 5.20—Talk. 5.35—Talk: The Book Reviewing System of the Reich Chamber of Literature. 5.45—Sports. 6.0—"Adam versus Eve"—Variety with Maria Ney, Georg Erich Schmidt and the "Merry Accordionists." 6.40—Topical. 7.0—Motto; News. 7.10—Peasant Dances by the Station Orchestra. Conductor: Dobrindt. Peasant Suite (Hartig). Peasant Dances (Dombrowski). Peasant Dances (Windt). 7.45—"Das grosse Netz"—Play about Mary Stuart (Rothe); Music by Steinkopf. 9.0—News. 9.30—Variations in C minor (Beethoven), by Luise Gmeiner (Pfe.). 10.0-11.0—Gaden Dance Band.

MONDAY (February 17)

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Relayed by Cassel, Coblenz, Freiburg, Kaiserslautern and Trier, 1,195 kc/s (251 m.). Transmits at intervals from 5.0 a.m. 11.0 a.m.—Orchestra. 11.20-1.0 p.m.—See Hamburg. 1.0—News. 1.10—Variety from Deutschlandsender. 2.0—Talk; Markets. 2.15—For Children. 2.45—Reading. 3.0—Hans Förster Songs by Toni Schuch (Contralto). 3.30—Light Music by the Constance Municipal Orchestra. 4.30—Songs of the Crafts by a Hitler Youth Choir. 5.0—See Stuttgart. 6.45—Topical. 6.55—Announcements. 7.0—Time; News. 7.10—Part 1, "Boris Godunov"—Opera (Mussorgsky). Conductor: Rosbad. 9.0—Time; News. 9.30—See Breslau. 11.0-1.0 a.m. (Tuesday)—Records of the Station Orchestra. Romantic Overture (Thuille). Berceuse (Rebikov-Andrae). Italian Caprice (Tchaikovsky). Waltz, "Der Rosenkavalier" (Strauss). Overture, "The Barber of Bagdad" (Cornelius). Pesther Karneval (Liszt). Excerpts, "Coppélia" (Delibes). Excerpts, "Le Pavillon d'Armide" (Tcherepnin). Bolero (Ravel).

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW. Relayed by Bremen, Flensburg, Hannover, Magdeburg and Stettin, 1,330 kc/s (225.6 m.). Transmits at intervals from 5.0 a.m. 11.20—Concert from Hanover Castle. 1.0 p.m.—News. 1.20—Music. 2.0—Announcements. 3.0—See Deutschlandsender. 4.0—Song Sequence in Dialect, Station Vocal Quartet and Soloists. 4.45—Talk. 5.0—See Stuttgart. 6.45—Topical. 7.0—News. 7.40—Carnival Programme. 8.10—"Er soll das Sterben unterlassen"—an Eulenspiegel Play (Walter). 8.30—Hattenbach and Schönsce (Two Pfees.). Improvisation on a Seventeenth-century French Folk Song (Reinecke). Five German Dances (Lilje). Tarantella (Rachmaninov). 9.0—News. 9.25—Music. 10.0-11.0—The Bremen Städtmusikanten. Conductor: Krug. Günther Schulz-Fürstberg (Cello). Zu den Sternen empor (Lautenschläger). Entr'acte Gavotte (Gillet). Cello: (a) Capriccio (Schmalstich), (b) Intermezzo (Granados). Prelude, "Carmen" (Bizet). Waltz, "Der Rosenkavalier" (Strauss). Ballet, "Lakmé" (Delibes). Cello: (a) Kujawiak (Nowowiejski), (b) Domspatzen (Schulz-Fürstberg). Russian Dance (Bullerian).

HILVERSUM (1,875 m.) (Holland)

160 kc/s; 10 kW until 2.40 p.m.; 100 kW from 2.40 p.m. V.A.R.A. Programme. 7.40 a.m.—Records. 9.40—V.P.R.O. Religious Programme. 9.55—Recitations. 10.15—Records. 10.40—Light Music; Records. 11.40—Records. 11.55-1.25 p.m.—Light Music. 1.40—Records. 2.40—For Women. 3.10—Jong (Organ). 3.45—Records. 4.10—For Children. 4.40—Light Music. 6.10—Pijper and Dresden Music by the Dutch Chamber Music Ensemble and Soloists. Conductor: Tiggers. 7.40—News. 7.50—V.A.R.A. Orchestra. Conductor: de Groot. 8.40—Smiths' Royal Hawaiian Serenaders. 9.10—V.A.R.A. Orchestra (contd.). 9.55—News; Records. 10.10—Jong (Organ). 10.40-11.40—Records.

HILVERSUM (301.5 m.) (Holland)

995 kc/s; 15 kW until 2.40 p.m. and 60 kW from 2.40 p.m. N.C.R.V. Programme. 7.40-9.10 a.m.—Bible Reading; Records. 10.10—Religious Programme. 10.40—Reading. 11.10—Records. In the interval at 11.40: Announcements. 12.10 p.m.—Zwart (Organ). 1.40—Educational. 2.15—Talk: Horticulture. 2.55-3.25—Records. 3.40—Bible Reading. 4.25—N.C.R.V. Orchestra. Conductor: van d. Hurk. 6.10—Letter-box. 6.40—Announcements; Report; Letter-box. 7.40—News; Records. 7.55—Choir from Hoogeveen. Conductor: Steen. Mlle. Sterken (Pfe.). Address in the interval. 9.55—News. 10.10-11.40—Records.

MONDAY (February 17)

KALUNDBORG (Denmark)

238 kc/s (1,261 m.); 60 kW. Relayed by Copenhagen, 1,176 kc/s (255.1 m.). Transmits at intervals from 6.0 a.m. 11.0 a.m.-1.0 p.m.-Andersen String Ensemble. 2.20-4.20-Radio Orchestra. Henry Jensen (Violin). At 3.5: For Housewives. 4.35-Exchange. 4.45-Poem. 4.50-Talk: Goethe. 5.20-English Lesson. 5.50-Wireless Notes. 6.0-News. 6.20-Talk. 6.30-Debate: The Danish Theatre To-day. 8.30-String Quartet in F-the Nigger (Dvořák), by the Aarhus Quartet. 9.0-News. 9.15-Radio Orchestra. Conductor; Reesen. Prelude, "Renaissance" (Lange-Müller). Suite, "Peer Gynt" (Grieg). España (Chabrier). French Military March (Saint-Saëns).

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 5.3 a.m. 11.0 a.m.-Concert. 11.20-See Hamburg. 1.0 p.m.-News. 1.15-Discussion: Charlotte Wüstendorfer. 1.30-Variety from Deutschlandsender. 2.0-Markets. 2.15-Technical Talk. 2.30-Play. 3.0-Topical Sketch (Brell). 3.35 (from Danzig)-Orchestra, Conductor: Kallipke. 4.20 (from Danzig)-Robert Reinick -Literary and Musical Sequence. Introductory Talk by Röhl. 4.40-Markets. 5.0-See Stuttgart. 6.45-Topical. 7.0-News. 7.10-East Prussia in Hitler Youth Songs. 7.35-Königsberg-Berlin-Munich-Vienna-Variety. 9.15-News. 9.30-Self-Help. 9.50-11.0-Orchestra from Breslau.

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.-Orchestra. 11.20-See Hamburg. 1.0 p.m.-News; Exchange. 1.15-Variety from Deutschlandsender. 2.0-Anniversaries. 2.5-Art Report. 2.50-Markets. 3.0-For Children. 3.30-Kornauth Recital by Annemarie Claus-Schöbel (Contralto) and the Composer (Pfte.). 4.0-Markets. 4.10-Talk. 4.30-Music. 4.40-Talk. 5.0-See Stuttgart. 6.45-For Farmers. 7.0-News. 7.10-Gala Opera Concert in Aid of the Winter Relief Fund. Leipzig Symphony Orchestra, Station Choir, and Soloists. Conductors: Blumer, Kretschmar and Weber. Overture, "Euryanthe" (Weber). Quartet, "Fidelio" (Beethoven). Finale, "Lohengrin" (Wagner). Prologue, "I Pagliacci" (Leoncavallo). Quartet, "Rigoletto" (Verdi). Habanera (Bizet). Sextet, "Lucia di Lammermoor" (Donizetti). Quartet, "La Bohème" (Puccini). Overture, "The Barber of Seville" (Rossini). Arias, "The Merry Wives of Windsor" (Nicolaï), "The Magic Flute" (Mozart) and "Der Walfischschmid" (Lortzing). Excerpts, "The Gipsy Baron" (Strauss), and "Boccaccio" (Suppé). 9.15-News. 9.30-11.0-See Breslau.

LILLE (Radio PTT Nord) (France)

1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.50 a.m. 8.0 p.m.-Time; Records. 8.15-Literary Talk. 8.30-Operetta Music-Station Orchestra. Conductor: Soret. 10.30-News.

MADRID (EAJ7) (Spain)

1,095 kc/s (274 m.); 10 kW. Transmits at intervals from 1.0 p.m. 9.0 p.m.-Talk; Station Sextet. 10.0-Chimes; News. 10.15 (approx)-Béquer Centenary Programme. 11.15-Dance Music. 11.45-News. 12.0 m't-Chimes.

MONTE CENERI (Switzerland)

1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 11.0 a.m. 6.0 p.m.-Records: Magicians of the Baton-Adrian Boulé. Good Friday Magic, "Parsifal" (Wagner). Tragic Overture (Brahms). 6.15-Weekly Parliamentary Review. 6.30-Saxophone Records. 6.45-News. 7.0-9.15-To be announced.

MOSCOW (No. 1) (Russia)

174 kc/s (1,724 m.); 500 kW. Transmits at intervals from 2.40 a.m. 4.25 p.m.-Opera Relay with English Commentary. 8.0-Economics (in German). 9.5-English Programme: Motor Transport Workers at the Microphone. 10.0-Hungarian Talk: Socialist Heroes.

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.-Symphony Orchestra. Conductor: Kloss. Marie Agathe Maechler (Soprano). 1.20-1.40-News. 2.40-For Children. 3.0-Markets. 3.10-Reading (Stahl). 3.30-Art Discussion. 3.50-Eise Lampmann (Contralto), Ernst Weber (Violin), and Margarete Weber (Pfte.). 4.30-Humorous Programme. 4.50-Markets. 5.0-See Stuttgart. 6.45-Talk: The Rehse Collection. 7.0-Time; News. 7.10-Carnival Programme by the Station Schrammel Quartet, the Schirmer Band and Others. 9.0-Time; News. 9.20-To be announced. 9.30-See Breslau. 10.20-11.0-Relay from the Olympia Ball in the Deutsches Theater.

OSLO (Norway)

260 kc/s (1,153.8 m.); 60 kW. Relayed by Fredrikstad, 776 kc/s (386.6 m.); Hamar, 519 kc/s (578 m.); Notodden, 1,357 kc/s (221.1 m.); Porsgrunn, 850 kc/s (352.9 m.); Rjukan, 1,348 kc/s (222.6 m.); and Trøndelag, 629 kc/s (476.9 m.). Transmits at intervals from 10.30 a.m. 4.0 p.m.-Station Ensemble. 5.0-Talk: Navigation. 5.30-Banjo Quintet. 5.50-News. 5.55-Local News. 6.0-Announcements. 6.15-Weather; News. 6.30-Time. 6.31-"El berretto a sonagli"-Play (Pirandello). 8.10-Foreign Affairs. 8.40-News. 9.0-Topical Talk. 9.15-9.45-Records: Symphony No. 2 in D (Beethoven). Vienna Philharmonic Orchestra. Conductor: Krauss.

PARIS (Eiffel Tower) (France)

1,456 kc/s (206 m.); 20 kW. Transmits at intervals from 8.0 a.m. 7.0 p.m.-News. 7.19-Time. 7.20-Foreign Affairs. 7.45-Records. 8.0-Home Affairs. 8.30-Records. 9.0-Lottery Results.

PARIS (Poste Parisien) (France)

959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m. 12.0 noon-Exchange. 12.5-12.25 p.m.-Waltz Records. 12.39-Orchestra. 2.0, 3.15, 3.45, 4.35 and 6.15-Exchange. 6.20-Topical. 6.27-Records. 6.42-Topical. 6.49-Records: "La Bohème" (Puccini). 6.57-Topical. 7.4-Sports. 7.10-News. 7.25-For Farmers. 7.32-Amusement Guide. 7.35-Records. 8.15-Max Régnier and Company. 9.5-Jean Sorbier (Songs). 9.20-"Follow the Guide"-Sketch (Diamant-Berber and Franc-Nohain). 9.40-Talk by Paul Reboux. 9.55-Paris Instrumental Quintet. Prelude and Songs (Ropartz). Suite (d'Indy). 10.30-Records. 11.0-11.15-Topical.

PARIS (PTT) (France)

695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.50 a.m. 4.0 p.m.-Hennebains (Organ). 4.30-Television. 5.0-Poulet Concert Orchestra. Conductor: Tomasi. Sicilienne (Boccherini). Minuet (Lully). Waltz, "The Sleeping Beauty" (Tchaikovsky). Réverie interrompue (Tchaikovsky). Russian Dance (Tchaikovsky). Suite poétique (Bloch). 5.30-For Gardeners. 5.37-Social Problems. 5.45-Art Review. 5.52-Talk. 6.0-Poulet Concert Orchestra. Marie Simon (Songs). Overture, To the Story of the Lovely Melusina (Mendelssohn). Romance (Rubinstein). Two Arias from Frauenlieben und -Leben (Schumann). Two Arias from "Le chevalier étranger" (Cras). 6.30-Topical. 7.20-News. 7.38-Poulet Concert Orchestra. Coronation March (Meyerbeer). The Crown of India (Elgar). Excerpts, "Griséïdis" (Massenet). 8.0-Economics. 8.15-Foreign Affairs. 8.23-Schumann Songs by Alice Raveau. Ich grolle nicht. Ich hab' in Traum geweint. 8.30-"Le malade imaginaire"-Comedy in Three Acts (Molière). 10.30-News.

PARIS (Radio-Paris) (France)

182 kc/s (1,648 m.); 80 kW. Transmits at intervals from 6.45 a.m. 6.45 a.m.-Gym. 7.0-Records. 7.15-News. 7.45-Gym. 8.0-Legal Talk. 8.15-Records. 11.0-Pasdeloup Concert Orchestra. Conductor: Vuillemoz. 12.0 noon-For Farmers. 12.15 p.m.-Time; Orchestra (cont'd). Wilhelmine Coudray (Songs). In the interval at 12.45: News; Review. 2.0-For Women. 2.15-Talk: Sixteenth Century Poets. 2.30-Mlle. Chanier (Songs). 2.45-Mme. Meunier-Delince (Songs). 3.0-Records: Marches. 3.30-Readings (de Maupassant). 3.45-Music Review by Wanda Landowska. 4.0-See Strasbourg. 5.0-The Week's Anniversaries. 5.10-Book Review. 5.25-Film Review. 5.30-Poulet Concert Orchestra. Conductor: Tomasi. Marie Simon (Songs). Symphonic Dances (Grieg). Impressions hindoues (Hansen). Three Songs (Cras): (a) La rencontre, (b) L'aveu, (c) La mort. 6.0-Economics. 6.30-Poulet Concert Orchestra (cont'd). Suite, "The Miracle" (Humperdinck). The Moldau (Smetana). Rêve au bord de l'eau (Schmitt). 7.5-See Vienna. 8.15-"La Traviata"-Opera (Verdi) from the Opéra. In the interval: News.

PRAGUE (Czechoslovakia)

638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.15 a.m. 3.10 p.m.-Dvorský and his Melody Boys. 4.0-For Children. 4.15-Talk. 4.25-Record. 4.30-For Schools. 4.40-Kopecký (Baritone). 5.0-For Farmers. 5.10-German Transmission: Educational Talk; Poems. 5.45-News in German. 5.55-Record. 6.0-Time. 6.15-English Lesson. 6.30-Orchestra. 7.0-Talk on the following Transmission. 7.5-Concert from the German Theatre. Male Voice Choir, Orchestra and Soloists. Overture, "Prometheus" (Beethoven). Kyrie, Gloria and Credo from the Mass in F minor (Bruckner). 8.0-Time; Talk. 8.20-Orchestra. 9.0-Time; News. 9.15-Record. 9.20-Russian Lesson. 9.35-Record. 9.40-10.0-Talk in German: The Prague Sample Fair.

RADIO-NORMANDIE (France)

1,113 kc/s (269.5 m.); 15 kW. 7.0 a.m.-Records. 7.20-News. 7.48-Racing. 7.53-For Housewives. 8.0-Records. 8.15-Time; Records. 8.30-Songs. 8.45-Light Music. 9.0-Time; Light Music. 9.30-Light Music. 9.45-Dance Music. 10.0-Symphony Orchestra. 11.0-Chansonnettes. 12.0 noon-Cello. 12.15 p.m.-Records. 12.45-News. 12.57-Light Music. 3.30-Records. 4.0-Tea-Time Hour. 4.45-Children's Corner. 5.0-Dance Music. 5.15-Bing Crosby Records. 5.30-Light Music. 6.0-For Children. 6.45-News. 7.0-Saint-Gest Music. 7.15-Sports. 7.30-Song Records. 7.45-News. 8.0-Talk. 8.10-Symphony Orchestra. 8.30-"Le malade imaginaire"-Comedy in Three Acts (Molière). 11.0-Dance Music. 11.30-News. 11.40-Cabaret. 12.0 m't-2.0 a.m. (Tuesday)-Dance Music. In the interval at 12.30: Time.

RADIO-ROMANIA (Brasov) (Romania)

160 kc/s (1,875 m.); 150 kW. See Bucharest.

ROME (Italy)

713 kc/s (420.8 m.); 50 kW. Relayed by Naples, 1,104 kc/s (271.7 m.); Bari (No. 1), 1,059 kc/s (283.3 m.); Bari (No. 2), Milan (No. 2), and Turin (No. 2), 1,357 kc/s (221.1 m.). Transmits at intervals from 6.45 a.m. 4.15 p.m.-Dance Records. 5.0-5.10-For Farmers; Corn Markets. 5.15-Talk. 5.50-Announcements. 6.0-Announcements; Tourist Talk (French). 6.20-News (English). 6.44-News (French). 7.5-Time; Announcements; Talk by Senator Davanzati. 7.15-News. 7.35-Naples University Students' Programme. 8.35-Talk: Ash Wednesday in Rome. 8.45-Symphony Concert. Conductor: La Rosa Parodi. Marcella Barzetti (Pfte.). Overture, "Le Baruffe Chiozzotte" (Sinigaglia). Concerto in C (Mozart). Siegfried Idyll (Wagner). Toccata in C (Bach-Weiner). In the interval: Talk. 10.0-News. 10.15-10.30-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. 11.40-1.0 p.m.-Records. In the interval at 12.0 noon: News. 3.29-Time. 3.30-See Beromünster. 5.0 till Cloze-Programme from Geneva. 5.0-For Women. 5.30-Esperanto Lesson. 5.40-Bridge. 5.55-Talk: Nineteenth Century Humour. 6.10-Records. 6.15-Music Review. 6.40-Wireless Notes. 7.0-Bach Recital by Montillet (Organ). Prelude and Fugue in B flat. Vater unser im Himmelreich. Fantasia on "Valet will ich dir geben". 7.25-"The Call of the Stars"-Play (Hernfeld). In the interval at 8.20: News. 8.50-9.20-Hot Jazz.

STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW. Relayed by Motala, 216 kc/s (1,389 m.); Göteborg, 941 kc/s (318.8 m.); Hörby, 1,131 kc/s (265.3 m.); and Boden, 392 kc/s (765 m.). Transmits at intervals from 6.20 a.m. 4.5 p.m.-Accordium Music. 4.30-The Practical Corner. 4.45-Records. 5.45-Theatre Talk. 6.15-News. 6.30-Talk. 7.0-Gerhard Hüsch (Baritone) from the Music Academy. Mahomet der Zweite (Freystädler). Die zu späte Ankunft der Mutter (Haydn). Dörnde (Graun). Aeol (Hiller). Adam (Mariottini). Four Songs (Mozart): (a) Abendempfindung, (b) Wohl tauscht ihr Vögelein, (c) Das Traumbild, (d) Komm, liebe Zither. Six Songs, An die ferne Geliebte (Beethoven). 7.50-Report. 8.5-Foreign Relay. 8.45-News. 9.0-10.0-Gunnar Andersson String Orchestra from Malmö. Prelude, "Marsk Stigs dotträr" (Söderman). Dance Rhythm (Anderberg). Hofballtänze (Lanner). Selection, "Show Boat" (Kern). Chanson triste (Tchaikovsky). Serenade (Haykens). Selection, Mignon (Thomas). To Spring (Grieg).

STRASBOURG (France)

859 kc/s (349.2 m.); 120 kW. Transmits at intervals from 6.45 a.m. 4.0 p.m.-Orchestra. Conductor: de Villers. Ballet (Gluck). Symphony No. 5 in B flat (Schubert). La forêt enchantée (d'Indy). Suite, Oedipe a Colonne (Ropartz). 5.0-Markets; Records. 6.0-Literary Review: Prince Eugene. 6.15-Debussy and Ravel Records. 6.45-Talk: Vienna. 7.0-Annette Brinkour (Contralto). Quella fiamma che m'accende (Marcello). Sento nel core (Scarlatti). Danza, danza (Durante). Four Songs (Nin). 7.30-Time; News. 7.45-News (German). 8.0-Press Review (German). 8.10-"Die Legende von der heiligen Elisabeth"-Oratorio (Liszt) from the Palais des Fêtes. Strasbourg Cathedral Choir and Municipal Orchestra. Conductor: Abbé Hoch. Alfred Jeger (Tenor), Erika Rokytka (Soprano), Louise Denbonte (Contralto).

STUTTGART (Germany)

574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.-Orchestra. 11.20-1.0 p.m.-See Hamburg. 1.0-2.0-See Deutschlandsender. 3.0-Orchestra, Soprano and Harp. 4.45-Experiences of a Metal Worker. 5.0-Variety. Wende Band, a Peasant Band, the Völkner Duo and Soloists. 6.45-Records, 7.0-News. 7.10-Popular Programme. Part I, "The Apprentice in Magic"-Variety by Herrmann (Bass-Baritone), the Völkner Duo, Mischa Ignatiev (Balalaika) and Others. Part II, Herrmann (Bass-Baritone) and the Station Orchestra. Conductor: Hahn. 9.0-Time; News. 9.30-Trio in B flat (Mozart). 10.0-See Deutschlandsender. 11.0-1.0 a.m. (Tuesday)-See Frankfurt.

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.15 a.m. 6.0 p.m.-Exchange. 6.5-Orchestra. 6.15-Chansonnettes. 6.30-Opera Music. 6.45-News. 6.50-Light Music. 7.10-Songs. 7.30-News. 7.45-Chansonnettes. 8.15-Sketch. 8.30-Concert. 8.50-Salon Orchestra. 9.0-"Simonde aux Iles"-Sketch. 9.35-Operetta Music. 9.45-Film Music. 10.0-Music-Hall. 10.30-News. 10.45-Opera Music. 11.0-Request Music. 11.15-Viennese Music. 11.30-Songs. 11.45-Light Music.

12.0 m't-Music Hall. 12.15 a.m. (Tuesday)-News. 12.20-12.30-Marches.

TURIN (No. 1) (Italy)

1,140 kc/s (263.2 m.); 7 kW. Relayed by Milan (No. 1), 814 kc/s (368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,222 kc/s (245.5 m.); Florence, 610 kc/s (491.8 m.); Bolzano, 536 kc/s (559.7 m.). Transmits at intervals from 6.45 a.m. 12.10 p.m.-Waltzes by the Malatesta Chamber Orchestra. 12.50-News. 1.0-1.25-For Housewives; Exchange. 3.20-Records. 3.35-For Children. 4.0-News. 4.15-Dance Music by the Spezialetti Orchestra. 4.55-Weather. 5.0-5.10-For Farmers; Corn Markets. 5.50-Announcements. 6.0-News in Foreign Languages. 7.5-Time; Announcements; Talk by Senator Davanzati. 7.15-News. 7.35-Variety. 8.15-Hunting Stories. 8.30-Choir. Conductor: Cresesini. Libera me (Lotti). Come l'aggio lasciato a vita mia (Azzio). La donna mia si chiama saporita (Azzio). Villanella alla napoletana (Donato). Oh, agnel di Dio! (Damerini). Canzonetta (Cresesini). Carillon (Cresesini). Stornello (Wof-Ferrari). 9.5-Talk: Fagioli at the Medici Court. 9.15-Nucci Quintet. Trio (Beethoven). String Quintet (Montani). 9.45-10.30-Dance Music. At 10.0-News (Italian, Spanish).

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Relayed by Graz and Linz, 886 kc/s (338.6 m.); Innsbruck, 519 kc/s (578 m.); Dornbirn, Klagenfurt, and Vorarlberg, 1,294 kc/s (231.8 m.); and Salzburg, 1,348 kc/s (222.6 m.). Transmits at intervals from 6.0 a.m. 3.5 p.m.-Anny Nikel (Pfte.), Herta Schachermeier-Martini (Violin) and Marie-Louise (Contralto). 4.0-Talk. 4.25-Records of Richard Fritz Wolf (Tenor). 4.50-Talk: Radio Technics. 5.10-Reference Books for the Week's Talks. 5.15-Theatre Review. 5.35-English Lesson. 6.0-Time; News. 6.20-Talk: Rationalisation. 6.40-Talk by Walter Nerst: My Graz Student Days. 7.5-"Das Lied von der Erde"-Symphony (Mahler), from the Concert House. Rosette Anday (Contralto), Henk Noort (Tenor) and the Vienna Symphony Orchestra. Conductor: Fried. 8.15-"Vienna"-Musical Sequence. 9.0-News. 9.10-Kunrth Quartet. Karnevals-Botschafter (Strauss). Lehár Potpourri (Hruby). Abend-Idyll (Fibich-Leopold). Old Viennese Folk Song (Macho). Styrian Folk Song (Macho). Diner-Walzer (Grünfeld). 9.45-Book Review. 10.0-News. 10.15-Quartet (cont'd). Selection, "Waltzes from Vienna" (Strauss-Bittner-Korngold). Potpourri (Dauber). Wiener Künstler (Schrammel). 10.45-12.0 m't-Fox 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.); Poznań 868 kc/s (345.6 m.); Torun, 986 kc/s (304.3 m.); and Wilno, 536 kc/s (559.7 m.). Transmits at intervals from 5.30 a.m. 10.57 a.m.-Time. 11.0-Fanfare. 11.3-News. 11.15-For Farmers. 11.25-Station Orchestra. Conductor: Gorzyński. 12.25-12.30-For Housewives. 2.15-News. 2.20-Exchange. 2.30-Squire Celeste Octet (Records). 3.0-German Lesson. 3.15 (from Lwów)-Variety. 3.58 (from Cracow)-Talk. 4.0-"Chess Players at a Bridge Party"-Sketch. 4.15-Poem (Kipling). 4.20-Records. 4.50 (from Cracow)-A Modern Dictionary. 5.0-Rosenbaum and Sulikowski (Pftes.). Sonata in D (Mozart). Les Eolides (Frank). 5.30-School Choir. 5.45-Announcements. 6.0-Talk on Economics. 6.10-Announcements. 6.50-Topical. 7.0-For Soldiers. 7.30-Wedding and Dance Songs by Jean Zulma and the Station Orchestra. Conductor: Nawrot. 7.50-News. 8.0-Poland To-day. 8.5-Chamber Orchestra from the Conservatoire. Conductor: Straszynski. Kowalski (Violin), Witas (Tenor), Rutkowski (Organ). Symphony in G (Vivaldi). Suite in A minor (Telemann). Violin and Orchestra: Overture (Bach). Concerto, Pariendo non gravaris (Szarynski). Organ Concerto in D minor (Handel). 9.0-Excerpts, "Thaetetus"-Dialogue (Plato). 9.30-Relay of Foreign Stations.

TUESDAY

February 18

5 p.m.

ATHLONE, 5.30—For Children.
BERLIN, See Munich. **BRESLAU**, See Munich. **BRUSSELS (1)**, Marie-Antoinette Bravaes (Pfte.)—Mendelssohn, Schubert, Chopin. 5.20—Haydn Records. 5.45—For Children. **BRUSSELS (2)**, Orchestra. 5.30—For Children. **BUDAPEST (1)**, Orchestra. 5.10—Talk. 5.40—Rosalinde von Schirach (Songs).
COLOGNE, See Munich.
DEUTSCHLANDSENDER, Classical Dances. 5.20—Review. 5.40—To be announced.
EIFFEL TOWER, Lecture from the Sorbonne.
FRANKFURT, See Munich.
HAMBURG, See Munich. **HILVERSUM (1,875 m.)**, For Children. 5.10—Talk. 5.40—Dance Music. **HILVERSUM (301.5 m.)**, K.R.O. Boys. 5.25—Records. 5.40—K.R.O. Melodists.
KALUNDBORG, Talk. 5.20—German Lesson. 5.50—Wireless Notes. **KÖNIGSBERG**, See Munich. 5.45—News.
LEIPZIG, Band. 5.50—Soldiers' Songs.
MOSCOW, 5.15—Reading. 5.45—Songs. **MUNICH**, Orchestra. Balaika Orchestra and Saxophone Quintet.
OSLO, Dance Music. 5.20—Talk. 5.50—News.
PARIS (PTT), Padeloup Concert Orchestra—Conductor: Tomasi. Doniau Blanc (Songs). 5.30—Talks. **PRAGUE**, Exchange. 5.10—German Talk, Songs, Orchestra. 5.45—News (German). 5.55—Record.
RADIO-NORMANDIE, Time, Dance Music. 5.15—Mandoline. 5.30—Records. **RADIO-PARIS**, English Lesson. 5.20—Shipping. 5.30—Padeloup Concert Orchestra, Conductor: Tomasi. Doniau Blanc (Songs).
SOTTENS, Book-keeping. 5.25—Records. **STOCKHOLM**, Records. 5.45—French Lessons. **STUTT-GART**, See Munich.
TURIN, For Farmers, Corn Prices. 5.50—Announcements.
VIENNA, Talk. 5.25—French Lesson. 5.50—Talk.
WARSAW, Pfte. 5.30—Literary Programme. 5.45—Announcements. 5.55—Letters.

STOCKHOLM, French Lesson. 6.30—Cabaret. **STRASBOURG**, 6.30—D'Indy Records. 6.45—Talk. **STUTT-GART**, See Munich. 6.45—A War Story.
TOULOUSE, Exchange. 6.5—Concert. 6.45—News. 6.50—Opera Music. **TURIN**, News in Foreign Languages.
VIENNA, Time, News. 6.30—Talk. **WARSAW**, 6.5—Announcements. 6.50—Talk.

7 p.m.

ATHLONE, Margaret Pigott (Lieder). 7.15—News in Irish. 7.25—Italian and French Opera—Station Orchestra and Singers.
BERLIN, News, Talk. 7.10—String Orchestra. Conductor: Steiner (Violin). **BEROMÜNSTER**, Concert. **BRESLAU**, News. 7.10—Community Singing. **BRNO**, 7.10—Orchestra. Conductor: Bakala. Holub (Violin). Grieg, Dvořák, Sevcik, Weber. **BRUSSELS (1)**, Roman Catholic Review. 7.15—To be announced. 7.30—Reviews. **BRUSSELS (2)**, Records. 7.30—Review. **BUCHAREST**, 7.5—Nino Rossi (Pfte.). 7.25—Talk. 7.45—“Prince Charming” (Popesco).
ATHLONE, 8.5—Debate—“Pigs, Pork and Prices.” 8.25—Concert.
BERLIN, See Königsberg. **BEROMÜNSTER**, News. 8.10—“Caro König”—Comedy (Metzger).
BRESLAU, “Der wilde Markgraf”—Historical Sequence (Schardt) with Music by Feist. **BRUSSELS (1)**, Symphony Orchestra. Con-

SOTTENS, Songs and Organ (contd.). 7.30—“Roland à Roncevaux”—Play (Chesse). **STOCKHOLM**, Cabaret. 7.10—“The Wind and the Rain”—Play (Merton Hodge). **STRASBOURG**, Orchestra. 7.30—Time, News. 7.45—News (German). **STUTT-GART**, News. 7.10—See Hamburg.
TOULOUSE, 7.5—Light Music, at 7.30: News. **TURIN**, 7.5—Time, Announcements, Talk. 7.15—News. 7.35—“Il Campiello” Three Act Opera (Wolf-Ferrari), from La Scala, Milan. Conductor: Marinuzzi.
VIENNA, Dance Music, Songs.
WARSAW, “The Guitar”—Monologue (Kar). 7.10—Szymanowski and Poradowski Concert—Symphony Orchestra. Conductor: Latoszewski. Uminska (Violin).

8 p.m.

ATHLONE, 8.5—Debate—“Pigs, Pork and Prices.” 8.25—Concert.
BERLIN, See Königsberg. **BEROMÜNSTER**, News. 8.10—“Caro König”—Comedy (Metzger).
BRESLAU, “Der wilde Markgraf”—Historical Sequence (Schardt) with Music by Feist. **BRUSSELS (1)**, Symphony Orchestra. Con-

Press Review. 8.45—Time. 8.46—Chansonniers. Part I. Carnival of Song. Part II. The Joys of February 18. **RADIO-ROMANIA**, See Bucharest. **ROME**, Choir (contd.). 8.20—“Vaiggio nel regno della fantasia”—One-Act Play (Felyne). **SOTTENS**, Play (contd.). 8.30—News. 8.40—Orchestra. Conductor: Haug. **STOCKHOLM**, “The Wind and the Rain” (contd.). **STRASBOURG**, Press Review (German). 8.10—Sextet (Beethoven). 8.30—See Paris (PTT). **STUTT-GART**, See Hamburg.
TOULOUSE, Concert. **TURIN**, “Il Campiello” (contd.). In the intervals: Talk.
VIENNA, Dance Music. 8.35—Reading.
WARSAW, News, Talk, Symphony Orchestra (contd.).

9 p.m.

ATHLONE, Concert. 9.15—Great Irish Inventions. 9.30—Variety.

PRINCIPAL EVENTS

SYMPHONY CONCERTS

- 7.10 Warsaw : Polish-programme.
 - 8.0 Brussels 1 : Schubert, Mozart, Debussy.
 - 8.45 Budapest 1 : Schubert's Fifth, etc.
 - 9.0 Poste Parisien : Colonne orchestra.
 - 9.10 Hilversum (1,875 m.) : Verdi's Requiem.
- ### LIGHT CONCERTS
- 12.15 Radio-Paris : Orchestra, songs.
 - 1.40 Hilversum (1,875 m.) : Orchestra, violin.
 - 1.50 Kalundborg : Radio orchestra.
 - 3.0 Deutschlandsender : Light orchestral.
 - 4.0 Radio-Paris : “Inter-allied” concert.
 - 5.0 Munich, etc. : Light music.
 - 6.15 Budapest 1 : Students' orchestra.
 - 6.30 Radio-Paris : Popular orchestral.
 - 7.25 Athlone : Opera music.
 - 8.40 Sottens : Casella, Satie, Milhaud.
 - 9.0 Stockholm : Orchestra, violin.
 - 9.10 Vienna : Lithuanian music.
 - 9.30 Hamburg, etc. : Popular programme.
 - 11.0 Frankfurt, Stuttgart : Russian music (records).
 - 11.15 Radio-Paris : Pascal orchestra.

OPERAS

- 7.10 Frankfurt, etc. : “Boris Godunov” (Mussorgsky), Act II.
- 7.10 Hamburg, etc. : “A Masked Ball.”
- 7.35 Turin : “Il Campiello” (Wolf-Ferrari).

8.30 Paris (PTT), etc. : Weber, Ravel, Rimsky-Korsakov, excerpts.

OPERETTA

8.0 Königsberg, Berlin : “Carnival in Rome” (Strauss), excerpts.

CHAMBER MUSIC

8.10 Strasbourg : Sextet (Beethoven).

9.20 Prague : Quartet (Mozart).

RECITALS

5.0 Brussels 1 : Pianoforte.
 5.50 Leipzig : Soldiers' songs.
 7.35 Rome : Italian songs.
 9.0 National : Dohnányi (pfte.).
 9.40 Königsberg : Pfte. sonata (Weber).

PLAYS

7.10 Stockholm : “The Wind and the Rain.”
 7.30 Sottens : “Roland à Roncevaux”
 8.0 Regional : “The High Road” (Lonsdale)
 9.0 Eiffel Tower : Drama evening.

LAST NEWS BULLETINS
 For Schedule see Monday.

DANCE MUSIC

6.30 Brussels 1 ; 9.0, Rome ; 9.30, Breslau ; 10.0, Budapest 1, Deutschlandsender, Kalundborg, Munich ; 10.5, Warsaw ; 10.10, Regional ; 11.0, Radio-Normandie ; 11.10, Hilversum (1,875 m.) ; 11.15, National.

MISCELLANEOUS

6.30 Stockholm : Cabaret.
 7.40 Hilversum (301.5 m.) : Revue.

BUDAPEST (1), Symphony Orchestra. 7.30—Cigany Band.
COLOGNE, News. 7.10—The Carnival Committee discusses its plans.
DEUTSCHLANDSENDER, Motto, News. 7.10—See Frankfurt.
EIFFEL TOWER, News. 7.10—Racing. 7.20—Foreign Affairs, Talks. 7.45—Records.
FRANKFURT, Time, News. 7.10—Act II, “Boris Godunov” (Mussorgsky). Conductor: Rosbald.
HAMBURG, News. 7.10—“A Masked Ball”—Opera (Verdi). Conductor: Schlemm. **HILVERSUM (1,875 m.)**, Children's Choir. 7.10—English Lesson. 7.40—Time, News. 7.50—Light Music—Lajos Orchestra and Choir. **HILVERSUM (301.5 m.)**, Records. 7.40—“The Laughing Comedians”—Revue (Bouwmeester).
KALUNDBORG, Time. 7.1—Fauré Songs, by Ebba Bjarnhof. 7.15—“The Unknown Warrior”—Tragedy in Three Acts (Raynal). **KÖNIGSBERG**, News. 7.10—Variety.
LEIPZIG, News. 7.10—See Frankfurt.
MONTE CENERI, Orchestra. Conductor: Casella, Abbado (Violin). **MOSCOW**, Songs. 7.15—Concert. **MUNICH**, News. 7.10—See Hamburg.
OSLO, Talk. 7.30—Orchestra.
PARIS (PTT), Review. 7.38—Orchestra (contd.). **POSTE PARISIEN** 7.5—News. 7.28—Talk. 7.35—Song Records. 7.50—Paris Programme. **PRAGUE**, Talk. 7.10—See Brno. 7.55—Literary Programme.
RADIO-NORMANDIE, Concert. 7.45—An Interview. 7.48—News. **RADIO-PARIS**, Orchestra (contd.). 7.30—Reviews. **RADIO-ROMANIA**, 7.5—See Bucharest. **ROME**, 7.5—Time, Announcements, Talk. 7.15—News. 7.35—Le Cantatrici Italiane (Women's) Choir.

ductor: André. Piette (Clarinet). Schubert, Mozart, Aurbert, Chabrier. **BRUSSELS (2)**, Light Music and Records. 8.45—Talk. **BUCHAREST**, Orchestra. At 8.30—News, Sports. **BUDAPEST (1)**, Cigany Band, 8.20—News. 8.45—Opera Orchestra. Conductor: Rajter.
COLOGNE, Carnival Committee (contd.).
DEUTSCHLANDSENDER, See Frankfurt.
EIFFEL TOWER, Home Affairs. 8.30—Sonata (Beethoven) by Doyen (Pfte.).
FRANKFURT, “Boris Godunov” (contd.).
HAMBURG, “A Masked Ball” (contd.). **HILVERSUM (1,875 m.)**, Light Music (contd.). 8.55—Talk. **HILVERSUM (301.5 m.)**, Revue (contd.).
KALUNDBORG, “The Unknown Warrior” (contd.). **KÖNIGSBERG**, Excerpts, “Carnival in Rome” (Strauss). Conductor: Wollner.
LEIPZIG, See Frankfurt. **LILLE**, Time. 8.1—Light Music, Dance Music. 8.30—See Paris (PTT).
MONTE CENERI, “The Ticinese and the Discovery of America”—Fantasia (Pietropaoli). **MOSCOW**, German Talks. **MUNICH**, See Hamburg.
OSLO, Orchestra. 8.45—News.
PARIS (PTT), Talks. 8.30—“Fairyl and Fantasy in Music”—National Orchestra, Raugel Choir and Soloists. Conductor: Inghelbrecht—Weber, Ravel, Rimsky-Korsakov. **POSTE PARISIEN**, Paris Programme. 8.15—Concert. **PRAGUE**, Literary Programme. 8.15—Orchestra.
RADIO-NORMANDIE, Light Music. 8.30—Interview. 8.35—Songs. 8.50 Records. **RADIO-PARIS**, English Books. 8.20—Humorous Stories,

BERLIN, News, Sports. 9.30—See Hamburg. **BEROMÜNSTER**, Comedy (contd.). **BRESLAU**, News. 9.30—Dance Band. **BRUSSELS (1)**, Talk. 9.15—La Damoselle élue (Debussy), with Introductory Talk. Conductor: André. **BRUSSELS (2)**, Light Music and Records. **BUCHAREST**, Orchestra. 9.45—News (French. German). 9.55—News. **BUDAPEST (1)**, Opera Orchestra (contd.).
COLOGNE, Time, News. 9.20—Shorthand Dictation. 9.30—Spanish Talk. 9.45—English Talk.
DEUTSCHLANDSENDER, News, Sports. 9.30—Trio in G (Haydn). Weinkauf Trio.
EIFFEL TOWER, Plays: (a) “La Rochefoucauld”—Dialogue (Mortier), (b) “La leçon de violon”—Play after Hoffmann (Castan).
FRANKFURT, Time, News. 9.30—See Hamburg.
HAMBURG, News. 9.30—Light Music and Folk Music. **HILVERSUM (1,865 m.)**, Talk. 9.10—Part II. Requiem (Verdi) by Hague Orchestra and Choir. Conductor: Diamant. Sluys (Soprano), Woud (Contralto), Ravelli (Bass). **HILVERSUM (301.5 m.)**, Revue (contd.).
KALUNDBORG, News. 9.15—Kálmán—Radio Orchestra. Conductor: Reesen. **KÖNIGSBERG**, News. 9.20—Review. 9.40—Sonata (Weber) by Aeschbacher (Pfte.).
LEIPZIG, News. 9.20—Henry von Heiseler Memorial Programme. **LILLE**, See Paris (PTT).
MONTE CENERI, Jazz Records. **MOSCOW**, 9.5—French Talk. **MUNICH**, Time, News, Sports. 9.20—To be announced.
OSLO, Talk. 9.15—Reading. 9.35—Singing Concert.
PARIS (PTT), “Fairyl and Fantasy in Music” (contd.). **POSTE PARISIEN**, Colonne Concert Orchestra. In the interval: Talk.

PRAGUE, News. 9.15—For Housewives. 9.20—Quartet in D (Mozart)—9.45—News (English).
RADIO-NORMANDIE, Variety.
RADIO-PARIS, Chansonniers (contd.). **RADIO-ROMANIA**, See Bucharest. **ROME**, Dance Music, Talk in the interval.
SOTTENS, Orchestra. **STOCKHOLM**, Glazunov, Schmitt, Rózsa—Orchestra. Conductor: Hellman, Gimpel (Violin). **STRASBOURG**, See Paris (PTT). **STUTT-GART**, Time, News, Sports. 9.20—Peter Zoegoe von Manteuffel Anniversary Programme. 9.35—Light Music and Folk Music from Hamburg.
TOULOUSE, Concert Version, “Il Trovatore”—Opera (Verdi). 9.35—Tangos. 9.50—Hawaiian Guitar. **TURIN**, “Il Campiello” (contd.). In the interval: News (Italian, Spanish).
VIENNA, News. 9.10—Lithuanian Independence Day—Lithuanian Music (Records). 9.40—Questions and Answers. 9.50—News. **WARSAW**, Orchestra (contd.). 9.30—Talk. 9.45—Talk (Esperanto).

10 p.m.

ATHLONE, Variety. 10.30—News, Light Music.
BERLIN, See Hamburg. **BRESLAU**, Dance Band. **BRUSSELS (1)**, News. 10.10—Records. 10.55—Christus Vincit (Liszt). **BRUSSELS (2)**, News. 10.10—Records. **BUDAPEST (1)**, Jazz Band.
DEUTSCHLANDSENDER, Dance Band.
EIFFEL TOWER, Plays (contd.).
FRANKFURT, See Hamburg.
HAMBURG, Light Music and Folk Music (contd.). **HILVERSUM (1,875 m.)**, Requiem (contd.). 10.10—Records. 10.20—Revue. **HILVERSUM (301.5 m.)**, Revue (contd.). 10.10—News. 10.15—Records.
KALUNDBORG, Dance Band. **KÖNIGSBERG**, 10.5—Light Music and Folk Music from Hamburg.
LEIPZIG, Henry von Heiseler Memorial Programme. 10.20—Light Music from Hamburg. **LILLE**, See Paris (PTT). 10.30—News.
MOSCOW, Dutch Programme. **MUNICH**, Dance Band.
PARIS (PTT), “Fairyl and Fantasy in Music” (contd.). 10.30—News. **POSTE PARISIEN**, Orchestra (contd.). 10.30—Records.
RADIO-NORMANDIE, Variety. **RADIO-PARIS**, Chansonniers (contd.). 10.45—Time. 10.46—Dance Music. **RADIO-ROMANIA**, See Bucharest. **ROME**, News.
STRASBOURG, See Paris (PTT). **STUTT-GART**, See Hamburg.
TOULOUSE, 10.5—Dance Music. 10.15—Film Music. 10.30—News. 10.45—Viennese Orchestra. **TURIN**, “Il Campiello” (contd.).
VIENNA, 10.5—Bach Pfte. and Organ Music by Schütz. 10.35—Light Music.
WARSAW, Weather. 10.5—Dance Records.

11 p.m.

BUDAPEST (1), 11.5—News.
FRANKFURT, Records of Russian Music.
HILVERSUM (1,875 m.), Revue. 11.10—Dance Music. **HILVERSUM (301.5 m.)**, Records.
KALUNDBORG, Time, Dance Music.
MOSCOW, Catalan Programme.
RADIO-NORMANDIE, Dance Music. 11.30—News. 11.40—Cabaret.
RADIO-PARIS, Dance Music. 11.15—Pascal Orchestra.
STUTT-GART, See Frankfurt.
TOULOUSE, Humorous Scenes. 11.15—Music.
VIENNA, Light Music.

12 midnight

FRANKFURT, Records (contd.).
MADRID (EAJ7), Chimes.
RADIO-NORMANDIE, Dance Music. At 12.30, Time. **RADIO-PARIS**, Light Music.
STUTT-GART, See Frankfurt.
TOULOUSE, Music-Hall. 12.15—News. 12.20—Orchestra.

1 a.m. (Wednesday)

RADIO-NORMANDIE, Dance Music.

TUESDAY (February 18)

NATIONAL

For Time Signals, see Monday
10.15 a.m. (Droitwich)—Service.
10.30 (Droitwich)—Weather Forecast.
10.45—The Cook's Morning—An American's Economical Recipes—Mrs. Bragg Gillespie.
11.0—Cinema Organ (Sidney Torch).
11.30—For the Schools: Tracing History Backwards—Stephen King-Hall.
11.50—Parker Crook Trio.
12.30 p.m.—Miscellaneous Records.
1.0—BBC Welsh Orchestra.
2.0 (Scottish)—See Regional.
2.5 (ex. Scottish)—For the Schools: Nature Study. 2.30—English.
2.50—Norris Stanley Sextet.
3.35 (ex. Scottish)—For Schools: Early Stages in French.
3.35 (Scottish)—Song Recital.
4.0—Off Duty—Talks for Listeners at Leisure in the Afternoon.
4.20—New English String Quartet; Joyce Newton (Contralto); Quartet in E flat (Haydn); Songs: Gestillte Sehnsucht, Geistliches Wiegenlied (Brahms), Epitaph (Besly), The Faun (Bantock); Quartet (Bax).
5.15—BBC Dance Orchestra.
6.0—"The First News."
6.30—Foundations of Music. Brahms: Early Songs, sung by John Armstrong (Tenor).
6.55—French Language—E. M. Stéphan.
7.30—If Plato Lived Again (4)—R. H. S. Crossman.
8.0—Victorian Melodies (6). Produced and conducted by Stanford Robinson. Men's Chorus and Theatre Orchestra.
9.0—Ernst von Dohnányi (Pfte.). Sonata in A (Mozart), Andante in F (Beethoven), Rhapsody in C (Dohnányi).
9.30—"The Second News."
10.0—Conquest of the Air (1)—"Cheap Speed"—Major R. H. Thornton.
10.20—Nelson Keys in "The February Revue for 1936," with Arthur Marshall, Hermione Gingold, C. Denier Warren, Patrick Waddington, Norah Howard, The Radio Three, Rae Jenkins, Joan Carr; Harry Bidgood and his Revue Orchestra.
11.15-12.0 (Droitwich)—Dance Music.

REGIONAL

For Time Signals, see Monday
10.15-10.45 a.m. (except Midland)—Droitwich.
10.45—New Victoria Cinema Orchestra.
11.45—Records.
12.15 p.m.—Leicester—Opera House Orchestra.
1.15—Margaret Maddison (Pfte.); Laurence Holmes (Baritone).
2.0 (ex. Scottish)—Birmingham Theatre Royal Orchestra.
2.0 (Scottish)—For Schools: Test. 2.5—Drama. 2.30—French.
3.0 (Northern till 4.0)—Torquay Municipal Orchestra; Marie Rodker (Contralto).
4.0 (Northern)—Evensong from York Minster.
4.30 (Northern from 4.45)—Records.
5.15—Children's Hour.
6.0—"The First News."
6.30 (Regional, N. Ireland)—Cinema Organ.
6.30 (Midland)—BBC Midland Orchestra; Frances Morris (Soprano).
6.30 (Western)—Welsh Variety.
6.30 (Northern)—"News of the North."
6.30 (Scottish)—Gaelic Lesson.
6.50 (Regional)—Vario Trio.
6.50 (Northern)—Dance Band.
6.50 (N. Ireland)—Orchestra.
6.50 (Scottish)—Soprano Recital.
7.10 (Western)—Welsh Talk.
7.10 (Scottish)—"S" Stands for... Music from the Movies with Louis Levy and his Symphony, and "Elizabeth" and Robert Ashley.
7.30 (N. Ireland)—Variety.
7.45 (Northern)—Liverpool Philharmonic; Eileen Joyce (Pfte.).
8.0 (ex. Northern)—"The High Road"—A Comedy by Frederick Lonsdale, produced by Howard Rose.
8.50 (Northern)—"The Mainstay"—A Radio Play by Margery Barwick.
9.15 (Regional)—Fred Hartley and his Quintet; Brian Lawrence.
9.15 (Midland)—Variety.
9.15 (Western)—Welsh Reading.
9.15 (N. Ireland)—Orchestra.
9.15 (Scottish)—Burnett Choir.
9.30 (Western)—Welsh Story.
9.40 (Northern)—"Music of the Isles."
10.0—News Summary.
10.10-12.0 (Midland till 11.15; Scottish from 10.20)—Dance Music.
10.10 (Scottish)—News Bulletin.

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 60 kW. Relayed by Dublin, 1,348 kc/s (222.6 m.); and Cork, 1,240 kc/s (241.9 m.).
1.30-2.30 p.m.—Records. 5.30—For Children. 6.15—"Leighas an t Staidinain"—Comedy in Irish. 6.30—Newcomer's Hour. 6.45—News. 7.0—Margaret Pigott—Lieder. 7.15—News in Irish. 7.25—Italian and French Opera. Station Orchestra and Singers. 8.5—Debate: Pigs, Pork and Prices (J. J. Bergin and Mr. Deemster). 8.25—Concert by Pupils of the Ursuline Convent, Waterford. 9.15—Great Irish Inventions No. 1. 9.30—Variety. 10.30—What happened to-day: Light Music. 11.0—National Anthem.

BARCELONA (EAJI) (Spain)

795 kc/s (377.4 m.); 7.5 kW. Transmits at intervals from 7.15 a.m. 9.0 p.m.—Chimes: Weather. 9.5—Variety. 9.35—Station Orchestra. 10.5—News. 10.20—Serra Music by Rosaura Coma (Pfte.). 10.50—Carmen Bau Bonaplata (Soprano). 11.20—Orchestra Selection, "The Bayadère" (Kálmán). 11.40—Records. 12.0 m't—News.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Leipzig. In the interval at 12.0 noon: Midday Echoes.



Stage Photo Company

A scene from

"The Wind

and the Rain,"

which

Stockholm

broadcasts

at 7.10 p.m.

1.0 p.m.—News. 1.15—Light Music—Bund Band. 2.0-2.30—Weather; Exchange; Markets. 3.0—Kaan (Violin), Thon (Musical Saw), the Hansen Brothers and Hildegard Fiedler (Pfte.). 3.30—Sports Talk. 4.0—Valeska Burgstaller (Pfte.). 4.30—"Matthias Claudius"—Sequence (Koch).
5.0—See Munich. 6.45—Evening Echoes. 7.0—News; Topical Talk. 7.10—Station String Orchestra. Conductor: Steiner (Violin). An den Frühling (Grieg). Herzwunden (Grieg). Violin: Russian Folk Song. Sérénade mélancolique (Tchaikovsky). Hungarian Melody, Ilona (Tauber). Leise klingt eine Melodie (Richardt). Tango, Rizo rubio (Garbo). Folk Song, Spinn, spinn. March, Wien bleibt Wien (Schrammel).
8.0—See Königsberg. 9.0—News; Sports Notes.
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 a.m.—Gym. 9.20-9.50—For Schools. 11.0—Records: Italian and German Overtures. 11.29—News. 11.40—See Monte Ceneri. 12.10 p.m.—Records. 12.25-12.35—Exchange; For Housewives.
3.0—Operetta Music. Conductor: Gilbert.
3.30-5.0—See Sottens. 5.0—Records. 5.30—For Young People. 6.0—Time; Weather. 6.5—Talk: Peter Egger, the Alpinist. 6.20—French Lesson. 7.0—Concert. 8.0—News. 8.10-9.40—"Caro König"—Comedy (Metzger).

BRATISLAVA

(Czechoslovakia)
1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 5.15 a.m. 7.55 p.m.—"Good Women"—Comedy (Kunst) after Francis Bret

Harte. 8.15—See Prague. 9.15—News (Hungarian). 9.30-10.0—Records.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz, 1,231 kc/s (243.7 m.).
Transmits at intervals from 4.0 a.m. 11.0 a.m.—See Leipzig. In the interval at 12.0 noon—News. 1.0 p.m.—News; Exchange.
1.15—Variety from Deutschlandsender. 2.0—For Farmers. 2.10—For Women. 2.30—For Children. 3.0—The Peter String Quartet. Quartet in A (Mozart). Quartet in A minor (Schubert).
3.40—Jungle Tales. 4.0—Schrammel Music. 4.30—Talk. 4.40—Topical Talk. 4.50—Announcements; For Farmers.
5.0—See Munich 6.45—Talk: The D. A. F. Training Centre in Hirschberg. 7.0—News.
7.10—Community Singing.
8.0—"Der wilde Markgraf"—Historical Sequence (Schartl), with Music by Feist. Conductor: Rau. 9.0—News.
9.30-11.0—Station Dance Band.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.15 a.m. 7.10 p.m.—Station Orchestra. Conductor: Bakala. Holub (Violin). Excerpts, "Sigurd Jorsalfar" (Grieg). Legend (Dvořák). Violin:

Czech Dances (Sevcik). Invitation to the Dance (Weber).
7.55—Talk 8.15-10.0—See Prague

BRUSSELS (No. 1) (Belgium)

620 kc/s (483.9 m.); 15 kW. 6.37-9.0 a.m.—Records; News; Gym. 12.0 noon—Operetta Records. 12.30 p.m.—Light Music. In the interval at 1.0: News. 1.30—Opera Records. 2.0-2.45—For Schools. 4.55—News.
5.0—Marie-Antoinette Brewaeys (Pfte.). Rondo capriccioso (Mendelssohn). Moment musical (Schubert). Ballad in G minor (Chopin).
5.20—Records: Quartet in E minor (Haydn), by the International String Quartet. 5.45—For Children. 6.20—Literary Review.
6.30—Brenders Dance Band. 7.0—Roman Catholic Review. 7.15—To be announced. 7.30—Radio and Legal Reviews.
8.0—Symphony Orchestra. Conductor: Franz André. Piette (Clarinet). Unfinished Symphony (Schubert). Clarinet Concerto (Mozart). Habanera (Aubert). Three Romantic Waltzes (Chabrier). 9.0—Talk: Radio Interference.
9.15—La Damoselle élie (Debussy). Jean Thys, Suzanne Danco, Marie Vincette, Andrée Vandendriessche, Yvonne Streulens and Symphony Orchestra. Conductor: André. Introductory Talk.
10.0—News. 10.10—Records. 10.55—Christus Vincit (Liszt).

BRUSSELS (No. 2) (Belgium)

932 kc/s (321.9 m.); 15 kW. Programme in Flemish.
6.37-9.0 a.m.—Records; News; Gym. 12.0 noon—Records. 12.31—Station Cigány Band. Conductor: Feron. 1.0—News. 1.10—Cigány Band (cont'd.). 1.30—Records. 2.0—Shipping. 2.2-2.45—For Schools.
4.55—News. 5.0—Radio Orchestra. Conductor: Gason. 5.30—For Children. 6.15—Records. 6.45—Talk. 7.0—Records. 7.30—Science Review.

8.0—Light Music. Conductor: Walpot. Viennese Waltz Potpourri (Joh. Strauss). Records: "The Gipsy Baron" (Joh. Strauss), by Tauber and Choir. Selection, "La belle Hélène" (Offenbach). Records (Schubert). Selection, "Frasquita" (Lehár).
8.45—Talk; The Socialist Press.
9.0—Light Music (cont'd.). Overture, "Martha" (Flotow). Record: Selection, "Countess Maritza" (Kálmán). Record. Overture, "Le Grand Mogol" (Audran). Records. Selection, "Wonder Bar" (Katscher).
10.0—News. 10.10-11.0—Records.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania (Brasov), 160 kc/s (1,875 m.).
Transmits at intervals from 10.30 a.m. 6.0 p.m.—News; Art Notes. 6.15—Records: Excerpts, "Pelléas et Mélisande" (Debussy). 7.5—Rossi (Pfte.). 7.25—Educational Talk.
7.45—Symphonic Poem: "Prince Charming" (Popesco). In the interval: News. 9.45—News (French, German, Romanian). 10.0-11.0—Restaurant Concert.

BUDAPEST (No. 1) (Hungary)

546 kc/s (549.5 m.); 120 kW. 9.20 a.m.—Talks. 11.5—Records. 12.0—News; Records. 12.20 p.m.—Time; Weather. 12.30—Symphony Orchestra. Conductor: Melles. 1.40—For Housewives. 3.10—For Women. 3.45—Time; Weather. 4.0—Talk: Kosztolányi. 4.20—Radio Salon Orchestra. 5.10—Film Talk. 5.40—Rosalinde von Schirach (Songs). 6.15—Budapest Medical Students' Symphony Orchestra. Conductors: Radnóthy and Csanády. 7.30—Imre Magyar Cigány Band. 8.20—News. 8.45—Opera Orchestra. Conductor: Rajter. Comic Overture (Poot). Partita (Jarger). Birds of Rhiamon (Halbrooke). Fifth Symphony in B flat (Schubert).
9.15—Weather. 10.0—Eröss-Sovinszki Jazz Band. 11.5—News.

BUDAPEST (No. 2) (Hungary)

359.5 kc/s (834.5 m.); 20 kW. 4.0 p.m.—Station Salon Orchestra. 5.10—French Lesson. 5.40—For Farmers. 6.20—Závodszy (Songs).

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 5.0 a.m. 10.40 a.m.—"The Workers and the Reich"—Talk by Dr. Ley on the coming D.A.F. Elections, relayed from the Krupp Works, Rheinhausen. 11.0—See Leipzig. 1.0 p.m.—News. 1.15-2.0—Variety from Deutschlandsender. 2.45—Exchange.
3.0—"Out of Doors"—Sequence with Music (Kahlhaas). 4.45—Talk: Careers.
5.0—See Munich. 6.45—Snapshots. 7.0—News.
7.10—Carnival Programme. Meetings of the Ladies' and Gentlemen's Committees. 9.0—Time; News. 9.20—Shorthand Dictation. 9.30—Spanish Talk. 9.45-10.0—English Talk.

DEUTSCHLANDSENDER

(Germany)

191 kc/s (1,571 m.); 60 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Light Music. 12.45 p.m.—News. 1.0—Variety. 2.0—Announcements. 2.15—For Women. 2.45—Topical.
3.0-4.50—Station Orchestra and Soloists. Conductor: Dobrindt. At 3.50—Humorous Stories.
4.50—Classical Dances. Terese Petzko-Schubert (Violin) and Beck (Pfte.). Musette (Rameau). Sicilienne and Rigaudon (Francoeur). Miuuet (Mozart). Rondino (Beethoven). Hungarian Dance (Brahms). Tarentella (Wieniawski).
5.20—Political Press Review. 5.40—To be announced.
6.0—Orchestra from Munich. 6.45—Evening Echoes. 6.55—Talk. 7.0—Motto. News.
7.10—See Frankfurt. 9.0—News. 9.30—Trio in G (Haydn) by the Wein-kauf Trio.
10.0-11.0—Gaden Dance Band.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Relayed by Cassel, Coblenz, Freiburg, Kaiserslautern and Trier, 1,195 kc/s (251 m.).
Transmits at intervals from 5.0 a.m. 10.40 a.m.—See Cologne.
11.0—See Leipzig. 1.0 p.m.—News. 1.10—Variety from Deutschlandsender. 2.0—Talk: Unbreakable Glass. 2.10—Exchange. 2.15—Ballads by Strienz (Bass). 2.45—Literary Competition.
3.0—Hessian Musical History—The Abbé Vogler (1749-1814). Elfriede Buck (Contralto) and Merten (Organ), with Commentary by Müller-Blattau.

3.50—Folk Music for Mouth-Organ, Guitar, Zither and Accordion. 4.30—Private Enterprise or Co-operation—Sequence.
5.0—See Munich. 6.45—Topical. 6.55—Exchange; Announcements. 7.0—Time; News.
7.10—Act II, "Boris Godunov" (Mussorgsky). Station Choir and Orchestra. Conductor: Rosbaud.
9.0—Time; News.
9.30—See Hamburg.
11.0-1.0 a.m. (Wednesday)—Records of Russian Music. Part I. Folk Songs. Part II. Night on the Bare Mountain (Mussorgsky). Part III. Ballet, "The Fire-bird" (Stravinsky).

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.).
Transmits at intervals from 5.0 a.m. 11.0 a.m.—Orchestra from Leipzig. 1.0 p.m.—News. 1.20—Light Music. 2.0—Shipping.
3.0—Operetta Music. 4.0—Books. 4.15—Variety.
5.0—See Munich. 5.45—Harbour Notes. 6.0—Songs. 6.30—Reading. 6.45—Talk. 7.0—News.
7.10—"A Masked Ball"—Opera (Verdi). Station Choir and Orchestra. Conductor: Schlemm. 9.0—News. 9.30-11.0—Light Music and Folk Music. Dance Band and Mandoline Band. Conductor: Gebhardt. Hoffmann (Balalaika). Overture, Fest der Infanten (Gebhardt). Waltz, Gold and Silver (Lehár). March, Mit heiterem Sinn. Mazurka (Sartori). Harlequin Serenade (Schmalstich). Preobraschenki March. Russian Troika Song. Excerpts, "Das Blumenwunder" (Künneke). Fantasy, Prime Rose (Sartori). March (Schuppe). Chant sans Paroles (Tchaikovsky). Perpetuum mobile (Strauss). Polonaise, Polacca brillante (Andreev). Russian Gipsy Melody (Michailov). Miuuet and Mazurka (Rust). Waltz, Over the Waves (Rosas). Hungarian Dance (Köpp). Two Russian Folk Dances. March (Blon).

HILVERSUM (1,875 m.)

(Holland)

160 kc/s; 10 kW until 2.40 p.m. 100 kW from 2.40 p.m.
A.V.R.O. Programme.
7.40 a.m.—Records. 8.40—Cantor. Orchestra. 9.40—Service. 9.55—Records. 10.10—Orchestra (cont'd.). 10.40—Talk. 11.10—Lajos Orchestra. 12.25 p.m.—Records.
12.40—A.V.R.O. Orchestra. Conductor: van Raalte. 1.25—Records. 1.40—A.V.R.O. Orchestra. Conductor: van Raalte. Mme. Buysse Rolien (Violin). 2.40—Dressmaking. 3.45—Dienie Kooiman (Pfte.). 4.10—Children's Choir. Conductor: Hamel. 4.40—Tales for Children. 5.10—V.P.R.O. Talk. 5.40—Dance Music—A.V.R.O. Decibels. Conductor: Meenk. 6.10—R.V.U. Talk. 6.40—For Children. 6.45—Children's Choir. 7.10—English Lesson. 7.40—Time; News. 7.50—Light Music—Lajos Orchestra; Choir. 8.55—Talk.
9.10—Part II, Requiem (Verdi) by The Hague Orchestra and Choir. Conductor: Diamant. To v.d. Sluis (Soprano). Annie Woud (Contralto). Ravelli (Bass). 10.10—Records. 10.20—Revue.
11.10-11.40—Dance Music—A.V.R.O. Decibels. Conductor: Meenk.

HILVERSUM (301.5 m.)

(Holland)

995 kc/s; 15 kW until 2.40 p.m. and 60 kW from 2.40 p.m.
7.40 a.m.-3.40 p.m.—K.R.O. Programme. 7.40-8.55 a.m.—Records. 9.40—Records. 10.10—Concert. 10.40—Records. 11.10—Religious Talk. 11.40—Police Messages; Records. 12.10 p.m.—K.R.O. Orchestra. Conductor: van 't Woud. 2.40—For Women.
3.40—H.I.R.O. Programme. 4.50—K.R.O. Boys. Conductor: Lustenhower. 5.25—Records. 5.40—K.R.O. Melodists. Conductor: Lustenhower. 6.20—Esperanto Lesson. 6.40—Announcements; Talk; Records.
7.40—"The Laughing Comedians"—Revue (Bouwmeester). 10.10—News. 10.15-11.40—Records.

KALUNDBORG (Denmark)

238 kc/s (1,261 m.); 60 kW. Relayed by Copenhagen, 1,176 kc/s (255.1 m.).
Transmits at intervals from 6.0 a.m. 11.0 a.m.—Magnussen String Ensemble. 1.0 p.m.—For the Unemployed. 1.30—Dialect Reading. 1.50—Radio Orchestra. Conductor: Grandahl. Ellen Madsen (Songs). 3.50—For Children. 4.35—Exchange; Markets. 4.45—Poem. 4.50—Talk. 5.20—German Lesson. 5.50—Wireless

Notes. 6.0—News. 6.15—Talk. 6.30—Talk: The Stachanov Movement and the Soviet Five-Year Plan. 7.0—Time; Fauré Songs by Ebba Bjarnhof. En prière. Les berceaux. Les roses d'Isaphan. Après un rêve. Adieu. 7.15—"The Tomb beneath the Arc de Triomphe"—Tragedy in Three Acts (Raynal) in Danish. 9.0—News. 9.15—Kálmán Concert by the Radio Orchestra. Conductor: Reesen. Excerpt, "Countess Maritza." Waltz, "The Gipsy Princess." Selection, "The Circus Princess." Excerpts, "The Duchess of Chicago." March, "Der Teufelsreiter." 10.0-11.30—Juhl-Thomsen Dance Band from the National Scala. At 11.0—Time; 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 4.3 a.m. 11.0 a.m.—See Leipzig. 1.30 p.m.—News. 1.15—For Housewives. 1.30—Hans Bund Band. 2.0—Markets. 2.10—For Children. 2.35—Talks. 3.0—Börschel Orchestra. At 3.40: Sports. 4.10—Irma Drummer (Contralto). 4.30—Talk. 4.50—Markets. 5.0—See Munich. At 5.45: News. 6.45—Topical. 7.0—News. 7.10—"Satire"—Variety with Betty Sedlmayr. 8.0—Excerpts, "Carnival in Rome"—Operetta (Strauss). Station Choir, Orchestra and Soloists. Conductor: Wölner. 9.0—News. 9.20—Political Press Review. 9.40—Sonata (Weber) by Aeschbacher (Pfte.). 10.5-11.0—Light Music and Folk Music from Hamburg.

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.—Station Orchestra and EmDe Orchestra. 1.0 p.m.—News. 1.15—Variety from Deutschlandsender. 2.0—Anniversaries. 2.5-2.20—Book Review. 2.50—Exchange. 3.0—For Boys. 3.20—Songs and Pfte. Sonata (Welter). 4.0—Exchange. 4.10—Talk. 4.30—Music. 4.40—Talk: The Ancient Olympia. 5.0—Band. 5.50—Soldiers' Songs. 6.35—Talk: Musorgsky. 6.55—Topical. 7.0—News. 7.10—See Frankfurt. 9.0—News. 9.20—Henry von Heiseler Memorial Programme. Poems. A Story. Scenes from "Der junge Parsifal." Scene from "Die Kinder Godunows." 10.20-11.0—Light Music and Folk Music from Hamburg.

LILLE (Radio PTT Nord) (France)

1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.50 a.m. 7.0—Station Orchestra. Conductor: Soret. 8.0—Time. 8.1—Light Music and Dance Music. 8.30—See Paris (PTT). 10.30—News.

MADRID (EAJ7) (Spain)

1,095 kc/s (274 m.); 10 kW. Transmits at intervals from 8.0 a.m. 9.0 p.m.—Carmita Burguete and Conchita Mauri (Songs). 10.0—Chimes; News; Station Sextet. 11.15—Dance Music. 11.45—News. 12.0 m't—Chimes.

MONTE CENERI (Switzerland)

1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 11.0 a.m. 11.40—"Unfamiliar Operas of the Great Composers." Radio Orchestra. Conductor: Casella. 12.10-12.30 p.m.—Records. 3.30-5.0—See Sottens. 6.0—Records. 6.15—Medical Talk. 6.30—Opera Records of Lionello Cecil (Tenor). 6.45—News. 7.0—Radio Orchestra. Conductor: Casella. Abbado (Violin). Overture, La Vestale (Spontini). Violin Concerto in D minor (Tartini-Pente). Suite, Antiche danze ed arie (Respighi). First Movement, Violin Concerto in D (Paganini-Polo). 8.0—"The Ticiness and the Discovery of America"—Fantasy (Pietropaoli). 9.0-9.15—Jazz Records.

MOSCOW (No. 1) (Russia)

174 kc/s (1,724 m.); 500 kW. Transmits at intervals from 2.40 a.m. 5.15 p.m.—Reading (Feuchtwänger). 5.45—Ioméchov (Songs). 7.15—Concert. 8.0—German Programme: (a) Talk on the Ukraine; (b) Questions and Answers. 9.5—French Talk: Soviet Democracy. 10.0—Dutch Programme: (a) Talk on Soviet Democracy; (b) Questions and Answers; News. 11.0—Catalan Programme: (a) Lenin and Stalin; (b) Foreign Affairs; (c) A Catalan Worker at the Microphone.

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 Leipzig. In the interval at 12.0 noon: Time; News. 1.20-1.40—News. 2.40—Report of the Drought in 1784. 3.0—Weather; For Farmers. 3.10—For Women. 3.50—Beethoven—Station Orchestra. Conductor: Winter. Emmy Braun (Pfte.). Overture, "King Siephan." Pfte. Concerto in G. 4.30—Book Review. 4.45—Call of Youth. 4.50—Time; Weather; For Farmers. 5.0—Station Orchestra—Conductor: Kloss. "Rondina" Balalaika Orchestra and Saxophone Quintet. 6.45—Talk: Filming Things Invisible to the Naked Eye. 7.0—News. 7.10—See Hamburg. 9.0—Time; News; Sports Notes. 9.20—To be announced. 10.0-11.0—Station Dance Band. Conductor: Aulich.

OSLO (Norway)

260 kc/s (1,153.8 m.); 60 kW. Relayed by Fredrikstad, 776 kc/s (386.6 m.); Hamar, 519 kc/s (578 m.); Notodden, 1,357 kc/s (221.1 m.); Porsgrund, 850 kc/s (352.9 m.); Rjukan, 1,348 kc/s (222.6 m.); and Trøndelag, 629 kc/s (476.9 m.). Transmits at intervals from 10.30 a.m. 4.15 p.m.—Modern Dance Music—Kristian Hauger Orchestra. 5.20—Talk. 5.50—News. 6.0—Announcements. 6.15—Weather. 6.30—Time. 6.31—Report. 7.0—Talk: The Norwegian Government. 7.30—Station Orchestra. Conductor: Kramm. Overture, "The Thieving Magpie" (Rossini). Delibes Potpourri (Urbach). Song of the Nightingale (Filipowsky). Variations on In Cellar Cool (Young). Selection, "Die Welt im Lied" (Intrator). Lo, here the Gentle Lark (Bishop). Chal Romano (Ketselbey). March Potpourri (Olsen). 8.40—Weather. 8.45—News. 9.0—Topical. 9.15—Reading. 9.35-10.0—Singing Concert.

PARIS (Eiffel Tower) (France)

4,456 kc/s (206 m.); 20 kW. Transmits at intervals from 8.0 a.m. 5.15 p.m.—Lecture by M. Ascoli from the Sorbonne; Victor Hugo and the Theatre. 6.45—Theatre Talk. 7.0—News. 7.10—Weather Racing. 7.20—Foreign Affairs; Science Talk. 7.35—Talk: The Antilles. 7.45—Records. 8.0—Home Affairs. 8.30—Sonata (Beethoven), by Doyen (Pfte.). 9.0—Plays: (a) "La Rochefoucauld"—Dialogue (Mortier), (b) "La leçon de violon"—Play after Hoffmann (Castan).

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—An Interview. 12.35—Exchange. 12.39—Records. 2.0, 3.15, 3.45, 4.35 and 6.15—Exchange. 6.20—Religious Address. 6.35—Bach Song Records. 6.45—Topical. 6.55—Records. 7.5—News. 7.28—Legal Talk. 7.35—Song Records. 7.50—Paris Programme. 8.15—Concert. 9.0—Colonne Concert Orchestra. Conductor: Mathieu. In the interval: Talk by Paul Reboux. 10.30-11.0—Records: Light Music.

PARIS (PTT) (France)

695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.50 a.m. 5.0 p.m.—Pásdeloup Concert Orchestra. Conductor: Tomasi. Mme. Dounia-Blanc (Songs). Sarabande and Bourrée (Lederer). Twilight (Moszkowski). Russian Dance (Moszkowski). La Vierge à la Crèche (Franck). Song (Franck). Madrigal (Gaubert). Feuillet d'Album (Chabrier). 5.30—Music and Art Notes. 5.50—Science. 6.0—Pásdeloup Orchestra (contd.). Tableau villageois (Février). Nocturne and Waltz (Tchaikovsky). Cygne sur l'eau (Fauré). Danseuse (Fauré). Chanson à danser (Bruneau). 6.30—News; Review. 7.38—Pásdeloup Orchestra (contd.). Serenade (Wolff). Ronde de nuit (Witkowski). Feuillet d'Album (Levadé). 8.0—Legal Talk. 8.15—Talks. 8.30—"Fairytale and Fantasy in Music"—National Orchestra, Raugel Choir and Soloists. Conductor: Inghelbrecht. Overture and Excerpts, "Der Freischütz" (Weber). "L'Enfant et les Sortilèges" (Ravel). Scene, "Sadko" (Rimsky-Korsakov). 10.30—News.

PARIS (Radio-Paris) (France)

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

6.45 a.m.—Gym. 7.0—Records. 7.15—Press Review. 7.45—Gym. 8.0—Records.

11.0—Paris Symphony Orchestra. Conductor: Frigara. 12.0 noon—For Farmers. 12.15 p.m.—Time. 12.16—Paris Symphony Orchestra. Conductor: Frigara. Mills and Chaubet (Songs). In the interval at 12.45: News; Sports. 2.0—Talk. 2.15—Poetry. 2.25—Talk. 2.30—Records: Symphonic Dances. 3.0—Lecture by M. Brunschwig from the Faculté des Lettres: Cartesianism. 4.0—Cercle Interallié Concert, with Anspach (Songs). 5.0—English Lesson. 5.20—Shipping. 5.30—Pásdeloup Concert Orchestra. Conductor: Tomasi. Mme. Dounia-Blanc (Songs). Petite suite (Ducasse). Pastorale (Honegger). Comme on oublie (Tchaikovsky). La reine de la mer (Borodin). L'île heureuse (Chabrier). Les Cigales. 6.0—Dramatic. 6.30—Pásdeloup Orchestra (contd.). Air and Dance. Un chant d'été (Delius). Spanish Rhythm (Laparra). Serenade (Mignan). Overture, "Gwendoline" (Chabrier). 7.30—Science. 7.50—Review. 8.0—English Books. 8.20—Humorous Stories; Press Review. 8.45—Time. 8.46—"Chansonniers." Part I. Carnival of Song. Part II. "The Joys of February 18th" 10.45—Time. 10.46—Dance Music—Pascal Orchestra. 11.15-12.15 a.m. (Wednesday)—Light Music—Pascal Orchestra. La Dragonne (Filippucci). Le Romarin (Foudrain). Dolores (Waldteufel). Crépuscule (Massenet). La Verbena (Lacôme). Serenade (Goublier). Le flirt du canari (Kohler). Ronde d'amour (Chaminade). Mystérieuse patrouille (Aubry).

PRAGUE (Czechoslovakia)

638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.15 a.m. 3.10 p.m.—Orchestra. 4.0—For Children. 4.20—Langer (Pfte.). 4.40—Talk. 4.50—Records. 5.0—Exchange. 5.10—German Transmission: Review; Songs; Orchestra. 5.45—News in German. 5.55—Record. 6.0—Time; News. 6.10—Report from Prague Municipal Museum. 6.40—Songs (Jindrich, Janáček and Novák), by Marie Budíková-Jeremiasová. 6.55—Talk. 7.10—See Brno. 7.55—Literary Programme. 8.15—Station Orchestra. Conductor: Bednář. 9.0—News. 9.15—For Housewives. 9.20—Quartet in D (Mozart) by the Ondricek Quartet. 9.45—News in English.

RADIO-NORMANDIE (France)

1,113 kc/s (269.5 m.); 15 kW. 7.0 a.m.—Records. 7.20—News. 7.48—Racing. 7.53—For Housewives. 8.0—Records. 8.15—Time; Records. 8.30—Light Music. 8.45—Songs. 9.0—Time; Dance Music. 9.15—Light Music. 9.30—Records. 9.45—Light Music. 10.0—Chansonnettes. 11.0—Classical Music. 12.0 noon—Light Music. 12.30 p.m.—Concert. In the interval at 12.45: News. 3.30—Orchestra. 4.0—Tea-Time Hour. 4.45—Children's Corner. 5.0—Time; Dance Music. 5.15—Mandoline. 5.30—Records. 6.0—For Children. 6.45—News. 7.0—Light Music. 7.45—An Interview. 7.48—News. 8.0—Light Music. 8.30—An Interview. 8.35—Songs. 8.50—Records. 9.0—Variety. Part I: Relay from the Grand Théâtre du Havre. Part II: Miles. Née and Mme. Viquesnel (Songs), Mlle. France (Contralto) and Mlle. Patrizia (Pfte.). Pfte.: Nocturne (Chopin). Songs: Elsa's Dream, "Lohengrin" (Wagner). Pfte.: Arabesque (Debussy). Song: Gretchen am Spinnrade (Schubert). Pfte.: "Chant d'amour (Liszt). Aria, "Hérodiade" (Massenet). Pfte.: Waltz in C sharp (Chopin). Song: Après un rêve (Fauré). Two Songs. Two Arias "Orpheus" (Gluck), Tristesse (Chopin). Le Soir (Gounod). 11.0—Dance Music. 11.30—News. 11.40—Cabaret. 12.0 m't-2.0 a.m. (Wednesday)—Dance Music. In the interval at 12.30: Time.

RADIO-ROMANIA (Brasov) (Romania)

160 kc/s (1,875 m.); 150 kW. See Bucharest.

ROME (Italy)

713 kc/s (420.8 m.); 50 kW. Relayed by Naples, 1,104 kc/s (271.7 m.); Bari (No. 1), 1,059 kc/s (283.3 m.); Bari (No. 2), Milan (No. 2), and Turin (No. 2), 1,357 kc/s (221.1 m.). Transmits at intervals from 6.45 a.m. 3.20 p.m.—Relay from Asmara.

3.35—Records. 4.0—News; Exchange. 4.15—Instrumental and Vocal. 4.55—Weather. 5.0—For Farmers. Corn Prices. 5.10-5.15—Morse. 5.50—Announcements. 6.0—News; Tourist Report (English). 6.20—News (English). 6.44—News (French). 7.5—Time; Announcements; Talk. 7.15—News. 7.35—"Le Cantatrici Italiane" Conductor: Maddalena Pacifico. Alle danze, Alle danze (Monteverdi). Seduto in sulla riva (Gluck). Two Songs (Aru): (a) Primavera e tornata, (b) La preghiera degli zingari. Canzonetta all'antica (Persico). Ninna-nanna (Bruno). Girotondo (Mulè). Sicilian Song. Tunazuni de la Catitara. 8.20—"Viaggio nel regno della fantasia"—One-Act Play (Felyne). 9.0—Dance Music. In the Interval: Talk. 10.0-10.15—News.

SOTTENS (Switzerland)

677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.). 11.30 a.m.—News. 11.40—See Monte Ceneri. 12.10-1.0 p.m.—Records. 3.29—Time. 3.30—Pfte. Sonata in D (Mozart). 3.50—Loew (Violin); Mme. Hewitt-Tilliard (Pfte.). Sonata (Fornorod). Romance (Fauré). Poem (Stewart). 4.15—Radio Suisse romande Orchestra. Conductor: Haug. 5.0—Book-keeping. 5.25—Records. 6.0—Talk: The Teeth. 6.20—Dance Records. 6.30—Letter-box. 6.45—Tinayre (Songs); Cellier (Organ). Laudi a San Lorenzo. Virgo singularis (Gombert). Cantate Domino canticum novum (Staden). Variations on a Song (Scheidt). Air (Bach). La guamnia (Guammi). Canzonetta (Buxtehude). Carol Excerpt, "L'Enfance du Christ" (Berlioz). Choral Prelude (Pachelbel). 7.30—"Roland à Roncevaux"—Play (Chessex). 8.30—News. 8.40-9.15—Radio Suisse romande Orchestra. Conductor: Haug. Serenade (Casella). Jack in the Box (Satie-Milhaud).

STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW. Relayed by Motala, 216 kc/s (1,389 m.); Göteborg, 941 kc/s (318.3 m.); Hörby, 1,131 kc/s (263.8 m.); and Boden, 392 kc/s (765 m.). Transmits at intervals from 6.20 a.m. 1.45-2.5 p.m.—A Visit to an English School—Dialogue in English between Arthur King and Ernst Hansson. 4.5—For Children. 4.30—Report. 4.45—Records. 5.45—French Lesson. 6.30—Cabaret. 7.10—"The Wind and the Rain"—Play (Merton Hodge). 9.0-10.0—Station Orchestra. Conductor: Hellman. Bronislav Gimpel (Violin). Violin Concerto in A minor (Glazunov). Nocturne (Schmitt). Theme, Variations and Finale (Rózsa).

STRASBOURG (France)

859 kc/s (349.2 m.) 120 kW. Transmits at intervals from 6.45 a.m. 6.30 p.m.—Records: "Istar" (d'Indy). 6.45—Topical Talk. 7.0—Orchestra. Intermezzo (Krome). Lehár Potpourri (Robrecht). Romance (Nerini). Titin (Szulc). Czardas (Lederer). March. Granada (Garcia). 7.30—Time; News. 7.45—News (German). 8.0—Press Review (German). 8.10—Sextet for Two Horns and String Quartet (Beethoven). 8.30—See Paris (PTT).

STUTTGART (Germany)

574 kc/s (522.6 m.); 100 kW. 10.40 a.m.—See Cologne. 11.0—See Leipzig. In the interval at 12.0 noon: Time; News. 1.0-2.0 p.m.—See Deutschlandsender. 2.15—Talk: Flowers and Animals. 3.0—See Deutschlandsender. 4.40—Discussion; Gardening. 5.0—See Munich. 6.45—A War Story. 7.0—News. 7.10—See Hamburg. 9.0—Time; News: Sports Notes. 9.20—Peter Zoegé von Manteuffel Anniversary Programme. Introductory Talk by Lang. Reading from the Author's Book, "Brandung." 9.35—Light Music and Folk Music from Hamburg. 11.0-1.0 a.m. (Wednesday)—See Frankfurt.

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.15 a.m. 6.0 p.m.—Exchange. 6.5—Operetta Music. 6.15—Chansonnettes. 6.30—Film Music. 6.45—News. 6.50—Opera Music. 7.5—Light Music. 7.30—News. 7.45—Light Music. 8.15—

TUESDAY (February 18)

Popular Music. 8.30—Chansonnettes. 8.50—Cigany Band. 9.0—Concert Version: "Il Trovatore"—Opera (Verdi). 9.35—Tango Songs. 9.50—Hawaiian Guitar. 10.5—Dance Music. 10.15—Film Music. 10.30—News. 10.45—Viennese Orchestra. 11.0—Humorous Scenes. 11.15—Argentine Orchestra. 11.30—Operetta Music. 11.45—Marches. 12.0 m't—Music Hall. 12.15 a.m. (Wednesday)—News. 12.20-12.30—Orchestra.

TURIN (No. 1) (Italy)

1,140 kc/s (263.2 m.); 7 kW. Relayed by Milan (No. 1), 814 kc/s (368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,222 kc/s (245.5 m.); Florence, 610 kc/s (491.8 m.); Bolzano, 536 kc/s (559.7 m.). Transmits at intervals from 6.45 a.m. 3.20 p.m.—Relay from Asmara. 3.35—For Women; Records. 4.0—News. 4.15—Angelini Dance Band. 5.0-5.10—For Farmers; Corn Markets. 5.50—Announcements. 6.0—News in Foreign Languages. 7.5—Time; Announcements; Talk. 7.15—News. 7.35—"Il Campiello"—Three-Act Opera (Wolf-Ferrari) from La Scala, Milan. Conductor: Marinuzzi. Cast: Mafalda Favero, Luigi Nardi, Iris Adami Corradetti, Giuseppe Nesi, Margherita Carosio, Giulia Tess, Luigi Fort, Fernando Autori, Salvatore Baccaloni and Franco Zaccarini. In the intervals, Science Talk; News (Italian, Spanish).

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Relayed by Graz and Linz, 886 kc/s (338.6 m.); Innsbruck, 519 kc/s (578 m.); Dornbirn, Klagenfurt, and Vorarlberg, 1,294 kc/s (231.8 m.); and Salzburg, 1,348 kc/s (222.6 m.). Transmits at intervals from 6.0 a.m. 4.30—Germaine Leroux (Pfte.) and Isold Riehl (Contralto). Love Songs (Haydn). (a) Des Geistes Gesang, (b) Die Liebe trug sie stumm, (c) Der Wanderer, (d) Heller Blick, (e) Jeder mündet, der Gegenstand, Rondeau, Les Cyclopes (Rameau). Three Preludes, Sarabande and Toccata (Debussy). 5.0—History Talk: The Netherlands. 5.25—French Lesson. 5.50—Talk: Astronomy. 6.0—Time; News. 6.30—Talk: Evening Institutes. 7.0—Dance Music. Gaudriol Orchestra and Bohème Quartet. Hauk (Songs). 8.35—Reading. 9.0—News. 9.10—"Lithuanian Independence Day"—Lithuanian Music (on Records). The Kaunas Station and State Opera Orchestras. Conductor: Kelpša—Kaunas State Opera Choir and Sodeika (Songs). Symphony, Autumn (Naujalis). Choral Songs (a) Skamba, skamba kankles (Grudis), (b) Už jutu mariu (Banaitis), (c) Pasisejau žalia ruti (Eimontis), (d) Džuku daina (Kelpša), (e) Sens Rambyne (Starka), (f) Vai ir noriojo (Karosas), (g) Pamylejau vakao (Bendorius). Songs: (a) Augi gireleje (Dambrauskas), (b) Žaliojoj lankeleje (Kelpša), (c) Mano gimtine (Simkus). 9.40—Questions and Answers. 9.50—News. 10.5—Bach Pfte. and Organ Music by Schütz. Choral Prelude, Gelobet seist Du, Jesu Christ. Two Preludes and Fugues in F sharp. Fantasy in G. 10.35-12.0 m't—Light Orchestral Music.

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.); Łwów, 795 kc/s (377.4 m.); Poznań, 868 kc/s (345.6 m.); Torun, 986 kc/s (304.3 m.); and Wilno, 536 kc/s (559.7 m.). Transmits at intervals from 5.30 a.m. 3.0—Letter-box. 3.15—Wind Band. Conductor: Cymerman. 3.45—Polish Songs. Conductor: Rutkowski. 4.0—Talk. 4.15 (from Łwów)—"The German Nightingale"—A Report. 4.50—A Modern Dictionary. 5.0—Schioler (Pfte.). 5.30—Literary Programme. 5.45—Announcements. 5.55—Letter-box. 6.5—Announcements. 6.50—Topical. 7.0—"The Guitar"—Monologue (Kar). 7.10—Symphony Orchestra from the Grand Theatre, Poznań. Conductor: Latoszewski, Eugénie Uminska (Violin). Violin Concerto (Szymanowski). Symphony (Poradowski). In the interval at 8.0: News; Talk. 9.30—Talk. 9.45 (from Cracow)—Talk in Esperanto. 10.0—Weather. 10.5—Dance Records.

WEDNESDAY Feb. 19

5 p.m.

ATHLONE, 5.30—Instrumental Trio.
BERLIN and most German Stations, See Frankfurt. **BRUSSELS (1)**, Benders Dance Band. **BRUSSELS (2)**, For Children.
DEUTSCHLANDSENDER, News in the Past—Four Pictures (Ulbricht).
FRANKFURT, Variety. Hauck Band and Soloists.
HILVERSUM (1,875 m.), For Children. 5.10—Light Music.
HILVERSUM (301.5 m.), For Children. 5.40—Talk.
KALUNDBORG, Talk. 5.20—French Lesson. 5.50—Wireless Notes.
MOSCOW, 5.15—Vocal Ensemble.
MUNICH, Band and Soloists.
PARIS (PTT), Paris Symphony Orchestra. Conductor: Clergue.

6 p.m.

ATHLONE, Instrumental Trio. 6.15—Short Story (Irish). 6.30—Songs and Pts. 6.45—News.
BERLIN, See Frankfurt. 6.45—Evening Echoes. **BEROMÜNSTER**, Markets. 6.20—Radio Orchestra. Conductor: Bernard. 6.40—Talk. **BRESLAU**, See Frankfurt. 6.45—Reading. **BRUSSELS (1)**, Les chants de la mer (Gaubert). 6.15—Talk. 6.30—Cahuzac (Clarinete). **BRUSSELS (2)**, Band. 6.45—Protestant Address. **BUDAPEST (1)**, Story (contd.). 6.30—"La Bohème"—Opera (Puccini) with Kolman von Pataky (Tenor).
COLOGNE, See Frankfurt. 6.45—Snapshots.
DEUTSCHLANDSENDER, Liszt—Schumann, by Lamond (Pfe.). 6.45—Topical Review.
EIFFEL TOWER, Talk. 6.45—Music Talk.
FRANKFURT, Variety (contd.). 6.45—Talk. 6.55—Weather, Markets, Programme Notes.
HAMBURG, See Frankfurt. 6.45—Talk. **HILVERSUM (1,875 m.)**, Light Music. 6.40—Sports. 6.55—Children's Choir. **HILVERSUM (301.5 m.)**, Talk. 6.40—News, Report.
KALUNDBORG, Time, News. 6.30—For Farmers. **KÖNIGSBERG**, See Frankfurt. 6.45—Topical.
LEIPZIG, See Frankfurt. 6.45—Talk. 6.50—Evening Review.
MOSCOW, Dramatic. **MUNICH**, Light Music (contd.).
OSLO, Announcements. 6.30—Time, Talk.
PARIS (PTT), Paris Symphony Orchestra. Conductor: Clergue. Casadesus (Violin). 6.30—News, Topical Review. **POSTE PARISIEN**, 6.15—Exchange, Jewish Religious Programme. 6.35—Topical Talk. 6.49—Records. **PRAGUE**, News, Records. 6.15—Topical Report. 6.25—Sokol Trumpet Corps.
RADIO-NORMANDIE, For Children. 6.45—News. **RADIO-PARIS**, For Young People. 6.30—Talk: The Life of Lully with Illustrations by Paris Symphony Orchestra. Conductor: Clergue.
ROME, Announcements, Tourist Talk (German). 6.20—News (English and French).
SOTTENS, Chess. 6.10—Records. 6.15—Science Talk. Review.
STOCKHOLM, German Lesson. 6.30—Talk. **STRASBOURG**, Orchestra (contd.). 6.30—Legal Talk. 6.45—Records. **STUTTGART**, See Frankfurt. 6.45—Talk.
TURIN, News (Foreign Languages).
VIENNA, "Dame im Traum" (contd. from 5.55).
WARSAW, Announcements. 6.35—Sports. 6.50—Topical Talk.

7 p.m.

ATHLONE, Mediaeval Music, Peter Warlock and others—"Barren"—Play.
BERLIN, News. 7.15—See Deutschlandsender. 7.45—Grandmother's Days—Orchestra. **BEROMÜNSTER**, Popp (Violin) and Katzigheras (Pfe.) with Radio Orchestra. Conductor: Bernhard. 7.40—"In all Directions"—Sequence. **BRESLAU**, News. 7.15—See Deutschlandsender. 7.45—Humorous Programme (Rabe). **BRUSSELS (1)** Records. 7.30—For Ex-Servicemen, Medical Talk. **BRUSSELS (2)**, Schubert—Schumann Songs by Tolkowsky. 7.30—Talk. **BUCHAREST**, Letter-box. 7.20—Athanasof (Pfe.), and Tassian (Songs). **BUDAPEST (1)**, "La Bohème" (contd.). 7.55—News.

COLOGNE, News. 7.15—See Deutschland. 7.45—Musical Travel Report—Station Orchestra. Conductor: Kuhn.
DEUTSCHLANDSENDER, Motto, News. 7.15—"Plüsch and Co.'s Clearance Sale"—a Topical Satire. 7.45—See Stuttgart.
EIFFEL TOWER, News. 7.19—Time, Foreign Affairs. 7.45—Records.
FRANKFURT, News. 7.15—See Deutschlandsender. 7.45—Variety Concert.
HAMBURG, News. 7.15—See Deutschlandsender. 7.45—"Gustrow"—Four Historical Tableaux (Ringeling). Speakers, Soldiers' Choir, and Trumpet Corps. **HILVERSUM (1,875 m.)**, Children's Choir. 7.20—Talk, News. 7.50—Accordion Band. v. Dongen (Songs). **HILVERSUM (301.5 m.)**, Talk. 7.40—News. 7.55—N.C.R.V. Orchestra. Conductor: v.d. Hurk.

PRINCIPAL EVENTS

SYMPHONY CONCERTS

P.M.
3.15 National: Borovsky (pfe.).
7.0 Stockholm: Mendelssohn.
7.35 Sottens: Ansermet, Hindemith.
7.45 Leipzig: Conductor, Buschkötter.
8.30 Brussels 2: Strauss, Wagner, etc.
8.30 National: Boulton, Szigeti.
8.30 Strasbourg: Conductor, Paray.
LIGHT CONCERTS
2.20 Kalundborg: Preil Ensemble.
3.0 Deutschlandsender: von Geczy Band.
5.0 Frankfurt, etc.: Variety concert.
5.30 Strasbourg: French programme.
6.30 Radio Paris: Lully programme.
7.0 Beromünster: Orchestra, violin, pfe.
7.0 Kalundborg: Operetta music.
7.0 Oslo: Conductor, Hugo Kræmm.
7.45 Stuttgart, etc.: Variety concert.
7.55 Hilversum (301.5 m.): Orchestra.
8.0 Athlone: School of Music Concert.
8.10 Königsberg: Old music.
8.15 Breslau: Austrian alpine music.
8.55 Hilversum (1,875 m.): Orchestra.
9.5 Poste Parisien: Spanish music.
9.30 Cologne, etc.: Light and dance music.
9.30 Kalundborg: Danish music.
9.35 Budapest 1: Cigány band.
10.0 Hamburg: Kiel Orchestra.

KALUNDBORG, Chimes, Operetta Music—Radio Orchestra. Conductor: Grundahl. 7.25—"The Hansen Family"—Sketch (Locher). 7.40—Concerto grosso in D for Strings and Harpsichord (Corelli)—Radio Orchestra. **KÖNIGSBERG**, News. 7.15—See Deutschlandsender. 7.45—"The Master of Nadelheim"—Play (Tissot).
LEIPZIG, News. 7.15—See Deutschlandsender. 7.45—Leipzig Symphony Orchestra. Guest Conductor: Dr. Wilhelm Buschkötter.
MONTE CENERI, Locarno of Yesterday and to-day—Sequence (Elio Bossi), with Choral and Mandoline Music. **MOSCOW**, Dramatic. 7.15—Concert. **MUNICH**, News. 7.15—See Deutschlandsender. 7.45—Carnival Programme including "The Negress"—Sketch (Lankes).
OSLO, Bach, Coates, and Tchaikovsky—Station Orchestra. Conductor: Kramm. At 7.30: Talk.
PARIS (PTT), Topical Review. 7.30—Weather. 7.38—Symphonie Legendaire (Godard), by the Paris Symphony Orchestra. Conductor: Clergue. **POSTE PARISIEN**, Talk. 7.5—News, Aviation. 7.35—Records. **PRAGUE**, Literary Report. 7.20—Women's Choir. Maxian and Kredba (Pfes.). 7.50—"A Farewell Supper"—Play (Schnitzler).
RADIO-NORMANDIE, Concert. 7.45—Interview. 7.55—Talk. **RADIO-PARIS**, Illustrated Talk (contd.). 7.30—Talk. 7.45—Reading. **RADIO-ROMANIA**, See Bucharest. **ROME**, 7.5—Time, Announcements. Talk. 7.15—News. 7.35—"La fiamma"—Opera (Respighi).
SOTTENS, Old Swiss Psalms (Alder, Wannenmaecker). 7.20—Topical. 7.35—Berlioz—Hindemith Symphony Concert. Hindemith (Viola), Radio Suisse Romande Orchestra. Conductor: Ansermet. **STOCKHOLM**, Third Symphony (Mendelssohn). Norrköping Or-

chestra. Conductor: Freudenthal. 7.45—Talk. **STRASBOURG**, Rauch (Soprano). 7.30—News. 7.45—News (German). **STUTTGART**, News. 7.15—See Deutschlandsender. 7.45—The Humst-Bumsti Circus—Gala Variety.
TOULOUSE, Cigány Band. 7.30—News. 7.45—Songs, Talk. 7.55—Excerpts, "The Merry Widow" (Lehar). **TURIN**, 7.5—Time, Announcements, Talk. 7.15—News. 7.35—Programme by Bolzano University Students.
VIENNA, "Dame im Traum" (contd.). At 7.40: Talk.
WARSAW, Records. 7.45—News. 7.55—Chopin Recital by Muenzer (Pfe.), and Szewminka (Songs).

8 p.m.

ATHLONE, Concert by the Municipal School of Music.
BERLIN, Grandmother's Days (contd.). **BEROMÜNSTER**, News. 8.10—Play. **BRESLAU**, Humorous Programme (contd.). 8.15—The Austrian Alps—Musical Sequence. Station Orchestra. Conductor: Topitz. Station Choir. Dreher (Yodels). **BRUSSELS (1)**, Radio Orchestra. Conductor: Gason. Misson (Violin). **BRUSSELS (2)**,

"A Farewell Supper" (contd.), 8.25—Violin Concerto (Mlynski). **RADIO-NORMANDIE**, 8.5—Duet Records. 8.30—Records. **RADIO-PARIS**, Daninos and de Cléry (Songs). 8.30—News. 8.45—Three Plays. **RADIO-ROMANIA**, See Bucharest. **ROME**, "La fiamma" (contd.). In the interval: Talk, News. **SOTTENS**, Symphony Concert (contd.). **STOCKHOLM**, Talk. 8.45—News. **STRASBOURG**, News (German). 8.10—Records. 8.30—Strasbourg Municipal Orchestra. Conductor: Paray. **STUTTGART**, Gala Programme (contd.).
TOULOUSE, "The Merry Widow" (contd.). 8.15—Light Music. 8.30—Bach and Laverne. 8.50—Military Music. **TURIN**, University Students Programme (contd.). 8.35—"The Lost Letter"—Play (Niccodem).
VIENNA, "Dame im Traum" (contd.).
WARSAW, Chopin (contd.). 8.35—Literary Programme. 8.50—Talk.

9 p.m.

ATHLONE, Station Strings. 9.15—Talk. 9.30—Variety.
BARCELONA, Chimes, Weather. 9.5—Station Orchestra. 9.30—"A

11.0 Stuttgart, Frankfurt: Serenade.

11.15 Radio-Paris: Light music.

OPERAS

5.55 Vienna: "Dame im Traum" (Salmhofer).
6.30 Budapest 1: "La Bohème."
7.35 Rome: "La fiamma" (Respighi).
8.30 Eiffel Tower: "L'oiseau bleu" (Wolff).

CHAMBER MUSIC

5.0 Warsaw: Sonata (Szymanowski).
10.0 Deutschlandsender: Trios (Schubert, Dvořák).

RECITALS

4.0 Budapest 1: 'Cello.
6.0 Deutschlandsender: Lamond (pfe.).
7.0 Sottens: Old Swiss psalms.
7.0 Strasbourg: Soprano songs.
7.55 Warsaw: Chopin.
8.30 Paris (PTT): Songs; 9.0, Harpsichord, etc.
9.10 Turin: Madrigals.

PLAYS

7.30 Athlone: "Barren."
8.45 Radio-Paris: Three plays.

LAST NEWS BULLETINS

For Schedule see Monday.

DANCE MUSIC

5.0 Brussels 1; 9.0, Stockholm; 9.45, Turin; 10.0, Munich; 10.5, Warsaw; 10.10, Brussels 1; 10.15, Vienna; 10.30, Regional; 10.45, Radio-Paris; 11.0, Radio-Normandie; 11.15, National.

MISCELLANEOUS

7.45 Munich: Carnival programme.

Quartet (Harsanyi) (Records). 8.30—Weber, Debussy, Strauss, Wagner—Station Symphony Orchestra. Conductor: Defaux. Briffaux and Van Obbergh (Songs). **BUCHAREST**, Pts., Songs. 8.10—Radio Orchestra. Conductor: Teodoru. At 8.30: News, Sports. **BUDAPEST (1)**, "La Bohème" (contd.), at 8.40: News.

COLOGNE, Musical Travel Report (contd.).

DEUTSCHLANDSENDER, See Stuttgart.

EIFFEL TOWER, Talk. 8.30—

"L'oiseau Bleu" (Albert Wolff). **FRANKFURT**, Variety Concert.

HAMBURG, "Gustrow" (contd.).

HILVERSUM (1,875 m.), Accordion Band. 8.25—February Revue (Pleyssier-de Vries). Music by

Rossican. 8.55—Residentie Orchestra. Conductor: v. Lier. **HILVERSUM (301.5 m.)**, N.C.R.V. Orchestra; at 8.40: Talk.

KALUNDBORG, Reading. 8.15—Schumann Duets by Hagen and Schmidt. 8.35—Talk. **KÖNIGSBERG**, "The Master of Nadelheim" (contd.). 8.10—Old Music—Small Station Orchestra. Conductor: Kaestner. Armhold (Soprano), Schulz (Viola da Gamba).

LEIPZIG, Leipzig Symphony Orchestra. **LILLE**, Time, Records. 8.30—Symphony Concert. Schultz (Pfe.), Desubquois (Saxophone).

MONTE CENERI, Sequence (contd.). 8.30—Radio Orchestra. **MOSCOW**, Czech Programme. **MUNICH**, Carnival Programme (contd.).

OSLO, Orchestra (contd.). 8.40—Weather, News.

PARIS (PTT), Tourist Report, Anniversaries. 8.20—Three Poems from "Crépulesc d'Autonne" (Aubert), sung by Granger-Daniels.

8.30—French Songs, Illustrated Talk. **POSTE PARISIEN**, Records. 8.15—Variety. 8.45—Lightning Sketches. 8.50—Talk. **PRAGUE**,

la Lluna de Valencia"—Play (Campanomy). **BERLIN**, News. 9.30—See Cologne. **BEROMÜNSTER**, For Swiss Abroad. 9.30—Tourist Notes, Weather. **BRESLAU**, News. 9.30—See Cologne. **BRUSSELS (1)**, Excerpts, Quartet (Verdi) (Records). 9.15—Orchestra (contd.). **BRUSSELS (2)**, Orchestra (contd.).

In the interval: Recitation. **BUCHAREST**, Orchestra (contd.). 9.45—News (French, German, Romanian).

BUDAPEST (1), "La Bohème" (contd.). 9.30—Weather. 9.35—Pettis Cigány Band.

COLOGNE, News. 9.30—Light Music and Dance Music—Station

Orchestras. Conductors: Kühn and Eysoldt. Schneider (Bass-Baritone).

DEUTSCHLANDSENDER, News. 9.30—Old German Songs and Dances—Wichmann (Soprano), Neemann (Flute).

EIFFEL TOWER, "L'oiseau bleu" (contd.).

FRANKFURT, News. 9.30—See Cologne.

HAMBURG, News. 9.25—Musical Interlude. **HILVERSUM (1,875 m.)**, Residentie Orchestra (contd.).

9.40—News, Address. 9.55—Residentie Orchestra. Hendricks-Zalsman (Songs). **HILVERSUM (301.5 m.)**, N.C.R.V. Orchestra.

9.40—News: Talk.

KALUNDBORG, 9.5—News. 9.20—The Miller's Death, from "Russalka" (Dargomijsky), by Chaliapin (Records). 9.30—Danish Music—Radio Orchestra. Conductor: Grundahl. **KÖNIGSBERG**, News.

9.20—Reading. 9.40—Light Music and Dance Music from Cologne.

LEIPZIG, News. 9.30—See Cologne.

LILLE, Symphony Concert.

MONTE CENERI, Radio Orchestra.

MOSCOW, 9.5—English Talks.

MUNICH, News. 9.20—To be announced. 9.30—Dancing Lesson.

OSLO, Talks. 9.35—Records.

PARIS (PTT), Brunhold (Harpis-

chord and Clavichord). 9.15—Chamber Music—Pasquier Trio. Isnard (Violin) and Bourdin (Songs). **POSTE PARISIEN**, 9.5—Spanish Music—Station Orchestra. Conductor: Balay. 9.35—Talk. 9.50—Relay from the Caprice Viennois. **PRAGUE**, Time, News. 9.15—Records. 9.45—News (French). **RADIO-NORMANDIE**, Literary and Musical. **RADIO-PARIS**, Plays (contd.). **RADIO-ROMANIA**, See Bucharest. **ROME**, "La fiamma" (contd.).

SOTTENS, Symphony Concert (contd.). At 9.20: News. **STOCKHOLM**, Dance Music. **STRASBOURG**, Orchestra (contd.).

STUTTGART, Time, News. 9.30—See Cologne.

TOULOUSE, Fantasy. 9.35—Operetta and Light Music. **TURIN**, Comedy (contd.). 9.10—Milanese Madrigal Society. Conductor: Bartoli. 9.45—Dance Music.

VIENNA, News. 9.10—Film Music. **WARSAW**, Dance Music.

10 p.m.

ATHLONE, Variety. 10.30—What happened to-day; Light Music.

BARCELONA, "A la Lluna de Valencia" (contd.) at 10.5—News.

BERLIN, See Cologne. **BRESLAU**, See Cologne. **BRUSSELS (1)**, News. 10.10—Benders Dance Band. **BRUSSELS (2)**, Orchestra (contd.). 10.30—News. 10.40—Records. **BUCHAREST**, Marco Orchestra. **BUDAPEST (1)**, French Talk.

COLOGNE, Light Music and Dance Music.

DEUTSCHLANDSENDER, Schubert. Dvořák by Pozniak Trio.

FRANKFURT, See Cologne.

HAMBURG, Serenade. Orchestra. Conductor: Döring. Schnell (Soprano) **HILVERSUM (1,875 m.)**, Orchestra (contd.). 10.25—Mignon Quintet. 10.55—Records. **HILVERSUM (301.5 m.)**, N.C.R.V. Orchestra. 10.25—Records.

KÖNIGSBERG, See Cologne.

LEIPZIG, See Cologne. **LILLE**, Symphony Concert. 10.30—News.

MOSCOW, German Talk, Records.

MUNICH, Station Dance Band.

PARIS (PTT), Chamber Music (contd.). 10.30—News. **POSTE PARISIEN**, Relay (contd.). 10.30—Records.

RADIO-NORMANDIE, Literary and Musical. **RADIO-PARIS**, Plays (contd.). 10.45—Time, Dance Music—Bailly Orchestra. Girard (Songs). **RADIO-ROMANIA**, See Bucharest. **ROME**, "La fiamma" (contd.).

SOTTENS, Symphony Concert (contd.). **STUTTGART**, See Cologne.

TOULOUSE, Light Music. 10.10—Excerpts, "Fortunio"—Operetta (Messenger). 10.30—News. 10.45—Dance Music. **TURIN**, News, Dance Music.

VIENNA, News. 10.15—Kaufmann Dance Band.

WARSAW, Weather. 10.5—Dance Records. 10.30—English Talk.

11 p.m.

BARCELONA, "A la Lluna de Valencia" (contd.). Records.

BERLIN, See Cologne. **BRESLAU**, See Cologne. **BUDAPEST (1)**, 11.5—News.

FRANKFURT, See Stuttgart.

HILVERSUM (1,875 m.), Records, Rossican (Pfe.). **HILVERSUM (301.5 m.)**, Records.

PARIS (PTT), U.S.A. Bulletin. Dance Music. 11.30—News. 11.40—Cabaret. **RADIO-PARIS**, Light Music (contd.). 11.15—Light Music—Bailly Orchestra. Arrue (Violin), Girard (Songs).

STUTTGART, Serenade—Station Orchestra. Conductor: Steffen. South German Trio: Schäfer, Hoffing and Monholz (Violins).

TOULOUSE, Light Music, Fantasy, Salon Orchestra.

VIENNA, Dance Band.

12 midnight

BARCELONA, News.

FRANKFURT, See Stuttgart.

RADIO-NORMANDIE, Dance Music, at 12.30—Time. **RADIO-PARIS**, Light Music (contd.).

STUTTGART, Serenade (contd.).

TOULOUSE, Music-Hall. 12.15—News. 12.20—Marches.

1 a.m. (Thursday)

RADIO-NORMANDIE, Dance Music.

RADIO-PARIS, Talk. 5.15—Books. 5.30—Paris Symphony Orchestra. Casadesus (Violin).

VIENNA, Talk. 5.20—Espejanto. 5.45—News. 5.55—"Dame in Traum"—Opera (Salmhofer).

WARSAW, Violin Sonata (Szymanowski). 5.30—Announcements.

NATIONAL

For Time Signals, see Monday
 10.15 a.m. (Droitwich)—Service.
 10.30 (Droitwich)—Weather Forecast.
 10.45—Housekeeping in Adventure—
 "Forty Years Ago in Burma"—
 Mrs. A. G. Pears.
 11.0—Records.
 11.30—For the Schools: French.
 11.45—Cinema Organ (Quentin Mac-
 lean).
 12.15 p.m.—BBC Empire Orchestra.
 1.15—BBC Scottish-Orchestra.
 2.0 (Scottish)—See Regional.
 2.5 (ex. Scottish)—For the Schools:
 British History. 2.30—Biology.
 2.50—Eileen Ralph (Pfte.).
 3.15—Bournemouth Municipal Or-
 chestra; Conductor, Richard
 Austin; Borovsky (Pfte.): Overture,
 Euryanthe (Weber), Brandenburg
 Concerto No. 3 (Bach), Brigg Fair
 (Delius), Hungarian Fantasy for
 Pfte. and Orchestra (Liszt), Sym-
 phony No. 5 (Sibelius).
 4.45—John MacArthur Quintet.
 5.15—The Yascha Krein Gipsy Or-
 chestra; Gustave Ferrari (Tenor).
 6.0—"The First News."
 6.25—Interlude.
 6.30—Foundations of Music. Brahms:
 Early Songs, sung by John Arm-
 strong (Tenor).
 6.50—Mainly Indoors—"Three Meals
 a Day"—V. H. Mottram and Cecil
 Highton.
 7.5—For Farmers Only—J. A. Scott
 Watson.
 7.30—BBC Dance Orchestra.
 8.15—Introductory Talk to Symphony
 Concert by H. E. Pigott.
 8.30—BBC Symphony Concert: BBC
 Symphony Orchestra; conductor,
 Adrian Boult; Szigeti (Violin);
 Symphony (Unfinished) (Schubert);
 Concerto (Brahms).
 9.40—News Summary.
 9.55—Concert—Part 2: Symphony
 No. 7 (Beethoven).
 10.40—Leslie Bridgewater Quintet:
 Old Scottish Melodies (arr. Bridge-
 water), The Mill (Bohm), Moonlight
 (Debussy), Hornpipe (Korngold),
 Afternoon (Eric Coates), Lullaby
 (Gunner Ek), Little Dancer
 (Carpenter).
 11.15-12.0 (Droitwich)—Dance Music.
 Jack Jackson and his Band.

REGIONAL

For Time Signals, see Monday
 10.15-10.45 a.m. (except Midland)—
 Droitwich.
 10.45—Cinema Organ (Cecil Chad-
 wick).
 11.15—Orchestra.
 12.15 p.m.—Orchestra; Cuthbert
 Revely (Baritone).
 1.15—G. D. Cunningham (Organ).
 2.0 (ex. Scottish)—BBC N. Ireland
 Orchestra.
 2.0 (Scottish)—For Schools: Reception
 Test. 2.5—Scottish History.
 2.30—Biology.
 2.50 (Scottish)—Records.
 3.0—Dance Records.
 3.30—BBC Welsh Orchestra; Esther
 Cooper-Jones (Contralto).
 4.30—Jan Berenska and his Orchestra.
 5.15—Children's Hour.
 6.0—"The First News."
 6.30 (Regional)—Orchestra.
 6.30 (Midland, Western)—Male Voice
 Choir.
 6.30 (Northern)—Cinema Organ.
 6.30 (N. Ireland)—Records.
 6.30 (Scottish)—Cinema Organ.
 6.50 (Scottish)—Gaelic Concert.
 7.0 (Northern)—Northern Orchestra.
 7.15 (Regional, Midland)—BBC Mid-
 land Orchestra.
 7.15 (Western)—"All in a Day's
 Work"—Play, presented by The
 Rapiers Players.
 7.15 (N. Ireland)—Recital; Contralto,
 Baritone, Harp.
 7.30 (Scottish)—New Ventures in
 Scotland—James Cunnison.
 7.35 (N. Ireland)—Violin and Pfte.
 7.45 (Western)—School Choir.
 7.50 (Scottish)—Scottish Dances.
 8.0 (Northern)—The Art of Strength.
 8.15—Meet Mickey Mouse.
 8.45 (Regional)—Theatre Orchestra.
 8.45 (Midland)—Jack Wilson.
 8.45 (Western)—R. A. Lister Military
 Band; William Parsons (Baritone).
 8.45 (Northern)—Dance Records.
 8.45 (N. Ireland)—Recital, Flutes,
 Trombone, Xylophone.
 8.45 (Scottish)—Readings.
 9.5 (Scottish)—Scottish Orchestra,
 Conductor, John Barbirolli.
 9.15 (Northern)—Variety.
 9.15 (N. Ireland)—"While Children
 Sleep." Programme by Children.
 9.25 (Midland)—Records.
 9.45 (Western)—Reading.
 9.50 (Regional, N. Ireland, Scottish)—
 Peggy Cochrane.
 10.0—"The Second News."
 10.30-12.0 (Midland til 11.15)—Dance
 Music.

Hours of Transmission in Greenwich
 Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 60 kW. Re-
 layed by Dublin, 1,348 kc/s (222.6
 m.); and Cork, 1,240 kc/s (241.9
 m.).
 1.30-2.30 p.m.—Request Records. 5.30
 —T. Madden—Instrumental Trio.
 6.15—Short Story in Irish. 6.30—
 Songs and Pfte. 6.45—News. 7.0—
 Mediaeval Music—Peter Warlock and
 others.
 7.30—"Barren"—Play (May Carey and
 Company). 8.0—Concert by the
 Municipal School of Music, from
 Metropolitan Hall. 9.0—Station
 Strings. 9.15—Talk. 9.30—Variety.
 10.30—What happened to-day; Light
 Music. 11.0—National Anthem.

BARCELONA (EAJI) (Spain)

795 kc/s (377.4 m.); 7.5 kW.
 Transmits at intervals from 7.15 a.m.
 9.0 p.m.—Chimes; Weather. 9.5—
 Station Orchestra.
 9.30—"A la Lluva de Valencia"—
 Two-Act Play in Catalan (Campomany).
 In the interval at 10.5:
 News. After the Play, Records.
 12.0 m't—News.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW.
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.—Orchestra from Saar-
 brücken. 1.0 p.m.—News.
 1.15—Songs and Dances. Small
 Station Orchestra. Conductor: Willy
 Steiner. 2.0—Exchange; Markets.
 3.0—"Nur nicht den Kopf verlieren."
 —Sequence (Meta Brix). 3.30—Talk.
 3.45—Hans von Benda Orchestra.
 4.30—Radio picture—Guben.
 5.0—See Frankfurt. 6.45—Evening
 Echoes. 7.0—News.
 7.15—See Deutschlandsender. 7.45—
 "Grandmother's Days"—Orchestra
 from Saarbrücken. 9.0—News.
 9.30-11.0—See Cologne.

BEROMÜNSTER (Switzerland)

556 kc/s (539.6 m.); 100 kW.
 Relayed by Basle and Berne, 1,375
 kc/s (218.2 m.).
 5.30 a.m.—Gym. 5.50—Weather.
 11.40—Records. 11.25—Time; News.
 11.40—Records. 12.25 p.m.—Time;
 Weather; Exchange. 3.0—For House-
 wives. 3.29—Time. 3.30 (from
 Berne)—Operetta Music. Radio
 Orchestra. Conductor: Reinsagen.
 4.10—Popular Hits by the Reveller
 Harmonists.
 4.25—Instrumental Music. Mangold
 (Flute), Tautenhahn (Clarinet), Stojin
 (Oboe), Anton (Bassoon) and Thulke
 (French Horn). 5.0—For Children.
 5.30—To be announced. 6.0 (from
 Basle)—Time; Weather; Markets.
 6.20—Radio Orchestra. Conductor:
 Bernhard.
 6.40-8.0—Programme from Basle. 6.40
 —Talk.
 7.0—Else Popp (Violin) and Elly
 Katzigheras (Pfte.), with the Radio
 Orchestra. Conductor: Bernhard.
 7.40—"In all Directions"—Sequence
 (Meyer-Gutzwiller-Hausmann). 8.0—
 News.
 8.10 till Close Down—Programme
 from Basle. 8.10—Play. 9.0—For
 Swiss Nationals Abroad. 9.30—
 Tourist Notes; Weather.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW.
 Relayed by Gleiwitz, 1,231 kc/s
 (243.7 m.).
 Transmits at intervals from 4.0 a.m.
 11.0 a.m.—Orchestra. 1.0 p.m.—An-
 nouncements.
 1.10—Variety from Deutschlandsender.
 2.0—Markets. 2.10—Books. 2.30—
 For Children. 3.0—Reading.
 3.10—Pfte. Sonata in A (Mozart).
 3.30—Dialogue: How our Forbears
 celebrated carnival.
 3.50—Orchestra from Königsberg.
 4.20—Max Jungnickel reads. 4.50—
 Markets.
 5.0—See Frankfurt. 6.45—Reading
 (May). 7.0—News.
 7.15—See Deutschlandsender.
 7.45—"Etiquette"—Humorous Pro-
 gramme (Rabe).
 8.15—"The Austrian Alps"—Musical
 Sequence. Station Orchestra and
 Mirz Dreher (Yodels). 9.0—News.
 9.30-11.0—See Cologne.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW.
 Transmits at intervals from 5.15 a.m.
 7.20-10.0 p.m.—See Prague.

BRUSSELS (No. 1) (Belgium)

620 kc/s (483.9 m.); 15 kW.
 6.37-9.0 a.m.—Records; News; Gym.
 12.0 noon—Records. 12.30 p.m.—
 Station Cigány Band. In the interval at
 1.0: News. 1.30—Records. 2.0-
 2.45—For Schools. 4.55—News.
 5.0—Brenders Dance Band. 6.0—
 Records: Les chants de la mer (Gaubert).
 6.15—Talk: Song Diction.
 6.30—Cahuzac (Clarinet). Pastorale
 Canzonetta (Pierne).

Excerpts, Clarinet Concerto in E
 flat (Weber). Arabesque (Jeanjean).
 Clair Marin (Jeanjean). Fantasia on
 "Rigoletto" (Verdi-Bassi). 7.0—
 Records. 7.30—For Ex-Servicem-
 en's Medical Talk.

8.0—Radio Orchestra. Conductor:
 Paul Gason. Misson (Violin).
 Overture, "Le Roi l'a dit" (Delibes).
 Two Irish Sketches (O'Donnell).
 Violin: Humoresque (Soudant).
 Elogy (Andelhof). Selection, "I
 Pagliacci" (Leoncavallo). Inter-
 lude (Savino). Près de toi (Wald-
 teufel). Two Hungarian Dances
 (Brahms). 9.0—Records: Quartet
 (Verdi).

9.15—Radio Orchestra (contd.). The
 Nursery (Ingebrecht). Violin:
 Scenes humoristiques (Léonard).
 Selection, "Faust" (Gounod).
 L'âne blanc (Huë). Excerpts,
 "Sylvia" (Delibes). 10.0—News.
 10.10-11.0—Brenders Dance Band.

BRUSSELS (No. 2) (Belgium)

932 kc/s (321.9 m.); 15 kW.
 Programme in Flemish.
 6.37-9.0 a.m.—Records; Gym; News.
 12.0 noon—Records: Act III, "La
 Gioconda" (Ponchielli). 12.30 p.m.
 —Weather. 12.31—Radio Orchestra.
 Conductor: Gason. In the interval
 at 1.0: News. 1.30—Records. 2.0-
 2.3—Shipping.



A panorama of Cuben, of which Berlin broadcasts a radio picture
 at 4.30 p.m.

4.55—Announcements. 5.0—For Child-
 ren. 6.0—Band from Antwerp.
 Conductor: Van Hoof. 6.45—
 Protestant Talk.
 7.0—Edmond Tolkowsky (Songs).
 Part I: Schubert. Ständchen,
 Am Meer, Der Wanderer, Heiden-
 röselin, Erbkönig. Part II: Schu-
 mann. Six Songs from "Dichter-
 liebe." The Two Grenadiers.
 7.30—Gardening Talk. 8.0—Records:
 Quartet (Harsányi).
 8.30—Station Symphony Orchestra
 from Antwerp. Conductor: Defauw.
 Berthe Briffaux and Lucien Van
 Obbergh (Songs). Overture, "Der
 Freischütz" (Weber). Prélude à
 l'après-midi d'un faune (Debussy).
 Till Eulenspiegel's Merry Pranks
 (Strauss). Wotan's Farewell
 (Wagner). Venusberg Music and
 Bacchanal, "Tannhäuser" (Wag-
 ner). Finale from "The Dusk of
 the Gods" (Wagner). In the
 interval: Recitation.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW. Re-
 layed by Radio-Romania (Brasov),
 160 kc/s (1,875 m.).
 Transmits at intervals from 10.30 a.m.
 7.0 p.m.—Letter-box. 7.20—Mme.
 Athanasof (Pfte.) and Tassian (Songs).
 8.10—Light Orchestral Music. Con-
 ductor: Teodoru. In the interval at
 8.30: News.
 9.45—News (French, German, Ro-
 manian). 10.0-11.0—Sandy Marco
 Orchestra.

BUDAPEST (No. 1) (Hungary)

546 kc/s (549.5 m.); 120 kW.
 9.20 a.m.—Talks. 11.5—Lakatos
 Cigány Band. In the interval at 11.30:
 News. 12.20 p.m.—Time; Weather.
 12.30—Radio Salon Orchestra. 1.40
 —For Housewives. 3.10—For Schools.
 3.45—Time; Weather. 4.0—Friss
 (Cello). 4.30—György Csanády and
 György Majthényi read. 5.0—
 Records. 5.55—A Story.
 6.30—"La Bohème"—Opera (Puc-
 cini), with Kolman von Pataky (Tenor),
 from the Opera. In the intervals at 7.55
 and 8.40: News. 9.30—Weather.

9.35—Pertis Cigány Band. 10.0—
 French Talk. 11.5—News.

BUDAPEST (No. 2) (Hungary)

359.5 kc/s (834.5 m.); 20 kW.
 5.20 p.m.—Italian Lesson. 6.30—
 Attila Orsy. 7.0—Records. 8.5—
 News. 8.30—Pityó Dance Band.
 Márton Sztáray (Songs).

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW.
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.—Orchestra. 12.0 noon—
 News. 12.15 p.m.—Orchestra. 1.0—
 News. 1.15—Schrammel Quartet.
 2.0—For Children. 2.45—Markets.
 3.0—Talk: Genealogy. 3.30—Chamber Music.
 5.0—See Frankfurt. 6.45—Snapshots.
 7.0—News.
 7.15—See Deutschlandsender. 7.45—A
 Musical Travel Report. Station Orches-
 tra. Conductor: Kühn. 9.0—News.
 9.30-11.0—Light Music and Dance
 Music. Station Orchestras. Con-
 ductors: Kühn and Eysoldt. Willi
 Schneider (Bass-Baritone).

DEUTSCHLANDSENDER (Germany)

191 kc/s (1,571 m.); 60 kW.
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.—See Königsberg. 12.0 noon

—Greetings. 12.15 p.m.—See Königs-
 berg. 12.45—News.
 1.0—Variety. 2.0—Announcements.
 2.15—Records: Overtures. 2.45—
 Felix Lützendorff reads.
 3.0—Barnabas von Geetz's Band from
 the Hotel Esplanade. In the interval
 from 3.50-4.0: Talk.
 5.0—"News in the Past"—Four
 Pictures of the History of Newspapers
 (Ulbricht). 5.45—Sports.
 6.0—Lamond (Pfte.). Sonata in B
 minor (Liszt). Symphonic Etudes
 (Schumann).
 6.45—Topical. 7.0—Motto; News.
 7.15—Transmission for all German
 Stations: "Plüsch and Co.'s Clear-
 ance Sale"—A Topical Satire.
 7.45—See Stuttgart. 9.0—News.
 9.30—Old German Songs and Dances
 —by Els Wichmann (Soprano) and
 Hans Neemann (Flute).
 10.0-11.0—The Pozniak Trio. Pfte.
 Trio (Schubert). Dumky Trio
 (Dvofák).

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW.
 Relayed by Cassel, Coblenz, Frei-
 burg, Kaiserslautern and Trier,
 1,195 kc/s (251 m.).
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.—Orchestra from Saar-
 brücken. 1.0 p.m.—News.
 1.10—Variety from Deutschlandsender.
 2.0—Talk. 2.15—Talk on Genea-
 logy. 2.30—Book Review. 2.45—
 Carnival Tales. 3.0 (from Cassel)—
 Light Orchestral Music.
 4.30—"America Cables World Re-
 cords"—Report from a News Bureau.
 5.0—"Singing and Dancing Frank-
 furt"—Variety. Franz Hauck Band;
 Erwin Hartung and Hans Georgi-
 Lehmann (Songs); Fritz Kullmann
 and Heinz Schröter (Two Pfes.).
 6.45—Talk. 6.55—Announcements.
 7.0—News.
 7.15—See Deutschlandsender.
 7.45—Variety. 9.0—News.
 9.30—See Cologne.

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.).
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.—Orchestra. 1.0 p.m.—

WEDNESDAY (February 19)

News. 1.20—Music. 2.0—Exchange.
 2.40—Shipping.
 3.0—See Deutschlandsender. In
 the interval from 3.50-4.0: Report:
 Work on the Teterow Racing Track.
 4.20—For Boys. 4.40—Talk: Work
 on the Wartburg.
 5.0-6.45—See Frankfurt. 6.45—
 Talk. 7.0—News.
 7.15—See Deutschlandsender.
 7.45—"Güstrow"—Four Historical
 Tableaux. Speakers, Soldier's Choir,
 and Trumpet Corps. 9.0—News.
 9.25—Music.

10.0-11.0—Serenade Orchestra from
 Kiel. Conductor: Döring. Trude-
 Maria Schnell (Soprano). Overture,
 "Jessonda" (Spohr). Aria, "Tann-
 häuser" (Wagner). Norwegian
 Artists' Carnival (Svendsen). Ocean
 Aria (Weber). Theme and Vari-
 ations from the Mozart Suite (Tchail-
 kovsky). Ballet, "The Bartered
 Bride" (Smetana).

HILVERSUM (1,875 m.) (Holland)

160 kc/s; 10 kW until 2.40 p.m.,
 100 kW from 2.40 p.m.
 V.A.R.A. Programme. 7.40 a.m.—
 Records. 9.10—Talk. 9.40—V.P.R.O.
 Religious Programme. 9.55—Talk
 and Records. 11.40—Light Music.
 1.40 p.m.—For Women. 1.55—
 Chamber Music. Conductor: Wigge-
 laar. 2.40—For Children. 5.10—
 Light Music. 6.40—Sports. 6.55—
 Children's Choir. 7.20—Talk; News.
 7.50—Accordion Band. v. Dongen
 (Songs). 8.25—February Revue
 (Pleyzier-de Vries), Music by Rossican.
 8.55—Residentie Orchestra. Con-
 ductor: v. Lier. 9.40—News;
 Address.
 9.55—Residentie Orchestra (contd.).
 Mme. Hendricks-Zalsman (Songs). 10.25
 —Mignon Quintet. 10.55-11.40—
 Records; Rossican (Pfte.).

HILVERSUM (301.5 m.) (Holland)

995 kc/s 15 kW until 2.40 p.m.
 and 60 kW from 2.40 p.m.
 N.C.R.V. Programme.
 7.40-9.10 a.m.—Bible Reading; Medi-
 tation; Records. 10.10—Religious
 Programme. 10.40—Van der Horst
 Ensemble. In the intervals: Records;
 News. 12.55 p.m.—Records. 1.10—
 Blaauw (Organ). 2.10—Frisian Music.
 Bierma (Songs) and Baartscheer (Pfte.).
 2.55—Reading.
 3.40—Sacred Songs. de Heer (Songs)
 and Verver (Violin). 4.40—For Child-
 ren. 5.40-6.10—Talk: Agriculture.
 6.40—News; Report; Talk. 7.40—
 News.
 7.55—N.C.R.V. Orchestra. Conductor:
 v. d. Hurk. In the interval at 8.40:
 Talk and at 9.40: News; Talk.
 10.25-11.10—Records.

KALUNDBORG (Denmark)

238 kc/s (1,261 m.); 60 kW.
 Relayed by Copenhagen, 1,176 kc/s
 (255.1 m.).
 Transmits at intervals from 6.0 a.m.
 11.0 a.m.—1.0 p.m.—Nielsen String
 Ensemble. 1.50—Records. 2.20-4.20—
 Prell's Instrumental Ensemble. At
 3.10—Reading. 4.35—Exchange;
 Markets. 4.50—Talk. 5.20—French
 Lesson. 5.50—Wireless Notes. 6.0—
 Time; News. 6.30—For Farmers.
 7.0—Chimes; Operetta Overtures.
 Radio Orchestra. Conductor:
 Grøndahl. "The Drum-Major's
 Daughter" (Offenbach). "The
 Mikado" (Sullivan). "Light
 Cavalry" (Suppé).
 7.25—"The Hansen Family"—Sketch
 (Locher).
 7.40—Concerto grosso in D for
 Strings and Harpsichord (Corelli) by
 the Radio Orchestra. Conductor:
 Grøndahl.
 8.0—Reading (Hans Andersen).
 8.15—Schumann Duets by Anna
 Hagen and Edith Schmidt. Mailied.
 Wenn ich ein Vöglein war. An die
 Nachtigall. An den Abendstern.
 Bedeckt mich mit Blumen. Früh-
 lingslied. Schön Blümlein.
 8.35—Students talk about themselves.
 9.5—News.
 9.20—Records: "The Miller's Death,"
 from "Russalka" (Dargomjisky) by
 Chaliapin.
 9.30-10.0—Danish Music by the Radio
 Orchestra. Conductor: Grøndahl.
 Excerpts, "Weyland the Smith"
 (Henriques). Festival Overture
 (Gram).

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 5.3 a.m.
 11.0 a.m.—Band. 12.0 noon—News.
 12.15 p.m.—Band. 1.0 p.m.—
 News. 1.15—The Cozy Corner. 2.0
 —Markets; Exchange. 2.10—Hints

WEDNESDAY (February 19)

for Carnival. 2.20—For Girls. 2.45—Talk: European Capitals—Warsaw. 3.0—Orchestra. Conductor: Kallipke. 4.20—Sports. 4.30—Dialogue: Films. 4.50—Markets. 5.0—See Frankfurt. 6.45—Topical. 7.0—News. 7.15—See Deutschlandsender. 7.45—“The Master of Nadelheim”—Play (Tissot). 8.10—Old Music—Small Station Orchestra. Conductor: Kaestner. Adelheid Armhold (Soprano); Walter Schulz (Viola da Gamba). Overture. “Euristoe” (Hasse). Two Arias (Handel); (a) Es blaut die Nacht, (b) O holder Schlaf. Don Quixote (Telemann). Two Arias (Gluck). Gamba Concerto (Tartini). 9.0—News. 9.20—Reading from “Octavia” (Seneca), in German. 9.40—11.0—Light Music and Dance Music from Cologne.

LEIPZIG (Germany) 785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.). Transmits at intervals from 5.0 a.m. 11.0 a.m.—Orchestra. 1.0 p.m.—News; Exchange. 1.15—Variety from Deutschlandsender. 2.0—Anniversaries. 2.5—Art Topics. 2.50—Markets. 3.0—“A Trip round the World”—Sequence (Müller-Hennig). 3.30—Sonata in F sharp minor (Reger), by Edith von Voigtländer (Violin) and Blumer (Pfte.). 4.0—News. 4.10—Legal Talk. 4.30—Music. 4.40—Talk. 5.0—See Frankfurt. 6.45—Talk. Youth. 6.50—Topical. 7.0—News. 7.15—See Deutschlandsender. 7.45—Leipzig Symphony Orchestra. Guest Conductor: Buschköttler. Overture to a Shakespeare Comedy (Scheinpflug). Böcklin Suite (Reger). Symphony in C minor (Klussmann). 9.0—News. 9.30—11.0—See Cologne.

LILLE (Radio PTT Nord) (France) 1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.50 a.m. 8.0 p.m.—Time; Records. 8.30—Symphony Concert from the Conservatoire, Turcoing. Colette Schultz (Pfte.), Ernest Desbuquois (Saxophone). The Scottish Symphony (Mendelssohn). Pfte. Concerto in C minor (Beethoven). Siberia (Woollet). Pfte.: (a) Prelude in B minor (Chopin). (b) Warum (Schumann), (c) Papillons (Schumann), (d) Polonaise (Liszt). La Chasse du Prince Arthur (Ropartz). Introduction and Wedding Procession. “The Golden Cockerel” (Rimsky-Korsakov). 10.30—News.

MADRID (EAJ7) (Spain) 1,095 kc/s (274 m.); 10 kW. Transmits at intervals from 8.0 a.m. 8.15 p.m.—News; Guitars. 8.15—Literary Talk; Station Orchestra. 10.0—Chimes; News; Recital (contd.). 11.15—Dance Music. 11.45—News. 12.0 m.—Chimes.

MONTE CENERI (Switzerland) 1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 11.0 a.m. 6.0 p.m.—Records. 6.15—Markets. 6.30—Records. 6.45—News. 7.0—“Locarno of Yesterday and To-day”—Sequence (Elio Bossi), with Choral and Mandoline Music. Part I: History and Religion. Chimes from the Church of La Madonna del Sasso; Old Locarno Families; Choral Music. Part II: Locarno and Peace. The 1935 Conference; The Peace Museum. Part III: Illustrious Guests—Extracts from the Town Chronicles; Leoncavallo Music. Part IV: Carnival. The Proclamation of the Carnival King. Mandoline Music. 8.30—9.15—Radio Orchestra. Aviators' March (Blon). Waltz, Gelbe Rosen (Suppé). Suite (Guiraud). Dance, Asturiana (Pedrollo). Intermezzo, “Adriana Lecouvreur” (Cilea). Selection, “The Circus Princess” (Kálmán). 9.15—Weather.

MOSCOW (No. 1) (Russia) 174 kc/s (1,724 m.); 500 kW. Transmits at intervals from 2.40 a.m. 5.15 p.m.—Vocal Ensemble. 6.0—Dramatic. 7.15—Concert. 8.0—Czech Programme: (a) Stories for Children, (b) Foreign Affairs. 9.5—English Programme: (a) July 1917, (b) Sports, (c) “Ten Years Ago”—Play, (d) News. 10.0—German Talk on Spitzbergen; Records.

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.—Orchestra. 1.20—1.40 p.m.—News.

2.40—“The Rifle Cantata”—A Topical Sequence (Bedall). 3.0—Markets. 3.10—Reading. 3.30—For Children. 4.0—Arias (Bach and Telemann) and Five Humoresques (Dvořák). 4.30—The Enigma of the Moon—a Discussion with Philipp Fauth. 4.50—Markets. 5.0—Leo Schneider Band and Soloists. 7.0—News. 7.15—See Deutschlandsender. 7.45—Carnival Programme, including “The Negress”—Sketch (Lankes). 9.0—News. 9.20—To be announced. 9.30—Dancing Lesson. 10.0—11.0—Station Dance Band.

OSLO (Norway) 260 kc/s (1,153.8 m.); 60 kW. Relayed by Fredrikstad, 776 kc/s (386.6 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 10.30 a.m. 4.0 p.m.—Café-Concert. 4.55—For Boys: A Visit to Amundsen's House. 5.25—French Lesson. 5.50—News. 6.0—Announcements. 6.15—Weather. 6.30—Time. 6.31—For Farmers. 6.40—Talk. 7.0—Station Orchestra. Conductor: Kramm. Pieces (Bach): (a) Gigue and Fugue, (b) Suite, (c) Gavotte. Suite (Coates). Ballet Music, “The Sleeping Beauty” (Tchaikowsky). In the interval at 7.30: Talk, 8.40—Weather. 8.45—News. 9.0—Topical. 9.15—Bridge. 9.35—10.0—Records.

PARIS (Eiffel Tower) (France) 1,456 kc/s (206 m.); 20 kW. Transmits at intervals from 8.0 a.m. 5.15 p.m.—Talk by M. Vandervelde from the Ambassadeurs: Republican Monarchies. 6.45—Music Talk. 7.0—News. 7.19—Time. 7.20—Foreign Affairs. 7.45—Records. 8.0—Talk: Paris Home Affairs. 8.30—“L'Oiseau Bleu” (Albert Wolff).

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—An Interview. 12.39—Records. 12.50—Lecouona Orchestra. 2.0, 3.15, 3.45, 4.35, and 6.15—Exchange. 6.20—Jewish Religious Programme. 6.35—Topical. 6.49—Records. 7.2—Talk. 7.5—News. 7.28—Aviation. 7.35—Records. 8.15—“In the Reformatory”—Variety. 8.45—Lightning Sketches. 8.50—Talk. 9.5—Spanish Music. Station Orchestra. Conductor: Balay. Esmeralda (Castanets). 9.35—Talk by Paul Reboux. 9.50—Relay from the Caprice Viennois. 10.30—11.0—Records: Light Music.

PARIS (PTT) (France) 695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.50 a.m. 5.0 p.m.—Paris Symphony Orchestra. Conductor: Clergue. 5.30—Shipping. 5.40—Medical Talk. 5.55—Commercial Review. 6.0—Paris Symphony Orchestra. Conductor: Clergue. Marius Casadesus (Violin). Ballet (Reyer). Aria in the Old style (Pons). Violin: (a) Abendlied (Schumann), (b) Concert (Somis-Casadesus), (c) Pour invoquer Pan (Debussy), (d) Prelude and Allegro (Pugnani). 6.30—News; Topical. 7.38—Symphonie Légendaire (Godard), by the Paris Symphony Orchestra. Conductor: Clergue. 8.0—Tourist Report. 8.15—Anniversaries. 8.20—Three Poems from “Crépulescences d'automne” (Aubert), sung by Lise Granger-Daniels. Grisaille. Silence. Brodeuses. 8.30—France in Song—Talk by Desforts with Illustrations by Irene Glineur and Philippe André. 9.0—Paul Brunold (Harpischord and Clavichord). Harpischord: (a) Le Carillon de Cythere (Cuperin), (b) Sarabande and Gigue (Diupart), (c) La Poule (Rameau). Clavichord: (a) Le Qui de Saint-Paul (Farnaby), (b) La chute de la feuille (Martin-Peerson).

9.15—Chamber Music. Pasquier Trio, Jeanne Isnard (Violin) and Roger Bourdin (Songs). Serenade in D (Beethoven). Songs (Debussy): (a) Le Promenoir des Deux Amants, (b) Colloque sentimental, (c) Mandoline. Violin: Rondo (Mozart). Songs (Beydts): (a) Mademoiselle Rose, (b) L'eau claire, (c) Bonjour Monsieur, (d) Nocturne, (e) Petite Noix (Beydts). Violin: Andante (Faure). 10.30—News. 11.0—U.S.A. Bulletin by John B. Whitton.

PARIS (Radio-Paris) (France) 182 kc/s (1,648 m.); 80 kW. 6.45 a.m.—Gym. 7.0—Records. 7.15—News. 7.45—Gym. 8.0—Legal Talk. 8.15—Records. 11.0—National Orchestra. Conductor: Morel. 12.0 noon—Talk for Farmers. 12.10 p.m.—Social Assurance Report. 12.15—

National Orchestra. Conductor: Morel. Maya Feline (Songs). In the interval from 12.45-1.0: News and Review. 2.0—Reading by M. Dorival: (a) Poems (Guillemard), (b) A Tale (Mme. Delord Testa). 2.30—Orchestra. Conductor: Tomasi. Alice Raveau (Songs). Schumann, Fauré and Charpentier Music. 4.0—Mme. Roger-Miclos (Pfte.); Mlle. Gatineau (Songs). 4.30—Chamber Music Records. 5.0—Science Talk. 5.15—Book Review.

5.30—Paris Symphony Orchestra. Conductor: Clergue. Marius Casadesus (Violin). Overture, “Jeanne d'Arc” (Verdi). Hedda (le Borne). Violin: (a) Aria (Bach), (b) Chaconne (Vivaldi). 6.0—For Young People. 6.30—Talk: The Life of Lully, with Illustrations by the Paris Symphony Orchestra. Conductor: Clergue. 7.30—Talk: Contemporary French Poetry. 7.45—Poems (Eugène le Mouel). 8.0—Lucien Daninos and Nadia de Cléry (Songs). Daninos: (a) L'heure exquise (Hahn), (b) Cradle Song (Gretchaninov), (c) Madrigal de Ronsard (Levadé), (d) Ideale (Tosti). Nadia de Cléry: (a) Heidenröslein, (b) Die Stille (Schumann), (c) Ständchen (Strauss), (d) Minuet (Lully). 8.30—News. 8.45—Three Plays: (a) “L'unique combat du bateau piège Le Laborieux” (René Besson), (b) La Tour d'Auvergne (d'Abzac-Charlier), (c) “L'Appel des Trépassés” (Mme. Douglas d'Estrac). 10.45—Time; Dance Music—Bailly Orchestra. Marcel Girard (Songs). 11.15-12.15 a.m. (Thursday)—Light Music—Bailly Orchestra. Arrue (Violin). Girard (Songs). Overture, “L'Ecosais de Chatou” (Delibes). L'Eglise de Village (de la Presle). Selection, “Véronique” (Messager). Violin: Soir au jardin (Bailly). Waltz, La Housarde (Ganne). Neapolitan Song (d'Ambrosio). Serenade (Gounod). Selection, “Le roi d'Ys” (Lalo). La Toupie (Gillet). Ballet Music, “Les deux pigeons” (Messager). March (Ganne).

PRAGUE (Czechoslovakia) 638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.15 a.m. 3.0 p.m.—Exchange; Weather. 3.10—Orchestra. 3.55—Play for Children. 4.40—Record. 4.45—Industrial Review. 4.55—Record. 5.0—For Workers. 5.10—Talks in German. 5.45—News (in German). 5.55—Record. 6.0—News; Record. 6.15—Topical. 6.25—Sokol Trumpet Corps. 7.5—Literary Report. 7.20—Women's Choir, Maxian and Kreda (Ptes.). Songs (Hippmann): (a) In the Forest, (b) Starry Night, (c) The Reaper. Five Duets (Malat). 7.50—“A Farewell Supper”—Play (Schnitzler). 8.25—Violin Concerto (Mlynarski). 9.0—Time; News. 9.15—Records. 9.45—News (in French).

RADIO-NORMANDIE (France) 1,113 kc/s (269.5 m.); 15 kW. 7.0 a.m.—Records. 7.20—News. 7.48—Racing. 7.53—For Housewives. 8.0—Records. 8.15—Time; Records. 8.30—Songs. 8.45—Light Music. 9.0—Time, Orchestra. 9.15—Light Music. 10.0—Operetta Music. 11.0—Chansonnettes. 12.0 noon—Recitations. 12.15 p.m.—Records. 12.30—Concert. In the interval at 12.45: News. 3.30—Records. 4.0—Tea-Time Hour. 4.45—Children's Corner. 5.0—Time; Records. 5.15—Edith Lorand and Orchestra. 5.30—Light Music. 6.0—For Children. 6.45—News. 7.0—Concert. Trink Trink (Lindemann). March, “Tannhäuser” (Wagner). Si j'étais un rayon de lune (Rabey). Sourire d'avril (Depret). Sa robe blanche (Daverdier). Un peu d'amour (Silesu). Selection, “A Waltz Dream” (O. Strauss). 7.45—An Interview. 7.55—Talk. 8.5—Duet Records. 8.30—Records. 9.0—Literary and Musical Programme. Trio, Jacqueline Boury (Songs) and Brunshwig (Violin). Introductory Talk. Trio in B flat (Beethoven). Songs: (a) The Dreary Steppe (Gretchaninov), (b) The Soldier's Bride (Rachmaninov). Talk. Trio (Loillet). Piece for Violin and Cello (Bach-Rossor). Humorous Talk. Violin Solos. Songs: (a) Chanson du petit cheval (de Séverac), Rondelet de l'été (Pouyer), Au Pays Normand (Pouyer). Trio: Arab Songs and Dances (Kouguell). 11.0—Dance Music. 11.30—News. 11.40—Cabaret. 12.0 m't-2.0 a.m. (Monday)—Dance Music. In the interval at 12.30: Time.

RADIO-ROMANIA (Brasov) (Romania) 160 kc/s (1,875 m.); 150 kW. See Bucharest.

ROME (Italy) 713 kc/s (420.8 m.); 50 kW. Relayed by Naples, 1,104 kc/s (271.7 m.); Bari (No. 1), 1,059 kc/s (283.3 m.); Bari (No. 2), Milan (No. 2), and Turin (No. 2), 1,357 kc/s (221.1 m.). Transmits at intervals from 6.45 a.m. 4.0 p.m.—News; Exchange. 4.15—See Turin. 4.55—Snow Report. 5.0-5.10—For Farmers; Markets. 5.50—Dopolavoro Notes. 6.0—Announcements; Tourist Talk (German). 6.20—News (English). 6.44—News (French). 7.5—Time; Announcements; Talk by Senator Davanzati. 7.15—News. 7.35—“La fiamma”—Opera in Three Acts (Respighi) relayed from the Opera. Conductor: Serafini. Cast: Gina Cigna, Giuseppe Luccioni, Mario Basiola, Gilda Alfano, Maria Benedetti. In the intervals: Talks; News. SOTTENS (Switzerland) 677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.). 9.5-9.35 a.m.—For Schools. 11.30—News. 11.40-1.0 p.m.—From Geneva. 11.40—Records. 12.0 noon—Review. 12.3—Fridolin and Partner. 12.15-1.0—Records. 3.29—Time. 3.30-5.0—See Beromünster. 5.0 till Close—From Geneva. 5.0—For Children. 5.20—For Young Stamp-collectors. 5.35—Records. 5.40—For Mountain Lovers. 5.50—Chess. 6.10—Records. 6.15—Science Talk. 6.40—Review. 7.0—Old Swiss Psalms (Alder, Wannanmaecker). 7.20—Topical. 7.35-10.30—Symphony Concert from the Grand Theatre, Geneva. Paul Hindemith (Viola) and the Radio Suisse romande Orchestra. Conductor: Ansermet. Harold in Italie (Berlioz). Viola Concerto (Hindemith). Matthias der Maler (Hindemith). In the interval at 9.20: News.

STOCKHOLM (Sweden) 704 kc/s (426.1 m.); 55 kW. Relayed by Motala, 216 kc/s (1,389 m.); Göteborg, 941 kc/s (318.8 m.); Hörby, 1,131 kc/s (265.3 m.); and Boden, 392 kc/s (765 m.). Transmits at intervals from 6.20 a.m. 4.5 p.m.—Service. 4.30—For Children. 4.45—Records. 5.45—German Lesson. 6.30—Talk. 7.0—Third Symphony (Mendelssohn). Norrköping Orchestra. Conductor: Freudenthal. 7.45—Talk: The Mail through Three Centuries. 8.45—News. 9.0-10.0—Dance Music.

STRASBOURG (France) 859 kc/s (349.2 m.); 120 kW. Transmits at intervals from 6.45 a.m. 5.30 p.m.—French Music. Orchestra. Conductor: de Villers. Symphonie descriptive (Berlioz). Selection, “The Fair Maid of Perth” (Bizet). Suite, Carnaval d'Athènes (Bourgausq-Ducourray). Un Dimanche Basque (Laparra). Ballet, “Patrie” (Paladilhe). 6.30—Legal Talk. 6.45—Records. 7.0—Roberte Rauch (Soprano). Air (Handel). Le Sommeil des Fleurs (Saint-Saëns). Le Printemps (Saint-Saëns). Le Soir (Delaunay). L'âne qui chante (Delaunay). Georgian Song (Balakirev). Alla stella confidente (Robaudi). 7.30—News. 7.45—News (German). 8.10—Records. 8.30—Strasbourg Municipal Orchestra, from the Palais des Fêtes. Conductor: Paul Paray.

STUTT GART (Germany) 574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Orchestra from Saarbrücken. In the interval at 12.0 noon: News. 1.0-2.0 p.m.—See Deutschlandsender. 2.30—For Boys. 3.0—See Deutschlandsender. 4.40—Report: From Dairen to Harbin—Across Manchuria in the Asia-Super-Express. 5.0—See Frankfurt. 6.45—Talk by Klara Nordström: Germany and Sweden. 7.0—News. 7.15—See Deutschlandsender. 7.45—The Humst-Bumst Circus—Gala Variety. 9.0—Time; News. 9.30—See Cologne. 11.0-1.0 a.m. (Thursday)—Serenade. Station Orchestra. Conductor: Steffen; South German Trio; Schäfer, Höfling and Minholf (Violins). Concerto in F for Three Violins and Strings (Telemann). Passacaglia (Handel-Halvorsen). Divertissement in F (Haydn). Trio in G (Mozart). Symphony No. 6 in C (Schubert). Passacaglia and Fugue (Schaub).

TOULOUSE (Radio-Toulouse) (France) 913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.15 a.m. 6.0 p.m.—Exchange. 6.5—Soloists. 6.15—Film Music. 6.30—Orchestra.

6.45—News. 6.50—Songs. 7.5—Cigany Band. 7.30—News. 7.45—Songs. 7.50—Talk. 7.55—Excerpts, “The Merry Widow” (Lehár). 8.15—Light Music. 8.30—Bach and Laverne. 8.50—Band. 9.0—“Le Tarn-et-Garonne”—Fantasy. 9.35—Operetta Music. 9.50—Light Music. 10.10—Excerpts, “Fortunio”—Operetta (Messager). 10.30—News. 10.45—Dance Music. 11.0—Light Music. 11.15—“Idylle au Caire”—Fantasy. 11.45—Salon Orchestra. 12.0 m't—Music-Hall. 12.15 a.m. (Thursday)—News. 12.20-12.30—Marches.

TURIN (No. 1) (Italy) 1,140 kc/s (263.2 m.); 7 kW. Relayed by Milan (No. 1), 814 kc/s (368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,222 kc/s (245.5 m.); Florence, 610 kc/s (491.8 m.); Bolzano, 536 kc/s (559.7 m.). Transmits at intervals from 6.45 a.m. 4.0 p.m.—News. 4.15—Lecture-Recital: Corelli. 4.55—Announcements. 5.10—Talk. 5.50—Dopolavoro Notes. 6.0—News in Foreign Languages. 7.5—Announcements; Talk by Senator Davanzati. 7.15—News. 7.35—Programme by Bolzano University Students. 8.35—“The Lost Letter”—One-Act Play (Nicodemi). 9.10—Milan Madrigal Society. Il piacere (Gastoldi). Lasciatemi morire (Monteverdi). Sparge la morte (Da Veneta). Lo Schemito (Gastoldi). Folti boschetti (Belliosio). Anima mia persona (Monteverdi). Tutta gentile e bella (Nanino). 9.45—Dance Music. 10.0—News. 10.15-10.30—Dance Music.

VIENNA (Austria) 592 kc/s (506.8 m.); 100 kW. Relayed by Graz and Linz, 886 kc/s (338.6 m.); Innsbruck, 519 kc/s (578 m.); Dornbirn, Klagenfurt, and Vorarlberg, 1,294 kc/s (231.8 m.); and Salzburg, 1,348 kc/s (222.6 m.). Transmits at intervals from 6.0 a.m. 3.50 p.m.—“Humour in Old Chamber Music”—Hilde Sinek (Soprano), and Edith Steinbauer (Violin). 4.45—Art Review. 4.55—Talk. 5.20—Esperanto Lesson. 5.45—News. 5.55—“Dame im Traum”—Opera (Salhofer) from the State Opera. In the interval at 7.40 (approx.): Talk on the Opera by Dr. Alfred Rosenzweig. 9.0—News. 9.10—Film Music by the Modernes Quartet. Lass uns die Sorgen mit Musik vertreiben (Doelle). Natascha (Margules-Holmes). Traum mein kleines Baby (Hajos-Meisel). Es geht auch ohne Auto (Kollo). Ins blaue Leben (Erwin). Parlez moi d'amour (Bixio). Song, “Carmin” (Bizet-Führich). Das macht die Liebe (Grothe). Wood-cutter's Song (Beece). Tempo, Tempo (Spoliansky). An der Donau, wenn der Wein blüht (Grothe-Melichar). Sei mir wieder gut, kleine Frau (Steiz). Lieber Kamerad (Steiz). 10.0—News. 10.15-12.0 m't—Kaufmann 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.); Łwów, 795 kc/s (377.4 m.); Poznań, 868 kc/s (345.6 m.); Torun, 986 kc/s (304.3 m.); and Wilno, 536 kc/s (559.7 m.). Transmits at intervals from 5.30 a.m. 10.57 a.m.—Time. 11.0—Fanfare. 11.3—News. 11.15—Talk. 11.30—(from Łwów)—Sredynski Orchestra. 12.25-12.30 p.m.—For Housewives. 2.15—News. 2.20—Exchange. 3.30—Records. 3.0 (from Łwów)—Reading (Kipling). 3.20—“Folk Songs of Many Lands”—“Kitsman” Choir. 3.45—Discussion between a Musician and a Listener. 4.0—Talk. 4.20—Station Orchestra. Conductor: Gorzynski. 4.50—Talk on Economics. 5.0 (from Cracow)—Violin Sonata (Szymanowski) by Mikuszewski. 5.30—Letter-box. 5.40—Talk. 5.45—Announcements. 5.55—Social Problems. 6.5—Announcements. 6.35—Sports. 6.50—Topical Talk. 7.0—Records: Film Music. 7.45—News. 7.55—Chopin. Muenzer (Pfte.). Szelimska (Songs). Waltz in A flat. Preludes in E flat, C minor and B flat. Variations on a Bellini March (Chopin-Liszt). Three Songs. Three Etudes. 8.35—1935-1936 Literary Programme. 8.50—Talk on Economics. 9.0—Dance Music. 10.0—Weather. 10.5—Dance Records. 10.30—Talk in English.

5 p.m.

ATHLONE, 5.30 - Hobbies and Handicrafts, Songs, Pfte. BERLIN, See Königsberg. BEROMÜNSTER, Records. Talk. BRESLAU, See Königsberg. BRUSSELS (1), Cigány Band, For Children. BRUSSELS (2), Danish Folk Dances, For Children. BUDAPEST (1), Choir, Talk. 5.50 - Cigány Band. COLOGNE, Orchestra and Soloists. DEUTSCHLANDSENDER, "Old Masters of Belcanto" - Nissen (Baritone). 5.30 - Interview with a Picture Restorer, Sports. EIFFEL TOWER, 5.30 - Lecture from the Sorbonne. FRANKFURT, See Königsberg. HAMBURG, See Königsberg. HILVERSUM (1,875 m.), Play, Talk. 5.40 - Lajos Orchestra. HILVERSUM (301.5 m.), Violin and Pfte. (contd.). 5.40 - Records. KALUNDBORG, Talk. 5.20 - English Lesson, Notes. KÖNIGSBERG, Light Music - Bands. LEIPZIG, See Königsberg. MOSCOW, 5.15 - Soprano and Bass. MUNICH, See Königsberg. OSLO, Service, Talk, News. PRAGUE, German Talks. 5.45 - News (German), Records. RADIO-NORMANDIE, Time, Light Music. 5.15 - Songs. 5.30 - Tchaidkovsky. RADIO-PARIS, "Man is his own Gaoler" - Play (Calderon). ROME and TURIN, Symphony Concert. SOTTENS, Song Records, For Women, Records. STOCKHOLM, Elifé Orchestra. 5.45 - English Lesson. STUTTGART, See Königsberg. VIENNA, 5.5 - Review, Talk. WARSAW, Jaroszewicz-Hulanicka (Pfte.), Talks, Announcements.

6 p.m.

ATHLONE, Songs, Pfte. 6.15 - Cellidhe Band Competition. Part II. 6.45 - News. BERLIN, See Königsberg. Review. BEROMÜNSTER, Time, Announcements, League of Nations Report, Talk. 6.50 - Denzler and Radio Orchestra. BRATISLAVA "Aida" (Verdi). BRESLAU, See Königsberg. Topical. BRUSSELS (1), For Children, Talk. 6.30 - Lecture-Recital: The Folk Song. BRUSSELS (2), For Children. 6.15 - Cigány Band, Talk. BUCHAREST, News. 6.15 - Marie Anda (Songs), Announcements. 6.45 - Song Records, Talk. BUDAPEST (1), Cigány Band. 6.50 - Play. COLOGNE, Station Orchestra and Soloists, Snapshots. DEUTSCHLANDSENDER, Music. 6.15 - Topical. EIFFEL TOWER, Lecture (contd.), Theatre Notes. FRANKFURT, See Königsberg. Review, Announcements. HAMBURG, See Königsberg. 6.45 - New Music for Recorder by Schlen-sog. HILVERSUM (1,875 m.), Lajos Orchestra, Sports, For Children. 6.45 - Quartet. HILVERSUM (301.5 m.), Records, Talk. 6.40 - News. KALUNDBORG, Time, News, Talks. KÖNIGSBERG, Bands, Topical. LEIPZIG, See Königsberg. Review. MONTE CENERI, Ketyelby Records. 6.15 - Italian Lesson. 6.30 - Records. 6.45 - News. MOSCOW, Concert from Leningrad. MUNICH, See Königsberg. Discussion. OSLO, News. 6.30 - Time, Talk. PARIS (PTT), Songs and Pfte. 6.30 - News, Topical. POSTE PARISIEN, 6.15 - Exchange, Talk, For Children. PRAGUE, News. 6.10 - Records. 6.15 - English Lesson. Talk. 6.35 - Station Orchestra. Conductor: Parik. RADIO-NORMANDIE, Opera Music, 6.45 - News. RADIO-PARIS, Play (contd.), Talk. RADIO-ROMANIA, See Bucharest. ROME, Announcements, Talk (Spanish). 6.20 - News (English), News (French). SOTTENS, Records, Talk. 6.30 - Dance Records, Talk. STOCKHOLM, English Lesson. 6.15 - News. 6.30 - Choir. STUTTGART, See Königsberg, Announcements. TOULOUSE, Exchange. 6.5 - Cigány Band, For Children. 6.45 - News, Guignol. TURIN, News (Foreign Languages). VIENNA, Time, News, Records and Sandauer (Pfte.). WARSAW, Announcements, Talk.

7 p.m.

ATHLONE, Competition (contd.). 7.30 - Kavanagh reads. 7.40 - Prison Escapes No. 10. 7.55 - Station Orchestra.

BERLIN, News. 7.10 - Station Orchestra. Conductor: Steiner. Voggenauer (Songs). BEROMÜNSTER, Denzler and Radio Orchestra. 7.50 - Zürich Picture Book. BRATISLAVA, "Aida" (contd.). BRESLAU, News. 7.10 - Dance Band Competition. BRUSSELS (1), Review, Record, Review. BRUSSELS (2), Station Cigány Band, Record, Art Notes. BUCHAREST, Talk. 7.15 - Philharmonic Orchestra. BUDAPEST (1), Play, Foreign Affairs. COLOGNE, News. 7.10 - "Old Wives' Carnival" - Orchestra; Choir; Soloists; Entertainers. DEUTSCHLANDSENDER, Motto, News. 7.10 - February Programme. EIFFEL TOWER, [7.20 - Foreign Affairs. 7.45 - Records. FRANKFURT, Time, News. 7.10 - "Col. Lawrence - Revolt in the Desert" - Play (Laven). HAMBURG, News. 7.10 - Station Dance Band and Soloists. HILVERSUM (1,875 m.), Quartet. 7.10 - English Lesson. 7.40 - Time, News, Records. 7.55 - Concertgebouw Orchestra from the Concertgebouw, Amsterdam. Conductor: Bruno Walter. HILVERSUM

TOULOUSE, Orchestra. 7.30 - News. 7.45 - Operetta Songs. TURIN, 7.5 - Time, Announcements. 7.15 - News. 7.45 - "Mefistofele" (Boito). from La Scala, Milan. VIENNA, Records and Pfte. (contd.). 7.45 - "Adventure in Greenland" - Nine Scenes (Beer). WARSAW, Cabaret. 7.45 - News, Talk. 8 p.m. ATHLONE, Orchestra (contd.). 8.25 - Variety - Jimmy O'Dea and Company. BERLIN, "Collegium Iusticum" - Cabaret with Music. BEROMÜNSTER, News. 8.10 - Folk Songs. Wipkingen Male Voice Choir. 8.45 - Dance Band. BRATISLAVA, "Aida" (contd.). BRESLAU, Competition (contd.). BRUSSELS (1), Light Music - Station Orchestra. Conductor: Doulice. Misson (Violin). 8.30 - Cabaret. BRUSSELS (2), Vienna - Orchestral Concert. 8.45 - Talk. BUCHAREST, Orchestra (contd.). BUDAPEST (1), 8.5 - Records. 8.30 - News. COLOGNE, "Old Wives' Carnival" (contd.). DEUTSCHLANDSENDER, Fourth

PRINCIPAL EVENTS

SYMPHONY CONCERTS

P.M. 4.0 Rome, Turin: From Naples. 7.0 Oslo: Philharmonic, Orloff (pfte.). 7.10 Kalundborg: Fitz and Adolf Busch. 7.15 Bucharest: The Philharmonic. 7.30 Regional: Hallé Orch., Beecham. 7.30 Stockholm: Beethoven, Chopin, Egk. 7.55 Hilversum (1,875 m.): Bruno Walter. 8.0 Deutschlandsender: Bruckner's Fourth. 8.45 Radio-Paris: Czech Concert.

LIGHT CONCERTS

12.15 Radio-Paris: Orchestra. 3.0 Deutschlandsender: Gaden band. 5.0 Brussels 1: Cigány band. 6.30 Stockholm: Choral music. 7.10 Cologne: Carnival programme. 7.30 Sottens: Choir and Orchestra. 8.0 Brussels 2: Viennese Music. 8.10 Beromünster: Choir, folk-songs. 9.0 Radio-Normandie: Delibes. 9.0 Warsaw: Dutch music. 9.10 Vienna: Hubay programme. 10.0 Strasbourg: Orchestra. 11.0 Hamburg: Military Bands. 11.15 Radio-Paris: Light music.

OPERAS

6.35 Bratislava: "Aida."

(301.5 m.), Report, Press Review. 7.40 - News, Talk, Records. KALUNDBORG, Talk. 7.10 - Seventeenth Thursday Concert. Radio Symphony Orchestra. Conductor: Frita Busch. Adolf Busch (Violin). Bach, Haydn, Beethoven. KÖNIGSBERG, News. 7.10 - Mozart Cycle XV - Mozart in Vienna. Members of Station Orchestra. Armholf (Soprano), Pliquet (Tenor) Rasalski (Bass), Winkler (Pfte.). LEIPZIG, News. 7.10 - "The Last of the Serfs" - Ballad (Huchel) with Music. MONTE CENERI, Radio Orchestra. 7.30 - "Ticino Weddings" - Sketches. MOSCOW, Concert (contd.). MUNICH, News. 7.10 - Variety - Zither Quartet, Play, Band. OSLO, Symphony Concert. Oslo Philharmonic Orchestra. Conductor: Kielland. Orloff (Pfte.) - Andersen, Rachmaninov, Berlioz. PARIS (PTT), News, Topical, Talk, Weather. 7.38 - Destanges, Huber and Sorbier (Songs). POSTE PARISIEN, 7.7 - News, Records. 7.45 - Wiener and Doucet (Ptes.). PRAGUE, Orchestra (contd.). 7.35 - "Phaeton" - Play (Theer). RADIO-NORMANDIE, Concert, An Interview. 7.48 - News. RADIO-PARIS "At the Bottom of the Sea" - Play (Kubnick), Markets, Talk. Reading. RADIO-ROMANIA, See Bucharest. ROME, 7.5 - Time, Announcements, Talk. 7.15 - News. 7.35 - Variety, with the Marc'Aurelio Quartet. SOTTENS, Talks. 7.30 - Concert from Fribourg. Municipal Choir and Radio-Suisse romande Orchestra. STOCKHOLM, Talk. 7.30 - Radio Orchestra. Conductor: Thierfelder. Stockmarr (Pfte.) - Beethoven, Chopin, Egk. STRASBOURG, Eschrich (Pfte.). 7.30 - Time; News (French and German). STUTTGART, News. 7.10 - See Königsberg.

Symphony in E flat (Bruckner), by the Station Orchestra. EIFFEL TOWER, Home Affairs. 8.30 - "L'Anec de Buridan" - Comedy (de Fleurs-Caillaud). FRANKFURT, See Stuttgart. HAMBURG, Dance Band and Soloists. HILVERSUM (1,875 m.), Orchestra (contd.), Talk. HILVERSUM (301.5 m.), Talk, Records. 8.20 - "The Matthew Passion" (Bach). Berlin Philharmonic and Soloists. Conductor: Furtwängler. KALUNDBORG, Concert (contd.). KÖNIGSBERG, "Selling a Pup" - Humorous Programme with Music. 8.30 - Variety. LEIPZIG, See Berlin. MONTE CENERI, Sketches (contd.). 8.20 - Rubino (Clarinet), Dassetto (Pfte.). Cavallini - Rubino - Donizetti. 8.45 - Gershwin Records. MOSCOW, German Programme: Reading, Talk. MUNICH, Variety (contd.). OSLO, Concert (contd.), Talk, Records. 8.40 - News. PARIS (PTT), Talk, For Young People, Review. 8.30 - Old French Successes. POSTE PARISIEN, Ptes. (contd.). 8.15 - Exchange, Songs. 8.55 - Talk. PRAGUE, "Phaeton" (contd.). RADIO-NORMANDIE, 8.5 - Orchestra, Songs, Talk. 8.45 - Viennese Music. RADIO-PARIS, Féline (Songs), Soulima Stravinsky (Pfte.). 8.30 - Press Review. 8.45 - Czech Music - National Orchestra. Conductor: Jirak. RADIO-ROMANIA, See Bucharest. ROME, Variety (contd.). 8.35 - Chamber Music - Pilati (Pfte.), Ferrari (Violin) - Pilati, Paganini. SOTTENS, Concert (contd.). STOCKHOLM, Orchestra (contd.). 8.45 - News. STRASBOURG, Press Review (German). 8.10 - Orchestra. Conductor: de Villers. STUTT-

Feb. 20 THURSDAY

GART, "Island of Love" - Folk Play (Heynicke), Music by Lincke. TOULOUSE, Songs. 8.15 - Soloists. 8.30 - Orchestra. TURIN, "Mefistofele" (contd.). VIENNA, "Adventure in Greenland" (contd.). WARSAW, "Peter Plaskin" - Play with Music. 8.35 - Nawrocki Songs.

9 p.m.

ATHLONE, Variety (contd.). 9.30 - Variety. BARCELONA, 9.5 - Orchestra. 9.40 - Coemans (Violin). BERLIN, News. 9.30 - Dance Bands. BEROMÜNSTER, Dance Band. BRATISLAVA, "Aida" (contd.). 9.45 - News (Hungarian). BRESLAU, News. 9.40 - Dance Band. BRUSSELS (1), Talk. 9.15 - Light Music (contd.). BRUSSELS (2), "Hungary and Budapest" - Orchestra. 9.50 - Prayer. BU-

tival Concert. RADIO-PARIS, Czech Music (contd.). RADIO-ROMANIA, See Bucharest. ROME, Chamber Music (contd.). 9.15 - Talk. 9.30 - Dance Music. SOTTENS, Concert (contd.). 9.20 - News. STOCKHOLM, Records. STRASBOURG, Orchestra (contd.). 9.45 - Dance Records. STUTTGART, Time, News. 9.15 - "Carnival Magic" - Report. 9.35 - Dance Music from Berlin. TOULOUSE, Concert Version, "Don Quixote" (Massenet). 9.35 - Film Music, Music Hall. TURIN, "Mefistofele" (contd.). VIENNA, News. 9.10 - Hubay Concert. Conductor: The Composer, Vienna Symphony Orchestra. von Zathurecky (Violin). WARSAW, Dutch Music - Station Orchestra. Conductor: Neumark.

10 p.m.

ATHLONE, Variety. 10.30 - News, Light Music. BARCELONA, 10.5. News. 10.50 - Station Orchestra. BERLIN, Dance Bands. BRESLAU, Dance Band. BRUSSELS (1), News. 10.10 - Records. BRUSSELS (2), News. 10.10 - Records. BUDAPEST (1), Quartet (contd.). 10.20 - Dance Band. COLOGNE, 10.5 - Proclamation of the Cologne Prince Carnival, Carnival Programme (contd.). DEUTSCHLANDSENDER, Dance Band. EIFFEL TOWER, "L'Anec de Buridan" (contd.). FRANKFURT, See Berlin. HILVERSUM (1,875 m.), "The Merry Wives of Windsor" (contd.). 10.40 - News. 10.50 - Dance Band. HILVERSUM (301.5 m.), "The Matthew Passion" (contd.). 10.20 - News, Records. KALUNDBORG, Revue (contd.). 10.10 - Dance Band. KÖNIGSBERG, See Berlin. LEIPZIG, See Berlin. MADRID (EAJ7), Chimes, News, Sextet. MOSCOW, Spanish Talk. 10.30 - Portuguese Talk. MUNICH, Chamber Music (contd.). 10.30 - Dance Music. PARIS (PTT), Competition (contd.). 10.30 - News. POSTE PARISIEN, "Noix de Coco" (contd.). RADIO-NORMANDIE, Delibes Concert (contd.). RADIO-PARIS, Czech Music (contd.). 10.45 - Time, Dance Music. ROME, News, Dance Music. STRASBOURG, Light Orchestra. STUTTGART, See Berlin. TOULOUSE, "Woman" - a Fantasy. 10.30 - News, Soloists. TURIN, "Mefistofele" (contd.). News (Spanish). VIENNA, Hubay Concert (contd.). 10.25 - Announcements. 10.35 - Hietzing Ball from the Schönbrunn Palace. WARSAW, 10.5 - Dance Records.

11 p.m.

BARCELONA, Orchestra. 11.30 - Records. FRANKFURT, Carnival Programme. HAMBURG, Military Band Records. HILVERSUM (1,875 m.), Dance Band. HILVERSUM (301.5 m.), Records. KALUNDBORG, Time, Chimes, Dance Band. MADRID (EAJ7), Sextet. 11.45 - News. POSTE PARISIEN, "Noix de Coco" (contd.). RADIO-NORMANDIE, Dance Music. 11.30 - News. 11.40 - Cabaret. RADIO-PARIS, Dance Music. 11.15 - Light Music. STUTTGART, See Frankfurt. TOULOUSE, Songs. 11.15 - Dance Band. 11.30 - Songs. 11.45 - Orchestra. VIENNA, Ball (contd.).

12 midnight

BARCELONA, News. FRANKFURT, Carnival (contd.). RADIO-NORMANDIE, Dance Music; at 12.30: Time. RADIO-PARIS, Light Music. STUTTGART, See Frankfurt. TOULOUSE, Music Hall. 12.15 - News. 12.20 - Marches.

1 a.m. (Friday)

RADIO-NORMANDIE, Dance Music.

CHAREST, Orchestra (contd.). 9.15 - Records. 9.45 - News (French, German, Romanian). BUDAPEST (1), News. 9.20 - Pcter Quartet - Haydn, Beethoven. COLOGNE, Time, News. 9.20 - Dusseldorf and Mainz Old Wives' Carnival. DEUTSCHLANDSENDER, News. 9.30 - Sonatina in D (Schubert). Violin; Pfte. EIFFEL TOWER, "L'Anec de Buridan" (contd.). FRANKFURT, Time, News. 9.30 - See Berlin. HAMBURG, News. 9.25 - Music. HILVERSUM (1,875 m.), Talk. 9.10 - Excerpts, "The Merry Wives of Windsor" (Nicolai). HILVERSUM (301.5 m.), "The Matthew Passion" (contd.). KALUNDBORG, News. 9.15 - "What shall we name the Child?" - Revue from the Fonix Theatre. KÖNIGSBERG, News, Talk. 9.40 - Dance Music from Berlin. LEIPZIG, News. 9.30 - A Spreewald Ramble. 9.50 - Dance Music from Berlin. MONTE CENERI, Gershwin Records. MOSCOW, 9.5 - French Talks. MUNICH, Time, News. 9.30 - Chamber Music. Wind Instrument Ensemble. Conductor: Strom. Berber and Schaeette (Violins), Haass and Menzel (Violas), Hoenes (Cello), Noeth (Horn) Haydn, Mozart, Uldall. OSLO, Talk. 9.15 - Concert. 9.45 - Talk in English. PARIS (PTT), Old French Successes. 9.30 - The Leopold Bellan Prize - Annual Singing Competition. Conductor: Chobillon. POSTE PARISIEN, "Noix de Coco" - Comedy (Achar). PRAGUE, Time, News. 9.15 - Light Music and Dance Music. RADIO-NORMANDIE, Delibes Fes-

THURSDAY (February 20)

NATIONAL

For Time Signals, see Monday
 10.15 a.m. (Droitwich)—Service.
 10.30 (Droitwich)—Weather Forecast.
 10.45—At Home To-day.
 11.5—Cinema Organ (Henry Croudson).
 11.30—For the Schools: Regional Geography.
 11.50—Troadero Cinema Orchestra.
 1.0 p.m.—Records.
 2.0 (Scottish)—See Regional.
 2.5 (ex. Scottish)—For Schools: Discovering England. 2.30—World History; "Men and Machines," by L. du Garde Peach.
 3.0—Evansong from Westminster Abbey.
 3.50 (ex. Scottish)—Off Duty—Talks for Listeners at Leisure in the Afternoon—What do you think?
 3.50 (Scottish)—Records.
 4.10—BBC Welsh Orchestra; Conductor, Idris Lewis.
 5.15—Dave Frost and his Band.
 6.0—"The First News."
 6.25—Interlude.
 6.30—Foundations of Music. Brahms: Early Songs, sung by John Armstrong (Tenor).
 6.55—Spanish—Maria de Laguna.
 7.30—Ways and Means (2)—The Public Social Services—Health. By Paul Wilson.
 8.0—"The Doctor's Day"—A Ballad Comedy by Walter Pitchford. Cast includes Michael Cole, Emilie Broughton, Lorely Dyer, Ann Casson, Percy Underwood, Harry Hudson, F. Morton Howard, and Denis O'Neil. BBC Revue Chorus and Orchestra, conducted by Mark H. Lubbock.
 9.0—Remembrance of Things Past. Programme by those who recall the London and English scene of fifty years ago.
 9.30—"The Second News."
 10.0—Short Mid-Week Service, conducted by the Rev. W. H. Elliott, relayed from St. Michael's.
 10.20—BBC Orchestra (Section E), conducted by Julian Clifford: Elsie Hall (Pfte.): Two Poems, Winter, Spring (Bloch); Pfte. Concerto in D minor (Bach); Symphonic Poem, Tabor (Smetana).
 11.15-12.0 (Droitwich)—Dance Music. The BBC Dance Orchestra, directed by Henry Hall.

REGIONAL

For Time Signals, see Monday
 10.15-10.45 a.m. (except Midland)—Droitwich.
 10.45 (Scottish till 11.15)—Records.
 11.15 (Scottish)—Talk to Unemployed.
 11.40—Albert Taylor (Organ).
 12.15 p.m.—Bath Pump Room Orchestra.
 1.15—City of Birmingham Orchestra.
 2.0 (ex. Scottish)—Orchestra.
 2.0 (Scottish)—For Schools: Test. 2.5—Scottish Countryside. 2.30—World History. 2.55—Music.
 3.0 (ex. Scottish): Northern, Western from 3.25—Royal Marines Band; Bernard Ross (Baritone).
 3.0 (Western, Northern)—For Schools.
 3.30 (Scottish)—Mid-week Service.
 4.0—Variety.
 4.45—Robert Head (Organ).
 5.15—Children's Hour.
 6.0—"The First News."
 6.30 (Regional, N. Ireland): Scottish from 6.40—Troise and his Mandolins; Don Carlos (Tenor).
 6.30 (Northern, Midland, Scottish)—For Farmers.
 6.30 (Western)—Fishguard Eisteddfod, 1936—Talk by President.
 6.45 (Western)—Cinema Organ.
 6.50 (Midland)—Cinema Organ.
 6.50 (Northern)—Concert Party.
 7.10 (ex. Northern, Midland)—Sketch.
 7.10 (Midland)—Dialect Sketch.
 7.20 (ex. Northern, Midland)—Rhythmic Recollections.
 7.30 (Regional, Western, Northern)—Hallé Orchestra, conducted by Sir Thomas Beecham; Leon Goossens (Oboe). 8.25—Interval.
 7.30 (Midland)—"The Spectre's Bride" (Dvořák), Birmingham Festival Choral Society; conductor, Harold Gray.
 7.30 (N. Ireland)—Records.
 7.30 (Scottish)—BBC Scottish Orchestra; Josephine Healy (Soprano).
 7.42 (N. Ireland)—BBC N. Ireland Orchestra; John Davies (Pfte.). Stuart Robertson.
 8.30 (Scottish)—Poems.
 9.0 (Midland)—Jack Wilson.
 9.0 (N. Ireland)—Ulster Writes—9.0 (Scottish)—Variety.
 9.15 (Midland)—At the Langleys.
 9.15 (N. Ireland)—Belfast Programme.
 9.40 (Regional)—Pfte. Recital.
 9.40 (Western)—Records.
 9.40 (Northern)—Saxophone Quintet.
 10.0—News Summary.
 10.10-12.0 (Midland till 11.15; Scottish from 10.20)—Dance Music.
 10.10 (Scottish)—News Bulletin.

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 60 kW. Relayed by Dublin, 1,348 kc/s (222.6 m.); and Cork, 1,240 kc/s (241.9 m.).
 1.30-2.30 p.m.—Records. 5.30—Hobbies and Handicrafts; Songs; Pfte. 6.15—Ceilidhe Band Competition, Part 2. 6.45—News. 7.0—Competition (cont'd.). 7.30—Patrick Kavanagh—A Poet Reads. 7.40—Prison Escapes, No. 10.
 7.55—Station Orchestra. 8.25—Variety with Jimmy O'Dea and Company. 9.30—Variety. 10.30—What happened to-day; Light Music. 11.0—National Anthem.

BARCELONA (EAJI) (Spain)

795 kc/s (377.4 m.); 7.5 kW.
 Transmits at intervals from 7.15 a.m. 9.0—Chimes; Weather. 9.5—Station Orchestra. 9.40—Elisabet Coemans (Violin). In the interval at 10.5: News. 10.50—Station Orchestra. 11.30—Records. 12.0 m.—News.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW.
 Transmits at intervals from 5.0 a.m. 11.0 a.m.—Report from a Factory.
 11.30-1.0 p.m.—Programme from Munich. 1.0—News.
 1.15—Bund Band. 2.0—Exchange; Markets.
 3.0—"Songs of the Road"—Soloists and a Schrammel Ensemble. 3.30—Records.
 4.0—String Quartet (Taubmann), by the Fehse Quartet. 4.30—"Only a Copper!"—Sequence about an Old Coin (v. Bonin).
 5.0—See Königsberg. 6.45—Review. 7.0—News.
 7.10—Station Orchestra. Conductor: Steiner. Voggenauer (Songs). Comedy Overture (Scheinpflug). Mattinata (Leoncavallo). Russian Dance (Tchaikovsky). Alla Polacca (Dvořák). Hobelied (Kreutzer). Tanz-Walzer (Busoni). Aria, "The Merry Wives of Windsor" (Nicolai). Old English Dances (Coates). Zueignung (Strauss). Elfenspiel (Muh). Alla Marcia (Scheinpflug).
 8.0—"Collegium Iusticum"—Introduction to the Art of Being Happy—

8.10—Folk Songs. Wipkingen Male Voice Choir. Conductor: Niedermann.
 8.45—Radio Dance Band. Conductor: Neppach. Arthur Köst (Refrains). 9.15—Weather.

BORDEAUX-LAFAYETTE

(France)
 1,077 kc/s (278.6 m.); 25 kW.
 Transmits at intervals from 6.50 a.m. 6.30 p.m.—News. 7.45—Talk. 8.0—Talk: Viniculture. 8.15—News.
 8.30—"Carmen"—Opera (Bizet), from the Opéra-Comique. 10.30—News.

BRATISLAVA

(Czechoslovakia)
 1,004 kc/s (298.8 m.); 13.5 kW.
 Transmits at intervals from 5.15 a.m. 4.40 p.m.—Hungarian Transmission: Medical Talk; Suite for Violin and Pfte. (Goldmark). For Workers. 5.25—Literary Talk. 5.35—Records.
 5.45—See Prague. 6.30—Talk on the following transmission.
 6.35—"Aida"—Opera in Four Acts (Verdi) from the National Theatre. Conductor: Vincourek. In the interval: Talk; News. 9.45-10.0—News (Hungarian).

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW.
 Relayed by Gleiwitz, 1,231 kc/s (243.7 m.).
 Transmits at intervals from 4.0 a.m. 11.0 a.m.—Orchestra. Conductor: Arndt. Station Dance Band. In the interval at 12.0 noon: Time; News. 1.0 p.m.—News; Greetings.
 1.10—Variety from Deutschlandsender. 2.0—Markets.
 2.10-3.10—From Gleiwitz. 2.10—Brahms and Wolf—Margarete Schwabe-Kuhn (Soprano). 2.30—Periodicals. 2.50—Songs and Dances. 3.10—For Mothers.
 3.30-4.40—From Gleiwitz. 3.30—Report from a Nail Factory. 3.50—Mandoline and Guitar Band. 4.40—For Ex-Servicemen. 4.50—Announcements; Markets.
 5.0—See Königsberg. 6.45—Topical. 7.0—News. 7.10—Radio Dance Band Competition from the Wappenhof. 9.0—News.
 9.40-11.0—Station Dance Band.

slave (Ackermans). Scherzo Tarentella (Wieniawski-Rasse). The Mill in the Black Forest (Eilenberg). Excerpts, "The Fair Maid of Perth" (Bizet). Ballet des Parfums (Popy). 10.0—News.
 10.10-11.0—Records.

BRUSSELS (No. 2) (Belgium)

932 kc/s (321.9 m.); 15 kW.
 Programme in Flemish.
 6.37-9.0 a.m.—Records; Gym; News. 11.57—Weather. 12.0 noon—Offenbach Operetta Records. 12.30 p.m.—Weather. 12.31—Spanish Music. Radio Orchestra. Conductor: Douliet. In the interval at 1.0: News. 1.30—Records. 2.0-2.3—Shipping. 4.55—Announcements. 5.0—Danish Folk Dances. 5.30—For Children. 6.15—Station Cigany Band. Conductor: Féron. 6.45—Theological Talk. 7.0—Station Cigany Band. Conductor: Féron. 7.15—Records of Tino Rossi. 7.30—Art Notes.
 8.0—"Vienna"—Orchestral Concert. March, Strauss (Mezzacapo). Strauss Waltz Potpourri (Weber). Johann Strauss Fantasia (Morena). Kleiner Wiener Marsch (Kreisler). Waltz (Abraham). Selection, "Frühling im Wiener Wald" (Ascher).
 8.45—Talk: Fruit-growing. 9.0—"Hungary and Budapest"—Orchestra. Hungarian March (Schubert). Hungarian Dances Nos. 2 and 8 (Brahms). Hungarian Rhapsody (Liszt). Paraphrase on Hungarian Airs (Padouk). Pesther-Walzer (Lanner). Potpourri, Radio Budapest (Prickystrahl).
 9.50—Prayer. 10.0—News.
 10.10-11.0—Records.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania (Brasov), 160 kc/s (1,875 m.).
 Transmits at intervals from 10.30 a.m. 6.0 p.m.—News. 6.15—Marie Andä (Songs). 6.35—Announcements. 6.45—Song Records. 6.55—Talk on the following transmission.
 7.15—Philharmonic Orchestra. 9.15—Records. 9.45—News (French, German, Romanian).

BUDAPEST (No. 1) (Hungary)

546 kc/s (549.5 m.); 120 kW.
 9.20 a.m.—Talks. 11.5—Station Salon Orchestra. In the interval at 11.30: News. 12.15 p.m.—Time. 12.45—Amalia Gyözö (Songs). 1.40—For Housewives. 3.10—Rózsa Darvas. 3.45—Time; Weather. 4.0—For Farmers. 4.30—Choir. 5.20—Talk: Bulgarian Workers' Camp. 5.50—Farkas Cigany Band. 6.50—Play (Vándor). 7.45—Foreign Affairs. 8.5—Records. 8.30—News. 9.15—Weather.
 9.20—Peter String Quartet. Quartet in C (Haydn). Quartet in F (Beethoven).
 10.20—Mándits Jazz Band. 11.5—News.

BUDAPEST (No. 2) (Hungary)

359.5 kc/s (834.5 m.); 20 kW.
 4.0 p.m.—Records. 4.50—Lecture-Recital: Hungarian Baroque Music. 5.50—English Lesson. 6.20—Andres Peter. 6.50—Stepat Balalaika Orchestra. 8.0—News.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW.
 Transmits at intervals from 5.0 a.m. 11.0 a.m.—1.0 p.m.—See Munich. 1.0—News.
 1.15-2.0—Variety from Deutschlandsender. 2.45—Exchange.
 3.0—Folklore and Folk Music (arr. Bombe)—Station Chamber Choir and Soloists. 4.45—Talk: Careers. 4.55—For Market Gardeners.
 5.0—Station Orchestra and Soloists. Conductor: Kühn. 6.45—Snapshots. 7.0—News.
 7.10—"Old Wives' Carnival"—a Band, Station Orchestra, Choir and Soloists. Conductor: Hoppe. 9.0—Time; News.
 9.20-11.0—Düsseldorf and Mainz Old Wives' Carnival in Bad Godesberg. Station Chamber Orchestra. Conductor: Hagedest. In the interval at 10.5: Proclamation of the Cologne Prince Carnival.

DEUTSCHLANDSENDER

(Germany)
 191 kc/s (1,571 m.); 60 kW.
 Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Breslau. 12.45 p.m.—News.
 1.0—Variety. 2.0—Exchange. 2.15—For Mothers. 2.45—Beethoven Anecdote (Krieger).
 3.0—Gaden Band. In the interval at 3.50: Reading.
 5.0—"Old Masters of Bel Canto"—Nissen (baritone). 5.30—Interview with a Picture Restorer. 5.45—Sports

6.0—Music. 6.15—Topical. 7.0—Motto; News.
 7.10—A February Programme (arr. Hansen).
 8.0—Fourth Symphony in E flat (Bruckner), by the Station Orchestra. Conductor: Kirstner. 9.0—News; Sports.
 9.30—Sonatina in D (Schubert) by Kerschbaumer (Violin) and Etlinger (Pfte.).
 10.0-11.0—Hörbe Dance Band.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Relayed by Cassel, Coblenz, Freiburg, Kaiserlautern and Trier, 1,195 kc/s (251 m.).
 Transmits at intervals from 5.0 a.m. 11.0 a.m.—1.0 p.m.—See Munich. 1.0—News.
 1.10—Variety from Deutschlandsender. 2.0—Industrial Report; Exchange. 2.15—For Children.
 3.0—Variety—Schrammel Quartet. "Fröhliche Fünf" and Soloists. 4.30—"A Fool's Calendar"—Humorous Sequence.
 5.0—See Königsberg. 6.45—Review. 6.55—For Farmers; Exchange; Announcements. 7.0—News.
 7.10—"Col. Lawrence—Revolt in the Desert"—Play (Laven).
 8.0—See Stuttgart. 9.0—Time; News; Sports.
 9.30—See Berlin.
 11.0-1.0 a.m. (Friday)—Carnival Programme—Hamburg Station Dance Band and Soloists. Conductor: Gebhardt.

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW. Relayed by Bremen, Flensburg, Hannover, Magdeburg, and Stettin, 1,330 kc/s (225.6 m.).
 Transmits at intervals from 5.0 a.m. 11.0 a.m.—Shipping.
 11.10-1.0 p.m.—Programme from Munich. 1.0—News. 1.20—Music. 2.0—Exchange. 2.40—Shipping. 2.50—Ice Report. 3.0 (from Stettin)—Concert Orchestra. Conductor: Plato. 4.0—Variety. 4.45—Talk: Johann Voss in Wandsbek.
 5.0—See Königsberg. In the interval at 5.55: Shipping. 6.45—New Music for Recorder (Schlensog). 7.0—News. 7.10—Station Dance Band and Soloists. Conductor: Gebhardt. 9.0—News. 9.25—Music.
 10.0—Dance Music from Berlin.
 11.0-11.55—Military Concert on Records—a Choir, Soldiers' Choir and Military Band.

HILVERSUM (1,875 m.)

(Holland)
 160 kc/s; 10 kW until 2.40 p.m.; 100 kW from 2.40 p.m.
 A.V.R.O. Programme.
 7.40 a.m.—Records. 8.40—Talk. 8.45—Lismonde Orchestra. 9.40—Service. 9.55—Records. 10.10—Orchestra (cont'd.). 10.40—Dressmaking. 11.10—Lyra Trio.
 11.55—A.V.R.O. Aeolian Orchestra. 12.40 p.m.—Records. 1.55—For Housewives. 2.25—Records. 2.40—Dressmaking. 3.25—Records. 3.40—For Hospitals. 4.10—Records. 4.25—For Children. 5.10—V.P.R.O. Talk. 5.40—Lajos Orchestra. 6.10—Sports. 6.40—For Children. 6.45—Quartet. 7.10—English Lesson. 7.40—Time; News. 7.50—Records.
 7.55—Concertgebouw Orchestra from the Concertgebouw, Amsterdam. Conductor: Bruno Walter. 8.55—Talk. 9.10—Excerpts, "The Merry Wives of Windsor" (Nicolai). A.V.R.O. Orchestra and Choir. Conductor: Weissmann. Cast: Strienz, Olitzky, Baylé, Viskil, Schansman Bogtman, Henriette Sala, Ising, Grethe Weijnschenck-Hogenbirck. 10.40—News. 10.50-11.40—Dance Music by the A.V.R.O. Decibels. Conductor: Meenk.

HILVERSUM (301.5 m.)

(Holland)
 995 kc/s; 15 kW until 2.40 p.m. and 60 kW from 2.40 p.m.
 7.40-8.55 a.m.—K.R.O. Programme. Records.
 9.40—N.C.R.V. Religions Programme and Records.
 10.40-1.40 p.m.—K.R.O. Programme. 10.40—Records. 11.10—Religious Address. 11.40—Police Messages. 11.55—Records. 12.10 p.m.—Light Music.
 1.40 till Close—N.C.R.V. Programme. 1.40—Handicrafts. 2.40-3.25—Parker (Organ). 3.40—Bible Reading. 4.25—For Youth.
 4.55—J. Juda (Violin). A. Juda (Pfte.). 5.40—Records. 6.10—Talk. 6.40—News; Report; Press Review. 7.40—News; Talk; Records.
 8.20—The Matthew Passion (Bach), by the Berlin Philharmonic and Soloists. Conductor: Furtwängler (Records). 10.20-11.10—News; Records.



"Carnival" is the theme of several programmes this week (Stuttgart at 9.15 p.m. to-day)

Cabaret (Witt), Music by Günther Neumann. Station Orchestra. Conductor: Steiner. 9.0—News; Sports. 9.30-11.0—Fierke String Dance Band; Strauss Dance 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 a.m.—Gym. 5.50—Weather. 9.20-9.50—Sequence for Schools: Fifty Years of Cars (Grauwiller). 11.0—Spanish Music. Radio Orchestra. Conductor: Hofmann. 11.29—Time; News. 11.40—Opera Music. Radio Orchestra. Conductor: Hofmann. 12.10 p.m.—Famous Waltzes. 12.25-12.35—Time; Exchange; For Housewives. 3.0—Records; Light Music and Dance Music. 3.29—Time.
 3.30-5.0—See Sottens. 5.0—Records: Light Music. 5.30—Talk by Dr. G. Staffelbach; Hans Peter Staffelbach. 6.0—Time; Announcements. 6.5—League of Nations Report. 6.30—Talk: Protection of the Countryside. 6.50—Robert Denzler and the Radio Orchestra. 7.50—A Zurich Picture Book. 8.0—News.

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: Talk; Gymnastics. 5.15—News. 5.20—Theatre and Film Review. 5.30—Talk: Carnival Customs in Slovakia. 5.40—Record. 5.45-10.0—See Prague.

BRUSSELS (No. 1) (Belgium)

620 kc/s (483.9 m.); 15 kW.
 6.37-9.0 a.m.—Records; News; Gym. 12.0 noon—Records. 12.30 p.m.—Light Orchestral Music. Bellemans (Baritone). In the interval at 1.0: News. 1.30-2.0—Records. 4.55—Weather. 5.0—Station Cigany Band. 5.45—For Children. 6.15—Talk. 6.30—Lecture Recital by Mme. Harvart: The Folk Song. 7.0—Labour Review. 7.15—Records: Ballad (Fauré) by Marguerite Long (Pfte.). 7.30—Literary Review.
 8.0—Radio Orchestra. Conductor: Douliet. Misson (Violin). Amina (Lincke). Amorettenzänze (Gungl). Second Hungarian Rhapsody (Liszt). Hungaria (Leopold).
 8.30—Cabaret. 9.0—Talk. 9.15—Orchestra (cont'd.). Idylle

KALUNDBORG (Denmark)
238 kc/s (1,261 m.); 60 kW.
Relayed by Copenhagen, 1,176 kc/s (255.1 m.).
Transmits at intervals from 6.0 a.m. 11.0 a.m.—1.0 p.m.—Bendix String Ensemble. 2.0—Julian Orchestra. 3.35—For Boys. 4.35—Exchange. 4.45—Poem. 4.50—Talk. 5.20—English Lesson. 5.50—Wireless Notes. 6.0—Time; News. 6.15—Talk: The Manifestation of God. 6.45—Talk: The Child Witness.
7.10—Seventeenth Thursday Concert from the State Broadcasting Building. Radio Symphony Orchestra. Guest Conductor: Fritz Busch. Adolf Busch (Violin). Violin Concerto in A minor (Bach). Symphony in G (Haydn). Ten Minutes' Interval. Violin Concerto in D (Beethoven).
9.0—News. 9.15—"What shall we name the child?"—Review from the Fenix Theatre. 10.10-11.30—Skjoldborg Dance Band. At 11.0—Time; 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 5.3 a.m. 11.0 a.m.—1.0 p.m.—See Munich. 1.0—News. 1.15—Dialect Programme. 1.30—Concert from Berlin. 2.0—Markets. 2.10—Games for Children. 2.35—"Tolkemit"—Topical Report. 3.0—Light Music—Choir; Vocal and Instrumental Soloists. 4.50—Markets. 5.0—Light Music—Bands. 6.45—Topical. 7.0—News.
7.10—Mozart Cycle XV—Mozart in Vienna. Members of the Station Orchestra. Adelheid Armhold (Soprano), Pliquet (Tenor), Rasalski (Bass), Winkler (Pfte.). Serenade in C minor. Soprano Songs. Vocal Trio: Das Bandel. Quintet in E flat.
8.0—"Selling a Pup"—Humorous Programme with Music. 8.30—Variety. 9.0—News; Sports. 9.20—Talk: Mankind and History. 9.40-11.0—Dance Music from Berlin.

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.
1.15—Variety from Deutschlandsender. 2.0—Anniversaries. 2.35—Books. 2.50—Exchange. 3.0—Talk: The Elbsandsteingebirge.
3.20 (from Dresden)—Susanne Prée-Steinmetz (Soprano), Bräunling (Flute). 4.0—Exchange. 4.10—Science. 4.20—Reading (Roselieb). 4.35—Report: Girls' Eugenics Course. 5.0—See Königsberg. 6.45—Review. 7.0—News.
7.10—"The Last of the Serfs"—Ballad (Huchel), Music by Rosenberger.
8.0—See Berlin. 9.0—News; Sports. 9.30-11.0—Dance Music from Berlin.

LILLE (Radio PTT Nord) (France)
1,213 kc/s (247.3 m.); 60 kW.
Transmits at intervals from 6.50 a.m. 7.0 p.m.—Records. 8.0—Legal Talk. 8.15—Review. 8.30—Music Hall. 10.30—News.

MADRID (EAJ7) (Spain)
1,095 kc/s (274 m.); 10 kW.
Transmits at intervals from 8.0 a.m. 8.15 p.m.—News; Viennese Waltzes and Film Songs by Rosa Castro Dries. 9.0—Talk: The History of the Theatre; Classical Music by Francisco Gil (Viola), Isabel Algarra (Pfte.). 10.0—Chimes; News: Station Sextet. 11.45—News. 12.0 m't—Chimes.

MONTE CENERI (Switzerland)
1,167 kc/s (257.1 m.); 15 kW.
Transmits at intervals from 11.0 a.m. 6.0 p.m.—Ketteby Records. 6.15—Italian Lesson. 6.30—Records: Mercedes Capisir (Soprano). 6.45—News.
7.0—Radio Orchestra. Lullaby (Brahms). La Toupee (Bizet). Gaudeamus igitur. La Diana. Caromio ben (Giordano). Wedding March (Mendelssohn). Record: Inno dei lavoratori (Mascagni). Prelude to Act III "La Traviata" (Verdi). Funeral March (Chopin). 7.30—"Ticino Weddings"—Sketches (Glaucio). (a) "La Serenata." (b) "Ul Past da Spös."
8.20—Rubino (Clarinet) Dassetto (Pfte.).
8.45-9.15—Gershwin Records. Strike up the Band. Suite, An American in Paris. Rhapsody in Blue.

MOSCOW (No. 1) (Russia)
174 kc/s (1,724 m.); 500 kW.
Transmits at intervals from 2.40 a.m. 5.15 p.m.—Soprano; Bass. 6.0—

Concert from Leningrad. 8.0—German Programme: (a) Readings: "Mother" (Gorki), (b) Talk. 9.5—French Talks: (a) The Revolution, (b) Science. 10.0—Spanish Talk: Tcheliuskine. 10.30—Portuguese Talk: Kemeens.

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 and Soloists. Conductor: List. 12.0 noon—News. 12.15 p.m.—Station Orchestra and Soloists. Conductor: Kloss. 1.20—News. 2.40—Reading. 3.0—For Farmers. 3.20—For Women. 3.40—Report: Mountaineering. 4.0—Pfitzner, Reger—Vocal and Instrumental. Violin Sonata in E minor (Pfitzner). Songs (Reger). 4.40—Talk: Germanic History. 5.0—See Königsberg. 6.45—Discussion: Birds' Flight and Gliding. 7.0—News.
7.10—Variety. Part I. Stetzel Zither Double Quartet. Part II. "Count Schorsch" —Play (Schwerla). Part III. Music with a Swing by the Kloss Band. 9.0—Time; News. 9.20—To be announced.
9.30—Chamber Music. Wind Instrument Ensemble and Soloists. Conductor: Strom. String Quartet in D (Haydn) and Quintet in E flat (Mozart). Music for Wind and Percussion Instruments (Uldall).
10.30-11.0—Dance Music from the Löwenbräu.

OSLO (Norway)
260 kc/s (1,153.8 m.); 60 kW.
Relayed by Fredrikstad, 776 kc/s (386.6 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 Trondelag, 629 kc/s (476.9 m.).
Transmits at intervals from 10.30 a.m. 4.0 p.m.—Concert. 5.0—Service. 5.25—Topical. 5.50—News. 6.0—Announcements. 6.15—Weather; News. 6.30—Time. 6.31—Talk. 7.0—Symphony Concert. Oslo Philharmonic Orchestra. Conductor: Kielland. Orloff (Pfte.). Symphony (Andersen). Pfte. Concerto in D minor (Rachmaninov). Overture, "Carnaval roman" (Berlioz). 8.15—Talk. 8.25—Records. 8.40—Weather; News. 9.0—Topical. 9.15—Concert. 9.45—Talk in English: The Home of Ski-ing.

PARIS (Eiffel Tower) (France)
1,456 kc/s (206 m.); 20 kW.
Transmits at intervals from 8.0 a.m. 5.30 p.m.—Lecture from the Sorbonne: The History of Art—Rome, Florence, Venice. 6.45—Theatre Notes. 7.0—Markets; Weather; Racing.
7.20—Foreign Affairs. 7.45—Records. 8.0—Home Affairs. 8.30—"L'An de Buridan"—Comedy (de Flers-Caillet).

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. 12.15—Film for Children. 12.25—Interview. 12.35—Exchange. 12.39—Concert. 1.19—For Children. 1.40-2.0—Sound Film Music. 2.0, 3.15, 3.45, 4.35 and 6.15—Exchange. 6.20—Talk. 6.27—For Children. 7.7—News. 7.30—Records. 7.45—Wiener and Doucet (Pftes.). 8.15—Exchange. 8.20—Songs. 8.55—Talk on the following Transmission. 9.0-12.0 m't—"Noix de Coco"—Comedy in Three Acts (Achard), from the Théâtre de Paris.

PARIS (PTT) (France)
695 kc/s (431.7 m.); 120 kW.
Transmits at intervals from 6.50 a.m. 6.0 p.m.—Songs and Pfte. 6.30—News; Topical. 7.25—Talk: Hygiene and Sport.
7.38—Renée Destanges, Germaine Huber and Jean Sorbier (Songs). 8.0—Fashion Talk. 8.15—For Young People. 8.25—Aviation Review. 8.30—Old French Successes—Programme arranged by Danerty, with Adrienne Gallon, Bertrand, Renée Dyane, Amet, Bouvier, Lynel, Ouyard. 9.30—"The Léopold Bellan Prize"—Annual Singing Competition. Orchestra. Conductor: Chobillon. In the interval: Talk. 10.30—News.

PARIS (Radio-Paris) (France)
182 kc/s (1,648 m.); 80 kW.
6.45 a.m.—Gym. 7.0—Records. 7.15—News. 7.45—Gym. 8.0—German Lesson. 8.20—Records. 9.0—For Boy Scouts. 9.30—Leonce (Organ). 10.0—Lecture from the Faculté des Lettres: National Ideology in Germany during the Napoleonic Wars. 11.0—Station Orchestra. Conductor: Ellis. 11.30—For Farmers. 11.45—Protestant Address. 12.15 p.m.—

Orchestra (contd.). Mlle. Sédira (Songs). In the interval at 12.45: News; Review. 2.0—Lecture from the Sorbonne: The History of the French Language. 3.0—Markets; Records. 3.30—Talk: The Economic Position of France in the Early Nineteenth Century. 3.45—Talk: The History of Tea. 4.0—Orchestra from Lille.
5.0—"Man is his own Gaoler"—Play (Caldérón). 6.45—Medical Talk: Nervous Children.
7.0—"At the Bottom of the Sea"—Play for Children (Kubnick). 7.28—Markets. 7.32—Talk. 7.40—Reading (d'Esparbès).
8.0—Maya Féline (Songs). Soulima Stravinsky (Pfte.). Part I. Songs. Le rouge-gorge (Lalo). La légende des vers luisants (Erlanger). Les aubergistes de qualité (Gavel). Sur l'eau (Lazzari). Part II. Pfte. Scherzo à la russe (Tchaikovsky). Prelude, Dance and March (Prokofiev). Russian Dance, "Petrushka" (Stravinsky).
8.30—Press Review.
8.45—Czech Music—National Orchestra. Guest Conductor: Jirak. Overture to a Shakespearean Comedy (Jirak). The Fray (Martini). Wallenstein's Camp (Smetana). Symphony in E (Suk).
10.45—Time; Dance Music by the Pascal Orchestra.
11.15-12.15 a.m. (Friday)—Light Music—Pascal Orchestra.

PRAGUE (Czechoslovakia)
638 kc/s (470.2 m.); 120 kW.
Transmits at intervals from 5.15 a.m. 11.35 a.m.—Orchestra. 12.30 p.m.—Talk. 12.40—Records. 12.50—Exchange. 12.55-1.0—Exchange and Weather (German).
2.0—Quartet (Ridky) by the Ondricek Quartet. 2.35—Records. 3.0—Exchange. 3.10—Orchestra from Brno. 4.5—Talk. 4.15—Reading. 4.35—Talk. 4.45—German Talks. 5.45—News in German. 5.55—Records. 6.0—News. 6.10—Records. 6.15—English Lesson. 6.30—Talk. 6.35—Station Orchestra. Conductor: Parik. Entry of the Guests into the Wartburg, "Tannhäuser" (Wagner). Adagio from the Symphony, From the New World (Dvořák). Finale, Scheherazade (Rimsky-Korsakov). Nocturne and Andalusian Serenade (Sarasate). Slovak Suite (Novák). Carnival Overture (Dvořák).
7.35—"Phaëton"—Play in Two Acts and an Epilogue (Theer). 9.0—News. 9.15-10.0—Light Music and Dance Music by Jaroslav Cech and his Salon Orchestra.

RADIO-NORMANDIE (France)
1,113 kc/s (269.5 m.); 15 kW.
7.0 a.m.—Records. 7.20—News. 7.48—Racing. 7.53—For Housewives. 8.0—Records. 8.15—Time; Records. 8.30—Light Music. 8.45—Songs. 9.0—Time; Orchestra. 9.30—Light Music. 9.45—Military Band. 10.0—Light Music. 11.0—Film Music. 12.0 noon—Military Music. 12.45 p.m.—News. 1.5—For Children. 3.30—Songs. 4.0—Tea-Time Hour. 4.45—Children's Corner. 5.0—Time; Light Music. 5.15—Songs.
5.30—Tchaikovsky Concert. March. Dance of the Sugar Plum Fairy. Valse des Fleurs. To the Forest. Selection, "Eugene Onegin." Excerpts, "The Sleeping Beauty." 1812 Overture.
6.0—Opera Music. Excerpts, "Turandot" (Puccini), "Le Roi David" (Honegger), "Hamlet" (Thomas), "Rigoletto" (Verdi), "Iphigénie en Taurede" (Gluck), "Romeo and Juliet" (Gounod), "Les Huguenots" (Meyerbeer) and "Les Abencerages" (Cherubini).
6.45—News.
7.0—Concert. Rondel mélancolique (Rabey). Sous les palétuvers (Simons). Un oiseau ne meurt pas d'amour (Riffey). Quand nous en sarons là (Raïter). Tu ne sauras jamais... (Rico). The Unfinished Symphony in B minor (Schubert).
7.4—An Interview. 7.48—News.
8.5—Orchestra. 8.20—Songs. 8.30—Talk. 8.45—Viennese Music. 9.0—Delibes Festival Concert. 11.0—Dance Music. 11.30—News. 11.40—Cabaret. 12.0 m't-2.0 a.m. (Friday)—Dance Music. In the interval at 12.30: Time.

RADIO-ROMANIA (Brosavia) (Romania)
160 kc/s (1,875 m.); 150 kW.
See Bucharest.

ROME (Italy)
713 kc/s (420.8 m.); 50 kW.
Relayed by Naples, 1,104 kc/s (271.7 m.); Bari (No. 1), 1,059 kc/s (283.3 m.); Bari (No. 2), Milan (No. 2), and Turin (No. 2), 1,357 kc/s (221.1 m.).
Transmits at intervals from 6.45 a.m.

4.0 p.m.—Symphony Concert from the Conservatoire, Naples. Conductor: Capuana. Toccata and Fugue in D (Bach-Respighi). Symphony in D (Cherubini). Colonial Rhapsody (Lualdi). Till Eulenspiegel (Strauss).
6.0—Announcements; Tourist Talk (Spanish). 6.20—News (English). 6.44—News (French). 7.5—Time; Announcements; Talk. 7.15—News. 7.35—Variety with the Marc' Aurelio Quartet.
8.35—Chamber Music. Pilati (Pfte.). Ferrari (Violin). Sonata in F (Pilati). Caprices (Paganini-Pilati). 9.15—Talk.
9.30—Dance Music. 10.0-10.30—News; 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.
11.40-12.10 p.m.—See Beromünster. 12.10-1.0 p.m.—Records. 3.29—Time. 3.30-5.0—From Geneva. 3.30—d'Istria (Pfte.). 4.0—Records. 4.20—Engel Dance Band. 5.0—Song Records. 5.25—For Women. 5.50—Records: Violin and Pfte. 6.10—Talk: Ethnography. 6.30—Dance Records. 6.40—Talk: The Jura Pastures. 7.0—Talk: The Paris Theatres. 7.20—Talk on the following Transmission. 7.30-9.30—Concert from Fribourg—Municipal Choir and Radio Suisse romande Orchestra. Conductor: M. l'Abbé Bovet. In the interval at 9.20: News.

STOCKHOLM (Sweden)
704 kc/s (426.1 m.); 55 kW.
Relayed by Motala, 216 kc/s (1,389 m.); Göteborg, 941 kc/s (318.8 m.); Hörby, 1,131 kc/s (265.3 m.); and Boden, 392 kc/s (765 m.).
Transmits at intervals from 6.20 a.m. 3.55 p.m.—Post Office Jubilee Concert. Conductor: Wiklund.
5.0—Elite Orchestra. 5.45—English Lesson. 6.15—News. 6.30—Choir. 7.0—Talk: Swedish Lecturers at Foreign Universities.
7.30—Radio Orchestra. Conductor: Thierfelder. Johanne Stockmarr (Pfte.). Eighth Symphony (Beethoven). Pfte. Concerto in F minor (Chopin). Overture, "The Magic Violin" (Egk).
8.45—News. 9.0-10.0—Records.

STRASBOURG (France)
859 kc/s (349.2 m.); 120 kW.
Transmits at intervals from 6.45 a.m. 6.15 p.m.—Records: Concerto in C minor (Saint-Saëns). 6.45—Tourist Talk.
7.0—Lisbeth Eschrich (Pfte.). Pieces (Eschrich): (a) Berceuse de Noël, (b) Les Rois Mages, (c) Gavotte, (d) Etude d'octaves, Pieces (Erbe): (a) Musique nocturne, (b) Two Alsatian Waltzes.
7.30—Time; News. 7.45—News (German). 8.0—Press Review (German).
8.10—Orchestra. Conductor: de Villers. March, "Sigurd Jorsalfar" (Grieg). Japanese Variations (Vidal). Overture, A Midsummer Night's Dream (Thomas). Ballet Suite (Lachaume). Selection, "The Mastersingers" (Wagner). Le Rouet d'Omphale (Saint-Saëns). Suite, "Der Rosenkavalier" (Strauss). Spanish Dances (Granados). Ballet, Nuit de printemps (Chapuis).
9.45—Records: Hot Jazz by Duke Ellington and his Band.
10.0—Light Music from the Café de l'Odéon. Conductor: Théodore. Waltz (Strauss). Overture, "Erlenhügel" (Kuhlauf). Children's March (Tichy). Excerpts, "Peer Gynt" (Grieg). Offenbachiana.

STUTTGART (Germany)
574 kc/s (522.6 m.); 100 kW.
Transmits at intervals from 5.0 a.m. 11.0 a.m.—1.0 p.m.—See Munich. 1.0-2.0—See Deutschlandsender. 2.30—"A Fashion Show of Importance"—Attended by Prince Carnival, Dame Fashion, and President Spring. 3.0—See Deutschlandsender. 4.45—Topical.
5.0—See Königsberg. 6.45—Announcements. 7.0—News.
7.10—See Königsberg. 8.0—"Island of Love"—Folk Play (Heynickle), Music by Lincke. Orchestra. Conductor: Schröder. 9.0—Time; News; Sports.
9.15—"Carnival Magic!"—A Report. 9.35—Dance Music from Berlin. 11.0-1.0 a.m. (Friday)—See Frankfurt.

TOULOUSE (Radio-Toulouse) (France)
913 kc/s (328.6 m.); 60 kW.
Transmits at intervals from 8.15 a.m. 6.0 p.m.—Exchange. 6.5—Cigany Band. 6.10—For Children. 6.45—News. 6.50—Le Guignol toulousain: Part II, "Gnafron médecin." 7.0—Orchestra. 7.30—News. 7.45—

THURSDAY (February 20)
Operetta Songs. 8.15—Soloists. 8.30—Orchestra.
9.0—Concert Version, "Don Quixote"—Opera (Massenet). 9.35—Film Music. 9.45—Music-Hall. 10.0—"Woman"—Fantasy. 10.30—News. 10.45—Soloists 11.0—Songs. 11.15—Dance Band.
11.30—Songs. "Le Roi d'Ys" (Lalo), "Galathée" (Massé), "Les brigands" (Offenbach).
11.45—Orchestra. Piece (Brodzky). Two Italian Songs (Volpatti). La fée du Danube (Messier). Hofballtänzer (Lanner). 12.0 m't—Music-Hall. 12.15 a.m. (Friday)—News. 12.20-12.30—Marches.

TURIN (No. 1) (Italy)
1,140 kc/s (263.2 m.); 7 kW.
Relayed by Milan (No. 1), 814 kc/s (368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,222 kc/s (245.5 m.); Florence, 610 kc/s (491.8 m.); and Bolzano, 536 kc/s (559.7 m.).
6.45 a.m.—Gym. 7.0—News; Markets. 10.30—Ambrosiana Orchestra. 11.15—Records. 11.45—News. 12.0 noon—Announcements; Music. 12.10 p.m.—Orchestra. 12.50—News. 1.0—Tourist Talk; Exchange. 2.40—For Children. 3.20—Relay from Asmara. 3.35—Records. 3.45—News.
4.0—See Rome. 6.0—News in Foreign Languages. 7.5—Time; Announcements; Aviation Notes. 7.15—News. 7.45—"Mefistofele"—Four-Act Opera (Boito), from La Scala, Milan. Conductor: Del Campo. Cast: Aureliano Pertile, Maria Caniglia, Tancredi Pasero, and Lina Bruna Rasa. In the intervals: Talks and News. After the Opera: News (Spanish).

VIENNA (Austria)
592 kc/s (506.8 m.); 100 kW.
Relayed by Graz and Linz, 886 kc/s (338.6 m.); Innsbruck, 519 kc/s (578 m.); Dornbirn, Klagenfurt, and Vorarlberg, 1,294 kc/s (231.8 m.); and Salzburg, 1,348 kc/s (222.6 m.).
Transmits at intervals from 6.0 a.m. 4.35 p.m.—Holenia Recital by Rosa Weissgamber-Price (Soprano), The Composer (Pfte.). Geh' an der Welt' über. Bald Aphrodite. Am Kamin. Tanzlied. Schlum'm're, Liechen, Frei Bahn. Verbotene Liebe. Und wenn ich sterbe.
5.5—Natural History. 5.15—Announcements. 5.20—Theatre Review. 5.30—Science. 5.40—Talk: Count Herberstein. 6.0—Time; News. 6.10—Snow Report. 6.25—Records and Sandauer (Pfte.).
7.45—"Adventure in Greenland"—Nine Scenes (Beer). 9.0—News.
9.10—Hubay Concert. Conductor: The Composer. Vienna Symphony Orchestra. von Zaturecky (Violin). Das Blumenleben. Violin Concerto in G minor. Overture, "Der Dorfump." 10.25—Announcements.
10.35-12.0 m't—Part Relay of the Hietzing Ball from Schönbrunn Palace.

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.); Lodz, 1,339 kc/s (224 m.); Lwów, 795 kc/s (377.4 m.); Poznań, 868 kc/s (345.6 m.); Torun, 986 kc/s (305.9 m.); and Wilno, 536 kc/s (559.7 m.).
Transmits at intervals from 5.30 a.m. 10.57 a.m.—Time. 11.0—Fanfare. 11.3—News. 11.15—Station Symphony Orchestra, with Introductory Talk. Conductor: Fiteberg. 12.0 noon—Records: Sonata in D minor (Brahms) by Kochanski (Violin) and Rubinstein (Pfte.). 12.25-12.30 p.m.—For Housewives. 2.15—Announcements. 2.20—Exchange. 2.30—Operetta Music. Station Orchestra. Conductor: Górzynski. 3.0—For Children. 3.15—Records: Light Music. 3.45 (from Katowice)—Popular Silesian Songs—Choir. 4.0—Talk. 4.15 (from Cracow)—Chamber Orchestra. Conductor: Herman. 4.50—Book and Science Review. 5.0—Sophie Jaroszewicz-Hulanicka (Pfte.). 5.30—Talk: Films, Plastic Art and Architecture. 5.40—Holiday Hints. 5.45—Announcements. 5.55—Talk. 6.5—Announcements. 6.35—Sports. 6.50—Topical. 7.0 (from Lwów)—Cabaret. 7.45—News. 7.55—Talk: Anti-gas Defences.
8.0—"Peter Plaskin"—Play in Verse (Tuwim), with Music by Dzewulski. 8.35—Nawrocki Songs by Marie Kallow. 9.0—Dutch Music—Station Orchestra. Conductor: Neumark. 10.0—Weather. 10.5—Dance Records.

FRIDAY February 21

5 p.m.

ATHLONE, 5.30—"Mrs. O'Connor"—Drama—"An Tinecur agus an Sidheog" (An Craobhin do cheap). **BERLIN** and most German Stations. See Leipzig. **BRUSSELS (1)**, Brussels Saxophone Quartet. 5.30—Talk. **BRUSSELS (2)**, Orchestra. **DEUTSCHLANDSENDER**, Play. 5.15—Mainardi (Cello). 5.45—Talk. **EIFFEL TOWER**, News. 5.15—Lecture from the Sorbonne. **HAMBURG**, Bremen Stadtmusikanten. **HILVERSUM** (1,875 m.), For Children. 5.10—Concert and Records. **HILVERSUM** (301.5 m.), Records. 5.10—K.R.O. Boys. 5.40—Talk. **LEIPZIG**, Light Music, Leipzig Symphony Orchestra and Soloists. **MUNICH**, Orchestra and Soloists. **PARIS (PTT)**, Paris Symphony Orchestra, Conductor: Vuillemoz, Paulette Nathan (Songs). 5.30—Talk, Labour Exchange, Review. **RADIO-PARIS**, English Lesson. 5.25—Review. 5.30—Delibes Concert, Paris Symphony Orchestra. Conductor: Vuillemoz. **STUTTGART**, See Leipzig.

6 p.m.

ATHLONE, Talk. 6.15—News in Irish. 6.30—Banjo and Steel Guitar—Jack MacGarvey (Instrumental). 6.45—News. **BERLIN**, See Leipzig. 6.45—Review. **BEROMÜNSTER**, Time, Announcements, Talk. 6.50—"Joy and Sorrow"—Sequence. **BRESLAU**, See Leipzig. 6.45—Talk. **BRUSSELS (1)**, Records, Talk. 6.30—Chopin—Yvonne Barthelemy (Pfte.). **BRUSSELS (2)**, Talk. 6.15—Jeanne Jaspard (Pfte.). 6.45—Station Cigany Band. Conductor: Feron. **BUCHAREST**, News, Talk. 6.15—Sibiccano Orchestra. 6.35—Romanian Opera Relay. **BUDAPEST (1)**, Talk. 6.30—"Azra"—Opera (Sador-Szep). **COLOGNE**, See Leipzig. 6.45—Snapshots. **DEUTSCHLANDSENDER**, See Leipzig. 6.45—For Ex-Servicemen. **EIFFEL TOWER**, Lecture (contd.). 6.45—Talk. **FRANKFURT**, See Leipzig. 6.45—Topical. 6.55—Exchange, Announcements. **HAMBURG**, Bremen Stadtmusikanten (contd.). 6.45—Wireless Notes. **HILVERSUM** (1,875 m.), Concert and Records. 6.40—Talk. **HILVERSUM** (301.5 m.), K.R.O. Melodists. 6.40—Announcements, Talks, Records. **KALUNDBORG**, News. 6.15—Talk by Dr. Jorgen Pedersen. **KÖNIGSBERG**, See Leipzig. 6.45—Topical. **LEIPZIG**, Light Music (contd.). 6.45—Review. **MONTE CENERI**, Reading. 6.25—Records. 6.45—News. **MOSCOW**, Concert Version, "Tosca" (Puccini). **MUNICH**, Orchestra (contd.). 6.45—"Visitors' Entrance"—Sketch (Meingast). **OSLO**, Announcements, News. 6.30—Time, For Farmers, Government Notes. **PARIS (PTT)**, Pergola (Organ). 6.30—Topical. **POSTE-PARISIEN**, 6.15—Exchange. 6.20—For Farmers. 6.21—Adagio, Sonata in C minor (Beethoven) by Dubois and Maas (Records). 6.31—Talk, Records, Talk. 6.50—Violette and Paule d'Ambrósio. **PRAGUE**, Time, News. 6.10—Orchestra, Soloists. 6.55—Variety. **RADIO-NORMANDIE**, For Children. 6.45—News. **RADIO-PARIS**, For Women. 6.30—Delibes Concert (contd.). Paulette Nathan (Songs). **RADIO-ROMANIA**, See Bucharest. **ROME**, Talk (Dutch). 6.20—News (English, French). **SOTTENS**, Records. 6.15—Parliamentary Notes, Records. 6.40—News. **STOCKHOLM**, Brandel (Songs). 6.15—News. 6.30—"No"—Play (Heiberg). **STRASBOURG**, 6.30—Talk (German). 6.45—Opera Music. Manceau (Songs). **STUTTGART**, See Leipzig. 6.30—Community Singing. **TOULOUSE**, Exchange. 6.5—Mandoline Band. 6.15—Tyrolense Music. 6.30—Opera Music. 6.45—News, Orchestra. **TURIN**, News in Foreign Languages. **VIENNA**, Time, News. 6.20—Winter Sports Report from Innsbruck. 6.45—Fifth Ravag Symphony Concert. Vienna Symphony Orchestra. Conductor: Kabasta. Erna Sack (Soprano). Ludvig (Flute). Introductory Talk.

WARSAW, Sports, Talk. 6.30—To be announced. 6.45—See Vienna.

7 p.m.

ATHLONE, News. 7.15—Talk by Prof. D. Corkery. 7.30—Lecture Recital: Rossini and Wagner—Station Orchestra and Signor Viani. **BERLIN**, News. 7.10—Stories about Musicians. 7.30—Egk, Wagner-Régeny and Strauss. Orchestra. Conductor: Schuricht. Wagner-Régeny (Pfte.). **BEROMÜNSTER**, Sequence (contd.). 7.20—News. 7.35—Concert from Vienna. **BRESLAU**, News. 7.10—"Love, Money and Other Things"—Sequence (Carell-Vogel-Steinbach), with Music. **BRUSSELS (1)**, Talk. 7.15—Madeleine Clairy (Songs). 7.30—Review. **BRUSSELS (2)**, Cigany Band (contd.). 7.30—Talk. **BUCHAREST**, Opera Relay (contd.). **BUDAPEST (1)**, "Azra" (contd.).

PRINCIPAL EVENTS

SYMPHONY CONCERTS
4.0 National: Mozart, Dvořák, Enesco.
6.45 Vienna, Warsaw, Berömünster (7.35): Reger, Strauss, etc.
Berlin: Conductor, Schuricht.
8.0 Brussels 1: Schubert, Saint-Saëns.
8.0 Prague: Jeremias, Prokofiev.
8.0 Turin: Rossi, Lang (pfte.).
10.20 National: Malipiero prog.

LIGHT CONCERTS
12.40 Hilversum (1,875 m.): Orchestra, song.
2.20 Kalundborg: Radio orchestra.
5.0 Brussels 2: Radio orchestra.
6.30 Radio-Paris: Delibes music.
6.45 Strasbourg: Opera music.
7.10 Cologne: Soldiers' variety.
7.10 Hamburg: Scandinavian music.
7.30 Athlone: Rossini and Wagner.
7.50 Sottens: "Le petit soir de Paris."
8.0 Hilversum (301.5 m.): Orchestra.
8.0 Leipzig: Variety concert.
8.10 Kalundborg: French music.
8.45 Radio-Paris: Contemporary music.
8.50 Warsaw: Polish music.
9.30 Stuttgart, etc.: Popular orchestral.
10.0 Bucharest: Orchestra, songs.
10.10 Vienna: Military band.

COLOGNE, News. 7.10—Variety. **DEUTSCHLANDSENDER**, News. 7.10—Dance Music. **EIFFEL TOWER**, News. 7.20—Topical. 7.45—Film Talk. **FRANKFURT**, Time, News. 7.10—"Dilettante—Master." Music of Frederick the Great, Anna Amalia, Duchess of Sachsen-Weimar, Prince Louis Ferdinand of Prussia, Rousseau, Zelter, Hoffmann, Couvrouisier, Borodin, Cui, Mussorgsky, and Rimsky-Korsakov. Orchestra and Soloists. Conductor: Merten. **HAMBURG**, News. 7.10—Scandinavian Music with Commentary. Symphony Orchestra. Conductor: von Sosen. Asger Stig (Baritone). **HILVERSUM** (1,875 m.), Records, News, Talk. **HILVERSUM** (301.5 m.), Talks and Records. **KALUNDBORG**, Time, Review. 7.10—Student Society's Annual Political Festival. Orchestra. Conductor: Andersen. Grethe Lisa Lous (Songs). **KÖNIGSBERG**, News. 7.10—Dance Music. Börschel Band, Dittrich Schrammel Ensemble and Soloists. **LEIPZIG**, News. 7.10—See Deutschlandsender. **MONTE CENERI**, Records. **MOSCOW**, Russian Folk Songs. Choir and Folk Instrumental Trio. **MUNICH**, News. 7.10—"Don Pasquale"—Opera (Donizetti). **OSLO**, Dramatic. 7.45—Talk. **PARIS (PTT)**, Topical. 7.38—Gounod, Berlioz. Paris Symphony Orchestra. Conductor: Vuillemoz. **POSTE-PARISIEN**, Talks. 7.10—News. 7.35—Willy Thunis Programme. 7.50—Records. **PRAGUE**, Variety. 7.40—Discussion. **RADIO-NORMANDIE**, Concert. 7.45—An Interview. 7.48—News. **RADIO-PARIS**, Delibes Concert (contd.). 7.30—Review, Talk, Dietetics. **RADIO-ROMANIA**, See Bucharest. **ROME**, 7.5—Time, News. 7.35—"Le roi de chez

Maxim"—Operetta (Costa). In the intervals: Talks. **SOTTENS**, Finance. 7.15—"Le Pharmacien"—(Maurey). 7.50—"Le petit soir de Paris." **STOCKHOLM**, Play (contd.). 7.30—Talk. **STRASBOURG**, Orchestra (contd.). 7.30—Time, News, Talks, News in German. **STUTTGART**, News. 7.10—"The Political Stump-Orator"—Comedy after Holberg (Hofbauer). **TOULOUSE**, 7.5—Moretti Operetta Music. 7.30—News, Talk. 7.50—Orchestra. **TURIN**, 7.5—Time; News. 7.35—Records. **VIENNA**, Concert (contd.). **WARSAW**, See Vienna. At 7.20: News, Talk.

8 p.m.

ATHLONE, Lecture-Recital (contd.). 8.10—Concert. **BERLIN**, Egk, Wagner-Régeny and Strauss (contd.). **BEROMÜNSTER**, See Vienna. 8.50—Reading. **BRESLAU**, Sequence (contd.). **BRUSSELS (1)**, Symphony Orchestra. Conductor: André Belle-mans (Baritone). **BRUSSELS (2)**, Radio Orchestra. Conductor: Doulez (Pfte.). Fischer (Cello), Grass (Pfte.) and Vocal Quartet.

10.45 Radio-Paris, Strasbourg: Orchestra, pfte. **OPERAS**
6.30 Budapest 1: "Azra" (Zádor-Szep).
7.10 Munich: "Don Pasquale" (Donizetti).
8.45 Eiffel Tower: "Castor et Pollux."
OPERETTA
7.35 Rome: "Le roi de chez Maxim."
CHAMBER MUSIC
4.0 Radio-Paris: Quartets (Haydn, Borodin).
5.0 Brussels 1: Saxophone Quartet.
9.30 Munich: Berber Quartet, etc.
11.0 Stuttgart, Frankfurt: Mozart, etc.
RECITALS
5.15 Deutschlandsender: Mainardi (cello).
6.50 Regional: Julian Rosetti (pfte.).
8.10 Oslo: Chopin.
9.0 Radio-Normandie: Organ classics.
9.40 Königsberg: Serenade for choir.
PLAYS
6.30 Stockholm: "No" (Heiberg).
8.30 Paris (PTT), etc.: "Le verre d'eau."
LAST NEWS BULLETINS
For Schedule see Monday.
DANCE MUSIC
2.50 Hilversum (1,875 m.); 7.10, Deutschlandsender, etc.; 9.15, Oslo; 9.50, Warsaw; 10.5, Kalundborg; 10.10, Brussels 2, Regional; 10.30, Budapest 1; 11.0, Radio-Normandie; 11.15, National; 11.20, Vienna.

BUCHAREST, Opera Relay (contd.). **BUDAPEST (1)**, "Azra" (contd.). **COLOGNE**, Variety. **DEUTSCHLANDSENDER**, Dance Music. **EIFFEL TOWER**, Political Reviews. 8.45—"Castor et Pollux"—Opera (Rameau), from the Opera. **FRANKFURT**, "Dilettante—Master" (contd.). 8.30—Report about the Rhine-Main Motor Industry. **HAMBURG**, "Wullenwever"—Play (Budich). **HILVERSUM** (1,875 m.), Talk. 8.10—Concert. 8.40—Talk. **HILVERSUM** (301.5 m.), Maastricht Municipal Orchestra. Conductor: Hermans. Osborn (Pfte.). 8.40—Talk. **KALUNDBORG**, Political Festival (contd.). 8.10—Debussy, Ravel. Radio Orchestra. Conductor: Reesen. 8.55—News. **KÖNIGSBERG**, Dance Music (contd.). **LEIPZIG**, Winter Relief Fund Concert. Plietzsch-Marko Orchestra, Three Akriyers and Soloists. Conductor: Hohrath. **MONTE CENERI**, Records. 8.15—Talk. 8.30—Chopin. Herschel (Pfte.). 8.45—Orchestra. **MOSCOW**, Czech Programme: Talk, Folk Music, Questions and Answers. **MUNICH**, "Don Pasquale" (contd.). **OSLO**, Talk. 8.10—Chopin. Gresvik (Pfte.). 8.45—News. **PARIS (PTT)**, Talk. 8.30—"Le verre d'eau" or "Les effets et les causes"—Play (Scribe). **POSTE-PARISIEN**, Records. 8.15—Sketch. 8.30—Jean Planel Programme. **PRAGUE**, Prokofiev Concert. Conductor: Jeremias, Prokofiev (Pfte.). **RADIO-NORMANDIE**, Light Music. **RADIO-PARIS**, Battle of Verdun Anniversary Programme. 8.30—News. 8.45—Time. 8.46—1914-1918 Authors' and Composers' Programme. Orchestra and Soloists.

Conductor: Wolf. **RADIO-ROMANIA**, See Bucharest. **ROME**, Operetta (contd.). **SOTTENS**, "Le petit soir de Paris" (contd.). At 8.20, News. **STOCKHOLM**, Sonata (Beethoven). Ruthström (Violin) and von Dunbar (Pfte.). 8.25—Foreign Politics. 8.45—News. **STRASBOURG**, News (German). 8.10—Talk. 8.30—See Paris (PTT). **STUTTGART**, Comedy (contd.). 8.10—"Max and Moritz"—Burlesque Oratorio (Schuler), to Busch Text. Station Orchestra, Choir and Soloists. **TOULOUSE**, Light Music. Conductor: Rossi. Francesco Lang (Pfte.). **VIENNA**, Symphony Concert (contd.). 8.50—Variety. **WARSAW**, See Vienna. 8.50—Polish Dances and Songs (Rudnicki). Station Orchestra. Choir and Soloists. Conductor: Mierzejewski.

9 p.m.

ATHLONE, Concert (contd.). 9.10—Debate on the Douglas Credit Scheme. 9.30—Variety. **BARCELONA**, Chimes. 9.5—Talk, Orchestra. **BERLIN**, News. 9.30—See Stuttgart. **BEROMÜNSTER**, Reading. **BRESLAU**, News. 9.30—

10.45 Radio-Paris, Strasbourg: Orchestra, pfte. **OPERAS**
6.30 Budapest 1: "Azra" (Zádor-Szep).
7.10 Munich: "Don Pasquale" (Donizetti).
8.45 Eiffel Tower: "Castor et Pollux."
OPERETTA
7.35 Rome: "Le roi de chez Maxim."
CHAMBER MUSIC
4.0 Radio-Paris: Quartets (Haydn, Borodin).
5.0 Brussels 1: Saxophone Quartet.
9.30 Munich: Berber Quartet, etc.
11.0 Stuttgart, Frankfurt: Mozart, etc.
RECITALS
5.15 Deutschlandsender: Mainardi (cello).
6.50 Regional: Julian Rosetti (pfte.).
8.10 Oslo: Chopin.
9.0 Radio-Normandie: Organ classics.
9.40 Königsberg: Serenade for choir.
PLAYS
6.30 Stockholm: "No" (Heiberg).
8.30 Paris (PTT), etc.: "Le verre d'eau."
LAST NEWS BULLETINS
For Schedule see Monday.
DANCE MUSIC
2.50 Hilversum (1,875 m.); 7.10, Deutschlandsender, etc.; 9.15, Oslo; 9.50, Warsaw; 10.5, Kalundborg; 10.10, Brussels 2, Regional; 10.30, Budapest 1; 11.0, Radio-Normandie; 11.15, National; 11.20, Vienna.

See Stuttgart. **BRUSSELS (1)**, Talk. 9.15—Saint-Saëns—Symphony Orchestra. Conductor: André Denoeker (Cello). **BRUSSELS (2)**, "De Patoisseerende Sinte Kruisenaars"—Sketch (Orpha de Landsheer). **BUCHAREST**, Opera Relay (contd.). 9.45—News (French, German, Romanian). **BUDAPEST (1)**, "Azra" (contd.). 9.40—Farkas Cigany Band. **COLOGNE**, Time, News, Theatre Review. **DEUTSCHLANDSENDER**, News. 9.30—Boccherini and Frederick the Great Music. Berlin Ladies Chamber Orchestra (Records). **EIFFEL TOWER**, "Castor et Pollux" (contd.). **FRANKFURT**, Time, News. 9.40—Programme from Stuttgart. **HAMBURG**, News. 9.25—Music. **HILVERSUM** (1,875 m.), Talk. 9.10—Concert. 9.55—Talk. **HILVERSUM** (301.5 m.), Talk (contd.). 9.10—Orchestra (contd.). 9.50—Records. **KALUNDBORG**, News. 9.10—Part-Relay of the Polish Folk Dance Potpourri (Rudnicki), from Warsaw. 9.40—Reading. **KÖNIGSBERG**, News. 9.20—Talk. 9.40—Station Choir. **LEIPZIG**, News. 9.20—"Moritz von Schwind"—Sequence (Jäger). **MADRID (EAJ7)**, Talk. Sextet. **MONTE CENERI**, Orchestra. **MOSCOW**, 9.5—English Programme: Prize-winning Broadcast planned by a Listener. **MUNICH**, Time, News. 9.20—To be announced. 9.30—"Night"—Literary and Musical Programme. Fiedler, Holten (Speakers) and the Berber Quartet. **OSLO**, Topical. 9.15—Modern Dance Music. **PARIS (PTT)**, Play (contd.). **POSTE-PARISIEN**, "Box No. 40"—Crime Play (Diamant-Berger). **PRAGUE**,

Time, News. 9.20—Records. 9.45—News in Russian. **RADIO-NORMANDIE**, Organ with Commentary from Rouen Cathedral. **RADIO-PARIS**, Authors' and Composers' Programme (contd.). **RADIO-ROMANIA**, See Bucharest. **ROME**, Operetta (contd.). Dance Music. **SOTTENS**, League of Nations Report. **STOCKHOLM**, Damme Orchestra. **STRASBOURG**, See Paris (PTT). **STUTTGART**, Time, News. 9.30—Orchestra. Conductor: Pipping. **TOULOUSE**, Fantasy. 9.35—St. Paul (Accordion) and Orchestra. **TURIN**, Concert (contd.). **VIENNA**, News. 9.10—Part-relay of the Polish Concert from Warsaw. 9.45—Letters, Announcements. **WARSAW**, Polish Dances and Songs (contd.). 9.30—Letters, Sports. 9.50—Dance Music.

10 p.m.

ATHLONE, Variety. 10.30—News, Light Music. **BARCELONA**, 10.5—News. 10.20—Toldra Sextet. **BERLIN**, See Stuttgart. **BRESLAU**, See Stuttgart. **BRUSSELS (1)**, News. 10.10—Records. **BRUSSELS (2)**, News. 10.10—Dance Records. **BUCHAREST**, Orchestra. Conductor: Rogalsky. Popesco (Songs), Soarec (Pfte.). **BUDAPEST (1)**, Band (contd.). 10.30—Dance Records. **COLOGNE**, See Stuttgart. **DEUTSCHLANDSENDER**, Krüger Dance Band. **EIFFEL TOWER**, "Castor et Pollux" (contd.). **FRANKFURT**, See Stuttgart. **HAMBURG**, Sietin Concert Orchestra. Conductor: Plato. **HILVERSUM** (1,875 m.), Talk, News. 10.40—Records. 10.55—Racing Report. **HILVERSUM** (301.5 m.), Announcements. 10.15—Giezi Royko Hungarian Orchestra. 10.55—Record. **KALUNDBORG**, 10.5—Donde Dance Band. **KÖNIGSBERG**, Choir (contd.). 10.10—Folk Music. **LEIPZIG**, See Stuttgart. **MADRID (EAJ7)**, Chimes, News, Songs, Guitjar Orchestra. **MOSCOW**, German Talks. **MUNICH**, "Night" (contd.). 10.30—Concert from Stuttgart. **PARIS (PTT)**, Play (contd.). 10.30—News. **POSTE-PARISIEN**, Cabaret. 10.30—Records. **RADIO-NORMANDIE**, Organ (contd.). **RADIO-PARIS**, Authors' and Composers' Programme (contd.). 10.45—Orchestra. Conductor: Rhené-Baton. Astruc (Pfte.). **RADIO-ROMANIA**, See Bucharest. **ROME**, 10.0—News, Dance Music. **STRASBOURG**, See Paris (PTT). 10.45—See Radio-Paris. **STUTTGART**, Orchestra (contd.). **TOULOUSE**, Concert Version, "Enlevez-moi"—Operetta (Gabaroché). 10.30—News. 10.45—Jazz Band. **TURIN**, News (Italian, Spanish). **VIENNA**, News. 10.10—Military Band. **WARSAW**, 10.5—Dance Music.

11 p.m.

BARCELONA, Toldra Sextet. **BUCHAREST**, Records. **BUDAPEST (1)**, Dance Records, News. **EIFFEL TOWER**, "Castor et Pollux" (contd.). **FRANKFURT**, See Stuttgart. **HAMBURG**, 11.25—Racing Report (contd.). 11.25—Records. **HILVERSUM** (301.5 m.)—Records. **KALUNDBORG**, Dance Band. **MADRID (EAJ7)**, Guitar Orchestra, Dance Music. 11.45—News. **RADIO-NORMANDIE**, Dance Music. 11.30—News. 11.40—Cabaret. **RADIO-PARIS**, Orchestra (contd.). **RADIO-ROMANIA**, See Bucharest. **STRASBOURG**, See Radio-Paris. **STUTTGART**, Concert. Part I: Mozart in Salzburg (Records). Saarbrücken Municipal Orchestra, Choir and Soloists. Conductor: Schrimpf. Part II: Schubert Pfte. Music—Giesen and Sonnen. Part III: Violin Sonata (Schmid). **TOULOUSE**, Light Music. **VIENNA**, Band (contd.). 11.20—Dance Records.

12 midnight

BARCELONA, News. **FRANKFURT**, See Stuttgart. **RADIO-NORMANDIE**, Dance Music. At 12.30: Time. **RADIO-PARIS**, Orchestra (contd.). **STRASBOURG**, See Radio-Paris. **STUTTGART**, Concert (contd.). **TOULOUSE**, Music-Hall. 12.15—News. 12.20—Orchestra.

1 a.m. (Saturday)

RADIO-NORMANDIE, Dance Music.

NATIONAL

For Time Signals, see Monday
 10.15 a.m. (Droitwich)—Service.
 10.30 (Droitwich)—Weather Forecast.
 10.45—Sensible Mother's Problems (8)
 —Nervous Habits, by a Doctor.
 11.0—Cinema Organ (Fredric Bayco).
 11.30 (ex. Scottish)—For the Schools:
 Music and Movement for Very
 Young Children—Ann Driver.
 11.30 (Scottish)—Records.
 11.50—Orchestra.
 12.30 p.m.—BBC Dance Orchestra.
 1.15—Edward Isaacs (Pfte.).
 2.0 (Scottish)—See Regional.
 2.5 (ex. Scottish)—For the Schools:
 Travel Talk. 2.30—Music. 3.0—
 Friday Story. 3.15—Friday Talk.
 3.35—Talk for Sixth Forms.
 4.0—Symphony Concert: BBC Mid-
 land Orchestra: Symphony in B
 flat (Mozart), Symphonie Poem
 (Heroic Song) (Dvořák), Suite Op. 9
 (Enesco).
 5.15—BBC Dance Orchestra.
 6.0—"The First News."
 6.25—Bulletin of Special Notices.
 6.30—Foundations of Music. Brahms:
 Early Songs, sung by John Arm-
 strong (Tenor).
 6.50—In Your Garden—C. H. Middle-
 ton.
 7.10—Keyboard Talks (8)—The Week-
 end's Music—Scott Goddard.
 7.30—Young Ideas.
 8.0—Songs from the Shows—Con-
 trasting Composers: Franz Lehár,
 Howard Talbot, Nat D. Ayer, and
 Arthur Schwartz. Cast: W. H.
 Berry, Jean Colin, Webster Booth,
 Sylvia Cecil, Fred Conyngham,
 The Three Ginx.
 9.0—Alfredo Campoli Trio: Playera
 (Sarasate); Spanish Dance (Fallá);
 La Violetta (Padilla); Tango
 (Albeniz); Zapateado, Malaguena
 (Sarasate); Song and Andalusian
 Dance (Luochesi).
 9.30—"The Second News."
 10.0—Transatlantic Bulletin—Ray-
 mond Swing. (From America).
 10.20—BBC Concert of Contemporary
 Music (5), "Malipiero." Ina Souez
 (Soprano), Heddle Nash (Tenor),
 Bradbridge White (Tenor), Stanley
 Pope (Baritone); BBC Men's
 Chorus; BBC Orchestra (Section
 D), conducted by Edward Clark:
 Prelude to Three Comedies of
 Goldini; Philomel and the Lover.
 11.15-12.0 (Droitwich)—Dance Music.
 Grosvenor House Dance Band.

REGIONAL

For Time Signals, see Monday
 10.15-10.45 a.m. (except Midland)—
 Droitwich.
 10.45—BBC Welsh Orchestra.
 11.45—Arthur J. Baker (Organ).
 12.15 p.m.—Records.
 1.0 (Scottish till 1.55)—Birmingham
 Hippodrome Orchestra.
 1.55 (Scottish)—For Schools: Recep-
 tion Test. 2.0—News Review. 2.10
 —Speech Training. 2.35—Concert.
 3.10—Nature Study. 3.35—Talk
 for Sixth Forms—Foreign Affairs.
 2.0 (ex. Scottish)—Geiger and his
 Orchestra.
 2.45 (ex. Scottish)—BBC Northern
 Orchestra.
 3.30 (Scottish from 3.55)—Records.
 4.15—Hotel Metropole Orchestra.
 6.15—Children's Hour.
 6.0—"The First News."
 6.30 (ex. N. Ireland, Scottish)—BBC
 Military Band.
 6.30 (N. Ireland)—Dance Orchestra.
 6.30 (Scottish)—Next Week You'll
 Hear.
 6.40 (Scottish)—Saturday Sport.
 6.50 (Scottish)—Julian Rosetti (Pfte.).
 7.10—From the London Theatre.
 7.30—Mantovani and his Tipica
 Orchestra.
 7.30 (Midland)—BBC Midland Singers.
 7.30 (Western)—West Country Gazet-
 teer; Somerset.
 7.30 (Northern)—Lasbury Sextet.
 7.30 (N. Ireland)—For Farmers.
 7.30 (Scottish)—Scots Corners.
 8.0—Winifred Small (Violin), Maurice
 Cole (Pfte.).
 8.0 (Midland, Northern)—Debate on
 Land Settlement and Unemploy-
 ment.
 8.0 (N. Ireland)—N. Ireland Orches-
 tra; Etta Baird (Soprano).
 8.0 (Scottish)—Revue.
 8.15 (Western)—Song Recital.
 8.30 (Western)—Musical Comedy by
 Welsh Composers.
 8.50 (Midland, Northern)—Pfte.
 9.0 (ex. Western)—"The Doctor's
 Day"—A Ballad Comedy by Walter
 Pitchford. Produced by Charles
 Brewer.
 9.30 (Western)—Village Opinion.
 10.0—News Summary.
 10.10-12.0 (Scottish from 10.40)—
 Dance Music.
 10.10 (Scottish)—Stirling Caledonian
 Strathspey and Reel Society.

Hours of Transmission in Greenwich
 Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 60 kW. Relayed
 by Dublin, 1,348 kc/s (222.6 m.);
 and Cork, 1,240 kc/s (241.9 m.).
 1.30-2.30 p.m.—Records. 5.30—
 Mrs. O'Connor: Drama—"An
 Tincur agus an Sidheog" (An
 Craobhin do cheap). 6.0—Talk
 (Rose Hart). 6.15—News in Irish.
 6.30—Banjo and Steel Guitar—Jack
 MacGarvey (Instrumental). 6.45—
 News. 7.15—Prof. D. Corkery:
 Recent Books. 7.30—Lecture-Recital:
 Rossini and Wagner—Italian and
 German Music compared. Station
 Orchestra and Signor Viani. 8.10—
 Concert. 9.10—Debate on the
 Douglas Credit Scheme. 9.30—
 Variety. 10.30—What happened to-
 day; Light Music. 11.0—National
 Anthem.

BARCELONA (EAJI) (Spain)

795 kc/s (377.4 m.); 7.5 kW.
 Transmits at intervals from 7.15 a.m.
 8.0 p.m.—Sports; Records.
 9.0—Chimes; Weather. 9.5—Talk;
 Station Orchestra. 10.5—News.
 10.20—Toldrà Sextet. 12.0 m't—
 News.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW.
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.—1.0 p.m.—See Frankfurt.
 1.0—News. 1.15—Bund Band; Edith
 Debrück (Soprano). 2.0—Exchange;
 Markets. 3.0—"The Doughnut
 Manikin"—Sequence (Weinreich).
 3.30—Vocal and Instrumental. 4.30—
 Talk: Machiavelli. 4.50—Legal Hints
 for Motorists.
 5.0—See Leipzig. 6.45—Review. 7.0
 —News. 7.10—Stories about Musicians.
 7.30—Station Orchestra. Conductor:
 Schuricht. Wagner-Régeny (Pfte.).
 Georgica (Egk). Orchestral Music
 with Pfte. (Wagner-Régeny). Sym-
 phonia domestica (Strauss). 9.0—
 News.
 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 a.m.—Gym. 11.0—Records.
 11.29—News. 11.40—Records. 12.25
 p.m.—Weather; Exchange. 3.0—
 Strauss and Lehár Records.
 3.30—Zürich High School Orchestra
 and Soloists. 5.0—For Children.
 5.45—Weekly Review. 6.0—Time;
 Announcements. 6.25—Talk: Opera
 and Oratorio.
 6.50—"Joy and Sorrow"—Sequence.
 7.20—News.
 7.35—Part Relay of the Concert from
 Vienna. 8.50-9.15—Reading.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW.
 Relayed by Gleiwitz, 1,231 kc/s
 (243.7 m.).
 Transmits at intervals from 4.0 a.m.
 11.0 a.m.—See Frankfurt. 1.0 p.m.—
 News; Exchange.
 1.15—Variety from Deutschlandsender.
 2.0—Markets. 2.10—Books.
 2.30—Reading. 2.50—Poems. 3.0—
 "Cello Sonata in E minor
 (Brahms). 3.30—A German Calendar.
 3.40—"Students"—A Sequence.
 4.0—Orchestra from Deutschlandsen-
 der. 4.30—Talk: Government
 Food Inspection. 4.50—News; Mar-
 kets.
 5.0—See Leipzig. 6.45—Talk: Breslau
 Chimes. 7.0—News.
 7.10—"Love, Money and Other
 Things"—Sequence (Carell-Vogel-
 Steinbach), with Music. A Miners'
 Band, Station Dance Band, Choir
 and Soloists. Conductor: Topitz.
 9.0—News.
 9.30-11.0—See Stuttgart.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW.
 Transmits at intervals from 5.15 a.m.
 7.40 p.m.—Prague-Brno Inter Relay.
 Discussion. 8.0-10.0—See Prague.

BRUSSELS (No. 1) (Belgium)

620 kc/s (483.9 m.); 15 kW.
 6.37-9.0 a.m.—Records; News; Gym.
 11.30—For Schools. 12.0 noon—
 Records: Turkish and Armenian
 Music. 12.30 p.m.—Light Music.
 Part I. Belgian. Part II. English.
 In the interval at 1.0: News. 1.30-
 2.0—Records: "Carmen" (Bizet).
 4.55—News.
 5.0—Brussels Saxophone Quartet.
 5.30—Lecture Recital: Schubert.
 6.0—Records. 6.15—Legal Talk.
 6.30—Yvonne Bartholeys (Pfte.).
 Eighteen Preludes (Chopin). 7.0—
 Talk: The Loudspeaker.
 7.15—Madeleine Clairy (Songs). La
 fauvette (Grétry). Nocturne (Franck).
 Nebbie (Respighi). 7.30—Colonial
 Review.

8.0—Symphony Orchestra. Con-
 ductor: Franz André. Bellemans
 (Baritone). Overture in Italian
 Style (Schubert). Songs: Serenade
 (Schubert), Au bord de l'eau
 (Fauré). Les pommiers blancs
 (Leemans), Nicolette (Ravel). First
 Symphony (Schubert). 9.0—Talk.
 9.15—Saint-Saëns Concert. Symphony
 Orchestra. Conductor: Franz
 André. Dencker (Cello). "Cello
 Concerto. Second Symphony in
 A minor. 10.0—News.
 10.10—Records. 10.25-11.0—Re-
 cords. "Les Saltimbanques" (Ganne).

BRUSSELS (No. 2) (Belgium)

932 kc/s (321.9 m.); 15 kW.
 Programme in Flemish.
 6.37-9.0 a.m.—Record; Gym; News.
 11.57—Weather. 12.0 noon—Records.
 12.30 p.m.—Weather. 12.31—Station
 Cigány Band. Conductor: Féron.
 In the interval at 1.0: News. 1.30—
 Records: Act IV, "Mefistofele."
 2.0—Shipping. 2.2-2.45—For Schools.
 4.55—News. 5.0—Radio Orchestra.
 Conductor: Douliez. 6.0—Talk:
 The Theatre after Ibsen.
 6.15—Jeanne Jaspas (Pfte.). Gavotte
 variée (Rameau). Three études
 (Chopin). Waltz in D flat (Chopin).
 Scherzo (Mendelssohn). Polonaise
 in A (Chopin). Prelude (Prokofiev).
 Two Pieces (Cherubini): (a)
 Chinese Bagatelles, (b) Homage to
 China. Danza d'Olaï (Pick-Mangia-
 galli).
 6.45—Station Cigány Band. Con-
 ductor: Féron. 7.30—Legal Talk.
 8.0—Radio Orchestra. Conductor:
 Douliez (Pfte.). Fischer (Cello).
 Gras (Pfte.) and Vocal Quartet.
 Overture on Popular Jewish Themes
 (Janin). Allegro appassionato for
 Cello (Saint-Saëns). Ballet Scenes
 (Borodin). Scherzo for Two Pfites.
 (Saint-Saëns). Vocal Quartet: (a)
 Nobody's Sweetheart (Kabn-
 Clokers), (b) Tiger Rag (La Rocca-
 Clokers). Woodland Sketches
 (MacDowell).
 9.0—"De Patoiserende Sinte Krui-
 snaars"—Sketch (Orpha de Land-
 sneer).
 10.0—News. 10.10-11.0—Records of
 Dance Music.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW.
 Relayed by Radio-Romania
 (Brasov), 160 kc/s (1,875 m.).
 Transmits at intervals from 10.30 a.m.
 6.0 p.m.—News. 6.15—Sibiceano
 Orchestra. 6.35—Relay from the
 Opera. 9.45—News (French, German,
 Romanian).
 10.0—Station Orchestra. Conductor:
 Rogalsky. Popesco (Songs). Soarec
 (Pfte.). Overture, Faust (Schumann).
 Songs (Strauss): (a) Traum durch
 die Dämmerung; (b) Freundliche
 Vision. Monologue, "Boris
 Godunov" (Mussorgsky). Ballad
 for Pfte. and Orchestra (Fauré).
 Excerpt, Tasso (Liszt).
 11.0-12.0 m't—Records.

BUDAPEST (No. 1) (Hungary)

546 kc/s (549.5 m.); 120 kW.
 9.20 a.m.—Topical Talk. 9.35—For
 Young People. 11.5—Margit Puky
 (Pfte.). 11.40—News. 12.0 noon—
 Station Salon Orchestra. In the
 interval at 12.15 p.m.: Time; Weather.
 1.40—For Housewives. 3.10—For
 Schools. 3.45—Time; Weather. 4.0—
 Bodrics Cigány Band. 4.50—Sports
 Notes. 5.0—Elemér Tóvölgyi. 5.30—
 Gyula Révere (Harp). 5.55—Talk:
 Ethnography.
 6.30—"Azra"—Opera (Sábor-Szép).
 9.40—Farkas Cigány Band. 10.30—
 Dance Records. 11.5—News.

BUDAPEST (No. 2) (Hungary)

359.5 kc/s (834.5 m.); 20 kW.
 4.55 p.m.—Bodrics Cigány Band. 5.30
 —Shorthand Lesson. 6.30—Talk.
 7.0—Records. 8.0—News.

COLOGNE (Germany)

659 kc/s (455.9 m.); 100 kW.
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.—Station Orchestra. Con-
 ductor: Hagedstedt. In the interval at
 12.0 noon: News. 1.0 p.m.—News.
 1.15-2.0—Variety from Deutschland-
 sender. 2.45—Markets.
 3.0—Variety Programme (arr. Hol-
 zamer)—The "Fröhliche Fünf" and
 Soloists.
 5.0—See Leipzig. 6.45—Snapshots.
 7.0—News.
 7.10—"Soldier-Comrades"—Variety.
 9.0—Time; News. 9.20—Theatre
 Review.
 10.0-11.0—Orchestra from Stuttgart.

DEUTSCHLANDSENDER (Germany)

191 kc/s (1,571 m.); 60 kW.
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.—See Cologne. 12.45 p.m.—
 News.

1.0—Variety. 2.0—Exchange; An-
 nouncements. 2.15—Children's Choir.
 2.40—Bavarian Legends (Records).
 3.0—Station Orchestra. Conductor:
 Dobrindt. In the interval at 3.50: For
 Girls. 4.50—Play for Young People.
 5.15—Mainardi (Cello). Variations on
 a Theme from "The Magic Flute"
 (Mozart-Bethoven). Sonata in F
 (Gailard). 5.45—Talk: The Anti-
 Cancer Campaign.
 6.0—Concert from Leipzig. 6.45—
 For Ex-Servicemen. 7.0—Motto;
 News.
 7.10—Dance Music. Station Orches-
 tra and Dance Band, Henze Hawaiian
 Sextet and Soloists. 9.0—News;
 Sports.
 9.30—Berlin Ladies' Chamber Orches-
 tra (Records). Conductor: Tilsen.
 Adagio (Boccherini). Symphony in
 G (Frederick the Great).
 10.0-11.0—Krüger Dance Band.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Relayed
 by Casel, Coblenz, Freiburg,
 Kaiserslautern and Trier, 1,195 kc/s
 (251 m.).
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.—Hauk Band. 12.0 noon—
 News. 12.15 p.m.—Concert on
 Records; Frankfurt Station Orchestra,
 Hauk Band and Soloists. 1.0—News.
 1.10—Variety from Deutschlandsender
 2.0—Industrial Talk; Exchange. 2.15
 —Reports: A Type-Foundry; Litho-
 graphic Printing.
 3.0 (from Freiburg). Concert. Part I:
 Mandoline and Guitar Band. Part II:
 Municipal Band. 4.30—Reading:
 "Die Stürmer von Douaumont"
 (von Brandis). 4.45—Reading.
 5.0—See Leipzig. 6.45—Topical.
 6.55—Exchange; Announcements. 7.0
 —News.
 7.10—"Dilettante—Master." Music
 of Frederick the Great, Anna Amalia,
 Duchess of Sachsen-Weimar, Prince
 Louis Ferdinand of Prussia, Rousseau,
 Zelter, Hoffmann, Courvoisier, Boro-
 din, Cui, Mussorgsky and Rimsky-
 Korsakov by the Station Orchestra and
 Soloists. Conductor: Merlen.
 8.30—"Autoland"—Report about
 the Rhine-Main Motor Industry. 9.0—
 Time; News; Sports.
 9.40-1.0 a.m. (Saturday)—Programme
 from Stuttgart.

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.).
 Transmits at intervals from 5.0 a.m.
 11.0 a.m.—Shipping.
 11.10—Niemann Wind Band. 1.0 p.m.
 —News. 1.20—Music. 2.0—Ex-
 change. 2.40—Shipping. 2.50—Ice
 Report.
 3.0—See Deutschlandsender. 4.45—
 Joachim Maass reads.
 5.0—Bremen Stadtmusikanten. Con-
 ductor: Krug. Maria Bertazzoni
 (Soprano); Ostertag (Tenor). In the
 interval at 5.45: Shipping. 6.45—
 Wireless Notes. 7.0—News.
 7.10—Scandinavian Music with Com-
 mentary. Symphony Orchestra.
 Conductor: von Sosen. Stig
 (Baritone). King Eric's Songs
 (Rangström). Eine nordische Heer-
 fahrt (Hartmann). Dance of the
 Falling Leaves (Palmgren). Dance
 (Nielsen). Andante funebre (Svend-
 sen). Excerpt, "Gurre-Suite"
 (Halvorsen).
 8.0—"Wullenwever"—Play (Budich).
 9.0—News. 9.25—Music.
 10.0-11.0—Stettin Concert Orchestra.
 Conductor: Plato. Overture.
 "Der Freischütz" (Weber). Träumeri
 (Schumann). Selection, "Der
 Waffenschmidt" (Lortzing). Para-
 phrase on "Es liegt eine Krone"
 (Pachernegg). Brandenburg Dances
 (Pachernegg). The Mill of Sans-
 souci (Leuschner). Heimatklänge
 (Krome).

HILVERSUM (1,875 m.) (Holland)

160 kc/s; 10 kW. until 2.40 p.m.;
 100 kW. from 2.40 p.m.
 7.40 a.m.—V.A.R.A. Programme.
 Records.
 9.40-10.40—V.P.R.O. Programme.
 9.40—Religious Programme. 9.55—
 Records. 10.10—For Women. 10.40—
 V.A.R.A. Programme. Records.
 11.40-3.40 p.m.—A.V.R.O.
 Programme. 11.40—Time; Records.
 12.40 p.m.—A.V.R.O. Orchestra.
 Conductor: Gerhartz. Regina Tuinings
 (Contralto); Palla (Pfte.). 2.10—
 Talk. 2.50—Dance Music by the
 A.V.R.O. Decibels. Conductor:
 Meenk.
 3.45-7.40—V.A.R.A. Orchestra.
 3.45—Records. 4.40—For Children.
 5.10—Concert and Records. 6.40—
 Talk. 7.0—Records; News.
 7.40-10.40—V.P.R.O. Programme.
 7.40—News; Talk. 8.10—Concert.
 8.40—Talk. 9.10—Concert. 9.55—
 Talk; News.
 10.40-11.40—V.A.R.A. Programme.

FRIDAY (February 21)

10.40—Records. 10.55—Report: The
 Six Days' Racing. 11.25-11.40—
 Records.

HILVERSUM (301.5 m.) (Holland)

995 kc/s; 15 kW. until 2.40 p.m.,
 and 60 kW. from 2.40 p.m.
 K.R.O. Programme.
 7.40-8.55 a.m.—Records. 9.40—
 Records. 10.10—Concert. 10.40—
 Records. 11.10—For Invalids. 11.40—
 Police Messages. 11.55—K.R.O.
 Orchestra. Conductor: Gerritsen.
 1.40 p.m.—Records. 2.25-3.40—
 Haak (Organ) and Josephine Boelen
 (Contralto). 3.55—Records.
 4.10—K.R.O. Chamber Orchestra.
 Conductor: Gerritsen. 4.55—
 Records. 5.10—K.R.O. Boys. Con-
 ductor: Lustenhouwer. 5.40—Talk.
 6.0—K.R.O. Melodists. Conductor:
 Lustenhouwer. 6.40—Announcements;
 Talks and Records.
 8.0—Maastricht Municipal Orchestra.
 Conductor: Hermans. Osborn
 (Pfte.). In the interval at 8.40-9.10:
 Talk. 9.50—Records; Announce-
 ments. 10.15—Giezi Rojko Hun-
 garian Orchestra. 10.55-11.40—
 Records.

KALUNDBORG (Denmark)

238 kc/s (1,261 m.); 60 kW. Relayed
 by Copenhagen, 1,176 kc/s (255.1
 m.).
 Transmits at intervals from 6.0 a.m.
 11.0 a.m.—Magnussen String En-
 semble. 1.0-1.30 p.m.—For the
 Unemployed. 2.20—Radio Orchestra.
 Conductor: Grøndahl. In the interval
 at 3.5: For Mothers. 4.20—Weather.
 4.35—Exchange; Markets. 4.50—
 Talk: Yugoslavia. 5.20—German
 Lesson. 5.50—Weather; Wireless
 Notes. 6.0—News. 6.15—Talk by
 Dr. Jørgen Pedersen from the Univer-
 sity: The Population Crisis. 7.0—
 Time; Weekly Review by Per Knutzon.
 7.10—Student Society's Annual Politi-
 cal Festival. Orchestra. Conduc-
 tor: Andersen. Grethe Lisa Loux
 (Songs). Coronation March (Meyer-
 beer). Address of Welcome by
 Hr. Lannung. Community Song:
 Der et yndigt Land (Kroyer).
 Speeches. Britishe Song: Fodt,
 hvor den fri Brisne (Dumreicher).
 Waltz from "Les millions d'Arle-
 quin" (Drigo). Songs: (a) Vaeren
 (Henriques), (b) Aria, "The Witch"
 (Enna), (c) Silkesong (Wiklund),
 (d) Regn (Riisager), (e) Song, "Les
 Brigands" (Offenbach). Address
 by Hr. Bjerre.
 8.10—French Music. Radio Orches-
 tra. Conductor: Reesen. Excerpt,
 Printemps (Debussy). Le tombeau
 de Couperin (Ravil). 8.55—News.
 9.10—Part Relay of the Polish
 Dance Suite (Rudnicki), from
 Warsaw. 9.40—Reading (Gulbrans-
 son).
 10.5-11.30—Donde Dance Band. At
 11:00: Time; 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 5.3 a.m.
 11.0 a.m.—See Frankfurt. 1.0 p.m.—
 News. 1.15—Periodicals.
 1.35—Variety from Deutschland-
 sender. 2.0—Markets. 2.15—For
 Children. 2.40—Talk. 3.0—Station
 Orchestra. Conductor: Wilcken.
 In the interval at 3.40: Talk: Ice-
 Yachting. 4.30—Report: A Farm-
 Labourers' Evening. 4.50—Markets.
 5.0—See Leipzig. 6.45—Topical.
 7.0—News. 7.10—Dance Music
 by the Börschel Band, Dittrich Schram-
 mel Ensemble and Soloists. 9.0—
 News. 9.20—Talk: Prussian States-
 men—von Schrötter.
 9.40—Station Choir. Conductor:
 Firschow. Three Songs (Palestrina).
 Drei gute Dinge (Friderici). Grünet
 die Hoffnung (Kremer). Von der
 edlen Musik (Ratgeber). Runda-
 dinella (Schein). Wein, Weib,
 Gesang (Hiller). Frisch gesungen
 (Silcher).
 10.10-11.0—Folk 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.—See Frankfurt. 1.0 p.m.—
 News.
 1.15—Variety from Deutschlandsen-
 der. 2.0—Anniversaries. 2.5—For
 Women. 2.50—Exchange.
 3.0—See Deutschlandsender.
 3.30—17th Century Dances by
 Etia Harich-Schneider (Harpischord).
 Chaconne (Couperin). Sarabandes
 (de Chambonnières). Dance Suite

FRIDAY (February 21)

in D (Froberger). Hornpipe (Purcell). 4.0—Time; Exchange. 4.10—Talk: Anabaptism. 4.30—Careers for Girls. 4.40—Talk: The Battle of Verdun. 5.0—Leipzig Symphony Orchestra and Soloists. Conductor: Blumer. 6.45—Review. 7.0—News. 7.10—See Deutschlandsender. 8.0 (from Dresden)—Winter Relief Fund Concert from the Vereinshaus. Pletsch-Marko Orchestra, Three Akriyeros and Soloists. Conductor: Hohriyter. 9.0—News. 9.20—"Moritz von Schwind"—Sequence (Jäger). 10.0-11.0—Concert from Stuttgart.

LILLE (Radio PTT Nord) (France) 1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.50 a.m. 7.0 p.m.—Station Orchestra. Conductor: Sorot. 8.0—Time. 8.1—Talk: Egyptian Necropolis. 8.15—Record. 8.20—Talk on Art. 8.30—See Paris (PTT). 10.30—News.

MADRID (EAJ) (Spain) 1,095 kc/s (274 m.); 10 kW. Transmits at intervals from 8.0 a.m. 9.0 p.m.—Talk; Station Sextet. 10.0—Chimes; News; Arenal Song Trio; Barbero Guitar Orchestra. 11.15—Dance Music. 11.45—News. 12.0 m't—Chimes.

MONTE CENERI (Switzerland) 1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 11.0 a.m. 6.0 p.m.—Reading. 6.25—Records: Old Songs. 6.45—News. 7.0—Records. 8.15—Talk: Chopin's Last Love. 8.30—Chopin Pfte. Recital by Herschel. Polonaise, Two Mazurkas and Bolero. 8.45-9.15—Radio Orchestra. Overture, "Prince Methusalem" (Strauss) Ballet, "Bacchus" (Massenet). Mountain Pastorale (Ranzato). Waltz, Fontaines lumineuses (Waldteufel).

MOSCOW (No. 1) (Russia) 174 kc/s (1,724 m.); 500 kW. Transmits at intervals from 2.40 a.m. 6.0 p.m.—Concert Version, "Tosca" (Puccini). 7.0—Russian Folk Songs by a Choir and Folk Instrument Trio. 8.0—Czech Programme: (a) Talk on Socialist Culture; Folk Music; Questions and Answers. 9.5—English Request Programme. 10.0—German Talks: (a) German Peasants of the Trans-Caucasus, (b) Travel Impressions; Sports.

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.—Orchestra from Nürnberg. 12.0 noon—News. 12.15 p.m.—Band from Augsburg. 1.20—News. 2.40—Reading. 3.0—For Farmers. 3.20—"Masked"—Sequence from Shakespeare's Plays (Grotte), with Dances (arr. Schleiger). 4.0—Station Ladies' Choir and Soloists. Conductor: Zengerle. 4.45—Industrial Talk. 4.55—Call of Youth. 5.0—Concert from Augsburg: Orloff Orchestra. Albrecht (Bass). Bothe (Violin). Grube (Accordion). 6.45—"Visitors' Entrance"—Sketch (Meingast). 7.0—News. 7.10—"Don Pasquale"—Opera (Donizetti). Conductor: Winter. 9.0—Time; News. 9.20—To be announced. 9.30—"Night"—Literary and Musical Programme. Fiedler and Holten (Speakers) and the Berber Quartet. 10.30-11.0—Concert from Stuttgart

OSLO (Norway) 260 kc/s (1,153.8 m.); 60 kW. Relayed by Fredrikstad, 776 kc/s (386.6 m.); Hamar, 519 kc/s (578 m.); Notodden, 1,357 kc/s (221.1 m.); Porsgrund, 850 kc/s (352.9 m.); Rjukan, 1,348 kc/s (222.6 m.); and Trøndelag, 629 kc/s (476.9 m.). Transmits at intervals from 9.0 a.m. 4.0 p.m.—Orchestral Concert from Bergen. 5.0—Reading. 5.15—Industrial Review. 5.25—English Lesson. 5.50—News. 6.0—Announcements. 6.15—Weather; News. 6.30—Time. 6.31—For Farmers. 6.45—Government Notes. 7.0—Dramatic Programme. 7.45—Talk. 8.10—Chopin Recital by Mlle Ingebjørg Gressvik (Pfte.). Sonata. Nocturne. Etude in G flat. 8.40—Weather. 8.45—News. 9.0—Topical. 9.15-9.45—Modern Dance Music.

PARIS (Eiffel Tower) (France) 1,456 kc/s (206 m.); 20 kW. Transmits at intervals from 8.0 a.m. 5.0 p.m.—News. 5.15—Lecture from the Sorbonne: Contemporary Literature. 6.45—Theatre Talk. 7.0—News. 7.20—Topical. 7.45—Film Talk. 8.0—Political Reviews. 8.45—"Castor et Pollux"—Opera (Rameau), from the Opéra.

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—An Interview. 12.35—Exchange. 12.39—Folies Bergères Programme. 1.19—Records. 1.30—"The Forest"—Records. 2.0, 3.15, 3.45, 4.35, 6.15—Exchange. 6.20—For Farmers. 6.21—Adagio, Sonata in C minor (Beethoven), by Dubois and Maas (on Records). 6.31—Topical. 6.41—Records. 6.45—Talk. 6.50—Programme by Violette and Paule d'Ambrosio. 7.4—Sports. 7.8—Talk. 7.10—News. 7.25—Amusement Guide. 7.28—Topical. 7.35—Willy Thunis Programme. 7.50—Records. 8.15—Mauricet and Varenne Sketch. 8.30—Jean Planet Programme. 9.0—"Box No. 40"—Crime Play (Diamant-Berger). 10.0—Cabaret. 10.30-11.0—Records: Light Music.

PARIS (PTT) (France) 695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.50 a.m. 5.0 p.m.—Paris Symphony Orchestra. Conductor: Vuillermoz. Paulette Nathan (Songs). Suite, Titania (Hudé). Four Songs. 5.40—Talk: Economics. 5.40—Labour Exchange. 5.50—Literary Review. 6.0—Pergola (Organ) from the Schola Cantorum. 6.30—Topical. 7.38—Paris Symphony Orchestra. Conductor: Vuillermoz. Entr'acte, "La Colombe" (Gounod). March, "Jeanne d'Arc" (Gounod). Ballet, "Les Troyens" (Berlioz). 8.0—Music Talk: Planquette. 8.30—"Le verre d'eau" or "Les effets et les causes"—Play in Five Acts (Scribe), by the Actors of the Comédie-Française. 10.30—News.

PARIS (Radio-Paris) (France) 182 kc/s (1,648 m.); 80 kW. 6.45 a.m.—Gym. 7.0—Dance Records. 7.15—News. 7.45—Gym. 8.0—Legal Talk. 8.15—Records. 10.15—Lecture from the Sorbonne: The Augustan Age of Latin Literature. 11.15—Records. 11.30—For Farmers. 11.45—Jewish Talk. 12.15 p.m.—Poulet Concert Orchestra. Conductor: André Verroust (Songs). In the interval at 12.45: News; For Ex-Servicemen. 2.0—Talk: Brazil. 2.20—Talk: Paris Trades. 2.30—Debussy Records. 2.45—Thérèse Mario (Songs). 3.0—Talk: Canada. 4.0—Indig Quartet. Quartet (Haydn). Quartet in D minor (Borodin). 5.0—English Lesson. 5.25—Review. 5.30—Delibes Concert. Paris Symphony Orchestra. Conductor: Vuillermoz. Scenes, "Le Roi s'amuse." Ballet Music, "Kassya." Excerpts, "Jean de Nivelle." 6.0—For Women. 6.30—Delibes Concert (cont'd). Paulette Nathan (Songs). Overture, "Le Roi l'a dit" Excerpts, "Lakmé." Aria, "Lakmé." Sérénade à Ninon. Chanson de Barberine. Spanish Song, Pas des fleurs. Ballet Music, "Sylvia." 7.30—Theatre Review. 7.40—Talk: Hunting. 7.50—Dietetics. 8.0—Battle of Verdun Anniversary Programme. 8.30—News. 8.45—Time. 8.46—1914-1918 Authors' and Composers' Programme. Orchestra and Soloists. Conductor: Wolf. Petit conte (Gélot). Songs. Recitations. French Ballads (Fort-Gaubert). Valse pétillante (Blot-Yvain). Marc'héty Programme. Prelude, "Galaad" (Melrack). Wolff and Tesson Songs. Fantasia on "Itto" (Wolff). Excerpts, "Schéhérazade" (Klingor-Pierné). Demain (Christine). Les bonnets à poil (Robert).

10.45-12.45 a.m. (Saturday)—Orchestra. Conductor: René-Baton. Yvonne Astruc (Pfte.). Musique de table (Telemann). Invention in B flat (Bach-Enesco). Concerto (Mozart-Casadesu). Sinfonietta (Miaskowski). Prélude pour la mort de Tintagile (Cools). Sérénade champêtre (Ropartz). L'Écyère aux cerceaux (Larmanjat).

PRAGUE (Czechoslovakia) 638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.15 a.m. 3.0 p.m.—Exchange. 3.10—Military Band. 3.40—Russian Lesson. 3.55—String Quartet. 4.40—Talk. 4.50—Markets. 5.0—For Workers. 5.10—German Talks. 5.35—News in German. 5.5—Records. 6.0—News. 6.10—Orchestra. 6.55—Variety. 7.40

—Prague-Brno Inter-Relay: Discussion. 8.0—Prokofiev Concert. Station Orchestra. Conductor: Jeremias Prokofiev (Pfte.). Pfte. Concerto in D flat. Symphonic Suite, Egyptian Nights. Overture on Jewish Themes. 9.0—Time; News. 9.20—Records. 9.45-10.0—News in Russian.

RADIO-NORMANDIE (France) 1,113 kc/s (269.5 m.); 15 kW. 7.0 a.m.—Records. 7.20—News. 7.48—Racing. 7.53—For Housewives. 8.0—Records. 8.15—Time; Records. 8.30—Orchestra. 8.45—Light Music. 9.0—Time; Orchestra. 9.15—Light Music. 9.30—Records. 9.45—Light Music. 10.0—Chansonnettes. 11.0—Mendelssohn-Liszt Concert. Les préludes (Liszt). Overture, The Hebrides (Mendelssohn). Symphony (Mendelssohn). 12.0 noon—Records. 12.15 p.m.—Hunting Horns. 12.30—Concert. In the interval at 12.45: News. 3.30—Viennese Music.

Carl Schuricht, discussing this evening's concert (Berlin, 7.30 p.m.) with Intendant Deumelburg (right), Director of Berlin Station



4.0—Tea-Time Hour. 4.45—Children's Corner. 5.0—Hungarian Music. 5.15—Hawaiian Guitar. 5.30—Light Music. 6.0—For Children. 6.45—News. 7.0—Concert. 7.45—An Interview. 7.48—News. 8.0—Light Music. 8.30—Records. 8.45—Operetta Music. 9.0—Organ Classics with Commentary, from Rouen Cathedral. 11.0—Dance Music. 11.30—News. 11.40—Cabaret. 12.0 m't-2.0 a.m. (Saturday)—Dance Music. In the interval at 12.30: Time.

RADIO-ROMANIA (Brasov) (Romania) 160 kc/s (1,875 m.); 150 kW. See Bucharest.

ROME (Italy) 713 kc/s (420.8 m.); 50 kW. Relayed by Naples, 1,104 kc/s (271.7 m.); Bari (No. 1), 1,059 kc/s (283.3 m.); Bari (No. 2), Milan (No. 2), and Turin (No. 2), 1,357 kc/s (221.1 m.). Transmits at intervals from 6.45 a.m. 4.0 p.m.—Ada Ruata-Sassoli (Harp) and Conforto ("Cello), from the Academy of St. Cecilia. In the interval: Snow Report; Markets. 5.50—Announcements. 6.0—Tourist Talk (Dutch). 6.20—News (English). 6.44—News (French). 7.5—Time; Announcements; Government Notes. 7.15—News. 7.35—"Le roi de chez Maxim"—Three-Act Operetta (Costa). In the intervals: Talk; Tourist Talk. After the Operetta: Dance Music. 10.0-10.30—News; 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. 11.40-1.0 p.m.—From Geneva. 11.40 a.m.—Records. 12.0 noon—News. 12.3 p.m.—Records. 3.29—Time. 3.30—See Beromünster. 5.0 till Close—From Geneva. 5.0—Records. 5.10—Men's Fashions. 5.30—Records. 5.40—Announcements; Sports. 6.5—Records. 6.15—Parliamentary Notes. 6.30—Records. 6.40—News. 7.0—Financial Review. 7.15—"Le Pharmacien"—One Act Play (Maurey). 7.50—"Le petit soir de Paris." Conductor: Pasche. In the interval at 8.20: News. 9.0-9.20—League of Nations Report.

STOCKHOLM (Sweden) 704 kc/s (426.1 m.); 55 kW. Relayed by Motala, 216 kc/s (1,389 m.); Göteborg, 941 kc/s

(318.8 m.); Hörby, 1,131 kc/s (265.3 m.); and Boden, 392 kc/s (765 m.). Transmits at intervals from 6.20 a.m. 4.5 p.m.—Readings. 4.20—Records. 5.15—Lecture from Uppsala University. 6.0—Brandel (Songs). 6.15—News. 6.30—"No"—Play (Heiberg). 7.30—Talk from Örebro: Charles de Foucauld—Soldier, Knight and Hermit. 8.0—Sonata in A for Violin and Pfte. (Beethoven). 8.25—Foreign Politics. 8.45—News. 9.0-10.0—William Damme Orchestra. Overture, "The Gipsy Baron" (Strauss). Danse lente (Franck). Ballet Scene (Filippucci). Potpourri of Slav Melodies (Wilke). Fyra skårgårdsskisser (Björkander). Waltz (Damme).

STRASBOURG (France) 859 kc/s (349.2 m.); 120 kW. Transmits at intervals from 6.45 a.m. 6.30 p.m.—Topical Talk in German. 6.45—Orchestra. Conductor: de Villers. Jeanne Manceau (Songs).

Overture, "The Secret Marriage" (Cimarosa). Songs. Ballet, "Romeo and Juliet" (Gounod). Songs. Persian Dance (Guiraud). 7.30—Time; News. 7.40—Theatre and Music Notes. 7.50—News in German. 8.10—Talk: Television. 8.30—See Paris (PTT). 10.45—See Paris (Radio-Paris).

STUTTIGART (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—See Deutschlandsender. 2.30—Fairy Play (Marchall). 3.0—Pforzheim Symphony Orchestra. Conductor: Leger. Kroegler (Tenor). 4.45—Report from a Scientific Instrument Works. 5.0—See Leipzig. 6.30—Community Singing. 7.0—News. 7.10—"The Political Stump-Orator"—Comedy after Holberg (Hofbauer). 8.10—"Max und Moritz"—Burlesque Oratorio (Schuler) to Busch Text. Station Orchestra. Choir and Soloists. Conductor: Zimmermann. 9.0—Time; News. 9.30—Orchestra. Conductor: Pipping. Overture, "Das Frauenparadies" (Pipping). Kaiser-Walzer (Strauss). Selection, "Madame Butterfly" (Puccini). Symphonic Intermezzo (Pipping). Overture, "Rosemarie" (Pipping). Waltz, "Faust" (Gounod). Selection, "Aida" (Verdi). Prelude, "Gipsy Love" (Lchár). March (Blum).

11.0-1.0 a.m. (Saturday)—Concert. Part I: Mozart in Salzburg (Records). Saarbrücken Municipal Orchestra, Choir and Soloists. Conductor: Schimpf. Chorus, "King Thamos." Sonata in C. Vocal Quartet, "Zaide." Excerpts, Symphony in B flat. Regina coeli in C. Part II: Schubert Pfte. Music by Giesen and Sonnen. Military March in D. Impromptus in A flat and E flat. Military March in E. Part III: Violin Sonata (Schmid).

TOULOUSE (Radio-Toulouse) (France) 913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.15 a.m. 6.0 p.m.—Exchange. 6.5—Mandoline Band. 6.15—Tyrolean Music. 6.30—Opera Music. 6.45—News. 6.50—Orchestra. 7.5—Moretti Operetta Music. Waltz, "Il est charmant." Songs, "Un soir de réveillon," and "Le Comte Obligado." 7.30—News. 7.45—Talk. 7.50—Orchestra. 8.15—Light Music. 8.30—

Chansonnettes. 8.50—Marches. 9.0—"Power"—a Fantasy. 9.35—Maurice St.-Paul (Accordion) and Orchestra. 10.0—Concert Version, "Enlève-moi"—Operetta (Gaba-roche). 10.30—News. 10.45—Station Jazz Band. 11.0—Film Music. 11.15—Viennese Orchestra. 11.30—Opera Aria. 11.45—Marches. 12.0 m't—Music-Hall. 12.15 a.m. (Saturday)—News. 12.20-12.30—Orchestra.

TURIN (No. 1) (Italy) 1,140 kc/s (263.2 m.); 7 kW. Relayed by Milan (No. 1), 814 kc/s (368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,222 kc/s (245.5 m.); Florence, 610 kc/s (491.8 m.); Bolzano, 536 kc/s (559.7 m.). Transmits at intervals from 6.45 a.m. 3.50 p.m.—News. 4.0—See Rome. 5.50—Announcements. 6.0—News in Foreign Languages. 7.5—Time; News; Government Notes. 7.15—News. 7.35—Records.

8.0—Symphony Concert. Conductor: Rossi. Francesco Lang (Pfte.). Overture, "Il matrimonio per raggio" (Cimarosa). Pfte. Concerto in D minor (Mozart). Suite (Labroca). Il molinaro (Massarani). Don Juan (Strauss). Overture, "The Force of Destiny" (Verdi). In the interval: Talk. After the Concert: News (Italian, Spanish).

VIENNA (Austria) 592 kc/s (506.8 m.); 100 kW. Relayed by Graz and Linz, 886 kc/s (338.6 m.); Innsbruck, 519 kc/s (578 m.); Dornbirn, Klagenfurt, and Vorarlberg, 1,294 kc/s (231.8 m.); and Salzburg, 1,348 kc/s (222.6 m.).

Transmits at intervals from 6.0 a.m. 4.30 p.m.—Brahms, Scriabin—Dagmar Schmedes (Soprano); Lahr (Pfte.). 5.0—Talk: Foot Troubles. 5.10—Sports. 5.20—Tourist Notes. 5.35—Talk: Skiing in the Japanese Alps. 6.0—Time; News. 6.20—Winter Sports Report from Innsbruck. 6.45—Fifth Ravag Symphony Concert from the Musikvereinssaal. Vienna Symphony Orchestra. Conductor: Kabasta. Ema Sack (Soprano). Ludwig (Flute). Introductory Talk by Dr. Decsey. Variations and Fugue on a Hiller Theme (Reger). Aria, "Ariadne auf Naxos" (Strauss). Pieces (Holenia): (a) Leicht, lustig, (b) Scherzo, (c) Ständchen, (d) Durch die blühenden Felder. Variations on a Mozart Theme (Adam). Till Eulenspiegels' Merry Pranks (Strauss).

8.50—Variety. 9.0—News. 9.10—Part Relay of the Polish Music from Warsaw. 9.45—Letter-box. 9.55—Announcements. 10.10—Military Band. March (Legve). Overture, "Prince Methusalem" (Strauss). Loin du bal (Gillet). Kirchweihfest (Königshofer). Selection, "The Gipsy Princess" (Kálmán). Roses from the South (Strauss). March (Josef Wagner). In a Persian Market (Keteibey). Old Viennese Folk Music (Kornzak). March (Tichy). 11.20-12.0 m't—Dance Records.

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.); Poznań, 868 kc/s (345.6 m.); Torun, 986 kc/s (304.3 m.); and Wilno, 536 kc/s (559.7 m.).

Transmits at intervals from 5.30 a.m. 10.57 a.m.—Time. 11.0—Fanfare; News. 11.15—For Schools. 11.40—(from Wilno)—Chamber Orchestra. 12.25 p.m.—For Housewives. 12.30-12.35—Labour Exchange. 2.15—Announcements. 2.20—Exchange. 2.30—Records. 3.0—For Invalids. 3.15 (from Lwów)—Seredynski Orchestra. 3.45—For Children. 4.0—Talk. 4.15—Poetry. 4.20 (from Lwów)—Records: Quartet in G minor (Brahms). 4.40—Sports. 4.50—Czaplicki (Songs). 5.20—Topical. 5.30—Social Problems. 5.35—Farmers' Letter-box. 5.45—Announcements. 6.5—Sports. 6.15—Talk. 6.30—Programme to be announced. 6.45—See Vienna. In the interval at 7.20: News; Talk. 8.50—Polish Dance and Song Suite (Rudnicki). Station Orchestra, Choir and Soloists. Conductor: Mierzejewski. 9.30—Technical Letter-box. 9.45—Sports. 9.50—Dance Music.

2 p.m.

ATHLONE, 2.0-2.30—Records. BERLIN, Exchange, 2.30—For Hitler Youth. BRESLAU, 2.5—Carnival in Old Vienna (Wallisch). 2.30—Schubert Songs. 2.50—Discussion. BRUSSELS (1), Dance Band. BRUSSELS (2), 2.3—Plays (Vondel and Langendijk). COLOGNE, For Children, Markets. DEUTSCHLANDSENDER, Exchange, Talks. FRANKFURT, Economics, 2.15—Play. HAMBURG, For Children, Exchange, Shipping. HILVERSUM (1,875 m.), Orchestra. 2.55—Records. HILVERSUM (301.5 m.), For Young People. 2.10—Talk. 2.40—For Children. KALUNDBORG, 2.20—Aarhus Municipal Orchestra, Violin, Clarinet. KÖNIGSBERG, Exchange, Talk, Tales, Talk. LEIPZIG, Anniversaries, Books, For Children. MUNICH, Chess, Records, Reading. PARIS (PTT), Talks, 2.30—Concert for Hospitals. PRAGUE, Records. RADIO-PARIS, A Story, 2.15—Reading, 2.30—French Folk Song Records. STOCKHOLM, 2.15—Almqvist Recital (Songs and Pftes.). STRASBOURG, Orchestra, Markets, 2.30—See Paris (PTT). STUTTGART, For Young People, 2.40—Biden Songs and Dances. VIENNA, Exchange, 2.15—Fairy Comedy (Burkner). WARSAW, Sketch, Exchange, 2.30—Contralto, Violin.

3 p.m.

BEROMÜNSTER, Accordion, 3.30—See Monte Ceneri. BRNO, 3.5—Provincial Programme, 3.30—Suite (Nedbal). BRUSSELS (1), "On ne badine pas avec l'amour". Three-Act Comedy (de Musset). BRUSSELS (2), Records. COLOGNE and GERMAN STATIONS, Variety Concert. HILVERSUM (1,875 m.), Records 3.25—Light Music. HILVERSUM (301.5 m.), For Children, 3.55—K.R.O. Boys. KALUNDBORG, Orchestra (contd.). 3.10—Duets, 3.30—Orchestra (contd.). MONTE CENERI and SOTTENS, 3.30—"Carnival"—Orchestral Music. PARIS (PTT), Concert (contd.). POSTE PARISIEN, 3.45—Exchange. PRAGUE, 3.5—See Brno. 3.50—For Young People. RADIO-NORMANDIE, 3.30—Orchestra. RADIO-PARIS, Play for Children (de Teramond). ROME and TURIN, 3.20—Talk, For Children. STOCKHOLM, For Children, 3.30—Light Music. STRASBOURG, See Paris (PTT). 3.45—Exchange. VIENNA, Fairy Comedy (contd.). WARSAW, French Lesson, For Children, 3.45—Polish Songs.

4 p.m.

BRNO, 4.15—Records, Tales, 4.40—New Opera Arias (in German). BRUSSELS (1), "On ne badine pas avec l'amour" (de Musset) (contd.). 4.30—Records—Quintet (Schumann). BRUSSELS (2), Cigany Band. BUCHAREST, Military Marches. BUDAPEST (1), Edit Farnadi (Pfte.). 4.45—Comedy (Lakatos-Fodor). COLOGNE and GERMAN STATIONS, Variety Concert. HILVERSUM (1,875 m.), Light Music. 4.10—Records, 4.40—Concert by the "Bohemians." HILVERSUM (301.5 m.), K.R.O. Boys, 4.40—Records. KALUNDBORG, Orchestra (contd.). 4.35—Exchange, 4.45—Poem, 4.50—Talk. MONTE CENERI, BEROMÜNSTER and SOTTENS, "Carnival" (contd.). 4.10—Folk Dances, 4.25—Talk, 4.35—Suite (Armando). OSLO, Records. PARIS (PTT), Talks, 4.30—Pasdeloup Concert (Corelli, Handel, Scarlatti, Mozart, Haydn, Liszt, Fauré, Grieg and Beethoven). PRAGUE, For Young People, 4.15—Talks, Records, 4.55—Variety (in German). RADIO-NORMANDIE, Tea-Time Hour, 4.45—Children's Corner. RADIO-PARIS, Light Music—Pascal Orchestra. RADIO-ROMANIA, See Bucharest. ROME, 4.15—Orchestra—Classical Music. STOCKHOLM, Light Music, 4.30—Reading, STRASBOURG, 4.30—See Paris (PTT). TURIN, News, 4.15—Dance Music. VIENNA, News, French Lesson, 4.25—Band. WARSAW, Report, Records, Talk, Records.

5 p.m.

ATHLONE, 5.30—Programmes, 5.45—Light Music. BERLIN, Sports Talk, 5.15—Play with Music. BEROMÜNSTER, Talk, 5.20—Russian Music Records, 5.35—Dialect Talk. BRESLAU, Talk, Reading, Notes. BRNO, Opera Arias (contd.). 5.75—News, Talks. BRUSSELS (1), Constantin Orchestra. BRUSSELS (2), Lecture Recital, Handel Concertos. BUCHAREST, Talk, 5.15—Radio Orchestra. VIENNA, BUDAPEST (1), Comedy (contd.). BUDAPEST (2), Dance Music. COLOGNE, Light Music—Quintet, Pftes. DEUTSCHLANDSENDER, Folk Songs and Dances, 5.45—Sports. FRANKFURT, "The Town Clerk"—a Radio Idyll, 5.20—Topical, Notes. HAMBURG, Talk, 5.30—Report from Schwerin Barracks. HILVERSUM (1,875 m.), Concert (contd.). 5.20—Literary Talk, 5.40—Steyn (Organ). HILVERSUM (301.5 m.), Records, 5.10—News (Espéranto), 5.25—K.R.O. Boys. KALUNDBORG, Talk (contd.). 5.20—French. KÖNIGSBERG, 5.5—For Girls, 5.30—Kellat (Organ), 5.55—"East Prussia's Ice-Yachting Districts"—Sequence. LEIPZIG, Talk, 5.15—Folk Songs and Dances from Deutschlandsender, 5.40—Records (Wagner, Brahms). LILLE, Dance Music, 5.30—Talk. MUNICH, Play for Girls, 5.20—Legal Talk, 5.40—Soprano, Talk. OSLO, For Children, Economics, News. PARIS (PTT) and STRASBOURG, Pasdeloup Concert (contd.). PRAGUE, Variety (in German), Records. RADIO-NORMANDIE, Time, Light Music, 5.15—Records. RADIO-PARIS, Economics, 5.15—Talk, 5.30—Wine—Records. RADIO-ROMANIA, See Bucharest. ROME, Markets, Rural Programme. SOTTENS, Chimes, 5.10—For Children. STOCKHOLM, Records. STUTTGART, Weekly Sound News, 5.30—Folk Songs and Dances from Deutschlandsender. TURIN, For Farmers, For Women, Notes, Records. VIENNA, Band, 5.15—Folk Songs, 5.40—Winter Sports Report. WARSAW, Records, Competition, Books, Notes.

6 p.m.

ATHLONE, Light Music, 6.15—News (Irish), 6.30—Orchestra, 6.45—News. BERLIN, Schumann Recital, 6.45—Evening Echoes. BEROMÜNSTER, Chimes, Markets, 6.20—Wetzel (Pfte.). 6.50—Dialect Sketch. BRESLAU, To be announced, 6.45—Sound News. BRNO, 6.15—Military Band. BRUSSELS (1), Records, 6.15—Talk, 6.30—Records: "The Damnation of Faust" (Berlioz). BRUSSELS (2), Talk, 6.15—Records, 6.30—Radio Orchestra. BUCHAREST, News, 6.15—Records, 6.45—Talk. BUDAPEST (1), Comedy (contd.). 6.35—Records. BUDAPEST (2), Dance Music, 6.35—Nodas Programme. COLOGNE, Talk: Carnival Preparations, 6.45—Snapshots. DEUTSCHLANDSENDER, Wind Band, 6.45—Discussion. FRANKFURT, Military Marches. HAMBURG and STUTTGART, Folk Music. HILVERSUM (1,875 m.), Steyn (Organ), 6.10—Light Music; Talk, 6.40—Frisian Programme. HILVERSUM (301.5 m.), Press Review, 6.25—Records; Programme Announcements. KALUNDBORG, News, 6.20—Lecture Recital, Mongolian Songs. KÖNIGSBERG, Sequence (contd.), Local News, For Ex-Servicemen. LEIPZIG, Records (contd.). 6.10—Domestic Dialogue, 6.50—Review. LILLE, Wagner Records, 6.30—News. MONTE CENERI, Records, [News. MOSCOW, Concert Version, "The Arabian Nights" (Strauss). MUNICH, Orchestra (Philipp Mohler, Dickow and Cesar Bresgen). OSLO, Announcements, News, 6.30—Time, Talk. PARIS (PTT), Pasdeloup Concert (contd.). 6.30—News. POSTE PARISIEN, 6.15—Exchange, 6.20—Religious Programme, Dialogue, Foreign Review. PRAGUE, News, 6.15—See Brno, 6.45—Reading. RADIO-NORMANDIE, For Children, 6.45—News. RADIO-PARIS, Art Review, Talks, 6.30—Opera and Operetta Records. RADIO-ROMANIA, See Bucharest. ROME, Tourist Talk (Espéranto), 6.20—News (Eng., French). SOTTENS, Records, 6.15—Modern Trunch Organ Music, 6.40—

Literary, STOCKHOLM, Sketch, News, 6.30—Old Time Dance Music. STRASBOURG, Sec Paris (PTT), 6.45—French. TOULOUSE, Exchange, Light Music, News. TURIN, News in Foreign Languages. VIENNA, News, 6.10—Report from Mondsee, 6.25—Two Operettas, "Wien bei Nacht" (Helmberger), "Salon Pitzelberger" (Offenbach). WARSAW, Announcements, Talks.

7 p.m.

ATHLONE, Foreign Affairs, 7.10—A Visitor interviewed, 7.30—Symphony Concert—Dublin Philharmonic Society. BERLIN, News, 7.10—Willy Steiner and his Orchestra. BEROMÜNSTER, Sketch (contd.), 7.15—Marches, 7.35—Swiss National Anthem Competition. BRATISLAVA, Orchestra, Talk, 7.40—"Kiss of Love"—Operetta (Prozavnik). BRESLAU, News, 7.10—"The Flying Dutchman"—Opera (Wagner). BRUSSELS (1), Berlioz Records (contd.), 7.30—Fashions. BRUSSELS (2), Radio Orchestra, 7.30—Films. BUCHAREST, 7.5—Dance Music. BUDAPEST (1), A Story, 7.30—Hungarian Songs with Cigany Band. COLOGNE, News, 7.10—"Johann Strauss, the Waltz King." Part I. Early Music, Part II. "A Night in Venice"—Operetta. EIFFEL TOWER, News, Foreign Affairs, Records. FRANKFURT and DEUTSCHLANDSENDER, News, 7.10—"Carnival on the Rhine and the Main"—Relay from the Frankfurt and Worms Carnival Meetings. HAMBURG, News, 7.10—Variety. HILVERSUM (1,875 m.), Frisian Programme, 7.40—News. HILVERSUM (301.5 m.), Talk, 7.15—Meditation, 7.40—News, Report. KALUNDBORG, Records, 7.10—"Adventure"—Three-Act Comedy (Caillavet-de Flers-Rey). KÖNIGSBERG, News, 7.10—"A Rhineland Carnival in Insterburg." LEIPZIG, News, 7.10—"Dancing Snowflakes"—Variety. LILLE, Bach and Laverne Records. MADRID (EAJ7), News, Exchange, Dance Music. MONTE CENERI, "Something for Everybody"—Orchestra, Tenor, Pfte. MOSCOW, "The Arabian Nights" (Strauss) (contd.). OSLO, Station Orchestra. Conductor: Kramm, Elsa Munthe-Kass (Soprano). PARIS (PTT), Topical, 7.38—Light Music played by the Composers. POSTE PARISIEN, Sports, News, Amusements, Records. PRAGUE, To be announced, 7.25—Talk, 7.40—See Bratislava. RADIO-NORMANDIE, Concert, At 7.45: Interview, at 7.48: News. RADIO-PARIS, The Seasons—Records, 7.20—Talk, 7.30—Dialogue, 7.45—Talk. RADIO-ROMANIA, See Bucharest. ROME, 7.5—Time, Sports, 7.15—News, 7.35—"La campana sommersa"—Opera (Respighi). SOTTENS, Literary, 7.10—Opera and Operetta Music. STOCKHOLM, How people amuse themselves. STRASBOURG, Variety, 7.30—News. STUTTGART and MUNICH, News, 7.10—"Lucky People"—Variety. TOULOUSE, 7.5—Orchestra, 7.30—News, 7.45—Light Music. TURIN, 7.5—Time, Sports, 7.15—News, 7.35—"La vedova scaltra"—Comedy (Goldoni). VIENNA, Operettas (contd.). WARSAW, Light Music and Dance Music, 7.45—News, Talk.

8 p.m.

ATHLONE, Symphony Concert (contd.). BERLIN, Willy Steiner and his Orchestra. BEROMÜNSTER and SOTTENS, News, 8.10—"Schwergewicht"—Musical Burlesque (Krenek), 8.40—Anecdotes, 8.50—Excerpts, "A Waltz Dream" (Strauss). BRATISLAVA, "Kiss of Love"—Operetta (contd.). BRESLAU, "The Flying Dutchman" (contd.). BRUSSELS (1), Operetta, Sketch in the interval. BRUSSELS (2), Cabaret. BUCHAREST, Dance Music, 8.45—Motzoi Orchestra. BUDAPEST (1), Hungarian Songs (contd.), 8.30—News, 8.50—Delibes Centenary. Budapest Concert Orchestra. Conductor: Fridl. COLOGNE, "Johann Strauss, the Waltz King" (contd.). EIFFEL TOWER, Home Affairs, 8.30—"Les Trois Filles de Monsieur Dupont" (Brioux). FRANKFURT and DEUTSCHLANDSENDER, "Carnival on the Rhine and the Main" (contd.).

Feb. 22 SATURDAY

HAMBURG, Variety. HILVERSUM (1,875 m.), "Netherlands"—Potpourri with Music. HILVERSUM (301.5 m.), Records, 8.10—K.R.O. Boys. KALUNDBORG, "Adventure"—Comedy (contd.), 8.55—For Young People. KÖNIGSBERG, "A Rhineland Carnival in Insterburg" (contd.). LEIPZIG, Variety (contd.). LILLE, Sports, Records, Talk, 8.30—"Chotard et Cie"—Play (Ferdinand). MADRID (EAJ7), Dance Music, 8.15—News, Songs. MONTE CENERI, "Something for Everybody" (contd.), 8.30—Mendrisio Songs and Proverbs, 8.50—Talk. MOSCOW, German Programme. OSLO, Orchestra (contd.), Recitations, 8.40—News, 8.30—Cabaret. PARIS (PTT), Talks, 8.30—Cabaret. Songs; "Araignée du soir"—Revue (Paul Weill). POSTE PARISIEN, Records, 8.15—Dramatic, 8.30—Yvain Records. PRAGUE, See Bratislava. RADIO-NORMANDIE, Concert (contd.), 8.15—Records, 8.45—Military Sketches. RADIO-PARIS, Marguerite Girard (Songs); Gabrielle du Mensil (Recitations), 8.30—News, 8.45—Time, Lalo Concert. Conductor: Bigot, Benedetti (Violin), Cernay and Etcheverry (Songs). RADIO-ROMANIA, See Bucharest. ROME, "La campana sommersa"—Opera (contd.). STOCKHOLM, Military Band, 8.45—News. STRASBOURG, News (German), 8.15—Two Operas: (a) "Tosca" (Puccini); (b) "Cavalleria rusticana" (Mascagni). STUTTGART and MUNICH, Variety (contd.), 8.10—Dance Music. TOULOUSE, Light Music, 8.30—Sketches, 8.50—Concert Version, "Frasquita"—Operetta (Lehár). TURIN, "La vedova scaltra"—Comedy (contd.), 8.55—Serao (Violin), Fuga (Pfte.) (Beethoven, Fuga, Veracini, Paganini). VIENNA, Operettas (contd.), 8.40—Films. WARSAW, For Poles Abroad, 8.30—Chopin Anniversary Concert. Conductor: Fitelberg. English Talk in the interval.

9 p.m.

ATHLONE, Symphony Concert (contd.), 9.30—Variety. BARCELONA, Chimes, 9.5—Orchestra, 9.15—Soprano, Orchestra. BEROMÜNSTER, Excerpts, "A Waltz Dream" (contd.), 9.30—Dance Records, 9.45—League of Nations Report. BRESLAU, "The Flying Dutchman" (contd.), 9.30—News. BRUSSELS (1), An Operetta (contd.). BRUSSELS (2), Symphony Orchestra, Songs (Rimsky-Korsakov, Candaël, Musorgsky, Opomser, Liadov). BUCHAREST, Motzoi Orchestra, 9.45—News. BUDAPEST (1), Delibes Centenary (contd.). COLOGNE, News, 9.20—For Ex-Servicemen, 9.50—Variety from Leipzig. DEUTSCHLANDSENDER, News, 9.30—Bass, Pfte, 9.45—Weather. EIFFEL TOWER, "Les Trois Filles de Monsieur Dupont" (contd.). FRANKFURT, "Carnival on the Rhine and Main" (contd.), 9.30—News, 9.45—"Waltzes and Wine"—Band and Soloists. HAMBURG, News, 9.25—Music. HILVERSUM (1,875 m.), "Netherlands"—Potpourri (contd.), 9.25—Talk, 9.35—Records, 9.55—News. HILVERSUM (301.5 m.), K.R.O. Boys, 9.10—Talk, 9.15—The Mignon Boys, 9.25—Records, 9.50—K.R.O. Orchestra. KALUNDBORG, For Young People, 9.5—News, 9.20—Rhapsodies and Folk Dances. KÖNIGSBERG, News, Talk, 9.40—Variety from Leipzig. LEIPZIG, BERLIN, and STUTTGART, News, 9.30—Variety. LILLE, "Chotard et Cie"—Play (contd.). MADRID (EAJ7), Talk, Sextet. MONTE CENERI, 9.10—Records: A Carnival Potpourri. MOSCOW, 9.5—French Programme. MUNICH, News, 9.30—Dance Band. OSLO, Topical, 9.15—Norwegian Folk Music, 9.45—Dance Records. PARIS (PTT), Cabaret (contd.). POSTE PARISIEN, Dance Band from the Florence. PRAGUE, News, Records, 9.30—Orchestra. RADIO-NORMANDIE, Variety. RADIO-PARIS, Lalo Concert (contd.). RADIO-ROMANIA, See

Bucharest. ROME, "La campana sommersa"—Opera (contd.). SOTTENS, See Beromünster, 9.30—Dance Music. STOCKHOLM, Dance Band. STRASBOURG, Operas (contd.). TOULOUSE, "Frasquita" (contd.), 9.35—Opera Music. TURIN, Violin and Pfte. (contd.), 9.45—Dance Music. VIENNA, News, 9.10—Vocal Ensembles, Song Records, 9.50—Notes. WARSAW, Chopin Anniversary (contd.), 9.15—A Film, 9.30—Dance Records.

10 p.m.

ATHLONE, Variety, 10.30—News, Light Music. BARCELONA, 10.5—News, 10.20—Chopin—Pfte., Violin, Cello. BRESLAU, Dance Band. BRUSSELS (1), News, 10.10—Dance Band. BRUSSELS (2), News, 10.10—Records (Mozart, Ivanov, Ibert). BUCHAREST, Cristen Orchestra. BUDAPEST (1), Delibes Centenary (contd.), 10.15—Jazz Band. DEUTSCHLANDSENDER, Gaden Dance Band. EIFFEL TOWER, "Les trois Filles de Monsieur Dupont" (contd.). FRANKFURT, "Waltzes and Wine" (contd.). HAMBURG, Dance Music, Band; Quartet; Pftes. HILVERSUM (1,875 m.), News; Records, 10.55—Report on the Six Days' Cycle Race. HILVERSUM (301.5 m.), K.R.O. Orchestra, 10.15—The Mignon Boys, 10.25—Records, 10.40—K.R.O. Orchestra. KALUNDBORG, "Rhapsodies and Folk Dances" (contd.), 10.10—Dance Band. LEIPZIG, BERLIN, COLOGNE, KÖNIGSBERG and STUTTGART, Variety. LILLE, "Chotard et Cie"—Play (contd.), 10.30—News. MADRID (EAJ7), 10.5—News; Theatre Relay. MOSCOW, Swedish Programme. MUNICH, Dance Band, 10.30—Relay from the Municipal Ball. OSLO, Dance Records. PARIS (PTT), Cabaret (contd.), 10.30—News, 10.45—Chapelier Dance Band. POSTE PARISIEN, Dance Band from the Florence, 10.30—Records; Light Music. PRAGUE, Orchestra. RADIO-NORMANDIE, Variety. RADIO-PARIS, Lalo Concert (contd.), 10.45—Dances of 1900-1910. RADIO-ROMANIA, See Bucharest. ROME, News. STRASBOURG, Operas (contd.), Dance Music. TOULOUSE, Music-Hall, 10.30—News, Spanish Songs. TURIN, News, Dance Music. VIENNA, 10.5—Dance Band, Songs. WARSAW, 10.5—Dance Music.

11 p.m.

BARCELONA, Chopin (contd.), 11.30—Talk, 11.40—Dance Records. BERLIN, Dance Band. BRUSSELS (1), Records. BRUSSELS (2), Dance Band. BUDAPEST (1), 11.5—News. FRANKFURT and STUTTGART, "Die Fledermaus"—Operetta (Strauss), on Records. HAMBURG, Dance Music (contd.). HILVERSUM (1,875 m.), Cycle Race Report (contd.), 11.25-11.40—Records. HILVERSUM (301.5 m.), K.R.O. Orchestra, 11.10-11.40—Records. KALUNDBORG, Chimes; Dance Band. MADRID (EAJ7), Theatre Relay; 11.45—News. PARIS (PTT), Chapelier Dance Band. POSTE-PARISIEN, Records; Light Music. RADIO-NORMANDIE, Café Concert, At 11.30: News. RADIO-PARIS, Dances of 1900-1910, 11.15—Light Music. STRASBOURG, Dance Music. TOULOUSE, Light Music, 11.30—Operetta Songs, 11.45—Marches. VIENNA, Dance Band; Songs.

12 midnight

BARCELONA, News. FRANKFURT and STUTTGART, "Die Fledermaus" (contd.). MADRID (EAJ7), Theatre Relay. RADIO-NORMANDIE, Dance Music and Variety, At 12.30: Time. RADIO-PARIS, Light Music. TOULOUSE, Music-Hall, 12.15—News, 12.20-12.30—Orchestra.

1 a.m. (Sunday)

RADIO-NORMANDIE, Dance Music

SATURDAY (February 22)

NATIONAL

For Time Signals, see Monday
 10.15 a.m. (Droitwich)—Service.
 10.30 (Droitwich)—Weather Forecast.
 10.45—The Week in Westminster.
 Megan Lloyd George, M.P.
 11.0—BBC Northern Orchestra;
 Richard Wilson (Bass-Baritone).
 12.15 p.m.—Records.
 1.0 (Droitwich)—Orchestra.
 2.0—Talk to Girl Guides by Lady
 Baden Powell, G.B.E. (Chief Guide),
 relayed from South Africa.
 2.10—Records.
 2.50—Scotland v. Ireland—Running
 Commentary on the International
 Rugby Union Football Match, by
 Capt. H. B. T. Wakelam.
 4.30—London Zigeuner Orchestra;
 Winifred Davis (Mezzo-Soprano).
 5.30—Five Hours Back. A Short
 Wave Relay of what morning
 listeners in America are hearing
 this afternoon.
 6.0—"The First News."
 6.30—Sports Talk—"Women's Hoc-
 key"—by Marjorie Pollard.
 6.45 (ex. Droitwich)—Frederick Sharp
 (Baritone).
 6.45 (Droitwich)—Welsh Interlude.
 7.0—The Saturday Magazine.
 7.45—BBC Orchestra (Section C), con-
 ducted by Frank Bridge: Grand
 March, Alceste (Handel), Overt-
 ure, Rosamunde (Schubert),
 Suite, The King's Diversions (De-
 libes), First Scherzo (Gai), Two
 Hungarian Dances (Brahms).
 8.30—Savoy Hill Memories. Pro-
 gramme arranged and presented by
 Miriam Ferris, produced by Ernest
 Longstaffe. Party of Pioneers in-
 cludes Tommy Handley, Alma
 Vane, Jean Allistone, John Rorke,
 Florence Oldham, Foster Richardson
 and Miriam Ferris.
 9.30—"The Second News."
 10.0—BBC Theatre Orchestra; Laelia
 Finneberg (Soprano): Overture,
 A Waltz Dream (Strauss), Shanghai
 Gesture (Dominic Savino); Songs:
 Why did you kiss my Heart awake
 (Lehar), Czardas (The Gipsy Baron)
 (Strauss); Suite, Pastorale (Scas-
 sola); Songs from Countess
 Maritza (Kalmán); Czardas (The
 Duchess of Chicago) (Kalmán),
 Polacca (Kate and the Devil)
 (Dvorák), Musetta (La Bohème)
 (Puccini), In Ravenna (Hans May).
 11.0-12.0 (Droitwich)—Dance Music.
 Harry Roy and his band, relayed
 from the May Fair Hotel.

REGIONAL

For Time Signals, see Monday
 10.15-10.45 a.m. (except Midland)—
 Droitwich.
 10.45—Cinema Organ.
 11.15—Records.
 12.0—Coventry Hippodrome Orch.
 1.0 p.m. (ex. Midland)—Droitwich.
 2.0—BBC Scottish Orchestra.
 3.0—Cinema Organ (Harold Ramsay).
 3.30—BBC Dance Orchestra.
 4.15—Songs from the Shows. See
 National, Friday.
 5.15—Children's Hour.
 6.0—"The First News."
 6.30 (Regional)—Celebrity Trio.
 6.30 (Midland)—Colliery Band;
 Alfred Butler (Baritone).
 6.30 (Western)—Around and About.
 6.30 (Northern)—Cinema Organ.
 6.30 (N. Ireland)—Echoes of Ulster.
 6.30 (Scottish)—Football Reports.
 6.40 (Scottish)—Piping.
 6.45 (Western)—Welsh Interlude.
 6.45 (N. Ireland)—Records.
 7.0 (Regional, N. Ireland, Scottish)—
 Crystal Palace Band; William
 Heughan (Bass).
 7.0 (Western)—Welsh Programme.
 7.0 (Northern)—Song Recital.
 7.15 (Midland)—Sports Talk.
 7.30 (Midland)—Jean Sablon.
 7.30 (Northern)—Concert: William
 Rees Orchestra; Alan Soulsby
 (Pfte.); Haydn Rogerson (Cello).
 8.40—Interval. 9.0—Part II.
 7.45 (Western)—Dance Records.
 8.0 (ex. Northern)—Topics in the
 Air (6).
 8.30 (Regional, N. Ireland)—Introduc-
 tion and Act I, "Boris Godunov."
 8.30 (Midland)—Introduction to:
 8.35—Act II, "Faust" (Gounod).
 8.30 (Western)—Welsh Programme.
 8.30 (Scottish)—The Week in Scotland.
 8.45 (Scottish)—Scottish Orchestra,
 conductor, John Barbirolli.
 9.15 (Western)—"I Remember."
 9.25 (Regional, Midland)—Quintet.
 9.25 (N. Ireland)—Male Voice Choir;
 Colette Byrne (Pfte.).
 9.30 (Western)—Cabaret.
 9.45 (Scottish)—Records.
 9.50 (Northern)—Pfte. Interlude.
 10.0—News Summary.
 10.10-12.0 (Midland 10.15-11.0; N.
 Ireland from 10.20)—Dance Music.
 10.10 (Midland)—Calendar.
 10.10 (N. Ireland)—George Nash.

Hours of Transmission in Greenwich
 Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 60 kW. Relayed
 by Dublin, 1,348 kc/s (222.6 m.);
 and Cork, 1,240 kc/s (241.9 m.).
 1.30-2.30 p.m.—Records. 5.30—
 Peeps at the Programme. 5.45—
 Light Music—Station Orchestra.
 6.15—News in Irish. 6.30—Orchestra.
 6.45—News. 7.0—Review of Foreign
 Affairs. 7.10—A Visitor interviewed
 at the Microphone.
 7.30—Fourth Symphony Concert of the
 Dublin Philharmonic Society. 9.30—
 Variety. 10.30—What happened to-
 day; Light Music. 11.0—National
 Anthem.

BARCELONA (EAJI) (Spain)

795 kc/s (377.4 m.); 7.5 kW.
 Transmits at intervals from 7.15 a.m.
 9.0 p.m.—Chimes; Weather. 9.5—
 Station Orchestra. 9.15—Maria
 Planas (Soprano) and the Station
 Orchestra. 9.45—Station Orchestra.
 10.5—News.
 10.20—Chopin Anniversary Recital by
 Rosaura Coma (Pfte.), Julio Jarque
 (Violin) and Prió (Cello). 11.30—
 Talk. 11.40—Dance Records. 12.0
 m't.—News.

PRINCIPAL EVENTS

SYMPHONY CONCERTS

4.30 Paris (PTT): Pasdeloup.
 7.30 Athlone: Dublin Philharmonic.
 LIGHT CONCERTS
 12.15 Radio-Paris: National Orchestra, songs.
 2.20 Kalundborg: Aarhus Orchestra.
 3.0 Cologne, etc.: Variety Concert.
 5.0 Brussels 1: Constantin Orchestra.
 6.30 Stockholm: Old Dances.
 7.0 Monte Ceneri: Orch., tenor songs, pft.
 7.0 Oslo: Orchestral and vocal.
 7.10 Sottens: Opera and Operetta Music.
 8.0 Hilyversum (1,875 m.): Wireless Potpourri.
 8.0 Stockholm: Military band.
 8.30 National: Savoy Hill Memories.
 8.45 Radio-Paris: Lalo programme.
 8.50 Budapest 1: Delibes programme.
 9.0 Brussels 2: Symphony Orchestra.
 9.15 Oslo: Norwegian Folk Music.
 9.20 Kalundborg: Folk Music.
 9.30 Leipzig, etc.: Variety Concert.
 11.15 Radio-Paris: Light Music.

OPERAS

7.10 Breslau: "The Flying Dutchman."
 7.35 Rome: "La campana sommersa."
 8.15 Strasburg: "Tosca," "Cavalleria."
 8.30 Regional: "Boris Godunov," Act 1.
 OPERETTAS
 6.25 Vienna: Hellmesberger, Offenbach.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW.
 5.0 a.m.—Motto; Weather; Gym.
 5.30-7.0—See Breslau. 7.0—Gym.
 7.20—Morning Echoes. 7.30—Light
 Music. Schulze-Wittenberg Wind
 Band. 8.30—Gym. 9.0—Markets.
 9.15—"Heroes' Graves in the Branden-
 burg Forests"—Sequence (Wuttke).
 9.45-10.0—Talk: Song-Books. 10.55
 —Weather.
 11.0—See Stuttgart. In the interval at
 12.0 noon; News. 1.0 p.m.—News.
 1.15—Light Music—Schneidewind Or-
 chestra.
 2.0—Exchange; Markets. 2.30—
 For Hitler Youth. 2.55—Call of
 Youth. 3.0—See Cologne. 5.0—Sports
 Talk. 5.15—"Döderlein's Postbag"—
 A Play with Music (Günther Eich-
 Fritz Stuhlmacher).
 6.0—Schumann Recital. Walter
 Schief (Oboe), Ferdinand Leitner
 (Pfte.) and Luise Gmeiner (Pfte.).
 Three Romances for Oboe and
 Pfte., Op. 94. Fantasia in C for
 Pfte., Op. 17.
 6.45—Evening Echoes. 7.0—News.
 7.10—Willy Steiner and his Orchestra.
 9.0—News. 9.30—See Leipzig. 11.0-
 12.0 m't.—Dance Music by the Walter
 Fenske Band.

BEROMÜNSTER

(Switzerland)

556 kc/s (539.6 m.); 100 kW. Re-
 layed by Basle and Berne, 1,375 kc/s
 (218.2 m.).
 5.30 a.m.—Gym. 11.0—Records.
 11.29—News.
 11.40—See Sottens. 12.10 p.m.—To
 be announced. 12.25—Announce-
 ments. 12.30—Parliamentary Review.
 12.45—Records. 1.0-1.30—Book Re-
 view. 3.0—Accordion.
 3.30-5.0—See Monte Ceneri. 5.0—
 Talk. 5.20—Records of Russian Music.
 5.35—Talk in Dialect. 6.0—Chimes.
 6.15—Time; Markets. 6.20—Wetzel
 (Pfte.).

6.50—"s Michel Müetti"—Sketch in
 Dialect (Balmer). 7.15—Marches.
 7.35—"A New Swiss National An-
 them"—The Seven Prizewinners in
 the Anthem Competition. 8.0—
 News.

8.10—"Schwergewicht" or "Die
 Ehre der Nation"—Musical Burlesque
 (Krenek). Municipal Orchestra. Con-
 ductor: Lertz. 8.40—Anecdotes.
 8.50—Excerpts, "A Waltz Dream"
 (Strauss). Municipal Orchestra. Con-
 ductor: Lertz. 9.30—Dance Records.
 9.45-10.0—League of Nations Report.

BORDEAUX-LAFAYETTE

(France)
 1,077 kc/s (278.6 m.); 25 kW.
 Transmits at intervals from 6.50 a.m.
 6.30 p.m.—News. 7.45—Records.
 8.0—English Lesson. 8.15—News.
 8.30—See Paris (PTT). 10.30—News.
 10.45—See Paris (PTT).

BRATISLAVA

(Czechoslovakia)
 1,004 kc/s (298.8 m.); 13.5 kW.
 Transmits at intervals from 5.15 a.m.
 3.50 p.m.—For Children. 4.25—
 Records. 4.30—Film Review. 4.40—
 Hungarian Transmission: Reading;
 Light Music. 5.25—Medical Talk.

7.10 Cologne: "A Night in Venice" (Strauss).
 8.50 Beromünster: "A Waltz Dream" (ex-
 cerpts).

11.0 Frankfurt, Stuttgart: "Die Fledermaus."

RECITALS

5.0 Deutschlandsender: Folk music.
 5.30 Königsberg: Organ.
 6.15 Sottens: Organ (modern French).
 6.20 Kalundborg: Mongolian Songs.
 7.30 Budapest 1: Hungarian Songs.
 8.30 Warsaw: Chopin.

PLAYS

7.35 Turin: "La vedova scaltra" (Goldoni).
 8.30 Eiffel Tower: "Les trois filles de M.
 Dupont."

LAST NEWS BULLETINS

For Schedule see Monday.

DANCE MUSIC

8.10 Stuttgart, etc.; 9.0, Poste Parisien,
 Stockholm; 9.30, Munich, Sottens, War-
 saw; 9.45, Turin; 10.0, Breslau, Deutsch-
 landsender, Hamburg; 10.5, Vienna;
 10.10, Brussels 1, Kalundborg, Regional;
 10.15, Budapest 1; 10.45, Paris (PTT),
 Radio-Paris; 11.0, Brussels 2, National;
 12.0, Radio-Normandie.

MISCELLANEOUS

2.50 National: Scotland v. Ireland (Rugby).
 7.10 Frankfurt, etc., Königsberg: Carnival
 programmes.
 8.0 Brussels 2: Radio Cabaret.
 8.30 Paris (PTT): Cabaret.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Re-
 layed by Gleiwitz, 1,231 kc/s (243.7
 m.).
 4.0 a.m.—Band. In the interval at
 4.30: Weather. 5.0—Hymn; Motto;
 Gym. 5.30-7.0—Band, conductor;
 Engel; Station Dance Band. Con-
 ductor: Rau; Soloists. In the interval
 at 6.0: News. 7.30—See Berlin.
 8.30-8.40—Review. 9.15—See Berlin.
 9.45-10.15—For Children. 10.30-
 10.45—Weather. 11.0—See Stuttgart.
 1.0 p.m.—News; Exchange; Greet-
 ings. 1.10 (approx.)—Variety from
 Deutschlandsender. 2.0—Markets.
 2.5—"Carnival in Old Vienna"—
 Sequence (Wallisch).
 2.30—Schubert Songs sung by Johanna
 Hoppe (Contralto). Der Wanderer
 an den Mond. Der Mutter Erde.
 Schuschucht. Nachtviolen. An den
 Mond.
 2.50—Discussion: Solecisms. 3.0—
 See Cologne. 5.0—Talk: Dresden
 China. 5.30—Reading. In the Church
 at Gomiecourt—An Experience in the
 Great War. 5.50—Programme
 Notes; Markets. 6.0—To be an-
 nounced. 6.45—The Day's Sound
 News. 7.0—News.
 7.10—"The Flying Dutchman"
 Opera in Three Acts (Wagner). Station
 Orchestra and Choir, with Rudolf
 Bockelmann.
 9.30—News. 10.0-11.0—Station Dance
 Band.

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 at 6.0: News. 7.30—See Berlin.
 8.30-8.40—Review. 9.15—See Berlin.
 9.45-10.15—For Children. 10.30-
 10.45—Weather. 11.0—See Stuttgart.
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 Orchestra and Choir, with Rudolf
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 9.30—News. 10.0-11.0—Station Dance
 Band.

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 4.30: Weather. 5.0—Hymn; Motto;
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 ductor: Rau; Soloists. In the interval
 at 6.0: News. 7.30—See Berlin.
 8.30-8.40—Review. 9.15—See Berlin.
 9.45-10.15—For Children. 10.30-
 10.45—Weather. 11.0—See Stuttgart.
 1.0 p.m.—News; Exchange; Greet-
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 Great War. 5.50—Programme
 Notes; Markets. 6.0—To be an-
 nounced. 6.45—The Day's Sound
 News. 7.0—News.
 7.10—"The Flying Dutchman"
 Opera in Three Acts (Wagner). Station
 Orchestra and Choir, with Rudolf
 Bockelmann.
 9.30—News. 10.0-11.0—Station Dance
 Band.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW.
 Transmits at intervals from 5.15 a.m.
 11.0 a.m.—For Farmers. 11.10—Records.

11.25—News. 11.35—Light Music.
 Station Orchestra. Conductor: Bakala.
 12.30 p.m.—Industrial Talk. 12.40—
 For Farmers. 12.45—Record. 12.50-
 1.0—See Prague. 2.0—See Prague.
 3.5—Provincial Programme from
 Olomouc. 3.30—Suite (Nedbal) by
 Hanousek Salon Trio. 3.50—See
 Prague. 4.15—Records. 4.25—Tales.
 4.40—German Transmission. Opera
 Arias—Elsa Fink (Soprano). 5.15—
 News. 5.20—Literary Review. 5.30—
 Telegraphy Lesson. 5.45-6.15—See
 Prague.
 6.15—Military Band Concert. 6.45-
 7.40—See Prague. 7.40—See Bratis-
 lava. 9.0-10.30—See Prague.

BRUSSELS (No. 1) (Belgium)

620 kc/s (483.9 m.); 15 kW.
 6.37-9.0 a.m.—Records; News; Gym.
 12.0 noon—Station Orchestra. Con-
 ductor: Douliez. Misson (Violin).
 Gras (Pfte.). Xylophone (Lombardi).
 10.0—News.
 1.10 p.m.—Station Cigany Orchestra.
 Conductor: Féron. 2.0—Brenders
 Dance Band.
 3.0—"On ne badine pas avec l'amour"
 —Comedy in Three Acts (de Musset).
 4.30—Records: Pfte. Quintet in E
 flat (Schumann) by Schnabel
 and the Pro Arte Quartet.
 4.55—Announcements. 5.0—Con-

stantin Orchestra. Conductor: Maet-
 tens. 6.0—Records. 6.15—Talk:
 The Singer's Diction.
 6.30—Records: "La Damnation de
 Faust" (Berlioz). 7.30—Fashion
 Review.
 8.0—Operetta. In the interval:
 "Fais divers"—Sketch (Fontaine).
 10.0—News. 10.10—Brenders Dance
 Band. 11.0-12.0 m't.—Records.

BRUSSELS (No. 2) (Belgium)

932 kc/s (321.9 m.); 15 kW.
 Programme in Flemish.
 6.37-9.0 a.m.—Records; News; Gym.
 11.57—Weather. 12.0 noon—Station
 Cigany Band. Conductor: Féron.
 In the interval at 12.30 p.m.:
 Weather. 1.0—News.
 1.10—Radio Orchestra. Conductor;
 Douliez. Selection, "La Favorita"
 (Donizetti), "The Girl of the Golden
 West" (Puccini), "Carmen"
 (Bizet), "The Gipsy Princess"
 (Kalmán), "Das kleine Café"
 (Behazky). 2.0—Shipping.
 2.3—Plays by the Company of the
 Royal Flemish Theatre, Antwerp:
 (a) "Lucifer" (Vondel), (b) "The
 Mutual Marriage Fraud" (Langen-
 dijk).

BRUSSELS (No. 2) (Belgium)

932 kc/s (321.9 m.); 15 kW.
 Programme in Flemish.
 6.37-9.0 a.m.—Records; News; Gym.
 11.57—Weather. 12.0 noon—Station
 Cigany Band. Conductor: Féron.
 In the interval at 12.30 p.m.:
 Weather. 1.0—News.
 1.10—Radio Orchestra. Conductor;
 Douliez. Selection, "La Favorita"
 (Donizetti), "The Girl of the Golden
 West" (Puccini), "Carmen"
 (Bizet), "The Gipsy Princess"
 (Kalmán), "Das kleine Café"
 (Behazky). 2.0—Shipping.
 2.3—Plays by the Company of the
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 (a) "Lucifer" (Vondel), (b) "The
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 6.37-9.0 a.m.—Records; News; Gym.
 11.57—Weather. 12.0 noon—Station
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 1.10—Radio Orchestra. Conductor;
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 1.10—Radio Orchestra. Conductor;
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 In the interval at 12.30 p.m.:
 Weather. 1.0—News.
 1.10—Radio Orchestra. Conductor;
 Douliez. Selection, "La Favorita"
 (Donizetti), "The Girl of the Golden
 West" (Puccini), "Carmen"
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 Programme in Flemish.
 6.37-9.0 a.m.—Records; News; Gym.
 11.57—Weather. 12.0 noon—Station
 Cigany Band. Conductor: Féron.
 In the interval at 12.30 p.m.:
 Weather. 1.0—News.
 1.10—Radio Orchestra. Conductor;
 Douliez. Selection, "La Favorita"
 (Donizetti), "The Girl of the Golden
 West" (Puccini), "Carmen"
 (Bizet), "The Gipsy Princess"
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932 kc/s (321.9 m.); 15 kW.
 Programme in Flemish.
 6.37-9.0 a.m.—Records; News; Gym.
 11.57—Weather. 12.0 noon—Station
 Cigany Band. Conductor: Féron.
 In the interval at 12.30 p.m.:

12.45 p.m.—News. 1.0—Variety. 2.0—Weather; Exchange; Programme Notes. 2.10—Talk: Adventures and Experiences. 2.30—Economic Report. 2.45—Talk: Your own home and your own land. 3.0—See Cologne. 5.0—Folk Songs and Dances by a Children's Choir and the Steinbock Band. 5.45—Weekly Sports Review. 6.0—Arthur Jander Wind Band. March. Schützenzweife (Jander). Overture. "William Tell" (Rossini). Im Walzerrausch (Lincke). Selection. "Coppélia" (Delibes). Rocooco Serenade (Meyer-Helmund). March. Frühling im Zoo (Jander). 6.45—Topical Discussion. 7.0—News. 7.10—See Frankfurt. 9.0—News. 9.30—Rolf Heide (Bass); Herbert Jäger (Pfte.). 9.45—Weather. 10.0-11.0—Gaden Dance Band. Inge Vesten (Songs).

FRANKFURT (Germany)

1.195 kc/s (251 m.); 25 kW. Relaycd by Cassel, Coblenz, Freiburg, Kaiserslautern and Trier, 1.195 kc/s (251 m.). 5.0 a.m.—Hymn; Motto; Gym. 5.30-7.0—See Breslau. 7.0—Weather. 7.10-7.30—Gym. 7.45-8.0—Sports Talk for Young People. 9.15—See Berlin. 9.45—Local News. 10.0—For Housewives. 10.15-10.30—Programme Notes; Markets; Weather. 10.45—Notes. 11.0—See Stuttgart. 1.0 p.m.—News 1.10—Variety from Deutschlandsender. 2.0—Economic Report. 2.15—"Im Careswald heult der Sturm"—Play (Otto Wehr). 3.0—See Cologne. 5.0—"The Town Clerk"—A Radio Idyll from Alsfeld. 5.20—The Roving Microphone; Weekly Review. 5.55—Weather; Markets; Programme Notes. 6.0—Military Marches—Band. Conductor: Steuer. 6.55—Call of Youth. 7.0—News. 7.10—"Carnival on the Rhine and the Main"—Relays from the Frankfurt and Worms Carnival Meetings. 9.30—News. 9.40—Local News; Weather; Sports. 9.45—"Waltzes and Wine"—Hauck Band; Margrit Ziegler (Soprano); Treffner (Tenor); and Willi Hartmann and Ernst Morin. March. Was bringen uns die Reben (Lincke). Overture. "Lachendes Leben" (Rust). Ja, ja, der Wein ist gut (Strecker). Wine, Woman and Song (Strauss). Song. Fesch im Dreiviertel-Takt (Rohrbeck). Potpourri of Rhenish Songs and Drinking Songs (Höser). Drunten in der Lobau (Stoltz). Marching Song. Mein schönes Kind vom Rhein (Ottens). Hörst du sie klingen, die Walzer von Strauss (Trauner). Waltz. Wiener Blut (Strauss). Song. Ja der Wein ist stärker als wir (Simlinger). Waltz Song. Kling, Klang, stossst einmal an (Ottens). Marching Song. Beim Rheinwein (März). Waltz Potpourri. Ballerinnen (Rohbrecht). Ich trinke auf dein Wohl (Ottens). Potpourri of Rhenish Songs and Drinking Songs. Mit Willi Ostermann am Rhein (Ottens). 11.0-1.0 a.m. (Sunday)—"Die Fledermaus"—Operetta in Three Acts (Johann Strauss), on Records.

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW. Relaycd by Bremen, Flensburg, Hanover, Magdeburg and Stettin, 1.330 kc/s (225.6 m.). 5.0 a.m.—Motto; Gym. 5.25—Weather. 5.30-7.0—See Breslau. News in the interval. 7.0-7.15—For Housewives. 9.15—See Stuttgart. 9.50 (from Magdeburg)—Band. Conductor: Krüger-Burghardt. 10.50—Ice Report. 11.0—Shipping. 11.10—Light Music from Stuttgart. In the interval at 12.0 noon: Weather and Midday Review. 1.0 p.m.—News. 1.20—Musical Interlude. 2.0—For Children. 2.20—Exchange. 2.40—Shipping; Ice Report. 3.0—See Cologne. 5.0—Talk: Field-Marshal von Blücher. 5.30—Report from Schwerin Barracks. 5.50—Weather. 6.0—Folk Music. Mandoline and Guitar Band; Folk Music Society; Fred Ruffer (Zither). Waltz. Die guten alten Zeiten (Strauss). Humoresque (Kretschmar). Amütiger Tanz (Naumann). Waltz Intermezzo. Balgheimisse (Ludwig). Bravour-Polka (Kullmann). Bandonion; Neckteufelchen (Fries). Bandonion Trio; Auf leichten Füßen (Porschmann). Transylvanian Solstice Dances (Clausius). Der Frühling (Grieg-Ellermann). Fünfsche Fantasia (Ludwig). Rheinländer-Intermezzo (Müller). Mountain Echoes (Mühlhölzl). Edith-Polka (Scherer). March. Zum Städtele hinaus (Meissner).

7.0—News. 7.10—Variety Concert from the Stadthalle, Magdeburg. Milly Stolle (Mezzo-Soprano); Karl Ernst Ohlhaw (Tenor); Kurt Schmid-Reuss (Bass); Margot Behsee (Soubrette); Rudolf Klaus (Accordion); Magdeburg Teachers' Choral Society; Erich Richter Dance Band; Magdeburg Orchestra. Conductor: Theil. 9.0—News. 9.25—Musical Interlude. 10.0-12.0 m.—Dance Music. Station Dance Band; Male Voice Quartet; and Gerhard Gregor and Richard Beckmann (Pftes.).



Mme. Stella Korb sings from Brussels No. 1 at 8 p.m.

HILVERSUM (1,875 m.)

(Holland) 160 kc/s; 10 kW. until 2.40 p.m.; 100 kW. from 2.40 p.m. 7.40-9.40 a.m.—V.A.R.A. Programme. 7.40—Jong (Organ). 8.10—Records. 9.40—V.P.R.O. Religious Programme. 9.55 till Close—V.A.R.A. Programme. 9.55—Violin, Pfte. and Mandoline Music; Records; Recitations. 11.40-1.25 p.m.—Records. 1.40—de Klijn (Violin); Wins (Pfte.). 1.55—Orchestra. Conductor: Wallis. 2.55—Records. 3.25—Light Music. Conductor: Wallis. Maidy Meth (Songs). 4.10—Records. 4.40—"The Bohemians"—Conductor: v. d. Horst. v. Dongen (Songs). 5.20—Literary. 5.40—Steyn (Organ). 6.10—Light Music. Conductor: Tiggers; Talk. 6.40—Friskan Programme. 7.40—News. 8.0—Netherlands Potpourri (Bomli-Renes); Music by Renes. V.A.R.A. Orchestra. Conductor: de Groot. Men's Choir; "Schalmel"; Ladies' Choir—Conductor: Renes; Soloists. 9.25—Talk. 9.35—Records. 9.55—News; Records. 10.55—Report on the Six Days' Cycle Race. 11.25-11.40—Records.

HILVERSUM (301.5 m.)

(Holland) 995 kc/s; 15 kW. until 2.40 p.m. and 60 kW. from 2.40 p.m. K.R.O. Programme. 7.40-8.55 a.m.—Records. 9.40—Records. 10.10—Concert. 10.40—Records. 11.10—Religious Address. 11.40—News; Records. 12.40 p.m.—K.R.O. Orchestra. Conductor: van 't Woud. 1.25—Records. 1.40—For Youth. 2.10—Talk. 2.40-3.40—For Children. 3.55—K.R.O. Boys. Conductor: Lustenhower. 4.40—Records. 5.10—News in Esperanto. 5.25—K.R.O. Boys (contd.). 6.0—Press Review. 6.25—Records. 6.0—Announcements; Talk. 7.15—Meditation. 7.40—News; Report; Records. 8.10—K.R.O. Boys. Conductor: Lustenhower. 9.10—Talk. 9.15—"The Mignon Boys." 9.25—Records. 9.50—K.R.O. Orchestra. Conductor: van 't Woud. 10.10—Announcements. 10.15—"The Mignon Boys." 10.25—Records. 10.40—K.R.O. Orchestra. Conductor: van 't Woud. 11.10-11.40—Records.

JUAN-LES-PINS (Radio Côte d'Azur) (France)

1,276 kc/s (235.1 m.); 0.8 kW. Transmits at intervals from 12.15 p.m. 7.0 p.m.—Orchestra. 7.25—For Children; Amusements. 7.30—Popular Programme. 7.45—Talk. 8.0—News. 8.15—Light Music. 9.0—News. 9.15—Variety. 10.30—Dance Music.

KALUNDBORG (Denmark)

238 kc/s (1,261 m.); 60 kW. Relaycd by Copenhagen, 1,176 kc/s (255.1 m.). 6.0 a.m.—Gym. 7.30—Service. 10.10—Fish Prices. 10.45—Gym. 11.0-1.0 p.m.—Chimes; Bendix String Ensemble. 1.50—For Children.

2.20—Aarhus Municipal Orchestra, from the Aarhus Theatre. Conductor: Thomas Jensen. Fabricius (Violin), Klötzel (Clarinet). Suite. "Peer Gynt" (Grieg). Romance (Olsen). Romance in C (Sibelius). Overture. "William Tell" (Rossini).

3.10 (approx.)—Rosa and Svend Prahl (Duets). Part I. Grandjean Songs. Det hvister om Foraer ude i Lund. Taet falder Foraersbygen. Nu briser Isen om Lande. Part II. Horneman Songs. Nattergalen og Rosen. Det skønneste Øjeblik. Morgen.

3.30—Orchestra (contd.). French Military March (Saint-Saëns). Petite suite (Debussy). Adagio (Mozart). Polka (Lumbye). Serenade (Pierné). The Diplomats (Souza). 4.35—Exchange; Markets. 4.45—Poem.

4.50—Talk: The St. Hans Festival in Svancke. 5.20—French Lesson. 6.0—News. 6.20—Lecture-Recital by Karen Kamp: Mongolian Songs. 7.0—Records.

7.10—"Adventure"—Three-Act Comedy (Caillavet-de Flers-Rey), Trans. by Paul Sarauw. 8.55—For Young People. 9.5—News.

9.20—Rhapsodies and Folk Dances—Radio Orchestra. Conductor: Grøndahl. Midsommervaka (Alfven). Slav Dance in A flat (Dvořák). Norwegian Dance in D minor (Grieg). Old Contredances, Waltzes and English Dances (arr. Grøndahl). Hungarian Rhapsody (Liszt).

10.10-11.15—Peterson Dance Band. At 11.0—Time; Chimes.

KÖNIGSBERG (Heilsberg) (Germany)

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

5.3 a.m.—Weather; Gym. 5.30-7.0—See Breslau. 7.0—Prayers. 7.15—Gym.

7.40-8.30—Orchestra from Berlin. 9.15-9.45—See Berlin. 10.30—Talk: The Industrial Advisory Bureau. 11.0—See Stuttgart. 1.0 p.m.—News. 1.15—Books.

1.30—Light Music from Berlin. 2.0—Markets; Exchange. 2.10—Talk: Everyday Joys. 2.20—Fairy Tales for Children. 2.45—Talk: The Rhineland Carnival. 3.0—See Cologne. 5.0—Markets. 5.5—For Girls.

5.30—Kelletat (Organ). Toccata in G (Speith). Suite in Three Movements (Krieger). Organ Chorals (Ramin). 5.55—East Prussia's Ice-Yachting Districts—Reports from Tolkenit, Cranz and Angerburg. 6.20—Local News. 6.30—For Ex-Serviceman. 7.0—News.

7.10—"A Rhineland Carnival in Insterburg"—Königsberg Station Orchestra, Dietrich Schrammel Ensemble and Soloists. 9.0—News. 9.20—Talk: Festivals on the Island of Bali. 9.49-11.0—Variety Concert from Leipzig.

LAHTI (Finland)

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

Transmits at intervals from 6.5 a.m. 6.20 p.m.—Station Orchestra. Conductor: Linko. Finnish Melody (arr. Herrmann). Potpourri (arr. Jäger). 6.45—Report.

7.15—Station Orchestra. Pirun polska (Kuula). Suite Pastorale (Palmgren). Dansvision (Madoetja). Beim Bergsgobollen (Kaski). 7.45—News (Finnish, Swedish). 8.15-10.0—Records.

LEIPZIG (Germany)

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

5.0 a.m.—Motto; Gym. 5.30-7.0—See Breslau. 7.0—Gym. 7.20—For Housewives. 7.30-8.30—See Berlin. 8.50—Exchange. 9.0—Weather; Programme Notes. 9.15-9.45—See Berlin. 10.30—Weather; For Farmers. 11.0—See Stuttgart. In the interval at 12.0 noon: News.

1.0 p.m.—News; Exchange. 1.15—Variety from Deutschlandsender. 2.0—Anniversaries. 2.5—Book Review. 2.25—For Children. 2.50—Weather; Markets.

3.0—See Cologne. 5.0—A Modern Dictionary. 5.15—Folk Dances and Folk Songs from Deutschlandsender. 5.40—Records of the Leipzig Conservatoire Orchestra. Conductor: Davisson. Prelude. "The Mastersingers" (Wagner). Variations on a Haydn Theme (Brahms).

6.10—"The Eternal Skirmish"—A Domestic Dialogue (Hans Balzer). 6.50—Evening Review. 7.0—News. 7.10—"Dancing Snowflakes"—Variety. EmDe Orchestra, Station Choir and

Soloists. Conductor: Schröter. 9.0—News. 9.30-11.0—Variety Concert. EmDe Orchestra, Betty Sedlmayr and Erwin Hartung.

LILLE (Radio PTT Nord) (France)

1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.50 a.m. 12.0 noon—Records. 12.15 p.m.—Concert. In the interval at 1.15: News; 2.20—Markets. 2.30—See Paris (PTT). 3.45—Exchange. 4.0—Song Records of Guy Berry. 4.10—Markets. 4.30—Records.

4.45—Opera Arias. "La Favorita" (Donizetti). "Les Dragons de Villars" (Maillart). "Les noces de Jeannette" (Masse). 5.0—Dance Music. 5.30—Talk by Dr. Deffontaines: The Battle of Bouvines.

6.0—Wagner Records. Overture and O Star of Eve. "Tannhäuser." Elsa's Dream. "Lohengrin." Death of Isolde. "Tristan and Isolde." Prelude to Act III. "The Mastersingers."

6.30—News. 7.0—Bach and Laverne Records. 8.0—Time; Sports. 8.10—Record. 8.15—Cookery. 8.30—"Chotard et Cie"—Three-Act Play (Ferdinand). 10.30—News.

LYONS (La Doua) (France)

648 kc/s (463 m.); 90 kW. Transmits at intervals from 6.50 a.m. 8.0 p.m.—Talks. 8.22—Sports. 8.30—Variety. 10.30—News. 10.45-12.0 m.—See Paris (PTT).

MADRID (EAJ7) (Spain) 1,095 kc/s (274 m.); 10 kW. Transmits at intervals from 8.0 a.m. 9.0 p.m.—Literary Talk; Station Sextet. 10.5—News; Relay from a Theatre. In the interval at 11.45: News. 1.0 a.m.—Chimes.

MONTE CENERI (Switzerland)

1,167 kc/s (257.1 m.); 15 kW. 11.0 a.m.—Announcements. 11.2—Radio Orchestra. Conductor: Herschel. 11.30—News. 11.40—See Sottens. 12.10 p.m.—Records. 12.45-1.0—For Housewives. 1.30—"Carnival"—Radio Orchestra. Overture. Prince Carnival (Blasius). Pulcinella (Arbeau). Musjque pour Guignol (Gabric-Marie). Mascherata (Pedrollo). Harlequin's Serenade (Schütt). Ballet. "Les Millions d'Arlequin" (Drigo). Dancing Marionettes (Pétras). Pierrrot's Farewell (Humphries). Overture. "Tutti in maschera" (Pedrotti).

4.10—Folk Dances by the Rusticanella Band. Polka, Che ridere (Becucci). Mazurka, Among the Roses (Sartori). Waltz, Espérance perdue

MOSCOW (No. 1) (Russia) 174 kc/s (1,724 m.); 500 kW. Transmits at intervals from 2.40 a.m. 6.0 p.m.—Concert Version. "The Arabian Nights"—Operetta (Strauss). 8.0—U.S.S.R. Review (German). Questions and Answers (German). 9.5—U.S.S.R. Review (French). Questions and Answers (French). Sports and Theatre Notes (French). 10.0—Swedish Programme: (a) Talk on Voroshilov; (b) Questions and Answers; (c) Soviet Humour.

MUNICH (Germany) 740 kc/s (405.4 m.); 100 kW. Relaycd by Nürnberg, 1,267 kc/s (236.8 m.). 5.0 a.m.—Motto; Gym. 5.30—See Breslau. 6.0—News. 6.10—Orchestra. 7.0—Gym. 7.20—For Housewives. 9.15-9.45—See Stuttgart. 10.0—For Country People. Markets; Schrammel Trio; Reading; News. 11.0—Light Orchestra. Music Conductor: Kloss. Franz Mihalovic (Violin). 12.0 noon—News. 12.15 p.m.—Station Orchestra. Conductor: Kloss. Lotte Stumpf (Soprano). Siamesische Wachtparade (Lincke). Waldeinsamkeit (Regler). Nocturne (Plank). Romanian Melody (Kümann). Winterlieder (Koss). Hedi-Walzer (Carste). Folk Melodies (Macho). Isola bella (Lincke). Blumengeflüster (Blon). Love Song (Murzilli). Schön-Erika (Blume). Danzig treu-deutsch (Thiele).

1.0 p.m.—News. 1.10—Sports. 1.20—Programme by Boys. 1.45—Chess Lesson. 2.15—Records of Enrico Mainardi (Cello). Largo in C (Boccherini). Sicilienne (Paradies). Allegro spiritoso (Senaillé). 2.30—Reading (Ehrhardt - Dachau). 2.50—Markets. 3.0—See Cologne. 5.0—"Die Faschingsschachtel"—Play for Girls (Schwela). 5.20—Legal Talk. 5.40—Hanna Rodeg (Soprano). Ich trage meine Minne (Strauss). Komm, gib mir die Hand (Wallnöfer). Heimweh (Wolf). 5.50—Topical. 6.0—Station Orchestra. Concertino (Philipp Mohler). Conductor: The Composer. Orchesterfuge (Dickow). Conductor: Hans Winter. Heitere Suite (Cesar Bresgen). Conductor: The Composer. 7.0—News. 7.10-9.0—See Stuttgart. 9.0—News. 9.20—To be announced. 9.30—Station Dance Band. 10.30-11.0—Relay from the Munich Municipal Ball in the "Deutsches Theater."

OSLO (Norway) 260 kc/s (1,153.8 m.); 60 kW. Relaycd by Fredrikstad, 776 kc/s (386.6 m.); Hamar, 519 kc/s (578 m.); Notodden, 1,357 kc/s (221.1 m.); Porsgrund, 850 kc/s (352.9 m.); Rjukan, 1,348 kc/s (222.6 m.); and Trøndelag, 629 kc/s (476.9 m.). Transmits at intervals from 10.30 a.m. 4.0 p.m.—Records. 5.0—For Children. 5.30—Talk: Economics. 5.50—News. 6.0—Announcements. 6.15—Weather; News. 6.30—Time. 6.31—Talk: Terminology. 7.0—Station Orchestra. Conductor: Kramm. Soloist: Elsa Munthe-Kaas (Soprano). 8.10—Recitations. 8.40—Weather. 8.45—News. 9.0—Topical. 9.15—Norwegian Folk Music for Strings. 9.45-10.30—Dance Records.

PARIS (Eiffel Tower) (France) 1,456 kc/s (206 m.); 20 kW. Transmits at intervals from 8.0 a.m. 6.45—Music Talk. 7.0—News. 7.20—Foreign Affairs. 7.45—Records. 8.0—Home Affairs. 8.30—"Les Trois Filles de Monsieur Dupont" (Brieux) by Members of the Comédie Française.

PARIS (Poste Parisien) (France) 959 kc/s (312.8 m.); 60 kW. 7.10 a.m.—Fanfare; Records. In the interval at 7.30: News; and at 8.29: For Women; News. 8.55—Cookery. 12.0 noon—Exchange. 12.5 p.m.—Winter Circus. 12.25—An Interview. 12.39—Station Orchestra. Rumba (Lara). Song (Stolz). Song and March from "Katinka" (Lajtal)

"Carnival" is the theme of the Frankfurt and other programmes at 7.10 p.m.



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(Morelli). Schottische, La madre amorosa (Martinienghi). Gira e gira, Monferrina. La Furlana (de Vittor). 4.25—Talk: Ticino Carnival.

4.35-5.0—"Ollanty"—Suite for Orchestra and Soloist (Armando). 6.0—Records. 6.15—Weekly Review. 6.30—Record: Tapiola (Sibelius). 6.45—News. 7.0—"Something for Everybody"—Radio Orchestra. Tito Leardi (Tenor). Bergamini (Pfte.). 8.30—

SATURDAY (February 22)

Ho ang Ho (Siede). Viennese Potpourri (Czibulka). Love Birds (Brocket). Poemes Galants (Laty). Ballet Music, "Le Cid" (Massenet). 1.30-Exchange. 2.0-2.30-For Girls. 3.0-To be announced. 3.45-Exchange. 6.15-Exchange. 6.20-Roman Catholic Programme. 6.40-Dialogue. 6.47-Foreign Press Review. 7.2-Sports. 7.10-News. 7.25-Amusement Guide. 7.28-Parlons Français. 7.35-Records. 7.50-Yvonne Printemps Records. 8.15-Dramatic Programme. 8.30-Records: "Au Pays du soleil du Mexique" (Yvain). 9.0-Lewis Dance Band. 10.30-11.30-Records: Light Music.

PARIS (PTT) (France)

695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.30 a.m. 12.0 noon-Talk: The 1937 Exhibition. 12.3 p.m.-Tourist Report. 12.15-Concert from Marseilles. In the interval at 1.15: Exchange; News. 2.0-Talk: The New Naval School. 2.10-Medical Talk. 2.25-Art Talk. 2.30-Concert for Hospitals. 4.0-Book Review. 4.10-Legal Talk. 4.20-Talk on the following Transmission. 4.30-Pasdeloup Concert. Eide Norena (Songs). Concerto grosso (Corelli). Songs: (a) Care Selve (Handel), (b) La violetta (Scarlatti), (c) Aria, "Il Seraglio" (Mozart). Symphony No. 3 in E flat (Haydn). Songs: (a) Oh, quand je dors (Liszt), (b) Clair de lune (Faure), (c) Monte Pincio (Grieg). The Pastoral Symphony (Beethoven). 6.30-News; Topical. 7.30-Weather. 7.38-Composers present their own Unpublished Light Music. 8.0-Literary Talk. 8.10-Talk: The Far East. 8.20-Talk: National Museums. 8.30-Cabaret: (a) Songs, (b) "Araignee du soir" - Revue (Paul Witt). In the interval: Anniversaries; Assurance Society's Reports. 10.30-News. 10.45-Chapelier Dance Band.

PARIS (Radio-Paris) (France)

182 kc/s (1,648 m.); 80 kW. 6.45 a.m.-Gym. 7.0-Records. 7.15-News. 7.45-Gym. 8.0-Military Band Records. 11.0-National Orchestra. Conductor: Vuillemoz. Overture, "Gli Orazi e Curiazii" (Cimarosa). Lied (Cesar Franck). Dance Suite (Pierné). Love Song (Albeniz). Suite (Borodin). Pastels d'Enfants (Brun). Antar (Rimsky-Korsakov). Marche de Fete (Büsser). 12.0 noon-For Farmers. 12.15 p.m.-Time: Orchestra (cont'd). Claire Candes (Songs). Children's Corner (Debussy). Pastoral Suite (Chabrier). Aria from the Suite in D (Bach). Suite breve (Aubert). Songs: (a) Aria, "The Magic Flute" (Mozart), (b) Priere d'un enfant (Faure), (c) Les roses d'Isipahan (Faure), (d) Solveig's Song (Grieg). Overture, "The Barber of Seville" (Rossini). Aria (Ibert). Breton Rhapsody (Saint-Saens). In the interval at 12.45: News; Review in Verse by Bonnaud. 2.0-An Unpublished Story of Henri Pourrat. 2.15-Reading (Farrere). 2.30-French Folk Song Records. 3.0-"Le Tresor des Fèves" - Play for Children (de Teramond). 4.0-Light Music by the Pascal Orchestra. 5.0-Economics. 5.15-Talk: Alfa Grass. 5.30-"Wine" - Concert on Records. 6.0-Art Talks: (a) The Corot Exhibition, (b) Old Paris-The Luxembourg and Saint-Sulpice. 6.30-Opera and Operetta Records. Overture, "Raymond" (Thomas). Aria, "Lakmé" (Delibes). Fete polonaise, "Le roi malgré lui" (Chabrier). Song, "Le Cid" (Massenet). 7.0-"The Seasons" - Records. Le neige danse (Debussy). Le printemps (Hahn). Printemps qui commence (Saint-Saens). Soiree d'ete (Waldeufel). L'automne (Faure). 7.20-Talk: Art in Industry. 7.30-Dialogue between Frederic Lefevre and Leon Robin. 7.45-Talk: Alfred de Musset. 8.0-Marguerite Girard (Songs) and Gabrielle du Mesnil (Recitations). Part I: Songs. Fete foraine (Clergue). Chanson a Lollette (Chaumette). Amertume (Tagson). Aubade (Pierné). Part II: Recitations. Jeunesse (Comtesse de Noailles). Raillerie (Rostand). Diance

(Géraldy). Matin nouveau (Henry-Rosier). Noël du prisonnier (Moussat). Le dernier soir d'amour (Magre). 8.30-Press Review. 8.45-Time; Lalo Festival Concert. Choirs and Orchestra. Conductor: Bigot. Benedetti (Violin), Germaine Cernay and Etcheverry (Songs). Divertissement, "Fiesque" Scherzo. Excerpts, "Namouna." Movement, Norwegian Rhapsody. Violin: (a) Adagio from the Russian Concerto, (b) Scherzando from the Spanish Symphony. Excerpts, "Fiesque."

10.45-Dances of 1900-1910 by the Robert Orchestra. 11.15-12.15 a.m. (Sunday)-Light Music by the Robert Orchestra. Song of the Bees (Filipucci). Les vieilles de chez nous (Levadé). Aimer c'est vivre (Campana). Suite variée (Pierné). Les deux guitares



Respighi, one of whose operas is given at Rome (7.35 p.m.)

(Léoni). Il était nuit (Duprato-Mouton). Olona (Mina). Serenade. La chaise à porteurs (Chaminade). Enchantment (Massenet). Rentrons Mimi (Berniaux).

PRAGUE (Czechoslovakia)

638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.15 a.m. 9.5 a.m.-Press Review (German). 9.10-Water-Level. 9.11-9.15-Record. 9.50-Talk. 10.0-Band. 11.0-Weather. 11.11-Records. 11.25-News. 11.35-See Brno. 12.30 p.m.-Talk. 12.40-Records. 12.50-Exchange. 12.55-1.0-Exchange in German. 2.0-Records. 3.5-3.50-See Brno. 3.50-For Young People. 4.15-Talk. 4.25-Records. 4.30-Talk. 4.35-For Farmers. 4.45-For Workers. 4.55-German Transmission-Variety. 5.45-News in German. 5.55-Records. 6.0-News. 6.15-See Brno. 6.45-Reading: With Alexander Mackenzie across Canada (Richard). 7.0-To be announced. 7.25-Medical Talk. 7.40-See Bratislava. 9.0-Time; News. 9.15-Records. 9.30-10.30-Orchestra.

RADIO-NORMANDIE (France)

1,113 kc/s (269.5 m.); 15 kW. 7.0 a.m.-Records. 7.20-News. 7.48-Racing. 7.53-For Housewives. 8.0-Records. 8.15-Time; Records. 8.30-Dance Music. 8.45-Songs. 9.0-Time; Light Music. 9.45-Records. 10.0-Symphony Orchestra. 11.0-Chansonnettes. 12.0 noon-Military Music. 12.30 p.m.-Concert. Fais semblant de m'aimer (Delannay). Excerpts, "Lilac Time" (Schubert-Berté). Goodbye Hawaii (Robins). Guitare d'amour (Schmidseder). Danse macabre (Saint-Saens). Adieu... Venise provençale (Scott). Ce n'est qu'un souvenir (Eblinger). Au jardin des bêtes sauvages (Vellones). Alleluia du cheminot (Aristide Bruant). Au cinéma (Bach-Laverne). Ave Maria (Gounod). Brillants chasseur. (Courtade). Bonté de gosse (Codini). Femmes que vous êtes jolies (Favart). In the interval at 12.45: News. 3.30-Orchestra 4.0-Tea-Time Hour. 4.45-Children's Corner. 5.0-Time; Light Music. 5.15-Records. 6.0-For Children. 6.45-News. 7.0-Concert. Lo Bourreio (Vaissade). Selection, "Ciboulette" (Hahn). Dans les PTT (Moretti). Avec les pampiers (Himmel). Fascination (Marchetti). Piece (Sarony).

Envoi de fleurs (Delmet). Excerpt, "Casanova" (Vellones). Excerpt, "White Horse Inn" (Stolz-Benatzky). In the interval at 7.45: An Interview; News. 8.15-Records. 8.45-Military Sketches. 9.0-Variety. 11.0-Café Concert. 11.30-News. 11.40-Café Concert. 12.0 m't-Dance Music. 12.30 a.m. (Sunday)-Time; Dance Music. 1.0-2.0-Dance Music.

RADIO-ROMANIA (Brasov) (Romania)

160 kc/s (1,875 m.); 150 kW. See Bucharest.

ROME (Italy)

713 kc/s (420.8 m.); 50 kW. Relayed by Naples, 1,104 kc/s (271.7 m.); Bari (No. 1), 1,059 kc/s (283.3 m.); Bari (No. 2), Milan (No. 2), and Turin (No. 2), 1,357 kc/s (221.1 m.). Transmits at intervals from 6.45 a.m. 12.0 noon-Announcements; Music. 12.10 p.m.-Instrumental Concert. 12.35-Mottarello in search of Authors"-Sequence. 12.50-News. 1.0-Tourist Talk; Exchange. 1.15-2.0-Songs. 3.20-For Workers. 3.35-For Children. 4.0-News; Exchange; Lotteries. 4.15-Orchestra. Conductor: Berni. Overture, "Gli Orazi e Curiazii" (Cimarosa). Selection, "Andréa Chenier" (Giordano). Minuet in D (Boccherini). Moment musical (Schubert). Barcarolle, "Silvano" (Mascagni). Valzer bianco (Mancini). Prayer, "Mosè in Egitto" (Rossini). Overture, "The Barber of Seville" (Rossini). 4.55-Weather. 5.0-Markets. 5.10-Rural Programme. 6.0-Tourist Talk (Esperanto); Radio Amateurs. 6.20-News (English). 6.44-News (French). 7.5-Time; Announcements; Sports. 7.15-News; Lotteries. 7.35-"La campana sommersa" - Opera in Three Acts (Respighi), relayed from the San Carlo Theatre, Naples. Conductor: Capuana. Cast: Adelaide Saraceni, Alessandro Dolci, Nadia Poggioni, Melchiorre Luise, Giulia Gilia and Giuseppe Marchesi. In the intervals: Talk, Announcements. After the Opera, News.

SOTTENS (Switzerland)

677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.). 11.30 a.m.-News. 11.40-Radio Suisse romande Orchestra from Lausanne. Conductor: Haug. Selection, "Show Boat" (Kern). Selection, "Mam'zelle Nitouche" (Hervé). March, "Sissy" (Kreiser). 12.10-1.0 p.m.-Records. 3.29-Time. 3.30-5.0-See Monte Ceneri. 5.0-Lausanne Cathedral Chimes. 5.10-For Children. 6.0-Records. 6.15-Modern French Organ Music. Two Pieces (de la Tombelle). Fantaisie pastorale (Séverac). Piece in E flat minor (d'Indy). Piece solennelle (Ibert). 6.40-Literary. 7.10-Opera and Operetta Music. Radio Suisse romande Orchestra. Conductor: Haug. Selection, "Halka" (Moniuszko). Polonaise, "Eugene Onegin" (Tchaikovsky). Intermezzo, "Háry Janos" (Kodály). Selection, "The Nothing-doing Bar" (Milhaud). Selection, "La vie parisienne (Offenbach). 8.0-News. 8.10-9.30-See Beromünster. 9.30-10.0-Dance Music.

STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW. Relayed by Motala, 216 kc/s (1,389 m.); Göteborg, 941 kc/s (318.8 m.); Hörby, 1,131 kc/s (265.3 m.); and Boden, 392 kc/s (765 m.). Transmits at intervals from 7.20 a.m. 1.0 p.m.-Relay from Gråbo. 1.45-Talk from Falun. 2.15 p.m.-Almqvist Recital by Emma Carlsson and Knut Erman (Songs) and Lundborg (Pfte.). Songs: (a) Den lysnande Maria, (b) Marias häpnad, (c) Hjärtats blomma, Pfte.: En middsmardag på Drottningholm. Songs: (a) Häxan i kung Karls tid, (b) Fiskarsäng vid Kalmar, (c) Min galär. (d) Aurora hovfröken. Duet, Varför kom du på ången. 3.0-For Children. 3.30-Light Music. Sjöbom Orchestra. Overture, Das Nachtlager von Granada (Kreutzer). Waltz Fantasia (Glinka). In the Sunny South (Lampe). Barcarolle (Rust). The Blue Pavilion (Armandola). Selection, "The Duchess of Chicago" (Kálmán). In the interval at 4.0: Weather. 4.30-Reading: Spanish Scenery. 5.0-Records. 6.0-Sketch (Alice Svensk). 6.15-News.

6.30-Old Dance Music by Agren's Band. 7.0-How People amuse themselves. 8.0-Military Band. Conductor: Widner. Suite, The Three Bears (Coates). Selection, "Ball at the Savoy" (Abraham). Waltz, "The Gipsy Princess" (Kálmán). Saxophone and Clarinet: Villanelle (Dell'Acqua). Intermezzo (Lang). Tipperary. 8.45-News. 9.0-10.0-Ender Dance Band.

STRASBOURG (France)

859 kc/s (349.2 m.); 120 kW. Transmits at intervals from 6.45 a.m. 12.0 noon-Records. 12.45 p.m.-News. 1.10-Light Orchestral Music. Conductor: Bour. 2.20-Markets. 2.30-See Paris (PTT). 3.45-Exchange. 4.30-See Paris (PTT). 6.30-To be announced. 6.45-French Lesson. 7.0-Variety. 7.30-Time; News. 7.50-News (German). 8.15-Relay from the Opéra-Comique: (a) "Tosca" (Puccini), (b) "Cavalleria rusticana" (Mascagni). After the Operas: Dance Music.

STUTTGART (Germany)

574 kc/s (522.6 m.); 100 kW. 5.0 a.m.-Hymn; Gym. 5.30-7.0-See Breslau. 7.0-Weather; Gym. 7.30-8.30-See Berlin. 9.15-9.45-Milestones on the German Road-Play (Kantig). 10.30-For Farmers. 11.0-Light Music. Baden Orchestra and Soloists. Conductor: Hollinger. In the interval at 12.0 noon: News. 1.0 p.m.-See Deutschlandsender. 2.0-For Young People. "The Roar of Engines" - Play (Norbert); Call of Youth. 2.40-Baden Folk Songs and Dance Songs. 3.0-See Cologne. 5.0-Weekly Sound News. 5.30-Folk Songs and Folk Dances from Deutschlandsender. 6.0-See Hamburg. 7.0-News. 7.10-Lucky People-Variety Concert. Station Orchestra. 8.10-Dance Music by the Heinz Will Band. 9.0-News. 9.30-See Leipzig. 11.0-1.0 a.m. (Sunday)-See Frankfurt.

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW. 8.15 a.m.-News. 8.20-Cigány Band: Humoresque (Dvořák). 8.30-Symphony Orchestra. 8.45-Songs. 8.55-9.0-News. 11.45-Opera Music. 11.55-Operetta Songs. 12.20 p.m.-News. 12.35-Light Music. 12.50-Markets; Amusements. 1.0-Salon Orchestra. 1.25-Opera Arias. "Tosca" (Puccini). "Romeo and Juliet" (Gounod). "Cavalleria rusticana" (Mascagni), and "La Basoche" (Messager). 1.50-Marches. 1.55-2.0-News. 6.0 p.m.-Exchange. 6.5-Orchestra. 6.15-Film Music. 6.30-Operetta Music. 6.45-News. 6.50-Chansonnettes. 7.5-Viennese Orchestra. 7.30-News. 7.45-Concert. Song, "Katinka" (Lajtai). Duet, "Mam'zelle Nitouche" (Hervé). Song (Erwin). Wine, Woman, and Song (Strauss). 8.15-Orchestra. 8.30-Humorous Sketches. 8.50-Concert Version, "Frasquita" - Operetta (Lehár). 9.35-Opera Music. Overture, "The Thieving Magpie" (Rossini). Gavotte and Minuet, "I Pagliacci" (Leoncavallo). 10.0-Music-Hall. 10.30-News. 10.35-Spanish Songs. 11.0-Light Music. Song, "The Merry Widow" (Lehár). Toreador's Song, "Carmen" (Bizet). Tyrolienne-Java. Little Man you've had a Busy Day (Wayne). 11.25-Argentine Band. 11.30-Operetta Songs. "La tulipe noire" (Richepin), "La pouponnière" (Verdun), "Miss Decima" (Audran) and "The Chocolate Soldier" (Strauss). 11.45-Marches. 12.0 m't-Music-Hall. 12.15 a.m. (Sunday)-News. 12.20-12.30-Orchestra. Radetzky March (Strauss). Terminus (Curti). Gladiators' March (Sousa). Aicha (Menichetti).

TURIN (No. 1) (Italy)

1,140 kc/s (263.2 m.); 7 kW. Relayed by Milan (No. 1), 814 kc/s (368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,222 kc/s (245.5 m.); Florence, 610 kc/s (491.8 m.); Bolzano, 536 kc/s (559.7 m.). Transmits at intervals from 6.45 a.m. 12.0 noon-Announcements; Music. 12.10-12.50 p.m.-See Rome. 12.50-News. 1.0-Tourist Talk; Exchange. 3.20-For Workers. 3.35-For Children. 4.0-News; Lotteries.

4.15-Spezialetti Dance Band from the Savoy. 4.55-Weather. 5.0-For Farmers; Markets. 5.10-For Women. 5.50-Dopolavoro Notes; Records. 6.0-News in Foreign Languages. 7.5-Time; Announcements; Sports. 7.15-News; Lotteries. 7.35-"La vedova scaltra" - Comedy in Three Acts (Goldoni). 8.55-Arrigo Serato (Violin), Sandro Fuga (Pfte.). Sonata in G (Beethoven). Sonata (Fuga). Largo (Veracini). Rondino (Beethoven). Prelude and Allegro (Pugnani). 9.45-Dance Music. 10.0-News (Italian, Spanish).

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Relayed by Graz and Linz, 886 kc/s (338.6 m.); Innsbruck, 519 kc/s (578 m.); Dornbirn, Klagenfurt, and Vorarlberg, 1,294 kc/s (231.8 m.); and Salzburg, 1,348 kc/s (222.6 m.). 6.0 a.m.-Gym. 6.15-Motto; News. 6.25-7.0-Records. 8.10-News. 8.20-Markets. 10.30-For Women. 11.0-Records. 12.0 noon-News. 12.15 p.m.-Records. Overture, "Peter Scholl" (Weber). La Folia (Corelli). Italian Serenade (Wolf). Paraphrase on "Rigoletto" (Verdi-Liszt). Selection, "Schlagobers" (Strauss). Overture, "Angelina" (Rossini). 1.0-Records of Armin Weltner (Baritone). Murrelndes Lüftchen (Jensen). Ich liebe Dich (Grieg). Verlassen, verlassen bin i' (Koschat). Beim Höllestrauch (Kirchner-Römer). Dort unterm Baum (Kunkel-Grünbaum). Die Lindenwirtin (Abt-Baumbach). Warum ist am Rhein so schön (Schaaf). Still wie die Nacht (Bohm). Santa Lucia. 1.30-Announcements. 2.0-Exchange; Markets. 2.15-"Das tapfere Schneiderlein" - Fairy Comedy (Burkner). 4.0-News. 4.5-French Lesson. 4.25-Pramhofer Band from Igls. 5.15-Folk Songs from the Konzerthausaal. 5.40-Winter Sports Report from Innsbruck. 6.0-News. 6.10-"A Giant's Toy" - Report from Mondsee. 6.25-Operettas: (a) "Wien bei Nacht" (Hellmesberger); (b) "Salon Pitzelberger" (Offenbach). Mixed Choir; Radio Section of the Vienna Symphony Orchestra. 8.40-Film Review. 9.0-News. 9.10-Vocal Ensembles. In the interval: Records of Mirzha, the ten-year-old Singer. 9.50-Announcements. 10.5-12.0 m't-Rauscher Jazz Band. Hans Nagel (Songs).

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.); Poznań, 868 kc/s (345.6 m.); Torun, 986 kc/s (304.3 m.); and Wilno, 536 kc/s (559.7 m.). 5.30 a.m.-Hymn. 5.33-Gym. 5.50-Records. In the interval at 6.20: News. 6.50-Announcements. 7.0-11.0-For Schools. 10.57-Time. 11.0-Fanfare; News. 11.15-For Farmers. 11.25-Records. 12.25-12.30 p.m.-For Housewives. 1.30 (from Poznań)-Concert. 2.0-Sketch. 2.15-Shipping. 2.20-Exchange. 2.30-Cecile Izygrym (Contralto) and Kamiński (Violin). Aria, "Orpheus and Eurydice" (Gluck). Song (Paisiello). Movement from the Polish Sonata (Seymour). March and Scottish Dance, "Much Ado about Nothing" (Korngold). Aria, "The Sun" (Kazuro). Two Songs (Szeligowski). 3.0-French Lesson. 3.15 (from Lwów)-For Children. 3.45-Polish Songs. 4.0 (from Torun)-Report from Gdynia. 4.15-Records. 4.45-Talk: Animals. 4.50-Records: Light Music. 5.25 (from Cracow)-Musical Guessing Competition Results. 5.40-Book Review. 5.50-Art Notes. 5.55-Announcements. 6.35-Sports. 6.50-Topical. 7.0-Light Music and Dance Music. Station Orchestra and Soloists. Conductor: Górzynski. 7.45-News. 7.55-Poland To-day. 8.0-For Poles Abroad. 8.30-Chopin Anniversary Concert. Station Symphony Orchestra. Conductor: Frelberg. Lewicki, Szpalsinski and Sztopka (Pftes.). Polonaise in F sharp minor. Mazurkas: (a) C minor, (b) C, (c) C sharp minor, (d) D flat. Pfte. and Orchestra: Krakoviak. Rondo. Polonaise in A. In the interval: Talk in English. 9.15-A Film. 9.30-Dance Records. 10.0-Weather. 10.5-Dance Music - Station Orchestra. Conductor: Górzynski.