MORLD

ERADIO

short-wave number





Gou can get the best out of SHORT WAVES with a

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"HIS MASTER'S VOICE"

ALL=WAVE RECEIVER

"His Master's Voice" engineers at the "H.M.V." Research Laboratories at Hayes, Middlesex, the largest of their kind in the Empire, have devoted many years to the design of all-wave receivers and radiograms. Many owners of amateur consmitters use "His Master's Voice" all-wave receivers, because of their constitution on short waves, for two way working with other amateurs in all parts of the world.

The circuit design of "His Master's Voice" all-wave instruments enables them to receive quite low-powered transmitters in U.S.A., Australia and other distant countries with good regularity and the best possible reproduction. Before you buy an all-wave or short-wave receiver you are advised to compare its performance with an "H.M.V."



149. All-Wave Battery Receiver, 3 valves. 18-50, 195-560, 91 GNS.



486AC/DC. All-Wave Superhet. 4 valves (plus detector) with AVC. 16-50, 198-580, 750-2000 metres. 13½ GNS.



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482AC. All-Wave Superhet. 6 valves (plus detector) with AVC. 16.5-51.5, 200-580, 725-2000 6 GNS.



481AC. All-Wave superhet. 6 valves with AVC. 7-16 (covers Television Sound Transmission), 16.7-53 46-140, 185-560, 750- 1812 GNS.



480AC. All-Wave Superhet. 6 valves with AVC. 16.7-53, 46-140, 185-560, 750-2200 metres. 17½ GNS.



488AC. All-Wave Superhet Radiogram. 6 valves with AVC. 7-16 (covers Television Sound Transmission), 16.7-53, 46-140, 185-560, 750-2200 28 GNS.



485 AC. All-Wave Superhet Autoradiogram. 6 valves with AVC. 7-16 (covers Television Sound Transmission), 16.7-53, 46-142, 185-560, 36 GNS.

Among the refinements incorporated in "His Master's Voice" All-Wave receivers and radiograms are two-speed tuning knobs, vernier scales, enabling the precise position for the reception of each station to be noted, and cathode ray fluid light tuning indicators. Some "H.M.V." models have a short wave range commencing at 7 metres, enabling the television sound transmissions and amateur broadcasts on 10 metres to be heard, under favourable conditions.

BACKED BY 38 YEARS 'SOUND' EXPERIENCE

All Saints' and All Souls' Days

MANY Continental stations are announcing broadcasts of a solemn nature for Sunday and Monday next, All Saints' and All Souls' Day respectively. I observe that on Sunday Verdi's Requiem will be heard from Budapest as well as from Prague, and that Mozart's Requiem is to be transmitted from Vienna on Monday. One of the most interesting broadcasts in this connexion is that announced from Radio-Paris for 8.45 p.m. on Sunday—a French version of Jerome K. Jerome's The Passing of the Third Floor Back. Several studio opera performances announced in the Sunday programmes will, I have no doubt, attract many listeners. Gounod's Faust, Mozart's Don Giovanni, and Zandonai's Conchita will be heard from Sottens, Stuttgart, and Rome respectively. The last, by the way, will be conducted by the composer. I should like to draw listeners' attention to one other series of broadcasts emanating from Vienna. On Monday, Wednesday, and Friday that station is to broadcast recitals of recently-discovered Hugo Wolf songs. Finally, the genial German composer of light music, Paul Lincke, celebrates his seventieth birthday on Saturday next. In honour of the occasion a programme of his music will be transmitted at 7.10 p.m. from the Deutschlandsender

How Many Sets Has Russia?

Russia, I hear, wants to know the exact number of her broadcasting listeners. Proceedings

to that end are being taken by the authorities, who are numbering the receiving sets actually in use all over the territory. The census was started in Moscow recently, and is being continued from province to province. It is hoped that the numerous clandestine receivers



"Proceedings . . . by the authorities"

known to be scattered all over the country will at last be rounded up.

U.S.A. Presidential Election

Listeners in this country should have an excellent opportunity of comparing shortwave with medium-wave reception of America on the night of Tuesday, November 3. greater part of the American nation-and most of the world besides-will be listening to the Presidential Election broadcasts. The major networks will muster their entire facilities to give the public the news-both on the medium and short waves-as fast as the news agencies can gather the returns. The three big Press associations joined forces, a few years ago, to form the "Press-Radio Burcau," which pools their reports, correlates and edits them, and concentrates them into a report specially for microphone use. Broadcasting finances the Bureau, and receives periodic news summaries as well as immediate reports of news of outstanding importance. This year the Bureau

WORLD-RADIQ

VOL. XXIII NO. 588 OCTOBER 30, 1936

will "feed" the election returns by means of special wires direct to the headquarters of both the major broadcasting networks.

An All-Night Hearing?

Each of the broadcasting organisations is making elaborate arrangements for covering the election with commentaries and announcements. The NBC tentative plans include a transmission at 8 a.m. on Election Day direct from the village of New Ashford, Mass. traditionally the first town to complete its count of votes. Messrs. Graham McNamee and John B. Kennedy will be the announcers. Throughout the evening there will be entertainment programmes, which will be inter-rupted as election results and news come in. The CBS has a rather similar scheme, with Messrs. Robert Trout, Westbrook van Voorjies (known to American listeners as "the Voice of Time "), and H. V. Kaltenborn at the microphones. Both organisations, I am informed, will have microphones and announcers at the national headquarters of the Republican and the Democratic parties in Chicago and New York, as well as at the homes of the candidates in Hyde Park and Topeka. They hope to get the party chairman and other political notabilities—and possibly even the presidential candidates themselves—to speak to the vast audience. Both networks will have outsidebroadcast vans. It appears more than likely that the important networks will be "on the air" long after the usual midnight or I a.m. closing-down time (6 a.m. G.M.T. Wednesday) in order to be able to give listeners definite news of the winning candidate.

King Christian's Silver Jubilee

It looks as if the middle of May next year will see some really festal broadcasts. In addition to the special events and public rejoicing in connexion with the Coronation, which will undoubtedly be reflected in our own home and Empire services, and the foreign repercussions of them which will, we trust, follow, Denmark is to have a special celebration. King Christian acceded to the throne of Denmark on May 14, 1912, and will, therefore, celebrate his Silver Jubilee in May next year. Arrangements are, I understand, already being made for a world-wide broadcast in connexion with that happy event.

Kaiserslautern's New Wavelength

The former Bavarian relay station, Kaisers-lautern, which was synchronised with Frank-

furt after the new régime had taken over in Germany, has, I am told, altered its wavelength from the present 251 m. to 209.9 m., and will in future relay the Saarbrücken programme. The wavelength alteration took place in the night of October 25-26. Kaiserslautern's new wavelength is an international common wave.

Big Distances on Ultra-Short Waves

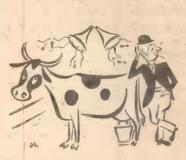
A French amateur, I read, succeeded recently in accomplishing a remarkable performance in the short-wave line. With his ultra-short-wave transmitter, operating on a wavelength of 5 metres, he managed to get into touch with a friend in Corsica, thus establishing a radio-link at a distance of about 140 miles. This performance, remarkable as it is, has, however, been put completely in the shade by the experience of a Johannesburg amateur who, according to the Morning Post, has been regularly picking up the ultra-short-wave television sound transmissions from the Alexandra Palace, as well as the vision sounds. The latter would seem to imply a reception of the pictures if he had had a television receiver. Freak reception, no doubt—but very interesting.

Australian Programme Controller

Dr. Keith Barry, whose appointment to the position of Federal Programme Controller was recently announced by the Australian Broadcasting Commission, contributed articles to World-Radio on music, both while he was in this country two years ago and after his return to Australia. He was formerly Musical Editor of the Australian Wireless Weekly. For some months he has acted in an advisory capacity to the Commission in relation to programmes. His new office will entail responsibility for the general co-ordination of all programmes and programme departments, both Federal and State.

The Cow and the Loudspeaker

It is a very old legend that broadcast music increases cows' milk yield; yet I see that it has been revived—with appropriate trimmings. A Moravian newspaper—which, significantly enough, has since failed—recently printed an article by an agriculturist who maintains that cows are particularly sensitive to music and that the strains of the heavenly muse have a distinct influence on the bovine milk glands, which might be stimulated to the



extent of 25 per cent. above the normal, according to the degree of "brightness" of music tuned in. Not only that: the quality of the fluid is

affected by the type of music. Thus, if dance tunes were replaced by symphony concerts, the quality of milk might reach almost Grade A standard, I gather. But surely jazz music would be more likely to produce butter.

The French Postmaster-General's Plans A Soap-Box Derby in U.S.A.

(From our Paris Correspondent)

On Tuesday, October 20, M. Robert Jardillier, Minister of P.T.T., invited representatives of the Paris Press to a meeting and gave them a full account of his broadcasting plans. The following are some of the points dealt with by

Short Waves

The Noyant site for the new Colonial shortwave station has been definitely abandoned. The station to replace Vincennes will be situated near Paris on the site of the present Radio-Paris transmitter at Essarts-le-Roi and will possess two 100-kW transmitters. This decision will result in an economy of Frs.10,000,000; and its nearness to Paris, the chief supplier of programmes, will facilitate programme compilation. It is hoped to inaugurate this station towards the end of 1937.

Television

In order to discover and adopt the best system of television several constructors will be given the opportunity of making use of their systems at the Eiffel Tower in conjunction with an ultra-short-wave transmitter. arrangement should be in full force in time for the 1937 Paris Exhibition, where television demonstrations will be a feature.

Public Loudspeakers

One hundred public loudspeakers have already been installed in forty different towns in France to broadcast programme items of national interest and artistic programmes of special merit. The number of these public loudspeakers will be greatly increased.

Paris International Exhibition, 1937

As it was considered to be too late to construct a "Broadcasting House" in the grounds of the Paris 1937 Exhibition, and since also a suitable site could not be found there, this plan has been abandoned. The P.T.T. services will therefore build a "Radio Palace" for the Exhibition, from which transmissions will be made. It will include a large studio of 7,000 cubic metres, one of 2,000 cubic metres, and three or four smaller studios for spoken broadcasts. The permanent "Broadcasting House" will in the meantime be the subject of study both in France and abroad, and engineers will go to America for that purpose. The beginning of 1938 should see the broadcasting house completed. Similar broadcasting centres on a smaller scale will be built in some provincial towns.

Specialisation of Stations

The State stations will be divided into five groups, each group giving an entirely distinctive programme, and the stations will be arranged in such a way that any listener in France will be able to hear clearly from at least one station from each group. There will no longer be programmes broadcast by all stations simultaneously, and alternative programmes will thus become an actual fact. Up-to-date transmitting vans will be provided for Paris and provincial stations with short-wave and ultra-short-wave liaison with the transmitting station, and disc recording machines.

Courses for Schools

Three groups of programmes for scholars -primary, secondary, and advanced-will be begun in December and January next. The third will consist of the broadcasting from the

Collège de France and similar institutions of lectures suitable for university undergraduates or students for the professions.

Winter Series of Programmes

The Minister intends to develop international exchange of programmes and to use the microphone still more for the propaganda of French culture abroad. An agreement has been reached with six Parisian symphonic associations, and arrangements are being made with provincial associations also. There will be one broadcast week from the Opéra, from the Comédie Française, and from the Odéon, with two from the Opéra-Comique. Negotiations are also taking place with private theatres. Advantage is being taken of the opportunity afforded by the repairs now being effected at the Opéra House, on account of the recent fire, to instal twelve microphones at the most suitable points.

Progress of New Stations

The new Poste National will be completed towards the end of 1937 and should be heard



M. Jardillier

clearly all over Europe. Building will be begun on the site between Bourges and Vierzon in a few weeks' time, and the directional aerials will be erected early in the new year. Grenoble will be given a power of 100 kW with possibilities of extension to 200 kW Relay if needed. stations will be provided in regions that do not appear to be sufficiently well served,

and the first ones will be erected at Perpignan, Rouen, Brest, and Dijon.

Studios

Improvements are being made in the studio New studios accommodation at all stations. have been completed at Nice; those of Mar-seilles and Dijon are nearly ready. But whenever possible, a broadcasting house is to be erected. Those of Bordeaux and Lyons are completed; Toulouse has bought a building and a site; and the Lille "house" has been in use for some months.

General

Improvements are being made to the official checking stations. The listening control will be completed by a station for tracing private unauthorised transmissions and by a centre of control of transmissions (similar to that at Brussels).

Old cables will be replaced by new ones, and other improvements will be made to all

Listeners at the end of September had passed the three million mark by some thirty thousand.

(Continued from column 3)

with electrical energy. In the larger towns, such as Singapore, Penang, Kuala Lumpur, and Ipoh, a choice can be had between either type of supply.

In the tin mines and rubber plantations of the country, where large numbers of Europeans are employed, the sets used are of necessity battery-operated types.

E. C. J.

(From our New York Correspondent)

WITH its entrants hurtling down a 10-degree straight-away hillside, a soap-box Derby, in which boys from all over the country drove their home-made vehicles, recently provided American listeners with a series of interesting broadcasts.

Begun several seasons ago, the event has gradually assumed, in the American fashion, large proportions: grandstands are provided for the multitudes which gather to watch the final race. This year parking space was provided near the Akron, Ohio, airport (the scene of the event) for 50,000 motor-cars.

Half-a-dozen substantial prizes, put up by an automobile company and by 116 newspapers which sponsor the preliminaries in various cities, stimulate the young contestants to heroic efforts. Like the professional drivers whom they emulate they take risks. Nor can a soap-box race meeting be run without risk to the thousands who like to get as close as possible. In last year's race Mr. Graham McNamee, NBC sports announcer, was among several "innocent bystanders" carried away to hospital when a vicious four-wheeled entry ran amuck. One cause of mishaps-in, addition to the call for speed—is the flimsy construction of some of the vehicles. Lack of funds means improvisations, and even the relatively wealthy entrants are limited by the regulations to a construction cost of ten dollars.

Two special broadcasts were conducted at Akron, by the NBC, on a coast-to-coast hook-up, while in the earlier contest, in San Francisco, an NBC announcer followed the field in an 'official car " of soap-box proportions, and sent out, by means of a short-wave pack transmitter hung about his neck, a close-up description of

the dust-raising midgets.

Broadcasting in F.M.S.

THE question of providing a Government broadcasting service for the inhabitants of the Federated Malay States and the Straits Settlements was recently raised in the meetings of the F.M.S. Legislature, when the Government replied that it was awaiting the report of a committee set up by the Secretary of State for Colonies to go into the question of broadcasting in the British Empire before deciding its policy on broadcasting matters.

At a Council meeting held in August at Kuala Lumpur, the capital city of the Federated Malay States, the Malayan Government decided to abolish entirely the import duty on Britishmade wireless receiving sets and components and to reduce that on foreign makes from 20 per cent. to 10 per cent. ad valorem.

There is a boom in the trade of wireless goods in Malaya at the present time and the number of broadcast receiving licences throughout the country is increasing at a rapid rate. From a couple of hundred set-owners of a few years ago the figure has now exceeded the 4,000 mark and is still rising. It is anticipated that the 5,000 mark will be reached before the end of the vear.

The number of wireless dealers has also increased to a great extent, from a handful three or four years ago to over two hundred and fifty at the present moment.

Quite a large number of British products are now coming into the country, but there is heavy competition by foreign goods, which are mostly of American manufacture.

Mains-driven sets are now becoming popular among dwellers in towns, and A.C. supply has now almost standardised in areas provided

(Continued at foot of column 2)

The Other Man's Point of View

News Bulletins on Short and Other Waves

News Bulletins during the past year or so have become one of the most important features of the programmes transmitted by the world's broadcasting studios. From the reading of a few paragraphs relating to the day's outstanding home and foreign topics the "radio journal" has developed so greatly that, undoubtedly, it may now be considered the main item of the transmissions and the one to which the majority of listeners look forward at the beginning of the broadcasts. In this respect the owner of an average wireless set, capable of receiving signals on the medium and long waves, not only turns to the home stations for his daily news bulletins transmitted through the entire BBC network, but if fairly proficient in foreign languages is given many opportunities of supplementing the service by hearing varying accounts and, in some instances where foreign events are concerned, eye-witness descriptions of the same incidents.

Just as a reader may gather the expressed opinions of newspapers of different political character on events of national or international importance, so the listener, by tuning in the various foreign broadcasts at his disposal, may gather the other man's point of view. With a few exceptions, however, the majority of foreign studios using medium and long wave channels confine the broadcast of news bulletins to a version in their native language. On the other hand, the development of programmes on what are commonly, and erroneously, termed short and ultra-short waves has impelled most countries to give their "radio journal" in languages other than their own, in order that their views and opinions may be heard by the world beyond their frontiers. It is this daily increasing service which offers to the possessor of an "all-wave," or, more truthfully, three or four band, receiver a radio news bulletin of which editions are issued almost hourly throughout the day and night. By this means not only is the lucky listener able to keep himself currently informed of all the world's news, but, in addition, possesses the manifest advantage of being at liberty to listen in his own time; he is not tied to certain fixed hours.

Primarily for my own personal use, I compiled the list now published, as from it I can see at a glance the different news bulletins available from the transmitters indicated at any given hour of the day or night. In this instance, for the sake of clarity the time-tables have been made out separately for each country, but from the data supplied it is an easy matter to establish an hour-by-hour schedule which shows the station and its frequency to be tuned in at any specified time. It has been found exceedingly useful where, as a diversion from foreign or other musical programmes, a "spot of news" is desired.

In addition, when the listener resorts to a late sitting news bulletins from overseas after midnight often contain items only available to him in the usual course through the medium of the next morning's papers at the breakfast table, and on most occasions when such bulletins have been heard at a late hour some items of news of vital interest have been captured.

Over and above the more or less official sources of information such as EAQ, Madrid (from which, by the way, I understand America's star radio reporter, Floyd Gibbons, is broadcasting a nightly review of Spanish happenings for the benefit of his audience in the United States), it is possible to pick up transmissions on other channels. As an example, it may be pointed out that during the present Spanish

conflict the warring parties are using a number of frequencies in and around the amateur band for the purpose of inter-communication between cities and districts and for the transmission of news bulletins in the Spanish, French, Italian, and English languages. at G.M.T. 19.30 you may tune to EA1AZ, Corunna, now working on about 42.20 m. (7,111 kc/s) which seems to be relayed simultaneously by two other smaller and weaker stations on approximately 42 m. (7,142 kc/s) and 42.80 m. (7,010 kc/s) and of which I have not yet succeeded in securing the call-sign. Try also for EDR3, El Tablero (Canary Isles), a 5-kilowatter working on 28.93 m. (10,370 kc/s), which, according to an announcement, takes its News Bulletin from the Radio Club of Tenerife. At present, the time-table is as follows: G.M.T. present, the time-table is as follows: G.W. 1.
19.30, war news in Italian, 20.00, in German,
20.20, in Spanish and English; and at 20.30 in
French. On 43.04 m. (6,970 kc/s) for some time
daily at G.M.T. 21.15 I have heard broadcasts
from Radio Tetuan (Spanish Morocco), presumably EA9AH, which has also given the insurgents' version of the hostilities. In addition to these transmissions, a search of the 40 metre amateur band has revealed a number of broadcasts, mostly in Spanish, dealing with the Civil war. Here are a few of the smaller stations which have been identified: EA4JR and EA4CN Madrid; EA2BK, Vittoria; EA3DV, Sabadell (Barcelona); EAJ10, Radio Labor, Saragossa; EA5ZB, Valencia; EAJ2DH, Jaca; EA7PE, Granada; EA1BT, Sarria, Lugo; EA2EJ, San Sebastian; EA1DS, Torre Lavega; and EA3FE, Lugos—all, it would appear, amateur transmitting stations which have been voluntarily, or involuntarily, placed at the disposal of one or the other of the combatant forces.

Finally, on 41.50 m. (7,228.9 kc/s) you should hear on most evenings a series of multi-lingual calls such as: Ici ECN1, Radio CNT or FAI, Barcelona. Between G.M.T. 21.00-21.30 on Tuesdays, Thursdays, and Saturdays transmissions are carried out in the French language; in Italian on Mondays between 21.30-22.00 and on Saturdays between 17.30-18.00. In German news bulletins are given on Mondays and Wednesdays from 17.00-18.00, and on Thursdays and Fridays from 21.00-22.00. In each case the call is given in Spanish, followed by a translation—although the call-sign appears to differ—in the language of the listener to whom the transmission is dedicated.

If the latest news bulletins direct from the scene of operations are of interest to you, turn to your wireless receiver every evening; by tapping the short-wave Continental stations you can secure everybody's point of view.

J. G. A.

SHORT-WAVE TRANSMISSIONS OF NEWS BULLETINS

ZEESEN (Germany)	06.00 DJA DJB (Germ.)	07.00 DJA DJB (Eng.)	09.30 DJA DJB (Germ.)	DJE DJB DJQ (Eng.)	13.00 DJE DJB DJQ (Germ.)	14.00 DJE DJQ (Eng). DJA DJB (Dutch)	DJD DJL DJC (Germ.)	19.00 DJD DJL DJC (Eng.).
	21.00 DJD DJL DJC (Germ. Eng.)		00,15 DJA DJR (Span.) DJN alt. nights Port. & Spa	01.15 DJD DJC (Eng.)	02.00 DJA DJC DJD DJR DJN (Germ.)	DJD DJC (Spar	DJA DJN DJN DJR (Span.)	
RADIO-COLONIAL (France)	06.00 TPA2 TPA3 (Fr.)	09.15 TPA2 TPA3 (Fr.)	09.45 TPA2 TPA3 (Eng.)	12.00 TPA2 (Eng.)	12.45 TPA2 (Fr.)	17.15 TPA3 (Fr.).	TPA3	
	22.40 TPA3 (Port.)	24.15 TPA4 (Fr.)	01.00 TPA4 (Eng.)	03.45 TPA4 (Fr.)	04.20 TPA4 (Eng., Fr.)	04.30 TPA4 (Span	05.45 TPA4	
PRAGUE (Czechoslovakia)	21.25 OI	LR 19.68 (Er	9 m. (15,2 ng.).	30 kc/s)	02.00-0 ₄ 31.57		R 19.689 04 kc/s) (Eng	
ROME (Italy)	15,00 12RO (a) (Eng.)	16.30 12RO (a (Ital.)	17.15 a) 12RO (a (Sun. Eng.)		18.00 a) 12RO (a (Germ.)		22.59 (a) 12RO (a, b), (Eng., Ital.)	

BELGRADE (Yugoslavia) 21.15 (49.18 m.) (Fr.); 21.30 (49.18 m.) (Eng.) (6100 kc/s)

RUYSSELEDE (Belgium) 19.30 ORK (Flem., Fr.)

REYJAVIK (Iceland) 18.40 (24.52 m.) (12,235 kc/s) (Sun. only, Eng., Icelandic)

MADRID (Spain) 22.15 EAQ (Eng.)

MOSCOW (U.S.S.R.) 21.05 RNE (a) (Eng.); 00.00 RAN (b) (Eng. and Germ.)

RIO DE JANEIRO (Brazil) 23.00 PRF5 (Eng.)

PITTSBURGH (U.S.A.) 15.00 W8XK (a); 17.00 W8XK (a); 23.00 W8XK (a); 04.00 W8XK (c)

SCHENECTADY (U.S.A.) 16.00 W2XAD (Sun., Eng.); 23.30 W2XAF (Eng.); 00.50 W2XAF (Span.); 03.00 W2XAF (Eng.)

BOSTON (U.S.A.) 23.00 WIXAL (a) (Eng.)

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All times given in G.M.T. Transmissions indicated are made daily except where otherwise stated. Wavelengths and frequencies will be found in list at head of Short-Wave Programmes in this issue.

Letters to the Editor

THE TRANSATLANTIC STATIONS

SIR,—May I be allowed to make one or two comments on Mr. J. Powe's letter? I have deduced from my log-books (which date back several years) that reception of American transmitters depends mainly on barometric pressure over the Atlantic.

When there is an anti-cyclone situated over the Atlantic reception is very often good, but if there is a depression there it is invariably bad. I do not think it matters how weather conditions are in England-with the exception, of course, of thunderstorms.

There must be something wrong also with Mr. Powe's theory of moonlight affecting conditions, because American stations are often received in broad daylight after dawn as loud as before it. Besides, I do not believe moonlight could alter the properties of the Heavyside Layer in the darkness.

With regard to the power of CRCK, surely this is not so very low. I myself have often received American stations with powers of less. than 500 watts at more than R5 signal strength.

Yours faithfully, G. W. BARRON.

Whetstone, N. 20, October 23.

SIR,—I find reception of most short-wave stations to be almost 100 per cent. intelligible when the new moon appears on a clear, frosty

I should like to point out something which might be of use to some other short-wave enthusiast. First of all, disconnect the aerial of the short-wave set at the lead-in end, then attach a piece of rubber-covered wire under the set and fix it to the lead-in, leaving the other end free. After doing this I find reception of distant stations to be perfect.

Yours faithfully,

Forfar, Angus. JAMES PATON.

SIR,—I must thank Mr. J. Powe for his kindly interest in my letter. The reason why I used the phrase "in the springtime, with frosty weather and full moon" was because of remarkable reception from America and Canada which I enjoyed on two or three occasions last spring when these conditions prevailed. However, in view of my experience this autumn so far I readily fall in with Mr. Powe's contention that these are not the ideal conditions.

Regarding transatlantic reception on the medium-wave band, I think a high-powered set is the first essential. There are a few stations, such as WCAU, WBT, WTIC, WBZ, and WOR, which can be heard periodically with four valves, but for a general hook-up over the coast-to-coast network of the NBC or the CBS anything from six valves upwards is the ideal. If one is on the mains the difference in cost between running a four-valve set and a sevenvalve set is not worth troubling about. My set is a seven-valve model now two years in use. I have had the set cleaned for the present season," but the aerial has never been touched! Yours faithfully,

JOHN P. WALSH.

Belfast, October 24.

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.

SUBSCRIPTION RATES 12 months Inland and Canadian, 13s. 12 months (Foreign), 15s.

Other periods pro rata. Prices include postage. Subscriptions to Publications Dept., Broadcasting House, London, W.1, or 8-11, Southampton St., London, W.C.2

Which station was that?

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."

Free Queries

top corner "Postal Query Service"), and coupon as per conditions for "Free Queries."

Free Queries

Each query should be numbered and the question on the coupon carefully answered. Letters must be addressed to the Editor, World-Radio, Broadcasting House, London, W. I.

IGNORAMUS (Dagenham): Either WGY, Schencetady (N.Y.) on 379.5 m., or LR10, Radio-Cultura, Buenos Aires (379.7 m.); morelikely to be the former. UNKNOWN (N. 16).

PMN, Bandoeng (Java), on 10,266 b(s/s): local Javanese programme every Wednesday. W. H. C. (Perthshire): Yes. VUB, Bombay (31.6 m.). BANDSPREAD (Magheraleth): CRCX, Bowmanville (Canada), on 49.26 m., relaying CRC programme. ALL-WAYE SIX (Liverpool): HIN, Trujillo (Ity (D.R.), on 26.56 m., the word heard was "Dominicana." BANTAM COCK (Holborn): (1a) we can trace the following ships: British: GCDQ, Dagenham; GCDS, S. Rognadi; GDZQ, Lombardy; GFQR, Westcove: GMRT, Rodneystar; GRRD, Fasshet; GNLR, Ashby; GYRS, Standella; French: FNBE, Basse-Tevre; ROQC, Charlet E. D.; Halian: HBLC, Ardor; U.S.A. KDLM, Wacosta: (KECS, Dagesense: Norwegian: LCTG, FCVR, Editors) (Control of the Colony of

IDENTIFICATION COUPON 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.

Approximate frequency in kilocycles per sec. (or wavelength in metres).

Nearest known stations, above and below. Call, or interval signal, if heard.

Language.

Type of receiver in use and strength of signals Details of programme or signal received. Name and address.

Nom de plume. (Proprietary names must not be used.)

NSL, San Salvador (14,985 kc/s); ZPZ, Asuncion (Paraguay); 8,705 kc/s; WOY, Lawrenceville (N.J.), 17,120 kc/s; WHL, lickswille (N.Y.), 10,756 kc/s. WG (Dun Laoghaire); Surely VUC, Calcutta (49.1 m.). LUXEMBOURGIAN (Banstead); Surely VUC, Calcutta (49.1 m.). LUXEMBOURGIAN (Banstead); (33) regret, cannot trace; (34) a background of Motala is reported on this channel. ORIENTAL (Welling); Yes, Cairo working on ame channel can often be heard in the intervals of the Brussels broadcast. SCOUT (Guernsey): (1a) HSG2, Bangkok (Siam), IkW, working on 15,530 kc/s; the call heard may have been HS8PJ, which is that reserved for broadcasts; (2a) DZB, Zeesen HS8PJ, which is that reserved for broadcasts; (2a) DZB, Zeesen HS8PJ, which is that reserved for broadcasts; (2a) DZB, Zeesen HS8PJ, which is that reserved for broadcasts; (2a) DZB, Zeesen HS8PJ, which is that reserved for broadcasts; (2a) DZB, Zeesen HS8PJ, which is that reserved for broadcasts; (2a) DZB, Zeesen HS8PJ, which is that reserved for broadcasts; (2a) DZB, Zeesen HS8PJ, which is that reserved for broadcasts; (2a) DZB, Zeesen HS8PJ, which is that reserved for broadcasts; (2a) DZB, Zeesen HS8PJ, which is that reserved for broadcasts; (2a) DZB, Zeesen HS8PJ, which is that reserved for broadcasts; (2a) DZB, Zeesen HS8PJ, which is that reserved for broadcasts; (2a) DZB, Zeesen HSPJ, Zeesen

AMATEUR TRANSMITTERS

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

WAVELENGTH DEVIATIONS

Esperanto Transmissions

Lsperanfo Iransmissions

Sunday—Lille, 9.15 a.m. Esperanta Duonhoro. Leningrad (1,293 m.) 19.20 p.m. Parolado. Hilversum (1,875 m.) 10.40 p.m. Eklezia Prelego. Monday—Barcelona (41.72 m.) 5 p.m. Informoj pri la Hispana Civilmilto. Sottens, 5.30 p.m. Elementa Kurso. Radio-Lyons (215 m.) 6.30 p.m. G. Pouchet: Kurso. Radio-Normandie, 9.00 p.m. Esperanta Novajo. Tuesday—Moravská-Nostrava, 5.00 p.m. Parolado. Tallinn, 7.00 p.m. Informoj pri Estonio. Rio de Janeiro (35.58 m.) 10.30 p.m. Oficialaj kaj Ekonomiaj Informoj, ankaŭ Esperantaj. Wednesday—Paris (431 m.) 2.00 p.m. Kurso. Barcelona, 9.0 p.m.—See Monday. Prague and relays, 9.15 p.m. Opero: La Vendita Fiancino. Leningrad (1,293 m.) 9.50 p.m. Prelego pri Rusujo. Thursday—Kaunas, 8.45 p.m. Informoj pri Litovujo. Barcelona, 9.00 p.m. Koem Monday. Friday—Leningrad (1,293 m.) 9.50 p.m. Kronikoj pri U.S.S.R. Saturday—Rome (medium and short-wave) 6.05 p.m. Programo pri Turismo.

A Recruit to the Ether

I RECENTLY witnessed an interesting ceremony: the inauguration of the latest, and perhaps the smallest, regular broadcasting station in the world. Radio Barcelona ECP1, broadcasting on a wavelength of 42 metres, belongs to the Workers' Party of Marxist Unity, the I.L.P. of Spain, and is the latest recruit to the war of rival ideologies which is convulsing the Spanish and the European ether to-day. The Anarchist and Communist Parties were first in the field with transmitters, and now the Workers' Party completes a lively trio.

It was a near thing whether the ceremony was going to take place or not. The Mañana principle-i.e., always put off till to-morrow what you ought to do to-day-is still strong in Spain, although the civil war is gradually undermining its influence. To-day, however, won, and a bunch of us found ourselves in one of the fast cars requisitioned by the working-class parties in the stormy days of last July. We drove away from the wide Ramblas, the boulevards of central Barcelona, where everyone promenades in the evening. There a great funeral procession was gathering in honour of the fallen on the Aragon front beneath the red flags of the Marxists, the red and black of the Anarchists, and the red and yellow of the Catalan nationalists.

At length, after a hair-raising journey at breakneck speed, we reached the temporary broadcasting station, situated in a private house in the outer suburbs high above the city. About a dozen of us, a polyglot collection of both sexes, gathered together in the tiny room, ten feet square, in which the transmitter, of modern type, with an input of 70 watts, is placed. Enthusiasm overcomes all obstacles. The engineer acted as announcer, and while whispered consultations took place and broadcasters sat

outside on the stairs, hurriedly writing their material, the first announcements were made in Spanish and Catalan. Then followed manifestoes in English (by an Englishwoman who is a member of the Militia), French, German, Italian, Dutch, and Russian. This last is of some interest, as the Workers' Party is in sharp disagreement with Moscow, and is taking the opportunity of doing a little propaganda on its own account. Most of the other material for the broadcast (news from the fronts and a talk on the agricultural problem) came from the columns of La Batalla (The Battle), the daily paper of the Party. J. W.

Book Notices

WE have received from Whitfield, King and Co., of Ipswich, their Standard Catalogue of Postage Stamps of the World (36th Edition, 5s.). Those collectors who read the article "Wireless and Postage Stamps" which appeared in last week's issue of World-Radio may find it of interest to search the catalogue for stamps designs of which have some connexion with wireless but which were not mentioned specifically or by implica-tion in that article. The growing number of air-mail issues which are in the main indirectly concerned with wireless form an almost inexhaustible supply. We are told in the Preface that the total number of stamps issued to date, as included in this catalogue, is 62,155. fact that 1,380 stamps have been added to it since the previous edition indicates the extremely wide field open to the general collector.

Forty-five Million Friends, by E. J. Smith (Cosmopolitan Press), is the title of "a short manual on sales organisation and advertising," on both of which subjects the author writes with knowledge. The book contains a foreword by Sir Francis Goodenough—an undoubted authority.



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ELEVIS

For two hours every day, except Sunday, programmes will be transmitted from Alexandra Palace. The frequencies used will be—Vision: 45 Mc/s; Sound: 41.5 Mc/s. THIS WEEK THE BAIRD SYSTEM WILL BE USED.

At the close of each afternoon programme a chart arranged in co-operation with the Air Ministry will forecast the weather.

MONDAY, November 2

3.0 p.m.—Opening of the BBC High Definition Television Service by Major the Right Hon. G. C. Tryon, M.P., Postmaster-General, including Speeches by the Right Hon. the Lord Selsdon, K.B.E., Chairman of the

Selsdon, K.B.E., Chairman of the Television Advisory Committee, and Mr. R. C. Norman, Chairman of the BBC.
3.15—Interval, Time, Weather.
3.20—British Movietone News.
3.30—Variety: The Lai Founds, Chinese Jugglers; Adèle Dixon, Singer; Buck and Bubbles (Comedians and Dancers). The BBC Television Orchestra (Leader, Boris Pecker; Conductor, Hyam Greenbaum). Produced by Dallas Bower.
4.0—Close. 4.0-Close.

4.0—Close.

9.0—Programme Summary.

9.5—The BBC Documentary Film:

"Television Comes to London."

9.20—Picture Page: a Topical and Interest Magazine of Novelties.

Devised and Edited by Cecil Madden, produced by G. More O'Ferrall. Stage Manager: Peter Bax. The Switchboard Girl: Joan Miller.

9.50—British Movietone News.

10.0—Close.

10.0—Close.

TUESDAY, November 3

3.0 p.m.—Programme Summary.
3.5—Illustrated Talk — Alsatians. Champion Alsatians from the Metropolitan and Essex Canine Society, with commentary by A. Croxton

Smith, O.B.E.
3.15—British Movietone News.
3.25—"The Golden Hind." A model of Drake's famous ship made by L. A. Stock, a Bus Driver, who will describe its construction.

3.40—Interval, Time, Weather.
3.45—Starlight—Bébé Daniels and Ben
Lyon, the Hollywood Film Stars, in their speciality, including songs from "Rio Rita."

4.0—Close

9.0—Programme Summary.

9.0—Programme Summary.
9.5—Alsatians (see 3.5).
9.15—British Movietone News.
9.25—"The Golden Hind" (see 3.25).
9.40—Interval, Time, Weather.
9.45—Starlight. Manuela Del Rio in Spanish Dances, accompanied by Pianoforte and Guitar.

WEDNESDAY, November 4

3.0 p.m.—Programme Summary.
3.5—Martin Taubman with his Electronde—a demonstration of its Music and Effects.

and Effects.
3.20—British Movietone News.
3.30—Interval, Time, Weather.
3.35—The BBC Dance Orchestra, directed by Henry Hall, with Molly, Marie, and Mary (The Three Sisters), Dan Donovan and George Elrick.

4.0-Close.

9.0—Programme Summary.
9.5—British Movietone News.
9.15—Tempo and Taps: Rosalind Wade in a demonstration of Tap

Dancing. 9.35—Interval, Time, Weather. 9.40—Martin Taubman (see 3.5). 10.0-Close

THURSDAY, November 5

3.0 p.m.—Programme Summary.

3.5—British Movietone News.
3.15—Interval, Time, Weather.
3.20—The Mercury Ballet. Marie
Rambert's Company in Pavane and Rambert's Company in Pavane and Tordion from Capriol Suite (Warlock). Choreography by Frederick Ashton). Solo from Swan Lake and Sugar Plum Fairy (Tchaikovsky). Shepherd's Wooing (Handel, arr. Beecham). Solo from Foyer de Danse (Berners). Columbine (Tchaikovsky). La Golfeuse and Pompette (Hugh Bradford). Pas de Trois from Alcina (Handel) with Maude Lloyd, Walter Gore Andrée Howard Frank Walter Gore, Andrée Howard, Frank Staff, Hugh Laing. The BBC Television Orchestra. Leader, Boris Pecker. Conductor, Hyam Green-

baum.
3.45—BBC Documentary Film, "Television Comes to London."

vision Comes to London.

4.0—Close.

9.0—Programme Summary.

9.5—British Movietone News.

9.15—Autumn Glory. Prize Chrysanthemums from the National Chrysanthemum Society's Show. Described by W. Wardman and E. F. Hawes.

9.30—Interval, Time, Weather.

9.35—The Mercury Ballet (see 3.20).

FRIDAY, November 6
3.0—Programme Summary.
3.5—Silver Fox Breeding. Four Foxes will be exhibited by a representative

of the Silver Fox Breeders' Association of Great Britain and Northern Ireland.

Ireland.
3.20—British Movietone News.
3.30—Interval, Time, Weather.
3.35—From the London Theatre:
Sophie Stewart (By permission of London Film Productions, Ltd.) in scenes from The Royalty Theatre production, "Marigold," a Scottish Comedy, by L. Allen Harker and F. R. Pryor. Jean Clyde, Walter Roy, John Bailey, Brenda Harvey, Violet Moffat. Presentation by G. More O'Ferrall. Presentation by G. More O'Ferrall.

9.5—British Movietone News.
9.15—Boxing: A Demonstration of Training by Members of the Alexandra Amateur Boxing Club.

9.35—Interval, Time, Weather.
9.40—" Television Comes to London"
—A BBC Film.

10.0-Close.

SATURDAY, November 7

3.0 p.m.—Programme Summary.

3.5—The Zoo To-day. Some animals with their keepers. Introduced by David Seth-Smith.

3.20-British Movietone News.

3.20—British Movietone News.
3.30—Interval, Time, Weather.
3.35—Cabaret: Mabel Scott (Singer of Modern Songs), Horace Kenney (Comedian), Molly Picon in songs and impressions. The BBC Television Orchestra. Conductor, Hyam Greenbaum baum.

9.0—Programme Summary.
9.5—The Autumn Galleries. Pictures and Sculpture from Forthcoming Exhibitions. Described by John Piper. 9.20—British Movietone News.

9.30—Interval, Time, Weather. 9.35—Cabaret (see 3.35). 10.0—Close.



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Interruptions in Short-Wave Communication

By Professor E. V. APPLETON, F.R.S.

THERE was plenty of evidence at the recent wireless exhibition that the British radio manufacturer is seeking to convert us all to short-wave listening. As I think there is no doubt that he will be successful, it follows that, as time goes on, more and more members of the listening public will acquire a detailed acquaintance with a very fascinating subject. The subject is attractive because of the variety and complexity of the reception conditions which are encountered. In the early days it seemed wellnigh hopeless to attempt to give any systematic description of the way in which received longdistance signals varied with time and with wavelength. But the important extension of the use of short waves to the commercial services has led to the collection of a yast amount of information, and now we are gradually getting much clearer ideas concerning the way in which signals vary with the hour of the day and with the season of the year.

Wireless "Fade-Outs"

During the last eighteen months there has been carried out a very careful investigation of a subject which is of the greatest importance in short-wave listening. I refer to those general interruptions of short-wave communication which are known as "fade-outs." In the case of broadcast reception from a local station on the long and medium waves, we all know that a complete cessation of loudspeaker response is either due to a technical hitch at the sending station or to some fault in our own receiver. Whether it is one or the other is usually ascertained by trying another receiver or asking one's neighbour about his reception. But the striking thing about a short-wave "fade-out" is the large extent of its influence, for it is found that listeners scattered over a whole continent will usually give exactly the same account of the cessation of signals and of the gradual recovery to normality after a period which is measured in minutes.

The subject of these short-wave interruptions was first drawn to the attention of the general public by Dr. J. H. Dellinger, a well-known American radio investigator, who is the head of the wireless section of the Bureau of Standards at Washington. He stated that his own attention to the subject had been first attracted by a communication from a correspondent in France who reported that on May 12, 1935, all high-frequency circuits of which he had information had suffered a temporary interruption. Beginning at 11.57 G.M.T., signals had dis-

appeared completely in three minutes. After a further period of a few minutes signals got gradually stronger and resumed normal intensity at 12.15 G.M.T.

at 12.15 G.M.T.

In his original communication on the subject, Dr. Dellinger pointed out that this particular "fade-out" appears to be one of a series of four, of very similar character, which had occurred on March 20 (01.50 to 02.05 G.M.T.), May 12 (11.57 to 12.15 G.M.T.), July 6 (14.09 to 14.25 G.M.T.), and August 30 (23.20 to 23.35 G.M.T.), 1935. There further appeared to be a most remarkable characteristic about the incidence of the "fade-outs," for it was noted that only those wireless circuits on the illuminated part of the earth were affected. Dr. Dellinger further pointed out that the above dates were approximately equally spaced in time, there being three intervals of 53, 55, and 55 days respectively. He therefore stated that we were here dealing with a phenomenon which recurs after a time equal to twice that required for the sun to revolve.

During the latter half of last year there was a careful watch kept to see if any further "fadeouts" occurred which appeared to belong to this series. The period in question was October 21 to 25, but although the ionisation in Region F₂ of the ionosphere was abnormally low on October 24, 1935 (which was 55 days after the August "fade-out") it cannot be said that the phenomena of the previous occasion were repeated. During 1936 further "fade-outs" have occurred, one on February 14, and another, of a very general character, on April 8. It may be noted that these days are separated by a period of 54 days.

Solar Eruptions

The "fade-out" on April 8 is of very special interest because of the other solar and terrestrial phenomena which were noted at exactly the same time. Nowadays, most solar physics observatories are making studies of the sun's disc, using what is called a spectrohelioscope. This instrument permits an examination, visual or photographic, to be made for solar light of a single wavelength. Usually the wavelength known as Ha of Hydrogen, which is in the red end of the spectrum, is used.

Using the spectrohelioscope, it has been possible to study what the solar physicist calls bright eruptions on the sun's surface. These bright eruptions appear to consist of brilliantly glowing masses of vapour localised in the chromosphere and situated close to sunspots. They are

known to increase suddenly in luminosity and then fade gradually in a period which may vary from several minutes to a few hours.

Now the interesting feature of the April 8 "fade-out" is that, according to Dr. R. S. Richardson, of the Mount Wilson Observatory in America, it occurred at almost exactly the same time as the beginning of a bright eruption on the sun. He reports that he had been unable to make any special observations on the sun's markings during the period of



Dr. R. S. Richardson, of Mt. Wilson Observatory

the February "fade-out," because of the continuously cloudy weather from February 10 to 19, 1936, and so planned to make an intensive study of conditions round the period April 6 to 10, which was fifty-four days later.

On April 8, as a result of a series of photographic examinations of the sun's disc, using the spectrohelioscope, he found that a bright eruption occurred on the sun, beginning about 16.45 (G.M.T.), reaching maximum brightness at 16.52 (G.M.T.) and then decreasing in intensity until about 18.30 (G.M.T.), when the appearance of the group of spots with which the eruption was associated appeared to be normal A very similar description of the same eruption has been published by Messrs. Torreson, Scott, and Stanton, of the Huancayo Observatory, in Peru, activity being first noticed at 16.45 (G.M.T.).

The nature of the radio "fade-out" can best be summarised by Dr. Dellinger's statement, which reads — Another striking and wide-spread fade-out of high-frequency radio signals occurred on April 8, starting at 16.46 (G.M.T.) and lasting from fifteen to thirty minutes at various radio frequencies. This was observed in England as well as here. A further interesting feature of the notable events of April 8 is that there was a sudden disturbance in the magnetic elements beginning at 16.45 (G.M.T.), which is exactly the time of the incidence of the "fade-out."

As a result of the remarkable observations set out above, it does appear that we may have to extend our ideas concerning the nature and origin of the solar influences on radio transmission phenomena. It has, of course, been known for some time that short-wave reception is often poor when magnetic storms are in progress. But it has usually been supposed that a magnetic storm is due to the injection into the upper atmosphere of charged particles from the sun, and also that these charged particles take from twenty-four to twenty-six hours to travel from the sun to the earth. The reason for the latter conclusion is that magnetic storms have been frequently noted to occur about twentyfive hours after some solar event such as the passage of a sunspot over the sun's central meridian.

The events of April 8, however, suggest that conditions in the ionosphere were disturbed at

(Continued in col. 2, page 11)



Dr. J. H. Dellinger, of the Bureau of Standards, Washington

Anti-Interference Aerials

By R. W. HALLOWS

To wireless listeners in general, and to short-wave enthusiasts in particular, man-made interference is a great nuisance nowadays. If your reception is confined to the medium and the long waves you may have little or no cause for complaint should you be fortunate enough to live in a locality where electrical machinery and domestic appliances of types that radiate interference are not in use. But the short-wave istener is seldom completely free from it, for the ignition systems of so many motor vehicles send out trains of waves which give rise to very loud, unwanted noises when the set is tuned to a wavelength below 100 metres.

Since so many homes stand in streets or on roads along which there is a more or less dense stream of motor traffic, this kind of interference has become a serious problem. There is little fun in using a short-wave set or in switching an "all-wave" receiver over to its short-wave range if one's reception is interrupted by ear-splitting rat-tat-tat-tats every time a car, motor-cycle, or lorry goes past. Not all motorignition systems do radiate, by the way, and of those that do some are much worse offenders than others.

Zone of Interference

Investigation has shown that what is known as the "field" of car-ignition interference and of certain other kinds of man-made static is of The field may be described as a peculiar shape. the zone within which it can be a nuisance. You might expect that the waves which cause the trouble would be radiated with equal strength in all directions-upwards as well as outwards. But this is not so. Many kinds of interférence have a comparatively long range horizontally, though the impulses responsible do not rise very high above the source from which they Thus, you may hear the rattling sound caused by radiation from an ignition system some little time before the vehicle reaches your house. Faint at first, it increases in loudness as the car approaches, reaches its maximum whilst it is actually passing, and then wanes as it recedes into the distance.

If, though, you were to conduct your reception on a church tower or at the top of a high building, car after car would pass without there being any response from the set. So long as the whole of your aerial and its down-lead were some 25ft. above the source of the interference they would be outside the field and would pick up nothing.

Now consider what happens when either an "inverted-L" aerial (Fig. 1 (a)) or a "T-aerial" (Fig. 1 (b)) of ordinary type are used. In both instances the horizontal portion, or "roof," may be high enough to be outside the field of interference. The roof, therefore, picks up only the wanted signals and is not affected by the interference.

But what of the down-lead? It goes right down through the interference field, forming a vertical or semi-vertical aerial, and collects the interfering impulses. They thus become mixed with what the roof of the aerial is bringing in and cause the receiving set to emit unpleasant noises. If only we could find some kind of lead-in that did not act as a collector, we could get rid of a great deal of interference by suspending the roof high enough.

That, exactly, is the principle of the antiinterference aerial, of which many kinds are now available. You might think that the simplest solution would be to use a screened down-lead of ordinary metal-sleeved wire with the sleeving earthed. That wouldn't quite do, for unless it is very short, the capacity to earth of such a lead is so high that it is very inefficient on the long and medium waves and altogether hopeless on

the short.

Transmission Line

The solution is to do away with the usual type of down-lead and to use instead what is known as a transmission line. This may be a metal-screened cable so designed and made that the capacity is reasonably low; or it may be a length of stout, unscreened double flex, twisted so that interference impulses in the two leads tend to cancel out. But neither screened cable nor special flex would be effective were they connected directly between the roof of the aerial and the terminals of the receiving set.

An examination of Fig. 2 shows that two transformers are used in the anti-interference aerial system. One of these is in the roof of the aerial, the other near the receiving set, or actually built into it. The transmission line is connected between them. We shall see presently what is the purpose of the transformers, but to understand how the system works we must first of all spend a moment or two in thinking about the electrical property known as impedance. Impedance is to oscillating currents very much what resistance is to direct currents.

Impedance Matching

If current from a battery is passed through leads of low resistance it does not have to force its way through by working hard, and the voltage drop is small. On the other hand, when a high resistance is introduced, work must be done and a considerable fall in voltage takes place across the resistance. So with impedance. Both the aerial system and the tuned circuits of the receiving set are high-impedance circuits. Oscillating currents do work in them, setting up the voltage variations which are applied to the grids of the valves. The plain down-lead is also of the high-impedance variety: hence its proneness to pick up unwanted radiations.

A step-up or step-down transformer may be

regarded as an electrical gearbox, which matches the work done to the opposition encountered. When you-are driving a car up a steep hill you change down to match the engine's work with the "impedance" that has to be overcome. passing the crest On you perform a further matching operation by changing up again. That is very much what happens in the antiinterference aerial. roof offers high

impedance to oscillations, but that of the transmission line is very low. Transformer B in Fig. 2 "changes up" and the set transformer at the bottom of the line "changes down" again to match the high-impedance tuned circuits of the receiver. The net result is that the transmission line becomes a mere connector between the roof and the receiver; it is not a collector of impulses or, at any rate, not a good one.

There are many other advantages, too, about the use of a low-impedance transmission line. It can be of great length without introducing serious losses; its oppostion to the flow of current is small, and capacity effects become negligible. At the present time I am using a transmission line some 70 ft. in length between the aerial and the receiving set. It is treated with a fine, free disrespect such as could not possibly be shown to a plain down-lead and lead-in. For instance, it is stapled to picture rails, door frames, and skirting boards just as if it were

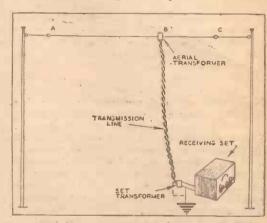


Fig. 2-Illustrating the principle of the anti-interference aerial

nothing more important than electric bell leads. Yet the aerial to which it is connected gives me efficient interference-free reception in a house near which there are several pieces of electrical machinery which radiate strongly, and past which there is a heavy stream of motor traffic. It also gives me far better reception with an "all-wave" set than I could obtain with a plain inverted-L or a T-aerial.

You will notice, on re-examining Fig. 2, that the roof is divided unequally by the transformer. The portion between A and B is much longer than that between B and C. By means of a switch incorporated in the set transformer, this can be operated automatically by the wavechange switch if the transformer is built in; the whole "roof" can be used for medium and long-wave reception, though for short-wave work only the "short-leg" B-C is in action. Aerial and set are thus matched to the work in hand.

Strictly speaking, one ought to have three aerials of the "plain" type for long, medium, and short waves, the length of the roof bearing in each case some relation to that of the received waves. The simplest anti-interference aerial with unequal "legs" in its roof and only two positions for the switch of the set transformer helps one to effect a compromise by using one part of the aerial for medium and long waves, and another for short. Some systems go further. The "long leg" is used for the medium waves, the "short leg" for short waves, and the whole roof for long waves.

In any event the user of an "all-wave" receiver gets far better results—apart from freedom from interference—from the unequally divided transmission-line aerial, which always gives him a better match between set and aerial than he can obtain by other methods. The anti-interference transmission-line aerial doesn't cost a great deal, and I can say from experience that it's very well worth while.

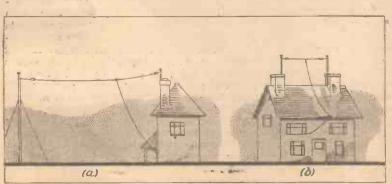


Fig. 1-Plain aerials of inverted-L (a) and T type (b) pick up interference on the down-leads. The shading indicates the "field" of the interference

Short-Wave Stations of the Far East

SHORT-WAVE listeners all over Malaya, India, Ceylon, China, Australia, Japan, and the Far East generally are being benefited by the activities of the leading broadcasting society of the Netherlands Indies known as N.I.R.O.M.

This progressive broadcasting institution, which was formed about three years ago under a concession from the Netherlands Indies Government for a period of ten years, now has more than 20,000 subscribers. The present subscription to the society is 7 guilders (about (1) per quarter-to be reduced to 5 guilders when the number of licence-holders exceeds 25,000—and as long as the concession is in force no others will be allowed to broadcast commercially.

Nirom's key transmitter is situated at Tanjong Priok and uses a power of 10 kW. In order to ensure reception in the outer Dutch possessions of the Netherlands Indies—such as Celebes, Dutch North Borneo, etc.—two additional transmitters belonging to the Postal and Telegraph Department of Bandoeng were brought into use early this year for relaying Nirom's daily programmes. These are PLP on 11.00 Mc/s (27.2 m.) and PMN on 10.26 Mc/s (29.2 m.), and are well known among

short-wave listeners everywhere. Since July, 1936, Nirom has added still another short-wave transmitter to their chain of stations—namely, YDC, on 15.00 Mc/s (20 m.)—which is now "on the air" simultaneously broadcasting the Nirom programmes daily from 23.00 to 00.30; 03.30 to 07.20; and from 10.30 to 14.30 (G.M.T.). Apart from these, YDC may also be heard at other times with experimental transmissions of recorded music.

Radio Saigon

For some weeks past a new transmitter in French Indo-China has been heard broadcasting English, French, and native programmes on a wavelength of 25.2 metres between the hours of 11.40 and 14.40 (G.M.T.). Reception over most of the Eastern countries has been reported to be excellent at strengths varying

from a good R8 to R5.

The station—which some listeners will remember having heard three or four years ago, on 49 metres—is owned and operated by a private commercial undertaking that handles radio products. In a communication received from the operators of the Saigon station they state that they are very pleased with the success of the experimental transmissions and that they hope to effect improvements to their transmitter, as well as to their programmes, in the near future.

Bangkok, Siam

After being inactive for a couple of years or so, Siam, too, has re-entered the field of shortwave broadcasting with renewed vigour, and is now broadcasting on 10.95 Mc/s (27.38 m.) on Mondays from 13.00 to 15.00 (G.M.T.) through HS8PJ, at Bangkok. The programmes consist of European and Siamese music, announcements being made in English, Siamese, French, Spanish, and Dutch.

Kuala Lumpur

The Government of the Federated Malay States has decided to increase the power of the Kuala Lumpur transmitter ZGE. The present Kuala Lumpur transmitter ZGE. transmitter was bought by the Malayan Government in 1931 for working internal services mainly on C.W. and I.C.W., but which was later adapted for speech transmission.

During next year the authorities expect to link up with Great Britain by radio-telephony, and then a much more powerful set than the present one, which employs an aerial energy of only 0.18 kW, will be necessary.

The Kuala Lumpur transmitter is loaned to an amateur radio society, which provides the programmes for the broadcasts. These take place on Sundays, Tuesdays, and Fridays from 11.40 to 13.40 (G.M.T.). At present even listeners in Malaya complain that Kuala Lumpur is not well heard in their territory. This is partly due to the high static level usual in the tropics on the 49 m. broadcast band. When the power is increased to 1 or 2 kW the listeners of the Kuala Lumpur radio society's programmes will be benefited considerably, since it will then be the most powerful station in Malaya.

It has been reported that Kuala Lumpur is being heard in India and other distant Eastern countries at entertainment value. Short-wave listeners in such places are certain to enjoy better reception when the power is increased E. C. J. early next year.

INTERRUPTIONS IN SHORT-WAVE COMMUNICATION

(Continued from page 9)

exactly the same time as a certain eruption was seen to occur on the sun's surface. This further suggests that the terrestrial effects were due to a burst of ultra-violet light which travelled from the sun to the earth in the same time (eight minutes) as the red light used for the spectroheliograph photographs which showed up the bright eruptions. We should, of course, expect the influence of an ultra-violet light burst to be noticed only on the illuminated side of the earth and, as has already been mentioned, Dr. Dellinger has reported that these radio "fadeouts" are only noticed on the day-time hemi-

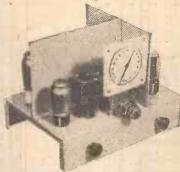
I should sympathise with a cautious reader who feels that the events of a single day are not a sufficient basis for a definite conclusion, for it seems to me clear that more examples of the correlation of bright eruptions and solar "fadeouts" are required before we can be quite certain that one is the cause of the other. In this connexion it may be noted that many bright eruptions have occurred which do not appear to have caused wireless "fade-outs;" while "fade-outs" have occurred which have not been connected with solar events. All we can say is that the subject appears well worth continued investigation, and it is in this connexion that readers of this journal may find

a subject for observation.

It would, of course, be very remarkable if some disturbance occurred in the sun every second rotation, and it seems to me very necessary to make quite sure that nothing is necessary to make quite sure that nothing is missed after the first rotation, which occurs in twenty-seven days. To assist readers who care to make a note of any "fade-outs" they experience, I may point out that there were two series of "fade-outs" noticed in the earlier part of the present year, which we may for convenience call the A series and the B series. The A series occurred on February 14 and April 8, and so, if we assume a fifty-four day spacing, would run afterwards June 1, July 25, September 17, and November 10, etc. I have not yet heard of any results obtained after April 8 in regard to this series. The B series, which do not appear to be so severe in their effects, were noted on February 8, April 1, and May 25, and so would run afterwards: July 18, September 10, November 3, etc. As I have already mentioned, it would be worth while making special observations at periods midway between these dates as well as round about the dates themselves.

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W.R.2

Not very long ago, short-wave receivers were built more or less by rule of thumb and, in

many cases, gave surprisingly good results.

Recently, however, great progress has been made in receiver design, and both straight and

superheterodyne short-wave receivers have im-

Generally speaking, the directions in which the chief advances have been made may be

indicated by three main headings - namely,

(1) sensitivity, (2) selectivity, (3) simplicity of operation. Naturally, various problems have

arisen in these three main groups, and it is the

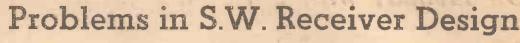
object of this article to explain what has been

proved accordingly.

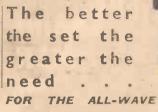
the near future.

done so far and what further

progress may be expected in



By E. J. ALWAY



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W.R.30,10,36

Increasing Sensitivity The question of increased sensitivity is being met in two different ways. The first and most obvious, of course, is the use of additional valves and tuned circuits to the H.F. stages of straight receivers and to the H.F. and I.F. stages of superhet. receivers. In fact, it is now very unusual to find

but the cheapest class, which does not possess a reasonably efficient H.F. stage preceding the frequency-changer. The H.F. stage is generally operative on all wavebands, although in some receivers it is brought into use only on the short waves, where there is more

need of extra amplification.

a superhet. receiver, in any

An initial H.F. stage also fulfils other functions, such as providing greater "image signal" rejection, but the additional gain which it provides is very useful on the short waves, where the field strengths of stations are generally of the order of micro-volts instead of milli-volts

as on the medium-wave and long-wave bands. Recently, in both straight and superhet. receivers of the "all-wave" type, the initial H.F. stage has also been made more efficient by the adoption of a new type tuning condenser having lower maximum and lower minimum capacities than have been employed hitherto. They have a maximum capacity of only 0.00036 μF and are often constructed with insulators of

low-loss ceramic materials in place of the familiar bakelite and similar materials whose dielectric loss is often too high for good results on the very high frequencies. synthetic resin material produced recently, however, shows quite low losses even when used on wavelengths of the order of 5 metres. This particular synthetic "resin" and the ceramic or porcelain-like materials are finding more and more uses on the short waves-in the shape of coil formers and other similar products. Ebonite, of course, good dielectric properties, but is not stable, and is unsuitable for export because of its tendency

to absorb moisture and to soften in high temperatures.

Coils of higher inductance value than formerly are now wound on special bakelite or extruded ceramic formers and, in conjunction with the new low-capacity tuning condensers, these circuits can be made to have higher "Q" or "goodness" values than would have been commercially possible a year ago. Some of the most modern of these coils, too, are wound round a specially prepared iron core, since recent advances in this sphere have shown the use of powdered-iron or "dust" cores to be beneficial on wavelengths down to even 20 metres.

A modern iron-cored short-wave coil may not show a marked gain when compared to a similar air-cored coil, but a marked difference will be found in the resonance curve (see Fig. 1), the iron-core coil having a much steeper resonance peak.

Selectivity

This point, however, really comes under the

heading of selectivity-one of the major problems of the straight short-wave receiver, for which there is still hope, in spite of the congested nature of the short-wave broadcasting and amateur bands, provided coils of really high "Q" value can be used, and if the L/C (inductance-capacity) ratio is chosen not so much for high gain (i.e., large inductance and very small capacity) but rather for optimum selectivity. may be done by choosing a fairly large tuning condenser in preference to one of, say,

only 40 µµF capacity, without much sacrifice in gain. Alternatively, a further valve stage may be added, with consequent increase in both sensitivity and selectivity.

An additional tuning circuit, when used, may—as a refinement and if the stages are well screened—have its own "reaction" valve (a triode with reaction coil, or possibly a dynatron) connected solely for the purpose of reducing losses and so improving the selectivity.

Extreme selectivity, of course, still calls for the use of a superheterodyne receiver, and has in many cases been achieved by the use of crystal filters (in connexion with the I.F. amplifier) which may be switched in and out of circuit as desired. At present, when such a filter is in operation, the receiver is not really suitable for the reception of telephony, but band-pass crystal filters are rapidly developed and many listeners are now familiar with the variable-selectivity superheterodynewhose intermediate-frequency bandwidth may

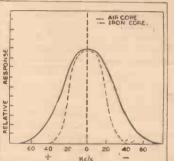


Fig. 1-Relative performance of aircore and iron-core coils

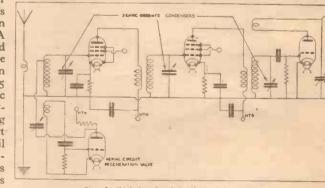


Fig. 2-"High-selectivity" straight receiver

be varied mechanically by means of a knob on the panel so as to take care of different signal strengths and interference conditions. The selectivity may thus be varied at will to suit the particular station tuned in, the variation being most commonly accomplished by decreasing or increasing the distance (and, therefore, the

(Continued at foot of col. I on opposite page).

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On Holiday with a Portable S.-W. Set



It is proposed to describe a short-wave portable receiver which was used recently whilst on holiday at various places. Considering that it is only a "one-valver" and that two pairs of headphones were used, some exceedingly good results were obtained, especially on Salisbury Plain, on high cliffs overlooking the sea at Seaton, Devon, and on the Yorkshire moors. All continents were heard, the items including news and talks in English from America, Iceland, Germany, France, Holland, and the Empire programme from GSB.

The Receiver

The main requirements of the set were that it should have no accumulator and only a small high-tension battery, and the circuit shown fulfils these conditions. The valve is an ordinary two-volt output pentode, which oscillates easily with 18 volts high-tension supply and a filament battery of 1½ volts. Two small grid-bias batteries were used for the H.T. supply, and a gas-lighter dry cell for the L.T. As a matter of fact, some pentodes will oscillate with only 9 volts H.T., and thus it will be seen that the main drawback to portable sets—the weight of the batteries—is overcome. The whole set, complete with batteries, plug-in coils, two pairs of 'phones and aerial wire, fits into a case 13in. x 7in. x 3½in.

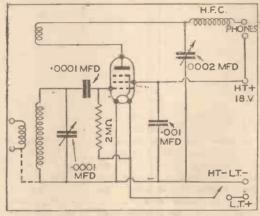
It is suggested that if a similar set is being constructed, condensers fitted with good slow-motion dials should be used for tuning and reaction. The components should also be

mounted on a metal chassis in order to avoid hand-capacity effects. Two-pin plug-in coils were used in the original set, but, of course, four-pin coils could be employed with a proportionate saving of space. The remaining components came from the junk-box, so that the total cost of the receiver was only a few shillings.

The aerial consisted of a length of flex, which at first was slung over a branch of a convenient tree. This, however, was inclined to sway in the wind and cause difficulty in tuning, and it was found better to stretch out the wire on the ground, there being scarcely any reduction in signal strength.

Results Obtained

Now as to stations received. On the 19 m. band—W2XAD, W2XE, DJQ, W8XK, Prague, and JVH; 25 m.—TFJ, RNE, 2RO, SM5SX (a new Swedish station), and JVM; 30 m.—



Circuit arrangement of receiver

ORK, PCJ, CT1AA, LRX, VK3LR, W2XAF, DJA, DJN, GSB, and LKJ1. Rio de Janeiro, PRF5, was received at about R3 on this band and the carrier-wave of Sydney could just be heard one morning. Several distant amateurs were tuned in on the 20 m. band and a few local amateurs on 40 metres.

C. R. G.

PROBLEMS IN S.W. RECEIVER DESIGN (Continued from opposite page)

electromagnetic coupling) between the primary and secondary coils of one or more of the I.F. transformers in the receiver.

Simplifying Operation

The limiting condition as far as simplicity of operation is concerned has probably been reached by one commercial firm, whose receiver has practically all its operations controlled by one knob—tuning, volume, tone control, and the variable selectivity device all being connected up to the one operating position. Such simplicity as this is not likely to be obtained in amateur receivers for some time, but nearly every homemade and some commercial receivers are fitted with that very handy device—a band-spread condenser—which does much to facilitate the tuning-in of elusive short-wave stations.

tuning-in of elusive short-wave stations.

New tuning devices such as the "Magic Eye" and "Mystic Eye" have also become popular, since they are inexpensive, quick, and reliable in operation and may, apparently, be fitted to straight receivers not possessing A.V.C. systems.

All receivers possessing a grid-leak detector, however, have in them the rudiments of an A.V.C. system, although the voltage generated

across the grid-leak may not be fed back to variable-mu H.F. stages, but only viâ the anode circuit of the valve to a pair of headphones. This A.V.C. voltage, though often small, may be used to work the miniature cathode-ray tube on reasonably strong stations to give some indication of signal strength, since additional amplification will be provided by the valve amplifier in the device itself.

Finally, the advent of low-loss ganged wavechange switches has simplified or rendered unnecessary constant coil changing, and recent developments point to rotary assemblies of individual coils becoming popular. Waveband switching of this latter type is, of course, used in many commercial (professional) receivers used in the short-wave relaying receivers installed at the BBC receiving station at Tatsfield.

INTERNATIONAL SHORT-WAVE CLUB

THE London Chapter of the I.S.W.C. meets on Fridays (except the second Friday of the month) in the R.A.C.S. Hall, Cavendish Grove, Wandsworth, for lectures, demonstrations, and discussions upon short-wave matters. We are asked to state that any readers of WORLD-RADIO who care to attend will be welcomed.



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For the benefit of new readers, and to meet the requirements of others who still desire the informa-tion, we reprint details of all-wave receivers as given in our Radio Exhibition Number of August 28, together with certain corrections and additions covering changes made since that date. Enquiries addressed to this office will be forwarded to the manufacturers concerned.

INVICTA RADIO LTD.

Model C.W.3B, 3-v. A.C. straight receiver, S.W. range 17-51 m., 9 gns.; Model A.W. 57, 5-v. A.C. superhet, wavelengths 13-27 m., 25-75 m., 75-200 m., 200-550 m., and 850-2,000 m., 14 gns.; A.W. 47RG, radiogram, 22 gns.; Model C.W.3B, 3-v. straight battery set (17-51 m.), £8 2s. 6d. (incl. batteries).

KOLSTER-BRANDES LTD.

Model K.B. 515, 3-v. A.C. straight receiver, S.W. range 19-50 m., 9½ gns.; Model K.B. 525, A.C./D.C. version of K.B. 515, 9½ gns.; Model K.B. 560, 4-v. A.C. superhet, iron-cored coils, A.V.C., visual tuning, S.W. range 19-52 m., 3 watts output, 16 gns.; Model K.B. 535, 3-v. straight battery receiver, S.W. range 19-50 m., 8½ gns.

LISSEN LTD.

Model 8114 5-v. A.C. superhet, neon tuning, variable selectivity, noise suppression, S.W. ranges 13-33 m., and 29-82 m., 17 gns.; Model 8130, 3-v., A.C./D.C. straight receiver, tone control, S.W. range, 18-54 m., 9 gns.; Model 8165, 3-v., straight battery receiver, S.W. range 18-54 m., 8 gns. (incl. batteries).

MARCONIPHONE CO., LTD.

MARCONIPHONE CO., LTD.

Model 346, 6-v. A.C. superhet, A.V.C., tone controls, 3 watts output, S.W. range 7-141 m., 18½ gns.; Model 345, 6-v. A.C. superhet, as Model 346, but S.W. range 16.5-51.5 m.; Model 534, 6-v. A.C. superhet, A.V.C., tone controls, "Thaumoscope" visual tuning, 3 watts output, 16 gns.; Model 382, 4-v., A.C./D.C. superhet, A.V.C., tone controls, mains filter, voltage regulator, S.W. range 16-50 m., 2 watts output, 13½ gns.; Model 556, 5-v., A.C. superhet. A.V.C., tone control, mains aerial, 2 watts output, 13½ gns.; Model 375, 3-v. T.R.F. receiver, 9½ gns.; Models 365 and 366, 6-v. all-wave A.C. radiograms, A.V.C. tone controls, auto record changer, 3 watts output, wavelengths 7-16 m., 16.5-51 m., 46-140 m., 185-560 m., and 750-2,250 m., 36 gns.; Model 363, 6-v. all-wave A.C. radiogram, details as Model 365, ex. record changer, 28 gns.; Model 249, 5-v. A.C. radiogram, 29 gns.; Model 239, 5-v. A.C. radiogram, 22 gns.

McMICHAEL RADIO, LTD.

McMICHAEL RADIO, LTD.

Model 362, 4-v. A.C. superhet, A.V.C., 2 watts output, S.W. range 18.6-51 m., 15½ gns.

MILNES RADIO CO., LTD.

Pearl, 5-v. A.C. superhet, 4 wave-ranges, A.V.C. table model, £17 17s. od.; console, £20 17s. od.; Diamond, 7-v. superhet, 4 wave-ranges, A.V.C., table Model, £16 16s. od.; console, £19 16s. od.

PHILIPS LAMPS, LTD.

Model 745A, 4-v. A.C. superhet, Adaptovisor dial, tuning silencer, 12 gns.; Model 745U, similar to 745A, but D.C./A.C., 13 gns.; Model 797A, 5-v. A.C. superhet, Adaptovisor dial, audioscopic repro-A.C. superhet, Adaptovisor dial, audioscopic reproduction, tuning silencer, 14½ gns.; Model 797U, similar to 797A, but D.C./A.C., 15½ gns.; Model 795A, 5-v. A.C. superhet, audioscopic reproduction, Adaptovisor dial, visual tuning, 18 gns.; 795U, similar to 795A, but D.C./A.C., 19 gns.; Model 790A, 5-v. A.C. superhet console, 20 gns.; Model 790U, similar to 790A, but D.C./A.C., 21 gns.; Model 71AB, 5-v. superhet with Adaptovisor dial and Model 714B, 5-v. superhet with Adaptovisor dial and tuning silencer (incl. batteries), 14 gns.; Model 791A, 5-v. radiogram, 29 gns.; Model 792A, 5-v. auto-radiogram, 38 gns.

PYE RADIO, LTD.

PYE RADIO, LTD.

"Empire" Model, 10-v. (incl. rectifier), A.C. console superhet, visual tuning, A.V.C., variable selectivity, tone control, noise suppression, S.W. ranges 13-33 m., 30-82 m., 6 watts output, 33 gns.; Model T.10, 6-v. (incl. rectifier), A.C. superhet, neon tuning, variable selectivity, sensitivity and tone controls, 2.5 watts output, wave-range as "Empire" model, 18 gns.; Model T.10A, 5-v. (incl. rectifier), A.C. superhet, waverange as "Empire" model, 16 gns.

RADIO GRAMOPHONE DEVELOPMENT CO., LTD.

Model 625, 6-v. A.C. superhet, 4 wavebands (16-2,000 m.), variable selectivity, neon tuning, noise suppression, tone control, 3 watts output, 25 gns.; Model 630, a console version of Model 625, 30 gns.; Model 645, 6-v. (incl. rectifier), all-wave A.C. radiogram, 4 wavebands (16-2,000 m.), variable selectivity, neon tuning, noise suppression, tone control, 3 watts output, auto changer, 45 gns. Model 660, 6-v. (incl. rectifier) all-wave A.C. radiogram, variable selectivity, cathode-ray, tuning, 3½ watts output, 60 gns.; Model 880 radio equipment similar to Model 660, but including push-pull 6-watt amplifier, 80 gns.; Model 1220, push-pull 6-watt amplifier, 80 gns.; Model 1220, 12-v. all-wave, A.C. radiogram, 12 watts push-pull amplifier, 120 gns.

SELF-CHANGING GRAMOPHONES, LTD. Autotype, high-fidelity, automatic A.C. radio-gram with 5-v. superhet radio circuit and 15-watts paraphase-type amplifier, Q.A.V.C., variable selec-tivity, all-wave model, 165 gns.

STRATTON & CO., LTD.

6-v. superhet battery receiver, interchangeable inductance units for medium and long-wave reception, A.V.C. and variable amplification, £27 10s. od. The Eddystone "All-World Two," with special slowmotion band-spread tuning unit. This receiver is sold as a constructors' kit at 67s. 6d.

ULTRA ELECTRIC, LTD.

"Ultra 47" 6-v. (incl. rectifier), A.C. superhet, A.V.C., sensitivity and tone controls, S.W. ranges 13-35 m., and 30-80 m., 17 gns.; "Ultra 48" 5-v. A.C. superhet, A.V.C., S.W. range 16.8-50 m., 13 gns.

UNION RADIO CO., LTD.

Unirad all-wave receivers with 4-band tuning, the waveranges covering 12.5-28 m., 27-81 m., 235-550 m., and 950-1,925 m. (or, alternatively, 12.5-28 m., 27-81 m., 80-235 m., and 235-550 m.), A.V.C. and tone control are provided. The output of the mains-driven sets is 3.5 watts, and of the battery sets 1½ watts. Price £29.

VIDOR LTD.

Model 253, 3-v. band-pass circuit, moving-coil loudspeaker, waverange 13.5-2,000 m., £7 198. 6d. (incl. batteries); Model 254, 3-v. A.C./D.C., 9 gns.; Model 237, 5-v. A.C. radiogram, A.V.C., 3½ watts output, 18 gns.

PILOT RADIO, LTD.

PILOT RADIO, LTD.

Model U.355, 5-v. superhet, A.V.C., tone control, S.W. range, 16-53 m., 3-watts output, 12 gns.;

Model U.225, A.C./D.C., 6-v. superhet, 14 gns.;

Model CU.225, 5-v. A.C., console receiver, 17 gns.;

(A.C./D.C. model, 19 gns.); Model U.650, 6-v.

A.C. superhet, 16 gns.; U.690, 6-v. D.C. superhet, 17 gns.; CU.650, 6-v. A.C. console superhet (16-52 m., 48-150 m., 175-550 m., and 750-2,100 m.), 23 gns.; CU.690—a D.C. version of CU650, 24 gns.

Reference Data for the Short-Wave Listener

INTERNATIONAL MORSE CODE SIGNALS |

Letters:	G amos B B	x —	
a -	m ——	y — = — —	
a s s	D ==== #	Z	
á or á = =	n		
b === 6 m m		Figures:	
C B B	0	1	
ch	0	2	
d = =	р • •	3	
ея	q =	4	
é	r = === =	5	
f == =	5	6	
g a	1	7	
hann	u = =		
i ==	ü	8 ———	
I make many family	v	9	1
k	w = —	0	-
Punctuation and other	Siane.		
Commencing Signal (to pre		ssion) —	
Full stop			
Note of interrogation, or			
Double dash (signa			
from text, and text f			
Understood:			7
Error			
Invitation to transmit, "G			
Wait			
End of transmission .			
End of Work		. 2 2 2 0000 2 0000	

LIST OF WIRELESS ABREVIATIONS

Abbreviations—sometimes known as the "Q Code"—are used extensively by commercial and experimental stations. We give below a *few of those most frequently heard, together with their meanings. When an abbreviation is intended as a question, it is followed by the note of interrogation.

Abbreviation Question	Answer
QRA What is the name of your station? QRB How far are you from my station?	The name of my station is The distance between our stations is
QRD Where are you bound and where are you from?	I am bound for from
QRG Will you tell me my exact frequency?	Your exact frequency is kc/s.
QRH Does my frequency vary?	Your frequency varies.
QRM Are you experiencing inter- ference?	I am experiencing interference.
QRN Are you troubled by atmospherics?	I am troubled by atmospherics.
QRT Shall I stop sending?	Stop sending.
QSA What is the strength of my signal (R1 to R5)?	The strength of your signals is R
QSB Does the strength of my signals vary?	The strength of your signals varies.
QSX Will you listen for (call sign) on kc/s?	I am listening for (call sign) on kc/s.
QTE What is my true bearing in relation to you?	Your true bearing in relation to me is degrees; or
What is my true bearing in relation to (call sign)?	Your true bearing in relation to (call sign) is degrees at (time).
QTF Will you give me the position of my station (by D.F.)?	The position of your station (by D.F.) is latitude longitude.
QTR What is the exact time?	The exact time is

*A full list of abbreviations will be found in the Handbook for Wireless Telegraph Operators, published by H.M. Stationery Office, price 9d. net.

TABLE OF DISTRIBUTION OF CALL-SIGNS

(From the List published by the Bureau de l'Union Internationale des Télécommunications, Berne).

Countries	Call-signs	Countries	Call-signs	Countries	Call-signs
Chile	CAA-CEZ	Italy and Colonies	I	Costa Rica	TIA-TIZ
Canada	CFA-CKZ	Japan	J	France and Colonies and	
Cuba	CLA-CMZ	United States of America	K	Protectorates	TKA-TZZ
Morocco	CNA-CNZ	Norway	LAA-LNZ	USSR	U
Cuba	COA-COZ	Argentine Republic	LOA-LWZ	Canada	VAA-VGZ
Bolivia	CPA—CPZ	Luxembourg	LXA-LXZ	Commonwealth of Australia	VHA-VMZ
Portuguese Colonics	CQACRZ	Lithuania	LYA-LYZ	Newfoundland	VOA-VOZ
Portugal	CSA-CUZ	Bulgaria	LZA-LZZ	British Colonies and	
Uruguay	CVA-CXZ	Great Britain	M	Protectorates	
Canada	CYA-CZZ	United States of America	N	British India	VTA-VWZ
Germany	D	Peru	OAA-OCZ	Canada	VXA-VYZ
Spain	EAA-EHZ	Austria	OEA-OEZ	United States of America	W
Irish Free State	EIA-EIZ	Finland	OFA-OHZ	Mexico	XAA-XFZ
Republic of Liberia	ELA-ELZ	Pilitatio	(OIA-OJZ*	China	XGA-XUZ
Iran	EPA-EQZ	Czechoslovakia	JOKA-OKZ	British India	XYA—XZZ
Estonia	ESA-ESZ	Belgium and Colonies	(OLA-OLZ*	Afghanistan	YAA-YAZ
Ethiopia	ETA-ETZ	Denmark	ONA-OTZ	Dutch East Indies	YBA—YHZ
Germany	EZA-EZZ *	Netherlands	OUA-OZZ	Iraq	YIA-YIZ
France and Colonies and		Curação	PAA—PIZ	New Hebrides	YJA—YJZ
Protectorates	F	Dutch East Indies	PJAPJZ	Latvia	YLA—YLZ
Great Britain	. G	Brazil	PKA-POZ	Free City of Danzig	YMA—YMZ
Hungary	HAA-HAZ	Surinam	PPA—PYZ	Nicaragua	YNA-YNZ
Swiss Confederation	HBA—HBZ	(Abbreviations)	PZA—PZZ	Romania	YOA-YRZ
Ecuador	HCA-HCZ	USSR	Q	Republic of El Salvador	YSA—YSZ
Republic of Hayti	HHA-HHZ	Sweden	R	Yugoslavia	YTA—YUZ
Dominican Republic	HIA-HIZ		SAA—SMZ	Venezuela	YVA—YWZ
Republic of Colombia	HJA—HKZ	Poland	SOA-SRZ	Albania	ZAA-ZAZ
Republic of Panama	HPA-HPZ	Egypt	SSA-SSZ*	British Colonies and	an. a
Republic of Honduras	HRA-HRZ		\STA—SUZ	Protectorates	ZBA—ZJZ
Siam	HSA-HSZ	Greece	SVA-SZZ	New Zealand	ZKA-ZMZ
Vatican City (State of the)	HVA-HVZ	Turkey	TAA-TCZ	Paraguay	ZPA—ZPZ
	HZA-HZZ	Iceland	TFA-TFZ	Union of South Africa	ZSA—ZUZ
Saudi Arabia	TITLE TITLE	Guatemala	TGA-TGZ	Brazil	ZVA-ZZZ*

Short-Wave News Reel

Siam's Royal Orchestra

On Monday, October 19, for the greater part of half-an-hour, I listened to a short-wave relay from the National Broadcasting Station at Bangkok, featuring the Royal Military and Naval Orchestra of Siam in a programme of Siamese music. In my log of this broadcast I read that much of the music appeared to be western in character, but that occasional interludes included native singing with a corresponding accompaniment on instruments of eastern origin. The relay was concluded at 13.26 (G.M.T.), when I heard the station's interval signal —the musical notes: Soh-doh-me-doh-me-soh-me.
Then followed the call in Siamese, English, and
French, as follows: "Short-wave station HS8PJ, at Bangkok, on a frequency of 19.02 megacycles, or a wavelength of 15.77 metres."

a wavelength of 15.77 metres."

The speaker, in very good English, then announced that the next part of the programme would consist of a gramophone recital of popular tunes. I heard two spirited numbers from the film: "Follow the Fleet;" they were: "I would rather lead a Band" and "Let Yourself Go," both played by Ambrose and his Orchestra.

"Gold and Silver Waltz," played by Sidney Kyte and his band, followed by other recent dance hits.

It was with regret that I had to "switch off" this broadcast which was received at good loudspeaker strength throughout.

strength throughout.

Barnsley, Yorks.

R. H. G.

Pan-American Air Liner

Once again W2XAF introduced their listeners to something thrilling and original. To be taken on board the giant amphibian of the Pan-American Airline, and be present, as it were, at the start of the first commercial passenger flight from San Francisco

across the Pacific, was my good fortune, at 22.40 (G.M.T.) on Wednesday, October 21.

The commentator, walking through the many luxurious cabins of this 26-ton "monster of the air," gave a graphic description of all he saw. The hull, the statement of the saw of fittings. he said, was 91 feet long and all furniture and fittings were of duralumin for strength and lightness.

The chief navigator was interviewed, and also several of the passengers, some of whom had held tickets for the flight for nearly two years! Going forward, we were "shown" the dashboard containing no less than 325 instruments—"all in working order" being the dry comment. For six minutes the four mighty engines were heard warming up for their long journey, which, it was hoped, would be completed in eighteen hours. We were promised a relay from the destination, Honolulu, when they arrived there at 12 noon (E.S.T.), the next day. A cry, "Cast off," and "Hawaiian Clipper No. 57" roared away and up into the blue. "She's away"!

Dorchester.

L. J. LE B.

Dorchester.

L. J. LE B.

Hawaiian Guitars

Having read in WORLD-RADIO of October 2 that a Having read in WORLD-RADIO of October 2 that a short-wave station in Hawaii had been heard on 25.68 m., I decided to attempt reception of this station on Tuesday, October 20. Turning to the 25 m. band at 04.40, I discovered a transmission on a wavelength just above that of TPA4, which certainly sounded promising, for the programme consisted of the delightful guitar music for which Hawaii is famous. For twenty minutes I listened to this very pleasant entertainment, which also to this very pleasant entertainment, which also included vocal items, until at 05.00, I heard the announcement, "You have been listening to station KIO, Kahuku, Hawaii."

After further concluding remarks, which, unfortunately were blotted out by an interfering morse transmission, KIO closed down.

Yate, Glos.

TO NEW READERS: Contributions submitted for our Short-Wave News Reel must refer to interesting events or items broadcast on the short waves. record of reception from several stations is not suitable. Contributions—approximately 200 words in length—should be clearly marked "Short-Wave News Reel." and must reach us by first post each Monday for use in the following Friday's issue. Half-a-guinea is paid for each item published.

Test Match Broadcasts

THE Australian Broadcasting Commission advises us that during the Australian Tour of the English Test Team, 1936-7, a special programme of one hour's duration is to be presented nightly from the Australian short-wave station, VK3LR on 31.32 m., beginning on Friday, October 16.

The hour chosen for this special transmission is 23.45 to 00.45 Australian Eastern Standard Time, the time in England being 13.45 to 14.45 (G.M.T.) the same day. The time was selected after reference had been made to reception charts supplied to the

the same day. The time was selected after reference had been made to reception charts supplied to the Postmaster-General's Department in Australia by the BBC. This special programme has, for easy reference, been called "Programme D," and will be transmitted from a horizontal rhombic aerial directed on London. Reports on reception will be appreciated by the Australian Broadcasting Commission, whose address in Victoria is Box 1586, G.P.O. Melbourne,

Identification of VK3LR—as far as Programme D is concerned—will be facilitated by (a) the present identification signal, the call of the Australian Lyre Bird, which is broadcast prior to the opening of the programme, (b) by the inclusion of the midnight chiming of the Melbourne Central Post Office clock, and (c) by frequent announcements.

Other programmes radiated by short-wave station VK3LR are: Programme "A," 08.30-10.00; Programme "B," 10.00-12.30, 12.50-13:30; Programme "C," 12.30-12.50.

U.S.A. Presidential Election

To assist in world-wide broadcasting of election results on Tuesday, November 3, short-wave stations W2XAD and W2XAF will operate throughout the day from o8.00 to midnight, at which time it is expected there will be no question as to who is elected president. W2XAD, operating on a frequency of 15.33 Mc/s (19.57 m.), will use its European beam for this transmission, while W2XAF, on 9.53 Mc/s (31.48 m.) will use its regular aerial.

Short-Wave Reporting

FOR the information of new readers we give below particulars of the abbreviations to be used when submitting short-wave reports.

TABLE OF SIGNAL STRENGTHS

RI—Just audible.
R2—Audible, but unintelligible.
R3—Audible, partly intelligible.
R4—Just intelligible.

R5—Quiet, but intelligible.

R6-Moderately loud.

-Normal, good clear reception.
-Strong reception.

Ro-Wipe-out signals.

FADING AND ATMOSPHERICS

F=slight fading; FF=fairly deep fading, but no programme lost; FFF=complete fade-out, and programme lost. (N=no fading.)
SS=very slow fading (minutes); S=slow (one minute or so); R=fairly rapid (several seconds); RR=very rapid (one second or less).
X=slight static; XX=rather bad; XXX=very strong atmospherics. (N=no atmospherics)

strong atmospherics. (N=no atmospherics.)

TYPE OF RECEIVER.

One-valve Receiver Det. and one L.F.
H.F.—Det.—2 L.F.
Screened Grid—Det.—Pentode
Plug-in Adaptor and 2 L.F. 0-V-I 1-V-2 SG-v-pen. Av-2 C+SH6 Converter and 6-valve superhet ...
Commercial All-Wave Set, 5 valves ... AW5

SPECIMEN REPORT

Uct. 2 19.40—JVM (27.93 m.) R8/N/X Music and announcement. 19.41—W2XAD (19.57 m.) R5/F/X Baseball commentary.

Oct. 6 19.35—W8XK (19.72 m.) R5/FF/N Play and station ann'ct. 22.10—W2XAF (31.48 m.) R8/FF/XX Talk.

Receiver o-v-pen., with 30 ft. outdoor aerial. All reception

Below 100 Metres

By "METROPOLITAN"

(October 19-25)

RECEPTION conditions during the beginning of the week were rather variable, especially on wavelengths below 20 metres. The 19 m. U.S. transmitters, for instance, were very much weaker than of late, and W3XAL (16.87 m.) was seldom heard above R3-4. The most reliable U.S. channels have been provided by W2XAF and W1XK. Incidentally, W3XAU (31.28 m.) has resumed operations with increased power and has been heard several times this week.

OLR, Podebrady, on 19.58 m., was R7 at 17.15 on Monday. The U.S. 19 m. transmitters were weak at this time and only W2XAD could be heard at about R3. W2XAF was heard fairly well (R7) at 22.20; EAQ was R8, while DJA and DJN were also strong. PRF5 and LSX were both R7 at 23.20, W1XK (R8) being the best of the Americans. Conditions on the 28 m and 40 m bands were poor.

W1XK (R8) being the best of the Americans. Conditions on the 25 m. and 49 m. bands were poor. W2XAD was only an R5 signal during the early evening of Wednesday, and the carrier only of W8XK was heard. Better conditions prevailed later and the 31 m. band provided the optimum signals, W2XAF and W1XK both being R7, with W2XE (25.36 m.) a steady R5. LKJ1, DJL, DJB, and DJE were all R8 at 12.30 on Thursday, and W2XE (13.94 m.) was intelligible (R5 with shallow fades) at intervals. During the late evening, W2XAF was R8 on peaks, with deep fading. W1XK was also good, but had a rather noisy carrier. VP3BG at Georgetown on approximately 49 metres was R6 at Georgetown on approximately 49 metres was R6 at 23.35, and the South Americans in the 31 m. and 49 m. bands were very well received. CT1AA (31.07 m.) and CSW (31.41 m.)—both at Lisbon—were both R9 at 23.50, and so was Moscow RAN

were both Ro at 23.50, and so was Moscow RAN (31.25 m.).

W2XE (13.94 m.) was well heard during the afternoon of Friday. An improvement in the strength of W3XAI. (16.87 m.) was noticed at 20.45, at which time W2XAD was R6. W2XAF was R7 at 21.45 but, as usual, was seriously affected by another station on about the same frequency. Fairly good conditions prevailed on Saturday, the higher frequencies being better received than of late. Conditions in the 31 m. band during the late evening were not as good as experienced during the early part of the week, W2XAF being only R4-5, with some "fluttering." PMN was well heard on Sunday at 15.15, being an extremely steady R7 signal. W2XAD was fair at 18.20 and TFJ (Reykjavik) at R7 was heard well at 18.50. DJD was very strong at 19.00, so also was OLR (25.51 m.). W2XAF was very well heard at 23.00.

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hattery sets; battery
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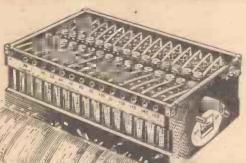
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MODEL AW 57

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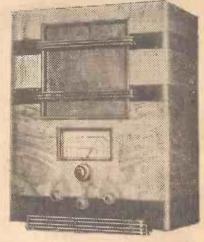
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25 - 75

75 - 200

200 - 550

800 - 2000



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CIRCUIT.-6-valve (including Rect.) Superhet. Frequency changer, I.F. stage, double diode for detection and A.V.C., Triode L.F. Amplifier, and Pentode output. 465 Kc/s I.F. For A.C. Mains only. FULL DETAILS ON REQUEST.

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NOTE: "Avo" Testing Accessories recently advertised erroneously at 2/6

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A smaller brother of the Universal Avo-Meter. Gives 22 ranges of readings (A.C. and D.C.) of current, voltage and resistance, 3in. scale. High total resistance, 200,000 ohms gives accurate testing. Complete with instruction book, leads, inter-change able testing produced and crocodile clips. Price



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Current 0-6 m/amps. 0-30 , 0-120 ,

V-120 ",
Voltage
0-6 volts | 0-240 volts
0-12 volts | 0-500 volts
0-120 volts | 0-600 volts
Resistance
0-10,000 ob...

0-10,000 ohms 0-60,000 ,, 0-1,200,000 .. 0-3 megohus

In case, with In-struction Book-let, leads, testing prods and crocodile clips.

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7-Valve Superhet (Mains or Battery). Four-Band tuning, covering wave ranges; 12½-28, 27-81, 235-550, and 950-1,925 mctres. Alternatively: 12½-28, 27-81, 80-235, and 235-550 metres. Chassis of NON-ferrous metal (very essential). Dual ratio tuning Drive with wear adjustment. External speaker sockets (3 to 5 ohms) and provision for silencing internal speaker. Gramophone Pick-up sockets. Variable tone compensator. Circuit of exclusive design. Undistorted Output: Mains, Sets 3½ watts; Battery Set 1½ watts. Battery Set H.T. consumption: 12-14 m/a under average working conditions. Batteries provided are: 2v., 48 a.h. Accumulator. 135 v. H.T. (triple capacity), G.B. 12v.

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The book that helps your tuning and your listening. Full details of frequencies, wavelengths, signals, etc., in "WORLD-RADIO STATION IDENTIFICATION PANELS." From newsagents and booksellers, 1/-



SHORT-WAVE BROADCASTING STATIONS

	24.1	1 777	Frequencies are shown in Megacycles (Mc/s).						
75	Mc/s	kW	Station Ponta Delgada (Azores) CT2AJ.	Dial Reading	m. 31.45	Mc/s 9.54	kW	Suva VPD2. D'ly (ex. Sun.), 05.30-06.30.	Dial Reading
70.2	4.27	20	Kharbarovsk RV15. 06.00—14.00.		31.38	9.56	5-50	Zeesen (Germany) DJA. 05.30—07.15;	
51.72	5.80	I	Caracas (Venez.) YV2RC. Sun., 13.00— 02.20; W'KD'YS, 15.15-18.00; 21.00-02.00.		27.26	0 =6		13.00—16.30; 22.05—02.15.	7
51.52	-5.82		San Jose (Costa Rica) TIX. 00.00—04.00.		31.36	9.56	4.5	Bombay VUB. Sun., 06.00—07.00; Tues., 16.30—17.30; SAT., 16.30—17.30.	
51.28	5.85		Maracaibo (Venez.) YV5RMO. 22.00-02.00.		31.35	9.57	10	Millis (Mass.) WIXK. D'ly, 11.00-05.00.	
50.26	5.97	10	Vatican City (Italy) HVJ. Daily, 19.00—19.15; Sun., 10.00.				15	*Daventry GSC. Lyndhurst (Australia) VK3LR. Mon. to	
50.16	5.98	0.2	Trujillo City (D.R.) HIX.		31.32	9.58	1	FRI., 08.15-12.30; SAT., 03.00-12.30.	
50	6.00	20 I	Moscow (U.S.S.R.) RW59. Mexico City XEBT. 00.00—09.00.				10	Buenos Aires (Argentine)LRX. 22.00-02.00.	
49.96	6.00	6	Montreal VE9DN. 23.00—05.00.				20	Philadelphia (Pa.) W3XAU. 17.00—01.00. Sydney (Australia) VK2ME. Sun., 06.00—	
49.92	6.01	0.5	Havana (Cuba) COCO. 21.00-00.00;		31.28	9.59	1	08.00; 09.30—13.30; 14.00—16.00,	
		0.09	01.00-03.00; Sun., 04.30-06.30 also. Singapore (S.S.) ZHI. Mon., Web., Thurs.,				20	Eindhoven PCJ. Sun., 19.00—20.00; Mon., 00.00—01:00; Tues. 18.30—20.00; Thurs.,	
49.85	6.01	K.	23.00—01.30; SUN., 03.40—05.10.	-00		160	1	00.00-03.00.	
49.83	6.02	5-50	Bogotá (Colombia) HJ3ABH. Zeesen DJC. 17.00—21.30; 22.05—03.30.		31.27	9.59	20	Radio-Nations HBL. SAT., 10.30-11.15. Rome (Italy) 2RO.	
		(O.I	Panama City HP5B. 17.00—18.00; 01.00—		31.09	9.65	I	Sourabaya (Java) YDB. 09.30-14.30.	
49.75	6.03	0.1	03.30. Calgary (Alberta) VEoCA.		31.07	9.65	0.5	Lisbon CT1AA. TUES., THURS., 22.00-00.00 Lisbon (Portugal) CT1CT. THURS., 21.00—	
		[10	Boston (Mass.) WIXAL. Sun., 22.00-00.00.		3^	9.00	0.5	23.00.; SUN., 12.00—14.00.	
49.67	6.04	2.5	Mon., Tues., & Thurs., 00.00—02.00.		30.43	9.86	20	Madrid (Spain) EAQ. 22.15—00.30; SAT.,	
		3	Miami W4XB. 18.00—20.30; 23.30—06.00. Pernambuco PRA8. Daily, 20.00—00.30.		29.24	10.26	3	18.00—20.00 also. Bandoeng (Java) PMN. D'ly, 13.00—16.30.	
49.65	6.04	0.15	Barranquilla HJ1ABG. 23.00-03.00.		29.04	10.33	9	Ruysselede (Belgium) ORK. 18.30—20.00.	
49.6	6.05	0.5	Colombo (Ceylon). Daily, 13.30—16.30. *Daventry GSA.		28.01	10.71	20	Tokio (Japan) JVN. Bandoeng (Java) PLP.	
.,,,,,		[10	Cincinnati W8XAL. Daily, 12.30-02.00;		25.62	11.71	4	Medellin (Colombia)HJ4ABA. 23.30-03.30.	
49.5	6.06	10	05.00—08.00. Philadelphia (U.S.A.) W3XAU. 01.00-04.00.		25.6	11.72	2	Winnipeg CJRX. D'ly, 00.00-05.00; SAT., 21.00—06.00; Sun., 22.00—03.30.	
السوا		0.5	Skamlebaek (Denmark) OXY.				12	-Radio-Colonial (Paris) TPA4. 23.25-05.00.	
49.45 49.41	6.07		Manizales (Colombia)HJ4ABL. 22.30-00.30. Vienna Experimental OER2. Mon. to Fri.,		25.53	11.75	15	*Daventry GSD. Poděbrady (Prague) (Czechoslovakia) OLR.	
47.44	0.07	2.5	14.00—22.00; SAT., to 23.00.	, , ,	25.51 25.49	11.76	5-50		
49.33	6.08		Penang (S.S.) ZHJ. WEEKDAYS, 12.40-14.40.		25.45	11.79	10	Boston (Mass.) WIXAL. Daily (ex. SAT.	
49.31	6.08	0.5	Chicago (Ill.) W9XAA. D'ly, 15.00—01.00. Nairobi (Kenya) VQ7LO. Sun., 16.00-19.00.		25.4	11.81	25.	& Sun.), 22.30—23.30. Rome (Italy) 2RO. Daily, 13.15—14.00;	
			Mon.toFri.,10.45-11.15;16.30-19.30.Tues.				- NO.	14.15-16.00; 17.00-18.00; 18.45-22.15.	
49.3	6.08	0.1	& Thurs., 13.30-14.30. SAT., 16.00-20.00. Cali (Colombia) HJ5ABD. 00.00—03.00.		25.38	11.82	15 1	*Daventry GSN. Wayne (N.J.) W2XE. 23.00-03.00.	
49.26	6.09	0.5	Bowmanville (Canada) CRCX. Daily,		25.36	11.83	2	Lisbon (Portugal) CT1AA. TUES., THURS.,	
49.2	6.10	5	Johannesburg (S.A.) ZTJ. Experimental.		25 20	11.86	Te .	SAT., 21.30—00.00. *Daventry GSE.	
77	0.20	(35	Bound Brook (N.J.) W3XAL. MON., WED.,		25.29 25.27	11.87	40	Pittsburgh W8XK. 22.00-03.00.	
49.18	6.10	10	SAT., 22.00—06.00. Chicago (Ill.) W9XF. 01.00—06.00.		25.23	11.88	12	Radio-Colonial (Paris) TPA3. 06.00—09.00;	
		I	Belgrade (Yugoslavia).		25	12.00	20	22.30—23.00, Moscow RNE. D'ly (ex. Sun. & WED.),	,,,,,,,,
49.15	6.10	0.3	Manizales (Colombia) HJ4ABB. 01.00-04.00			0		17.30—22.00; SUN. & WED., 11.00—22.00.	**
49.1	6.11	0.5	*Daventry GSL. Calcutta (India) VUC. D'ly, 07.06—08.06;		24.83	12.08	0.5	Lisbon (Portugal) CT1CT. SUN., 14.00—16.00; THURS., 20.00—21.00.	
	6		Irreg., 13.06—16.36: SUN., 04.36—07.36.		24.52	12.23	7.5	Reykjavik (Iceland) TFJ. Sun., 18.40-19.30.	
49.05 49.02	6.11	I	Poděbrady (Prague) (Czechoslovakia) OLR. Wayne (N.J.) W2XE. 03.00—04.00.		24.2	12.40	0.35	Paiede (Portugal) CT1GO. Sun., 15.00—16.30; Tues., Thurs., Fri., 18.00-19.15.	, og a
.,			Havana (Cuba) COCD. 23.00-05.00.		22	13.63	IO	Warsaw (Poland) SPW. Mon., WED., FRI.,	
48.92	6.13	0.2	Halifax (Nova Scotia) VE9HX. Daily, 14.00—18.00; 22.00—04.00. FRI., 18.00		20.04	14.97	7	16.30—17.30. Sofia (Bulgaria) LZA. 05.00—21.30.	
0.01		1	-20.00. SAT. and SUN., 19.00-04.00.		19.85	15.11		Zeesen DJL. 14.00—15.00; 21.50—03.45.	
48.86	6.14	10	Pittsburgh W8XK. 03.00—06.00. Winnipeg CJRO. Daily, 00.00—05.00;		19.84	15.12	IQ :	Vatican City HVJ. Daily, 15.30—15.45. *Daventry GSF.	
48.78	6.15		SAT., 21.00-06.00; SUN., 22.00-03.30.		19.8	15.16	20	Tokio (Japan) JZK. D'ly 05.00-06.00;	
40.76	0.15	0.5	Lisbon (Por.) CSL. 12.00-14.00; 17.00-00.00. Caracas (Venez.). YV3RC. 20.30—01.30.					Mon. & Thurs., 21.00—22.00; Tues. &	
48.4	6.20	5	Parede (Portugal) CT1GO. Sun., 16.30—		19.76	15.18	10	*Daventry GSO.	
	6.22		18.00. Daily (ex. Tues.), 00.20—01.30. Trujillo City HIZ. Daily, 21.40—22.40.		19.74	15.20		Zeesen DJB. 13.00—16.30; 17.30—07.00. Pittsburgh W8XK. 15.00—01.00.	
47.05	6.32	• •	Caracas (Venez.) YV4RC. 21.30-03.30.		19.72	15.21	20	Eindhoven PCJ. Exp. Sun., 12.00—16.00;	
46.86	6.41	0.5 I	San Jose (Costa Rica) TIPG. 22.00—04.00.					Tues., 09.30—11.00; WED., 13.00—16.00. Poděbrady (Prague) (Czechoslovakia) OLR.	
46.52	6.45				19.69	15.23	12	Radio-Colonial (Paris) TPA2. 11.00—16.00.	
45.31	6.62				19.66	15.26	10	*Daventry GSI.	
45 42. 3 6	7.08		Georgetown (British Guiana) VP3MR. Sun.,		19.65	15.27	I 5-50	Wayne (N.J.) W2XE. 18.00—23.00. Zeesen (Germany) DJQ. 04.30—06.00.	
			12.45—15.15. W'KD'YS, 21.45—01.45.		19.62	15.29	5	Buenos Aires LRU. 12.00—22.00.	
38.48 36.5	7.78 8.21		O'. (P I) HOID D'I (Maria)		19.60	15.31	18	*Daventry GSP. Schenectady W2XAD. Daily, 16.00—21.45.	
			17.15—19.00 ; 00.00—04.00.		19.56	15.34	5-50	Zeesen (Germany) DJR.	
34.29	8.75 9.12	0.5	TO I CALL I VALVE CI		19.52	15.37	20	Budapest (Szekesfehervar)(Hungary)HAS3. Sun., 14.00—15.00.	
31.8	9.43		Havana (Cuba) COCH. 16.00-17.00; 22.00		16.89	17.76	5-50	Zeesen (Germany) DJE: 13.00-16.30.	
31.58	9.50	5	-23.00; 01.00-02.00. Rio de Janeiro PRF5. 21.15-23.00.		16.88	17.77	23	Huizen (Holland) PHI. Sun., 13.00—16.00; Mon., Thurs., Fri., Sat., 12.30—14.30.	
		f 15	*Daventry GSB.	/	16.87	17.78	35	Bound Brook W3XAL. 14.00—22.00.	
31.55	9.51	1.5	Melbourne VK3ME. 09.00-12.00 (ex. Sun.).		16.86	17.79	10	*Daventry GSG.	
31.51	9.52	20 (I	Moscow (U.S.S.R.) RAN. Jelöy LKJ1. 10.00—13.00; 16.00—23.00.		15.93	18.83	60	Bandoeng (Java) PLE. Bandoeng (Java) PMA.	
27.40	0.50	30	Schenectady (N.Y.) W2XAF. 22.00-06.00.		13.97	21.47	IO	*Daventry GSH.	
31.48	9.53	20	Tokio JZI. D'ly, 05.00—05.00; MON. and THURS., 21.00—22.00; TUES. and		13.94	21.52	I	Wayne (N.J.) W2XE. 12.30—18.00. *Daventry GSJ.	
27.43	0.71	(FRI., 19.00—20.00.			21.54	40	Pittsburgh W8XK. 13.00—15.00.	
-31.45	9.54	5-50	Zeesen DJN. 08.45—12.15; 22:05—03.30. 1.				For tra	nsmission times see Short-Wave Programmes.	

Short-Wave Programmes

All times are given in G.M.T.

						_	
	0 0	220		Call		mc/s	m.
			Revkjavik (Iceland)	TFJ		12.23	24.52
GSB	9.51			PR F5		9.50	31.58
GSC	9.58	31.32	Rio de Sanciio (Brazii)	1 161 5	(10)		25.4
GSD	11.75	25.53	Rome (Italy)	2RO			31.13
GSF	15.14	19.82	Dungalada (Polaium)	OPK	((0)		29.04
	21 47	13.97				10.55	25.01
					(-)	15 22	19.57
			U.S.A.)	WZXAD	(4)	13.33	19.51
			Schenectady (New York,				
			U.S.A.)	W2XAF	(b)	9.53	31.48
			Skamleback (Denmark)	OXY		6.06	49.5
((0)				171		14.07	20.04
			Solia (Bulgaria)	LZA		14.97	
((a			Suva (Fiji)	VPD2		9.54	31.45
			N. C. Clarka	373/1	(a)	15.12	19.84
	, , , , , ,		Vaucan City (Italy)	HAL	(b)	5.97	50.26
1			Warsaw (Poland)	SPW '		13.63	. 22
PHI	17.77	16.88					31.38
TPA2 ((a)							19.74
							25.49
			Zeesen (Germany)	DJE		17.76	16.89
			Zeesen (Germany)	DIL		15.11	19.85
			Zeesen (Germany)	DJN		9.54	31.45
							19.63
HBL (7.39	-31.21	Zeesen (Germany)	230		10,20	17.03
	GSD GSF GSH GSI GSO GSP WIXAL { (a) (b) HAS3 (a) HAT4 (b) dd PCJ { (a) (b) dd PHI TPA2 { (d) TPA3 { (d) TPA4 { (d) TPA4 { (d) W8XK { (b)	GSB 9.51 GSC 9.58 GSD 11.75 GSF 15.14 GSH 21.47 GSI 15.26 GSO 15.18 GSP WIXAL {(a) 11.79 WIXAL {(a) 15.31 HAT4 (b) 9.12 PCJ {(a) 15.20 John Martin Ma	GSB 9.51 31.55 GSC 9.58 31.32 GSD 11.75 25.53 GSF 15.14 19.82 GSH 21.47 13.97 GSI 15.26 19.66 GSO 15.18 19.76 GSP 15.31 19.60 WIXAL { (a) 11.79 25.45	GSB 9.51 31.55 GSC 9.58 31.32 GSD 11.75 25.53 GSF 15.14 19.82 GSH 21.47 13.97 GSI 15.26 19.66 GSO 15.18 19.76 GSP 15.31 19.60 WIXAL { (a) 11.79 25.45 (b) 6.04 49.67 HAS3 (a) 15.37 19.52 HAT4 (b) 9.12 32.88 PCJ { (a) 15.20 19.71 (b) 9.59 31.28 PHI 17.77 16.88 PCJ { (a) 15.20 19.71 (b) 9.59 31.28 PHI 17.77 16.88 TPA2 { (a) 15.21 19.72 (c) 11.72 25.6 (c) 11.72 25.67 (c) 6.14 48.86 (DC grmany) WXXK { (b) 11.87 25.27 (c) 6.14 48.86 (DC grmany) WXXK { (b) 11.87 25.27 (c) 6.14 48.86 (DC grmany) WXXK { (c) 11.72 25.27 (c) 6.14 48.86 (DC grmany) Zeesen (Germany) Zeesen (Germany)	Call mc/s GSB 9.51 31.55 GSC 9.58 31.32 GSD 11.75 25.53 GSF 15.14 19.82 GSH 21.47 13.97 GSI 15.26 19.66 GSO 15.18 19.66 GSO 15.18 19.66 GSO 15.31 19.60 WIXAL { (a) 11.79 25.45 (b) 6.04 49.67 (b) 9.12 32.88 PCJ { (a) 15.20 19.71 (b) 9.59 31.28 (c) 15.24 19.68 TPA3 { (b) 11.88 25.23 TPA4 { (c) 11.72 25.66 (c) 11.72 25.67 (c) 6.14 48.86 HBP { 7.78 38.48} HBP { 7.78 38.48} Reykjavik (Iceland)	Call mc/s GSB 9.51 31.55 GSC 9.58 31.32 GSD 11.75 25.53 GSF 15.14 19.82 GSH 21.47 13.97 GSI 15.26 19.66 GSO 15.18 19.76 GSP 15.31 19.60 WIXAL { (a) 11.79 25.45 (b) 6.04 49.67 HAS3 (a) 15.37 19.52 HAT4 (b) 9.12 32.88 PCJ { (a) 15.20 19.71 (b) 9.59 31.28 PHI 17.77 16.88 TPA3 { (b) 11.88 25.23 TPA4 { (c) 11.72 25.6 WSXK { (a) 15.24 19.68 TPA3 { (b) 11.88 25.23 TPA4 { (c) 11.72 25.6 (a) 15.21 19.72 W8XK { (b) 11.87 25.27 (c) 6.14 48.86 HBP { 7.78 38.48} Reykjavik (Iceland) TFJ Rio de Janeiro (Brazil) PRF5 Rome (Italy) QRC { (a) (b) QRC York, U.S.A.) W2XAD (a) Schenectady (New York, U.S.A.) Schenectady (New York, U.	Call mc/s GSB 9.51 31.55 GSC 9.58 31.32 GSD 11.75 25.53 GSF 15.14 19.82 GSH 21.47 13.97 GSI 15.26 19.66 GSO 15.18 19.76 GSP 15.31 19.60 WIXAL { (a) 11.79 25.45 (b) 6.04 49.67 (b) 9.12 32.88 PCJ { (a) 15.20 19.71 (b) 9.59 31.28 (c) 15.24 19.68 TPA3 { (b) 11.87 25.27 W8XK { (b) 11.87 25.27 W8XK { (b) 11.87 25.27 (c) 6.14 48.86 HBP } 7.78 38.48

*Electrical Recordings, †Gramophone Records.

SUNDAY, November 1 EMPIRE

The Empire programmes are printed in outline for the convenience of over-seas readers.

The Tokio programmes did not arrive in time for inclusion in this number.

Transmission 1 (GSO, GSB), 07.15— Big Ben, Service.* 08.06—Or-chestra. 08.55-09.20—Newsletter,

Big Ben. Service.

chestra. 08,55-09.20—Newsletter,
Sports Summary.

Transmission 2 (GSH, GSF), 11.00—
Big Ben. Military Band, Norman
Allin (Bass). 12.00—Talk on
Shipping.* 12.20—Alfred Cortot
(Pftc.)+ 12.30—Orchestra. 12.55—
Newsletter, Sports Summary.
13.20—Music.+ 13.25—Service.*
13.40-13.45—Envoi.†

Transmission 3 (GSH, GSF, GSB),
14.00—Big Ben. Rispah Goodacre
(Contralto). 14.20—Military Band.
15.00—Talk on Shipping.* 15.20—
Pau Casals (Cello).† 15.30—
Service.* 16.20—Cecil Dixon (Pftc.).
16.30—Newsletter, Sports Sum-

Pau Casals ('Cello).† 13:20
Service.* 16.20—Cecil Dixon (Fte.).
16.30—Newsletter, Sports Summary. 16.55-17.00—Envoi.†
Transmission 4 (17.15-21.00 GSI, GSD, GSB), 17.15—Big Ben. Musical Comedy.† 17.40—Talk. 18.00—Newsletter, Sports Summary. 18.20—Band, Harold Bradbury (Tenor). 19.00—Coronel and Falkland Islands. 19.50—Music.† 19.55—Service. 20.45—Ruth Pearl (Violin). 21.00—Newsletter, Sports Summary. 21.20—Orchestra. 22.10—Short Story. 22.30-22.45—Epilogue.

22.10—Short Story. 22.30-22.43—
Epilogue. 5 (GSP, GSD, GSC),
23.00—Big Ben. String Quartet.
23.25—Pfte. Recital† 23.30—
Service.* 00.20—Helen Alston (Pfte.). 00.40-01.00—Newsletter,

Service.* 00.20—Helen Alston (Pfte.) 00.40-01.00—Newsletter, Sports Summary.

Transmission 6 (GSD, GSC), 02.00—Big Ben. Service.* 02.16—Silver Band. 03.05—Talk on Shipping.* 03.25—Records.† 03.40-04.00—Newsletter, Sports Summary.

BOSTON, (b) 22.00-00.00—Talks on Football, Books, Science; Events; Reviews; Music.

BUDAPEST, (a) 14.00—Choir; News; Anthem. (b) See 14.00—Elly Hellow (b) See 14.00—For Asia: Music; Political Review by Paul de Waart; Mission News; Music; Talk; News. 13.00—Call; Talk. 13.25—Music. 13.55—Report by Han Hollander from the Amsterdam Stadium: The International Football Match, Hollander

Report by Han Hollander from the Amsterdam Stadium: The International Football Match, Holland v. Norway; Music. '15:55-16:00— Music. (b) 19:00-20:00—For Africa: See 12:00.

HUIZEN, 13:00—Anthem; Call; Talk. 13:25—Music. 13:55—Report by Han Hollander from the Amsterdam Stadium: The International Football Match, Holland v. Norway Music. 15:55-16:00—Music

w. Norway Music. 15.55-16.00—
Music
MOSCOW, (a, c) 11.00—Talks
(Eng.). 12.00—French Programme.
13.00—Talk (Dutch). 15.00—Talks
(Eng.). 17.30—Con^cert. 20.00—
German Programme. 21.05—Talks
(Eng.). 22.00—Talks (Ger.).
(b) 23.00—Talk (Sp.). 00.00—News
for the Americas (Eng., Ger.).
PARIS(Radio-Colonial), (a, b.) 07.00—
News; Records; Topical. (b)

07.55—Records. 08.30—Topical; Records. 09.15—News. 09.45—News (Eng.). (a) 10.55—Notes. 11.00—Concert; at 12.00—News (Eng.). 12.30—Records. 12.45—News. 13.15—Concert. 14.00—Reviews. 14.20—Markets. 14.30—Reviews. 14.20—Markets. 14.30—Records. 12.45—News; Talk. 18.00—News (Arabic); Records. 19.30—News (Eng., It., Fr.). 20.30—To be announced. (b) 17.15—News; Records. 19.30—News (Eng., It., Fr.). 20.30—To be announced. 22.40—News (Port.). (c) 23.15—Concert. 00.15—News (Fr., Sp.). 01.00—News (Eng.). 01.15—Play on Records. 07.45—News. 04.20—News (Eng., Sp.). 04.40—Records or Play. 05.45—News (Ger.).

04.40—Records or Play. 05.45—
| News (Ger.). 05.45—
| News (Ger.). 0. 14.00—For Children. 15.00—Southernaires. 15.30—Strings. 15.52—Presbyterian Church. 17.00—American Youth. 17.30—Music Hall. 18.30—Christian Endeavour. 18.45—Concert Echoes. 18.55—Programmes. 19.00—R.C.A. Magic Key. 20.00—Our Neighbours. 20.30—Orchestra. 21.00—Shadyside Church. 22.00—We, The People. 22.30—Stoopnagle. 23.00—Bulletin. 23.15—Thank you, Stusia. 23.30—Polities; Music. 23.45—Quartet. (b) 00.00—Variety. 02.15—Paul Whiteman. (c) 03.00—Edwin C. Hill. 03.30—Y.M.C.A. 04.00—Organ; Sports. 04.15—Missionary Broadcast. 05.00-06.00—Orchestras. REYKJAVIK, 18.40—Call (Eng.);

Broadcast. 05.00-06.00—Orchestras. REYKJAVIK, 18.40—Call (Eng.); Music; Address and Talk (Eng.); News (Eng., Ice.). 19.05-19.30—Call and Address (Ger.); Music; Talk and News (Ger.). ROME, (a) 13.15-13.55—Songs and Music. 16.30-17.30—News; Band; Poems. 19.05-22.15—From Rome (420.8 m.).

Poems, 19.05-22.15—From Rome (420.8 m.).

RUYSSELEDE, 18.30—Records, 19.00—From Brussels 2. 19.30—News (Flem., Fr.).

SCHENECTADY, (a) 15.00—Reveries. 15.30—South Sca Islanders. 16.00—News; Two Pftes. 16.15—Trio. 16.30—Musical Comedy Revue. 17.00—International Salute to NBC. 17.30—Chicago University Discussion. 18.00—Soprano. 18.45—Serenade. 19.00—Beneath the Surface. 19.30—Mysteries. 20.00—Metropolitan Opera Auditions. 20.30—Grand Hotel. (b) 21.00—Variety. 22.00—Soprano. 22.30—Ed. McConnell. 23.00—Roman Catholic Hour. 23.30—A Tale. 00.00—Jack Benny. 00.30—Familiar Music. 03.00—Concert. 04.00-05.00—Orchestras; at 04.30—News. SKAMLEBAEK, 16.00-17.20 and 18.00.23.30—From Kalundberg.

SKAMLEBAEK, 16.00-17.20 and 18.00-23.30—From Kalundborg, SOFIA, 05.00-21.30—From Sofia (352.9 m.).

SOPIA, 05.00-21.30—From Sona (352.9 m.).

VATICAN CITY, (b) 10.00—For Invalids (Latin, Fr.).

ZEESEN (DJA, DJB), 05.05—Call (Ger., Eng.); Music. 06.00—News; Music. 07.00—News (Eng.). 07.15—Opera Arias. 08.45—Talk: The German Sugar Industry. 09.00—Folk Music. 09.15—Songs (Neumeyer). 09.30—News. 09.45—Violin Sonata in G (Beethoven).

ZEESEN (DJA, DJB, DJE, DJQ), 10.55—Call (Ger., Eng.). 11.00—Light Music; at 12.00—News (Eng.).

-Meditation. 13.30—For Miler Youth. 13.45—Pfie. Varianous (Brahmis): 14.00—News (Eng., Dutch). 14.15—Wagner. 15.30—16.00—For Women.

ZEESEN (DJD, DJL, DJC), 11.00—13.00—Orchestra. 16.35—Call (Ger., Eng.); Band. 17.15—News. 17.30—"Sunday." 17.45—For Children. 18.00—Concert. 19.00—News (Eng.). 19.15—Variety. 20.00—Newocmers. 20.45—Sports. 21.00—News (Ger., Eng.).

21.00—News (Ger., Eng.).

ZEESEN (DJA, DJN), 16.10-17.25—Symphony Concert. 21.50—Call (Ger., Sp., Port.). 22.00—For Children. 22.30—Folk Music. 22.45—News. 23.00—"Sunday." 23.15—Concert. 00.15—News (Sp., Port.). 01.15—Sports. 01.30—Band; at 02.00—News. 03.30—News (Sp., Ger., Port.).

ZEESEN (DJD, DJC), 21.50—Call (Ger., Eng.). 22.00—For Children. 22.30—Folk Music. 22.45—News. 23.00—"Sunday." 23.15—Concert. 00.15—Sports. 00.30—Variety. 01.45—News (Eng.). 01.30—Band; at 02.00—News. 03.30—News (Sp.).

at 0 (Sp.).

MONDAY, November 2 EMPIRE

ransmission I (GSO, GSB), 07.15— Big Ben. Novelty Quintet.* 07.46— Banjo Recital. 07.55—Science Talk.* 08.15—Talk.* 08.55-09.15—News.

Banjo Recital. 07.55—Science Talk.* 08.15—Talk.* 08.55-09.15—News.

Transmission 2 (GSH, GSF), 11.00—Big Ben. "D'ye Ken John Peel?"*

11.32—"Empire Exchange." 11.47—Band. 12.15—Murray Ashford and Edgar Sawyer (Entertainers). 12.25—Orchestra. 13.00—News. 13.20-13.45—Dance Music.*

Transmission 3 (GSH, GSF, GSB), 14.00—Big Ben. Orchestra. 13.00—News. 13.20-13.45—Dance Music.*

Transmission 3 (GSH, GSF, GSB), 14.00—Big Ben. Orchestra. 14.30—Reading. 14.45—Coon Songs.† 14.55—Talk.* 15.35—Janet Howe (Contratto), Frederick Yeo (Tenor). 16.00—Frederick Grinke (Violin). Dorothy Manley (Pfte.). 16.30—News. 16.50-17.00—Dance Music.† Transmission 4 (17.15-21.00 GSI, GSD, GSB; 21.05-22.45 GSF, GSD, GSB, 17.15—Big Ben. "Empire Exchange."* 17.32—Octet, Percy Manchester (Tenor). 18.00—News. 18.40—Orchestra, Oda Slobodskaya (Sop.). 19.20—"Entertainment Parade." 20.00—Quintet.* 20.30—Recital. 21.00

—News. 21.20—Glyn Townley-Williams (Pfte.). Joseph Pessac (Violin). 21.53-22.45—Coronel and Falkland Islands.*

Transmission 5 (GSP, GSD, GSC), 23.00—Big Ben. "Empire Exchange."* 23.17—Virginia McLean (Pfte.). 23.30—Musical Play.*
00.30—Edward Walker (Flute). 00.40-01.00—News.

00.40-01.00—News.

Transmission 6 (GSD, GSC), 02.00—
Big Ben. "D'ye Ken John Peel?"*
02.31—Organ. 03.05—"Empire Exchange."* 03.20—Violin Recital.
03.40-04.00—News.

BOSTON (d) 23.00—News. (b) 00.00-01.15—Course in Modern Radio.

EINDHOVEN, (b), 00.00-01.00--For the Americas: Music; Political Review by Paul de Waart; Mission News; Music; Talk; Notes.

HUIZEN, 12.30—Anthem; Call, 12.35 —Music. 12.40—News; Music. 13.15—Mail. 13.40—French Music. 14.00—Sports. 14.20-14.30—Dance

MUSIC.

MOSCOW, (a, e) 17.39—Concert.
20.00—Talk (Gcr.). 21.05—U.S.S.R.
Review (Eng.). 22.00—Talk (Hung.).
(b) 23.00—Talk (Sp.). 00.00—
News for the Americas (Eng.).

(b) 25.00—1alk (Sp.). 00.00—
News for the Americas (Eng.).

PARIS (Radio-Colonial), (a, b) 07.00
—News; Records; Review. (b)
07.55—Records. 08.30—Talk; Records. 09.15—News. 09.45—News
(Eng.). (a) 10.55—Notes. 11.00—
Concert; at 12.00: News (Eng.); and at 12.45: News. 14.00—Talks. 14.20—Markets. 14.30—Concert.
(b) 17.15—News (Fr., Arabic). 18.00—Concert; at 18.30: News; Review. 19.30—News (Eng., It., Fr.). 20.30—To be announced. 22.40—News (Port.). (c) 23.15—Concert. 00.15—News (Fr., Sp.). 01.00—News (Eng.). 01.15—Records or Play. 03.45—News. 04.20—News (Eng.). 01.54—News (Grag.). PITTSBURGH, (a) 14.00—Breakfast

—News (Eng., Sp.). 04.40—Records or Play. 05.45—News (Ger.)

PITTSBURGH, (a) 14.00—Breakfast Club. 14.30—Musical Clock. 14.45—Style and Shopping. 15.00—News; Music. 15.15—Jones. 15.30—Pepper Young. 15.45—Rhythm. 16.00—Herman and Banta. 16.15—Home. 16.30—Vic and Sade. 16.45—Edward MacHugh. 17.00—News. 17.15—Slim and Jack Gang. 17.30—Farm and Home. 18.30—Matinée. 19.30—Home Forum. 20.00—Manhatters. 20.30—Human Values. 20.45—Originalities. 21.00—Marguerite Padula. 21.15—P.T.A. 21.30—For Children; at 22.15: Dr. Clausen. 23.00—News. 23.30—Sports. 23.45—Lowell Thomas. (b) 00.00—Democratic Committee. 00.15—John B. Kennedy. 00.30—Variety. 02.00—Democratic Committee. (c) 3.45—Communist Committees. (c) 3.00—Singing Sam. 03.15—Republican Committee. 03.45—Communist Committee. 04.40—News; Bulletin. 04.15—Minstrels. 04.30-06.00—Orchestras; at 05.00 Shandor (Violin).

RADIO-NATIONS (Prangins), (a, b) 00.00-01.05—For Swiss Nationals Abroad. Hans Huber Memorial Programme. Italian-Swiss Folk Songs. Jaques-Dalcroze.

RIOGRAIMIC Hairlis Wiss Fork
Songs. Jaques-Dalcroze.

RIO DE JANEIRO, 22.30—News, 23.00—Talks (Eng., etc.),

ROME, (a) 13.15—News; Talks; Organ. 14.00-15.30—News (Eng.); Excerpts, Requiem Mass (Verdi); News. 16.30-17.30—News; Sacred Music. 17.40—Music and News (Arabic). 18.00—News (Ger.). 18.21—News (Eng.). 18.44—News (Fr.). 19.05-22.15—From Rome (420.8 m.). 22.59—American Hour from Rome. News (Eng., 1t.); Excerpt, Requiem Mass (Verdi); Talk; Organ; Mail.

RUYSSELEDE, 18.30—Records.

Excerpt, Requiem Mass (Verdi);
Talk; Organ; Mail.
RUYSSELEDE, 18.30 — Records.
18.45—From Brussels 1. 19.15—
Record. 19.30—News (Flem., Fr.).
SCHENECTADY, (a) 14.55—News.
15.00—Mrs. Wiggs of the Cabbage
Patch. 15.15—John's other Wife.
15.30—Palin Bill. 15.45—To-day's
Children. 16.00—David Harum.
16.15—Backstage Wife. 16.30—
Charm. 16.45—Experience. 17.00
—Girl Alone. 17.15—Mary Marlin.
17.30—Farm Programme. 18.00—
White (Tenor). 18.15—High Hatters. 18.30—Harding's Wife. 18.45
—Happy Jack. 19.00—Education
Forum. 19.30—Waltzes. 20.00—
Pepper Young. 20.15—Ma Perkins,
20.30—Vic and Sade. (b) 21.00—
For Women. 21.30—Republican
Committee. 21.45—Stocks. 22.00
—Nash (Tenor). 22.15—Tom Mix.
22.30—Jack Armstrong. 22.45—
Collegians. 23.00—Education. 23.15
—Gurney (Bass). 23.30—News;
Songs. 23.45—Three Scamps. 00.00
—Amos 'n' Andy. 00.15—Bridge.
00.30—Stocks. 00.50—News (Sp.).
01.00—Spanish Programme. 01.30
—Variety. 02.00—Warden E.
Lawes. 02.30-05.00—Variety.
SKAMLEBAEK, 18.00 till Close—
Kalundborg Programme.

Lawes. 02.30-05.00—Variety.

SKAMLEBAEK, 18.00 till Close—
Kalundborg Programme.

SOFIA, 17.00-19.45 — From Sofia
(352.9 m.).

SUVA, 05.30-06.30—Records.

VATICAN CITY, (a) 15.30—Religious
Notes (lt.). (b) 19.00—See 15.30.

Notes (It.). (b) 19.00—See 15.30.

WARSAW, 17.30-18.30—Music and News; Talk; Polish Music.

ZEESEN (DJA, DJB), 05.05—Call (Ger., Eng.); Music. 06.00—News (Ger.); Music. 06.55—Greetings to Australia. 07.00—News (Eng.). 07.15—Topical. 07.30—Orchestra. 08.30—Variety. 09.15—Sports. 09.30—News. 09.45—For Children.

ZEESEN (DJA, DJB, DJE, DJQ). 10.55—Call (Ger., Eng.); Music; at 12.00; News (Eng.). 12.55—

Greetings to the Far East. 13:00— News and Call (DJQ). 13:15— New Voices. 14:00—News (Eng., Dutch). 14:15—Topical. 14:30— "Fairy Tales"—with Music. 15:15— Concert. 15:45—Sports.

—Concert. 15.45—Sports.

ZEESEN (DJD, DJL, DJC), 16.35—
Call (Ger., Eng.); For Hiller Youth.
17.00—Pfte. 17.15—News; Reading. 17.45—Musical Grand Topr.
19.00—News (Eng.). 19.15—Topical.
19.30—Violin. 20.00—Music and Poetry. 20.45—Songs. 21.00—News. (Ger., Eng.).

Poetry. 20.45—Songs. 21.00—News. (Ger., Eng.).

ZEESEN (DJA, DJN), 21.50—Call (Ger., Sp.). 22.00—Topical. 22.15—Violin Sonata (Brahms). 22.45—News; Music. 00.15—News (Sp.). 00.30—Newcomers. 01.15—Topical. 01.30—Soprano. 01.45—For Girls. 02.00—News; Concert. 03.30—News (Sp., Ger.).

ZEESEN (DJD, DJC), 21.50—Call (Ger., Eng.). 22.00—Maria Scarbath (Coloratura-Soprano). 22.15—Sonata in A (Brahms) by Christa Richter (Violin). 22.45—News. 23.00—Musical Grand Tour. 00.15—Topical. 00.30—Newcomers. 01.15—News (Eng.). 01.30—Reading. 01.45—For Girls. 02.00—News; Music. 03.30—News (Sp.).

TUESDAY, November 3 EMPIRE

Transmission 1 (GSO, GSB), 07.15— Big Ben. Frank Merrick (Pfte.). 07.41—" Empire Exchange." * 07.56—Musical Play. * 08.55-09.15— News

News.
Transmission 2 (GSH, GSF), 11.00—
Big Ben. "Empire Magazine."
11.32—Szigeti (Violin).† 11.40—
Coronel and Falkland Islands.*
12.30—Brass Band, James Breakey
(Baritone). 13.00—News. 13.2013.45—Theatre Orchestra.
Transmission 3 (GSH, GSF, GSR)

15.43—Incatre Orenestra.
Transmission 3 (GSH, GSF, GSB),
14.00—Big Ben. Talk: "Foreign
Aflairs." 14.16—Adelaide Newman
(Pfte.) 14.30—Orchestra. 14.50—
Musical Play.* 15.50—Orchestra.
16.30—News. 16.50-17.00—Music.

Musical Play.* 15.50—Orchestra. 16.30—News. 16.50-17.00—Music. Transmission 4 (17.15-21.00 GSI, GSD, GSB; 21.05-22.45 GSF, GSD, GSB; 17.15—Big Ben. "Empire Magazine."* 17.47—Orchestra. 18.00—News. 12.0—Talk: "Foreign Affairs."* 18.35—May Blyth (Soprano). 19.00—Music.* 19.25—New Records. 20.00—Dance Band. 20.30—Peter Dawson (Bass-baritone). 21.00—News. 21.20—Science Talk. 21.40—Music.† 22.15—Bertha (Pfte.). 22.77-22.45—Talk: "Foreign Affairs."*
Transmission 5 (GSP, GSD, GSC), 23.00—Big Ben. Dance Music. 23.30—Talk: "Foreign Affairs."*
23.45—Glyn Eastman (Baritone). 00.00—C. H. Trevor (Organ), Eileen Andjelkovitch (Violin). 00.40-01.03—News.

— News.

Transmission 6 (GSD, GSC), 02.00—
Big Ben. Orchestra, Margaret Eaves
(Soprano). 03.00—Talk: "Foreign
Affairs."* 03.15—Dance Music.†
03.30—Murray Ashford and Edgar
Sawyer (Entertainers).* 03.40-04.00

Sawyer (Entertainers).* 03.40-04.00

-News.

BOSTON, (a) 23.00—News.

EINDHOVEN, (a) 09.30-11.00—Variety. (b) 18.30-20.00—Variety.

MOSCOW, (a) c) 17.30—Concert. 20.00—Talk (Ger.). 21.05—Talk (Dutch). 22.00—Talk (Swed.). (b) 23.00—Talk (Sp.). 00.00—News for the Americas (Eng.).

PARIS (Radio-Colonial), (a, b) 07.00—News; Records: Review. (b) 07.35—Records: Review. (b) 07.35—Records: 08.30—Topical; Records. 09.15—News. 09.45—News (Eng.). (a) 10.55—Notes. 11.00—Concert; at 12.00: News (Eng.). and at 12.45: News. 14.20—Markets. 14.30—"Le poignard malais"—Play after Bernard (d'Aragny); "Poète, prends ton luth" (Deval); Poems (Pichchon). 15.55—Exchange. (b) 17.15—News (Fr., Arabic). 18.00—Concert; at 18.30: News; Talk. 19.45—News (It.,Fr.). 20.30—"Boris Godunov" (Mussorgsky). 22.40—News (Port.). (c) 23.15—Music. 00.15—News (Fr., Sp.). 01.00—News (Eng.). 01.15—Records or Play. 03.45—News. 04.20—News (Eng., Sp.). 04.40—Records or Play. 03.45—News (Ger.).

PITTSBURGH, (a) 14.00—Breakfast Club. 14.45—Style and Shopping

News (Ger.).
PITTSBURGH, (a) 14.00—Breakfast Club. 14.45—Style and Shopping. 15.00—News; Mush. 15.15—Jones. 15.30—Pepper Young. 15.45—Rhythm. 16.00—Neighbour Nell. 16.15—Home. 16.30—Vic and Sade. 16.45—Edward MacHugh. 17.00—News. 17.15—Farm and Home. 18.30—Vaughn de Leath. 18.45—Slim and Jack Gang. 19.00

--Words and Music. 19.30—Home Forum. 20.00—Clubs. 20.15—Variety. 20.45—Have you heard? 21.00—Landt (Tenor). 21.15—Joan's Escorts. 21.30—Anne Muenchen. 21.45—Young Hickory. 22.00—For Children; at 22.15: Orchestra. 23.00—News. 23.15—Thank You, Stusia. 23.30—Baseball. 23.45—Lowell Thomas. (b) 00.00—Variety. (c) 03.00—Hildegard. 03.30—Harmony Portraits. 04.00—News; Bulletin. 04.15-06.00—Orchestras; at 05.00: Shandor (Violin).

RIO DE JANEIRO, 22.30—News. 23.00—Talks (Eng., etc.).

ROME. (a) 13.15—News; Talks 'Cello. 14.00-15.30—News (Eng. Chin.); Trio; Pfte.; Duets Celio. 14.00-15.30—News (Eng., Chin.); Trio; Pfte.; Duets; News. 16.30-17.30—News; Operetta Music. 17.40—Music and News (Arabic). 18.00—News (Ger.). 18.21—News (Eng.). 18.44—News (Fr.). 19.05-22.15—From Rome (420.8 m.). 23.20—Call (It. Sp., Port.); News; "Dafni"—Opera (Mulè); Talk; News (Sp., Port.).

RUYSSELEDE, 18.30—From Brussels 1. 19.00—Records. 19.30 — News (Flem., Fr.).

(Flem., Fr.).

SCHENECTADY, (a) 14.55—News.
15.00—Mrs. Wiggs of the Cabbage Patch. 15.15—John's other Wife.
15.30—Plain Bill. 15.45—To-day's Children. 16.00—David Harum.
16.15—Backstage Wife. 16.30—Mystery Chef. 16.45—Wife Saver.
17.00—Girl Alone. 17.15—Mary Marlin. 17.30—Arnold's Cadets.
17.45—Farm Programme. 18.15—High Hatters. 18.30—Harding's Wife. 18.45—Happ Jack. 19.00—NBC Music Guidt. 19.30—Rhythm.
20.00—Pepper Young. 20.15—Ma Perkins. 20.30—Vic and Sade.
(b) 21.00—Cheerio. 21.15—For Women. 21.30—Republican Committee. 21.45—Stocks. 22.00—While the City sleeps. 22.15—Tom Mix. 22.30—Jack Armstrong.
22.45—Orchestra. 23.00—Flying Time. 23.315—Hymns. 23.30—News; Mail. 00.00—Amos 'n' Andy. 00.15—Experience. 00.30—Sports. 00.50—News (Sp.). 01.00—Orchestra. 01.30—Spanish Programme. 20.200—Vox Pop. 02.30—Fred Astaire; Variety. 04.00—Sport Shots. 04.15-05.00—Orchestras. Fred Astaire; Variety. 04.00— Sport Shots. 04.15-05.00—Orches-

SKAMLEBAEK, 18.00 till Close— Kalundborg Programme. SOFIA, 17.00-19.45 — From Sofia (352.9 m.).

SUVA, 05.30-06.30-Records

VATICAN CITY, (a) 15.30—Redigious Notes (Eng.). (b) 19.00—See 15.30.

ZEESEN (DJA, DJB), 05.05—Call (Ger., Eng.); Music. 06.00—News; Music. 06.05—Greetings to New Zealand. 07.00—News (Eng.). 07.15—Topical. 07.30—Musical Grand Tour. 08.45—For Girls. 09.00—Sonata in A (Brahms) by Christa Richter (Violin). 09.30—News; Reading. 10.00—Songs.

Reading. 10.00—Songs.

ZEESEN (DJA. DJB, DJE, DJQ),
10.55—Call (Ger., Eng.); Music;
at 12.00: News: (Eng.), 13.00—News
and Call (DJQ), 13.15—Announsements. 14.00—News (Eng., Dutch).
14.15—Topical. 14.30—German
Lesson. 14.45—"Hunting"—Music
and Poetry. 15.30—Pfte. 15.4516.00—Chinese Songs.

ZEFSEN (DJD) DJL, DJC), 16.35—

16.00—Chinese Songs.

ZEESEN (DJD, DJL, DJC), 16.35—
Call (Ger., Eng.); For Women.
17.00—Soprano. 17.15—News;
Talk. 17.45—Opera Music. 19.00
—News (Eng.); Topical. 19.30—
Music. 20.30—Band. 21.00-21.20—
News (Ger., Eng.).

ZEESEN (DJA, DJN), 21.50—Call
(Ger., Sp., Port.). 22.00—Music
and Poems. 22.45—News; Opera
Music. 00.15—News (Sp., Port.).
00.30—Pfte. 00.45—For Women.
01.00—Songs (Schubert). 01.15—
Topical. 01.30—Band. 02.00—
News; Music. 03.30—News (Sp.,
Ger., Port.).

Ger., Port.).

ZEESEN (DJD, DJC), 21.50—Call (Ger., Eng.). 22.00—Music and Poetry. 22.45—News. 23.00—Opera Music. 00.15—Topical. 00.30—Prelude and Fugue for the Left Hand (Weweler). 00.45—For Women. 01.00—Songs (Schubert). 01.15—News (Eng.); Band. 02.00—News; Music. 03.30—News (Sp.). News (Sp.).

WEDNESDAY, Nov. 4

EMPIRE

Transmission 1 (GSO, GSB), 07.15— Big Ben. Chamber Music: Jean Pougnet (Violin), Anthony Pini ('Cello), Angus Morrison (Pfte.). Winifred Radford (Soprano). 08.00

Talk: "Foreign Affairs." \(\)

Organ Recital.

Transmission 3 (GSH, GSF, GSB), 14.00—Big Ben. "Tommy Tune's Tours." 14.22—John McCormack (Tenor).† 14.35—"Empire Exchange." 14.50—Band. 15.30—Kathleen Dunn Davies (Pfte.). 16.00—Music. 16.30—News. 16.50—17.00—Light Music.†

17.00—Light Music.†

Transmission 4 (17.15-21.00 GSI, GSD, GSB; 21.05-22.45 GSF, GSD, GSB, 17.15—Big Ben.

"Food for Thought." 17.37—
Dence Music. 18.00—News. 18.20—Arthur Jay (Baritone). 18.40—Variety. 19.00—Music. 19.20—The Story of the Telephone. * 20.00—George Parker (Baritone). 20.15—Symphon, Oxfrestra. 21.20—News. 21.40—The Story of the Telephone. * 20.00—George Parker (Baritone). 20.15—Symphon, Oxfrestra. 21.20—News. 21.40—The Story of the Telephone. * 20.10—Music.† 22.15—"Empire Exchange." * 22.10—2.30-22.45—Dance Music. Music.

Music.

Transmission 5 (GSP, GSD, GSC), 23.00—Big Ben. Laurence Holmes (Baritone). 23.10—Science Talk.*

23.30 — Ruth George (Mezzosoprano), David Wise (Violin), 00.00—Chamber Music. 00.40-01.00

Transmission 6 (GSD, GSC), 02.00– Big Ben. Orchestra, 02.30—"Foo for Thought."* 02.50—Coronand Falkland Islands. 03.40-04.00– News.

BOSTON, (a) 23.00-News EINDHOVEN, (a) 13.00-16.00-

MOSCOW, (a,c) 11.00—Talks (Eng.). 17.30 — Concert. 20.00 — Talks (Czech). 21.05 — Talks (Eng.). 22.00 — German Programme. (b) 23.00—Talks (Sp.). 00.00—News for the Americas (Eng., Ger.).

PARIS (Radio-Colonial), (a, b) 07.00— News; Records; Review. (b) 07.55—Records. 08.30—Topical; Records. 09.15—News. 09.45— News (Eng.). (a) 10.55—Pro-grammes. 11.00—Concert; at 12.00—News (Eng.); and at 12.45— News. 14.00—Books. 14.10— Economics. 14.20—Markets.

14.30—Symphony Concert. Conductor: Tomasi. 15.55—Exchange. (b) 17.15—News (Fr., Arabic). 18.00—Concert; at 18.30—News; 18.30—News (Books. 19.30—News (Eng., It., Fr.). 20.30—To be announced. 22.40—News (Port.). (c) 23.15—Concert. 00.15—News (Fr., Sp.). 01.00—News (Eng.). 01.15—Records or Play. 03.45—News. 04.20—News (Eng., Sp.). 04.40—Records or Play. 05.45—News (Ger.). ITTSBURGH. (a) 14.00—Breakfast

(Eng., Sp.). 04.40—Records or Play. 05.45—News (Ger.).

PITTSBURGH, (a) 14.00—Breakfast Club. 14.45—Style and Shopping. 15.00—News; Music. 15.15—Jones. 15.30—Pepper Young. 15.45—Rhythm. 16.00—Trail Finder. 16.15—Home. 16.30—Vic and Sade. 16.45—Edward MacHugh. 17.00—News. 17.15—Slim and Jack Gang. 17.30—Farm and Home. 18.30—Matinée. 19.30—Home Forum. 20.00—US. Mařine Band. 21.00 — Alma Kitchell. 21.15—Utility Hall. 21.30—Tune Twisters. 21.45—Young Hickery. 22.00—For Children; at 22.15—Men of the West. 23.00—News. 23.45—Lowell Thomas. (b) 00.00—Variety. (c) 03.00—Variety. 03.30—Town Meeting. 04.00—News; Music; Bulletin; Minstrels. 04.30-06.00—Orchestras; at 05.00—Shandor (Violin).

Orchestras; at 05.00—Shandor (Violin).

RIO DE JANEIRO, 22.30—News.
23.00—Talks (Eng., etc.).

ROME (a) 13.15—News: Talks;
Patriotic Songs. 14.00-15.30—
News (Eng.); Patriotic Songs;
Organ; Mezzo-Soprano; Tenor;
News. 16.20-17.30—News; Patriotic Songs;
Piedmontese and Neapolitan Songs. 17.40—Music and News (Arabic). 18.00—News (Ger.).
18.21—News (Eng.). 18.44—News (Fr.). 19.05-22.15—From Rome (420.8 m.). 22.59—American Hour from Rome; News (Eng., It.);
"Dafini"—Opera (Mulè); Talk; Songs.

Songs.

RUYSSELEDE, 18.30 — Records.
19.30—News (Flem., Fr.).

SCHENECTADY, (a) 14.55—News.
15.00—Mrs. Wiggs of the Cabbage
Patch. 15.15—John's other Wife.
15.30—Plain Bill. 15.45—To-day's
Children. 16.00—David Harum.
16.15—Backstage Wife. 16.30—
Charm. 16.45—Experience. 17.00—
Girl Alone. 17.15—Mary Marlin.
17.30—Farm Programme. 18.00—
White (Tenor). 18.15—High Hatters.

18.30—Harding's Wife. 18.45—Happy Jack. 19.00—Dr. Maddy's Band Lessons. 19.30—Dr. Soprano. 19.45—Old Refrain. 20.00—Pepper Young. 20.15—Ma Perkins'. 20.30—Vic and Sade. (b) 21.00—Orchestra. 21.30—Republican Committee. 21.45—Stocks. 22.00—Logan's Musicale. 22.15—Tom Mix. 22.30—Jack Armstrong. 22.45—Axton (Tenor). 23.00—Flying Time. 23.15—Dennis (Tenor). 23.00—Flying Time. 23.15—Dennis (Tenor). 23.30—News; Songs. 23.45—Bridge. 00.00—Amos 'n' Andy. 00.15—Uncle Ezra. 00.30—Sports; Stocks. 00.50—News (Sp.). 01.00—Latin-American Concert. 02.00—Town Hall. 03.00—Mit Parade. 04.00-05.00—Orchestras. SKAMLEBAEK, 18.00—till Closc—Kalundborg Programme.

SoFIA, 17,00-19.45 — From Sofia (352.9 m.).
SUVA, 05.30-06.30—Records.
VATICAN CITY, (a) 15.30—Religious Notes (Sp.). (b) 19.00—See 15.30.

WARSAW, 17.30-18.30—Programme in French: Music and News; Polish Music. In the interval: Talk.

ZEESEN (DJA, DJB), 05.05—Call (Ger., Eng.); Music. 06.00—News; Music. 07.00—News (Eng.). 07.15—Topical. 07.30—Newcomers. 08.15—Opera Music. 09.30—News. 09.45—Band.

Description of the state of the

ZEESEN (DJD, DJL, DJC), 16.35—
Call (Ger., Eng.); For Hitler Youth.
17.15—News; Books. 17.45—
Variety. 19.00—News (Eng.); Topical. 19.30—Concert. 20.15—
Chamber Music. 21.00—News (Ger., Eng.).

(Ger., Eng.).

ZEESEN (DJA, DJN), 21.50—Call (Ger., Sp.), 22.00—Songs. 22.45—News; Talk; Music. 00.15—News (Sp.). 00.30—Greetings (Sp.); Trio. 01.15—Topical. 01.30—For Youth. 02.00—News. 02.15—Musical Riddles. 03.30—News (Sp., Ger.).

ZEESEN (DJD, DJC), 21.50—Call (Ger., Eng.); Songs. 22.45—

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THURSDAY, Nov. 5

EMPIRE

Transmission 1 (GSO, GSB), 07.15— Big Ben. Cinema Organ. 07.45— "Food for Thought." 08.05— Dance Music. 08.35—"Fireworks for the Fifth 1" 08.55-09.15—News.

Transmission 2 (GSH, GSF), 11.00— Big Ben. Musical Play.* 12.02— Cinema Organ. 12.25—" Food for Thought." 12.45—Songs. 13.00— News. 13.20-13.45—Antonia Butler ('Cello).

Transmission 3 (GSH, GSF, GSB), 14.00—Big Ben. Welsh Songs. 14.30—Orchestra. 15.30—Talk: "Under Big Ben." 15.45—Band. 16.30—News. 16.50-17.00—Dance Music. †

16.30—News. 16.50-17.00—Dance Music.†

Transmission 4 (17.15-21.00 GSI, GSD, GSB), 71.55—Big Ben. "Fireworks for the Fifth 1" 17.37—Dance Music. 18.00—News. 18.20
—Military Band, Tudor Davies (Tenor). 19.00—Talk: "Under Big Ben." 19.15—Cedric Sharpe (Cello). 19.30—"Radio Pie." 20.15—Orchestra. 21.00—News. 21.20—Murray Ashford and Edgar Sawyer (Entertainers). 21.30—"Gunpowder Treason." 22.00—Light Music.† 22.15—Talk: "Under Big Ben." 22.30-22.45—Dance Music.

Transmission 5 (GSP, GSD, GSC), 23.00—Big Ben. Quintet. 23.30—"Empire Magazine." 00.00—Margaret Good (Pfle.). 00.15—Reading. 00.30—Instrumental Recital, 00.40-01.00—News. Transmission 6 (GSD, GSC), 02.00—Big Ben. Cinema Organ. 02.25—Tigh. 13.14—19.25—19.26—19.25—19.26—

tal. 00.40-01.00—News.
cansmission 6 (GSD, GSC), 02.00—
Big Ben. Cinema Organ. 02.25—
Talk: "Under Big Ben." 02.40—
Musical Play. 03.40-04.00—News. BOSTON, (a) 23.00-News.

EINDHOVEN, (b) 00.00-03.00-

Variety.

HUIZEN, 12.30—Anthem; Call; Music. 12.40—News. 12.55— 'Cello. 13.10—Talk. 13.30— 'Cello. 13.45—Music; Talk. 14.20-14.30—Dance Music.

MOSCOW, (a, c) 17.30—Concert. 20.00—Talk (Ger.). 21.05—Talks (Fr.). 22.00—Talks (Sp., Port.). (b) 23.00—Talk (Sp.). 00.00—News for the Americas (Eng.).

(b) 23.00—Talk (Sp.). 00.00—News for the Americas (Eng.).

PARIS (Radio-Colonial), (a, b) 07.00
—News; Records; Review. (b) 07.55—Records. 08.30—Review; Records. 09.15—News. 09.45—News (Eng.). (a) 10.55—Programmes. 11.00—Concert; at 12.00: News (Eng.). at 12.45: News. 14.00—Foreign Affairs. 14.10—Music Talk. 14.20—Markets. 14.30—Pfte., Violin, Vocal Quartet. 15.55—Exchange. (b) 17.15—News (Fr., Arabic). 18.00—Concert. 18.30—News; Talk. 19.00—Records. 19.30—News (Eng., 1t., Fr.). 20.45—Concert. 22.45—News (Port.). (c) 23.15—Concert. 00.15—News (Fr., Sp.). 01.00—News (Eng.); Talk. 01.30—Records or Play. 03.45—News (4.20—News (Eng., 5p.). 04.40—Records or Play. 05.45—News (Ger.).

04.40—Records or Play. 05.45—
News (Ger.).

PITSBURGH, (a) 14.00—Breakfast Club. 14.45—Style and Shopping. 15.00—News; Music. 15.15—Jones. 15.30—Pepper Young. 15.45—Rhythm. 16.00—Neighbour Nell. 16.15—Home. 16.30—Vic and Sade. 16.45—Edward MacHugh. 17.00—News. 17.30—Farm and Home. 18.30—Slim and Jack Gang. 18.45—Pen Women. 19.30—Home Forum. 20.00—Penna. Women. 20.15—Dance. 20.30—Light Opera Hour. 21.30—Anne Muenchen. 21.45—Young Hickory. 22.00—For Children; at 22.15: Bette Smiley. 23.00—News. 23.15—Thank you, Stusia. 23.30—Weather. 23.45—Lowell Thomas. (b) 00.00—Variety. 01.00—NBC Jamboree, 02.00—Union Station. 02.30—Orchestra. (c) 03.00—Tenth Anniversary Programme. 04.00—News; Bulletin. 04.15—Arm Chair Driver. 04.30-06.00—Orchestras; at 05.00: Shandor (Violin).

(Violin).

RIO DE JANEIRO, 22.30—News. 23.00—Talks (Eng., etc.).

ROME, (a) 13.15—News; Talks; Symphony Music. 14.00-15.30—News (Eng., Jap.); "Dafni"—Opera (Mulé); News. 16.30-17.30—News; Organ Jazz; Poems;

Songs. 17.40—Music and News (Arabic). 18.00—News (Ger.). 18.21—News (Eng.). 18.44—News (Fr.). 19.05-22.15—From Rome (420.8 m.). 23.30—Call (It., Sp., Port.); News; "Rigoletto" (Verdi); Topical; Songs; News (Sp., Port.).

RUYSSELEDE, 18.30—From Brussels 2. 19.30—News (Flem., Fr.).

RUYSSELEDE, 18.30—From Brussels 2, 19.30—News (Flem., Fr.).

SCHENECTADY, (a) 14.55—News. 15.00—Mrs. Wiggs of the Cabbage Patch. 15.15—John's other Wife. 15.30—Plain Bill. 15.45—To-day's 'Children. 16.00—David Harum. 16.15—Backstage Wife. 16.30—Dream Singer. 16.45—Wife Saver. 17.00—Girl Alone. 17.15—Mary Marlin. 17.30—Arnold's Cadets 17.45—Farm Programme. 18.15—High Hatters. 18.30—Harding's Wife. 18.45—Happy Jack. 19.00—Braggiotti and Sheffler with NBC Concert Orchestra. 19.15—Norsenen Quartet. 19.30—Soprano.and Orchestra. 20.00—Pepper Young. 20.15—Ma Perkins. 20.30—Vic and Sade. (b)21,00—Morrell's. 21.30—Republican Committee. 21.45—Stocks. 22.00—While the City sleeps. 22.15—Tom Mix. 22.30—Jack Armstrong. 22.45—Tune Twisters. 23.00—Flying Time. 23.15—Dennis (Tenor). 23.30—News; Stocks. 00.00—Amos 'n' Andy. 00.15—Experience. 00.30—Science Forum. 01.00—Royt Vallee, 02.00—Showboat. 03.00—Bing Crosby. 04.00—Sport Shots. 04.15-05.00—Orchestras.

SKAMLEBAEK, 18.00 till Close-Kalundborg Programme.

SOFIA, 17.00-19.45 — From Sofia (352.9 m.).

SUVA, 05.30-06.30-Records.

VATICAN CITY, (a) 15.30—Religious Notes (Fr.). (b) 19.00—See 15.30.

Notes (Fr.). (b) 19.00—See 15.30.

ZEESEN (DJA, DJB), 05.05—Call (Ger., Eng.); Music. 06.00—News; Music. 06.55—Greetings to Australia. 07.00—News (Eng.). 07.15—Topical. 07.30—For Women. 07.45—Songs (Schubert). 08.00—Ornetstra. 08.45—Concert. 09.30—News. 09.45—For Young People.

ZEESEN (DJA, DJB, DJP, DJQ), 10.55—Call (Ger., Eng.); Music; at 12.00: News (Eng.). 13.05—News and Call (DJQ). 13.15—Folk Songs and Dances. 14.00—News (Eng., Dutch). 14.15—Topical. 14.30—Variety. 15.45—Books.

cal. 14.30—Variety. 15.43—Books.

ZEESEN (DJD, DJL, DJC), 16.35—
Call (Ger., Eng.). 16.45—For Hitler
Youth. 17.00—Talk. 17.15—News;
Music. 18.00—Excerpts, "Wallensteins Tod" (Schiller). 19.00—
News (Eng.); Topical. 19.30—
Folk Songs; Band. 20.45—Talk.
21.00—News (Ger., Eng.).

21.00—News (Ger., Eng.).

ZEESEN (DJA, DJN), 21.50—Call (Ger., Sp.). 22.00—Topical. 22.15—Concert. 22.45—News; Talk. 23.15—Scenes, "Wallensteins Tod" (Schiller). 00.15—News (Sp.). 00.30—Folk Songs and Dances. 01.15—Topical. 01.30—For Youth. 01.45—Discussion (Sp.). 02.00—News. 02.15—Quartet. 03.30—News (Sp., Ger.). News (Sp., Ger.).

News (Sp., Ger.).

ZEESEN (DJD, DJC), 21.50—Call (Ger., Eng.); Books. 22.15—Music. 22.45—News; Talk, 23.15—Scenes, "Wallensteins Tod" (Schiller). 00.15—Topical. 00.30—Folk Songs and Dances. 01.15—News (Eng.). 01.30—For Young People. 01.45—Talk. 02.00—News. 02.15—Quartet. 03.30—News (Sp.).

FRIDAY, November 6 EMPIRE

Transmission 1 (GSO, GSB), 07.15— Big Ben. Arthur Catterall (Violin).† 07.25—Reading. 07.40—Orchestra. 08.40—Talk: "Under Big Ben."* 08.55-09.15—News.

Transmission 2 (GSH, GSF), 11.00— Big Ben. Songs.† 11.15—Talk: "Under Big Ben."* 11.30—Cinema Orchestra. 11.55—"Fireworks for the Fifth!"* 12.15—Pfte. solos (Paderewski).† 12.30—Dance Music. 13.00—News. 13.20-13.45—Operatic Arias.†

Arias.†

Transmission 3. (GSH, GSF, GSB),
14.00—Big Ben. Coronel and Falkland Islands.* 14.52—Bernard
Davis (Viola). 15.15—Science Talk.*
15.35—Scottish Dance Music. 16.00

—"What's the Odds?" 16.30—
News. 16.50-17.00—Hungaria
Gypsy Orchestra.

Transmission 4 (17.15-21.00 GSI, GSD, GSB; 21.05-22.45 GSF, GSD, GSB), 17.15—Big Ben. Music. 17.45—"Music of the Hours."* 18.00—News. 18.20—Music.† 18.25

-Recital. 19.00-Musical Play.*
20.00-" White Coons"; Harry S.
Pepper, Doris Arnold (Pfte.). 21.00
-News. 21.20-Stephen Wearing
(Pfte.). 21.40-Theatre Organ.
22.00-Talk. 22.20-22.45-Scottish
Dance Music.*

WORLD-RADIO

Transmission 5 (GSP, GSD, GSC), 23.00—Big Ben. Students' Songs.† 23.10—Talk.* 23.30—Symphony Concert. 00.30—Round and About. 00.40-01.00—News.

Transmission 6 (GSD, GSC), 02.00— Big Ben. "Empire Magazine." 02.31—Henry Bronkhurst (Pfte.). 02.40—Marines Band; Winifred Kaye (Contralto). 03.40-04.00—

BOSTON, (a) 23.00—News. (b) 00.00-02.00—"Poland "—Talks and Music.

HUIZEN, 12.30—Anthem; Call. 12.35—Music. 12.40—News; Music. 13.15—Talk; Music. 14.00— Talk. 14.20-14.30—Music.

MOSCOW, (a, c) 17.30—Concert 20.00—Talks (Czech.). 21.05—Talks (Eng.). 22.00—Talk (Ger.). (b) 23.00—Talk (Sp.). 00.00—News for the Americas (Eng., Ger.),

23.00—1alk (Sp.). 00.00—News for the Americas (Eng., Ger.),

PARIS (Radio-Colonial), (a, b) 07.00
—News; Records; Foreign Affairs. (b) 07.55—Records. 08.30—
Home Affairs; Records. 09.15—News. 09.45—News (Eng.). (a) 10.55—Notes. 11.00—Concert; at 12.00—News (Eng.); and at 12.45—News. 14.00—Talks. 14.20—Markets. 14.30—"Le devin du village "—Opéra-comique (Rousseau). 15.55—Exchange. (b) 17.15—News (Fr., Arabic). 18.00—Concert; at 18.30—News; Talk. 19.30—News (Eng., It., Fr.). 20.30—"Mary Tudor "—Play (Victor Hugo), from Paris (PTT). 22.40—News (Port.). (c) 23.15—Concert. 00.15—News (Fr., Sp.). 01.00—News (Eng.). 01.15—Records or Play. 03.45—News. 04.20—News (Eng.). 01.15—Records or Play. 03.45—News (Ger.).

PITTSBURGH, (a) 14.00—Breakfast

(Eng., 5p.). 194.40—Records of Play. 05.45—News (Ger.).

PITTSBURGH, (a) 14.00—Breakfast Club. 14.45—Style and Shopping. 15.00—News; Music. 15.15—Jones. 15.30—Pepper Young. 15.45—Rhythm. 16.00—Herman and Banta. 16.15—Home. 16.30—Vic and Sade. 16.45—Edward MacHugh, 17.00—News. 17.15—Slim and Jack Gang. 17.30—Farm and Home. 18.30—Home Forum. 19.00—NBC Music Appreciation Hour. 20.00—Davies (Baritone). 20.15—Soprano. 20.30—Variety, 21.15—Utility Hall. 21.30—Ensemble. 21.45—Young Hickory. 22.00—For Children; at 22.15—Dance. 23.00—News. 23.30—Baseball. 23.45—Lowell Thomas. (b) 00.00—Variety; at 00.15—John B. Kennedy. (c) 03.00—Radio Guide. 03.30—W.P. A. 04.00—News. 04.15—Minstrels. 04.30—Onches

Club.

RIO DE JANEIRO, 22.30—News.
23.00—Talks (Eng., etc.).

ROME, (a) 13.15—News; Talks;
Pfte. 14.00-15.30—News (Eng.).
Variety; Talk; Italian and Neapolitan Songs; News. 16.30-17.30—News; Choirs; Folk Songs.
17.40—Music and News (Arabic).
18.00—News (Ger.). 18.21—News (Eng.). 18.44—News (Fr.). 19.05-22.15—Erom Rome (420.8 m.).
22.59—American Hour from Rome.
News (Eng., It.); "Rigoletto" (Verdi); Talk; Songs.

RUYSSELEDE, 18.30—From Brussels I. 19.00—Records. 19.30—News (Flem., Fr.).

Seis 1. 19.00—Records. 19.30—News (Flem., Fr.).

SCHENECTADY, (a) 14.55—News. 15.00—Mrs. Wiggs of the Cabbage Patch. 15.15—John's other Wife. 15.30—Plain Bill. 15.45—To-day's Children. 16.00—David Harum. 16.15—Backstage Wife. 16.30—Charm 16.45—Experience. 17.00

—Girl Alone. 17.15—Mary Marlin. 17.30—Farm Programme. 18.00—White (Tenor). 18.15—High Hatters. 18.30—Harding's Wife. 18.45—Happy Jack. 19.00—NBC Music Appreciation Hour. 20.00—Pepper Young. 20.15—Ma Perkins. 20.30—Vic and Sade. (b) 21.00—For Women. 21.30—Republican Committee. 21.45—Stocks. 22.00—Rhythm. 22.15—Tom Mix. 22.30—Jack Armstrong. 22.45—Tenor. 23.00—Flying Time. 23.15— Rhythm, 22.15—Tom Mix. 22.30—Jack Armstrong. 22.45—Tenor. 23.00—Flying Time. 23.15—Norsemen Quartet. 23.30—News; Spanish Programme. 00.00—Armos 'n' Andy. 00.15—Bridge. 00.30—Stocks. 00.50—News (Sp.). 01.00—Concert. 01.30—Farm Forum. 02.00—Variety. 04.00—George R. Holmes. 04.15-05.00—Orchestra; Crawford (Orean) Holmes. 04.15-0: Crawford (Organ).

SKAMLEBAEK, 18.00 till Close-Kalundborg Programme.

SOFIA, 17.00-19.45 - From Sofia (352.9 m.). SUVA. 05.30-06.30-Records

VATICAN CITY, (a) 15.30—Religious Notes (lt.). (b) 19.00—Religious Notes (Ger.).

WARSAW, 17.30-18.30—Music; For Poles Abroad; Silesian Songs; Reading; Chopin.

ZEESEN (DJA, DJB), 05.05—Call (Ger., Eng.); Music. 06.00—News; Music. 06.55—Greetings to New Zcaland. 07.00—News (Eng.). 07.15—Topical. 07.30—Band. 08.30—Scenes, "Wallensteins Tod" (Schiller). 09.30—News; Music.

ZEESEN (DJA, DJB, DJE, DJQ), 10.55—Call (Ger., Eng.); Music; at 12.00—News (Eng.). 13.00—News and Call (DJQ). 13.15—Songs. 14.00—News (Eng., Dutch). 14.15 —Topical. 14.30—For Hitler Youth. 14.45—For Germans Ahroad. 15.00—Folk Songs. 15.15 Orchestra.

—Orchestra.

ZEESEN (DJD, DJL, DJC), 16.35—
Call (Ger., Eng.); For Women.
17.15—News; Talk. 17.45—Orchestra. 19.00—News (Eng.);
Topical. 19.30—"Die Frauen um
Liszt'"—Play with Music. 20.30—
Trio (Beethoven). 21.00—News
(Get., Eng.).

(Get., Eng.).

ZEESEN (DJA, DJN) 21.50—Call (Ger., Sp., Port.). 22.00—Talk. 22.15—Trio: Variations (Beethoven). 22.45—News; Variety. 00.15—News (Sp., Port.). 00.30—"Die Frauen um Liszt"—Play. 01:30—Topical. 01.45—Folk Songs. 02.00—News; Orchestra. 03.30—News (Sp., Ger., Port.).

News (Sp., Ger., Port.).

ZEESEN (DJD, DJC), 21.50—Call (Ger., Eng.), 22.00—Talk. 22.15—
Trio; Variations (Beethoven). 22.45

—News. 23.00—Variety. 00.15—
Topical. 00.30—"Die Frauen um Liszt "—Play. 01.30—News (Eng.). 01.45—Folk Songs. 02.00—News; Orchestra. 03.30—News (Sp.).

SATURDAY, Nov. 7 EMPIRE

Transmission 1 (GSO, GSB), 07.15— Big Ben. The Sea.† 07.50—Talk.* 08.10—Songs. 08.25—"What's the Odds?"* 08.55-09.15—News.

Transmission 2 (GSH, GSF), 11.00— Big Ben. Scottish Dance Music.* 11.25—Orchestra.111.55—" Tommy Tune's Tours."* 12.15—Peggy Male (Pfte.). 12.40—The Children's Hour. 13.25-13.45—News.

Transmission 3 (GSH, GSF, GSB), 14.00—Big Ben. "Empire Magazine." 14.31—Theatre Orchestra. 15.00—Theatre Organ. Music.* 15.55—Dance Music.* 16.30—News. 16.50-17.00—Songs.*

16.30—News. 16.50-17.00—Songs.†
Transmission 4 (17.15-21.00 GSI, GSD, GSB); 21.05-22.45 GSF, GSD, GSB), 17.15—Big Ben. The Children's Hour. 18.00—News. 18.25—Quintet; Linda Seymour (Soprano). 19.00—Dance Music. 19.30—"In Town To-night." 20.00—Jean Houston (Soprano), Alexander Carmichael (Baritone). 20.30—"What's the Odds?" 21.00—News. 21.20—Music Hall. 22.20—Announcements. 22.25-22.45—Dance Music.

Transmission 5 (GSP, GSD, GSC), 23.00—Big Ben. Dance Music. 23.30—"What's the Odds?"* 00.00 —Noel Coward.† 00.11—Welsh Songs.* 00.40-01.05—News.

Transmission 6 (GSD, GSC), 02.00— Big Ben. Arthur Fear (Baritone). 02.25—Talk. 02.40—Scottish Dance Music. • 03.05—" Fireworks for the Fifth! "• 03.25—" Two in a Bar,"• 03.40-04.05—News.

BOSTON, (a) 22.00—"Geology"— Talks and Sketch. 22.30—Talks (a) Basic English, (b) Books. 23.00—

HUIZEN, 12.30—Anthem; Call. 12.35—Troubadours. 12.40—News; Troubadours. 13.15—Newcomers. 13.30—Mail; Troubadours. 14.00 —News. 14.20-14.35—Troubadours.

MOSCOW, (a, c) 17.30 — Concert. 20.00—Talks (Ger.). 21.05—Talks (Fr.). 22.00—Talk (Sp.). (b) 23.00 —Talks (Sp.). 00.00—News for the Americas (Eng.).

PARIS (Radio-Colonial), (a, b) 07.00— News; Records; Review. (b) 07.55— Records. 08.30—Review; Records. 09.15—News (Fr.). 09.45— News (Eng.). (a) 10.55—Programmes. 11.00—Concert; at 12.00: News (Eng.), and at 12.45: News. 14.00—Talks. 14.20—Markets.

14.30—Light Music. 15.55—Exchange. (b) 17.15—News (Fr., Arabic), 18.00—Concert. 18.30—News; Review. 19.00—Records. 19.30—News (Eng., It., Fr.). 20.30—To be announced. 22.30—Topical; News (Port.). (c) 23.15—Concert. 00.15—News (Fr., Sp.). 01.00—News (Eng.). 01.15—Records or Play. 03.45—News. 04.20—News (Eng., Sp.). 04.40—Records or Play. 04.45—News (Ger.).

04.45—News (Ger.).

PITTSBURGH, (a) 14.00—Breakfast
Club. 15.00—News; Music. 15.15
—Strings. 15.30—Josh Higgins.
15.45—Originalities. 16.00—Sammy
Fuller. 16.45—Strings. 17.00—
—News. 17.15—Slim and Jack
Gang. 17.30—Farm and Home.
19.30—Ensemble. 20.00—High Hattels. 20.15—Gale Page. 20.30—
Orchestras. 21.30—Joan's Escorts.
21.45—Ensemble. 22.00—Cadets'
Quartet. 22.15—Timothy Makepeace. 22.30—Recreo; Y.M.C.A.
22.45—Ruth and Ross. 23.00—
News. 23.30—Baseball. 23.45—
Band. (b)00.00—Message of Israel.
00.30—Uncle Jim. 01.00—El Chico
Spanish Revue. 01.30—Orchestra.
01.45—Dr. Clausen. 02.00—Barn
Dance. (c) 03.00—Variety. 04.00—
News. 04.15-06.00—Orchestras.

RIO DE JANEIRO, 22.30—News. 23.00—Talks (Eng., etc.).

ROME, (a) 13.15—News; Talks; Organ. 14.00-15.30—News (Eng., Hind.); Trio; Light Music; News. 16.30-17.30—News: "Rigoletto" (Verdi). 17.40—Music and News (Arabic). 18.00—News (Ger.). 18.21—News (Eng.). 18.44—News (Fr.). 19.05-22.15—From Rome (420.8 m.). 23.20—Call (It., Sp., Port.). News; Band; Topical; News (Sp., Port.).

RUYSSELEDE, 18.30—Records. 19.30—News (Flem., Fr.).

19.30—News (Flem., Fr.).

SCHENECTADY, '(a) 14.55—News.
15.00—Charioteers. 15.15—Vass
Family 15.30—Manhatters. 16.00
—American Schools. 16.15—Sweet-hearts. 16.30—Mystery Chef. 16.45
—Sketch. 17.00—Chasin's Music
Series. 17.30—Farm Programme.
18.00—Stocks. 18.15—Concert Ensemble. 18.30—Miniatures. 19.00—
Orchestras. 20.00—Variety. 20.30—
Weekend Revue. (b) 21.00—Revue.
21.30—Continentals. 22.00—Blue
Room Echoes. 22.30—Kindergarten. '23.00—Orchestra. 23.30—
News; Contralto. 23.45—Art of
Living. 00.00—Football. 00.15—
Heinie's Grenadiers. 00.30—Stocks.
01.100—Variety. 04.00—Sport Shots.
04.15-05.00—Orchestras.

SKAMLEBAEK, 18.00 till Close-Kalundborg Programme.

SOFIA, 17.00-19.45 — From Sofia (352.9 m.).

SUVA, 05.30-06.30-Records.

VATICAN CITY, (a) 15.30—Religious Notes (It.). (b) 19.00—Religious Notes (Dutch).

ZEESEN (DJA, DJB), 05.05—Call (Ger., Eng.). 05.10—Concert; at 06.00: News. 07.00—News (Eng.). 07.15—Topical. 07.30—"Die Frauen um Liszt"—Play with Music, 08.30—Dance Music. 09.30—News. 09.45—For Women.

O9.43—FOF WOMEN.

ZEESEN (DJA, DJB, DJE, DJQ), 10.55—Call (Ger., Eng.); Music; at 12.00: News (Eng.), 13.00—News and Call (DJQ), 13.15—Trio Variations (Beethoven), 13.45—Legal Talk, 14.00—News (Eng., Dutch), 14.15—Topical, 14.30—Scenes, "Wallensteins Tod" (Schiller), 15.30—For Women,

ZEESEN (DJD, DJL, DJC), 16.35—Call (Ger., Eng.); Reading. 17.00—Reger Pfte. Music. 17.15—News; Baritone. 17.45—"Die Weltmeisterin "(Snaga). 19.00—News (Eng.); Topical. 19.30—Roving Microphone. 20.00—Ballet Suite (Sommerfeld). 21.00—News (Ger., Eng.).

merreid). 21.00—Rews (Ger., Eng.), ZEESEN (DJA, DJN), 21.50—Call (Ger., Sp.). 22.00—For Women. 22.30—Talk. 22.45—News. 23.00—"Die Weltmeisterin" — Operetta (Snaga). 00.15—News (Sp.). 00.30—Band. 01.15—Topical. 01.30—Variety. 02.00—News. 02.15—Dance Music. 03.30—News (Sp.; Ger.).

ZEESEN (DJD, DJC), 21.50—Call (Ger., Eng.), 22.00—For Women. 22.30—Legal Talk. 22.45—News. 23.00—"Die Weltmeisterin"—Operetta (Snaga). 00.15—Topical. 00.30—Band. 01.15—News (Eng.). 01.30—Roving Microphone. 02.00—News. 02.15—Dance Music. 01.30—News (Sp.). -News. 02.15-03.30-News (Sp.).

12 noon

BERLIN and MOST GERMAN STATIONS. Light Music.
FRANKFURT and DEUTSCHLAND-SENDER. Hauck Band.
HILVERSUM (1,875 m.), K.R.O. Orchestra. HILVERSUM (301.5 m.),
A.V.R.O. Orchestra. Songs.
MUNICH. Orchestra.
PARIS (PTT), Light Orchestral. 12.45

RADIO-PARIS, 12.15—Pasdeloup Concert Orchestra. 12.30—Roman Catholic Address. 12.50—News.

1 p.m.

BERLIN, Strauss and Wagner Records. BRESLAU, News; For Women. 1.30—Notes. 1.50—Variety. BRUSSELS (1), News. 1.10—Radio Orchestra. 1.30—Records. BRUSSELS (2), News. 1.10—Salon Orchestra. 1.30—Organ. 1.30—Organ. 1.30—Organ.

Organ.
COLOGNE, Light Music—Quintet.
1.30—Hints; Topical.
DEUTSCHLANDSENDER, Play.
1.30—Brazilian and Japanese Folk
Songs Records. 1.50—Talk.
FRANKFURT, See Stuttgart. 1.45—
Stories

Stories.
11AMBURG, Dialect Play, with Music.
HILVERSUM (1,875 m.), K.R.O.
Orchestra. 1.40—Questions and
Answers. HILVERSUM (301.5 m.),
Orchestra and Songs. 1.10—Talk.
1.40—Football Match, Holland v. Norway. KÖNIGSBERG, Chess. 1.30—Talk.

1.45—Records.
LEIPZIG, 1.5—Talk, 1.25—Fairy Play, 1.50—Light Music.
MUNICH, Fairy Story. 1.45—Trio

(Gade).

PARIS (PTT), Light Orchestral.

PRAGUE, 1.30 — "Tales of Hoffman"—Opera (Offenbach).

RADIO-PARIS, Orchestra (contd.).

Paris (Canga)

Rey (Songs).
STUTTGART, Fairy Plays. 1.45—
From Shops and Workshops.

2 p.m.

ATHLONE, Records.
BERLIN, From the Kurmark. 2.30
—Kurmark Theatre Performances with Records. BRESLAU, Variety. 2.30—Play. BRUSSELS (1), Art Notes: Schnyders Orchestra. BRUSSELS (2), 2.15—Jazz.
COLOGNE, 2.10—Düsseldorf Madrigal Society. 2.45—German. DEUTSCHLANDSENDER, Variety. FRANKFURT, For Country People.

DEUTSCHLANDSENDER, Variety.
FRANKFURT, For Country People.
HAMBURG, Brazilian and Japanese
Folk Song Records. 2.20—Schubert
Prie. Music. 2.45—Second Half of
the Rugby Match, Germany v.
France. HILVERSUM (1,875 m.),
Questions and Answers. 2.10—
K.R.O. Symphony Orchestra. Josef
Wagner (Prie.); Records.
LILVERSUM (301.5 m.), Football
Match (contd.).
KALUNDBORG, 2.25—Fourth
People's Concert. Orchestra, Guest
Conductor: Malko. Rena Madsen
(Songs). Schiøler (Prie.). KÖNIGSBERG, Records. 2.10—For
Women; Topical. 2.45—See Hamburg.

LEIPZIG, Music (contd.). 2.40-

Talk.

MUNICH, 2.5—All Saints' Day
Concert. 2.40—War Reminiscences.
PARIS (PTT), Records. POSTE
PARISIEN, 2.45—Second Half of
the Rugby Match, Germany v.
France, at Hanover. PRAGUE!,
Opera (contd.).
RADIO-PARIS, For Young People.
ROME and TURIN, 2.30—Football Match.

Folk Song Records. 2.20—Lute. 2.30—Choir.

3 p.m.

ATHLONE, Records.

BRUSSELS (1), Records: "The Dusk of the Gods" (Wagner).

BRUSSELS (2), Topical. 3.15—Schnyders Orchestra. COLOGNE, Variety - Orchestra,

Choir.
DEUTSCHLANDSENDER, Records.

DEUTSCHLANDSENDER, Records. FRANKFURT, Orchestra.

HAMBURG, Rugby Match (contd.). 3.25—Concert from Saarbrücken. HILVERSUM (1,875 m.), Orchestra and Pfte. (contd.). 3.40—For Hospitals. HILVERSUM (301.5 m.), Football Match (contd.). 3.40—Dance Band. KALUNDBORG, Concert (contd.). KÖNIGSBERG, See Hamburg. 3.25—Popular Music.

Popular Music.
LEIPZIG, Variety.
PARIS (PTT), Symphony Concert.
POSTE PARISIEN, 3.0-3.25 —
Rugby Match (contd.). PRAGUE,
Opera (contd.).

RADIO-PARIS, Porée Orchestra and Songs. ROME and TURIN, Football Match. 3.15—Sports, Records. 3.30—Orchestra.

STUTTGART, BERLIN, BRESLAU, MUNICH, Light Music from Saar-

4 p.m.

BEROMÜNSTER, "Helvetia" Choral Society. BRUSSELS (1), Quartets (Mozart, Roesgen-Champion and Lalo) by the Blondel Quartet. BRUSSELS (2), Records: "Iolanthe" (Sullivan).
COLOGNE, Variety (contd.).
DEUTSCHLANDSENDER, Records. 4.30—Sequence.

Sequence

4.30—Sequence.
FRANKFURT, Orchestra.
HILVERSUM (1,875 m.), For Hospitals. 4.35—Sports. 4.40—Women's Choir, Organ. HILVER.
SUM (301.5 m), Dance Band.
4.25—News, Records. 4.40—V.A.R.A. Orchestra.

KALUNDBORG, Service. KÖNIGS-BERG, Popular Music. LEIPZIG, Variety.

LEIPZIG, Variety.

MORAVSKÁ-OSTRAVA, 4.50—Orchestra. Conductor: Kretschmar. Songs, Pfte. (Bach, Mozart).

PARIS (PTT), Symphony Concert. PRAGUE, Opera (contd.). 4.10—Poems; Records. 4.35—Talks (German). 4.50—See Moravská-

RADIO-PARIS, Orchestra, Songs (contd.). ROME and TURIN,

Orchestra.

STUTTGART, BERLIN, BRESLAU,
HAMBURG, MUNICH, Light Music (contd.).
VIENNA, Orchestra. Steiner (Violin)

WARSAW, Symphony Concert. Or-chestra and Pfte. (Handel, Beet-hoven, Grétry, Mahler).

5 p.m.

BERLIN, Composers in a Programme of their own Music. 5.50—Quintet in C (Pfitzner). BEROMÜNSTER, "Helvetia 'Choral Society. 5.30—Käthe Kruse. BRESLAU, Talk. 5.20—Ottka (Pfie.). 5.50—Sports. BRUSSELS (1). Football Report. 5.10—Joseph Delporte (Organ). 5.30—Play for Children. BRUSSELS (2), Dance Band. At 5.30—Sports. BUDAPEST (1), Requiem (Verdi) from the Opera. Sports. BUDAPEST (17, (Verdi) from the Opera. (Verdi) from the Opera. COLOGNE, For Ex-Servicemen, 5.30

November Calendar. Orches-

FRANKFURT, Hitler Youth Music.

FRANKFURT, Hitler Youth Music. 5.30—Records.

HAMBURG, "Gutenburg"—Play with Music. 5.45—Dance Band. HILVERSUM (1.875 m.), Choir (contd.). 5.10—Records. 5.30—Service. HILVERSUM (301.5 m.), Orchestra (contd.). 5.35—News. 5.40—Commemoration Programme.

5.40—Commemoration Programme.
KALUNDBORG, Service (contd.).
5.20—Talk. KÖNIGSBERG, Music.
5.10—November Calendar. 5.40—
Sequence with Music.
LEIPZIG, Reading. 5.20—Weber
Concert—Vocal and Instrumental.
MONTE CENERI, 5.15—Old Italian
Arias—Songs, Harpsichord. 5.45—
Sports. MORAVSKA-OSTRAVA,
Orchestra, etc. (contd.). MUNICH,
Talk. 5.20—Orchestra, Contralto. OSLO, 5.30—Violin and Pfte.

OSLO, 5.30—Violin and Pfte.

PARIS (PTT), Records. 5.30—"Le miracle de l'enfant Bavard"—Play (Ghéon). POSTE PARISIEN, 5.30—Records. PRAGUE, See Moravská-Ostrava. 5.50—News (German), Record.

RADIO-PARIS, To be announced. ROME and TURIN, Orchestra. 5.30—Sports, Records.

SOTTENS, Mendelssohn. Radio Suisse romande Orchestra. STOCK-HOLM, Scandinavian Music—Orchestra and Songs. STRASBOURG, Service for the Dead in German, and Two Cantatas (Bach). STUTT-GART, Reading and Records. 5.40—London Philharmonic Records. VIENNA, Orchestra and Violin WARSAW, Topical, Concert (contd.).

6 p.m.

BERLIN, Quintet (contd.). 6.40—
Sports. BEROMÜNSTER, Religious Address. 6.30—News. 6.45—Orchestra. BRESLAU, Sports. 6.15—Hungarian #folk Songs.
BRATISLAVA, 6.5—"Death in Orchestra. BRESLAU, Sports.
6.15—Hungarian Folk Songs.
BRATISLAVA, 6.5—"Death in Slovak Folk Songs." 6.20—
"Herod "Poem (Vajansky). BRNO, 6.20—"Moravian Country Bells".
—Sequence of Laments and Ballads.

BRUSSELS (1), 6.5—Talk and Recitations. 6.15—Records: Negro Spirituals. 6.30—Adrienne Dulait (Pfte.). 6.45—Records. BRUSSELS (2), Salon Orchestra, Songs. 6.45—Address. BUDAPEST (1), "Requiem" (contd.).

COLOGNE, November Calendar. 6.25—Hockey Report. 6.35—Opening of the Skating Rink, Dortmund. 6.50—Sports.

DEUTSCHLANDSENDER, "Walter Kollo"—Musical Sequence. 6.40—Sports.

Sports.
FRANKFURT, "Homesickness"—
Sequence with Music. 6.50—Sports.
HAMBURG, Dance Band. 6.35—
Notes. HILVERSUM (1,875 m.).
(SportA). Sacred Music. Service (contd.); Sacred Music HILVERSUM (301.5 m.), Commemoration Programme. Records. 6.25—Service.

memoration Programme. 6.10—
Records. 6.25—Service.

KALUNDBORG, News. 6.30—Talk.
KÖNIGSBERG, Sequence (contd.).
6.40—Sports.

LEIPZIG, Dialect Sequence with
Music. 6.55—Sports.

MONTE CENERI, Sports. 6.15—
Records. 6.45—News. MUNICH,
Orchestra, Contralto. 6.35—Call
of Youth; Sports.
OSLO, Violin and Pite. 6.10—News.
6.30—Reading. 6.55—Records.
PARIS (PTT), Play (contd.). 6.30—
News. POSTE PARISIEN, Records. PRAGUE, News. 6.5—
All Saints' Day Programme. 6.20—
See Brno.

RADIO-NORMANDIE, Light Music.
6.15—Records. 6.30—Concert.
RADIO-PARIS, To be announced.
ROME, 6.20—Notes. 6.30—Records.

ROME, 6.20—Notes. 6.30—Records.

SOTTENS, Roman Catholic Address.
6.30—Variations on a Folk Theme (Ochs). 6.50—News. STOCK-News. 6.30—"Comedy (John van Druten). STRAS-BOURG, Service and Cantatas (contd.). 6.30—Topical. STUTT-GART, Records (contd.). 6.10—Rugby Match, Germany v. France; Sports. 6.40—"Don Giovanni"—Opera (Mozart).

TURIN, 6.20—Notes; Records.
VIENNA, Notes. 6.19—"Twilight Dreams"—Fantasia on Records.
WARSAW, Act II, "Les Noces"—Play (Wyspianski). 6.45—"In Memoriam"—From the Tomb of the Unknown Warrior.

7 p.m.

BEROMÜNSTER, Orchestra (contd.).
7.15—"Brugge boue"—Play (Felix)
BRESLAU, Talk. 7.20—"Rübezahl"—Play (Kaergel), Music by
Sczuka. BRUSSELS (1), Notes.
7.15—To be announced. 7.30—
News. BRUSSELS (2), Norah
Scott Turner (Songs). 7.30—Films.
BUCHAREST and RADIO-ROMANIA, "Viforul"—Historical
Play (Delavrancea). BUDAPEST MANIA, "Viforul"—Historical Play (Delavrancea). BUDAPEST (1), "Requiem" (contd.). 7.10— Talk. 7.30—Opera Orchestra (Gluck, Strauss and Liszt). COLOGNE, Orchestra, Pfte., Flute,

COLOGNE, Orchestra, Songs, Oboc (Handel, Wagner, etc.).
HAMBURG and DEUTSCHLAND-SENDER, Second Peoples' Concert from the Musikhalle. Orchestra, Casadesus (Pftc.), Jakschtat (Baritone) (Mozart, Strauss, Liszt, Berlioz).
HILVERSUM (1,875 m.), Sacred Music. 7.25—Sports:

tone) (Mozart, Stratuss, Liszt, Berlioz). HILVERSUM (1,875 m.), Sacred Music. 7.25—Sports; Address; News. HILVERSUM (301.5-m.), Service (contd.). 7.40—News. 7.55—A.V.R.O. Orchestra. Van Raalte. Spalding (Violin). KALUNDBORG, Sketch. 7.15—Danish Songs. "Bel Canto " Male Voice Choir. 7.40—" Don Quivote" (Cervantes)—Talk "and Reading KÖNIGSBERG, Historical Marches. LEIPZIG, BERLIN, Leipzig Symphony Orchestra. Choir, Songs. MONTE CENERI, Requiem Mass (Perosi), Concordia Choir. 7.30—Poems. 7.45—Organ. MUNICH, Symphony Concert. Conductor: Winter. Carola Farma, Marius Andersen, Gustav Havemann. OSLO, Records. 7.10—Talk. 7.30—" Down the Rhine"—Dialogue Sequence with 'Choir and Orchestra. PARIS (PTT), News. 7.45—Lydia

quence with Choir and Orchestra.
PARIS (PTT), News. 7.45—Lydia
Chaliapin-Jean Rieux Programme.
POSTE PARISIEN, News. 7.25—
Records. 7.50—Frères Jacasse.
7.55—Requiem (Verdi). Czech
Philharmonic. Conductor: de
Sabata. Hlahol Vocal Ensemble and
Others

Others.
RADIO-NORMANDIE, Records. 7.15 ADIO-NORMANDIE, Records. 7.30—Concert; at 7.40, News. RADIO-PARIS, Bilboquet and Troupe. 7.30—The Bayan Singers. ROME, 7.5—News. 7.30—Sports; Records. 7.40—Talk. 7.45—"Conchita"—Opera (Zaudonai). Conductor: The Composer

November I SUNDAY

SOTTENS, Sports. 7.20—"Faust"
—Opera (Gounod). STOCKHOLM, "London Wall" (contd.).
STRASBOURG, Topical. 7.15—
Records. 7.30—News (French,
German). STUTTGART, Opera
(contd.).

TURIN, 7.5—News. 7.30—Records. 7.40—"Partenza per l'Asia"—Play

7.40—"Partenza per l'Asia — Lia, (d'Ambra). VIENNA, Ballad. 7.10—"Gevatter Tod"—Play (Soeser). WARSAW, "In Memoriam -' (contd.). 7.15—News.

8 p.m.

ATHLONE, 8.15 — "The Singer," from the Gate Theatre, Dublin.
BEROMÜNSTER, "Play" (contd.). 8.15—Talk with Music: Liszt's Stay in Switzerland. BRESLAU, Play (contd.). BRUSSELS (1), Radio Orchestra. Germaine Teugels (Songs). BRUSSELS (2), National Orchestra. Mile. Schmeidler (Pfte.) (Schubert, Mozart, Weber and Radio Orchestra. Germaine Leugeis (Songs). BRUSSELS (2), National Orchestra. Mile. Schmeidler (Pfte.) (Schubert, Mozart, Weber and Schumann). 8.45—Sketch. BU-CHAREST and RADIO-ROM-ANIA, 8.5—Choir. 8.40—News. 8.55—Orchestra, Songs. BUDA-PEST (1), Orchestra (contd.). 8.40—News.

COLOGNE, Scene from Schiller's Life (Ernst); Orchestra, etc.

(contd.) EIFFEL TOWER, 8.20—Liszt Anniversary. Ina Marika (Pfte.). Lucienne Astruc (Songs).

FRANKFURT, Orchestra, etc. (contd.) FRANKFURT, Orchestra, etc. (contd.).

HAMBURG, DEUTSCHLANDSENDER, Concert (contd.). HILVERSUM (1,875 m.), Religious Programme. Songs. Pfte. Recitations.
HILVERSUM (301.5 m.), Music
(contd.). 8.40—Play.

KALUNDBORG, 8.5—Violin Sonata
in D minor (Brahms). 8.30—Report.
8.50—"Knud Rasmussen"-Cantata
(Sandberg - Nielsen). KÖNIG SBERG, Marches (contd.).

LEIPZIG, BERLIN, Orchestra, etc.
(contd.).

MONTE CENERI, Talk. 8.15— Beethoven Concert. MUNICH, Orchestra, etc. (contd.). OSLO, Sequence (contd.). 8.40-

News.
PARIS (PTT), Lydia Chaliapin-Jean Rieux Programme. 8.15—Sports. 8.30—Concert and Opera. Part I. Orchestra, Harp, etc. Conductor: Rosenthal. Part II. "Les malheurs d'Orphée"—Opera (Milhaud). POSTE PARISIEN, 8.5—Paul Reboux. 8.20—Light Music. 8.35—Mile. Bordas. PRAGUE, Requiem (contd.).

RADIO-NORMANDIE, Concert. 8.30—Sports. 8.45—Operetta Music.

R.30—Sports, 8.45—Operetta Music, RADIO-PARIS, Maréchal ('Cello). 8.30—News. 8.45—"The Passing of the Third Floor Back",—Play (Jerome K. Jerome). ROME, Opera (contd.).

Opera (contd.).

SOTTENS, "Faust" (contd.).

STOCKHOLM, Saxophone and Pite. 8.45—News. STRASBOURG, Sports. 8.20—Press Review (German). 8.30—See Paris (PTT).

STUTTGART, Opera (contd.).

TOULOUSE, News. 8.10—Music. 8.55—News. TURIN, Play (contd.). 8.10—News (German). 8.20—Popular Concert (Wolf-Ferrari, Weprik, Ravel, Wagner). VIENNA, Play (contd.). 8.20—Meditation.

WARSAW, Records. 8.30—Literature. 8.45—Italian Pfte. Music.

9 p.m.

ATHLONE, "The Singer" (contd.). 9.30—Variety.

9.30—Variety.

BEROMÜNSTER, 9.5—News. 9.30
—Dialect Programme. BRUSSELS
(1)—"In Memoriam"—Address and Cathedral Chimes.
National Orchestra. Renaudin Speaking Choir. BRUSSELS (2), Sketch. 9.15—Radio Orchestra. Béthune (Violin). BUCHAREST and RADIO-ROMANIA, Music (contd.).

(contd.).

DEUTSCHLANDSENDER, News. 9.30—String Trio in (Berger), 9.45—Weather.

TOWER, Liszt (contd.) HILVERSUM (1,875 m.), Records and Recitations. 9.40—Cantata (Handel), HILVERSUM (301.5 m.), 9.5—Joe Petersen (Treble). Palla (Pfte.). 9.35—Topical. 9.50— Renova Quintet. KALUNDBORG, 9.5-News. Danish Music. KÖNIGSBERG, News. 9.20—Football. 9.35— Serenade by the Börschel Band.

MONTE CENERI, Sports. MU-NICH, and MOST GERMAN STA-TIONS, News. 9.30—Screnade. Orchestra and Pftes.

Orchestra and Pites.

OSLO, Talk. 9.15—Sports. 9.30—
Dance Records.

PARIS (PTT) and STRASBOURG,
Opera (contd.) POSTE PARISIEN,
Amateurs. 9.30—Sketch. 9.55—
Dance Band. PRAGUE, News
(Czech, German). 9.30—Records.

RADIO-NORMANDIE, Operata
Music. RADIO-PARIS, Play
(contd.). ROME, Opera (contd.).

SOTTENS, "Faust" (contd.). 9.45
—Talk. STOCKHOLM, Topical.
9.10—Act IV, "II Trovatore"—
Opera (Verdi).

TOULOUSE. News. 9.10—Light

Opera (Verdi).

TOULOUSE, News. 9.10—Light Music. 9:55—News. TURIN, Concert (contd.). 9:30—Announcements. 9:40—Dance Music.

VENNA, Meditation. 9:10—News. 9:30—Louise Helletsgruber (Songs).

WARSAW, Pfte. (contd.). 9.15—
Popular Concert. Orchestra and
Oboe (Vivaldi, Bach, Schubert,
Karlowicz, Mlynarski).

10 p.m.

ATHLONE, Variety. 10.30—Notes. 10.50—Samhain Ceilidhe.

BRUSSELS (1), News. 10.10— Records: Requiem (Fauré). 10.55— Christus vincit (Liszt). BRUS-SELS (2), News. 10.10—Records. (Schubert, Mozart, Wagner).

(Schubert, Mozart, Wagner).
DEUTSCHLANDSENDER, Variety and Dance Music.
HILVERSUM (1,875 m.), Cantate (contd.). 10.10—News; Records; Epilogue. 10.40—Esperanto. HILVERSUM (301.5 m.), Quintet (contd.). 10.40—News. 10.50—Dance Band.

KALUNDBORG, Dance Band. KÖNIGSBERG, Screnade (contd.). MUNICH and MOST GERMAN STATIONS, Serenade (contd.). OSLO, Dance Records.

OSLO, Dance Records.

PARIS (PTT), Opera (contd.). 10.30

— News. POSTE PARISIEN,
Dance Band. 10.30 — Records.
PRAGUE, Records.

RADIO-NORMANDIE. Records,
Light Music. RADIO-PARIS,
Play (contd.). 10.45—French
Music by the Krettly Orchestra.
ROME, Opera (contd.). 10.30—
Dance Music.

Dance Music.

SOTTENS, Talk. STRASBOURG,
See Paris (PTT). 10.30—News.

TOULOUSE, Music. 10.55—News.

TURIN, News. 10.15—Dance

VIENNA, Songs (contd.). 10.10-

WARSAW, Concert (contd.).

11 p.m.

ATHLONE, Samhain Ceilidhe. BERLIN, Dance Band. BRUSSELS
(1) and (2), Records. BUDAPEST
(1), 11.5—News.

DEUTSCHLANDSENDER, Variety

and Dance Music.

HILVERSUM (1,875 m.), Esperanto.

HILVERSUM (301.5 m.), Dance
Band. 11.10—Records. KALUNDBORG, Dance Band.

POSTE PARISIEN, Light Music

POSTE PARISIEN, Light Music.
RADIO-NORMANDIE, Records and
Light Music. RADIO-PARIS,
Music (contd.).
STRASBOURG, News (German).
STUTTGART and FRANKFURT,
Serenade—Schubert and Bruckner

TOULOUSE, Light Music. 11.55-

12 midnight

HILVERSUM (301.5 m.), Records.

RADIO-NORMANDIE, 12.30—Classical Music. PARIS, Music (contd.).

STUTTGART and FRANKFURT, Serenade (contd.). TOULOUSE, 12.5—Light Music.

SUNDAY (November 1)

NATIONAL

Time Signals: Big Ben, 12.30, 10.45 p.m. Greenwich, 10.30 a.m., 4.0, p.m. Greenwich, 10.3 9.0 p.m. D=Droitwich.

9.25-10.15 a.m. (D)—Service.
10.30-10.45 (D)—Weather Forecast.
12.30 p.m. (D)—BBC Variety Orchestra;
Reginald Knights (Tenor), Cyril
Knights (Baritone).

1.30 (D)-Fred Hartley and his Novelty Quintet.

2.0 (D)—Talk on Gardening. 2.20 (D)—BBC Military Band. 3.0 (D)—Gramophone Records.

3.40 (D)—" What is the Church for?" Interview with the Rev. S. M. Berry, D.D.—Howard Marshall.

4.0-Sir Walford Davies and the BBC Singers. Simple Church Music.

30—" Music of the Hours," by Walter

Pitchford. 4.45—George Ackroyd (Flute). 4.45—George Ackroyd (Flute).
5.0—Talk by The Rev. Canon L. W. Grensted, D.D.
5.20—BBC Orchestra, conducted by Edward Clark.

6.15—" Vexed Questions."

6.19— Vexed Questions.
6.30—Schubert—1; May Blyth (Soprano). Songs: Der Mondabend, Am Flusse, Der Liebende, Sängers Morgenlied, Die Sterne, Vergebliche Liebe, Naturgenuss, Das Sehnen, Die Liebe, Der Sänger. 7.0-7.50—" Coronel and the Falklands."

7.55—Service.
8.45—Appeal on behalf of the Medical Work of the Church in Central Tanganyika by the Rt. Rev. the Lord Bishop of Central Tanganyika.

8.50-News. 9.5—The London Palladium Orchestra. 10.10—Reading, Lord Dunsany. 10.30—Epilogue.

REGIONAL

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

12.30 p.m. (ex. Midland)—D.

2.0 (Scottish)—Talk.

2.20 (Scottish)—Droitwich.

4.0 (Regional, Western, N. Ireland)—Machania and his Timica Orchestra.

Maniovani and his Tipica Orchestra. 4.0 (Midland)—Jean Salder and his Serenaders.

4.0 (Northern)-Band.

4.0 (Scottish)-Erik Chisholm (Pfte.).

4.15 (Scottish)—Talk.
4.30—For the Children.
5.0—Kate Winter (Soprano).
5.15—Bach, Handel Concert from Paris. Conductor: Pierre Monteux. Marcel Dupré (Organ). Choral for Organ, In thee is joy, O God (Bach); Con-certo No. 10 (Handel).

5.40—Talk.
6.0 (ex. Western, N. Ireland)—The
Abram Colliery Band; Harold Bradbury (Tenor).

6.0 (Western)—Part 2 of "Westward Ho!"

6.0 (N. Ireland)—Harry Dyson (Flute), Walter Worsley (Horn), Edward Selwyn (Oboe).

6.30-7.45 (N. Ireland) - Service. 7.0 (ex. Midland, N. Ireland)—BBC Northern Orchestra: Johann Strauss, Coleridge-Taylor, Ponchielli, Liszt. 7.0 (Midland)—Berenska Orchestra:

-Services.

8.45—Appeals: (Regional) East End Hostels Association. (Midland) Nottingham General Hospital. (Western) Bristol Maternity Hospital. (Northern) Bradford Charity Organisation Society. (N. Ireland) Lord Mayor's Coal Fund. (Scottish) Royal Alexandra Infirmary, Paisley.

8.50—News.9.5—Egon Petri (Pfte.). Liszt Commemoration Concert. BBC Women's Chorus and Orchestra, conducted by Sir Henry J. Wood.

10.30—Epilogue.

Hours of Transmission in Greenwich Mean Time. MOSCOW and REYKJAVIK Programmes did not arrive in time for inclusion in this week's issue.

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.); 2.0-4.0 p.m.—Records. 8.15—"The Singer"—First Production, from the -First Production, from the Singer"—First Production, from the Gate Theatre, Dublin, presented under the auspices of the Irish National Music League. The Ceol Cumann School of Ballet Gaelic Dance Drama, 9.30—Variety, 10.30—Weather; What happened to-day, 10.40—Sports Talk by Sean O'Ceallachain, 10.50—Samhain Ceilidhe. 11.30—National

BANSKÁ-BYSTRICA (Czechoslovakia) 392 kc/s (765 m.); 30 kW. Relays Czechoslovak Stations.

BERLIN (Germany)

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

their own Music—Charlotte Baerenz, Peter Igelhoff, Willi Kollo, Günther Neumann, Werner Oehlschläger and Peter Voelkner.

5.50—Quintet in C (Pfitzner) by Heinrich Steiner (Pfte.) and the Steiner Quartet. 6.40—Sports.

7.0—See Leipzig. 9.0—News. 9.30—See Munich.

11.0-12.0 m't-Stanke Rand.

BEROMÜNSTER (Switzerland)

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

9.0 a.m.—Protestant Service. 9.50-Chamber Music. 10.30—Dorette Hanhart reads. 11.0—Zürich Radio Orchestra, Conductor: Hofmann. 11.30—News. 11.40—To be announced.

12.30 p.m.—Haustein Music by Ida Furrer (Zither). 1.10-1.30—Talk: The Earth and its Properties.
4.0—"Helvetia" Choral Society from

6.40 Stuttgart: "Don Giovanni."
7.20 Sottens: "Faust" (Gounod).
7.45 Rome: "Conchita" (Zando-

9.0 (app.) Paris (PTT), Strasbourg: "Les malheurs d'Orphée" (Mil-

Stockholm: "Il Trovatore,"

Brussels 1: String quartets.
Kalundborg: Violin, pfte.

National: Schubert songs. Brussels 2: English songs. Radio-Paris: Marechal ('cello).

Eiffel Tower: Pfte., song

Paris (PTT): "Le miracle de l'enfant Bavard" (Ghéon). Stockholm: "London Wall." Vienna: "Gevatter Tod." Athlone: "The Singer." Radio-Paris: "The Passing of the Third Floor Back."

LAST NEWS BULLETINS, see Mon-

DANCE MUSIC
9.30 Oslo; 9.40, Turin; 9.55, Poste
Parisien; 10.0, Deutschlandsender, Kalundborg; 10.50,
Hilversum (301.5 m.); 11.0,

Berlin.

(Liszt). Vienna: Songs, arias.

-See Prague. 9.20-News (Hunoarian) 9.30-10.30—See Prague.

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

4.0 a.m. (from Gleiwitz)—Folk Music, 5.0—See Hamburg. 7.0—Reading, 7.10-7.40 (from Gleiwitz)—Folk Music. 7.50-News. -See Hamburg. 8.45—Reading.

9.15-Modern Chamber Music. Sonata in D minor for Violin and Pfte. (Dannehl). Concertino (Protze). 9.55
—"Faith"—Sequence (Recorded).
10.25 — Records: Popular Music.
10.40—An Interview with a Railway Porter.

1.0—See, Berlin. 1.0 p.m.—News.
1.10—For Women. 1.30—Call of
Youth. 1.45—Greetings. 1.50—
Variety. 2.30—"The Pied Piper of
Hamelin"—Play for Children (Fried-

rich).
3.0—See Stuttgart.

5.0—Talk: Fridtjof Nansen. 5.20 (from Gleiwitz)—Werner Ottka

5.20 (from Gleiwitz)—Werner Ottka (Pfte.). Sonata (Marcello). Rondo a capriccio (Beethoven). Prelude in D flat (Chopin). Nocturne in A flat (Chopin). 5.50—Sports.
6.15—Hungarian Folk Songs (arr. Sczuka). Choir, Members of the Station Orchestra. Hanna Ehrhardt and Walter Gembs (Speakers) and Others. 7.0—Talk: Rübezahl, the Mountain Sprite Mountain Sprite.

7.20 -- "Rübezahl" — Play (Kaergel), Music by Sczuka. 9.0—News. 9.30-11.0—See Munich.

BRNO (Czechosłovakia) 922 kc/s (325.4 m.); 32 kW: Transmits at intervals from 5.45 a.m. 6.20 p.m.—" Moravian Country Bells" Sequence of Laments and Ballads. 7.0-10.30—See Prague.

BRUSSELS (No. 1) (Belgium) 620 kc/s (483.9 m.); 15 kW. 6.37-9.0 a.m.—Records; Gym; News. 9.0—Records. 9.45—Hints for Gardeners and Farmers.

10.6—Pontifical High Mass from St. Paul's Cathedral, Liege. Missa Iste Confessor (Palestrina) by the Cathedral Choir. Conductor: Canon Breuer. Choir. Conduction 11.30—Records.

12.0 noon—Records: Popular Music. 12.30 p.m.—Salon Orchestra. Con-

ductor: Féron.

1.0 p.m.—News.

1.10—Radio Orchestra. Conductor:
Gason. Procession flamande (Lee-mans) Serenade (Hüe). Andante mans). Serenade (Hüe). Andante religioso (Thomé). Nocturne (Pierné). Meditation (Glazunov).

1.30 — Records: Symphony in D (Haydn). 2.0-2.15 — Art Notes; Ballet égyptien (Luigini) by Schnyders Orchestra

2.30-Light Music-Schnyders Orches-

3.0—Records: "The Dusk of the Gods" (Wagner).

4.0 Chamber Music by the Maurice

Blondel Quartet. Quartet in G (Mozart). Quartet (Roesgen-Champion). Quartet (Lalo). 5.0—Football Match Report. 5.10—Joseph Delporte (Organ). Choral

(Bach). Lamento (Barié). Andante and Scherzo from the Grande Pièce Symphonique (César Franck). Finale, Second Symphony (Widor).

Second Symphony (Widor).
5.30—"L'cnvers du ciel"—Play for Children (Desmet). 6.5—Talk and Recitations: "Sagesse" (Verlaine).
6.15—Records: Negro Spirituals. Steal away to Jesus. Sometimes I feel like a Motherless Child. Heav'n, Heav'n

(Burleigh). Negro Spirituals (White). 6.30-Adrienne Dulait (Pfte.).

PRINCIPAL EVENTS 9.15 Warsaw: Classics. 9.30 Munich, etc.: Serenade. 10.45 Radio-Paris: French music.

OPERAS

9.10

6.30

8.30

PLAYS

5.30

7.10

nai).

haud)

Act 4.

CHAMBER MUSIC

(Brahms). 9.30 Berlin: Trios.

RECITALS

SERVICES AND SACRED MUSIC

A.M.

Kalundborg Service.
Brussels 1: Pontifical Mass.
Radio-Paris: From Rouen 10.0 10.0

P.M

4.0

Stockholm: Evensong.
Brussels 1: "In Memoriam."
Hilversum (1,875 m.): Cantata (Handel).

SYMPHONY CONCERTS

Cathedral.

Hilversum (1,875 m.): van Otterloo, Wagner (pfte.). Warsaw: Classics. 2.10

Budapest 1: Requiem (Verdi). Sottens: Mendelssohn. 5.0 5.0

7.0 Monte Ceneri: Requiem (Perosi).

Prague: Requiem (Verdi), 7.30 Budapest 1: Gluck, Strauss,

Liszt. (301.5 Hilversum

Raalte, Spalding (violin). Monte Ceneri: Beethoven.

Regional: Liszt. Stuttgart, Frankfurt: Schu-11.0 bert, Bruckner.

LIGHT CONCERTS

Radio-Paris: Orch., songs.
Kalundborg: Popular orch.
Radio-Paris: Porée Orch.
Stockholm: Scandinavian.
Frankfurt: Orch., song, oboe.
Hamburg, Deutschlandsender: 3.0

5.0 7.0

Mozart, etc.

Munich: Conductor, Winter.

Turin: Conductor, Ferrero.

Radio-Normandie: Operetta music.

Bucharest: Orchestra, songs. Kalundborg: Danish music.

5.0 a.m.—Call; Gym. 5.30—Concert from Hamburg. 7.0—Gym. 7.25—Talk. 7.55—Chimes and Service from Potsdam Garrison Church. 8.55—Cathedral Chimes. 9.0—Weather. 9.30-10.30—Dahlke Trio. Trio in E

flat (Kreutzer). Pfte. Pieces (Mozart). Trio in B flat (Beethoven). 11.0 — Light Music—Military Band. Nettelmann Band. Romanoff Balalaika

Ouintet. Quinter.

1.0 p.m.—Records, Part I: Richard Strauss Music. Olympic Hymn by the Bruno Kittel Choir, Burlesque by Elly Ney (Pfte.) and Orchestra. Part II: Bayreuth Festival Concert of 1936. Conductor: Tietjen. Selection, "Lohengrin" and "The Valkyrie" (Wagner). 2.0—From the Kurmark. 2.30—Kurmark Theatre Performances with Records. Performances, with Records.

the Tonhalle, Zürich. Conductor: Carl Kleiner. 5.30—Kathe Kruse. 6.0—Religious Address. 6.30—News. 6.45— Zürich Radio Orchestra, Conductor: Bernhard. 7.15-- Brugge boue Play (Felix).

8.15—Talk with Music: Liszt's Stay in Switzerland. 9.5-News.

9.30-10.0 (from Basle)—Dialect Programme with the Born Brothers (Country Music) and Emmy Braun (Yodels).

BRATISLAVA (Czechoslovakia)

1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 5:45 a.m. 5.0 p.m.—Hungarian Transmission: Talk, followed by Cantata (Bach). 5.45—Record. 5.50—See Prague.

Performances, with Records.
3.0—See Stuttgart.
5.0—Composers in a Programme of Secondary Seconda

Notes. 7.15-To be announced. 7.30-News.

8.0—Radio Orchestra. Conductor: Gason. Germaine Teugels (Songs). Prelude (Bach-André). Song: Ave Maria (Schubert). Abendlied Abendlied (Schumann). 'Cello and Orchestra: (Mozart). Largo (Handel). Romance in F for Violin and Orchestra (Beethoven). Song (Bach). Prelude and Allegro (Pugnani-Kreisler).

9.0—"In Memoriam"—Address by the Rev. Fr. Loslever. Chimes from the Bruges, Malines, Namur, Liége, and

Tournai Cathedrals.

9.15—National Orchestra. Conductor: Jongen. Renaudin Speaking Choir. Conductor: Madeleine Renaud-Thévenet. Adagio (Lekeu). Speaking Choir: Heureux ceux qui sont morts

(Péguy). Concerto grosso (Corelli). Rédemption (Franck). 10.0—News. 10.10—Records: Requiem (Fauré). 10.55—Christus vincit

11.0-12.0 m't-Records.

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

Programme in Flemish.

6.37-9.5 a.m.—Records; Gym; News. 9.5—Records: Classical Music. 9.55—Music Review. 10.0—Records.

10.45-Rina Claudy (Songs).

11.15-Light Orchestral.

12.0 noon—Paula De Backer (Songs) and Cecilia Van Dycke (Pfte.). Songs:

(a) Kom hier op mijn vinger (Jules Van Dycke), (b) Four Songs (Cecilia Van Dycke). Van Dycke). Cecilia Van Dycke plays her own Music: Prelude and Elégie. Songs: (a) Two Canzonettas (De Fesch), (b) Witte, watte wolken (Mortelmans), (c) Zang der herten (Mortelmans), (d) Mei, (e) Zing niet te zoet, and (f) Lentelied (D'Hayer).

12.31 p.m.—Radio Orchestra. Conductor: Gason. Suite pastorale (Chabrier). Excerpts, Les heures delayers (Duront)

dolentes (Dupont).

1.0-News.

1.10—Salon Orchestra. Conductor: Féron.

1.30-2.0—Paul De Maleingreau (Organ) Part I: Du Mage Music. Plein-jeu. Basse de trompette. Rècit. Grand jeu. Part II: Jacques de Chambon-nières Music. Le moutier. Double du moutier. Part III: Offertoire sur les grands jeux (Nicolas de Grigny). Four Paraphrases (de Maleingreau). 2.15—Brenders Jazz Band.

Topical.

3.15-Light Music-Schnyders Orches-

4.0—Records: "Iolanthe" (Sullivan). 5.0—Brenders Dance Band; at 5.30—

6.0-Salon Orchestra. Féron. Jacqueline De Kesel (Songs). Hungarian Fantasy. Zsigetvar Östroma (Zsadanyi-Féron). Spanish troma (Zsadanyi-Féron). Spanish Serenade, Salamanca (Grit). Inter-mezzo, Arabesca (Jacopelli). Songs: Tango, El mandocino (Toranzo). Giaour (Smetsky). Waltz, Suis ton chemin (Verdun). Chanson de mai (Dandois). (Dandois).

6.45—Religious Address.

7.0—Norah Scott Turner (Songs). O solitude (Purcell). My lovely Celia (Munro-Lane Wilson). Ungeduld (Schubert). Geheimes (Schubert). Waldeinsamkeit (Reger). Il pleure dans mon coeur (Delius). Autumn Song (Delius). April (Quilter). Armida's Garden (Parry). I love the jocund Dance (Walford Davies).

7.30-Film Review. 8.0-National Orchestra. Conductor: Jongen. Mlle. Schmeidler (Pfte.).
Overture, "Fierrabras" (Schubert).
Six German Dances (Mozart). Pfte.
and Orchestra; Concert Piece (Weber). Overture, "Julius Caesar"

(Schumann). 45 — "Doodendag" — Sketch (De Practere).

9.15—Radio Orchestra. Conductor: Gason. Béthume (Violin). Suite in D (Bach). Violin Solo, "Le déluge" (Saint-Saëns). Interlude dans un mode antique (Glazunov). Minuet' "Orpheus" (Gluck). Pavane pour une Infante défunte (Ravel). 10.0-News.

10.10-12.0 m't-Records: Quintet in A (Schubert). Violin Concerto in G (Mozart) by Bronislaw Hubermann. Selection, "Parsifal" (Wagner).

BUCHAREST (Romania) 823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania (Brasov), 160 kc/s 1.0—Light Music by the Chamber Quintet. 1.30—Hints for Everyone; The Week's Calendar.

2.10 (from Düsseldorf)—"Autumn in Old German Songs." Düsseldorf Madrigal Society, Conductor: Neyses. 2.45—German for Germans.

3.0—Variety. Station Orchestra, Conductor: Eysoldt. Station Choir, Conductor: Breuer.

5.0—Where are you, Comrade?—Programme for Ex-Servicemen. 5.30—
"November"—Radio Calendar (Kohlhaas). 6.25-Report: The Silver Shield Hockey Match, from Dortmund. 6.35 -Report: The Opening of the Skating Rink from the Westphalian Hall, Dortmund. 6.50—Sports.

7.0—Station Orchestra, Conductor: Chemin-Petit. Willi Hülser (Pfte.).



Hans A. Winter,

conductor of

Munich's concert

at 7 p.m.

5.30-6.30 a.m.—To be announced. 9.30 —Chimes; Address. 9.50—Records: Sacred Music. 9.55—Church Notes. 10.10—Sacred Songs. 10.40—Time; News; Sports. 10.50—Dinicu Orchestra; at 12.10 p.m.: News. 1.0—For Peasants. 2.0-2.45—Popular Romanian Peasants. 2.0-2.49—Popular Romanian Music by the Baditza Orchestra. 5.0—Time; Weather; Topical. 5.15—Dance Music; at 6.0: Educational Programme. 7.0—"Viforul" (Hurricane) — Historical Play (Delavrancea). 8.5—"Cântul nostru" Choir. Conductor: Niculescu. 8.20. Nave: Sports. nostru" Choir. Conducte 8.30—News; Sports. 8.55—Radio Orchestra. Conductor Rogalski. 9.55—News. Mircea Lazar (Songs).

BUDAPEST (No. 1) (Hungary)
546 kc/s (549.5 m.); 120 kW.
8.30 a.m.—News. 9.0—Greek Orthodox
Service. 11.30—Academy of Music
Teachers' Chamber Ensemble. 12.30 p.m.—Radio Review. 12.45—Records. 1.45—Hygiene Talk. 2.0—For Farmers. 2.50—'Cello. 3.30—Talk. 4.0—Radio Orchestra. Conductor: Bertha.

Orchestra. Conductor: Bertha.
5.0—Requiem (Verdi) from the Royal
Opera. 7.10—Talk.
7.30—Opera Orchestra. Conductor:
Fridi. Excerpt, "Iphigenia in Aulis"
(Gluck). Death and Transfiguration
(Strauss). Tasso (Liszt).
8.40-9.0—News. 9.0-11.5—No Transmission (All Saints' Day). 11.5—News.

BUDAPEST (No. 2) (Hungary) 359.5 kc/s (834.5 m.); 18 kW. 11.30 a.m.—Records. 2.0 p.m.—University Choir. 3.35—Station Orchestra; at 4.0, Talk.

COLOGNE (Germany)
658 kc/s (455.9 m.); 100 kW.
5.0 a.m.—See Hamburg. 7.0—Weather;
Water Level. 7.5—Reading. 7.15—
Maria Mattheus (Contralto) and the Station Instrumental Trio. 8.15-8.45—Service from the Carthusian Church. 9.0—Records: Classical Music. 10.15 -Poems. 10.30—See Hamburg. 11.10
-Music from Berlin; at 12.0 noon-12.15 p.m., Announcements; Greetings.

Sauerteig (Flute). Grote ('Cello). Pfte. Sonata (Gabrieli-Stein). Pfte. Concerto in D minor (Bach). Suite in B minor (Bach). Overture in G minor (Bruckner). Mysterien (Juon). 'Cello: Introduction and Passacaglia (Chemin-Petit). In the interval at 8.0 (approx.): "Das Ende des Lebens"—Scene from Schiller's Life (Ernst) by Oettershagen and Henn.

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 Peasants. 8.0—Accordions, Bassoon, Occarina and Pfte. 9.0-Hitler Youth Music Festival (Recorded). (For details see 8.0 a.m., Hamburg.) 9.45—Richard Neumann (Wurlitzer Organ). 10.0—Albert Sergel reads his own Poems. 10.15—Weather. 10.30— Variety from the Wilhelmshalle, Berlin. Lutter and Profé Bands and Variety Artists. 12.0 noon—Greetings. 12.10 p.m.—See Frankfurt. 1.0—
"Krähenabenteuer"—Play for Children (Gertraude Knab) (Recorded). 1.30—Brazilian and Japanese Folk Songs (Recorded). 1.50—Talk: Genealogy 20. "Come to the Dage?" logy. 2.0—"Come to the Dance"—Variety. 3.0—Records. 4.30—"Mont Royal"—Sequence from Werner Beumelburg's Book (arr. Meckel). 5.0—Station Orchestra, Conductor:

Bruck.
6.0—" Walter Kollo"—Musical Sequence from the Deutschlandhalle, Berlin. 6.40—Sports.

String Trio in G minor (Berger) by Grete Eweler (Violin), Irmgard Veidt (Viola) and Helma Bemmer ('Cello). 9.45—Weather.

10.0-11.55—Variety and Dance Music with Egon Kaiser from the Deutschlandhalle, Berlin.

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

SUNDAY (November 1)

5.0 a.m.—See Hamburg. 7.0—Water Level; Weather. 7.5-7.25—Gym. 7.45—Ria Jost (Organ Chorals). 8.0— Protestant Service. 8.45—Reading. 9.0—Hitler Youth Programme. 9.30—Reading (Kneip). 9.45—Labour Service Festival from the Gloria Cinema, Giessen.

10.30-See Hamburg. Music. Hauck Band and Artists.

1.0 p.m.—See Stuttgart. 1.45—Stories of the People. 2.0—For Country

People. 3.0 Orchestra from Wiesbaden. Con-

ductor: Schalck.

5.0—Songs and Music by Hitler Youth (Recorded).

5.30—Records: Classical Music.

6.0—"Home Sickness"—Se-

quence (Dauthendey). Music by Wild.

6.50—Sports.
7.0—Station Orchestra, Conductor:
Rosbaud. Gertrud Rünger (Songs).
Hermann Töttcher (Oboe). Part I. Hermann Töttcher (Oboe). Part I. Handel Music. Water Music. Aria, "Julius Caesar." Oboe Concerto. Recitative and Aria, "Julius Caesar." Part II. Overture, "Die Zwillingsbrüder" (Schubert). Scene and Aria, "Oberon" (Weber). March, "Le Cid" (Cornelius). Part III. Italian Music. Overture, "Luise Miller" (Verdi.) Aria, "Don Carlos" (Verdi) Serenade (Stradella-Malipiero). Canoni amorose (Bassani-Malipiero). serenade (stradella-Malipiero). Canzoni amorose (Bassani-Malipiero). Part IV. Wagner Music. The Ride of the Valkyries. Aria, "The Dusk of the Gods." Prelude and Death of Isolda, "Tristan and Isolda." 9.0—Time; News. 9.15—Sports.

9.30—See 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

over, Maguebus kc/s (225.6 m.). 5.0 a.m.—Harbour Concert. 7.0—News. 7.10—Cycle Race. Report from the 7.20—Gym. 7.35— 7.20—Gym. 7.35— Festival from the Burg Dankwarderode, Brunswick. Prof. Diener and his Collegium musicum; Talk by Herr Rosenberg. 8.45—"It happened in

November. ... "
9.0-9.15—" November "—Cantata (Sidow). 9.30-10.0—Meditation.
10.30—Hitler Youth Music Festival

from the Landestheater, Brunswick, Orchestra, Conductors: Abendroth and Gerhard Maasz. Feierliche Mu-

and Gernard Maasz. Feierliche Musik (Maasz). Partita (Spitta).

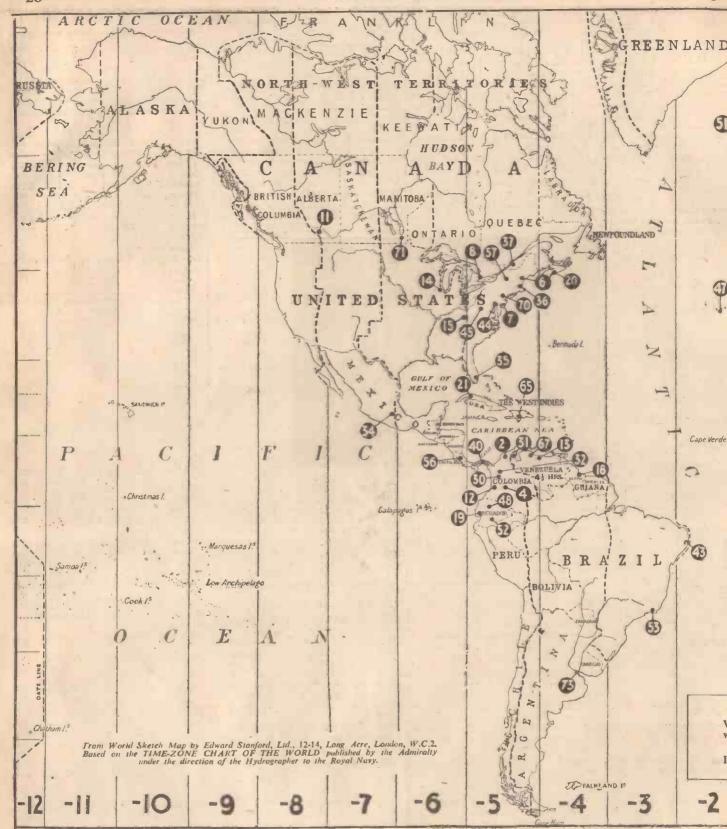
11.10—Music from Berlin; at 11.55: Weather. 1.0 p.m.—"Jörn ward lieker Köni!"—Dialect Play for Children (Hecker), Music by Tenne. 2.0—Brazilian and Japanese Folk Songs (Recorded). 2.20—Schubert Recital by the Blind Pianists Ernst Blandow Karl Niemann. Fantasia in F minor. Two Marches.

2.45 Commentary on the Second Half of the Rugby Match, Germany v. France.

3.25—Concert from Saarbrücken.
3.25—Concert from Saarbrücken.
5.0—"Gutenberg"—Play (Walter), with Music by the Station Male Voice Choir, Conductor: Gregor. 5.45—Station Dance Band, Conductor: Gebhardt. 6.35—Sports; Weather.
7.0—Second "People's" Concert from the Musikhalle. Station Orchestra.

0—Second "People's Concert Itolic the Musikhalle. Station Orchestra, Conductor: Thierfelder. Robert Casadesus (Pfte.). Bernhard Jak-schtat (Baritone). Part I. Mozart Schtat (Baritone). Part I. Mozart Music. Suite of Unfamiliar Pieces (arr. Gohlez). Aria, "Don Giovanni." Pfte. Concerto in D. Part II. Don Juan (R. Strauss). Pfte. Concerto in A (Liszt). Song: Die drei Zigeuner (Liszt). Overture, Carneval romain (Berlioz).

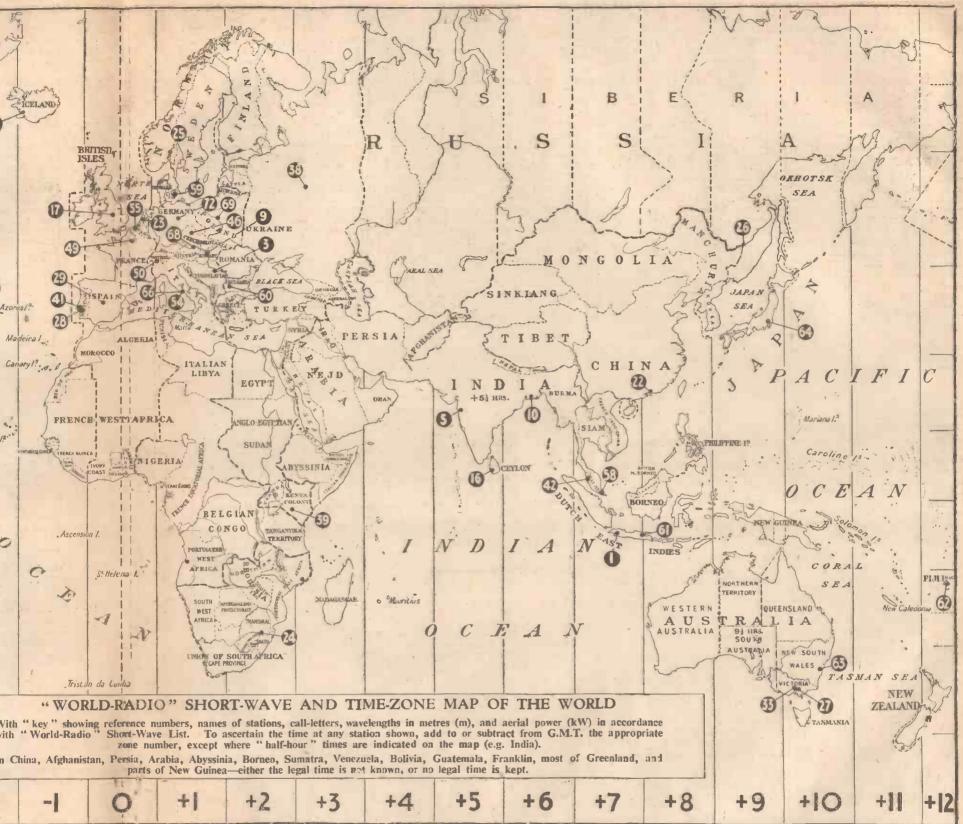
9.0—News. 9.30-11.0—See Munich.



Ref.	Station	Call	1112.	kW
1	Bandoeng (Java)	PMA	15.50	
	Bandoeng (Java)	PMN	29.24	3
1	Bandoeng (Java)	PLE	15.93	60
1	Bandoeng (Java),	PLP	27.25	3
2	Barranquilla (Colom-			
	bia, S. America)	HJIABB	46.52	1
2	Barranquilla (Colom-			
	bia, S. America)	HJIABG	49.65	0.15
3	Belgrade (Yugoslavia)		49.18	1
4	Bogotá (Colombia, S.			
	America)	HJ3ABH	49.85	1.6
5	Bombay (India)	VUB	31.36	4.5
6	Boston (Mass.)	WIXAL	49.67	10
			25.45	10
71	Bound Brook (New	W3XAL{	49.18	35
8	Jersey, U.S.A.)		16.87	35
9	Bowmanville (Canada)	CRCX	49.26	0.5
9	Budapest (Hungary)	HAS3 HAT4	19.52	
73	Budapest (Hungary) Buenos Aires (Argen-	LRU	32.88 19.62	5
13		LKU	19.02	2
1	tine)			

		m.	kW
73	LRX VUC VE9CA HJ5ABD YV2RC YV4RC W9XAA W9XF W8XAL GSB GSC GSB GSC GSP GSG GSF GSG GSI GSI GSI	31.32 49.1 49.75 49.3 51.72 48.78 47.05 49.33 49.18 49.6 49.6 49.5 31.35 25.29 19.82 16.86 13.97 19.66	5 0.5 0.1 0.1 1

Ref.	Station	Call	m.	kW
17	Daventry	GSL	49.1	15
17	Daventry	GSN	25.38	10
17	Daventry ,	GSO	19.76	10
17	Daventry	GSP	19.60	15
23	Eindhoven (Holland)	PCJ	19.71	20
23	Eindhoven (Holland)	PCJ	31.28	20
18	Georgetown (British			
	Guiana)	VP3MR	42,36	0.15
19	Guayaquil (Ecuador)	HC2RL	45	0.2
20	Halifax (Nova Scotia)	VE9HX	48.92	0.2
21	Havana (Cuba)	COCD	48.92	0.25
21	Havana (Cuba)	COCO	49.92	0.5
21	Havana (Cuba)	COCH	31.8	- 1
22	Hong Kong	ZCK3	34.29	0.5
23	Huizen (Holland)	PHI	25.57	23
23	Huizen (Holland)	PHI	16.88	23
24	Johannesburg (S.A.)	ZTJ	49.2	5
25	Jelöy (Norway)	LKJ1	31.48	1
26	Kharbarovsk	1		1
	(U.S.S.R.)	RV15	70.2	20
27	Lyndhurst (Australia).	VK3LR	31.32	1
28	Lisbon (Portugal)	CSL.	48.78	0.5
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28	Lisbon (Portugal)	.CT1AA	31.07 25.36	2.5	
28	Lisbon (Portugal)	CTICT{			ı
29	Madrid (Spain)	EAQ	30.43	20	l
30	Manizales (Colombia)	HJ4ABB	49.15	0.3	ı
30	Manizales (Colombia)	HJ4ABL	49.45	0.15	h
31	Maracaibo (Vene-				
		YV5RMO	51.28	_	
32		HJ4ABA	25.62		
32		HJ4ABE	50.6	0.05	
		VK3ME	31.55	1.5	
34		XEBT	50	1	
35		W4XB	49.67	2.5	
36		WIXK	31.35	10	
37	Montreal (Canada)	VE9DN	49.96	6	
38	Moscow (U.S.S.R.)	RW59	50	20	
38	Moscow (U.S.S.R)	RNE	25	20	
39		VQ7LO	49,31	0.5	
40	Panama City (Panama)	HP5B	49.75	0.1	
41	Parêde (Portuguese	CTICOS	24.2	0.35	
	Radio Club)	CHOOL	48.4	5	
	28 29 30 30 31 32 32 33 34 35 36 37 38 38 39 40	28 Lisbon (Portugal) 29 Madrid (Spain). 30 Manizales (Colombia). 31 Manizales (Colombia). 32 Medellin (Colombia). 33 Methourne (Australia). 34 Mexico City. 35 Millis (U.S.A.). 36 Millis (U.S.A.). 37 Montreal (Canada). 38 Moscow (U.S.S.R.). 39 Nairobi (Kenya) 40 Panama City (Panama). 41 Paréde (Portuguese	28 Lisbon (Portugal) CT1AA { 28 Lisbon (Portugal) CT1CT { 29 Madrid (Spain) HJ4ABB J30 Manizales (Colombia) 30 Manizales (Colombia) 31 Maracaibo (Venezula, S. America) Medellin (Colombia) J32 Medellin (Colombia) J4 Mexico City XEBT J35 Miami (Florida) W4XB W1XK W4XB W1XK W59 Moscow (U.S.S.R.) W4XB W1XK W59 Moscow (U.S.S.R.) RNE J8 Moscow (U.S.S.R.) RNE W59 Nairobi (Kenya) W7LO HESB W1XG W1XG W1XG W1XG W1XG W1XG W1XG W1XG	28 Lisbon (Portugal) CT1AA	28 Lisbon (Portugal) CT1AA

		9		
Ref.	Station	Call	m.	kW
42	Penang (S.S.)	ZHJ	49.33	0.05
43	Pernambuco (Brazil) Philadelphia (Pa.,	PRAS W3XAU{	49.67 49.5	10
	U.S.A.)	WOXAU	31.28 48.86	10
45	Pittsburgh (Pa.,	W8XK.	25,27	40
	U.S.A.)	WONING	19.72 13.93	40
46	Poděbrady (Prague)	}	49.05	- 40
70	(Czechoslovakia)	OLR {	25.51 19.69	-
47	Ponta Delgada			
48	(Azores)	CT2AJ	75	0.05
40	America)	НСЈВ	36.5	0,25
49	Radio - Colonial	TPA4	25.6 25.23	12
	(Paris, France)	TPA2	19.68	12
50	Radio Nations (Prangins, Switzerland)	НВР	38,48	20
50	Radio Nations	HBL	31.27	20
51	Reykjavik (Iceland)	TFJ	24.52	7.5

Ref.	Station	Call	m.	kW
52 53	Riobamba (Ecuador, S. America) Rio de Janeiro (Brazil)	PRADO PRF5	45.31 31.58	
54 55	Rome (Italy)	2RO {	25.4 31.13 29.04	25 25 9
56 56	Ruysselede (Belgium). San José (Costa Rica) San José (Costa Rica)	TIX	51.52	0.5
57 57	Schenectady (U.S.A.) Schenectady (U.S.A.)	W2XAD W2XAF	19.57 31.48	18
58 ⁻ 59 60	Singapore (S.S.) Skamlebaek (Denmark) Sofia (Bulgaria)	ZHI OXY LZA	49.85 49.5 20.04	0.09
61 62	Sourabaya (Java) Suva (Fiji)	YDB VPD2	31.09 31.45	i
63 64 64	Sydney (Australia)	VK2ME JZI JZK	31.28 31.48 19.8	20
64	Tokio (Japan) Tokio (Japan) Truiillo City (D.R.)	JVN	28.01	20
65	Trujillo City (D.R.)	HIZ	47.5	-

Ref.	Station	Call	m.	kW
66 67 68	Vatican City (Italy) Valencia (Venezuela) Vienna Experimental	HVJ { YV6RV	50.26 19.84 46	10 10 0.5
69	(Austria)	OER2 SPW	49.41 22 49.02	1.5 10 1
70	Wayne (N.J.)	W2XE	25.36 19.65 13.94	1
71	Winnipeg (Canada)	CJRX	25.6	2
71	Winnipeg (Canada)	CJRO	48.78	2
72	Zecsen (Germany)	DJA	31.38	5-50
72	Zeesen (Germany)	DJB	19.74	5-50
72	Zeesen (Germany)	DIC	49.83	5-50
72	Zeesen (Germany)	DID	25.49	5-50
72	Zeesen (Germany)	DJE	16.89	5-50
72	Zeesen (Germany)	DJL	31.45	5-50
72	Zeesen (Germany)	DIO	19.63	5-50
72	Zeesen (Germany)	DJR	19.56	5-50
12	Zeesen (Germany)	DIK	17.50	3230

SUNDAY (November 1)

HILVERSUM (1,875 m.) (Holland) 160 kc/s; 10 kW until 2.40 p.m.; 100 kW from 2.40 p.m. 8.10-9.10 a.m.—K.R.O. Religious Pro-

gramme. 9.10-11.55—N.C.R.V. Programme. 9.10 Grand Music on Records. 9.30— -Sacred Music on Records. Service.

Service.

11.55 a.m.-4.40 p.m.—K.R.O. Programme.

11.55—K.R.O. Orchestra.
Conductor: van 't Woud; at 12.40:
Talk. 1.40—Questions and Answers.
2.10—K.R.O. Symphony Orchestra.
Conductor: van Otterloo. Josef
Wagner (Pfte.). In the intervals:
Records. 3.40—For Hospitals. 4.35—
Sports

Sports.
4.40-7.25—N.C.R.V. Programme. 4.40
—"Looft den Heer" Women's Choir.
Conductor: Pul. v. Beelen (Organ). 5.10—Sacred Music on Records. 5.30—

Service: Sacred Music.
7.25 till Close Down—K.R.O. Pro-7.25-Sports; Religious gramme. Address; News.

8.0—Sacred Concert. José Candel (Songs), Boshart (Pfte.), Schaer (Recitations). 9.0—Records and Recita-

9.40—Cantata (Handel). K.R.O. Choir and Orchestra. Conductor: Vermeulen. Haase - Pieneman (Soprano). Sophie Haase-Pieneman Annie Hermes (Contralto), Cor van Munster (Tenor), Lammen (Bass). 10.10 —News; Records; Epilogue. 10.40-11.10—Esperanto Talk.

HILVERSUM (301.5 m.) (Holland) 995 kc/s; 15 kW until 2.40 p.m.; 60 kW from 2.40 p.m. 8.35-11.40 a.m.—V.A.R.A. Programme.

8,35 a.m.—Records. 8,40—News; Talk. 9,15—Records; Talk. 10,10— V.A.R.A. Orchestra, Conductor: Tig-Talk.

11.40-4.40 p.m.—A.V.R.O. Programme. 11.40—Time. 11.41—Valentijn Schoonderbeek (Organ) from Naarden Church. 11.50—A.V.R.O. Orchestra, Conductor: Van Raalte. In the intervals: Elly van Stekelenburg (Krontjon Songs). 1.10 p.m.-Weekly Book Talk.

p.m.—Weekly Book Talk.

1.40—Commentary on the International Football Match, Holland v. Norway, from the Olympic Stadium, Amsterdam.

3.40—A.V.R.O. Dance Band, Conductor: Mossel. 4.25—News; Re-

4.40-5.40—V.A.R.A. Programme. 4.40 -V.A.R.A. Orchestra, Conductor: Roekel. 5.35—News.

5.40-7.40—V.P.R.O. Programme. 5.40—Commemoration Programme. 6.10— Records. 6.25-Service.

7,40 till Close Down—A.V.R.O. Programme. 7.40—Time; News. 7.55—A.V.R.O. Orchestra, Conductor:

7.55—A.V.R.O. Orchestra, Conductor: Van Raalte. Albert Spalding (Violin). 8.40—Play. 9.5—Joe Petersen (Treble). Pierre Palla (Pfte.). 9.35—Topical. 9.50—Renova Quintet. 10.40—News. 10.50-11.10—A.V.R.O. Dance Band, Conductor: Mossel. 11.10-12.40 a.m. (Monday)-Records.

KALUNDBORG (Denmark)

240 kc/s (1,250 m.): 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.). 7.0 a.m.—Gym. 7.45—French Topical-ities. 8.0—German Talk. 8.15— English Lesson. 8.30-8.55—Talk: English Lesson. 8.30-8.55—Talk:
Evening Schools for Country Folk. 9.0—Service from Viborg Cathedral. 10.40—News. 11.0—Chimes. 11.2-1.0 p.m.—Radio Orchestra. Con-

ductor: Hye-Knudsen. Marche lorraine (Ganne). España (Wald-teufel). Overture, "Das Modell" Italian Royal March, San (Silva). Selection, "The (Suppé). (Suppe). Italian Royal Water, Sale Lorenzo (Silva). Selection, "The Gipsy Princess" (Kálmán). March, Hoch Heidecksburg (Herzer). Ballet égyptien (Luigini). Come, Sing to égyptien (Luigini). Come, Sing to me (Thompson). Norwegian Rhap-

sody (Svendsen). Valse des neuro (Tchaikovsky) King Christian X (Andersen). Military Gallop Reading. March (Andersen). Militar (Lumbye); at 11.50: (Lumbye); at 0—For Children. 1.30-Records 2.0—Commentary on the Football Cup Final from the Sports Park.

2.25—Fourth People's Concert from the State Broadcasting Building.

Radio Symphony Orchestra. Guest Conductor: Malko. Rena Madsen (Songs). Schiøler (Pfte.). Coronation March, "The Prophet" (Meyer-March, "The Prophet (Meyerbeer). Aria, "Robert of Normandy" (Meyerbeer). Suite, "Swan Lake" Invitation to the (Meyer-(Tchaikovsky). Invitation to the Dance (Weber). Hungarian Fantasia Invitation to the

(Liszt). Hungarian Rhapsody (Liszt) 4.0—Service from Christiansborg Castle Church, 5.29—Talk: The Domestic Science Course at Aarhus University. 6.0—News. 6.30—Talk from 7.1—"The Hansens"— Bergen: Norwegian Industries. Chimes.

Sketch (Locher).
7.15—Danish Songs by the "Bel Canto" Male Voice Choir. Conductor: Agersnap. Lille Band (Gram). Sommarliuset (Gram). the "Bel Sommarljuset (Gram) Høstsang (Lange-Müller). Gensyn med Danmark (Bentzon). Hvor smiler fager den danske Kyst (Ring). Gensyn Solen blev borte (Agersnap). Angelus

(Novi). Spillemaendene (Ring).
7.40—"Don Quixote" (Cervantes)
—Reading with Introductory Talk.
8.5—Sonata in D minor (Brahms) by Else Bruun (Violin) and Folmer Jensen 8.25 — The Lolland Beet

Industry—Report.

8.50—"Knud Rasmussen"—Cantata (Sandberg-Nielsen), by Astrup (Baritone), the "Bel Canto" Male Voice Choir and Fischer and Hansen (Two Pfte 9.5—News. Pftes.).

9.15-Danish Music. Radio Orchestra. Conductor: Grøndahl. Excerpts, "Hakon Jarl" (Hartmann). Overture, "Aladdin" (Horneman). Excerpt, "I Alhambra" (Lange-Müller). Excerpts, "Maskarade" (Nielsen). Excerpts, "Maskarade" (Niels 10.0-11.30—Olesen Dance Band; 11.0: Chimes.

KÖNIGSBERG (No. 1) (Heilsberg)

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

5.0-7.0 a.m.—See Hamburg. Protestant Service. 9.0—Hitler Youth Music Festival (Recorded) (For details see 8.0 a.m., Hamburg.) 9.45—Announcements. 9.50—For Mothers. 10.0—"The Great War"—Letter and -"The Great War"—Le Poens of Fritz Kudnig. 10.30—See Hamburg. 11.10—Music from Berlin:

at 12.0 noon: Weather. 1.0 p.m.—Chess. 1.30—Talk: Photography. 1.45—Records: Light Music. 2.10—For Women. 2.30 Topical.

See Hamburg. 3.25—Popular Music. Station Orchestra, Conductor: Wilcken. Irmgard Armgart (Soprano). Emil Frickartz (Tenor). Siegmund Roth (Bass). (Tenor). Siegmund Roth (Bass). S. O. Wagner (Speaker). 5.10—November Calendar. 5.40—"Wireless in Simon Dach's Home"—Sequence (Hilpert). Music in Old (State (Paust) 6.40 (from Danzig)— Style (Brust). 6.40 (from Danzig)—

7.0—Historical Marches-Sequence (Kuhn). Military Band, Conductor: Gareis. Werner Rockel (Compère).

9.0—News. 9.20 (from Danzig)—Football Match Report: Saxony v.

9.35-11.0—Serenade by the Börschel Band.

LEIPZIG (Germany)
785 kc/s (382.2 m.); 120 kW.
Relayed by Dresden, 1,285 kc/s (233.5 m.). 5.0 a.m.—See Hamburg. 7.0—Walter Niemann (Organ). 7.30-Choral Records

8.0-8.45—See Hamburg

9.15-Meiningen Railway Workers' Choir, Conductor: August König. 10.0—Variety Records. 11.0—See Berlin. 1.0 p.m.—Weather.

Autumn in the Village.

Aschenpüster "—Fairy 1.5—Talk: 1.25—" Der Play (Schuder).

1.50—Light Music. Accordion, certina and Mouth Organ Bands. Accordion, Con-2.40-Talk: From Zittau to Görlitz. 3.0—Variety, from Sebnitz.

Reading.
5.20—Weber Concert. Paul Reinecke
(Tenor). Rümmler (Flute). Hammerla (Clarinet). Rebhan ('Cello).

Plumer (Pftc.). Clarinet and Pftc. Blumer (Pfte.). Clarinet and Pfte.
Duet. Songs: (a) Gebet während der
Schlacht, (b) Abschied vom Leben,
(c) Mein Vaterland. Trio in G minor.
6.0 (from Dresden)—" Mir Waber warn
ne unterginn"—Dialect Sequence with

Music (Andert-Ebersbach).

6.55—Sports.
7.0—Concert. Leipzig Symphony Orchestra and Station Choir, Conduc-tor: Hilmar Weber. Gertrud Callam and Rosl Seegers (Sopranos). Paul Reinecke and Louis Kaliger (Tenors). Hans Remagen (Baritone). Overture, "Isabella" (Suppé). Aria, "Die Hans Remagen (Baritone). Overture, "Isabella" (Suppé). Aria, "Die Glücksreiterin" (Smigelski). Duet, "Die Königin vom Naschmarkt" (Smigelski). Excerpts, "Das verwunschene Schloss" (Millöcker). Suite, "Sieben Mädels im Fenster" (Schütt-Hilmar Weber). Ländler and Song, "Das Dorf ohne Glocke" (Künneke). Excerpts, "Aennchen von neke). Excerpts, "Tharau" (Strecker).

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. 8.0 p.m.-Sports.

-Records of Marek Weber's Or-

chestra. 8.30—See Paris (Eiffel Tower). 10.45—

MONTE CENERI (Switzerland) 1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 10.0 a.m.

5.15 p.m.—Old Italian Arias sung by Lonny Mayer. Herschel (Harpsichord). Quanto è folle quell'amante (Pasquini). La mia fede altrui giuratax (Carissimi). Vengo a stringerti (Scarlatti). Son in dubbio d'amor. Giunta à l'ora fatale. 5.45—Sports. 6.15—Records. 6.45—

News. Requiem Mass (Perosi) by the

Concordia Choir. Conductor: Filipello. 7.30—Zoppo and Negri Poems

read by Picozzi.
7.45—Vicari (Organ) from the Church of the Holy Angels. Offertory (Wambach). Invocation (Bach). Elevation (Mendelssohn). Prelude and Grave (Kunc).

8.0-Talk: The Cult of the Dead

throughout the Ages. 8.15—Beethoven Concert. Radio Orchestra. Conductor: Casella. Over-ture, "Egmont." Symphony in A. 9.0-9.15—Sports.

MORAVSKÁ-OSTRAVA (Czechoslovakia)

1,113 kc/s (269.5 m.); 11.2 kW. Transmits at intervals from 5.45 a.m. 4.50 p.m. - German Transmission: Conby the Station Orchestra. Conductor: Kretschmar. Annie Nacher (Songs). Jeletz (Pfte.). Pfte. Concerto in D Minor (Bach). Concert Aria (Mozart). Serenade (Mozart). 5.50-10.30-See Prague.

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—

Roman Catholic Service. oman Catholic Service.

30—Beethoven Recital by Staab (Pfte.). Sonata in E minor. Thirty-Two Variations in C minor. 9.0—
"Deutsches Gebet"—Poem (Böhme). Music by Lauer (Recorded). 9.30— "Old Bavarian Burial Customs"-Sequence (Hunkele), with Music by the Munich Folk Song Trio. 10.10— For Peasants. 10.30—Hitler Youth Music Festival (Recorded). (For details see 8.0 a.m. Hamburg.)

11.15—Station Orchestra, Conductor: Milhalovic. Troibner ('Cello). Over-ture, "Iphigenia in Aulis" (Gluck.) Movement from the Violin Conertoc (Tchaikovsky). Herzeleid (Schwartz).
'Cello: Romance (Stohandl-Pavelko). Ein bisschen traurig (Suk).
Symphonic Intermezzo (Mascagni). 11.55-Weather.

12.0 noon (from Nürnberg)—Orchestra. 2.0 nooh (from Nathoerg)—Otherstra Conductor: Böhm. Overture, Fels im Meer (Rust). Suite, "L'Arlé-sienne" (Bizet). Finnish Fantasia (Schroeder). Selection, "Madame Butterfly" (Puccini). Two Pieces

sienne " (Bizet). Finnish Fantasia (Schroeder). Selection, "Madame Butterfly" (Puccini). Two Pieces (Damp). Spanish Caprice (Kutsch).

1.0 p.m.—"Das rote Moor"—Fairy Story after Irish Legends (Glas). 1.45—Trio in F (Gade) by the Station Chamber Trio. 2.5 (from Nürnberg)—All Saints' Day Concert. Lissy Bühler (Contralto), Fritz Zartner (Organ), and Franz Kost (Speaker). 2.40—War Reminiscences by Martin Breitenacher.

3.0—See Stuttgart. 5.0—Talk: Under-3.0-See Stuttgart. 5.0-Talk: Underground Munich.

5.20 (from Nürnberg)—Orchestra. ductor: Böhm. Lissy Bühler (Contralto). Suite, Der Bundschuh fliegt (Schneidt). Fränkisches Leben (Böttcher). Suite, Um fränkisches Fränkisches Leben Geschehen (Günther).

Ouvertüre (Scharrer). Ritterliche

6.35-Call of Youth, 6.40-Sports. 7.0—Station Orchestra. Conductor: Winter. Carola Farma (Soprano). Winter. Carola Farma (S Marius Andersen (Tenor). Havemann (Violin). Overture, "Alcestis" (Gluck). Aria, "Fritjof" cestis" (Gluck). Aria, "Fritjof" (Bruch). Violin Concerto (Kempff). Venetian Suite (Wolf-Ferrari). Aria, "Fidelio" (Beethoven). Prelude, Act III, "Palestrina" (Pfitzner). Songs (R. Strauss): (a) Allerseelen, (b) Cäcilie. Death and Transfiguration (R. Strauss).

9.0—Time; News. 9.30-11.0—Serenade. Station Orchestra, Milhalovic. Conductor: Ludwig Kusche and Ludwig Schmidmeier (Pftes.).

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—German Lesson. 8.30-English Lesson. 9.0-Symphony in F flat minor (Haydn) on Records. 9.25—Service. 11.45—News.

12.0 noon-1.0 p.m.—Station Symphony Orchestra. Conductor: Kielland. Symphony in C minor (Beethoven). Symphonic Poem, Don Juan (Strauss). 3.10—Daasvand (Norwegian Sacred Songs). 3.40—Talk: Norwegian

Terminology. 4.0—Station Orchestra. Conductor: Fjeldstad. Overture, (Bizet). Selection, "Mignon" (Thomas). (Thomas). Suite (Olsen). Hebrew Melody (Achron). French Serenade (Grieg). The Swan (Palmgren). Pot-

(Grieg). The bound of the pourri (Hruby).

Report: International Football Norway, from 5.0—Report: Match, Holland v. Norway, from Amsterdam (Recorded). 5.15—Talk.

5.30—Bergh (Violin) and Synnøve Aasen (Pfte.). Suite for Pfte., Nord-land Pictures (Johansen). Passacaglia

(Sammartini). Rondino (Kreisler). Capriccioso (Böhm). Norwegian Dance (Grieg-Flesch). Pastorale (Stravinsky). Russian Song and Dance (Sasonov).
6.10—News. 6.30—Time; Norwegian

History Lesson.
6.55—Records of Gaspar Cassado
('Cello). Minuet (Haydn). Ode
(Tcherepnin). Requiebros (Cassado). Tonadilla (de Lasorna). Arlequin (Popper).

7.10—Talk.
7.30—"Down the Rhine"—Sequence with Choir and Orchestra. 8.40—News. 9.0—Topical. 9.15—Sports. 9.30-10.30—Dance Records.

PARIS (Eiffel Tower) (France) 1,456 kc/s (206 m.); 5 kW.
Transmits at intervals from 8.0 a.m.
5.30 p.m.—Television. 7.30—Racing.
7.40—Topical. 8.15—News.

7.40—Topical. 8.15—News.
8.30—Liszt Anniversary Concert. Ina
Marika (Pfte.). Lucienne Astruc
(Songs). Rhapsody. Pensée des morts.
Pater Noster. Hymne de l'enfant à
son réveil. Songs: (a) Quels rêves
doux et merveilleux, (b) Oh! quand
je dors. Talk by Gustave
Samazaville. Phansady. Two Songs. Samazeuilh. Rhapsody. Two Songs. Funérailles.

PARIS (Poste Parisien) (France)

959 kc/s (312.8 m.); 60 kW. 7.50 a.m.—Call. 7.52—Records. 8.2 7.50 a.m.—Call. 7.52—Records. 8.2 —News. 8.26—Announcements. 8.36 —Song Records. 9.1—News. 9.25— Records. 9.30—For Young People. 9.50—Records. 10.50—Folies-Bergère Orchestra. Conductor: Darrieux. 11.35— "Winter"—Records. 11.50—Records. 12.5 p.m.—Records for Children. 12.15— —Guignol. 12.45—Charco and Matina. 1.2—Raymond Souplex and Jane Sour-za. 1.30—Records. 1.45-2.0—Light Music.

Half of the Rugby Match, Germany v. France, at Hanover. 5.30—Records: Light Music. 7.0—News. 7.25— Operetta Records. 7.35—Records: Viennesc Music by the Vienna Salon Orchestra. 7.50—Frères Jacasse. 7.55—Song Records. 8.5—Paul Reboux. 8.20—Light Music. 8.35—Mile. Bordas. 9.0—Amateurs at the Micro-



Exclusive " World-Radio " Picture.

Mdlle. Cermaine Cernay, the "Eurydice" in Milhaud's opera (Paris PTT, 8.30 p.m.)

9.30—"Follow the Guide"—Sketch (Diamant-Berger-Nohain). 9.55—Willie Lewis Dance Band. 10.30-11.30— Records: Light Music,

PARIS (PTT) (France)
695 kc/s (431.7 m.); 120 kW.
6.50-9.46 a.m.—News; Topical. 9.46—
Dialogue (Wisner). 10.0—Pascal Orchestra. Germaine Parat (Songs). Cantrelle (Violin). Pascal ('Cello). Tollet (Pfte.). 12.0 noon—Light Music and 2.45-3.25—Commentary on the Second Dance Music by the Derveaux Orches- 3.0—Porée Orchestra. Odette Bergeal

tra. 12.45 p.m.—News. 1.0—Orchestra (contd.). 2.0—Records: Marches and Light Music. 3.0—Symphony Concert. 5.0—Records: Serenades. 5.30—"Le miracle de l'enfant Bavard"—Play in Three Acts (Ghéon). 6.30—News; Topical. 7.45—Lydia Chaliapin-Jean Rieux Programme. 8.15—Sports. 8.30—Concert and Opera. Part 1.

8.30—Concert and Opera. Part 1:
Orchestra. Conductor: Rosenthal,
Micheline Kahn (Harp) and others.
Overture, "Iphigenia in Aulis"
(Gluck). Harp and Orchestra: Choral and Variations (Widor). Ballad (Jaubert). Excerpt, "Rédemption" (César Franck). Part II: "Les malheurs d'Orphée"—Opera in Three Acts (Milhaud). In the interval: Readings (Boileau). 10.30

PARIS (Radio-Paris) (France)

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

7.0 a.m.—Records: Arabesques. 7.15—
News.—745—Gym.—80 Paccade News. 7.45—Gym. 8.0—Records: French Classical Music. 8.30—Records: Symphony Music. 8.40—Italian Lessons. 9.20—English Lessons. 10.0—Pontifical High Mass from Rouen Cathedral. 11.45—Records.

12.15 p.m.—Popular Music by the Pasdeloup Concert Orchestra. Conductor: André. Excerpts, "The Prophet" (Meyerbeer).

12.30 Roman Catholic Address. 12:50 -News.

1.0—Popular Music (contd.). Gaston Rey (Songs). March, "Athalie" (Mendelssohn). Overture, To the (Mendelssohn). Overture, To the story of the lovely Melusina (Mendelssohn). Songs: Overture, "La Dame blanche" (Boiëldieu). Suite, Petites musiques (Fl. Schmitt). Prayer and Temple Dance (Grieg). Excerpts, "Martha" (Flotow).

2.0—For Young People.

SUNDAY (November 1)

(Songs). Overture, " Egmont " (Beethoven). Pavane pour une Infante défunte (Ravel), Prelude, Cavatina and Prayer, "The Pearl Fishers" défunte (Ravel), Prelude, Cavatina and Prayer, "The Pearl Fishers" (Bizet). Orientale (Cui). Song. Excerpts, "Le Chemineau" (Leroux). Still wie die Nacht (Böhm). First Movement from the Pastorale (Moreau). Violin Piece. Intermezzo, "Carmen" (Bizet). Song. Prelude and Song, "L'attaque du moulin" (Bruneau). Prelude, "Messidor" (Bruneau). Barcarolle (Offenbach). Prelude (Haydn-Wood). Song. Suite, L'Arlésienne (Bizet).

L'Arlésienne (Bizet).
7.0—"Gracieuse et Percinet" (Crozière)

by Bilboquet and Troupe.
7.30—The Bayan Singers. Simon's Prayer (Stokin). Song of the Cherubins (Lomakin). Pater Noster (Scheremetiev). Praised be the Lord (Archangelsky). Glory to God (Bortniansky). Repent (Bortniansky). Kyrie Eleison (Lvovsky). Cathedral

Bells (Lvovsky).

8.0—Maurice Maréchal ('Cello). Suite
(Bréval). Elégie (Fauré). La fileuse
(Fauré). Spanish Dance (Falla). Spanish' Serenade (Glazunov).

Spanish Sciences
8.30—News.
8.45—"The Passing of the Third Floor
Back"—Play in Three Acts (Jerome
K Jerome). French Translation by

K. Jerome). Fre Andrée Méry. 10.45-12.15 a.m. (Monday)-Time: 0.45-12.15 a.m. (Monday)—Time; French Music by the Krettly Orchestra. Suite française (Périlhou). Recueillement (Gallon). Ronde de nuit (Boëllmann). Berceuse du souvenir (Delmas). Nocturne (Debussy). Suite (Saint-Saëns). Aux étoiles (Duparc). Chant des matelots (de Sévérac). Cloches dans la brume (Spaline). Esquisses (Gaubert).

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S.3

SUNDAY (November 1)

PRAGUE (Czechoslovakia)

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

5.45 a.m.—Call; Gym; Music; News. 6.30—Karlsbad Municipal Orchestra. 7.20—Police Messages. 7.30—Sacred Music. Station Choir and Wiedermann (Organ). 7.55—English Lesson. 8.10—Sonata (Jeremias) by Kucera (Viola) and Maxian (Pfte.). 8.40—For Workers. 9.0—FOC Orchestra. Conductor

Pekárek. Alla marcia (Smatek).
Overture, "Il Guarany" (Gomez).
Selection, "Tiefland" (d'Albert).
Waltz, "Lazy John" (Nedbal). Triumphal March, "Aïda" (Verdi).

9.40—Literary Talk with Reading:
Italy. 10.10—Books.

10.15—Bach Concert. Station Orchestra, Kabelac Chamber Choir and others. 11.0—Chimes; Record. 11.10 —News. 11.20—Orchestra and Violin from Kosice. 12.25 p.m.—For Farmers. 12.40—Talk. 12.50-1.5—For German Farmers. 1.25—Talk.

1.30—" Tales of Hoffmann "-Opera in Three Acts (Offenbach), from the State Opera. Conductor: Charvát. 4.10—Poems. 4.25—Records. 4.35— Talk and Review in German. 4.50— Orchestra, Songs and Pfte. from Morav-ská-Ostrava. 5.50—News (German); ská-Ostrava.

Record. 6.0—News.
6.5—All Saints' Day Programme of
Czech Poems and Music. Poem
(Wolker). Movement from the Trio in G minor (Smetana).

6.20—See Brno. 7.0—Talk on the following Concert. 7.5—Requiem (Verdi). Czech Philharmonic. Conductor: de Sabata. Hlahol Vocal Ensemble, Wiederman (Organ), and others. In the interval: Talk. 9.0—Time; News. 9.20—Record. 9.25—News (German). 9.30—Records. News (German). 9.30-10.30—Records.

RADIO-NORMANDIE (France)

1,113 kc/s (269.5 m.); 15 kW. 7.0 a.m.—Military Music. 7.10—News. 7.50—Records. 8.0—Light Music. 8.30—Saered Music. 8.45—Military Band. 9.0—Songs. 9.15—Records. 9.30—Light Music. 9.45—Records. Band. 9.0—Songs. 9.15—Records. 9.30—Light Music. 9.45—Records. 10.0—Waltzes. 10.15—Light Music. 10.30—Records. 10.45—Light Music. 11.0—Records. 11.15—Light Music. 11.30—Ray Ventura and his Collegians. 11.45—Dramatic Excerpts. 12.25 p.m. -Roman Catholic Address. 12.40-News.

News.

1.0—Concert. 2.0—Records. 2.30—
Light Music. 2.45—Records. 3.0—Light
Music. 3.30—Records. 3.45—
Light Music. 4.0—Records. 4.30—
Concert. 5.0—Records. 5.15—Light
Music. 5.30—Records. 5.45—Light
Music. 6.15—Records. 6.30—Concert.
7.0—Records. 7.15—Light Music.
7.30—Concert; at 7.40: News. 8.30—
Sports. Sports.

Sports.

8.45—Operetta Music. Excerpts, "Les noces de Jeannette" (Massé). "The Gipsy Baron" (Strauss), "The Desert Sóng" (Romberg), "A Waltz Dream" (Straus), "Enlevez-moi" (Gabaroche), "La Poule" (Christiné), "Simone est comme ça" (Moretti), "Azor" (Gabaroche), "Bonsoir Paris" (Cazaux), "Faites ça pour moi" (Gabaroche), "The Gipsy Princess" (Kálmán).

10.0—Records. 10.15—Light Music. 10.30—Dance Records. 10.45—Light Music. 11.0—Records. 11.15—Light Music. 11.30—Records. 12.0 m't—Orchestra. 12.30-1.0 a.m. (Monday)—

Orchestra. 12.3 Classical Music. 12.30-1.0 a.m. (Monday)-

RADIO-ROMANIA (Brasov)

(Romania)

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

ROME (Italy)

Rouen

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Programme.

10.9—See Turin. 11.0—Bible Reading. 11.20—See Turin. 11.45—News. 12.0 noon—" Moschettieri 1936." 12.30 p.m.—Announcements; Records. 12.40—Light Music. Conductor: Barzizza. 1.15-2.0—Songs and Instrumental.

2.15—Records; Sports. 2.30—Football Match Report. 3.15—Sports; Records.

3.30—Orchestra. Conductor: Culotta; at 4.15—Sports. 5.30-6.0—Sports; Records. 6.20—Dopolavoro Notes.

ductor: Haug. Calm Sea and Prosperous Voyage. Excerpts, "A Midsummer Night's Dream." Scot-tish Symphosy. tish Symphony.

6.3—Roman Catholic Address.
6.3—Variations on a Folk Theme (Ochs) by the Radio Suisse romande Orchestra, Conductor: Haug. 6.50— News. 7.0—S 7.20—" Faust 7.0—Sports.
Faust "—Five-act Opera

Gounod). Orchestra and Opera Choir. Conductor: Busser. Cast: Vezzani as Faust, Journet as Méphisto, Musy as Valentin, Montfort as Siebel, Cozette as Wagner, Mlle. Berthon as Marguerite, and Mlle. Coffier as Marthe.

9.45-10.15—Tourist Talk: Canton

STOCKHOLM (Sweden)

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

6.30—Records. 7.5—Time; News. 7.30—Sports; Records. 7.40—Introductory Talk to the following Programme.

gramme.
7.45—"Conchita"—Four-Act Opera
(Zandonai). Conductor: The Composer. Chorus Master: Consoli.
Gianna Pederzini as Conchita. In the intervals, Recitations; News (English);
Film Review and News. 10.30-11.0—
Dance Music Dance Music.

SOFIA (Bulgaria)

850 kc/s (352.9 m.); 1 kW. Transmits at intervals from 5.0 a.m. Transmits at intervals from 5.0 a.m.
11.45 a.m.—Operetta Music. 12.20
p.m.—Notes. 12.25-1.0—Light Music
and Dance Music. 3.0—For Peasants.
3.30—Stoyanov (Songs). 4.0—For
Children. 5.0—Dance Music. 5.15
—Light Music. 5.50—Popular Orchestral. 6.25—Symphony Music.
6.45—Concert. 7.45—News. 8.0-9.30
—Light Music and Dance Music; at
8.30: Notes.

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. 10.0—Records: Classical Music. 11.30—News. 11.40 a.m.-1.0 Music. 11.30-p.m.—Records.

5.0—Mendelssohn Concert. Radio Suisse romande Orchestra, Con-

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.—For Farmers. 8.30—Music Talk. 9.15-9.45—Talk. 10.0—Service from Kalmar Cathedral. 11.40—News. 2.0—For Children. 2.30—Records 3.25—Reading. 4.0 (from Göteborg)— 2.30-Records Evensong.

5.0-Scandinavian Music. Radio Or-.0—Scandinavian Music. Radio Orchestra. Conductor: Wiklund. Jussi Björling (Songs). Overture, "The Maid of Orleans" (Söderman). Songs: (a) Trollsjön (Söderman), (b) Tonerna (Sjöberg). Midsommarvaka (Alfvén). Prelude, "Sigurd Slembe" (Svendsen). Pieces (Wiklund): (a) In Folk Style, (b) Andante espressivo. (c) Allegro molto ritmico espressivo, (c) Allegro molto ritmico. Symphonic Dances (Grieg).

6.15-News.

6.15—News.
6.30—"London Wall"—Comedy (John van Druten; trans. Palle Brunius).
8.0—Sigurd Rascher (Saxophone) and Meyer-Radon (Pfte.), from Malmö. Sonata (Bach). Pfte. Etudes (Schumann). Saxophone: (a) Canzonetta (Pergament), (b) Variations on a Corelli Theme (Glaser).

8.45-News. 9.0-Topical.

Björling. Inez Köhler, Brita Ewert, Finar Larsson

STRASBOURG (France)

859 kc/s (349.2 m.); 100 kW. 7.0 a.m.—News. 7.30—Records. 7.40— News (German). 8.0—Gym. News (German).

9.30—Pontifical High Mass for

Saints' Day, from Strasbourg Cathedral. Celebrant: Mgr. Ruch, Bishop of Strasbourg. 10.45—Protestant Service Strasbourg. 10.45—Protestant Service (German). 11.30—Roman Catholic Service, with Address by Mgr. Ruch. 12.0 noon—Records. 12.50 p.m.—Topical; News. 1.15—Orchestra. Conductor: Bour. 3.0—See Paris (PTT). 4.45—Medical Talk: Vaccination.

5.0—Service for the Dead (in German). Cantatas (Bach): (a) Herr, wie du willst, (b) Komm, du süsse Todesstunde, from St. Thomas' Church. stunde, from St. Thomas' Church. St. Thomas' Choir. Station Orchestra, Conductor: Béron. Mlle Forster (Soprano). Mlle Schaaf (Contralto). Schweitz (Tenor). Nussbicker (Bass). 6.30—Topical. 7.15—Records of Miguel Candela (Violin). 7.30—News. 7.45—News (German). 8.0—Sports. 8.20—Press Review (German). 8.30—See Paris (PTT). 10.30—News. 11.0—News. (German).

11.0—News (German).

STUTTGART (Germany)
574 kc/s (522.6 m.); 100 kW.
5.0 a.m.—See Hamburg. 7.0—Weather;
Gym. 7.25-7.45—For Peasants. 8.08.30—Protestant Service.

9.0-Hitler Youth Music Festival (Recorded). (For details see 8.0 a.m. Hamburg.) 9.45—Lecture Recital: Donizetti.

burg.) 9.45—Lecture Recital: Donizetti. 10.30—See Hamburg. 11.10—Music from Berlin; at 12.0 noon-12.15 p.m., Topical Reading. 12.50—Announcements. 1.0—"The Nightingale"—Fairy Play (Andersen-Wollmann); "The Sun and the Moon"—Fairy Play (Meurin). 1.45—From Shops and Workshops. 2.0—Brazilian and Japanese Folk Songs, from Rio de Janeiro and Tokio (Recorded). 2.20—Faiss (Lute). 2.30—Choir from Heidenheim. Conductor:

Choir from Heidenheim. Conductor: Süssmuth.

3.0-Light Music from Saarbrücken. Saarbrücken Orchestra and Theatre Choir, Grete Lüddecke (Contralto), Hans Wocke (Baritone), Else Heinrich and Fritz Griem (Pftes.). 5.0—" Hunting "—Reading. In the intervals: Records.

5.40—Records of the London Phil-

5.40—Records of the London Philharmonic, Conductor: Sir Thomas Beecham. Overture, "La scala di seta" (Rossini). Gipsy Dance and March, "The Fair Maid of Perth" (Bizet). Overture, "The Thieving Magpie" (Rossini).
6.10—Report: The Rugby Match, Germany v. France, at Hanover; Sports Notes.
6.40—"Don Giovanni".—Opera in Two Acts (Mozart). Station Choir and Orchestra, Conductor: Keilberth. Karl Hammes as Don Giovanni, Maria

Hammes as Don Giovanni, Maria Reining as Donna Anna, and Julius Patzak as Don Ottavio. Commentary by Heinz Laubenthal. 9.0-Time; News.

Heinz Laubenthal. 9.0—Time; News. 9.30—See Munich.
11.0-1.0 a.m. (Monday)—Serenade (Records). Part I. Schubert Music (1815-1819). Station Orchestra and Choir, Conductor: Leonhardt. Ria Ginster (Soprano), Hubert Giesen (Pfte.) and Others. Pfte.: Dances. Soprano: The Trout. Trout Quintet in A. Four Songs. Mass in G. Part II. Symphony in F minor (Bruckner). Conductor: Martin Hahn.

TOULOUSE (Radio-Toulouse)

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

9.10-10.0—Act IV "II Trovatore"—
Opera (Verdi), from the Royal Opera.
Conductor: Bendix. Cast: Jussi 7.15—Film Music. 7.40—Viennese

7.55_News 8 10-Fx-Orchestra. Orchestra. 7.55—News. 8.10—Excerpts, "Cavalleria Rusticana" (Mascagni). 8.25—Variety. 8.40—Tango Songs. 8.55—News. 9.10—Fantasy." 9.35—Light Music. 9.55—News. 10.0—Excerpts, "The Damnation of Faust" (Berlioz). 10.15—Village Band. 10.40—Film Music. 10.55—News. 11.0—Dance Music. Dance Music.

11.15—Operetta Songs.

11.40—Orchestra. 11.55—News. 12.5 a.m. (Monday)—Light Music. 12.30— 12.5

TURIN (No. 1) (Italy)

ORIN (No. 1) (Italy)

1,140 kc/s (263.2 m.); 7 kW. Relayed by Milan (No. 1), 814 kc/s (368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,140 kc/s (263.2 m.); Florence, 610 kc/s (491.8 m.); Bolzano, 536 kc/s (559.7 m.); and Rome (No. 3), 1,258 kc/s (238.5 m.).

7:30 a.m.—News. 9.0—Rural Pro-

10.0—Mass from the Church of the Annunciation, Florence. 11.0—Bible Reading.

11.20-Records: Chamber Music. 11 45-News

12.0 noon-1.15 p.m.—See Rome.

2.15-6.30—See Rome. 6.30—Sports; Records. 7.5—Time; News. 7.30— Records.

7.40—" Partenza per l'Asia"—One-Act Play (D'Ambra). 8.10—News (German).

(German).
8.20—Popular Concert. Conductor:
Overture, "Susanna's Sen Ferrero. Overture, "Susanna's Secret" (Wolf-Ferrari). Petite Suite on Hebrew Themes (Weprik). Spanish Rhapsody (Ravel). Prelude, "The Mastersingers" (Wagner). 9.30— Announcements.

9,40 — Dance Music. 10.0 — News. 10.15-11.0-Dance Music.

VIENNA (Austria)

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

7.0 a.m.-Motto. 7.5-Weather; Programme announcements. 7.10—Gym. 7.30—Hints for the Week. 7.45— Records. 9.0—Service from the Franciscan Church. 10.0—For Country People. 10.40—Announcements.

10.45—Vienna Chamber Orchestra. Conductor: Auderieth. Marianne Brünner (Pfte.). Overture, Fingal's Cave (Mendelssohn). Pfte. Concerto in C minor (Beethoven). Serenade (Franckenstein).

11.55 a.m.-1.20 p.m.—Station Orchestra. Conductor: Schönherr. French Military March (Saint-Saëns). Over-ture, "Das goldene Kreuz" (Brüll). Abschiedswalzer (Strauss). Schwanengesang (Andress). Harlekin (Zador). Vision (Zador). Hopak (Tchai-kovsky). Ave Maria and March, "Othello" (Verdi). Wagner Fantasia (Morena).

2.0—News. 2.15—Books. 2.40—Talk: The Engelszell Monastery. 3.5—Talk: 3.30—Lorenz Herzog reads. Intro-ductory Talk by Ernst Holzmann.

4.0—Concert from the Konzerthaussaal. Station Orchestra. Conductor: Konrath. Steiner (Violin). Egmont Overture (Beethoven). Violin Concerto in D (Mozart). The Moldau (Smetana). Serenade (Volkmann). The Nutcracker Suite (Tchaikovsky).

6.0-Time; Programme Announce-

ments; Sports.
6.10—"Twilight Dreams"—Fantasia
on Records. 7:0—Ballad. 7.10—
"Gevatter Tod"—Play (Soeser).
8.20—Meditation. 9.10—News.

9.30—Luise Helletsgruber (Songs).
Songs (Cornelius): (a) Ein Myrtenreis, (b) Der Liebe Lohn, (c) Vorabend, (d) Am Morgen, (c) Mein Freund ist mein und ich bin sein. Mondnacht (Schumann). Frühlingsnacht (Schumann). Von ewiger Liebe (Brahms). Wiegenlied (Brahms). nacht (Schumann). Von ewiger Liebe (Brahms). Wiegenlied (Brahms) In der Frühe (Wolf). Nun lass uns Frieden schliessen (Wolf). Marienlied (Marx). Und gestern hat er mir Rosen gebracht (Marx). Schlechtes Wetter (Strauss). Cäcilie (Strauss). Aria, "The Magic Flute" (Mozart). Aria, "Louise" (Charpentier).

10.10-10.50-Records of Famous Ar-

WARSAW (Poland)

/ARSAW (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.);
Lódz, 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
n.); and Wilno, 536 kc/s (559.7 m.) 7.0 a.m.—Time; Hymn. 7.3—For Farmers. 7.30—News. 8.0 (from Lódz)
—Service. 9.30—Records. 10.57—

Time; Fanfare. 1.3—Station Orchestra. Conductor: Górzyński. Nolier-Mazurkiewicz (Songs). Polonaise (Wronski). Overture, "The Nuremberg Doll" (Adam). Piece (Rust). Waltz (Friedman). Songs, "Les Huguenots" (Meyerbeer) and "Il Trovatore" (Verdi). Barcarolle (Grünfeld). Dance (Wolf-Ferrari). Ballad (Debussy). Songs: (a) Ich liebe dich (Grieg), (b) La harpiste (Lipski), (c) Le cadeau (Zeleński). Concert Waltz (Górzyński). Intermezzo, Fiametta (Brusso). Selection, "Das Blumenwunder" (Künneke) Victoria regia (Künneke). Songs: (a) Si tu le voulais (Tosti), (b) Tu es 11.3—Station Orchestra. Conductor:

SUNDAY (November 1)

trop belle (Campana), (c) Waltz, "A Waltz Dream" (O. Straus). Selection, "Turandot" (Puccini). Episode (Rust). Spanish Song (Albeniz). Serenade (Löhr); at 12.0 noon: Theatre Review.

1.0 p.m.—Report. 1.30—Records. 2.30—For Farmers. 3.0—Announcements. 3.30—Records. 3.45—Poetry.

4.0 (from Katowice)—Symphony Concert. The Musical Society Orchestra. Conductor: Dymmek. St. Allin (Pfte.), Concerto Grosso in G minor (Handel). Pfte. Concerto in E flat (Beethoven). Pfte. Excerpt, "Céphale et Procris" (Grétry). Adagietto (Mahler). The Eighth Symphony (Beethoven); at 5.0: Topical.

6.0—Act 2, "Les Noces"—Play (Wyspianski). 6.45—"In memoriam"—Programme from the Tomb of the Unknown Warrior at Warsaw. 7.15— Programme Notes. 7.20—Sports Notes. 7.40—Political Review. 7.50—News. 8.0—Records: Polish Music. 8.30 (from Lódz)—Literary Programme.

8.45-Italian Pfte. Music by Margaret 45—Italian Pfte. Music by Margaret Trombini-Kazuro. Sonata in D (Paradisi). Sixteenth Century Music (arr. Respighi). Nenia (Sgambati). Nocturne (Sgambati). Image (Fano). Waltz, Alt-Wien (Castelnuovo-Todesco). Tarantella (Castelnuovo-Todesco). Todesco).

9.15 — Station Symphony Orchestra. Conductor: Straszynski. Snieckow-ski (Oboe). Overture No. 3 in G ski (Oboe). Overture No. 3 II.

(Vivaldi). Oboe: Prelude to a Can
(Vivaldi). Unfinished Sym-The Unfinished Symbert). March (Karlotata (Bach). phony (Schubert). March (Karlowicz). Romance (Karlowicz). Elegy

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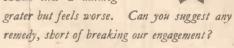
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MONDAY November 2

4 p.m.

BEROMÜNSTER and SOTTENS
Chamber Music. 4.50—Music
BUCHAREST and RADIOROMANIA, Radio Orchestra.
BUDAPEST (1), Talk. 4.30—
HOMEOS Blind Choir.
DEUTSCHLANDSENDER, Everyday Experiences. 4.10—Light
Orchestral.
HAMBURG, Dialect Programme with
Songs by Jakschtat (Bass-Baritone)
4.45—Talk. HILVERSUM (1.875
m.), 4.40—Parker (Organ). HILVERSUM (301.5 m.), 4.10—Lecture
Recital: "Tosca" (Puccini).
PARIS (PTT), Mulet (Organ). 4.30
—"The Père Lachaise Cernetery"
Radio Pilgrimage with Music and
Poems.

—Radio Pilgrimage with Music and Poems.

RADIO-NORMANDIE, Concert. 4.45
—For Children. ROME and TURIN, News. 4.15—Sacred Music. 4.55—Poems.

STOCKHOLM, 4.5—Lecture-Recital: Danish Folk Songs. 4.35—Reading. 4.55—Scandinavian Music by the Norrkøping Orchestra. STRAS-BOURG and RADIO-PARIS, Octets, Pfte.

VIENNA, 4.40—Excerpts, Liturgy of the Dead, by the Vienna Seminary Schola Gregoriana.

5 p.m.

ATHLONE, 5.30—Chldren's Hour.
BERLIN, Records. BEROMÜNSTER, For Children. 5.30—Music.
5.40—Talk: Maxim Gorki. BRESLAU, Band. 5.50—Notes. BRUSSELS (1), Quartet and Pite. BRUSSELS (2), Light Orchestral. 5.45—
For Children. BUCHAREST and
RADIO-ROMANIA, Talk, Radio
Orchestra. 5.55—Educational.
BUDAPEST (1), Choir (contd.).
5.30—Economics. 5.55—Wehner
(Organ).

Orchestra. 5.55 — Educational.
BUDAPEST (1), Choir (contd.).
5:30—Economics. 5.55—Wehner (Organ).
DEUTSCHLANDSENDER, Books.
5:20—Suite for Violin and Pfte. (Ries). 5.40—Visit to the Reich Institute of Interpreters.
HAMBURG, Records. 5.45—Shipping. HILVERSUM (1.875 m.).
Parker (Organ). 5.40—Records. HILVERSUM (301.5 m.), Lecture-Recital (contd.). 5.10—Light Music KALUNDBORG, Monologues with Pfte. 5.15—Weather. 5.35—English. KÖNIGSBERG, See Stuttgart. 5.50—Notes.
LEIPZIG, Light Orchestral. 5.40—Report: The School of Journalism at Leipzig University.
MUNIOH, "The Silent Forests"—Musical Sequence.
PARIS (PTT), Pasdeloup Concert Orchestra. 5.30—Talk. 5.37—Records. 5.45—Talks.
RADIO-NORMANDIE, Records. 5.15—Military Music. 5.30—Organ. RADIO-PARIS, Anniversaries. 5.10—Talk. 5.30—Esperanto. 5.35—Chess. 5.50—Music Lesson. STOCKHOLM, Scandinavian Music (contd.). 5.50—Dialogue. STRASBOURG, Records. 5.15—Talk. 5.30—Light Orchestral. STUTTGART, CO-LOGNE, FRANKFURT, Concert. VIENNA, Liturgy of the Dead (contd.). 5.10—Burgenland Programme. 5.35—English.

6 p.m.

ATHLONE, Children's Hour. 6.15
—Around the Counties—Dublin and Kilkenny. Songs, Traditional Fiddle. 6.45—Stocks, News.
BERLIN, Reading. 6.15—Pfle. (Haydn, Bach-Liszt). 6.45—Echoes.
BEROMÜNSTER, Time, Music. 6.30—News. 6.45—Address. BRES-LAU, Dialect Play. 6.45—Topical.
BRUSSELS (1), Talk. 6.15—Classical Records. 6.45—Maurice de Groote (French Songs). BRUSSELS (2), For Children. 6.30—Raussel Records. 6.45—For Ex-Servicemen. BUCHAREST and RADIO-ROMANIA, Educational. 6.15—Song Records. 6.50—French Songs. BUDAPEST (1), Wehner (Organ). 6.45—Poems.
COLOGNE, See Stuttgart. 6.45—Notes.

CÓLOGNE, See Stuttgan. 0.45
Notes.

Notes.

DEUTSCHLANDSENDER, Old and
New Operetta Music—Records,
Songs, Pfte. 6.45—Topical.

FRANKFURT, Folk Music. 6.40—
Topical. Markets.

HAMBURG, Marine Artillery Band.
6.45—See Munich. HILVERSUM
(1.875 m.), Records. 6.10—Letters,
Notes. HILVERSUM (301.5 m.),
Light Music. 6.10—Dance Band.
6.40—Pfte., Violin.

KALUNDBORG, News. 6.30—Talk. KÖNIGSBERG, Philosophical Sequence. 6.25—Talk. 6.45 quence. 6.25—Talk.
Topical.
LEIPZIG, Military Band.

Review.
MUNICH, "My Friend the Minister of State"—Play with Music (Humbach). 6.45—Talk.
OSLO, 6.30—"Aunt Tramer's Will"—Farce (Høyer).

7.10 7.10

8.0

8 45

—Farce (Høyer).

PARIS (PTT), Orchestra (contd.),
Lucienne Royer (Violin). 6.30—
News, Reviews. POSTE-PARISIEN, Mozart Records. 6.30—
Exchange, Topical. 6.55—Records.
PRAGUE, News. 6.10—Orchestra,
Violin

Violin.

RADIO-NORMANDIE, Children's
Corner. 6.40 — Talk, Racing.
RADIO-PARIS, Talks. 6.30—
Orchestra (contd.). ROME, Sports
and Talk (French). 6.20—News
in Foscign Languages.

SOTTENS, Music Lesson. 6.15—
Radio Magazine. 6.50—News.

PRINCIPAL EVENTS

Budapest 1 : Schubert's Unfinished, etc. Vienna : Requiem (Mozart). Regional : Conductor, Kabasta.

SYMPHONY CONCERTS
6.30 Radio-Paris: Schubert, Ravel, etc.
7.5 Beromünster: Conductor, Schoeck.
7.10 Berlin: Conductor, Carl Schuricht.

Italian stations: Sacred concert. Leipzig: Bruckner's Seventh. Eiffel Tower: Liszt, Debussy.

8.45 Eiffel Tower: Liszt, Debussy.
LIGHT CONCERTS
1.0 Radio-Paris: Grieg and French music.
1.50 Kalundborg: Light classics.
4.55 Stockholm: Scandinavian music.
5.0 Brussels 2: Conductor, Paul Douliez.
7.0 Kalundborg: Folk songs.
7.50 Hilversum (1,875 m.): Arnhem Orch.
8.0 Swiss stations: Swiss music.
9.10 Hilversum (301.5 m.): Conductor, Nico Treep.

8.0 Brussels 1: "Kaatie" (Buffin).
10.20 Brussels 1: "La boutique fantasque."
CHAMBER MUSIC
5.0 Brussels 1: The Zimmer Quartet, pfte.

von Spee Squadron "—an Epic of the Great War. HILVERSUM (1,875 m.), Letters, Report. 7.40—News. 7.50—Arnhem Orchestra. Conductor: Spaanderman. Juda (Violin). HILVERSUM (301.5 m.), Pfte., Violin. 7.25—Talk. 7.40—News. 7.50—Records. KALUNDBORG, Folk Songs by the Oluf Ring Choir with Commentary. 7.30—"L'Avare"—Play (Molière).
OSLO, Farce (contd.).

(Molière).
OSLO, Farce (contd.).
PARIS (PTT), News, Reviews. 7.38—
Pasdeloup Concert Orchestra.
POSTE PARISIEN, Records. 7.6—
News. 7.25—Talk, Amusements.
7.37—Records; at 7.52: Books.
PRAGUE, "The Tragedy of Man"
—Play (Madach-Brábek-Vrchlicky);
Mysic by Picks.

Music by Picka.
RADIO-NORMANDIE. Sports. 7.15
Concert: at 7.40: News. RADIO-NORMANDIE. Sports. 7.15

—Concert; at 7.40: News.
RADIO-PARIS, Orchestra (contd.).
7.30—Books. 7.50—Talk. ROME
and TURIN, 7.5—Time, News.
7.30—Government Notes.
The Bells of Rovereto.
SOTTENS, Sonata for Viola d'amore
and Harpsichord (Rust).
Talk. 7.35—Japanese
and Songs by Yosie Fujiwara
(Tenor). STOCKHOLM, Potpourri (contd.). 7.15—Discussion by

8.10

PLAYS

(301.5 m.), Records. 8.40—Flemish

(301.5 m.), Records. 8.40—Flemish Humour.

KALUNDBORG, "L'Avare" (contd.).

KÖNIGSBERG, See Hamburg. 8.10—Chamber Music and Songs of Austrian Composers.

LEIPZIG, See Hamburg. 8.10—Seventh Symphony in E (Bruckner). Leipzig Symphony Orchestra. Conductor: Weisbach. LILLE, Cortot Records. 8.15—Talk. 8.30—Light Orchestral, Soprano, Tenor. MUNICH, See Hamburg. 8.10—Opera Aria Records.

OSLO, Farce (contd.). 8.10—Foreign Affairs. 8.40—News.

PARIS (PTT), Delannoy Concert by Odette Ertraud (Songs), Germaine Leroux (Pfte.), Soctens (Violin) and the Composer. 8.30—"Polycucte"—Tragedy in Verse (Corneille) by the Odéon Players. POSTE PARI-SIEN, Records. 8.7—Paul Reboux. 8.20—Records. PRAGUE, "The Tragedy of Man "(contd.).

RADIO-NORMANDIE, Concert. 8.20—Light Music. 8.40—Variety. RADIO-PARIS, Renie Harp Sextet. 8.30—Press Review. 8.45—Concert. Ortambert Quartet, Mme. Doniau-Blanc (Songs), Yvonne Save (Recitations), Lily Laskine (Harp). ROME and TURIN. Sacred Music. Part I. Viganelli (Organ) (Bach,

8.0 Paris (PTT): Delannoy programme.
8.10 Hamburg: Brahms programme.
9.0 Poste-Parisien: Fauré programme.

RECITALS
12.15 Radio-Paris: Mme. Bracquemond

11.10 Hilversum (301.5 m.): Palla (organ).

PLAYS
7.0 Prague: "The Tragedy of Man."
8.30 Paris (PTT): "Polyeucte" (Corneille).
9.35 National: The St. Hilary Players.
LAST NEWS BULLETINS (subject to slight alterations)
7.45 Warsaw; 8.30, Radio-Paris; 8.40, Oslo;

MISCELLANEOUS
11.15 National: Municipal Election results.

(organ).
Hilversum (301.5 m.): Lili Krauss,
Goldberg (pfte., violin).
Radio-Paris: Harp sextet.
Bucharest: Romanian songs.
Stuttgart: All Souls Day music.
Vienna, Athlone: New Wolf songs.
Stockholm: New Sweigh songs.
Hilversum (301.5 m.): Palla (organ).

(organ).

spiegel"—Opera (Stieber) from the Hanover Opera (Recorded). HIL-VERSUM (1,875 m.), Orchestra (contd.); at 9.40—News. HIL-VERSUM (301.5 m.), Flemish Humour. 9.10—A.V.R.O. Orchestra. Conductor, Treep.
KALUNDBORG, French Pastorales (arr. Weckerlin) by Hilmar Biche (tenor). 9.15—News. 9.30—Contemporary Music (Hindemith, Weill, Bartok). KONIGSBERG, News. 9.20—Talk. 9.40—Orchestra from Breslau.
LEIPZIG, Symphony (Bruckner) (contd.). 9.10—News. 9.30—Sea Breslau. LIILLE, Orchestra, Songs (contd.). 9.10—News. 9.20—Chess. 9.50—Hof Theatre Orchestra. OSLO, Talk. 9.15—Light Orchestra. OSLO, Talk. 9.15—Light Orchestra. PARIS (PIT), "Polyeucte" (Corneille) (contd.). POSTE PARISIEN, Fauré Music. Quintet and Panzera (Baritone). PRAGUE, News. 9.15—Records. 9.40—German News.
RADIO-NORMANDIE, Classical Music. RADIO-PARIS, Concert (contd.). ROME and TURIN, Sacred Music (contd.). SOTTENS, 9.5—League of Nations Report. STOCKHOLM, Records. STRASBOURG, Chamber Music (contd.). 9.30—French Music by Kuntz (Organ). STUTTGART. Time; News. 9.30—Classical Records.

TOULOUSE, Sketch. 9.45—Paris

Programme.

VIENNA, Records of Alexander Moissi. 9.10—News. 9.20—Orchestra. Conductor: Schönherr.

WARSAW, Pfte. (contd.). 9.25—Widomski (Organ).

10 p.m.

ATHLONE, Variety. 10.30—News; Light Music.
BRESLAU and MOST GERMAN STATIONS, Concert (contd.).
BRUSSELS (1), News; Mozart.
Records. 10.20—"La boutique fantasque"—Ballet (Rossini-Respighi) from the Théâtre de la Monnaie. BRUSSELS (2), News. 10.10—Records. BUDAPEST (1), News (German).

(German).
DEUTSCHLANDSENDER, Variety

7.45 Warsaw; 8.30, Radio-Paris; 8.40, Oslo; 8.45, Stockholm; 9.0, German Stations, Prague, Vienna; 9.5, Beromünster; 9.45, Bucharest; 10.0, Brussels, Italian Stations; 10.30, Athlone, Paris (PTT); 11.5, Budapest 1.

DANCE MUSIC
6.10 Hilversum (301.5 m.); 10.25, Regional; 10.50, Hilversum (301.5 m.), 12.30, Radio-Normandie.

MISCELLANEOUS

Concert.

EIFFEL TOWER, Orchestra and Choir (contd.).

HAMBURG, "Eulenspiegel" (contd.).

10.20—Orchestra from Breslau.

HILVERSUM (1,875 m.), Orchestra (contd.).

10.10—Records; Reading, HILVERSUM (301.5 m.).

A.V.R.O. Orchestra, 10.10—Records: 10.40—News. 10.50—Dance Band.

Band.
KALUNDBORG, 10.0-10.10—Contemporary Music (contd.).
LILLE, Orchestra, Songs (contd.).

10.30—News.
MUNICH, Hof Theatre Orchestra.
PARIS (PTT), "Polyeucte" (Corneille) (contd.). 10.30—News.
POSTE PARISIEN, Records.
PRAGUE, Prelude and Fugue in G
minor (Bach) by Wiedermann

minor (Bach) by Wiedermann (Organ).

RADIO-NORMANDIE, Classical Music. 10.30—Organ. RADIO-PARIS, Concert (contd.). 10.45—Orchestra. Conductor: Gaillard. ROME and TURIN, 10.0-10.15—News

Bossi, Vierne). Part II. Requiem (Perosi).
STOCKHOLM, Discussion (contd.).
8.15—Ture Rangström Manuscript Songs by Set Svanholm, the Composer accompanying. 8.45—News.
STRASBOURG, News (German).
8.10—Records. 8.30—Chamber Music (Corelli, Bach, Dvořák).
STUTTGART, See Hamburg, 8.10—All Souls' Day Concert. Soloists, Choir and Orchestra. Conductor: Steffen. News STRASBOURG, Organ (contd.). 10.30—News (French, German). STUTTGART, Classical Records. TOULOUSE, Paris Programme. 10.15—Fantasy. 10.40—Operetta Steffen.
TOULOUSE, 8.10—Bal champêtre.
8.25—Jazz, Cigány Band. 8.55—

VIENNA, Orchestra (contd.). 10.50— WARSAW, Records.

11 p.m.

BUDAPEST (1), 11.5—News.
FRANKFURT and STUTTGART,
Concert (Recorded). Part I, Handel.
Part II, German Romantic Music.
Part III, Italian Music. Part IV,

Wagner.
HILVERSUM (1,875 m.), Reading.
HILVERSUM (301.5 m.), Dance
Band. 11.10—Palla (Organ).

Band. 11.10—Palla (Organ).

RADIO-NORMANDIE, Organ. 11.30

—Light Music. RADIO-PARIS,
Orchestra (contd.).

TOULOUSE, Light Music. 11.55—

12 midnight

BEROMÜNSTER and MONTE
CENERI, Repetition of the 8 p.m.
Transmission.

FRANKFURT and STUTTGART,
Concert (contd.).

RADIO-NORMANDIE, Light Music.
12.30—Dance Music. RADIOPARIS, Orchestra (contd.).

TOULOUSE, 12.5—Light and Danes Music.

Ministers of various Denomina-tions: My Sect. STRASBOURG, News. 7.15—Franck and Fauré Re-cords. 7.30—Time, News (French, ords. 7.30—Time, News (French, German).

VIENNA, Report (contd.). 7.10—
Requiem (Mozart) by the "Hofmusikkapelle." Conductor: Gross-

warsaw, For Soldiers. Contralto. 7.50—News.

8 p.m.

ATHLONE, Talk. 8.10—See Vienna. BERLIN, Concert (contd.). BERO-MÜNSTER and SWISS STATIONS, For Swiss Nationals abroad. Part I, Hans Huber Commemoration. Part II, Folk Songs of Italian Switzerland. Part III, Programme with Jaques-Dalcroze. BRESLAU, "The Autumn Lawsuit"—Burlesque (contd.). BRUSSELS (1), "Kaatje"—Opera (Buffin) from the Théâtre de la Monnaie. Conductor: de Thoran. 8.55—Records. BRUSSELS (2), Notes. 8.5—Light Orchestral. BU-CHAREST and RADIO-ROMANIA, Books. 8.5—Romanian Songs. 8.30—News. 6.45—Dinicu Orchestra (contd.). 8.55—Records. COLOGNE, Review (contd.). 8.10—Quartet and Pfte. (Schubert, Schumann, Orieg, Straesser).

mann, Grieg, Straesser).

EIFFEL TOWER, Home Affairs.

8.30—Talk. 8.45—Orchestra and
Raugel Choir. Part I, Liszt. Part II.
French Music.

FRANKFURT and DEUTSCHLANDSENDER, See Hamburg. 8.10—
Band: Sailors' Marches and Songs.

Band: Sailors' Marches and Songs.

HAMBURG, "The von Spee Squadron" (contd.). 8.10—"Johannes
Brahms and Klaus Groth"—Musical Sequence. HILVERSUM
(1,875 m.), Orchestra (contd.); at
8.45: Talk. HILVERSUM

9 p.m. ATHLONE, String Orchestra. 9.30—Variety.
BERLIN, News. 9.15—Listen to this!
9.30—Records. BEROMÜNSTER,
9.5—News. BRESLAU, FRANKFURT, News. 9.30—Serenade.
Gleiwitz-Beuthen Orchestra and the
Beuthen Chamber Music Society.
BRUSSELS (1), Records. 9.15—
"Kaatje"—Opera (contd.). BRUSSELS (2), Light Orchestral.
BUCHAREST and RADIOROMANIA, News (French, German, Romanian). BUDAPEST (1),
Records. ATHLONE, String Orchestra. 9.30-

News.
VIENNA, Requiem (Mozart) (contd.).
8.10—Songs (Wolf) by Erika Rokyta
(Soprano) and Duhan (Baritone).
WARSAW, Topical. 8.5—Records:
Sacred Music. 8.55—Pite. (BachTausig, Beethoven, Chopin).

man, Romanan, Bodar Est (1), Records.

COLOGNE, Time; News. 9.25—
"The Rombergs—a Family of Musicians"—Sequence (Freiberger).

DEUTSCHLANDSENDER, News. 9.30—Pfle.; Suite pintoresco (Turina).

EIFFEL TOWER, Orchestra and Choir (contd.).

HAMBURG, News. 9.30—Excerpts from the Première of "Eulen-

STOCKHOLM, Dialogue. 6.15—
News. 6.30—Potpourri by the Radio Dance Band. STRASBOURG, For Gardeners (German). 6.15—Debussy Records. 6.30—
News. Reviews. STUTTGART, Concert. 6.45—Baden Echoes.
TURIN. News in Foreign Languages. VIENNA, News. 6.15—Records of Famous Artists. 6.50—"All Souls Day in the Cistercian Monastery, Stams "—Report.
WARSAW, Act III, "Les Noces"—Play (Wyspiánski).

Treep.
9.15 Oslo: Bergen Orchestra.
9.30 Breslau, etc.: Serenade.
9.30 Kalundborg: Modern music.
10.45 Radio-Paris: Popular orchestral.

7 p.m.

ATHLONE, Autobiography. 7.15—
How Music differs from all other
Arts—The Composer at Work. Ua
Braoin and Station Orchestra.
7.55—Talk.

BERLIN, News. 7.10—Symphony
Concert. Conductor: Schuricht.
Gisela Binz(Pfe;)(Fleischer, Franck)
Besthoven). BEROMUNSTER,
7.5—Zürich Tonhalle Orchestra.
Conductor: Schoeck. Saillet
(Oboe). 7.45—Talk. BRESLAU,
News. 7.10—"The Autumn Lawsuit"—Burlesque (Albrecht); Music by Sattler. BRUSSELS (1),
Songs (contd.). 7.15—Reviews.
7.30—News. BRUSSELS (2),
Schubert Records. 7.30—Talk.
BUCHAREST and RADIO-ROMANIA, French Songs. 7.10—
Talk. 7.15—Doric Quartet (Respighi). BUDAPEST (1), Poems.
7.10—Opera Orchestra. Conductor: Rajter (Bach-Siklos,
Brahms, Liszt, Mossanyi, Schubert).
COLOGNE, News. 7.10—Weekly

COLOGNE, News. 7.10-Wcekly

Review. 100 Review. 7.20— Foreign Affairs. 7.45—Press Review. 7.55—Home Affairs. HAMBURG and MOST GERMAN STATIONS, News. 7.10—"The

NATIONAL

NATIONAL

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

10.15 a.m. (D.)—Service.

10.30 (D.)—Weather Forecast.

10.45 — Cinema Organ (Regfiald Porter-Brown).

11.15 — Gramophone Records.

11.30 — For the Schools: German.

11.45 — Gramophone Records.

12.0 noon—Bible Talks by the Very Rev. C. A. Alington, D.D.

12.25 p.m.—BBC Northern Ireland Orchestra; James Johnston (Tenor).

1.15 — Organ Recital (Maurice Vinden).

2.0 (ex. Scottish)—Herring Bulletin.

2.0 (cx. Scottish)—Herring Bulletin.

2.5 (ex. Scottish)—For the Schools: Gardening. 2.30—Music.

3.05 (ex. Scottish)—For the Schools; Early Stages in German.

4.0—Frederick Grinke (Violin), Dorothy Manley (Pite.).

3.30—Gramophone Records.

5.0—Talk: Lives of English Animals.

5.15—The Frank Walker Octet; Percy Manchester (Tenor).

6.0—The First News.

6.20—For Farmers—Anthony Hurd.

6.40—BBC Orchestra. Conducted by Arnold Perry; Oda Slobodskaya (Soprano). Overture, The Barber of Bagdad (Cornelius); O Hall of Song, Tannhäuser (Wagner); Minuet and Waltz, Pierrette's Veil (Dohnányi); Ozean, du Ungeheuer, Oberon (Weber); Overture, Euryanthe (Weber).

7.20—Entertainment Parade, introduced by Henry Kendall with the BBC Variety Orchestra.

8.0—Talk.

8.0—Talk. 8.30—Marietta and Martha Amstad

8.30—Marietta and Martha Amstad (Sopranos).
9.0—The Third News.
9.20—World Affairs (from New York).
9.35—The St. Hilary Players in "The Eve of All Souls"—A Miracle Play.
10.35—Winifred Small, Jean Pougnet (violins).
11.15—Results of Provincial Municipal Elections.
11.30—Dance Records.
12.0—Election Results, continued.

REGIONAL

REGIONAL

Time Signals: (normally) Big Ben, 10.15 a.m., 5.15 p.m., 12 midnight. Greenwich, 10.30 a.m., 2.0, 7.0, 10.0, 11.30 p.m.

10.15 a.m.—Service.
10.30—Weather Forecast.
10.45—The BBC Scottish Orchestra, Evelyn Hewan (Mezzo-Soprano).
11.45—Haydn Heard and his Band.
12.45 p.m.—Reading.
1.0—New Gramophone Records.
1.45 (ex. Scottish)—Arthur Salisbury and His Orchestra.
1.45 (Scottish)—For the Schools: 2.5—Junior Geography. 2.30—English.
2.35 (ex. Scottish)—BC Midland Orchestra; Astley Fulford (Baritone).
2.50 (Scottish)—Jain Garrioch Ross (Tenor), Fergus J. McLellan (Bass-Baritone).
3.0 (Western, Northern) — For the Schools

2.59 (Scottish)—Iain Garrioch Ross (Tenor), Fergus J. McLellan (Bass-Baritone).
3.0 (Western, Northern) — For the Schools.
3.20 (Scottish)—For Unemployed.
3.35 (ex. Scottish.) Song Recitals.
3.35 (Scottish.)—For the Schools:
Early Stages in German.
4.0—Cinema Organ.
4.30—Orchestra.
5.15—The Children's Hour.
6.0 (Regional, N. Ireland)—BBC Dance Orchestra.
6.0 (Midland)—Jack Padbury's Band.
6.0 (Western)—Organ Recital by Charles Clements.
6.0 (Northern)—The Salts (Saltaire)
Band; George Sylvester (Baritone).
6.0 (Scottish)—For Young Scots.
6.30 (Midland)—Cinema Organ.
6.15 (Scottish)—For Young Scots.
6.30 (Midland)—Cinema Organ.
6.30 (Western)—Welsh Orchestra.
6.35 (Scottish)—Scottish Dances.
6.40 (Northern)—London Log.
7.0—The Second News.
7.20—Regional Announcements.
7.30 (ex. Western, Northern) — The Vienna Symphony Orchestra, conducted by Kabasta.
7.30 (Western)—Welsh Talk.
7.30 (Northern)—A Letter from a Gramophile, G. H. Dayne.
7.50 (Western)—The Plymouth Orpheus Society, Gladys White (Pfle.).
8.0 (Northern)—Organ — Reginald Dixon.
8.30 (ex. N. Ireland)—George Graves

8.0 (Northern)—Organ — Reginald Dixon.
8.30 (ex. N. Ireland)—George Graves in "Princess Caprice."
8.30 (N. Ireland)—Records.
9.20 (N. Ireland)—Talk.
9.45 (ex. Western, Scottish)—Schubert—2. George Parker (Baritone).
9.45 (Western)—Talk.
9.45 (Scottish)—Reading.
10.0—News Summary.
10.25—Dance Band.
11.30—Late News Summary.
11.40—Records.

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.).

and Cork, 1,240 kc/s (241.9 m.).

1.30-2.30 p.m.—Time; Weather; Stocks; Records. 5.30—Children's Hour. 6.15—Around the Counties No. 3—Dublin and Kilkenny. Dublin: Maire Ni Earnain (Songs in Irish). Kilkenny: Michael O'Neill (Traditional Fiddle). 6.45—Weather; Stocks; News; Time. 7.0—Autobiography—Maire Ni Chinneidhe. 7.15—How Music differs from all other Arts—The Composer at Work—No. 1, by D. Ua Braoin with Station Orchestra. 7.55—New Varicties of Potatoes by W. D. Davidson, B.A., B.Sc.

8.10—See Vienna. 9.0—Station String Orchestra. 9.30—Variety. 10.30— What happened today; Light Music. 11.0—National Anthem.

BANSKÁ-BYSTRICA (Czechoslovakia)

392 kc/s (765 m.); 30 kW. Relays Czechoslovak Stations.

BERLIN (Germany)

841 kc/s (356,7 m.); 100 kW. Transmits at intervals from 5.0 a.m.

Transmits at intervals from 5.0 a.m.

11.10 a.m.—See Hamburg. 1.0 p.m.—News. 1.15—Light Orchestral.

2.0-2.30—Exchange; Markets.

3.30—Reich Hitler Youth Music Festival—Orchestra from Brunswick Theatre. Conductors: Abendroth and Maasz (Recorded).

4.10—Robert Franz Songs by Margatete Rofl (Soprano) and Ecklebe Songs by Johannes Maximilian (Baritone), accompanied by the Composer.

4.35—Books. 5.0—Records: Operetta Music; Marches. 6.0—Reading.

6.15—Gerda Nette (Pfie.). Sonata in D (Haydn). Prelude and Fugue in G minor (Bach-Liszt).

6.45—Evening Echoes. 7.0—News.

6.45—Evening Echoes, 7.0—News, 7.10—Station Orchestra, Conductor: Schuricht, Gisela Binz (Pftc.), Ninth Symphony (Fleischer), Minthest and Finale in C (Haydn), Symphonic Variations for Pftc. and Orchestra (Franck), Fifth Symphony in C minor (Beethoven), 9.0—News. 9.15—Listen to this! 9.30—Records.

10.0-11.0-Orchestra from Breslau.

BEROMÜNSTER

(Switzerland)

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

kc/s (218.2 m.).

5.30 a.m.—Ski-ing Lesson.

11.0-12.45 p.m.—See Sottens; at 11.30: News.

3.0 — Light Music by the Zürich Radio Orchestra. Conductor: Hoffmann. 3.29—Time, 3.30 (from Basle)—Italian Songs by Armin Weltner (Baritone). 4.0—Chamber Music. 4.50—Music. 5.0—For Children. 5.30—Music. 5.40—Talk: Maxim Gorki. 6.0—Time; Music. 6.30—News. 6.45—Religious Address: Suffering

Sunering.
7.5.—"Tonhalle" Society Concert from Zürich. Tonhalle Orchestra.
Conductor: Othmar Schoeck. Marcel Saillet (Oboe). 7.45.—Talk by K. Schmid-Bloss: Stage Careers.

8.0 (from Basle)—For Swiss Nationals Abroad. Part I: Hans Huber Commemoration. Part II: Folk Songs of Italian Switzerland. Part III: Programme with Jaques-Daleroze. 9.5—News. 9.15—Weather.

12.0 m't-1.5 a.m. (Tuesday)—Repetition of the 8.0 p.m. Transmission.

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; at 12.0 noon—News. 1.0 p.m.—News.

News. 1.0 p.m.—News.
1.15—Variety from Deutschlandsender. 2.0—Markets. 3.0—Books.
3.20—Robert Franz Songs. 3.40—Tilk: Upper Silesia. 4.0 (from Gleiwitz)—DLV Band. In the interval: Report: East Germany's largest Goods Station. 5.50—Announcements. 6.0 (from Gleiwitz)—Dialect Play. 6.45—Topical. 7.0—News. 7.10—"The Autumn Law-suit"—Burlesque (Albrecht); Music by Sattler. 9.0—News. 9.30-11.0—Serenade from the Gemein-

9.30-11.0—Serenade from the Greening the August 19.30-11.0—Serenade from the Greening the Beuthen Orchestra. Conductor: Scherzer; the Beuthen Chamber Music Society. Homage March (Grieg). Overture, Oberón (Weber). Suite,

Mozartiana (Tchaikovsky). Quartet: Romantische Abendmusik (Dombrowski). Rhapsody (Liszt). Two Lyric Pieces (Grieg). Selection, "The Dubarry" (Millöcker).

BRNO (Czechoslovakia) 922 kc/s (325.4 m.); 32 kW Transmits at intervals from 5.15 5.45-10.10 p.m.—See Prague.

5.45-10.10 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—Classical Records. 12.30
p.m.—Radio Orchestra. Conductor:
Douliez. Magnée (Flute); Béthume
(Violin). 1.0—News. 1.10—Light
Orchestral. 1.30—Classical Records.
2.0—Art Notes. 4.55—News.
5.0—Chamber Music by the Zimmer
Quartet and Vantomme (Pfte.).
Quintet (d'Agrèves). Italian Serenade (Wolf). Quartet in B flat
(Haydn).
6.0—Talk: Belgian Maritime Activities. 6.15—Classical Records.
6.45—Maurice de Groote (Songs).
Songs to Heine Poems (Ropartz).
Fètes galantes (Debussy). L'horizon
chinnerique (Fauré).
7.15—Reviews: (a) The Cinema, (b)
The Colonies, (c) Science. 7.30—News.

7.10—Talk. 7415—Doric Quartet (Respighi) by the "Amis de la musique "Quartet. 8.0—Books. 8.5—Stroescu (Romanian Songs), 8.30—News; Sports. 8.45—Dinicu Orchestra. 9.0—News (French, German, Romanian)

BUDAPEST (No. 1) (Hungary)

BUDAPEST (No. 1) (Hungary)
546 kc/s (549.5 m.); 120 kW.
8.30 a.m.—News. 9.0—Requiem
Mass from the Coronation Church.
11.0—Chimes. 11.15—Symphony Orchestra. 12.30 p.m.—News. 3.15—
For Students. 4.0—Talk. 4.30—
Homeros Blind Choir. 5.30—Economics. 5.55—Wehner (Organ) from
the Academy of Music. 6.45—Poems.
7.10—Opera Orchestra. Conductor;
Rajter. Prelude, Aria and Fugue
(Bach-Siklos). Tragic Overture
(Brahms). Excerpt, Tasso (Liszt).
Trauerstimmen (Mossanyi). Unfinished Symphony in B minor
(Schubert).
8.30—News. 8.55—Records. 10.0—
News in German. 11.5—News.

BUDAPEST (No. 2) (Hungary) 359.5 kc/s (834.5 m.); 18 kW. 4.30 p.m.—Talk: Canada. 5.15— Records. 6.0—German Lesson. 7.10— Art Talk: Goya. 7.40—News.



Oswald Kabasta, conductor of the Vienna Symphony Orchestra (Regional, 7.30 p.m.)

8.0—"Kaatje"—Four-Act Opera (Buffin), from the Théâtre de la Monnaie. Conductor: Corneil de Thoran. In the interval at 8.55-9.15: Records: Songs without Words (Mendelssohn). 10.0—News; Pite. Fantasia in Cminor (Mozart), by Fischer (Records). 10.20-11.0—"La Boutique Fantasque"—Ballet (Rossini-Respighi), from the Théâtre de la Monnaie.

COLOGNE (Germany)

658 kc/s (455.9 m.): 100 kW. Transmits at intervals from 5 a.m.
11.0 a.m.—Band. 12.0 noon—News.
12.15 p.m.—Orehestra from Hamburg.
10.—News.
1.15—Schrammel Ensemble.
1.45—Markets.
2.0—For Children.
2.45—Markets.
2.0—Fo

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—Mozart Records, 12.30 p.m.—Italian Light Music. 1.0—News. 1.10—Light Orchestral. 1.30—Respighi and Wagner Records. 2.0—Shipning.

Shipping.

4.55—News.
5.0—Light Orchestral. Conductor:
Douliez. 5.45—For Children.
6.30—Records: Le festin de l'araignée
(Roussel). 6.45—Flemish Programme
for Ex-Servicemen. Van Daele reads.
7.0—Schubert Records. Movements,
The Unfinished Symphony. Overture, "Die Zwillingsbrüder."
7.30—Talk. 8.0—For Ex-Servicemen.
8.5—Light Orchestral Music. Ferari
(Violin); Segers (Accordion): Gilman (Flute). Wedding March,
Francia (Paradis). Overture, "Raymond" (Thomas). Waltz (Strauss).
Selection, "Cocorico" (Ganne).
Rèverie (Vieuxtemps). Potpourri
(Salabert). Festival Overture
(Suppè). Fiançailles (Wesly). Selection, "Faust" (Gounod). Accordion: Tango and Waltz (Segers).
Overture, "Chal Romano" (Kctelbey). Echos de la forêt (Damaré).
Très jolie (Waldteufel). Feu
d'artifice (Demaele). 10.0—News.

BIICHAREST (Romania).

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 4.30 a.m.
4.0 p.m.—Radio: Orchestra. Conductor: Nottara; at 5.0—Time; Weather; Topical Talk.
5.55—Educational Programme. 6.15—
Records of Famous Singers of Today.
6.50—French Songs by Viorica Angnel.

—Classical Records, 4.40—Johannes Kirschweng reads, 5.0—See Stuttgart. 6.45—Theatre Notes, 7.0—News. 7.10—Weekly Review. 8.10—Prisca Quartet and Grape (Pfte.). Andante (Schubert). Im-promptu in C minor (Schubert). Adagio (Schumann). Novelette in F (Schumann). Romance (Grieg), Nattstykke (Grieg). Theme and Variations (Straesser). 9.0—Time; News.

News. 9.25—"The Rombergs—a Family of Musicians"—Sequence (Freiberger) Musicians"—Sequence (Freiberger with Kläre Hansen (Soprano Schmidt ('Cello) and Grape (Pfte.) 10.0-11.0—Orchestra from Breslau. DEUTSCHLANDSENDER

DEUTSCHLANDSENDER

(Germany)

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

Transmits at intervals from 5.0 a.m.

11.0—See Breslau.

12.45 p.m.—News.

1.0—Variety. 2.0—Announcements.

2.15—Records. 2.45—Talk: Robinson Island. 3.0—Light Orchestral; at 4.0-4.10—Everyday Experiences.

5.0—Books. 5.20—Suite (Ries) by Isabella Schmitz (Violin) and Laugs (Pfte.). 5.40—A Visit to the Reich Institute of Interpreters. 6.0—Old and New Operetta Music. Records; Hannele Frank (Songs); Ludwig Schmidseder (Pfte.). 6.45—Topical.

7.0—Motto; News.

7.10—See Hamburg.

8.10—See Frankfurt.

9.0—News. 9.30—Suite pintoresco (Turina) by Hilde Knopf-Liesendahl (Pfte.). 9.45—Weather.

10.0-11.0—Variety Concert. Gotronzy Band, the Five Beleantos, Litkiewicz and Stenzel (Pftes.).

FRANKFURT (Germany)

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

MONDAY (November 2)

Transmits at intervals from 5.0 a.m. Hansmits at intervals from 5.0 p.m.—See Hamburg. 1.0 p.m.—News. 1.10—All Souls Day—Records. 2.0—Talk; Markets. 2.15—For Children. 2.45—Light Orchestral. 3.45—Reading. 4.0—Two Pftes. Children. 2.4 3.45—Reading. 4.30—Talks. 5.0—See Stuttgart.

5.0—See Stuttgart.
6.0 (from Coblenz)—Folk Music by the Braubach Accordion Club and the Runkel-Helm Schrammel Duo. 6.40—Topical.
6.55—Announcements.
7.0—News.

7.10—See Hamburg. 8.10 (from Cassel)
—Marches and Sailors' Songs by a
Band. 9.0—Time; News.
9.30—See Breslau.

9.30—See Breslau.
11.0 p.m.-1.0 a.m. (Tuesday)—Concert
(Recorded). Station Orchestra. Conductor: Rosbaud. Gertrud Rünger
(Songs) and Töttcher (Oboe). Part I.
Handel. Part III. German Romantic
Music. Part III. Italian Music.
Part IV. Wagner.

HAMBURG (Germany)

Relayed by Bremen, Flensburg, Hanover, Magdeburg and Stettin, 1,330 kc/s (225.6 m.).

1,330 kc/s (225.6 m.).

Transmits at intervals from 5.15 a.m.
11.10 a.m.—Symphony Orchestra from
Hanover Castle. Conductor: von
Sosen; at 12.0 noon—News. 1.0
p.m.—News. 1.20—Light -Music.
2.0—Exchange. 2.15—Shipping. 2.30
—Erna Kroll Lange and Eva Schlee
(Sopranos) and Stadelmeier (Tenor).
3.0—See Deutschlandsender. 4.0—
Dialect Programme with Songs by
Jakschtat (Bass-Baritone). 4.45—Talk:
The Law Courts. 5.0—Records. 5.45
—Shipping; Weather. 6.0 (from Kicl)
—Marine Band.
6,45—See Munich. 7.0—News.

6.45—See Munich. 7.0—Ne 7.10—"The von Spee Squadron" an Epic of the Great War.

an Epic of the Great War.

8.10—"Johannes Brahms and Klaus
Groth"—Sequence, Station Choir,
Conductor: Gregor, Aida Montes
(Soprano), Emmy Wichmann (Contralto) and Others. An Imaginary
Conversation at Thun, Summer of
1889 (Kulenkampff). Nine Brahms
Songs to Groth Text. Last Movement from the Violin Sonata in G.
9.0—News.

30—Evernts from the Première

9.00—Excerpts from the Première of "Eulenspiegel".—Opera (Stieber) from Hanover Opera, Conductor: Krasselt (Recorded).

HILVERSUM (1,875 m.) (Holland)

160 kc/s; 10 kW until 2.40 p.m.; 100 kW from 2.40 p.m.; 100 kW from 2.40 p.m.; N.C.R.V. Programme.
7.40-9.10 a.m.—Bible Reading; Meditation; Records. 10.10—Service.
10.40—Reading. 11.10—Records. 12.10 p.m.—Stichtsch Salon Orchestra. 1.40—For Schools. 2.15—Records. 2.40—Cookery Hints. 3.10-3.25—Records. 3.40—Bible Reading. 4.40—Parker (Organ). 5.40—Records. 6.10—Letter-box. 6.40—Announcements; Letter-box; Report. 7.40—News.

News. 7.50—Arnhem Orchestra. Conductor: Spaanderman. Juda (Violin); at 8.45: Talk, and at 9.40: News. 10.15-11.10—Records; Bible Reading.

HILVERSUM (301.5 m.) 995 kc/s; 15 kW until 2.40 p.m.; 60 kW from 2.40 p.m.
A.V.R.O. Programme.

A.V.R.O. Programme.
7.40 a.m.—Time; Records.
9.40—Thee; Service. 9.55—Records.
10.10—The Hague Quartet. In the interval: Kramer (Recitations). 11.40
—Jetty Cantor Orchestra and Records.
1.10 p.m.—A.V.R.O. Orchestra.
Conductor: Treep, and Records.
245—Records.

Conductor: Treep, and Records, 2.45—Records, 3.45—Frieda de Vos (Pfte.), 4.10—Lecture-Recital by Max Tak, with Records: "Tosca" (Puccini), 5.10—Light Music by "The Palladians."

6.10-A.V.R.O. Dance Band. 6.40—Lili Krauss (Pfte.), Goldberg (Violin). 7.25—Talk. 7.40—News.

6.40—Lili Krauss (Pite.), "Goldberg (Violin). 7.25—Talk. 7.40—News. 7.50—Records. 8.40—"Flemish Humour"—Julia de Gruyter and Rien van Noppen. 9.10—A.V.R.O. Orchestra. Conductor: Treep. 10.10—Records. 10.40—News. 10.50—A.V.R.O. Dance Band. 11.10-11.40—Palla (Organ).

KALUNDBORG (Denmark) 240 kc/s (1,250 m.); 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.). Transmits at intervals from 6.0 a.m. 11.0 a.m. 1.0 p.m.—Bendix String

MONDAY (November 2)

Ensemble. 1.50—Classical Music. Radio Orchestra. Conductor: Grøndahl; at 2.35—Talk, and at 2.45—Reading. 3.50—Announcements. 3.56—Poem. 4.0—Talk: Modern Art. 4.40—Exchange; Markets. 4.50—Records. 5.0—Chimes. 5.1—Monologues with Pfte. 5.15—Weather. 5.35—English Lesson. 6.0—News. 6.30—Talk: Liberalism and Economic Planning. 7.0—Chimes. 7.1—Folk Songs by the Oluf Ring Choir, with Commentary. 7.30—"L'Avare"—Five-Act Play (Molière). 4.1 (Molière). 9.0—French Pastorales (arr. Weckerillin) by Hilmar Biehe (Tenor). Autbord de la fontaine. Rond villageoise. L'aimable Flore. Que fais-tu bergère? Les quinze ans de Rosette. Bergère legère. L'amour s'envole. 9.15—News. 9.30-10.10—Contemporary Music by the Radio Orchestra. Conductor: Tuxen. Overture, "Neues vom Tage" (Hindemith). Suite (Weill). Hungarian Folk Melodies (Béla Bartók).

KÖNIGSBERG (No. 1) (Heils-

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

1,031 kc/s (22)
Relayed by Danzig, 1,303 kc/s (230.2 m.).
Transmits at intervals from 5.0 a.m.
11.10 a.m.—See Hamburg, 1.0 p.m.—News. 1.10—Talk. 1.25—Records.
2.10—Books, 2.25—Talk. 2.35—Talk: Danzig Suburbs, 3.0—Reading, 3.20—Börschel Band, Else Marr and Erady Dackweiler. 4.50—Books.

3.20—Börschel Band, Else Marr and Fredy Dackweiler. 4.50—Books.
5.0—See Stuttgart.
5.50—Announcements. 6.0—"Living my own Life"—Sequence. 6.25—Talk: Animals. 6.45—Topical.
7.0—News.
7.10—See Hamburg.
8.10—Austrian Chamber Music and Songs by the Ninke Ensemble and others. 9.0—News. 9.20—Talk: The Diet of Augsburg, 1555.
9.40-11.0—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.
11.10 a.m.—See Hamburg. 1.0 p.m.—News; Exchange.
1.15—Variety from Deutschlandsender.
2.0—For Women. 2.15—Art Review.
3.0—Records. 4.0—Weather; Markets. 4.10—Talk: Merseburg. 4.30
—Music. 4.40—Reading. 5.0—Light Orchestral.
5.40—Report: The School of Jour-

Orchestral.

5.40—Report: The School of Journalism at Leipzig University.

6.0—Military Band.

6.50—Wireless Press
Review.

7.0—News.

7.10—See Hamburg.

8.10—Seventh Symphony in E (Bruckner) from the Gewandhaus. Leipzig
Symphony Orchestra.

Weisbach.

9.10—News.

9.30-11.0—See Breslau.

LILLE (Radio PTT Nord) (France)

1,213 kc/s (247.3 m.); 60 kW.
Transnuic at intervals from 6.50 a.m.
8.0 p.m.—Time; Pfte. Sonata in D
minor (Chopin) by Cortot (Records).
8.15—Literary Talk.
8.30—Station Orchestra and Singers.
Conductor: Soret. 10.30—News.

MONTE CENERI (Switzerland) 1,167 kc/s (257.1 m.); 15 kW. ransmits at intervals from 11.0 a.m. .0-9.5 p.m.—See Beromünster. 2.0 m²t-1.5 a.m. (Tuesday)—See 8.0-9.5 p.m.— 12.0 m't-1.5 Beromünster.

MUNICH (Germany)
740 kc/s (405.4 m.); 100 kW.
1 Relayed by Nürnberg, 1,267 kc/s
(236.8 m.).
Transmits at intervals from 5.0 a.m.
11.0 a.m.—Light Orchestral. 12.45
p.m.—News; Exchange.
1.0-2.0—See Deutschlandsender. 3.0—
Weather; Markets. 3.10—Talk. 3.30
—Schubert and Haydn Music by
Trude Wildberg (Soprano) and Bohnen
(Pfte.). 4.0—Records. 4.30—Books.
4.50—Weather; Markets. 5.0 (from
Nürnberg)—"The Silent Forests"—
Musical Sequence. Orchestra. Conductor: Böhm.
1.0—"My Friend, the Minister of

Eductor: Böhm.

1.0—"My Friend, the Minister of State"—Play (Humbach) with the Station Schrammel Ensemble. 6.45—Talk: Germany's Recovery. 7.0—

7.10—See Hamburg. 8.10—Opera Aria Records. 9.0— Time; News. 9.20 (from Nürnberg)—

10-11.0 (from Bayreuth)—Hof Theatre Orchestra. Conductor: Jessen. Overture. "The Barber of 9.50-11.0

Seville" (Rossini). Waltz, "Der Rosenkavalier" (Strauss). Selec-tion, "The Pearl Fishers" (Bizet). Wo die Zitronen blüh'n (Strauss). Selection, "Der Obersteiger" (Zel-ler). Marches (Urbach, Fučík).

ler). Marches (Urbach, Fučík).

OSLO (Norway)

260 kc/s (1,153.8 m.); 60 kW.
Relayed by Fredrikstad, 776 kc/s (386.6 m.); Hamar, 519 kc/s (21.1 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 10,40 a.m. 6.30 p.m.—Time; "Aunt Tramer's Will"—Farce in Four Acts (Höyer).

8.10—Foreign Affairs. 8.40—News.

10—Foreign Antairs. 8.40—News.
0—Topical.
15-10.0—Bergen Radio Orchestra.
Negro March (Filipucci). Ich liebe
dich (Grieg). Erotika (Grieg).
Dance (Helmund). Trost (Lincke).
Minuet (Danning). Serenata (Toselli). Sjögren Potpourri (Skjöld)
Two Pieces (Olsen). Melody
(Rubinstein) Two Piece (Rubinstein).

PARIS (Eiffel Tower) (France)

1,456 kc/s (206 m.); 5 kW.
6.45 p.m.—Theatre Talk. 7.0—News.
7.10—Racing. 7.20—Foreign Affairs.
7.45—Press Review. 7.55—Home
Affairs. 8.30—Literary Talk: Jean

Affairs. 8.30—Literary Talk: Jean Giono.
8.45—Station Orchestra and Raugel Choir. Conductor: Clergue. Maria Brenèze, Verroust and Lovano (Songs), Doyen (Pfte.). Part I: Liszt. Der nächtliche Zug. The Beatitudes, from "Christus." Dance of Death. Part II: Prières (Caplet). Ballad (Fauré). La Demoiselle élue (Debussy).

(Debussy).

PARIS (Poste Parisien) (France)
959 kc/s (312.8·m.); 60 kW.

Transmits at intervals.from 7.10 a.m.
12.0 noon—Exchange. 12.5 p.m.—
Records. 12.35—Exchange.
12.39—Records: Brandenburg Concerto in D (Bach).
1.19—Chopin Records of Brailowsky
(Pfte.). Nocturne in E flat. Waltz
in A flat. Etudes and Waltz.
1.35—Records: Suite in D (Bach).
2.0, 3.45, 4.35—Exchange. 6.0—Call.
6.2—Mozart Records. Overture, "The
Magic Flute." Sonata in C. Aria,
"Figaro."
6.30—Exchange. 6.35—Topical. 6.55
—Song Records. 7.6—News. 7.25—
For Gardeners. 7.32—Amusements.
7.37—Records: Rachmaninov, Glazunov, Rimsky-Korsakov.
7.52—Books. 7.57—Records: L'Apprenti sorcier (Dukas). 8.7—Paul
Reboux.
8.20—Records.

prenti sorce.

Reboux.

8.20—Records.

9.0—Fauré Concert. Quintet and
Panzera (Baritone). Talk. Pfte.
Quintet Songs: (a) En sourdine.

(b) Le Partum impérissable, (c. Soir.

Records: Duet, "Tris

Soir.

10.0—Wagner Records: Duet, "Tristan and Isolde." Excerpts, "Siegfried."

10.30-11.0—Records.

fried."

10.30-11.0—Records.

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

Transmits at intervals from 6.50 a.m.
4.0 p.m.—Bach and Tournemire
Music by Mulet (Organ) from the
Schola Cantorum. 4.30—The PèreLachaise Cemetery—a Radio Pilgrimage, with Music and Poems.
5.0—Pasdeloup Concert Orchestra.
Conductor: Cloëz. Two Preludes
and Fugue (Bach). Chaconne.
"Orpheus" (Gluck).
5.30—For Gardeners. 5.37—Records.
5.45—Art Review. 5.52—Talk.
6.0—Orchestra (contd.); Lucienne
Royer (Violin). Sarabande (Bach).
Funeral March (Schumann). Funeral March (Schumann). Funeral March (Grieg). Violin: (a)
Sicilienne (Paradis), (b) Hynn to
the Sun (Rimsky-Korsakov), (c)
Andante (Fauré).
6.30—News; Reviews. 7.20—Radio
Press Review.
7.38—Pasdeloup Concert Orchestra.
Conductor: Cloëz. Excerpt,
"Romeo and Juliet" (Gounod).
Andante (Mendelssohn). Prelude,
"Lohengrin" (Wagner). Valse
triste (Sibelius).
8.0—Marcel Delannoy Concert by
Odette Ertraud (Songs), Germaine
Leroux (Pfte.), Soetens (Violin) and
the Composer.
8.30—"Polyeucte "—Five-Act Tragedy in Verse (Corneille), by the Odéon
Players. 10.30—News.

PARIS (Radio-Paris) (France)

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—Records. 11.0—Paris
Symphony Orchestra. Conductor:
Tomasi. 12.0 noon—For Kitchen
Gardeners. 12.15 p.m.—Marthe
Bracquemond (Organ). 12.45—News.
1.0—Grieg, French Music. Conductor:
Tomasi. Lucy Nelbo

(Songs). 2.0—Women's Journals. 2.10
—Talk: Contemporary Novelists.
2.30—Berlioz Records.
3.0—Sonatas (Fesch, Loeillet, Hasse)
by Koellreutter (Flute) and Thabe
(Harpsichord and Pfte.). 3.30—
"Death"—Poems. 3.50—Music Review by Wanda Landowska.
4.0—See Strasbourg.
5.0—Anniversaries. 5.10—Talk! Living Classics.

-Ann ing Classi 5.30-

.0—see Strasours.
.0—Anniversaries. 5.10—Talk ! Livng Classics.
.30—Pasdeloup Concert Orchestra.
Conductor: Cloëz. Lucienne
Royer (Violin). Overture, "Il re
pastore" (Mozart). Adagietto
(Bizet). Death of Asa, "Peer
Gynt" (Grieg). Violin Concerto
in A (Vivaldi). Waltz (Brahms).
Complainte andalouse (Espajo).
6.0—Art Review and Talks.
.30—Orchestra (contd). March
"Alceste" (Gluck). Tragic Symphony (Schubert). Berceuse (Fauré).
Excerpts, "Mother Goose" (Ravel).
Song, "Shylock" (Fauré.
Les piex d'eau à la Villa d'Este
(Liszt). March of the Tin Soldiers
(Pierné). 8.30—Press Review.
.45—Concert—Ortambert Quartet,
Mme. Doniau-Blanc (Songs),
Yvonne Save (Recitations), Lily
Laskine (Harp). Quartet in A
(Schumann). Songs. Recitations.
Dances (Debussy).

Mme. Doniau - Blanc (Songs),
Yvonne Save (Recitations), Lily
Laskine (Harp), Quartet in A
(Schumann), Songs, Recitations,
Andante and Scherzo (Florent
Schmitt), Songs, Recitations,
Dances (Debusy),
0.45 p.m.-12.15 a.m. (Tuesday)
Orchestra. Conductor: Gaillard,
Overture, "Patrie" (Bizet), Suite,
"Izeyl" (Pierne), Sérénade mélancolique (Tchaikovsky), Enterrement d'Ophélie (Bourgault - Ducoudray), Excerpt, "Rédemption"
(César Franck), Pavane (Fauré),
Suite in B minor (Bach), Cortège
nocturne (Lazzari),

Suite in B minor (Bach). Cortège nocturne (Lazzari).

PRAGUE (Czechoslovakia)
638 kc/s (470.2 m.); 120 kW.
Transmits at intervals from 5.15 a.m.
2.0 p.m.—Prague Wind Quintet, Paz (Pfte.). Sonatina for Flute and Clarinet (Paz). Divertissement for Pfte. and Quintet (Roussel). Quintet (Rimsky-Korsakov).
2.40—Reading. 3.0—Exchange.
3.10—Cornert from Bratislava.
4.10—Sketch. 4.25—Talk. 4.35—Love Song Cycle (Kálik). Kolarová (Soprano), Leichner (Violin) and the Composer (Pfte.). 5.0—Records. 5.10—German Transmission. Talk: "Eternal Light"—An Anthology. 5.45—News (German). 5.55—Record. 6.0—News. 6.10—Station Orchestra, Conductor: Ancerl. Orlando Barrera (Violin). 7.0—"The Tragedy of Man "—Play (Madách-Brábek-Verlicky), Music by Picka. 9.0—Time, News. 9.15—Records. 9.40—German News. 10.0-10.10—Prelude and Fugue in G minor (Bach) by Wiedermann (Organ).

RADIO-NORMANDIE

1,113 kc/s (269.5 m.); 15 kW.
7.0 a.m.—Military Band; at 7.10:
News; at 8.0: Pfte. 8.30—Light
Music. 8.45—Songs. 9.0—Classical
Music. 9.15—Jack Savage and his
Cowboys. 9.30—Light Music. 9.45—
Songs. 10.0—Records. 10.15—
Popular Music. 10.45—Opera Arias.
11.0—Classical Music. 12.0 noon—
Organ. 12.40 p.m.—News.
1.0—Concert.
2.9—Records. 2.15

Organ. 12.40 p.m.—News.
1.0—Concert.
2.0—Records. 2.15—Chamber Music.
2.30—Records. 3.0—Orchestra. 3.30
—Records. 4.0—Concert. 4.45—For Children. 5.0—Records. 5.15—Military Music. 5.30—Organ. 6.0—Children's Corner. 6.40—Talk;
Racing. 7.0—Sports. 7.15—Concert;
at 7.40; News. 8.20—Light Music.
8.40—Variety. 9.0—Classical Music.
10.30—Organ. 11.30—Light Music.
12.30-1.0 a.m. (Tuesday)—Dance Music.

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

See Bucharest.

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.)
7.30-7.50 a.m.—News.
9.30-10.30—See Turin. 11.45—News.
12.0 noon-12.10 p.m.—Announcements. 12.50—News. 1,0-1.5—Exchange. 1,15-2.0—News; Talk; Organ.

Organ.
3.40—For Children. 4.0—News.
4.15—Sacred Music. 4.55—Poems.
5.50—Dopolavoro Notes. 6.0—Sports
Notes and Talk (French). 6.20—News
in Foreign Languages.

7.5-Time; News. 7.30—Govern-

7.5—Inne; News. 7.30—Government Notes.
7.40—The Bells of Rovereto.
8.0—Sacred Music. Part I. Ferruccio Viganelli (Organ). Two Chorals (Bach). L'heure mystique (Bossi). Meditation (Vierne). Part II. Requiem (Perosi). 10.0-10.15—News.

SOFIA (Bulgaria)
850 kc/s (352.9 m.); 1 kW.
Transmits at intervals from 10.0 a.m.
5.0 p.m.—Folk Music. 5.15—Concert.
5.40—Danov (Violin) and Alma
Tadjer (Pfte.). 6.15—Popular Music.
6.40—Talk. 6.55—German Songs by
Sya Voinikova (Soprano).
7.30—Excerpts, "Der Rosenkavalier" (Strauss). 7.45—News. 8.0-9.0—
Light Music and Dance Music; at
8.30: Notes.

SOTTENS (Switzerland)
677 kc/s (443.1 m.); 100 kW.
Relayed by Geneva, 401 kc/s
(748 m.).
11.0 a.m.—Trio for Violin, 'Cello and
Pre. (Mozart). 11.30—News. 11.4012.45 p.m.—Light Music. Bob Engel
Orchestra. 3.29—Time.
3.30-5.0—See Beromünster. 5.0 (from
Geneva)—For Women. 5.15—Talk:
Peace.

Geneva)—For Women. 5.15—Talk: Peace. 5.30-6.50—Programme from Geneva. 5.30-6.50—Programme from Geneva. 5.30-6.50—News. 7.30-Esson: Rhythm. 6.15—Radio Magazine. 6.50—News. 7.0 (from Geneva)—Sonata for Viola d'amore and Harpsichord (Rust). 7.15 (from Geneva)—Astronomical Talk: Castor. 7.35 (from Geneva)—Japanese Poems and Songs by Yosie Fujiwara (Tenor). 8.0—See Beromünster. 9.5-9.30 (from Geneva)—League of Nations Report.

STOCKHOLM (Sweden)

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.—Lecture-Recital: Danish Folk Songs. 4.35—Reading.
4.55—Scandinavian Music. Norr-köping Orchestra. «Conductor: Freudenthal. Overture, "Elverhøj" (Kuhlau). Norwegian Rhapsody (Svendsen). Selection, "The Wedding at Ulfása" (Söderman). Preludio solenne (Jonsson). Three Gothland Dances (Aulin). Oriental Festival March (Nielsen).
5.50—Dialogue. 6.15—News. 6.30—Radio Dance Band. 7.15—Discussion: Sectarianism.
8.15—Ture Rangstrøm Songs by Set Svalholm, the Composer accompanying. Vältan. Kastaliskt. Orfeus. Tristans död. Syrsorna. Blåklint. Flickan från fjärran. Trumman. 8.45—News. 9.0-10.0—Records.

Records.

STRASBOURG (France)
859 kc/s (349.2 m.); 100 kW.
Transmits at intervals from 6.45 a.m.
4.0 p.m.—Chamber Music.
Pogoda
(Pfte.). Octet (Svendsen). Pfte.;
Croquis lorrains (Bretagne). Octet

(Lazzari). 5.0-Records, 5.15-Film Talk

5.0—Records, 5.15—Film Talk.
5.30—Orchestra. Roskam ('Cello).
Spanish Legends (Rust). Entr'acte,
"La Colombe". (Gounod). Serenade. (Caludi). Hymn to the Sun
(Rimsky-Korsakov).
6.0—For Gardeners (in German).
6.15—Records: Petite suite (Debussy). 6.30—News; Reviews.
7.15—Franck and Fauré Records by
Panzera (Baritone). 7.30—Time;
News (French, German). 8.10—
Records.

News (France, Records. 8.30—Chamber Music. Trio Sonata da chiesi (Corelli). Flute Sonata (Bach).

8.30—Chamber Music. Trio Sonata da chiesi (Corelli). Flute Sonata (Bach). Serenade (Dvořák).
9.30—Kuntz (Organ) from Obernai Church. Choral (Franck). Internezzo (Widor). O Golgotha (Malcingreau). Funeral March and Song (Guilmant). Ite missa est (Erb).
10.30—News (French, German).

STUTTGART (Germany) 574 kc/s (522.6 m.); 100 k

5/4 kc/s (522.6 m.); 100 kW.

Transmits at intervals from 5.0 a.m.
11.10 a.m.—See Hamburg.
1.0-2.0 p.m.—See Deutschlandsender.
3.0—See Deutschlandsender. 4.45—
Report: Technical Libraries. 5.0—
Station Orchestra, Wendling Quartet and Singers. 6.45—Baden Echoes.
7.0—News.
7.10—See Hamburg.

8.10—All Souls' Day Concert. Station Soloists, Choir and Orchestra. Conductor: Steffen. 9.0-Time; News. 9.30-Classical

11.0 p.m.-1.0 a.m. (Tuesday)—See Frankfurt.

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.0 a.m. 8.10 p.m.—Bal Champetre Orchestra. 8.25—Jazz. 8.40—Cigány Band. 8.55 —News. 9.0—Sketch. 9.45—Paris

—News. 9.0—Sketch. 9.45—Paris Programme. 10.15—"Fleurs fanées"—Fantasy. 10.40—Operetta Airs. 11.0—Mexican Dance Band. 11.15—Chansonnettes. 11.40—Orchestra. 11.55—News. 12.5 a.m. (Tuesday)—Light Music. 12.20—Dance Music. 12.30—Announcements.

TURIN (No. 1) (Italy)

1,140 kc/s (263.2 m.); 7 kW.
Relayed by Milan (No. 1), 814 kc/s
(368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,140 kc/s (263.2 m.); Florence, 610 kc/s (491.8 m.); Bolzano, 536 kc/s (559.7 m.); and Rome (No. 3), 1,258 kc/s (238.5 m.).
7.30-7.50 a.m.—News.
9.30-10.30—Requiem Mass from the Church of the Annunciation, Florence.
11.45—News. 12.50-1.0 p.m.—News.
10.—Exchange.
3.40-4.55—See Rome. 5.50—Dopolavoro Notes. 6.0—News in Foreign Languages.

Languages. 7.5-10.15—See Rome.

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW.
Relayed by Graz and Linz, 886 kc/s
(338.6 m.); Innsbruck, 519 kc/s
(578 m.); Klagenfurt and Vorarlberg, 1,294 kc/s (231.8 m.); and
Salzburg, 1,348 kc/s (222.6 m.);
Transmits at intervals from 6.0 a.m.
4.40 p.m.—Excerpts, Liturgy of the
Dead, by the Vienna Seminary
Schola Gregoriana. Conductor and
Commentator: Dr. Franz Koosch.
5.10—Burgenland Programme. 5.35—
English Lesson. 6.0—News.
6.15—"Voices of the Past"—Records
of Famous Artists. 6.50—All Souls'
Day in the Cistercian Monastery,
Stams—Report.
7.10—Requirem (Mozart) by the
"Hofmusikkapelle." Conductor:
Grossmann.

7.10—Requiem (Mozart) by the "Hofmusikkapelle." Conductor: Grossmann.

8.10 — Newly published Songs of Hugo Wolf—Erika Rokyta (Soprano) and Hans Duhan (Baritone). Ghasél. Nachruf. Abendbilder. Der Schwalben Heimkehr. Knabentod. Liebesfrühling. Gretchen vor dem Andachtsbild der Mater dolorosa. Herbstentschluss. Herbst. Frage nicht. Suschens Vogel. Die Tochter der Heide. Die Kleine. 9.0—Records of Moissi. 9.10—News. 9.20—Station Orchestra. Conductor: Schönherr. Overture, "Figaro" (Mozart). Andante in G (Haydn). Ein Schubert-Abend in Alt-Wien (Ralf). Elegy in C (Tchaikovsky). Dvoråk Potpourri (Leopold). Clair de lune (Debussy). Selection, "Once upon a time" (Zelensky). Entr'acte, "Das Opfer" (Kolleritsch). Concert Overture (Scassola). 10.50-11.0—Announcements.

itsch). Concert Overture (Scassola).

10.50-11.0—Announcements.

WARSAW (Poland)

224 kc/s (1,339 m.); 120 kW.
Relayed by Cracow, 1,022 kc/s
(293.5 m.); Katowice, 758 kc/s
(293.5 m.); Katowice, 758 kc/s
(293.5 m.); Lódz, 1,339 kc/s
(224 m.); Lwów, 795 kc/s (377.4

m.); Poznań, 868 kc/s (345.6 m.);
Torun, 936 kc/s (304.3 m.); and
Wilno, 536 kc/s (559.7 m.).
Transmits at intervals from 5.30 a.m.
11.3 a.m.—Light Music by the Rachoń
Quartet. 11.40—Talk. 11.50-12.0

noon—News. 2.0 p.m.—Economics.
2.15—Records: Old Songs. 2.55—
For Children.
3.15 (from Poznań)—"A Dialogue
with Death "—Oratorio for All Souls'
Day (arr. Markowski). Poznań
Cathedral Choir. Conductor: Fr.
Gieburowski. Nowowiejski (Organ)
and Others. 4.15—Talk. 4.30—
Wagner Records. 5.0—Topical. 5.10

—Sports. 5.20—Announcements. 5.50

—Talk.
6.0—Act 111, "Les Noces"—Play
(Wyspiański). 7.0—For Soldiers.
7.30 (from Poznań)—Marie Trampczynska (Contralto). Dignare o
Domine (Handel). Lobet den Herrin
(Beethoven). In questa tomba
oscura (Beethoven). Litanei (Schubert). Le Jour des morts (Nowowiejski). On Wings of Song (Moniuszko).
7.50—News. 8.0—Topical. 8.5—
Records: Sacred Music.
8.55—Sophie Rabcewicz (Pfte.). Toccata and Fugue in D minor (BachTausig). Sonata in C sharp minor
(Chopin).
9.25—Widomski (Organ) from the
Warsaw Conservatoire. Passacaglia
in D minor (Brachte-Linde). Prelude and Fugue on a Bach Them:
(Liszt). Gothic Suite (Bochmann)
10.0—Record:

4 p.m.

BERLIN, Variety, 4.30—Talk, BU-DAPEST (1), Report, 4.45—Hun-garian Chamber Music, COLOGNE, Books, 4.15—Operetta

Records.

DEUTSCHLANDSENDER, Hun-

Records.
DEUTSCHLANDSENDER, Hungarian Music.
FRANKFURT, Light Orchestral. 4.30
—Talk, Sketch.
HAMBURG, Books. 4.15—Variety.
HILVERSUM (1,875 m.), Records, Recitations. 4.40—K.R.O. Chamber Orchestra. HLVERSUM (301.5 m.), 4.10—Children's Choir.
KÖNIGSBERG, 4.5—Ruth Franz Schöbel (Soprano). 4.25—Talks.
MUNICH, Unfamiliar Schubert Music. 4.45—Call of Youth. 4.50—For Farmers.
PARIS (PTT), Gourevitch (Pfte.).
4.15—Reading (Mark Twain). 4.30—Singing Lesson. PRAGUE, 4.30—Wandererleider (Mahler).
RADIO-NORMANDIE, Concert. 4.45—For Children. RADIO-PARIS, Records. ROME, News. 4.15—Violin Sonatas (Scarlatti, Bossi).
SOTTENS and BEROMÜNSTER, Horn. 4.30—Opera Music. STOCK-Records.
TURIN, News. 4.15—Dance Music.

Records.
TURIN, News. 4.15—Dance Music.
4.55—For Women.
WARSAW, 4.15—Songs, Pftc. 4.50
—Monologue.

5 p.m.

ATHLONE, 5.30—Children's Hour. ATHLONE, 3.30—Children's Hour.
BEROMÜNSTER, Report. 5.25—
Music. 5.30—Widmann Commemoration.
BRUSSELS (1), Berlioz
and Falla Records.
BRUSSELS
(2), Orchestra and Records.
5.45—
For Children. BUDAPEST (1),
Hungarian Chamber Music.
5.30—
Talk

Talk.
COLOGNE, Operetta Records. 5.25—
Review. 5.45—Dance Music.
DEUTSCHLANDSENDER, English
Folk Songs. 5.25—Review. 5.45—

Talk.

HILVERSUM (1,875 m.), K.R.O.
Chamber Orchestra. Af 5.25—
Greetings. HILVERSUM (301.5 m.), Children's Choir. 5.10—
Kovaes Lajos Orchestra, Organ.
KALUNDBORG, Chimes, Excerpts, "Follow the Fleet "(Berlin). 5.15—
Weather. 5.35—German.
LEIPZIG, Orchestra and Children's Choir.

Choir.
MUNICH and MOST GERMAN
STATIONS, Light Music, Pite.
PARIS (PTT), Paris Symphony
Orchestra. Conductor: Tomasi,
(Auber, Mébul, Büsser). 5.30—
Talk, Notes. PRAGUE, Markets.
5.10—German Transmission: Economics, Variety, News, Review.
RADIO-NORMANDIE, Records. 5.15
—Orchestra. 5.30—London Music.

RADIO-NORMANDIE, Records, 5.15
—Orchestra. 5.30—London Music.
5.45—Records. RADIO-PARIS,
English. 5.20—Talk. 5.30—Paris
Symphony Orchestra. Conductor:
Tomasi. Denise Sternberg (Pitc.).
(Auber, Debussy, Brahms, Chopin).
SOTTENS, Records. At 5.30—
Readings. STOCKHOLM, Records. 5.45—French.
WARSAW, Talks; Notes.

6 p.m.

ATHLONE, Children's Hour. 6.15—Concertina Selections. 6.35—Irish News. 6.45—Stocks, News. BERLIN, Talk. 6.15—Soprano and Pfte. with Commentary. 6.45—Echoes. BEROMUNSTER, Widmann Commemoration (contd.) 6.30—News. 6.40—"David and Goliath"—Dialect Play Juker). BRESLAU, "Transylvania"—Radio Pictures (Obst), Music by Sczuka. BRUSSELS (1), Lecture-Recital: Wind and Rain. 6.30—Salon Orchestra. BRUSSELS (2). For Children. 6.30—Records. 6.45—Talk. BUCHAREST and RADIO-ROMANIA, Educational. 6.20—Edelweiss Tyrolese Ensemble. 6.55—Songs. BUDAPEST (1), Hungarian Folk Songs.

DEUTSCHLANDSENDER, Variety.

DEUTSCHLANDSENDER, Variety. 6.45—Echoes. 6.55—Gencalogy. FRANKFURT, "Ernst Moritz Arndt".—Sequence. 6.30—Anti-Waste Campaign. 6.40—Topical. 6.55—Economics, Notes.
HAMBURG, St. Hubert Festival at Bockenem. 6.45—Topical. HILVERSUM (1,875 m.), K.R.O. Chamber Orchestra. 6.20—Esperanto.. 6.40—Police Messages, Talk. HILVERSUM (301.5 m.), Orchestra (contd.), 6.10—Talk. 6.40—For Children. 6.45—A.V.R.O. Dance Band.

Band. KALUNDBORG, News. 6.30—Talk.

KÖNIGSBERG, News. 6.10—Talk.
6.45—Report.
LEIPZIG, Scenes from a Dessau
Labour Service Camp. 6.45—
Topical.

MUNICH, Quartet in E flat (Reger) by the Strub Quartet. 6.45—Söngs: OSLO, 6.30—Songs.
PARIS (PTT), Orchestra (contd.). Denise Stemberg (Pfte.). 6.30—News, Topical. POSTE PARISIEN, Call, Religious Address. 6.17—Leonora Overture (Beethoven). 6.30—Exchange. 6.35—Topical. 6.42—Records, Talk. PRAGUE, News. 6.10—Talks. 6.30—Tithe Kiss."—Opera (Smetaaa). Conductor: Chalabala.

Chalabala.

RADIO-NORMANDIE. Children's Corner. 6.40 — Talk. RADIO-PARIS, Dramatic. 6.30 — Orchestra (contd.). (Weber, Grieg, Périlhou, Gaubert). ROME, Record. 6.5—News and Talk (English). 6.20—News in Foreign Languages.

SOTTENS, For Invalids. 6.15—Talk. 6.35—Interlude. 6.50—News. STOCKHOLM, French. 6.15—News. 6.30—Cabaret. STUTT-GART, Records. 6.45—For Girls. TURIN, News in Foreign Languages. WARSAW, Discussion. 6.20—"Hunting"—Musical Sequence (Roy).

7 p.m.

ATHLONE, Elgar Music. Orchestra

SYMPHONY CONCERTS

LIGHT CONCERTS

3.30

5.10

7.10 7.10

7.20 7.50 7.50

8.0 8.40

9.0

PRINCIPAL EVENTS

7.30 Bucharest: Perlea, Metzner (violin).
7.30 Oslo, Kalundborg, Stockholm: Norwegian Music.
7.50 Beromünster: Symphony (Dittersdorf).

Kalundborg: Radio Orchestral, songs.
Deutschlandsender: Orchestral, songs.
Swiss stations: Suisse romande Orch.
Brussels 2: Conductor, Paul Gason.
Hilversum (301.5 m.): Kovacs Lajo
Orchestra, Palla (organ).
Radio-Paris: Popular orchestral.
Monte Ceneri, Vienna Ticino prog.
Presslavi. Paquest concert.

Breslau: Request concert.

Deutschlandsender: Military band.

Sottens: Orchestral and vocal.
Athlone: Belgian music.
Hilversum (301.5 m.): Variety concert.
Brussels 2: Orchestral and vocal.
Warsaw: Choir, band.

Stockholm: Light music. Budapest 1: Light orchestral.

Kalundborg: Radio Orchestra.

Conductor: Perlea. Metzner (Violin). BUDAPEST (1), Nándor Alapi. 7.45—News.

COLOGNE, Notes. 7.10—Woodland Songs and Hunting Songs. 7.40—A Visit to a Forester's House.

DEUTSCHLANDSENDER, STUTT-GART, News. 7.10—Tally-ho!"—Military Band.

EIFFEL TOWER, News. 7.10—Racing. 7.20—Foreign Affairs; Talk. 7.45—Press Review. 7.55—Home Affairs.

FRANKFURT, News. 7.10—Mozart Concert. Part 1: Orchestra, Bass and Solo Instruments.

HAMBURG, BERLIN, News. 7.10—Bacchus and Hubert"—Autumn Sequence (Harbeck). Musicarranged by Girnatis. Choir, Dance Band, Orchestra and Singers. HILVER-SUM (1,875 m.), Talks; News; Records. HILVERSUM (301.5 m.), A.V.R.O. Dance Band. 7.10—English. 7.40—News. 7.50—Variety Concert.

KALLINDBORG, Chimes; Records:

English. 7.40—News. 7.50— Variety Concert.
KALUNDBORG, Chimes; Records:
"Die Fledermaus" (Strauss). 7.10
—Reading. 7.30—See 0810. KÖ-NIGSBERG, News. 7.10—Winter Relief Fund Concert. Orchestras, Börschel Band and Tenor.
LEIPZIG, News. 7.10—Dessau Orchestra and Singers. LILLE, Operetta Music. 7.30—Records.

Kovacs Lajos

12.15 Radio-Paris: Orchestra, songs. 1.45 Kalundborg: Radio Orchestra.

MONTE CENERI, "Hallo, Vienna, Lugano calling!"—Ticino Concert for Vienna. Orchestra, the Ceresio Singers, Mandoline Band, Soprano and Harpsichord. MUNICH, News. 7.10.—"Der arme Jonathan" —Operetta (Millöcker). Conductor:

OSLO, Talk. 7.30—Concert for the Scandinavian Music Weeks—Norway. Oslo Philharmonic. Conductor: Kramm. Alme (Pfte.) and Maurstad (Hardanger, Fiddle) (Eggen, Borgstrøm, Halvorsen).

PARIS (PTT). Topical. 7.38—Paris Symphony Orchestra. Conductor: Tomasi. (Gounod, Massenet, Thomas). POSTE PARISIEN, Talk. 7.6—Sports. 7.10—News. 7.25—Amusements. 7.30—Light Music. 7.45—Paris Programme. PRAGUE, "The Kiss." (contd.).

PRAGUE, "The Kiss" (contd.).
RADIO-NORMANDIE. Concert. 7.40
—News. RADIO-PARIS, Orchestra (contd.). 7.30—Talks. ROME,
7.5—Time; News. 7.30—Talk.
7.40—"I tre fiori"—Play (Pardini).

7.40—"I tre non"—Play (Pardini).

SOTTENS, Books. 7.20—Orchestra.
Conductor: Appia. Arias. STOCKHOLM, Report. 7.30—See Oslo.

TURIN, 7.5—Time; News. 7.30—
Talks. 7.45—"Conchita"—Opera

OPERAS

7.10

OPERETTAS

November 3 TUESDAY

Records. 8.15—Topical. 8.30—See Paris (PTT).

MONTE CENERI, Ticino Concert (contd.). 8:30—Talk. 8.45—Review. MUNICH, "Der arme Jonathan" (contd.). 8.30—Talk. 8.40—News.

PARIS (PTT), Talks. 8.30—"Boris Godunov"—Opera (Musosrgsky). National Orchestra and Raugel Choir. Conductor: Inghelbrecht. POSTE PARISIEN, Paul Reboux (Records). 8.15—Light Music., 8.30—Waltz (Clacquesin). 8.31—"Sous le Vent"—Play (André-Béart). PRAGUE, "The Kiss" (contd.). 8.45—Reading.

RADIO-NORMANDIE, Records. 8.20—Talk. 8.25—Records. RADIO-PARIS, Paul Reboux (Records). 8.5—Italian Books. 8.20—Anecdotes. 8.30—News. 8.45—"Soirée de.chansonniers"—"A lignez-vouz" presented by Victor Vallier. ROME, "Itre fiori"—Play (contd.).

7.45 Turin: "Conchita" (Zandonai).
8.30 París (PTT), etc.: "Boris Godunov."

9.40 National: Princess Caprice.

CHAMBER MUSIC
4.40 Hilversum (1,875 m.): Chamber orch.
9.20 Vienna: Quartets (Graener, Haydn).
9.30 Deutschlandsender: Suite (Telemann).

9.30 Deutschlandschled:
RECITALS
4.15 Warsaw: Song, pianoforte.
5.0 Deutschlandsender: English folk songs.
6.0 Budapest 1: Hungarian folk songs.
8.30 National: Peter Dawson (baritone).
8.46 Paris: Chansonniers.

Radio-Paris: Chansonniers. Leipzig: Church organ.

9.35 Leipzig: Church organ.

PLAYS
7.40 Rome: "I tre fiori" (Pardini).
8.0 Regional: "Laburnum Grove."
8.30 Brussels 1: "Scandal at the Opera."

löcker).
9.40 National: "Princess Caprice."

Munich: "Der arme Jonathan" (Mil-

VERSUM (1,875 m.), Variety. 9,40
—K.R.O. Melodists. HILVERSUM (301.5 m.), Variety.
KALUNDBORG, News. 9.15—Orchestra. Conductor: Grøndahl
(Beethoven, Strauss. Schubert, Mendelssohn, Lanner). KÖNIGSBERG,
News. 9.20—Review. 9.30—Concert (contd.).
LEIPZIG, News. 9.20—The Legend
of St. Hubert (Steigerwald). 9.35—
Ackermann (Organ).
MONTE CENERI, Review. MUNICH, News. 9.20—Anniversaries,
9.30—To be announced.
OSLO, Topical. 9.15-9.45—Dance
Music.
PARIS (PTT). LILLE, STRAS-

Music.
PARIS (PTT). LILLE, STRAS-BOURG, "Boris Godunov" (contd.). POSTE PARISIEN, "Sous le Vent"—Play (contd.). PRAGUE, News. 9.15—Excerpts from Current Plays. 9.35—Records. 9.45—English News.
RADIO-NORMANDIE, Music of Normandy Composers. RADIO-PARIS, "Soirée de chansonniers" (contd.). ROME, Choirs of the Roman Busilicas. 9.40—To be announced.

Roman Basilicas. 9.40—10 be announced.

SOTTENS, 9.0-9.15—"Soirée de Chansons" (contd.). STOCK-HOLM, Radio Orchestra. STUTT-GART, News. 9.20—Review. 9.40—Music from Hamburg.

TOULOUSE, News. 9.10—Light Music. 9.45—Paris Programme. TURIN, "Conchita"—Opera (contd.).

IURIN, (contd.).
VIENNA, Variety. 9.10—News, 9.20
— Dresden String Quartet (Graener, Haydn).
WARSAW, Poznań-Warsaw Exchange Programme (contd.). 9.30—Literary. 9.45—Dance Music.

10 p.m.

ATHLONE. Variety. 10.30—News; Light Music.
BRESLAU, Concert (contd.). BRUSSELS (1), News. 10.10—Records.
BRUSSELS (2), News. 10.10—Records.
BRUSSELS (2), News. 10.10—Records.
BRUSSELS (2), News. 10.10—Records.
BUDAPEST (1), Talk.
10.15—Jazz Band.
DEUTSCHLANDSENDER, Records.
EIFFEL TOWER, Pierre and Robert Constantin Brive.
HAMBURG, BERLIN, FRANK-FURT, LEIPZIG, Music (contd.).
HILVERSUM (1,875 m.), K.R.O.
Melodists. 10.10—News; Records.
10.25—K.R.O. Boys. 10.55—Records.
HILVERSUM (301.5 m.), Bridge. 10.40—News. 10.50—Records.
KALUNDBORG, Donde Dance Band.
KÖNIGSBERG. Concert (contd.).

KÖNIGSBERG Concert (contd.),
PARIS (PTT), LILLE, STRASBOURG, "Boris Godunov"
(contd.). 10.30—News: Topical.
POSTE PARISIEN, "Sous le
Vent"—Play (contd.). 10.30—
Cabaret.

Cabaret.

RADIO-NORMANDIE, Normandy
Camposers (contd.). RADIO-KADIO-NORMANDIE, Normandy Composers (contd.). RADIO-PARIS, "Soirée de chansonniers" (contd.). 10.45—Dance Music—Pascal Orchestra. ROME, News. TOULOUSE, Paris Programme. 10.15—Excerpts, "Tosca" (Puccini), 10.40—Chansonnettes. 10.55—News. TURIN, "Conchita"—Opera (contd.). 10.30—Dance Music.

WIENNA, Quastets (contd.). 10.20— Notes. 10.30—Operetta Music. WARSAW, Dance Music.

9 p.m.

ATHLONE, 9.5—For Farmers. 9.25
—The Week's Anniversary. 9.30—

SOTTENS, Orchestra (contd.). 8.15— Chansons." STOCK

OTTENS, Orchestra (conto.). 8.15—
"Soirée de Chansons." STOCKHOLM, See Oslo 8.30—Poems.
8.45—News. STRASBOURG, 8.30
—See Paris (PTT). STUTTGART,
DEUTSCHLANDSENDER, Or-

DEUTSCHLANDSENDER, Or-chestra. Conductor: Schröder. TOULOUSE, 8.10—Operetta Ex-cerpts. 8.25—Orchestra. 8.55— News. TURIN, "Conchita"— Opera (contd.). VIENNA, See Monte Ceneri, 8.35— Reading.

VIENIVA, See Monte Ceneri. 8.33— Reading. Chamber Music (contd.). 8.40 — Poznań-Warsaw Exchange Programme. Part I from Poznań. Mezzo-Soprano, Violin and Male Voice Choir with Address. Part II from Warsaw, Military Band.

Variety.

BEROMÜNSTER, Overture (Haydn) (contd.). 9.5—News. BRATIS-LAVA, News (Czech, Hungarian). 9.30—Slovak Chansons. BRES-LAU, News. 9.30—Concert (contd.). BRUSSELS (1), Play (contd.). 9.30—Brenders Dance Band. BRUSSELS (2), Symphony Orchestra, Tenor. BUCHAREST and RADIO-ROMANIA, Concert (contd.). 9.20—Records. 9.45—News (French, German, Romanian). BUDAPEST (1), 9.5—Orchestra.

COLOGNE, News. 9.20—Chess. 9.30—English Talk. 9.50—French

DEUTSCHLANDSENDER, News. 9.30—Don Quixote Suite (Telemann).
EIFFEL TOWER, Pierre and Robert

Constantin Brive.

HAMBURG, BERLIN, FRANKFURT, News. 9.30—Light Music
and Folk Music—Orchestra, Lanner
Quartet, Harp and Balalaika. HIL-

11 p.m.

BUDAPEST, 11.5—News.
HILVERSUM (1,875 m.), Records.
HILVERSUM (301.5 m.), Records.
KALUNDBORG, Chimes; Donde

KALUNDBORG, Chimes; Donde Dance Band.

RADIO - NORMANDIE, Dance Music. 11.30—From the Cabane Normande. RADIO-PARIS, Dance Music (contd.). 11.15—Light Music—Pascal Orchestra.

STRASBOURG, News (German). STUTTGART and FRANKFURT, "Serenade"—Records (Bach, Handel, Gluck, Hoffmann, Spohr).

TOULOUSE, Orchestra. 11.40—Operetta Airs. 11.55—News.

VIENNA, Light Orchestral.

12 midnight

RADIO - NORMANDIE, Dance Music. 12.30—Orchestra. RADIO-PARIS, 12.0-12.15—Light Music (contd.). STUTTGART and FRANKFURT, "Serenade" (contd.). TOULOUSE, 12.5—Light Music.;

9.30 Hamburg, etc.: Popular programme. 10.30 Vienna: Operetta music, etc. 11.15 Radio-Paris: Pascal Orchestra. and Pearl Maconkey (Mezzo-Soprano). 7.35—Gaelic Talk. 7.50—Belgian Concert.
BEROMUNSTER, "David and Goliath"—Play (contd.). 7.50—Symphony in F (v. Dittersdorf). BRESLAU, News. 7.10—Winter Relief Request Concert—Orchestra, Choir and Dance Band. BRUS-SELS (1), Fourth Symphony in D minor (Schumann) (Records). 7.30—Review. BRUSSELS (2), Records. 7.30—News. BUCHAREST and RADIO-ROMANIA, Songs. 7.15—Talk. 7.30—Symphony Concert. Conductor: Perlea. Metzner (Violin). BUDAPEST (1), Nåndor Alapi. 7.45—News. (Zandonai).

Conductor: The

8 p.m.

ATHLONE, Belgian Concert. 8.50—What has your County done?
BEROMÜNSTER, Symphony (Dittersdorf) (contd.). 8.25—Soprano, Flute and Harpsichord. 8.55—Overture, "L'isola disabitata" (Haydn.). BRATISLAVA, Orchestra (Haydn, Mozart, Wagner, Weinberger). BRESLAU, Concert (contd.). BRUSSELS (1), Brenders Dance Band. 8.30—"Scandal at the Opera"—Play (Lustig-Geza). BRUSSELS (2), Symphony Orchestra and Soprano. 8.45—Talk. BUCHAREST and RADIO-ROMANIA, Concert (contd.); at 8.30. News. BUDAPEST (1), 8.5—Records.

Brive.

8.30 Brussels 1: "Scandal at the Opera."
LAST NEWS BULLETINS, See Monday
DANCE MUSIC
5.45, Cologne; 8.0, Brussels 1; 9.15, Oslo;
9.45, Warsaw; 10.0, Kalundborg;
10.15, Budapest 1; 10.25, Regional;
10.45, Radio Paris; 10.55, National.
11.0, Radio-Normandie.

MISCELLANEOUS
8.15 Sottens: Soirée de Chansons.

Composer.
VIENNA, See Monte Ceneri.
WARSAW, Report: International
Congress of Church Music at
Frankfurt. 7.10—Chamber Music.
Orchestra, Violin, Oboe (Rabaud,
Telemann, Haydn, Ekier); at 7.45:
News.

8.30 : Ne.

8.5—Records.

COLOGNE, A Visit to a Forester's
House (contd.). 8.10—Hunting
Music—Choir, Orchestra and BassBaritone.

EIFFEL TOWER, Home Affairs.
8.30—Pierre and Robert Constantin
Brive.

Brive.

FRANKFURT, Mozart Concert (contd.). Part II: "Zaide"—Opera. Conductor: Rosbaud.

HAMBURG, BERLIN, "Bacchus and Hubertz" (contd.). HILVERSUM (1,875 m.), Records. 8.10—Variety. HILVERSUM (301.5 m.), Variety. KALUNDBORG, See Oslo. 8.30—Talk. KÖNIGSBERG, Concert (contd.).

LEIPZIG, Orchestra (contd.). LILLE,

TUESDAY (November 3)

NATIONAL

For Time Signals, see Monday.

10.15 a.m. (D)—Service.
10.30 (D)—Weather Forecast.
10.45—Hints for the Housewife.
11.40—Records from the Films.
11.30—For the Schools: History.
11.50—Theatre Orchestra.
12.30 p.m.—The Northern Ireland Brass Band; James Breakey (Baritone)

Brass Band; James Breakey (Baritone).

1.30—Harry Engleman's Quintet—Vernon Adcock (Xylophone).

2.0 (ex. Scottish)—Herring Bulletin.

2.0-4.0 (Scottish)—See Regional.

2.5 (ex. Scottish)—For the Schools:
The Countryside. 2.30—English.

3.0—Music. 3.35—French.

4.0—This was News—Geoffrey Crowther.

3.0—Music. 3.35—French.
4.0—This was News—Geoffrey Crowther.
4.20—Theatre Orchestra.
4.45—Gramophone Records.
5.15—Haydn Fawcett Orchestra.
6.0—The First News.
6.20—Bulletin of Special Notices.
6.25—Schubert—3; May Blyth (Soprano). Songs: Dem Unendlichen, Heidenröslein, An die Sonne, Op.
118, No. 5, An den Frühling, Op.
112, No. 5, Mignon, Augenlich, Mein Gruss an den Mai, Lambertine, Hermann und Thusnelda, Hoffnung.
Rastlose Liebe.
7.0—Charles Ernesco and his Quintet.
7.30 (ex. Scottish)—Talk: "Making Ends Meet in the Cottage."
7.30 (Scottish)— Talk—"Burgh Government To-day and Long Ago."
8.0—Van Phillips Orchestras.

vernment To-day and Long Ago."
8.0—Van Phillips Orchestras.
8.30—Peter Dawson (Baritone).
9.0—The Third News.
9.20—Talk—Scientists at Work.
9.40—"Princess Caprice." Franklyn Kelsey, Ernest Sefton, Bernard Ansell, Sybil Evers, Horace Percival, Betty Huntley Wright, George Graves, Morgan Davies, Colleen Clifford.

10.55—Maurice Winnick and his Orchestra.
11.30—Dance Records.

REGIONAL

For Time Signals, see Monday

For Time Signals, see Monday

10.15 a.m.—Service.

10.30—Weather Forecast.

10.45—Cinema Orchestra.

11.30—BBC Northern Orchestra.

12.30 p.m.—Organ—Frank A. Chapple.

1.15—BBC Theatre Orchestra.

2.0 (ex. Scottish)—Dance Records.

2.0 (Scottish)—For the Schools: 2.5—

"How the Town Lives." 2.30—Elementary French.

2.30 (ex. Scottish)—Geiger Orchestra.

3.0—Torquay Municipal Orchestra;

Henry Gill (Baritone), Irene Kohler (Pfte.).

(Pfte.). 4.0 (Northern)—Evensong from York

(Pfte.).
4.0 (Northern)—Evensong from York Minster.
4.30—William Cowper, Selected by Lord David Cecil.
4.45—The Philip Whiteway Ensemble.
5.15—The Children's Hour.
5.40 (Regional, Midland, Scottish)—"Beethoven "—Talk by Victor Hely-Hutchinson.
5.40 (N. Ireland)—"Wild Geese"—Talk by C. M. Skerrett-Rodgers.
6.0 (cx. Midland, N. Ireland)—Quentin Maclean at the BBC Theatre Organ.
6.0 (Midland)—Coventry Band.
6.0 (N. Ireland)—Alex Monaghan and his Orchestra.
6.20 (Scottish)—For Scottish Farmers.
6.25 (Regional)—Carrol Levis and his Discoveries; Jean Melville (Pfte.).
6.25 (Western)—Band.
6.25 (Northern)—Dance Band.
6.40 (Midland, N. Ireland)—"1066 and All That," presented by Emile Littler and Sir Barry Jackson.
6.40 (Scottish)—Cinema Organ.
7.0—The Second News.
7.20—Regional, N. Ireland)—BBC
Military Band.
7.30 (Midland)—Records.
7.30 (Western)—Welsh part-songs and poetry.
7.30 (Northern)—Choral Concert.

7.30 (Moltand)—Records.
7.30 (Mostern)—Welsh part-songs and poetry.
7.30 (Northern)—Choral Concert.
7.30 (Scottish)—Variety.
8.0 (ex. N. Ireland)—"Laburnum Grove"—J. B. Priestley.
8.0 (N. Ireland)—"The Drone"—Comedy by Rutherford Mayne.
9.15 (Regional, Midland, N. Ireland)—BBC Midland Orchestra.
9.15 (Western)—The Clifton Light Orchestra; Winifred Davey (Pftc.).
9.15 (Northern)—Heard this one?
9.15 (Scottish)—A Ceilidh in a Crofter's House in Bernera, Lewis.
9.30 (Northern)—William Congreve, by Francis Dillon.
9.50 (Scottish)—Scottish News.
10.25—Dance Music.
10.25 (Western)—Welsh News.
11.30—Late News Summary.
11.40—John Hunt (Pftc.).

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.—Time; Weather; Stocks; Records, 5.30—Children's Hour.

6.15—Concertina Selections.

6.35—Irish News Feature.

6.45—Weather; Stocks; News; Time.

7.0—Elgar Songs and Music by the Station Orchestra. Pearl Maconkey (Mezzo-Soprano). Suite, The Crown of India. Serenade for Strings.

Chanson de matin.

7.35—Gaelic Talks on World Literature—Bulgaria by Sean O'Beirne.

7.50—Belgian Concert. Belgian National Anthem. Talk by M. Goor:

Belgian Misic by the Station Orchestra. Songs in French, with Commentary. Talk:

Belgian Literature. Flemish Songs with Commentary.

8.50—What has your County done?

9.5—The Jolly Farmers—A Discussion for Agriculturalists.

9.25—The Week's Anniversary.

9.30—Variety.

10.30—What happened to-day; Light Music. 11.0—National Anthem.

RANSKA-RYSTRICA

BANSKÁ-BYSTRICA

(Czechoslovakia) 392 kc/s (765 m.); 30 kW. Relays Czechoslovak Stations.

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 Breslau. 1.0—News. 1.15—Berlin Opera Announcements. 2.0-2.30—Exchange; Markets.

Markets.
3.30—Variety—Station Orchestra and others. 4.30—Talk: Schliemann's Excavations at Troy.
5.0—See Munich. 6.0—Talk: Jiu

5.0—See Municii.
Jitsu.
6.15—Erika Legart (Soprano) and
Hannemann (Pfte.). Commentary
by von Benda. 6.45—Evening Echoes.
7.0—News; Topical.
7.10—See Hamburg.
9.30-11.0—See Hamburg.

BEROMÜNSTER

(Switzerland)

(Switzerland)
556 kc/s (539.6 m.); 100 kW.
Relayed hy Basle and Berne, 1,375
kc/s (218.2 m.).
5.30 a.m.—Gym. 11.0—Italian Light
Music. Conductor: Henrich. 11.29—
News

News. 11.40 a.m.-12.45 p.m.—Radio Orches tra. Conductor: Bernhard. 3.0—

Talk.
3.0—See Sottens.
5.0—See Sottens.
5.0—Report from a Sawmill.
5.25—Music.
5.30—J. V. Widmann Commemoration Programme.
6.30—News.
6.40—"David and Goliath"—Four-Act Dialect Play after von Tavel (Juker), from the Heimatschutz Theater. Berne.

ter, Berne.
7.50—Symphony in F (v. Dittersdorf) by the Radio Orchestra. Conductor: Bernhard.
8.25—Leni Neuenschwander (Soprano), Tassinari (Flute), Zulauf (Harpsichord).
8.55—Overture, "L'isola disabitata" (Haydn) by the Radio Orchestra.
Conductor: Bernhard.
9.5—News.

BORDEAUX-LAFAYETTE

(France) 1,077 kc/s (278.6 m.); 12 kW. Transmits at intervals from 6.50 a.m. 6.30 p.m.—News; Topical. 7.45— Sports.

Sports.

8.0—Records. Arias, "The Girl of the Golden West" (Puccini), "Manon Lescaut" (Puccini) and "Mirelia" (Gounod). 8.15—News.

8.30—See Paris (PTT).

BRATISLAVA

BRATISLAVA

(Czechoslovakia)

1,004 kc/s (298,8 m.); 13.5 kW.

Transmits at intervals from 6.15 a.m.

7.25 p.m.—Kalas (Baritone). Aria,
"Eugene Onegin" (Tchaikovsky).

Russian Song. Pour un baiser
(Tosti). At Dawning (Cadman).

Absent (Metcalf). Only for you
(Geehl). 7.45—Talk.

8.0—Station Orchestra: Conductor:
Schimpl. Nocturne (Haydn). Eine
kleine Nachtmusik (Mozart). Siegfried Idyll (Wagner). Overture,
"Nicholas Dacicky of Heslov"
(Weinberger).

9.0—News (Czech, Hungarian). 9.30—
Cikl (Slovak Chansons). 10.0-10.15—
Morse.

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.—Light Orchestral; at 12.0 noon: News. 1.0 p.m.—News.

1.15—Variety, from Deutschlandsender. 2.0—Markets. 3.0—For Children. 3.30—For Women. 3.45—Discussion: Training in Economics in Hungary

Orchestra, from Deutschland-ler. 4.40—Robert Hohlbaum reads. 5.0—See Munich. 5.50—Announce-

5.0—See Munich. 5.50—Ann. See Munich. 5.50—Miniments (Obst), Music by Sczuka. Station Choir, Orchestra, and Players, Conductor: Wirth. 7.0—News. 7.10-11.0—Winter Relief Request Concert. Station Orchestra, Choir, Dance Band, and Artists. Conductors: Topitz and Rau; at 9.0-9.30: News.

BRNO (Czechoslovakia)

922 kefs (325.4 m.); 32 kW. 8.45 p.m.—Humorous Readings. 9.0— News; Review; Sports. 9.15— Records: Light Music. 9.45—See Prague. 10.0-10.15—Morse.

9.45—See Prague. 10.0-10.15—Morse.

BRUSSELS (No. 1) (Belgium)
620 kc/s (483.9 m.); 15 kW.
6.37-9.0 a.m.—Records; News; Gym.
12.0 noon—Rossini Records. Excerpts, "William Tell" and "The Italian Girlin Algiers." 12.30 p.m.—Salon Orchestra. Conductor: Féron. 1.0—News. 1.10—Radio Orchestra. Conductor: Gason. 1.30—Records. 2.0—Art Notes.
4.55—News.
5.0—Records. Symphonic fantastique (Berlioz). Dances, "La vida breve" (Falla).
6.0—Lecture-Recital: Wind and Rain.
6.30—Salon Orchestra. Conductor: Féron.

Féron.
7.0—Fourth Symphony in D minor (Schumann), on Records.
7.30—

Review. 8.0—Brenders Dance Band. 8.30—"Scandal at the Opera"—Play (Lustig-Geza). 9.30—Brenders Dance Band. 10.0—

News. 10.10-11.0—Records. Pfte. Concerto in B flat (Tchaikovsky), with Solo-mon. Escales (Ibert).

in B flat (Tchaikovsky), with Solomon. Escales (Ibert).

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. 12.30 p.m.—
Radio Orchestra. Conductor; Gason.
10.—News. 1.10.—Salon Orchestra.
Conductor; Féron. 1.30.—Records.
20.—Shipping.
4.55.—News. 5.0.—Radio Orchestra,
Conductor: Gason, and Records.
5.45.—For Children. 6.30.—Records.
5.45.—Talk: Contemporary Problems.
70.—Records. 7.30.—News.
8.0.—Symphony Orchestra. Jenny
Jungbauer (Soprano). Overture,
"Ruy Blas" (Mendelssohn). Songs
(Strauss, Millöcker, Zeller). Hungarian Rhapsody (Liszt). Songs
(Strauss, Lehár). 8.45.—Talk.
9.0.—Symphony Orchestra. Armand
Crabbe (Tenor).—Overture, "Isabella" (Suppé). Songs (Maurage,
Pergolesi). Bal costumé (Rubinstein). Songs (Rimsky-Korsakov.
Kern, Spoliansky). Overture, "La
Cenerentola" (Rossini). 10.0.—
News.
10.10-11.0.—"Music-Hall"—Records.

10.10-11.0-" Music-Hall "-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 4.30 a.m.
6.0 p.m.—Educational Programme.
6.20—"Edelweiss" Tyrolese Ensemble.

20—"Edelweiss" lyrotese En-mible. 55—Ivanescu (Songs). Why? (Pen-ino). Mal d'amore (Buzzi-Peccia). Canta pe me (Curtis). Song (Tagliaferri). Occhi turchini (Denza). 7.15—Talk.

7.15—Talk.
7.15—Talk.
One-Symphony Concert by the Radio
Orchestra. Conductor: Perlea.
Metzner (Violin); at 8.30: News;
Sports. 9.20—Records: Light
Music. 9.45—News (French, German,

BUDAPEST (No. 1) (Hungary)
546 kc/s (549.5 m.); 120 kW.
Transmits at intervals from 5.45 a.m.
11.0 a.m.—Chimes. II.5—Records.
12.30 p.m.—Military Band. Conductor: Figedy. 3.10—For Women.
4.0—Report from the Town Park.
4.45—Hungarian Chamber Music.
5.30—Talk: Hunting. 6.0—Hungarian Folk Songs by Margit Bodán with the Veress Cigány Band. 7.0—Nándor Alapi. 7.45—News. 8.5— Records

Records.
9.5—Light Music—Station Orchestra.
10.0—Talk in a Foreign Language.
10.15—Kertesz Jazz Band. 11.5—

BUDAPEST (No. 2) (Hungary) 359.5 kc/s (834.5 m.); 18 kW. 4.0 p.m.—Records. 5.0—French Lesson. 6.0—For Farmers. 6.30— Tulk. 7.0—Palotai ('Cello).

COLOGNE (Germany)
658 ke/s (455.9 m.); 100 kW.
Trensmits at intervals from 5.0 a.m.
11.0 a.m.—Orchestra. 12.0 noon
—Announcements.
12.15 p.m.—Orchestra, from Breslau.
10.—Announcements. 1.15—Guessing
Game. 2.45—Economics. 3.0—
Labour Camp Reports. 3.15—
Holzäpfel (Baritone), Fassbender Trio.
4.0—Books. 4.15—Operetta Records.
5.25—See Deutschlandsender. 5.45—Dance Music by the Station Orchestra. 6.45—Snapshots. 7.0—
Announcements.
7.10-9.0—Programme for St. Hubert's
Day. 7.10—Woodland Songs and Hunting Songs by Boys and Girls.
7.40—A Visit to a Forester's House.
8.10—Hunting Music. Station Chamber Choir and Orchestra. Conductor: Kühn. Schneider (Bass-Baritone). Movements, "La Chasse" (Haydn). Hunting Chorus, "The Seasons" (Kreutzer). Hunting Chorus, "Haydn), Song with Chorus, "Hans Heiling" (Marschner). Overture, "Das Nachtlager in Granada" (Kreutzer). Hunting Chorus, "Der Freischeitz" (Weber).
Halali (Koch). Hunting Overture (Künneke).
9.0—News. 9.20—Chess. 9.30—English Talk. 9.50-10.5—French Talk.

9.0—News. 9.20—Chess. 9.30— English Talk. 9.50-10.5—French Talk.

DEUTSCHLANDSENDER

(Germany)
191 ke/s (1.571 m.); 60 kW.
Transmits at intervals from 5.0 a.m.
11.0 a.m.—Orchestra. 12.45 p.m.—
News.

11.0 a.m.—Orchestra. 12.45 p.m.— News. 1.0—Variety. 2.0—Announcements. 2.15—Talk. 2.25—Talk: Dalecarlian Folk Art. 2.45—Cinema Organ Records. 3.0—Orchestra and Songs. Part I. Light Music. Part II. Hungarian Music; at 3.50-4.0; Goethe Anec-dotes.

Music; at 3.50-4.0; Goethe Anecdores.
5.0—English Folk Songs by Hilde Kretschmer (Soprano). 5.25—Political Press Review.
5.45—Talk for Women. 6.0—"The Circus"—Variety. In the intervals: "The Vegetarian Lion"—Humorous Scene (Krause); Topical. 6.45—Echoes. 6.55—Genealogy. 7.0—Motto; News. 7.10—"Tally-ho!"—Military Band. Der Jäger aus Kurpfalz (Rhode). Overture, "Der Wildschütz" (Lortzing). Fantasia on "Grün ist die Heide" (Blume). Excerpts, "Der Freischütz" (Weber). Quadrille, Waldmanns Jubel (Reckling). Hunting Fantasy (Prager).
8.0—See Stuttgart. 9.0—News.
9.30—Don Quixote Suite (Telemann), by the Ristenpart Chamber Orchestra. 9.45—Weather. 10.0-11.0—Records.

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

(251 m.).
Transmits at intervals from 5.0 a.m.
11.0 a.m.-1.0 p.n.—See Breslau.
1.0—News. 1.10—Records. 2.0—Talk: Economics. 2.15—Heima Kolbe (Soprano) and Knoll (Tenor).
3.0—Light Orchestral. 4.30—Talk; Sketch. Sketch

3.0—Light Orchestral. 4.50—Talk., Sketch.
5.0—See Munich.
6.0—"Ernst Moritz Arndt"—
Sequence. 6.36—Anti-Waste Campaign. 6.40—Topical. 6.55—An. nouncements. 7.0—News.
7.10—Mozart Concert. Part I. Station Orchestra and Solo Instruments. Conductor: Rosbaud. Alsen (Bass). March in C. Per questa bella mano, for Bass with Double Bass and Orchestral Obbligato. Divertimento in E flat. Part II. "Zaide"—Opera. Station Choir and Orchestra. Conductor: Rosbaud. 9.0—News.
9.30—See Hamburg.
11.0 p.m.-1.0 a.m. (Wednesday)—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.).
Transmits at intervals from 5.15 a.m
11.0 a.m.—Announcements. 11.10—
For Housewives.

11.0 a.m.—Announcements. 11.10—For Housewives.
11.20—Orchestra, from Breslau. 1.0 p.m.—News. 1.20—Light Music. 2.0—Exchange; Shipping. 2.30—Band Records. 3.0—Orchestra. 4.0—Books. 4.15—Variety. 5.0—See Munich. 5.45—Shipping; Weather. 6.0—St. Hubert Festival at Bockenem. 6.45—Topical. 7.0—News 7.10—"Bacchus and Hubert"—Wine, the Chase and . . Love—Autumn Sequence (Harbeck). Music arranged by Girnatis. Station Mixed Choir and Dance Band. Conductor: Gregor. Hamburg Harbour Concert Orchestra and Singers. In the interval: "Der vergrämte Bock"—Sketch (Kunze), 9.0—News.

9.30-11.0—Light Music and Folk Music, Station Orchestra. Con-ductor: Secker. Lanner Quartet, Renate Adolphi (Harp) and Valerian Schumakoff (Balalaika).

HILVERSUM (1,875 m.)

HILVERSUM (1,875 m.)

(Holland)

160 kc/s; 10 kW until 2.40 p.m.;

100 kW from 2.40 p.m.

K.R.O. Programme.

7.40-8.55 a.m.—Records. 9.40—
Records. 11.10—Religious Address.

11.40—Police Messages. 11.45—
K.R.O. Orchestra. Conductor:
van 't Woud. Records in the intervals.

1.0 p.m.—K.R.O. Melodists. Conductor:
Lustenhouwer. Klein (Refrains).

1.40—Dressmaking Lesson. 3.45—
Records; Recitations; Records.

4.40—K.R.O. Chamber Orchestra.
Conductor: Reinards; at 5.25;
Greetings. 6.20—Esperanto Lesson

6.40—Police Messages; Talks; News;
Records.

Records.

8.10—Variety, 9.40—K.R.O. Melodists and Klein (Refrains). 10.10—News: Records. 10.25—K.R.O. Boys and Klein (Refrains). 10.55-11.40—Re-cords.

HILVERSUM (301.5 m.)

HILVERSUM (301.5 m.)

(Holland)

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

60 kW from 2.40 p.m.

A.V.R.O. Programme.

7.40 a.m.—Records. 9.40—Service.

9.55—Records. 10.10—Kroon Orchestra. 10.40—For Women. 11.10—

Records. 1.10—Palla (Organ). 1.30—

Records. 1.40—A.V.R.O. Orchestra.

Conductor: Treep. 2.45—Dressmaking. 3.40—Sandor Orchestra.

4.10—Children's Choir.

5.10—Kovaes Lajos Orchestra; Palla
(Organ). 6.10—R.V.U. Talk. 6.40—

For Children.

(Organ). 6.10 For Children.

For Children.
6.45—A.V.R.O. Dance Band. 7.10—
English Lesson. 7.40—News.
7.50—Variety Concert. A.V.R.O.
Orchestra and Dance Band, Palla
(Organ), Grethe Weinjnschenk-Hogenbirk (Soprano), Baylé (Baritone).
10.0—Bridge, 10.40—News.
10.50-11.40—Records.

KALUNDBORG (Denmark)

KALUNDBORG (Denmark)
240 kc/s (1,250 m.); 60 kW.
Rclays 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
Eisemble. 1.45—Radio Orchestra.
Conductor: Wendelboe-Jensen. Hansen (Phc.). 3.20—Reading. 3,50—
Announcements. 3.56—Poem. 4.0—
Recitation. 4.25—Weather. 4.40—
Exchange; Markets. 4.50—Records.
5.0—Chimes.

Exchange; Markets. 4.50—Records. 5.0—Chimes. 5.1—Excerpts, "Follow the Fleet" (Berlin), from the Metropole. 5.15—Weather. 5.35—German Lesson. 6.0 News. 6.30—Talk: Crime and the Community—Rights and Privileges. 7.0—Chimes. 7.1—Records: "Die Fledermaus" (Strauss). 7.10—Reading (Jensen). 7.30—See Oslo. 8.30—Legal Talk. 9.0—News. 9.15—Radio Orchestra. Conductor: Gröndahl. Overture, "King Stephen" (Beethoven). Loreley Rheinklänge (Strauss). Ballet, "Rosamunde" (Schubert). Scherzo, "A Midsummer Night's Dream" (Mendelssohn). Overture, "Tsar and Carpenter" (Lortzing). 10.0-11.30—Donde Dance Band; at 11.0—Chimes.

KÖNIGSBERG (No. 1) Heils-

KÖNIGSBERG (No. 1) Heilsberg) (Germany)
1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.).
Transmits at Intervals from 5.0 a m. 11.0 a.m.—See Breslau. 1.0 p.m.—News, 1.10—For Women. 1.25—Upper Bavarian Folk Music (Records).
2.0—For Children. 2.25—Light Orchestral; at 3.30: Topical. 4.5—Songs by East Prussian Composers—Ruth Franz Schöbel (Soprano).
4.25—Talk: Gerrit Engelke. 4.40—Talk: Christmas.
5.0—See Munich.
6.0—News. 6.10—Talk: The World's Menus. 6.45—Report: Avlation for Boys. 7.0—News.
7.10-11.0—Concert for the Winter Relief Fund. Station Orchestras. Conductors: Meyer, Kaestner, Wöllner, and Wilcken. Börschel Band. Sengeleitner (Tenor); at 9.0: News: at 9.20; Political Press Review.

LAHTI (Finland)

LAHII (Finland)
166 kc/s (1,807 m.); 150 kW.
Relayed by Helsinki, 895 kc/s
(335.2 m.).
Transmits at intervals from 6.5 a.m.
4.0 p.m.—Talk. 4.20—Violin Concerto
in D (Mozart) by Szigeti and the
London Philharmonic Orchestra. Con-

ductor: Beecham (Records). 5.0— News (Finnish, Swedish). 5.15—"Muru"—Play (Tavastjerna). 5.45—Eirto (Songs). 6.5—'Cello. 6.35—Talk. 7.0—News (Finnish, Swedish). 7.20—Talk on the following

Concert.
7.30-8.30—See Oslo.
Classical Music. 8.30-10.0-

Classical 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.—Military Band from Dessau. 12.0 noon—News. 12.15 p.m.—
Orchestra. 1.0—News; Exchange.
1.15 (from Dessau)—Mozart Music and Wilhelm Busch Readings. Wüstinger (Violin), Donath (Pfte.), Schmidt (Speaker). 2.0—For Women.
3.0—Talk: Dessau Humour. 3.20—Chamber Music of Dessau Composers. 4.0—Weather; Economics.
4.10—Herr Freyberg and Dr. Ihlenburg at the Microphone. 4.30—Music. 4.40—Talk. 5.0—Dessau Orchestra and Children's Choir. 6.0—In a Dessau Labour Service Camp. 6.45—Topical. 7.0—News.
7.10—Dessau Orchestra and Singers.
Conductor: Fuchs. 9.0—News.
9.20—"The Legend of St. Hubert"
(Steigerwald).
9.35—Organ Recital by Franz Acker-

9.20—"The Legend of St. Hubert" (Steigerwald).
9.35—Organ Recital by Franz Ackermann from St. John's Church, Dessau, Choral Fantasy on "Jesu, meine Freude" (Bartmus). Prelude, Intermezzo and Finale (Ackermann).
10.0-11.0—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.
8,30 p.m.—See Paris (PTT). 10.30—
News

LYONS (PTT) (France)
648 kc/s (463 m.); 100 kW.
Transmits at intervals from 6.50 a.m.
6.30 p.m.—News. 7.30—Surprise
Programme. 8.0—Talks.
8,30—See Paris (PTT). 10,30-11.0—
News

MONTE CENERI

MONTE CENERI

(Switzerland)

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

Transmits at intervals from 11.0 a.m.

7.0 p.m.—"Hallo Vienna, Lugano calling!"—Ticino Concert for Vienna. Station Orchestra. Conductor: Filipello. The Faliero Mandoline Rand. Tina Paggi (Soprano), and Nino Herschel (Harpsichord). Potpourri of Ticino Songs (Vicari). Orchestra and Choir: La Maggiolsta (Filipello). Interlude, An Unexpected Visit. Songs: (a) Waltz Song, "Mirella" (Gounod), (b) Bell Song, "Lakme" (Delibes). Gavotte-Caprice (Bortkiewicz). Song, Frühlingsstimmen (Strauss). Mandoline Band: (a) Corteggio dei mughetti (Maciocchi). (b) Waltz, Passione (Ranzato). Singers: Aveva gli occhi neri. Mandoline Band: Lullaby (De Michell). Singers: Bella ti vidi nascere. Mandoline Band: Portami tante rose (Bixio). Singers: Erano tre sorelle. Mandoline Band: 8.30—Talk: Cobblers who became famous. 8.45-9.15—Fortnightly Review.

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.—Military Band from Bayreuth. 12.0 noon—News. 12.15 p.m.—
Bayreuth Radio Sextet. 12.45—News;
Exchange.

Exchange. 1.0-2.0—See Deutschlandsender. 2.40 Dörfler reads. 3.0—For 1.0-2.0—See Deutschlandsender. 2.40
—Anton Dörfler reads. 3.0—For
Farmers. 3.10—For Women. 3.50—
Unfamiliar Schubert Music from Bayreuth. Wang and Reisch (Pftes.) and
Meta Meik-Körig (Soprano). 4.45—
Call of Youth. 4.50—For Farmers.
5.0—Light Orchestral. Conductor:
Mihalovic. Ilse von Tschurtschenthaler

Mihalovic, Ilse von Tschurtschentnater (Pfter).

6.0—Quartet in E flat (Reger) by the Strub Quartet. 6.45—Songs by Boys (Recorded). 7.0—News.

7.10—"Der arme Jonathan".—Operetta (Millöcker). Station Choir and Orchestra. Conductor: List.

9.0—News. 9.20—Anniversaries—November 9th, 1918, 1923, 1933.

9.30—To be announced.

10.0-11.0—Music from Hamburg.

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.). Fransmits at intervals from 10.40 a.m.

6.30 p.m.—Time; Henriette Heide (Jordan, Schubert, Lunde and Massenet Songs). 7.0—Talk.

net Songs). 7.0—Talk.
7.30—Concert for the Scandinavian Music Weeks—Norway. Oslo Philharmonic. Conductor: Kramm. Alme (Pftc.) and Maurstad (Hardanger Fiddle). Organ Chaconne in G minor, arr. for Symphony Orchestra (Eggen). Symphonic Poem for Pfte. and Orchestra, Hamlet (Borgstrøm). Suite, Fossegrimen (Halvörsen).
8.30—Talk. 8.40—News. 9.0—Topical. 9,15-9,45—Dance Music.

PARIS (Eiffel Tower) (France) 1,456 kc/s (206 m.); 5 kW. Transmits at intervals from 8.0 a.m. 7.0 p.m.—News, 7.10—Racing, 7.20—Foreign Affairs; Science Talk, 7.45—Press Review, 7.55—Home Affairs, 8.30—Programme with Pierre and Robert Constantin Brive.

PARIS (Poste Parisien) (France)

959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m. Transmits at intervals from 7.10 a.m.
12.0 noou—Exchange. 12.5 p.m.—
Records; at 12.35: Exchange. 1.35—
Radio Amateur Prize-winners at the
Microphone. 1.50-2.0—News. 2.0.
3.45, and 4.35—Exchange. 6.0—Call.
6.2—Religious Address. 6.17—Leonoora Overture (Beethoven). 6.30—Exchange. 6.35—Topical. 6.42—Records. 6.59—Topical. 7.6—News.
7.30—Light Music. 7.45—Paris Programme. 8.0—Paul Reboux (Records). 8.15—Light Music. 8.31—
"Sous le | Vent."—Three-Act Play
(André-Béart). 10.30-11.0—Cabaret.

(André-Beart). 10.30-11.0—Cabaret.

PARIS (PTT) (France)
695 kc's (431.7 m.); 120 kW.
Transmits at intervals from 6.50 a.m.
2.30 p.m.—"La volonté de l'homme"
—Three-Act Play (Tristan Bernard).
4.0—Gourevitch (Pfte.).
4.15—Reading (Mark Twain). 4.30—Singing Lesson.
5.0—Paris Symphony Orchestra. Conductor: Tomasi. Overture, "Fra Diavolo" (Auber). Overture, "La chasse du jeune Henri" (Méhul).
Petite Suite (Büsser).
5.30—Music Talk. 5.40—Art Notes.
5.50—Science Notes.
6.0—Paris Symphony Orchestra. Conductor: Tomasi. Denise Sternberg (Pfte.). Old Dance Suite (Mozart). Viennese Dances (Baethoven). Pfte.
(a) Retour des muletiers (Déodat de Séverac), (b) Pastourelle (Poulenc), (c) Carillons du Campanille (Dupin), (d) Printemps (Milhaud), (e) Deux visions fugitives (Prokofiev).
6.30—News; Topical. 7.30—Weather.
7.38—Paris Symphony Orchestra. Con-

Visions linguives (Prokolev).

(30—News; Topical. 7.30—Weather.

7.38—Paris Symphony Orchestra Conductor: Tomasi. Overture,

"Faust" (Gounod). Prelude to
Acts IV and V, "Don Quixote"

(Massenet). Danish March
(Thomas). 8.0—Talks.

8.30—"Boris Godunov"—Four-Act
Opera (Mussorgsky) from the Salle
Plevel. National Orchestra and
Raugel Choir. Conductor: Inghelbrecht. Cast: MM. Etcheverry,
Planel, Morturier, Faniard, Mme.
Turba-Rabier, Germaine Corney.

10.30—News; Topical.

PARIS (Radio-Paris) (France)
182 kc/s (1,648 m.); 80 kW.
6.45 a.m.—Gym.
7.15—Press Review.
7.45—Gym.
7.45—Gym. 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—Poulet Concert
12.0 noon—For Farmers.
12.15 p.m.—Orchestra (contd.), Laurence (Songs);
at 12.45: News.
2.0—Reading
(Walter Scott).
2.25—Legal Talk.
2.30—Dance Records.
3.30—Hans Andersen Tale.
3.45—Talk: Captain Cook and Bougainville.
4.0—Records.
5.0—English
Lesson.
5.20—Talk.
5.30—Paris Symphony Orchestra. Conductor: Tomasi. Denise Sternberg
(Pfte.). Feuilles d'images (Aubert).
Waltz, La plus que lente (Debussy).
Pfte.: (a) Intermezzo in E flat
(Brahms), (b) Caprice in B minor
(Brahms), (c) Preludes (Chopin),
(d) Etudes (Chopin).
6.0—Dramatic Excerpts.
6.30—Paris Symphony Orchestra.
Conductor: Tomasi.
Overture,
"Euryanthe" (Weber). Norwegian
Dances (Grieg). Divertissement for
Wind Instruments (Périlhou). Esquisses and Madrigal (Gaubert).
7.30—Talk: The History of Paris
Theatres.
7.45—Talk.
8.0—Paul
Reboux (Records).
8.5—Italian Book
Review.
8.20—Anecdotes.
8.30—News.
8.45—"Soirée de chansonniers"—

News. 8.45—"Soirée de chansonniers"— Alignez-vous, presented by Victor Vallier.

10.45—Dance Music by the Victor Pascal Orchestra. 11.15 p.m.-12.15 a.m. (Wednesday)— Light Music—Victor Pascal Orchestra.

PRAGUE (Czechoslovakia)

PRAGUE (Czechoslovakia)
638 kc/s (470.2 m.): 120 kW.
Transmits at intervals from 5.15 a.m.
4.30 p.m.—Wanderlieder (Mahler)
sung by Peterka. 5.0—Markets. 5.10
—German Transmission: Economics;
Variety. 5.45—News (German). 5.55
—Review (German). 6.0—News. 6.10
—Talk: Invisible Stars. 6.25—
Talk on the following Programme.
6.30—"The Kiss"—Opera (Smetana)
from the Opera. Conductor: Chalabala. 8.45—Reading. 9.0—Time;
News. 9.15—Execrpts from Current
Plays. 9.35—Records. 9.45-10.0—
English News.

(Juan-les-Pins) (France) 1,276 kc/s (235.1 m.); 27 kW. Transmits at intervals from 12.15 p.m. 6.15 p.m.—Dance Music. 6.30— Variety.

Variety.
7.0—Symphony in G minor—The Unfinished (Schubert). 7.25—Amusements; For Children. 7.30—Request. 7.40—Humorous Programme. 7.55—For Farmers. 8.0—News; Exchange. 8.20—Ballet egyptien (Luigini). 8.30—Ray Ventura. 9.5—Weather. 9.10—Variety. 10.0—News. 10.15—Dance Music



Gianna Pederzini, the "Conchita" in Zandonai's opera at Turin, 7.45 p.m.

RADIO-NORMANDIE

(France) 1,113 kc/s (269.5 m.); 15 kW.

7.0 a.m.—Military Band; at 7.10: News. 8.0—Records. 8.15—Light Music. 8.30—Records. 8.45—Popular Music. 9.0—Records. 9.15—Jack Savage and his Cowboys. 9.30—Light Music. 9.45—Records. 10.0—Light Music. 10.45—Records. 11.0—Chansonnettes. 12.0 noon—Sirjo (Songs). 12.20 p.m.—Records. 12.40—News. 1.0—Concert. 2.0—Records. 2.15—Light Music. 2.30—Records. 3.0—Light Music. 2.30—Records. 3.0—Light Music. 3.30—Records. 3.0—Concert. 4.45—For Children. 5.0—Records. 5.15—Orchestra. 5.30—London Music. 5.45—Records. 6.0—Children's Corner. 6.40—Talk; Racing. 7.0—Concert. 7.40—News. 8.0—Records. 8.20—Talk. 8.25—Records. 1,113 kc/s (269.5 m.); 15 kW

9.0—Music of Normandy Composers. 11.0—Dance Music. 11.30—From the Cabane Normande. 12.0 m't—Dance Music. 12.30-1.0 a.m. (Wednesday)—

RADIO-ROMANIA (Brasov)

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

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. Transmits at intervals from 0.43 a.m. 4.0 p.m.—News. 4.15—Sonatas (Scarlatti and Bossi). Astolfi (Violin) and Arnaldi (Pfte.). 4.55—Morse. 5.50—Announcements. 6.0—Record. 6.5—News and Talk (English). 6.20—News in Foreign Languages. 7.5—Time; News. 7.30—Talk. 7.40—"I tre fiori"—Three-Act Play (Pardini)

9.0—Choirs of the Roman Basilicas.
Conductor: Antonelli. Two Motets
(Palestrina). Ave Maria (Vittoria).
Credo from the Missa Papae Marcelli (Palestrina). Neve non tocca
(Perosi). Vezzosi augelli (Marenzio). Canzonettal (Geep). Ritorna
del gregge (Müller). 9.40—To be
announced. 10.0 (approx.)—News.

SOFIA (Bulgaria) 850 kc/s (352.9 m.); 1 kW. Transmits at intervals from 5.0 a.m. Transmits at intervals from 5.0 a.m. 5.0 p.m.—Athanassa Thodorova (Songs). 5.20—Light Music. 5.30—Violin and Pfte. Sonatas. 6.10—Opera Music. 6.55—Music Review. 6.35—Light Music. 6.55—Talk. 7.10—Athanassov Memorial Recital. Chintchev (Tenor) and Véra Michatlova-Lazarova (Pfte.). 7.45—News. 8.0-9.0—Light Music and Dance Music; at 8.30: Notes.

SOTTENS (Switzerland)
677 kc/s (443.1 m.); 100 kW.
Relayed by Geneva, 401 kc/s
(748 m.). 11.0 a.m.—See Beromünster. 11.30-

11.40 a.m.-12.45 p.m.—See Beromünster.

münster,
3.30—Radio Suisse romande Orchestra. Conductor: Haug. 4.0—Spehl (Horn). 4.30—Opera Music by the Radio Suisse romande Orchestra. Conductor: Haug. 5.0—Records. 5.30—Reading. 5.50—Records. 6.0—For Invalids. 6.15—Talk: Dentistry. 6.35—Interlude. 6.50—News. 7.0—Rocks.

Books.
7.20—Radio Suisse romande Orchestra. Conductor: Appia. Overture.
"Il Guarany" (Gomez). Aria
(Sammartini). La Nursery (Inghel-brecht). Ballet, "La Source"
(Delibes). Selection, "White Horse brecht). Ballet, "L (Delibes). Selection, "\ Inn" (Stolz-Benatzky).

8.15-9.15—Soirée de Chansons, with Edith Burger and René Bersin and Company.

STOCKHOLM (Sweden)

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.n.
4.30 p.m.—Folk Music by Zetterström (dew's Harp). 4.45—Records. 5.45—French Lesson. 6.15—News. 6.30—Cabaret by Birgit Kronström and Ericson. 7.0—Report.
7.30—See Oslo.
8 30—Poems (Nyström). 8 45—News.

7.30—See Oslo.

8.30—Poems (Nyström). 8.45—News.
9.0-10.0—Radio Orchestra. Overture.
"Die Matrosen" (Flotow). Chant
sans paroles (Tchaikovsky). Vive la
danse (Waldteufel). Melody (Ketelbey). Selection, "The Land of
Smiles" (Lehar). In the Tea Gardens of Ceylon (Yoshitomo). Quadrille (arr. Kermbach-Ralph). Nights
in Morocco (Schleich-Fillipini).

STRASBOURG (France) 859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.45 a.m. m.—See Paris (PTT). 11.0—News (German). 10.30-

STUTTGART (Germany)

574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Sec Breslau. 12.0 noon—News. 12.15 p.m.—Records. 1.0-2.0-See Deutschlandsender. 2.15

Talk. 0—See Deutschlandsender. 4,45— schnical Talk. Technical Talk. 5.0—See Munich. 6.0—Records. 6.45-For Girls.

.0-News. .10-See Deutschlandsender.

7.10—See Deutschlandsender.

8.0—Station Orchestra. Conductor; Schröder. Overture, "Indra" (Flotow). Excerpts, "Tiefland" (d'Albert). Overture, "Pique Danie" (Suppé). Dynamiden-Waltzer (Strauss). Hungarian Rhapsody (Liszt).

9.0—News. 9.20—Political Press

9.0—News. 9.20—Political Press Review. 9.40—Music from Hamburg. Review. 9.40—Music from Hamburg.
11.0 p.m.-1.0 a.m. (Wednesday)—
Serenade—Records, Organ Prelude
and Fugue (Bach). Two Songs
(Bach). Pfte. Variations in E
(Handel). Pfte. Suite in F sharp
minor (Handel). Ach, ich habe sie
verloren (Gluck). Overture, "Armide" (Gluck). Quintet (Hoffmann). Excerpts, "Harlekin"
(Hoffmann). Double Quartet
(Spohr). mann). E (Hoffmann). (Spohr).

TOULOUSE (Radio-Toulouse)

(France)
913 kc/s (328.6 m.); 60 kW.
Transmits at intervals from 8.0 a.m.
8.10 p.m.—Excerpts, 'Les cloches
de Corneville" (Planquette). 8.25—

TUESDAY (November 3)

Orchestra. 8.40—Light Music. 8.55

News. 9.10—Light Music. 9.25—Excerpts, "The Merry Widow" (Lehár), "Dédé" (Christiné).

Paris Programme. 10.15-Excerpts, "Tosca" (Puccini). 10.4-—Chansonnettes. 10.55—News. 11 -Chansonnettes, 10.55—News, 11.6
-Argentine Orchestra, 11.15—Film

Music. 11.40—Operetta Airs.

11.55—News. 12.5 a.m. (Wednesday)

—Light Music. 12.20—Marches12.30—Announcements.

TURIN (No. 1) (Italy)
1.140 kc/s (263.2 m.); 7 kW.
Relayed by Milan (No. 1), 814 kc/s
(368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,140 kc/s (263.2 m.); Florence, 610 kc/s (491.8 m.); Bolzano, 536 kc/s (559.7 m.); and Rome (No. 3), 1,258 kc/s (238.5 m.).
Transmits at intervals from 6.45 a.m. 4.0 p.m.—News. 4.15—Dance Music. 4.55-5.5—For Women. 5.50—An-nouncements. 6.0—News in Foreign Languages. 7.5—Time; News. 7.30 —Talk. 7.40—Talk on the following

Talk, 7.40—Talk on the following opera.

7.45—"Conchita" — Four-Act Opera (Zandonai). Conductor: The Composer. Chorus Master: Consoli. Gianna Pederzini as Conchita. In the intervals: Talks; News. 10.30-11.0—Dance Music.

VIENNA (Austria)

VIE.NNA (Austria)
592 kc/s (506.8 m.); 100 kW. Relayed by Graz and Linz, 886 kc/s (338.6 m.); Innsbruck, 519 kc/s (578 m.); Klagenfurt and Vorarlege, 1,294 kc/s (231.8 m.); and Salzburg, 1,348 kc/s (222.6 m.).
Transmits at intervals from 6.0 a.m.

7.0 p.m.—See Monte Ceneri. 8,35— Reading. 9.0—Variety. 9,10—News. 9,20—Dresden String Quartet. Quartet in A minor (Graener). Quartet in D (Haydn). 10,20—Announcements.

(Haydn). 10.20—Announcements.
10.30-12.0 m't—Light Orchestral. Conductor; Ganglberger. March (Achleitner). Overture, "Der Schätzmeister" (Ziehrer). Waltz, Blauer Flieder (Ganglberger). Potpourri (Hruby). Overture, "La Traviata" (Verdi). Idyll (Sieczynski). Frühlingsstimmen (Strauss). Potpourri, Servus Wien (Dostal). Die Kleine Kompagnie (Ganglberger). March (Hunyaczek).

WARSAW (Poland)

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.); Lódz, 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.

11.3 a.m.—Opera Records. 11.40—Farmers' Letterbox. 11.50-12.0 noon—News. 2.0—Economics. 2.15—Station Orchestra. Conductor: News. 2.0—Economics. 2.15—Station Orchestra. Conductor: Górzyński. 3.0—Warsaw Review. 3.15—Letterbox. 3.30 (from Lwów)—Light Music. Seredyński Orchestra.

4.0—Story.

4.15—Marie Dzikowa (Songs), Turel (Pfie.). Three Songs (Wolf). Pfie.
(a) Sarabande (Rameau-Godowsky).
(b) Liebesleid (Rachmaninov-Kreisler). Songs (Brahms, Schumann). Pfie.: (a) Sonatina (Turel), (b) Polish Rhapsody (Turel).

4.50—Monologue. 5.0—Topical. 5.10 (from Torun)—Sports. 5.20—Announcements. 5.50—Topical. 6.0—Discussion.

6.20 (from Poznań)—"Hunting"

S.10 (from Torun)—Sports. 3.20—Announcements. 5.50—Topical. 6.0—Discussion.
6.20 (from Poznań)—"Hunting"—Musical Sequence (Roy). Village Band, Male Voice Choir and Others. 7.0 (from Poznań)—Report: Polish Choirs at the International Congress of Church Music at Frankfurt-am-Main. 7.10—Chamber Orchestra from the Conservatoire. Conductor: Micraejewski. Jarzebski (Violin) and Snieckowski (Oboe). Sixteenth Century English Suite (arr. Rabaud). Oboe Concerto (Telemann). Violin Concerto in C (Haydn). Suite montagnarde (Ekier); at 7.45: News and Topical. 8.40—Poznań-Warsaw Exchange Programme. Part I from Poznań: Gogojewska (Mezzo-Soprano). Gizejewski (Violin) and Male Voice Choir. Address. Two Pieces (Walalek-Walewski), for Mezzo-Soprano, Violin and Male Voice Choir. Part II, from Warsaw: Military Band. March (Osada). Fantasia on Mountain Airs (Czapski). Song and March (Osada). 3.30—Literary Programme. 9.45—Dance Music by the Station Orchestra. Conductor: Górzyński.

WEDNESDAY Nov. 4

4 p.m.

BERLIN, Records. 4.30—Report.
BEROM UNSTER, MONTE
CENERI and SOTTENS. French
Chamber Music. 4.10-Scheherazade
(Rimsky-Korsakov). BRESLAU,
Light Orchestral. BUDAPEST (1),
Talk

FRANKFURT, Pfte., Orchestra. 4.30
—"The German Family" (Bier-

—"The German Family (Diet-mer).

HILVERSUM (1,875 m.), Organ.
4,40—For Children.

KALUNDBORG, 4.50—Pfte. Duets.
KÖNIGSBERG, 4.5—Sequence with
Songs. 4.35—For Workers. 4.50—
String Quartet in A (Schumann).

PARIS (PTT), Talks. 4.20—Songs.
4.30—Hawaiian Band. 4.45—
Records.

RADIO-NORMANDIE, Concert. 4.45
—For Children. RADIO-PARIS,
Records. ROME, News. 4.15—
Light Music.

--For Children, RADIO-PARIS, Records, ROME, News. 4.15--Light Music. TURIN, News. 4.15--Soprano, Violin. 4.55--Talk.

5 p.m.

ATHLONE, 5.30—Children's Hour.
BEROMÜNSTER, For Children, 5.30.
—Talk. BRESLAU, Light Orchestral, 5.50—Report. BRUSSELS (1),
For Women, 5.5—Radio Orchestra.
BRUSSELS (2), For Children.
BUCHAREST and RADIO-ROMANIA, Notes, 5.15—Old French.
Music. Orchestra, Songs, Instrumental.
BUDAPEST (1), Talks.
5.45—'Cello.
COLOGNE, Pite, Quintet, in D. fine.

COLOGNE, Pite. Quintet in D flat. (Wolf-Ferrari). 5.50—" Obadiah". —a Sailor's Yarn (Luserke).

DEUTSCHLANDSENDER, For Boys

5.25—Records. 5.40—Talk.
FRANKFURT and SOME GERMAN
STATIONS, Concert. Opera and
Operetta Music.

Operetta Music.

HAMBURG, Theil Concert, Orchestra. Conductor: The Composer, Kobin (Violin). 5.45—Shipping.

HILVERSUM (1.875 m.), For Childen. 5.40—Talk; Report. HILVERSUM (301.5 m.). 5.10—V.A.R.A. Orchestra; Records.

KALUNDBORG, Pites. (contd.). 5.20—For Women. 5.35—French.

ALUNDBORG, Pites. (contd.). 5.20
—For Women. 5.35—French.
KÖNIGSBERG, Quartet (contd.).
5.20—News. 5.30—Cabaret.
MUNICH, Chamber Music.
PARIS (PTT), Pasdeloup Concert
Orchestra. 5.30—Talks, Records.

Orchestra. 5.30—Talks, Records.
RADIO-NORMANDIE, Light Music-RADIO-PARIS, Science. 5.15—Books. 5.30—Pascieloup Concert Orchestra. Worms ('Cello).
SOTTENS, For Young People. 5.45—Talk: Beethoven's Third Symphony. STRASBOURG, 5.30—Radio Orchestra.
VIENNA, 5.10—Talks. 5.55—"The Flying Dutchman"—Opera (Wagner).

6 p.m.

ATHLONE, Children's Hour. 6.15— Selection, "Tannhäuser"—Opera (Wagner). 6.35—Irish News. 6.45— News.

(Wagner). 6.35—Irish News. 6.45—News.
BERLIN, "A Walk in the Zoo"—Songs and Verse (Mühlen); Music by Dressel. 6.45—Topical. BERO-MÜNSTER, Notes; Markets. 6.15—Fröhlin (Songs to the Lute). 6.30—News. 6.40—American Topics.
BRESLAU, Variety. 6.45—Topical.
BRNO and PRAGUE, 6.20—Orchestra, Jazz Band, Moravian Vocal Quartet, Artists. BRUSSELS (1), Talk. 6.15—Light Orchestral with Legrand and Maury. BRUSSELS (2), Flor Peeters Music, Ria Lenssens (Songs), the Composer (Organ). 6.35—Sibelius Records. 6.45—Books. BUCHAREST and RADIO-ROMANIA, Old French Music (contd.). BUDAPEST (1), 'Cello (contd.). BUDAPEST (1), 'Cello (contd.). 6.20—"Peer Gynt"—Drama (Ibsen).

COLOGNE, Chamber Music. 6.45-

COLOGNE, Chamber Music. 6.45—Snapshots.

DEUTSCHLANDSENDER, Dance Band, Sound News. 6.45—Topical. FRANKFURT, Concert (contd.). 6.45
—Topical. 6.55—Notes.

HAMBURG, "Gold from the Equator"—Play (Tittel); Music by Girnatis. 6.45—For Farmers.

HILVERSUM (1,875 m.), Report. 6.40—Notes; Talk. HILVERSUM (301.5 m.), Orchestra (contd.). 6.40—Sports. 6.55—Choir; Records. KALUNDBORG, News. 6.30—For Farmers. KÖNIGSBERG, Cabaret. 6.45—Topical.

LEIPZIG, Talk. 6.20—Pfte. Concerto in A (Schäfer). Rosl Schmidt. Leipzig Symphony Orchestra. 6.50—Topical.

MONTE CENERI, Records. 6.15— For Farmers. 6.30—Records. 6.45— News. MUNICII, Orchestra, Henny Wolff (Soprano).

OSLO, 6.55—Orchestra. Ravel, etc.)

Navel, etc.)

PARIS (PTT), Pasdeloup Concert Orchestra, Worms ('Cello). 6.30—News. POSTE PARISIEN, 6.2—Jewish Talk. 6.17—Records, Exchange; at 6.42—Talk.

RADIO-NORMANDIE, Children's Corner. 6.40—Talk; Racing, RADIO-PARIS, For Children. 6.30—Lecture-Recital: German Influence on French Opera, with Mozart, Beethoven and Weber Music. ROME, Records: News, Talk (German). 6.20—News in Foreign Languages.

HAMBURG, News. 7.15—Youth Programme. 7.45—See Cologne. HILVERSUM (1,875 m.), Talk; Report. 7.40—News. 7.50—Harvest Thanksgiving Service. HILVERSUM (301.5 m.), Choir (contd.). 7.20—Talk; Notes. 7.55—Records.

—Records.

KALUNDBORG, Chimes; Old Music
—Radio Orchestra. (Purcell, Lully).
7.25 — Records. 7.35 — 'The
Orphanage "—Play (Haekkerup—
Bergstedt). KÖNIGSBERG, News.
7.15—See Hamburg. 7.45 — 'To
St. Hubert'—Hunting Songs, Tales
and Humour.

LEIPZIG. News. 7.45

LEIPZIG, News. 7.15—Sec Ham-burg. 7.45—For Workers.

burg. 7.45—For Workers.

MONTE CENERI, 7.0—Close,
"Ticino, Land of Artists." Talk.
7.5—Rosetta Pamoanini (Songs).
7.25—Talk. 7.35—Music and
Poems. MUNICH, News. 7.15—
See Hamburg. 7.45—"Autumn in
the Algäu"—Humour, Song and
Dance.
OSLO, Orchestra (contd.); at 7.30,

PARIS (PTT), News Review. 7.38—Pasdeloup Concert Orchestra.
POSTE PARISIEN, 7.6—News.
7.37—Records.

Programme (contd.).

Records.
EIFFEL TOWER, Home Affairs. 8.30

(contd.).
LEIPZIG, Symphony Orchestra,
Ensemble, Choir. Conductor:
Blumer (Pfte.) and Others. LILLE,
8.30—Roubaix Conservatoire Symphony Orchestra. Marcelle Stach

News.
PARIS (PTT), Talk. 8.15—Foreign
Affairs. 8.23—Notes. 8.30—
Hubeau (Pfte.). 8.45—Folk Songs
by the "Do-Sol" Vocal Quintet.
POSTE PARISIEN, 8.2—Paul Reboux. 8.17—Orchestra. 8.32—
Sketch. PRAGUE, See Brno. 8.15—

Orchestra, Songs.
RADIO - NORMANDIE, Records.
8.20—Taik. 8.30—Ventura's Col-

RECORDS.

FRANKFURT, Variety.

HILVERSUM (1,875 m.), Service (contd.). HILVERSUM (301.5 m.), Records. 8.25—Play.

KALUNDBORG, Play (contd.). 8.35

Record. 8.40—Discussion.

KÖNIGSBERG, "To St. Hubert"

phony Orchestra. Marcene Staeir (Songs).

MONTE CENERI, Music and Poems (contd.). 8.15—Report. MUNICH, "Autumn in the Algau" (contd.).

OSLO, Orchestra (contd.). 8.40—

PRINCIPAL EVENTS

SYMPHONY CONCERTS Hamburg: Fritz Theil programme. Sottens: Conductor, Vittorio Gui.

Stuttgart: Schubert.
Brussels 1, 2 (9.15):
Symphony (Franck). Belgian music.

Stockholm: Ansermet, Jacques Thibaud.
National: Mengelberg, Myra Hess (pfte.),
Paul Beard (violin).
Stresbourg: Waher Chapin Birechus Weber, Chopin, Rimsky-Strasbourg:

Korsakov. LIGHT CONCERTS

12.15 Radio-Paris: Orchestral, vocal.
1.50 Kalundborg: Preil's Ensemble.
3.0 Deutschlandsender: Popular music.
5.0 Frankfurt, etc.: Opera and operetta prog.
6.55 Oslo: Popular orchestral.
6.20 1.50

7 45

8.30

9.20

9 30

Cologne, etc.: Serenade and dances.
Frankfurt, Stuttgart: From new operettas.
Vienna: Schrammel music.

11.15 Radio-Paris: Robert Orchestra.

OPERA Vienna : "The Flying Dutchman"

(from the Opera). OPERETTA

8.0 Radio-Paris: "Le fiancé de Margot" (Planquette).

CHAMBER MUSIC

Warsaw: Oboe, bassoon, pfte.
Cologne: Quintet (Wolf-Ferrari).
Sottens: Quintet (Lauber).
Paris (PTT): Quartet, clarinet, song, pfte.
Deutschlandsender: Mozart.

RECITALS
8.0 Regional: Schubert songs.

8.0

Warsaw: Chopin.
Beromünster: Ivan Engel (pfte.).
Vienna, Eiffel Tower: New Wolf songs.
Hilversum (I,875 m.): Soprano, organ.

Budapest 1: "Peer Gynt" (Ibsen). Radio-Paris: "Kean" (Dumas Père).

8.45

Oslo: Popular orchestral.

Athlone: Popular orchestral.

Athlone: Popular orchestral.

Munich: Autumn in the Bavarian Alps.
Leipzig: Light symphonic music.
Italian Stations: Patriotic programme.

Warsaw: Orchestra, song, violin.

Budapest 1: "Peer Gynt"

8.45 Radio-Paris: "Kean" (Dur DANCE MUSIC

Breslau, Deutschlandsender

Stockholm; 9.30, Hambur 9.45, Oslo; 9.55, Kalundb Deutschlandsender, Warsaw

Cologne etc. Serenade and dances LAST NEWS BULLETINS, See Monday
DANCE MUSIC
6.0 Breslau, Deutschlandsender; 9.0,
Stockholm; 9.30, Hamburg, Leipzig;
9.45, Oslo; 9.55, Kalundborg; 10.0,
Deutschlandsender, Warsaw; 10.10;
Brussels I and 2, Hilversum (1,875 m.),
10.15, Rome; 10.25, Regional; 10.45,
Radio-Paris; 11.0, Radio-Normandie;
11.15, National.

SOTTENS, Art. 6.15—Radio Magazine. 6.50—News. STOCKHOLM, Records. 6.15—News. 6.30—Talk. 6.55—Bellman Choir. STRAS-BOURG, Radio Orchestra. 6.30—News; Topical. STUTTGART, See Frankfurt. 6.45—Books. TOULOUSE. Light Music. 6.50—News. TURIN, News in Foreign Languages.

News. TURIN, News in Foreign Languages. VIENNA, "The Flying Dutchman" (contd.). WARSAW, Poetry. 6.15—Records.

7- p.m.

7-p.m.

ATHLONE, Here are our Treasures.
7.15—Station Orchestra. Louise Hutton and May Robarts (Song Duets).

BERLIN, News. 7.15—See Hamburg.
7.45—Orchestra. Pfte. BERO-MÜNSTER, Radio Orchestra. 7.30—Sailor Accordion Music. 7.40—Sailors' Yams. BRESLAU, News.
7.15—See Hamburg. 7.45—Patriotic Sequence with Songs of Pour Centuries (Polloczek-Fische) BRNO and PRAGUE. Orchestra. (cond.). BRUSSELS (1). Address: Notes. 7.30—News. BRUSSELS (2). Records. 7.30—For Exservice Men. BUCHAREST and RADIO-ROMANIA, Educational. 7.20—Violin. 7.55—Topical (French). BUDAPEST (1) "Peer Gynt." (contd.).

OLOGNE, News. 7.15—See Hamburg. 7.45—Wagner Excerts from the 1936 Bayreuth Festival. Conductor: Tietjen (Recorded). DEUTSCHLANDSENDER. News. 7.15—Caccilia Hansen (Violin) and Stech (Pfte.). 7.45—Youth Programme (Recorded).

EIFFEL TOWER, News. 7.20—Foreign Affairs.
FRANKFURT, News. 7.15—See Hamburg. 7.45—Uriety.

RADIO - NORMANDIE. Concert.
7.40—News.
Lecture-Recital (contd.). 7.30—
Talk. 7.45—Poems (Romane).
ROME and TURIN, 7.5—News.
7.30—Talk. 7.40—Report.
SOTTENS, Quintet (Lauber), with the Composer. 7.20—Talk. 7.35—Suisse romande Orchestra. Guest Conductor: Gui. STOCKHOLM, Choir (contd.). 7.15—A Motor Tour of North Sweden. STRAS-BOURG, Topical. 7.15—Records.
7.30—News (French, German).
STUTTGART, News. 7.15—See Hamburg. 7.45—Sechubert Cycle 1816-1819. Orchestra, Solo Voices, Instrumental.
TOULOUSE, Light Music. 7.55—

TOULOUSE, Light Music. 7.55-

News.
VIENNA, News; "The Flying Dutchman" (contd.).
WARSAW, Records. 7.35—Talk.
7.45—News.

8 p.m.

ATHLONE, Orchestra, Duets (contd.). 8.15—Talk. 8.30—T. Browne and H. Leeming (Flute Ducts). 8.45—Debate.

Browne and H. Leeming (rite Ducts). 8.45—Debate.

BERLIN, Orchestra, Pfte. (contd.).

BEROMÚNSTER, Yarns (contd.).

8.10—Accordion. 8.15—Ivan Engel (Pfte.) and Radio Orchestra.

BRES-LAU, Sequence (contd.).

BRNO

—Taik. 8.15—Orchestra and Songs. BRUSSELS (1), Symphony Orchestra.

BRUSSELS (1), Symphony Orchestra.

BRUSSELS (2), Radio Orchestra.

8.45—Gérard Walschap reads. BUCHAREST and RADIO - ROMANIA, Topical (French).

8.10—Songs. 8.30—News. 8.45—Salon Orchestra.

BUDAPEST (1), "Peer Gynt" (contd.).

COLOGNE and HAMBURG, Wagner Excerpts (contd.).
DEUTSCHLANDSENDER, Youth

legians. RADIO-PARIS, "Le Fiancé de Margot" —Operetta (Planquette). 8.30—News. 8.45—
"Kean "—Play (Dumas, arr. Colin). ROME and TURIN, "Beffare"—Play (Cerio). 8.30—Concert of Patriotic Music.
SOTTENS, Concert (contd.). STOCK-HOLM, Stockholm Concert Orchestra. Conductor: Ansermet. Thibaud (Violin). (Saint-Saëns, Ravel). 8.45—News. STRAS-BOURG, News (German). 8.30—Strasbourg Municipal Orchestra. Wetzel (Pftc.). (Weber, Chopin, Rimsky-Korsakov). STUTTGART, Schubert Cycle (contd.).
TOULOUSE, News. 8.10—Light Music. 8.55—News. VIENNA, "The Flying Dutchman" (contd.).
WARSAW, Chopin Recital by Imre Ungar (Pftc.). 8.30—Songs, Guitar.

9 p.m.

9 p.m.

ATHLONE, Variety.

BEROMUNSTER, For Swiss Nationals Abroad. 9,30—News. 9,40—Notes. BRESLAU, News. 9.30—Band. BRNO, News. 9.15—Esperanto Programme. 9,45—See Prague. BRUSSELS (1), Ballad (Grieg) by Godowsky (Pfte.). (Records). 9,15—Radio Orchestra. BRUSSELS (2), César Franck Organ Records. 9,15—Symphony in D minor (Franck). Symphony Orchestra. Conductor: André. BUCHAREST and RADIO-RO-MANIA, Orchestra (contd.). 9,45—News (French, German, Romanian). BUDAPEST (1), News. 9.20—Salon Orchestra.

COLOGNE, BERLIN and FRANK-FURT, News. 9,30—Light Music and Dance Music.

DEUTSCHLANDSENDER. News.

9.30-Divertimento (Mozart). 9.45

EIFFEL TOWER, Records. 9.25— See Vienna.

See Vienna.

HAMBURG, News. 9.30—Dance Band. HILVERSUM (1,875 m.), Service (contd.). 9.25—Records, 9.40—News; Chess. HILVERSUM (301.5 m.), Play. 9.10—The Bohemians. 9.40—News. 9.45—Mille. de Lorme (Soprano), Jong (Organ).

(Organ).

KALUNDBORG, Discussion. 9.10

—News. 9.25—Operetta Music.
Radio Orchestra. 9.55—Dance
Band. KÖNIGSBERG, News.
9.20—Talk. 9.40—Music from

Band. KÖNIGSBERG, News. 9.20—Talk. 9.40—Music from Cologne.

LEIPZIG, News. 9.20—Books. 9.30—Dance Band. LILLE, Orchestra, Songs (contd.).

MONTE CENERI, Report. MUNICH, News. 9.20—Talk. 9.45—Dance Band.

OSLO, Talk. 9.15—Reading. 9.45—Dance Records.

PARIS (PTT), Folk Songs (contd.). 9.15—Loewenguth Quartet, Songs, Clarinet, Pfte. POSTE PARISIEN, 9.2—Sketches; at 9.5—Talk. PRAGUE, News. 9.15—See Brno. 9.45—French News.

RADIO-NORMANDIE, Concert. (RADIO-PARIS, Play (contd.). ROME and TURIN, Concert (contd.).

(contd.)
SOTTENS, Concert (contd.). STOCK-HOLM, Dance Band. STRAS-BOURG, Orchestra, Pfte. (contd.). STUTTGART, News. 9.30—Bella Songs. 9.45—Records.
TOULOUSE, News. 9.10—Fantasy. 9.45—Paris Programme.
VIENNA, "The Flying Dutchman" (contd.). 9.15—News. 9.25—New Wolf'Songs by Patzak (Tenor).
WARSAW, Orchestra Songs, Violing.

WARSAW, Orchestra, Songs, Violin.

10 p.m.

ATHLONE, Variety. 10.30—News, Light Music.

BRESLAU, Band. BRUSSELS (1), News. 10.10—Dance Band. BRUSSELS (2), News. 10.10—Dance Records. BUDAPEST (1), Records.

COLOGNE and MOST GERMAN STATIONS, Light Music and Dance Music.

DEUTSCHLANDSENDER,
Music and Light Music.
EIFFEL TOWER, see Vienna.

HAMBURG, Dance Band. HIL-VERSUM (1,875 m.), Records. HILVERSUM (301.5 m.), Soprano, Organ (contd.). 10.10—Dance Band. 10.40—Talk.

KALUNDBORG, Dance Band.
LEIPZIG, Dance Band. LILLE,
Orchestra, Songs (contd.). 10.30—

Orchestra, Songs (contd.). 10.30—News.
MUNICH, Dance Band, etc.
OSLO, Dance Records.
PARIS (PTT), Quartet (contd.).
10.30—News. POSTE PARISIEN,
Orchestra, 10.30—Records.
RADIO-PARIS, Play (contd.). 10.45—Dance Music. ROME and TURIN,
News. 10.15—Dance Music.
STRASBOURG, Orchestra, Pfle.
(contd.). 10.30—News. STUTTGART, Records.
TOULOUSE, Paris Programme. 10.15—Light Music. 10.55—News.
VIENNA, 10.5—Notes. 10.15—Records; Light Music and Dance Music.
WARSAW Dance Records

Music. WARSAW, Dance Records.

11 p.m.

BUDAPEST (1), 11.5—News FRANKFURT and STUTTGART, German Operetta Music. Deutsch-landsender Station Choir, Orchestra and Singers (Recorded).

HILVERSUM (1,875 m.), Bible Reading. HILVERSUM (301.5 m.), Talk. 11.10—Records. Reading. HILVERSUM (301.5 m.), Talk. 11.10—Records. KALUNDBORG, Chimes, Dance

Band.
PARIS (PTT), U.S.A. Bulletin.
RADIO-NORMANDIE, Dance Music.
11.30—From the Cabane Normande.
RADIO-PARIS, Dance Music. 11.15
—Light Music. Robert Orchestra.
STRASBOURG, News (German).
TOULOUSE, Light Music. 11.55—
News.

News.
VIENNA, Schrammel Music, Alfred
Strauss Trio, etc.

12 midnight

FRANKFURT and STUTTGART, RANKFURT and STOTICART, German Operetta Music (contd.). RADIO-NORMANDIE, Dance Music. RADIO-PARIS, Light Music. TOULOUSE, 12.5—Light Music. 12.30—Notes.

NATIONAL

For Time Signals, see Monday

10.15 a.m. (D)—Service.

10.30 (D)—Weather Forecast.

10.45—Cinema Organ, Sidney Torch.

11.15—Gramophone Records.

11.30—For the Schools: French for Older Pupils.

11.45—BBC Northern Ireland Orchestra; May Devitt (Soprano).

12.30 p.m.—Dance Records.

1.0—Theatre Orchestra,

2.0 (ex. Scottish)—Herring Bulletin.

1.0—Theatre Orchestra.
2.0 (ex. Scottish)—Herring Bulletin.
2.0 (Scottish)—See Regional.
2.5 (ex. Scottish)—For the Schools:
History; 2.30—Biology.
2.50—The Friary (Guidford) Band.
3.30—Kathleen Dunn Davies (Pfte.).
4.0—Evensong from St. Paul's Cathedral.

r. -The John Macarthur Quintet. BBC Dance Orchestra.

The First News.

La Parure Féminine—Madame 6.20

de Bioncourt.
40—Claude Hulbert and Bobbie
Comber in "Bigger Business," by

de Bioncourt.

de Bio

REGIONAL

REGIONAL
For Time Signals, see Monday
10.15 a.m.—Service.
10.30—Weather Forecast.
10.45—Gramophone Records.
11.30—Serge Krish and his Orchestra.
12.30 p.m.—Troiseand his Mandoliers.
1.15—The Prague String Quartet—
Dvořák, Mozart, Schulhoff.
2.0 (ex. Scottish)—BBC Welsh Orchestra; Blodwen Caerleon (Contraito).

traito).

2.0(Scottish)—For the Schools; 2.5—History, 2.30—Biology,

3.0—Empire Exchange,

3.15—Gramophone Records,

4.0—The Wynford Reynolds Octet,

4.45—Gramophone Records,

5.15—The Children's Hour,

6.0 (ex. Western, N. Ireland, Scottish)

—BBC Northern Orchestra,

6.0 (Western)—The Cardiff Wind Quintet,

6.0 (Scottish)—BBC Scottish Organical Control C

(Scottish)—BBC Scottish Or-

6.0 (Scottish)—BBC Scottish Orchestra.
6.0 (N. Ireland)—Dance Music.
6.30 (N. Ireland)—The Philip Whiteway String Quartet.
6.30 (Western)—Celebrities of the West—Kenneth Ellis (Bass).
6.45 (Scottish)—With the Old Folk.
7.0—The Second News.
7.20—Regional Announcements.
7.30—The World Goes By—A collection of poems and personalities who will broadcast views and information on life, London, the country and the world.

on life, London, the country and the world.

8.0 (ex. Western, Northern, N. Ireland)
— Schubert — 4. George Parker
(Baritone) Songs: Am Flusse,
Seufzer, An den Frühling, Augenlied, Nachtgesang, Schweizerlied,
Liebhaber in allen Gestalten.

8.0 (Western)—Billy Merrin and his
Commanders.

8.0 (Northern)—Hymn Singing Festival—The Darlington Sunday Schools
Choir, conducted by Cyril Winn.

8.0 (N. Ireland)—Saturday Night at
the Ulster Hall.

8.15 (ex. Western, Scottish)—"Kick
Off"—a Football Play with Music.

Choir, conducted by Cyril Winn,
8.0 (N. Ireland)—Saturday Night at
the Ulster Hall.
8.15 (ex. Western, Scottish)—"Kick
Off"—a Football Play with Music.
8.15 (Scottish)—Scotfish Dances.
8.20 (Western)—The Western Municipal Orchestra; Dorothy Clark
(Contralto).
8.45 (Scottish)—Glasgow Literary Club
Semi-Jubilee Dinner; After-Dinner
Speech by Ian Hay (Major Beith).
9.0 (Regional, N. Ireland)—BBC
Theatre Orchestra; Arthur Fear
(Bass-baritone).
9.0 (Midland)—"The House Next
Door"—Moore Raymond.
9.0 (Western)—A discussion in Welsh
on present-day problems dealing
with the home.
9.0 (Northern)—A Year in the Arctic.
9.0 (Scottish)—Music from the Scottish Past.
9.15 (Midland)—Jack Wilson and his
Versatile Five.
9.30 (Western)—Wariety,
9.30 (Western)—Welsh Airs and
Dances.
9.30 (Scottish)—Bees in the Bonnet, by

9.30 (Western)
Dances.
9.30 (Scottish)—Bees in the Bonnet, by
"The Gomeril."
10.0—News Summary.
10.25 (Midland 10.45)—Dance Music.
10.25 (Midland)—Reading.
11.30—Late News Summary.
11.40—Records. 11.30—Late Nev 11.40—Records.

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.).

and Cork, 1,240 ke/s (241.9 m.).

1.30-2.30 p.m.—Time; Weather; Stocks; Request Records. 5.30—Children's Hour: William Tell, adapted for Children by Eillen Knowles and Company. 6.15—Selection, "Tannhäuser"—Opera (Wagner). 6.35—Tish News; Fature. 6.45—Weather; Stock; News; Time. 7.0—"Here are our Treasures"—Catholic Central Library, by the Rev. Stephen Brown, S.J.

7.15—Popular Music by the Station Orchestra. Louise Hutton and May Roberts (Song Duets). Woodland Pictures (Fletcher). Tales from the Vienna Woods (Strauss). Woodland Sketches (McDowell).

8.15—Talk by Herbert Morrison—a

Sketches (McDowell). 8.15—Talk by Herbert Morrison—a Visitor to Dublin. 8.30—T. Browne and H. Leeming (Flute Duets). 8.45— 18 Miss Ireland being educated on the right lines?—Debate between Hernais Miss Ireland being coucated on the right lines?—Debate between Hernadette Plunkett and Mrs. M. Kettle. 9.0—Variety. 10.30—What happened to-day; Light Music. 11.0—National Anthem.

BANSKÁ-BYSTRICA

(Czechoslovakia) 392 kc/s (765 m.); 30 kW. Relays Czechoslovak Stations.

BERLIN (Germany)
841 kc/s (356.7 m.); 100 kW.
Transmits at intervals from 5.0 a.m.
11.0 a.m.—Light Orchestral; at 12.0 noon—Midday Echoes. 1.0 p.m.
—News. 1.15—Records: Viennese Music. 2.0—Exchange; Markets. 3.30—Books. 3.45—Records, 4.30—Winter Relief Report. 5.0-See Frankfurt.

6.0—"A Walk in the Zoo"—Songs and Verse (Mühlen); Music by Dressel. 6.45—Topical. 7.0—News. 7.15—See Hamburg.

7.45—Light Orchestral. Conductor : Steiner. Haentzschel (Pite.), 9.0—

9.30-11.0—See Cologne.

BEROMÜNSTER

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

5.30-5.50 a.m.—Ski-ing. 9.20-9.50— For Schools

For Schools.

1.0 a.m. – Ski-ing. 9.20-9.50—
For Schools.

1.1.0 a.m. – 12.45 p.m.—See Monte Ceneri. At 11.29: Time; News.
3.0-50 words.

3.0-For Women.

3.0-For Women.

3.0-French Chamber Music by Jaunet (Flute), Tüller (Tenor), Hegi (Baritone) and Girsberger (Pfte.).

4.10—Orchestra: Scheherazade (Rimsky-Korsakov). 5.0—For Children.

5.30—Talk. 6.0—Announcements; Markets. 6.15—Fröhlin (Songs to the Lute). 6.30—News. 6.40 (from Baste)—American Topics. 7.0—Radio Orchestra: Conductor: Bernhard.

7.30-Sailor Music by Kohler (Accor-

7.30—Sailor Music by Kohler (Accordion). 7.40—Sailors' Yarns. 8.10— Accordion

Recordion.

8.15—Ivan Engel (Pfte.) and the Radio Orchestra. Conductor: Bernhard.

9.0—For Swiss Nationals Abroad.

9.30—News. 9.40 (from Basle)—Tourist Notes.

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.—Light Orchestral; at 12.0 noon—News. 1.0 p.m.—News. 1.15—Variety from Deutschlandsender. 2.0—For Farmers. 3.0—For Children. 3.30—Books. 3.40—"Langemarck" (Hartmann). 4.0—Light Orchestral. 5.50—Report: A

Sheep-Shearing.
6.0—Variety. Station Dance Band, etc. 6.45—Topical. 7.0—News.

7.15—See Hamburg. 7.15—See Hamburg.
7.45—Patriotic Sequence with Songs of Four Centuries (Polloczek-Fritsche). Station Choir and Dramatic Ensemble, and Hitler Youth Radio Players. 9.0—News.

9.30-11.0 (from Gleiwitz)—" Glück-Auf" Band.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.15 a.m. 4.40 p.m.—German Transmission. Talk for the 125th Anniversary of K. H. Macha's Birth; H. Wagner,

Rösner and Chiari Music by Relly Jungschaffer (Soprano) and Erika Dostal (Pfte.). 5.15—News. 5.20—Tales. 5.35—For Workers. 5.45-6.20—See Prague. 6.20—Station Orchestra, Conductor: Plichta. Jazz Band; Moravian Vocal Quartet and Others. 8.0—Medical Talk. 8.15—See Prague. 9.0—News. News.

9.15—Esperanto Programme. Talk; Scherzo from the Triumph Symphony (Smetana). "The Accident at Mag-nuszov"—Play (Braun). Slav Dance (Dvořák).

9.45-10.0-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.
Brenders Dance Band.
1.10—Salon Orchestra.
Conductor:
Féron. 1.30—Records: Light Music.
2.0-3.15—Art Notes: Educational Programme



The Composer Edgar Tinel (1854-1912) whose music forms part of the Belgian programme at 8 p.m. (Brussels No. 1)

4.55 — Announcements. 5.0 - For

/omen.
5—Radio Orchestra. Conductor:
Douliez. Rustic Revels (Fletcher).
Divertissement on five Old English
Dances (Paumgartner). Suite
grotesque (De Brabander). Overture, "Le Dieu et la Bayadère',
(Auber). Excerpts, "Gretna Green"
(Guiraud). Ballet, "Romeo and (Guiraud). Balle Juliet " (Gounod).

Juliet" (Gounod).

6.0—Talk: Octave Pirmez. 6.15—
Light Orchestral with Gilberte Le
grand and Maury. 7.0—Protestan
Address. 7.15—Theatre Notes
Sports; Music Review. 7.30—News Sports; Music Review. 7.30—Rews.
8.0—Symphony Orchestra. Conductor: André. Overture, "Katharina" (Tinel). Symphonic Poem,
La lutte au XVIe siecle (Van den
Eeden). Excerpt, "Le Morti"
(Dubois). Fantasy on Angevin Airs
(Lekeu).

9.0—Ballad (Grieg) by Godowsky (Pfte.) on Records.

(Pfte.) on Records.
9.15—Radio Orchestra. Conductor:
Douliez. Egyptian March (Strauss).
Dances (Lanner). Mascarade
(Lacôme). Excerpts, "Tsar and
Carpenter" (Lortzing). 10.0—News.
10.10-11.0—Brenders Dance Band.

BRUSSELS (No. 2) (Belgium)

932 ke/s (321.9 m.); 15 kW.
Programme in Flemish.
6.37-9.0 a.m.—Records; Gym; News.
12.0 noon—Records. 12.30 p.m.—
Weather. 12.31—Salon Orchestra.
Conductor: Feron. 1.0—News. 1.10
—Brenders Dance Band. 1.30—Records. 2.0-2.3—Shipping.
4.40—Announcements. 4.45—Talk.

4.40—Announcements. 5.0—For Children.

5.0—For Children.
6.0—Flor Peeters Recital by Ria Lenssens (Songs) and the Composer (Organ). Organ Choral on a Mediæval Flemish Song: Een kint gheboren in Bethlehem. Poem for Organ and Voice: Speculum vitae (Text by Simons). Organ Choral with Variations on an Old Flemish Song: Heer Jezus heeft een hofken.
6.35—Sibelius Records. 6.45—Books.
7.0—Records (Borodin, Stravinsky).
7.30—For Ex-Service Men.

7.30—For Ex-Service Men.
8.0—Radio Orchestra. Conductor:
Doulicz. Overture, "Martha"
(Flotow). Fajardo (Bemers). Liebesleid (Kreisler). Frühlingstraum

(Strauss). Russian Rhapsody (Gretchaninov). Legends (Dvořák). Excerpts, "Fatinitza" (Suppé). Petpourri, Contrasts (Robrechi). 45—Gérard Walschap reads. O—César Franck Organ Records. Pièce hérofique. Prelude, Fugue and Variations.

Variations.

9.15—Symphony in D minor (Franck), by the Symphony Orchestra. Conductor: André.

10.0—News. 10.10-11.0—Dance Re-

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 4.30 a.m. 4.0 p.m.—Records: Operetta Potpourris. 5.0—Time; Weather;

4.0 pan pourris. 5.0—rm. Markets; Topical. Music. Radio 5.15—Old French Music. Rogalski Cochestra. Conductor: Rogalski Radulescu (Songs) Markets; Dopical:

S.15—Old French Music. Radio
Orchestra. Conductor: Rogalski.
Rosl Baumann-Radulescu (Songs).
Radulescu (Harpsichord). Jianu
(Flute). Fotino ('Cello). Introduction. Les gieux de Robin and
Marion. Popular Airs (arr. Baussnern). Flute, 'Cello, and Harpsichord: Sonata (Leclair). Sonata
for Flute (Loeillet). Piece for
Harpsichord (Couperin). Orchestra:
Suite (Rameau). Suite (Grétry).
7.0—Educational Programme.
7.20—Sarvas (Violin). Sonata in D
(Nardini). Clair de lune (Debussy).
Tambourin (Leclair). Spanish
Dance (Falla-Kreisler). 7.55—
Topical (French).
8.10—Constance Hameiu (Songs). Air,

Topical (French), 8.10—Constance Hameiu (Songs), Air, "La Gioconda" (Ponchielli), Still wie die Nacht (Bohm), Air, "Mi-trane" (Rossi), Cradle Song (Bor-goven), 8.30—News; Sports, 8.45—Light Music—Radio Salon Or-chestra, Conductor: Teodoru.

BUDAPEST (No. 1) (Hungary) 546 kc/s (549.5 m.); 120 kW. Transmits at intervals from 5.45 a.m. Transmits at Intervals 11.5—Police Band. 12.30 p.m.—Greizinger (Pfte.) and Ferike Bertok (Songs). 3.15— For Students. 4.0—Hygiene Talk. 5.15—Talk. 5.45—Regina Schein

(iCello).
6.20—"Peer Gynt"—Drama (ibsen).
9.0—News.
9.20—Weidinger Salon
Orchestra.
10.0—Records.
11.5—

BUDAPEST (No. 2) (Hungary) 359.5 kc/s (834.5 m.); 18 kW. 5.45 p.m.—Italian Lesson. 6.25— Sebö (Songs). 7.5—Cymbalon. 7.35— News. 8.0—Station Orchestra.

COLOGNE (Germany)
658 kc/s (455.9 m.); 100 kW.
Transmits at intervals from 5.0 a.m.
11.0 a.m.—Band. 12.0 noon—News.
12.15 p.m.—Light Orchestral; at 1.0
—News. 2.0—For Children. 2.45—
Economics. 3.0—Genealogy. 3.30—
Engel Band. 4.45—Talk: Gandhi. Enger Band. 4.45—Talk: Gandh. 5.0—Pfte. Quintet in D flat (Wolf-Ferrari). 5.30—"Obadiah"—a Sailor's Yarn (Luserke), told by the Author. 6.0—Chamber Music. 6.45 —Snapshots. 7.0—News.

7.15—See Hamburg. 7.15—See Halmong.
7.45—Wagner Concert—Excerpts from
the 1936 Bayreuth Festival. Conductor: Tietjen (Recorded). Scenes
from "Siegfried," "The Valkyrie,"
and "Lohengrin." 9.0—Time;

9.30 - 11.0 — Serenade 'and Dan Music, with the Six Merry Singers

DEUTSCHLANDSENDER

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

berg. 12.45—News.
1.0—Variety. 2.0—Exchange; Programmes. 2.15—Records. 2.45—Books. 3.0—Dobrindt Band. Part I: Light Classical. Part II: The Five Strausses; at 3.50: Topical. 5.0—Play for Boys. 5.25—Organ Records. 5.40—Physical Training. 6.0—Kaiser Dance Band. In the interval: Sound News. 6.45—Topical. 7.0—Motto; News.

18-18-3. 1.15—Caecilia Hansén (Violin), Stech (Pfte.). Concerto in A minor (Vivaldi). Prelude and Fugue for Solo Violin (Bach), Dance (Sara-sate).

7.45—Youth Programme,—Youth at the Plough (Recorded). 8.15—Re-cords: Bavarian and Swabian Music, 9.0—News.

9.30—Divertimento for two Clarinets and Bassoon (Mozart). 9.45—

Weather.

10.0-11.0—Dance Music and Light
Music by the Roosz Dance Band.

WEDNESDAY (November 4)

FRANKFURT (Germany)

1.195 kc/s (251 m.): 25 kW. Relayed by Cassel, Coblenz, Frei-burg, and Trier, 1,195 kc/s (251 m.) Transmits at intervals from 5.0 a.m. 11.0 a.m.—Light Orchestral. 1.0 p.m.

11.0 a.m.—Legan—News.
1.10—Wagner Records of Lorenz (Tenor) and Orchestra.
2.0—Economics. 2.15—Topical: Reading.
3.0 (from Freiburg)—Hirtler (Pfte.) and Orchestra.
4.30—"The German Family" (Biermer).

Family "(Biermer).

5.0—Opera and operetta music. Choir and Orchestra, Hauck Band, Tenor, Bass. 6.45 — Topical. 6.55 — Announcements. 7.0—News.

7.15—See Hamburg.

7.45—"Over the South Atlantic aboard the Zeppelin "—Variety (arr. v. d. Becke). 9.0—Time; News.

9.30—See Cologne.

9.30—See Cologne.

11.0 p.m.-1.0 a.m. (Thursday)—German Operetta Excerpts by Deutschlandsender Station Choir, Orchestra, and Singers. Conductor: Marszalek (Recorded). Excerpts. "Die Vielgeliebte" (Künneke), "Wenn Liebe befiehlt" (Snaga), "Adrienne" (Goetze).

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 5.15 a.m

11.10 a.m.—Light Orchestral, 1.0 —News, 1.20—Music, 2.0—Excha

30-Rondos (Beethoven) by Stóterau

(Pite.).
3.0—See Deutschlandsender.
3.50—
Talk. 4.10—Handwork Songs.
4.30—
Sequence for Women (Heuer). 5.0—Theil Concert, the Compose ducting, with Kobin (Violin). L kampf. Violin Concerto 5.45—Shipping.

5.45—Shipping.
6.0—"Gold from the Equator"—
Play (Tittel); Music by Girnatis.
6.45—For Farmers. 7.0—News.
7.15—For all German Stations: Youth
Programme—Youth at the Plough.
7.45—See Cologne. 9.0—News.
9.30-11.0—Dance Band.

HILVERSUM (1,875 m.)

HILVERSUM (1,875 m.)

(Holland)

160 kc/s; 10 kW until 2.40 p.m.;

100 kW from 2.40 p.m.

N.C.R.V. Programme.

7.40-9.10 a.m.—Bible Reading: Meditation; Records.

10.10—Service.

10.40—Couperus (Bass) and Keereweer (Pfte.).

11.40—Announcements; Records.

12.10 p.m.—Dutch Harp Quartet; in the intervals; Records.

1.40—Records.

2.40-3.25—Mile. Aerts (Pfte.) and Mile. Kalfi (Violin).

3.40—Visser (Organ).

4.40—For Children.

5.40—Talk; Inland Navigation Report.

7.40—News.

7.50—Harvest Thanksgiving Service; Hoogeveen (Organ).

9.25—Records.

9.40—News; Chess.

10.0-11.10—Records; Bible Reading.

HILVERSUM (301.5 m.)

995 kc/s; 15 kW until 2.40 p.m.; 60 kW from 2.40 p.m.; V.A.R.A. Programme. 7.40 a.m.—Records. 9.10—Gastronomical Talk.

9.40—V.P.R.O. Religious Programme-9.55—Records; Talk. 11.10—Talk. 11.40—Records. 11.55—De Fliere-fluiters and Songs. Conductor: v. d. Horst. 12.40-1.25 p.m.—The Melody Circle. Conductor: wins. 1.40— Jong (Organ). 2.10—For Women. Jong (Organ). 2. 2.40—For Children.

2.40—For Children.
5.10—V.A.R.A. Orchestra. Conductor: Lohoff. Records in the interval.
6.40—Sports Notes. 6.55—Choir.
Conductor: Tiggers. Records in the interval.
7.20—Talk; Announcements. 7.55—Records. 8.25—Play.
9.10—The "Bohemians." Conductor: v. d. Horst. 9.40—News. 9.45—Mile. T. de Lorme (Soprano) and Jong (Organ).

(Organ). 10.10—The Rambiers Dance Band Conductor: Masman. 10.40—Talk 11.10-11.40—Records.

KALUNDBORG (Denmark)

240 kc/s (1,250 m.); 60 kW. Relays Copenhagen, 1,176 kc/s (255.1 m.). Transmits at intervals from 6.0 a.m.

11.0 a.m.-1.0 p.m.—Warny String Ensemble. 1.50—Preil's Ensemble; at 2.40—Swedish Reading. 3.50—

WEDNESDAY (November 4)

Wireless Notes. 4.0—Talk: Twenty Years of Danish Football. 4.40— Exchange; Markets. 4.50—Fischer and Alsfelt (Two Pftes.). 5.15— Weather. 5.20—For Mothers. 5.35— French Lesson. 6.0—News; Doings of Danes Abroad. 6.30—For Farmers. 7.0—Old Music. Radio Ombacter. 7.0—Old Music. Radio Orchestra.
Conductor: Tuxen. Suite, "Amphitryon" (Purcell). Excerpts,
"Armide et Renaud" (Lully).

Armide et Renaud (Lully).
7.25—Records: "Carmen" Fantasia
(Bizet-Sarasate) by Marteau (Violin).
7.35 — "The Orphanage" — Play
(Haekkerup-Bergstedt). 8.35—Record.
8.40—Discussion: Land Work. 9.10

-News.

9.25—Operetta Music. Radio Orchestra. Conductor: Tuxen. Overture, "Gipsy Love" (Lehar). Selection, "No, no, Nanette" (Youmans) and "Tip-toes" (Gershwin).

9.55-11.30—Petersen Dance Band; at 11.0—Chimes.

KÖNIGSBERG (No. 1)

KÖNIGSBERG (No. 1)

(Heilsberg) (Germany)
1,031 kc/s (291 m.); 100 kW.
Relayed by Danzig, 1,303 kc/s
(230.2 m.)
Transmits at intervals from 5.0 a.m.
11.0 a.m.—Light Orchestral. 1.0 pm.
News. 11.10—Reading.
1.20—Unfamiliar Light Classical Music.
2.0—For Housewives. 2.10—For
Girls. 2.35—Records; at 3.15—
Riding.

4.5—" Matthew and Herman Claudius"—Sequence with Choral Songs.

4.50—String Quartet in A (Schumann) by the Peter Quartet. 5.20—Local News.

0—"Collegium lusticum"—Caba (Witt); Music by Neumann. 6.45 Topical.. 7.0—News.

7.15—See Hamburg.

Songs, Tales, and Humour, with the Station Choir, etc. 9.0—News. 9.20—Talk: Bismarck.

9 40-11.0-Music from Cologne.

TEIPZIG (Germany)
785 kc/s (382.2 m.); 120 kW.
Relayed by Dresden, 1,285 kc/s
(233.5 m.).
7ransmits at intervals from 5.0 a.m.
11.0 a.m.—Band. 12.0 noon—News.
12.15 p.m.—Orchestra; Flute. 1.0
News.

1.15—Variety from Deutschlandsender. 2.0—Science and Progress. 2.10
—Art Notes. 3.0—Records. 4.0—
Economics. 4.10—Talk: The Pekin
Theatre. 4.30—Music. 4.45—Talk.
5.0—See Frankfurt. 6.0—Talk: 5.0—See F Egger-Lienz.

Egger-Lienz.
6.20—Pfle. Concerto in A (Schäfer)
by Rosl Schmidt and the Leipzig
Symphony Orchestra, Conductor:
Weisbach. 6.50—Topical, 7.0—News.
7.15—See Hamburg. 7.45—For

Norkers.

8.0—Leipzig Symphony Orchestra and Chamber Music Ensemble, Conductor: Blumer (Pfte.), Station Choir, Henriette Lehne (Contralto), Göpelt (Bass), Sammler (Pfte.). 9.0—News. 9.20—Books.

9.30-11.0-Dance Band.

LILLE (Radio PTT Nord)

LILLE (Radio PTT Nord)

(France)
1,213 kc/s (247.3 m.); 60 kW.
Transmits at intervals from 6.50 a.m.
8.30 p.m.—Roubaix Conservatoire
Symphony Orchestra. Conductor:
Bousquet. Marcelle Stach (Songs).
Overture, "The Mastersingers";
(Wagner). "La Flûte de Jade"
(Marguerite Canal) for Voice and Orchestra. Conductor: The Composer. Excerpt, "Redemption";
(Franck). Ballet, "Mother Goose"
(Ravel). Le Cantique des Cantiques (Marguerite Canal) for Voice and Orchestra. Conductor: The Composer. Chabrier).

LYONS (PTT) (France)
648 kc/s (463 m.); 100 kW.
Transmits at intervals from 6.50 a.m.
8.30 p.m.—" Chantecler" — Play
(Rostand), with Louis Seigner of the
Odéon, Paris. 10.30-11.0—News.

MONTE CENERI (Switzerland)

1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 11.0 a.m. 11.0 a.m.—Records: Swiss Marches. 11.10—Serenades by the Three Min-strels. 11.30—News, 11.40—Opera-

Bouffe Music. 12.45-12.50 p.m.— Financial Report. 3.30-5.0—See Beromünster. 5.59— Announcements; Records. 6.15—For Farmers. 6.30—Records. 6.45—

"Ticino, Land 7.0 till Close Down: "Ticin of Artists." 7.0—Talk by

. (Songs).
Arias, "Tosca" (Puccini), "Andrea Chenier" (Giordano), "La Wally" (Catalani), "Manon" (Puccini), and "Mephistopheles" (Boito).

7.25-Talk by Benedetto Croce.

7.25—Talk by Benedetto Croce.
7.35—Music and Poems by Composers and Poets who visited the Ticino.
Radio Orchestra—Conductor: Casella; Giulietta De Riso and Guido Calgari (Recitations).
Prelude to Act IV, "La Wally" (Catalani).
Selection, "I Pagliacci" (Leoncavallo). Intermezzo, "Manon Lescau" (Puccini). Intermezzo, "Tialacad" (42 hbrt). Four Selection, "I Pagliacci" (Leon-cavallo) Intermezzo, "Manon Lescaut" (Puccini). Intermezzo, "Tiefland" (d'Albert). Four Episodes for Chamber Orchestra (Bloch). In the intervals, Poems by Manzoni, Bertacchi, Fogazzaro, Chiesa and Bacchelli. 8.15-9.15—A Radio Report.

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 Augsburg, 12.0 noon—News, 12.15 p.m.—Light Orchestral, 12.45—News. -Light Orchestral, 12.45—News. 1.0-2.0—See Deutschlandsender, 2.40 -For Girls, 3.0—For Farmers, 3.10 -Hitler Youth, 3.30—Vocal and Instrumental, 4.30 Talk: Egger-Lienz, 4.50—For

Farmers.

Farmers.
5.0 (from Nürnberg)—Station Quintet, Double Quartet, Recorder Quartet, Pfte., Tenor.
6.0—Concert, Station Orchestra, Conductor: Winter, Henny Wolff (Soprano) (Mozart, etc.). 7.0—News.
7.15—See Hamburg.

7.15—See Hamburg. 7.45—"Autumn in the Algäu"— Humour, Song and Dance in Oberst-derf, and Accordion Music in Immen-stadt. 9.0—Time: News. 9.20— Talk: German Problems.

9.45-11.0-Station Dance Band, etc.

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 metres.
Transmits at intervals from 10.40 a.m.

Fransmits at intervals from 10.40 a.m., 55 p.m.—Station Orchestra. Conductor: Kramm. Eine kleine Nachtmusik (Mozart). Le tombeau de Couperin (Ravel). España (Chabrier). Prelude and Death of Isolda, "Tristan and Isolda" (Wagner). Suite (Gjerström). Three Norwegian Melodies (Grieg); at 7.30-7.55; Talk from the University.

sity. 8.40—News. 9.0—Topical. 9.15— Reading. 9.45-10.30—Dance Records

PARIS (Eiffel Tower) (France) 1,456 kc/s (206 m.): 5 kW.
Transmits at intervals from 8.0 a.m.
7.0 p.m.—News. 7.10—Racing. 7.20
—Foreign Affairs. 7.45—Press Review. 7.50—Home Affairs. 8.30— Records.

9,25-10,15-See Vienna.

PARIS (Poste Parisien) (France)

959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m. Transmits at intervals from 7.10 a.m.
12.0 noon—Exchange. 12.5 p.m.—
Records; at 12.35: Exchange. 1.19—
Grichine. 1.35-2.0—Records: Light
Music. 2.0, 3.45, and 4.35—Exchange.
6.0—Call: 6.2—Jewish Talk. 6.17—
Records. 6.30—Exchange. 6.35—
Records: Light Music. 6.42—
Topical. 6.49—Records. 7.6—News.
7.30—Aeronautics. 7.37—Song Records. 7.52—Records. 8.2—Paul
Reboux. 8.17—Adison Orchestra.
8.32—Sketch.
9.5—Talk

8.32—Sketch.
9.2—Lightning Sketches. 9.5—Talk.
9.20—Mireille, 10.0—"Grand Jeu"
10.30-11.0—Records: Orchestra. Light Music.

PARIS (PTT) (France)
695 kc/s (431.7 m.); 120 kW.
Transmits at intervals from 6.50 a.m.
2.30 p.m.—Programme for the Blind.
Cabaret; Orchestra; Pfte.; Songs;
News; Talk; 'Cello; "La princesse
jaune"—One-Act Opera (Saint-Saëns).
4.0—Talk: Peasant Art, 4.10—Talk:
Anthronology. Anthropology.

4.20—Andrée Grialys (Songs). 4.30— Jacovacci Hawaiian Band. 4.45—

Jacovacci Ramana.
Records.
5.0—Pasdeloup Concert Orchestra.
Conductor: Cloez. Overture and
Ballet, 'Idomeneo'' (Mozart).
5.30—Talk: Bergson. 5.40—Records.
5.55—Talk. Concert Orchestra

5.30—Talk: Bergson. 5.40—Records.
5.55—Talk.
6.0—Pasdeloup Concert Orchestra (contd.); Worms ('Cello). Overture, "Castor and Pollux" (Rameau). Pavane (Fauré). Hebrew Music for 'Cello: (a) Meditation (Dick), (b) Dance (Dick), (c) Kol Nidrei (Bruch). 6.30—News; Review.
7.38—Pasdeloup Concert Orchestra (contd.). Overture, "Mignon" (Thomas). Prayer (Boëllmann). Gothic Minuet (Boëllmann). Mazurka in D (Chopin).
8.0—Tourist Talk. 8.15—Foreign Affairs. 8.23—Literary Notes.
8.30—Hubeau (Pfte.). Excerpts, "L'homme marche" (Hubeau). Scherzetto (Gallon). Sicilienne (Roussel). Rondo (Roussel).
8.45—Folk Songs of France, Haiti, Mexico, The Ukraine, Russia, Sicily, and Normandy, by the "Do-Sol" Vocal Quintet. Conductor: Cyme.

ocal Quintet. Conductor: Cyme.

15—Loewenguth Quartet, Lucienne
Tragin (Songs), Vacellier (Clarinet),
Simone Gouat (Pfte.). Märchenerzählungen (Schumann). Aria, "The
Secret Marriage" (Cimarosa). A
questo seno (Mozart). Die Forelle
(Schubert). Ständchen (Schubert).
Clarinet Solos (Stravinsky). Quartet

(Glazunov). 10.30—News. 11.0—U.S.A. Bulletin.

PARIS (Radio-Paris) (France) 182 kc/s (1,648 m.); 80 kW.

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—
Song Records. 11.0—Pasdeloup Concert Orchestra. Conductor: Flament.
12.0 noon—For Farmers. 12.15 p.m.
—Pasdeloup Concert Orchestra (contd.). Franzini (Songs); at 12.45:
News; Review by Divoire. 2.0—
Literary Talk. 2.15—Reading (Tristan Bernard). 2.30—Concert. 4.0—
"Ballads"—Records. 4.30—Records:
Slav Music. 5.0—Science. 5.15—
Books.

"Ballads"—Records. 4.30—Records:
Slav Music. 5,0—Science. 5.15—
Books.
5,30—Pasdeloup Concert Orchestra.
Conductor: Cloez. Worms ('Cello).
Ballet, "Gretna Green" (Guiraud).
Suite, "Carnaval" (Guiraud).
'Cello: (a) Le chérubin (Couperin),
(b) Adagio and Allegro (Schumann),
(c) Habanera (Ravel-Maréchal).
6,0—For Children.
6,30—Lecture-Recital: German Influence on French Opera, with Mozart,
Beethoven and Weber Music. 7,30—
Talk: The French Theatre after
Beaumarchais. 7,45—Poems (Romane).

mane).
8.0—"Le Fiancé de Margot"-Act Operetta (Planquette).
News.
8.45—"Kean"—Plan (Planquette).

News. 8.45—" Kean "—Play (Dumas, arr Colin), with Rollan in the title role 10.45—Dance Music—Robert Or

nestra.
1.15 p.m.-12.15 a.m. (Thursday)—
Light Music by the Robert Orchestra. Overture, "Semiramis" (Rossini). Amoroso (Filipucci). Excerpts, "The Nuremberg Doll" (Adam). Minuet (Massenet). Dance (Brahms). Les violons de Monsieur de Conti (Wormser). Madrilène (Infante).

PRAGUE (Czechoslovakia)
638 kc/s (470.2 m.); 120 kW.
Transmits at intervals from 6.15 a.m.
5.45 p.m.—News (German). 5.55—
Record, 6.0—News. 6.10—Topical.
6.20-8.15—See Brno. 8.15—Orchestra and Songs from MoravskáOstrava. 9.0—Time; News. 9.15—
See Brno. 9.45-10.0—French News.

RADIO-NORMANDIE

RADIO-NORMANDIE

(France)

1,113 kc/s (269.5 m.); 15 kW.

7.0 a.m.—Military Band; at 7.10:
News. 8.0—Records. 8.15—Light
Music. 8.45—Records. 9.0—Dance
Music. 9.15—Popular Music. 9.45—
Records. 10.15—Light Music. 10.45
—Records. 11.0—Orchestra. 12.40
p.m.—News. 1.0—Concert. 2.0—
Records. 2.30—Dance Music. 3.0
—Records. 2.30—Dance Music. 3.0
—Records. 3.30—Light Music. 4.45
—For Children. 5.0—Records. 5.15
—Light Music. 5.0—Records. 5.15
—Light Music. 5.30—London Music. 5.45—Modern Songs. 6.0—Children's
Corner. 6.40—Talk; Racing. 7.0
—Concert. 7.40—News. 8.0—
Records. 8.20—Talk; 8.30—Ventura
and his Collegians. 9.0—Elbeuf
Police Band. 11.0—Dance Music.
11.30—From the Cabane Normande.
12.0 ni't—Roy Fox and his Band.
12.30-1.0 a.m. (Thursday)—Dance
Music. 12.30-1 Music.

RADIO-ROMANIA (Brasov) (Romania)

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

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 7.30 a.m.
4.0 p.m.—News. 4.15-4.50—Light
Music. 5.50—Dopolavoro Notes.
6.0—Records; News and Talk (German). 6.20—News in Foreign Languages. guages. 7.5—Time; News. 7.30—Talk.

7.5—11me; 14ews. 7.40—Report. 8.0—" Beffare "—One-Act Play (Ce--Concert of Patriotic Music from Teatro Adriano. Conductor:

the Teatro Adriano.
Molinari. 10.0—News.
10.15-11.0—Dance Music.

SOFIA (Bulgaria) 850 kc/s (352.9 m.): 1 kW. Transmits at intervals from 5.0 a.m. 5.0 p.m.—Folk Songs. 5.20—Operetta

Music. 5.50—From the National Opera. 7.0—Talk. 7.15—Light Music and Dance Music. 7.45—News. 8.0-10.0—Concert.

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

11.0 a.m.-12.45 p.m.—See Monte Ceneri; at 11.30: News:

3.30-5.0—See Beromunster. 5.0—For Young People. 5.45—Talk: Beethoven's Third Symphony. 6.0—Art Talk. 6.15—Radio Magazine. 6.50—Nams.

7.0 till Close—From Geneva

7.0 till Close—From Geneva.
7.0—String Quintet (Lauber), with the Composer. 7.20—Talk.
7.35-9.30—Symphony Concert from the Grand Theatre, Geneva. Suisse romande Orchestra. Guest Conductor: Gui. Symphony in E flat—the Eroica (Beethoven). Chorals on Michelangelo Sonnets (Dalla Piccola). Adagio and Intermezzo (Pergolesi-Gui). Prelude, Choral and Fugue (Franck-Gui). Overture, "La Cenerentola" (Rossini).

STOCKHOLM (Sweden)
704 kc/s (426.1 m.); 55 kW.
Relayed by Motala, 216 kc/s
(1,389 m.); Göteborg, 944 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.

Trànsmits at intervals from 6.20 a.m.
4.5 p.m.—Accordion Duets and Songs.
4.45—Gardening Talk by Countess
Julie Hamilton. 5.15—Records. 6.15
—News. 6.30—Talk.
6.55—Bellman Choir. Conductor:
Lundvik. Soldier's Song (Söderman). Längtan (Söderman). Songs
(Bellman): (a) Joachim uti Babylon,
(b) Bacchi Vaggvisa, (c) Mowitz i
afton står bal'n. När löven falla
(Lundvik). Sjöfararen vid Milan
(Palmgren). Klunkom Velam
Velamsson (Palmgren).
7.15—A Motor Tour of North Sweden

7.15—A Motor Tour of North Sweden with Gustaf Näsström.

8.0—Stockholm Concert Orchestra.
Conductor: Ansermet. Thibaud
(Violin). Violin Concerto in B
minor (Saint-Saëns). La valse
(Ravel).
8.45—News. 9.0-10.0—Dance Band.

STRASBOURG (France)

STRASBOURG (Francé)
859 kc/s (349.2 m.); 100 kW.
Transmits at intervals from 6.45 a.m.
5.30 p.m.—Radio Orchestra. Conductor: de Villers. Overture,
"The Bartered Bride" (Smetana);
Suite, "La Cigale" (Massenet).
Prize Song, "The Mastersingers" (Wagner). Entry of the Gods into Valhalla, "The Rhinegold" (Wagner). Excepts, "The Pearl Fishers" (Bizet). Pieces for Strings (Dubois). Gitanilla (Lacôme).
6.30—News; Topical. 7.15—Records. 7.30—News. 7.45—News (German).
8.30—Strasbourg Municipal Orchestratform the Palais des Fêtes. Conductor: Munch. Wetzel (Pfle.). Overture, "Euryanthe" (Weber). Pfle. Concerto in F minor (Chopin). Suite, Scheherazade (Rimsky-Korsakov).
10.30—News. 11.0—News (German).

STUTTGART (Germany)
574 kc/s (522.6 m.); 100 kW.
Transmits at intervals from 5.0 a.m.
11.0 a.m.—Light Orchestral.
1.0-2.0 p.m.—See Deutschlandsender.
2.15—Talks. 2.30—For Girls.
3.0—See Deutschlandsender.
An Arabian Wedding (Graf).
5.0—See Frankfurt.
5.0—See Frankfurt.
6.45—Book Talk.
7.0—News.
7.15—See Hamburg.
7.45—Schubert Cycle III: 1816-1819.
Station Orchestra, with Solo Voices and Instruments.
Conductor:

10.0—Dance Records. STUTTGART (Germany)

Leonhardt. Two Marches. Songs to Mayrhofer Text. Sonatina for Pfle. and Violin. Two Songs. Symphony in C minor—the Tragic. 9.0—News

Symphony in C minor—the Tragic. 9.0—News. 9.30—Rudolf Bella Songs by Hilde Keefer-Bluthardt (Soprano). Zu spät. Jugendliebe. Herbstahnung. Jetzt ist es endlos still umher. Wogensang. 9.45—Records. 11.0 p.m.-1.0 a.m. (Thursday)—See Frankfurt.

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW.
7.55 p.m.—News; Light Music. 8.25—Orchestra. 8.40—Songs. 8.55—News. 9.10—"Si nous revions"—Fantasy. 9.45—Paris Programme. 10.15—Selection, "The Gold-diggers of Broadway"—Film. 10.40—Operetta Music. 10.55—News. 11.0—Songs. 11.15—Viennese Orchestra. 11.40—Film Music. 11.55—News. 12.5 a.m. (Thursday)—Light Music. 12.20—Hunting Horns. 12.30—Announcements.

TURIN (No. 1) (Italy)

1,140 kc/s (263.2 m.); 7 kW.
Relayed by Milan (No. 1), 814 kc/s
(368.6 m.); Genoa, 986 kc/s
(304.3 m.); Trieste, 1,140 kc/s
(263.2 m.); Florence, 610 kc/s
(491.8 m.); Bolzano, 536 kc/s
(559.7 m.); and Rome (No. 3),
1,258 kc/s (238.5 m.)

Transmits at intervals from 7.30 a.m.
4.0 p.m.—News. 4.15—Paola Della
Torre (Soprano), Scaglia (Violin),
4.55-5.5—Talk. 5.50—Dopolavoro
Notes. 6.0—News in Foreign Languages.

VIENNA (Austria)
592 kc/s (506.8 m.); 100 kW. Relayed by Graz and Linz, 886 kc/s
(338.6 m.); Innsbruck, 519 kc/s
(578 m.); Klagenfurt and Vorarlberg, 1,294 kc/s (231.8 m.); and
Salzburg, 1,348 kc/s (222.6 m.).
Transmits at intervals from 6.0 a.m.
5.10 p.m.—Talk: Values and Prices.
5.35—Talk: The Future of Western
Civilization.

5.33—Talk; The Future of Toster. Civilization. 5.55—"The Flying Dutchman"— Three-Act Opera (Wagner), from the State Opera; at 7.0: News. 9.15—

News. 9.15—News. 9.15—News. 9.25—Newly published Hugo Wolf Songs to Eichendorff and Reinick Text Sung by Patzak (Tenor). Part 1. Eichendorff Text. In der Fremde. I. Rückkehr. In der Fremde, II. In der Fremde VI. Part II: Reinick Text. Wohin mit der Freud '. Liebehotschen, wo bist du. Nachtgruss. Frühlingsglocken. Ständchen. Liebesbotschaft. Frohe Botschaft. 10.5—Announcements. Botschaft, 10.5—Announcements. 10.15—Records, Light Music and

Dance Music.

11.0-12.0 m't—Schrammel Music by the Alfred Strauss Trio, etc.

WARSAW (Poland)

WARSAW (Poland)

224 kg/s (1,339 m.); 120 kW.
Relayed by Cracow, 1,022 kc/s
(293.5 m.); Katowice, 758 kc/s
(395.8 m.); Lódz, 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 (359.7 m.)
Transmits at intervals from 5.30 a.m.
11.30 a.m.—Station Orchestra. Conductor: Górzyński.
11.40 (from Katowice)—Talk. 11.5012.0 noon—News. 2.0 p.m.—Economics. 2.15—Records: Light Music.
2.55—Technical Letterbox. 3.10 (from
Lwów)—Musical Guessing Competition for Children.
3.10—Band. March (Fucik). Slav
Rhapsody (Friedemann). Japanese
Cherry Blossom Festival (Yoshitomo). The Phantom Brigade
(Myddleton). Spanish Dance
(Moszkowski). Mazurka (Namyslowski).
4.0—Talk. 4.15—Trio for Oboe,
Bassoon and Pfte. (Lalliet). 4.35—Light Music. 4.50 (from Cracow)—

(Moszkowski). Mazurka (Namyslowski).
4.0—Talk. 4.15—Trio for Oboe, Bassoon and Pfte. (Lalliet). 4.35—Light Music. 4.50 (from Cracow)—Talk: Mickiewicz's House in Paris. 5.0—Topical. 5.10—Sports. 5.20—Announcements. 5.50—Talk: Radio in the Country. 6.0—Poetry. 6.15—Records. 7.35—Talk. 7.45—News. 7.55—Topical.
8.0—Chopin Recital by Imre Ungar (Pfte.). Nocturne in E minor. Btudes in E minor and C flat. Mazurka in C minor. Barcarolle in in F sharp.

4 p.m.

BERLIN, Vocal and Instrumental, 4.30—Songs. BRESLAU. Light Orchestral. BUCHAREST and RADIO-ROMANIA, Orchestra. BUDAPEST (1), 4.30—Dance

Records.
COLOGNE, 4.30 — Germans at
Home and Abroad Talks with

Home and Abroad "—Talks with Records.

DEUTSCHLANDSENDER, Band.

HAMBURG, Variety. 4.45—Talk.

LEIPZIG, 4.10—Talks, Music.

OSLO, Records.

RADIO-NORMANDIE, Concert.

4.45—For Children. RADIO-PARIS, Records. ROME, News.

4.15—Trio (Pizzetti). 4.55—Talk.

SOTTENS and BEROMÜNSTER.

Rosy Saron (Pfte.). 4.20—The Dansant.

TURIN, News. 4.15—Soprano, Baritone. 4.55—See Rome.

WARSAW, 4.15—German Dances.
4.50—Books.

5 p.m.

ATHLONE, 5.30-Children's Hour. ATHLONE, 5.30—Children's Hour.
BERLIN, Records. BEROMÜNSTER, Music. 5.30—Orchestra.
BRESLAU, Light Orchestral, 5.50
—Notes. BRUSSELS (1), Records.
5.30—For Children. BRUSSELS (2)
Records. 5.45—For Children.
BUCHAREST and RADIO-ROMANIA, Notes; Orchestra.
BUDAPEST (1), Dance Records.
5.40—Talk.

COLOGNE, Talks with Records (contd.). 5.30—Records.

Contd.). 5,30—Records.

DEUTSCHLANDSENDER, Station Chamber Choir. 5.30—Talks.

HILVERSUM (1,875 m.), 5.10—Amsterdam Salon Orchestra. HILVERSUM (301.5 m.), 5.10—Palla (Organ), Drukker (Violin), Smedes (Tenor).

KALUNDBORG, Banjo. 5.35— English. KÖNIGSBERG, FRANK-FURT, HAMBURG, STUTTGART,

LEIPZIG, Peasant Dances and Songs.

5.50—Call of Youth.
MUNICH, Light Orchestral.
OSLO, Service. 5.25—Vocal Quartet.
5,50—News.

RADIO-NORMANDIE, 5.15—Light Music. RADIO-PARIS, "Les Visionnaires" Comedy (de Saint-Sorlin). ROME and TURIN, 5.50—Notes.

SOTTENS, French Music—Or-chestra. 5.30—For Women. 5.50— Suite, "Tom Jones" (German). STOCKHOLM, 5.45—English. WARSAW, Notes.

6 p.m.

ATHLONE, Children's Hour. 6.15—Spanish Dance Records. 6.35—Irish News. 6.45—News.
BERLIN, Talk: Swimming. 6.15—Violin Sonata in C minor (Grieg). 6.45—Evening Echoes. BEROMUNSTER, Report. 6.5—Talk. 6.30—News. 6.40—Talk. BRATISLAVA, 6.30—"The Merry Wives of Windsor"—Opera (Nicolai). BRESLAU, Reports. BRUSSELS (1), Music Lesson. 6.30—Records. BRUSSELS (2), For Children. 6.30—Song Records. 6.45—Talk. BUCHAREST and RADIO-ROMANIA, Educational. 6.20—Records. BudDAPEST (1), Talk. 6.10—Bulgarian Folk Songs. 6.40—Talk.

COLOGNE, Topical: Records. 6.45—Snapshots. DEUTSCHLANDSENDER, Records, "Domestic Scene" (Bock). 6.45— Domestic Scene Topical.

FRANKFURT, Excerpts, "Festival Oratorio" (Handel), for the Lahr Festhalle Inauguration. 6.40—Topical; Notes.

HAMBURG, Dialect Play. 6.45—
Report. HILVERSUM (1.875 m.),
Orchestra (contd.). 6.25—Talk;
Notes. HILVERSUM (301.5 m.),
Organ, Violin, Tenor (contd.).
6.10—Sports. 6.40—For Children.
6.45—Concert by the "Staals-meesters."

KALUNDBORG, News. 6.15— Talks. KÖNIGSBERG, Notes; Band (contd.). 6.45—Topical. LEIPZIG, "Fürstenblut für Ochsen-blut"—Play (Gilbricht). 6.55—

MONTE CENERI, 6.45—News. MUNICH, "Serenata to Triesdori"—Musical Play (Schaeff-Scheefen, Music arr. Feist). 6.45—Talk.

OSLO. News. 6.30—Record. 6.35—

PARIS (PTT), Gaston Litaize (Organ), 6.30—News. POSTE PARISIEN, 6.2—Talk; Records; Exchange. 6.35—For Children. PRAGUE, News. 6.10—German. 6.25— Salon Quartet. 6.55—Talk.

RADIO-NORMANDIE, Symphony Orchestra. 6.30—Talks; Racing. RADIO-PARIS, Comedy (contd.). 6.45—Medical. ROME, Records; Notes; Talk (Spanish). 6.20— News in Foreign Languages.

SOTTENS, For Farmers. 6.30— Suite, "Louise" (Charpentier). 6.50—News. STOCKHOLM, English. 6.15—News. 6.30—Talk. STUTTGART, Trio in C (Brahms). 6.40—Baden Echoes.

TOULOUSE, 6.3—For Children.
6.40—Operetta Music. 6.50—
News. TURIN, News in Foreign
Languages.

VIENNA, 6.15-Light Orchestral.

WARSAW, Silesian Songs (arr. Nieze). Choir. Conductor: Noczo. 6.30—"Autumn" Light Music.

7 p.m.

ATHLONE, Sean C. Bowen (Tenor). 7.15—Debate in Irish. 7.30—

8.0

5.10 6.30

LIGHT CONCERTS
12.15 Radio-Paris

PRINCIPAL EVENTS

SYMPHONY CONCERTS
7.0 Prague: Phil. Orch., Teacher's Choir.
7.10 Kalundborg: Russian, Italian music.
7.20 Oslo: Schubert, Strauss, Bax.
7.30 Athlone: Conductor, Godfrey Brown.
7.30 Northern: Sir Hy. Wood, Myra Hess.
7.45 Deutschlandsender: Berlioz, Strauss, etc.

Scottish: Sir Donald Tovey.
Radio-Paris: Saint-Saëns, Fauré.
Hilversum (301.5 m.): Bruno Walter from the Concertgebouw Wagner.

Radio-Paris: French music.

Hilversum (301.5 m.): Conductor: Treep.

Deutschlandsender: Operetta music.

Sottens: French orchestral music.

Sottens: French orchestral music.

Hilversum (1,875 m.): Salon orchestra.

Warsaw: "Autumn."

Sottens: Choral concert.

Leipzig: Styrian folk music.

Bucharest: Radio orchestra.

Beromünster: Variety concert. Regional: Percy Grainger. Hilversum (301.5 m.): Treep, Zimbalist.

MONTE CENERI, Light Orchestral. 7.30—Sketch. MUNICH, Records. 7.30—"Prince Frederick of Ham-burg"—Play (Kleist).

OSLO, Topical. 7.20—Oslo Philhar-monic. Conductor: Kielland. Arthur Ask (Horn) (Schubert, Strauss, Bax).

PARIS (PTT), News. 7.25—Talks. 7.45—Pftc. POSTE PARISIEN, 7.6—News. 7.30—Talk. 7.35—Light Music. 7.50—Two Pftes. PRAGUE, Mácha Memorial Programme. Czech Philharmonic, Choire etc. gramme. Choirs, etc.

RADIO-NORMANDIE, Concert.
7.40—News. RADIO-PARTS, Records. 7.30—Review. 7.40—Reading. ROME, 7.5—News. 7.30—Talk. 7.40—Excepts, "Consuelo"—Opera (Rendano).

SOTTENS, "La Cécilienne" Choir. Conductor: Aeschbacher. Solo Voice, Violin. STOCKHOLM, Chopin Recital. Ignaz Friedman (Pfte.) 7.45—Play. STUTTGART, News. 7.10—Violin Records.

TOULOUSE, Light Music. 7.55— News. TURIN, 7.5—News. 7.30 —See Rome. 7.40—"Gente in treno"—Grotesque (Giannini),

OPERAS

6.0

9.30

6.10 70

8.0

9 20

PLAVS

DANCE MUSIC

RECITALS

CHAMBER MUSIC

Prague : Organ.

Vienna: Pianoforte.

LAST NEWS BULLETINS, see Monday

Nov. 5 THURSDAY

—Frères Jacasse. 8.25—Records. 8.40—Waltzes. PRAGUE, Mácha Programme (contd.). 8.30—Vojtek (Organ).

(Organ).

RADIO-NORMANDIE, Records. 8.20
—Variety. 8.40—Talk. RADIO-PARIS, Madeleine Drouot (Songs), Simone Jacsont (Pfte.). 8.30—News. 8.45—French Music. National Orchestra. Conductor: Inghelbrecht. Raugel Choir. (Saint-Saéns, Fauré). ROME, "Consuelo" (contd.). 8.50—Talk.

(contd.). 8.50—1atk.

8.35 — Military Band, Bugle.

STOCKHOLM, Play. 8.45—News.

STRASBOURG, 8.30—"La Surprise de l'amout"—Comic Opera
(Poise). STUTTGART, "Der
Zundelfrieder"—Play with Music
after Hebel (Faiss).

TOULOUSE, News. 8.10—Variety TURIN, "Gente in treno" (contd.). VIENNA, One-Act Plays: (a) "The Love Letter" (Avertschenko), (b)

8.30 Strasbourg: "La surprise de l'amour." 9.20 Cologne: "La serva padrona."

Stuttgart: C major Trio (Brahms). Budapest 1: Chamber orchestra.

Budapest 1: Bulgarian folk songs. Stockholm: Ignaz Friedman (pfte.). Warsaw: Paderewski music.

10.20 National: Schubert songs. 10.30 Munich: "Kreisleriana" (Schumann).

7.15 National: "Laburnum Grove."
8.0 Vienna: Three one-act plays.
9.25 Poste Parisien: "Le billet de loterie."

DANCE MUSIC
7.10, Hamburg, etc.; 9.15, Prague; 9.25, Warsaw; 9.30, Berlin, etc.; 9.55, Kalundborg; 10.0, Deutschlandsender, Vienna; 10.10, Hilversum (301.5 m.); 10.15, Turin; 10.25, Regional; 10.45, Radio-Paris; 11.0, Radio-Normandie; 11.15, National.

Deutschlandsender: Beethoven.

News. Hamburg. 9.20-Talk. 9.30-See

OSLO, Talk. Records. 9.15-Cabaret on

PARIS (PTT), Song Successes (contd.); at 9.30—Café Concert. POSTE PARISIEN, Waltzes. 9.25—"Le billet de Loterie"—Play (Alléhaut). PRAGUE and BRNO, News. 9.15—Dance Band.

RADIO - NORMANDIE, Concert-RADIO-PARIS, French Music (contd.). ROME, Opera Music. 9.45—Dance Music.

SOTTENS, Band, Bugle. STOCK-HOLM, Foreign Affairs. 9.20—Light Orchestra. STRASBOURG, Comic Opera (contd.). 9.45—Trémisot Concert. Orchestra and

TOULOUSE, News. 9.15—Fantasy. 9.45—Paris Programme. TURIN, Dopolavoro Choir.

VIENNA, Play (contd.). 9.10—News. 9.20—Emmy Zopf (Pfte.).

WARSAW, Paderewski (contd.). 9.10
—Records. 9.25—Dance Music.

10 p.m.

ATHLONE, Variety. 10.30—News; Light Music.

BERLIN and MOST GERMAN STATIONS, Dance Band. BRUS-SELS (1), News. 10.10—Records. BRUSSELS (2), News. 10.10— Records: Act I, "The Valkyrie" (Wagner). BUDAPEST (1), News (French, Italian).

COLOGNE, Opera (contd.). 10.20— Dance Band from Berlin.

DEUTSCHLANDSENDER, Dance,

EIFFEL TOWER, Concert.

FRANKFURT, See Hamburg. 10.30-

Records.

HAMBURG, Concert (contd.). 10.30
—Records. HILVERSUM (1.875
m.). Records; Bible Reading.
HILVERSUM (301.5 m.). Wagner (contd.). 10.10—A.V.R.O. Dance
Band. 10.40—News. 10.50— Dance Band.

KALUNDBORG, Dance Band KÖNIGSBERG, Records (contd.) LILLE, Orchestra, etc. (contd.). 10.30

MUNICH, See Hamburg. 10.30— Kreisleriana (Schumann) by Sonnen (Pftc.).

(Pfte.).
PARIS (PTT), Song Successes (contd.).
10,30—News. POSTE PARISIEN,
Concert. 10,30—Records.
RADIO -NORMANDIE, Concert.
RADIO-PARIS, French Music.
(contd.).
10.45—Dance Music.
ROME, News; Dance Music.

STRASBOURG, Trémisot Concert (contd.). 10.30—News (French, German). STUTTGART, See Hamburg. 10.30—Serenade on Records.

TOULOUSE, Paris Programme. 10.15—Light Music. 10.55—News. TURIN, News. 10.15—Dance Music.

VIENNA, News. 10.10-Dance Band,

11 p.m.

BUDAPEST (1), 11.5—News.
HILVERSUM (1,875 m.); Records;
Bible Reading. HILVERSUM
(301.5 m.), Band (contd.). 11.10—
Records.

KALUNDBORG, Chimes; Dance

Band.
RADIO-NORMANDIE, Dance Music.
11.30—From the Cabane Normande.
RADIO-PARIS, Dance Music.
11.15—Light Music—Pascal Or-

STUTTGART and FRANKFURT, Haydn and Mozart Records. TOULOUSE, Light Music. 11.55—

VIENNA, Dance Band, etc.

12 midnight

RADIO-NORMANDIE, Dance Music.
RADIO-PARIS, Light Music.
(contd.).
STUTTGART and
Records (contd.).

MONTE CENERI, Songs. MUNICII, TOULOUSE, 12.5—Light Music,

WARSAW, Light Music. 7.30— Report. 7.45—News, Topical.

DEUTSCHLANDSENDER, News. 7.15—Soprano, Pftes., Violin. 7.45—Orchestra, Organ, Pfte. (Berlioz, Burgstaller, Strauss).

FRANKFURT, News. 7.10-Dance

Band, etc.

HAMBURG, BERLIN, News. 7.10

—Dance Band, etc. HILVERSUM
(1,875 m.), Notes. 7.40—News.
7.50—Spangen's Choir. de Graaf
(Organ). HILVERSUM (301.5 m.),
Concert (contd.). 7.10—English.
7.40—News. 7.50—Nelson Revue.

7.40—News. 7.50—Nelson Revue.

KALUNDBORG, Talk. 7.10—Russian
and Italian Music. Symphony
Orchestra. Guest Conductor:
Malko. Roswaenge (Tenor).

KÖNIGSBERG, News. 7.10—
Demonstration for East Prussian
Culture Week. Station Orchestra.
Conductor: Mayer, and Addresses. LEIPZIG, News. 7.10—Styrian Folk Music and Dialect Programme.

VIENNA, Light Orchestral (contd.).

ATHLONE, Concert (contd.).

ATHLONE, Concert (contd.).

BEROMÜNSTER, Variety. BRATISLAVA, Opera (contd.). BRESLAU,

"Der Ruf vom anderen Ufer"—
Play (Ahlers). BRNO, Play (contd.).

BRUSSELS (1), Variety. BRUSSELS (2), Orchestra, Toutenel
(Baritone). 8.45—Talk. BUCHAREST and RADIO-ROMANIA,
Radio Orchestra. 8.30—News.
8.45—Orchestra. BUDA PEST (1),
Orchestra (contd.). 8.10—News.
8.30—Argentine Tango Orchestra.
COLOGNE, Variety.

DEUTSCHLANDSENDER, Orchestra (contd.).

EIFFEL TOWER, Home Affairs. 8.30—Concert.

FRANKFURT, Dance Band, etc.

HAMBURG, BERLIN, Dance Band, etc. HILVERSUM (1,875 m.), Choir, Organ (contd.). HILVERSUM (301.5 m.), Revue (contd.). 8.25—A.V.R.O. Orchestra, Zimbalist (violin). 8.50—Programme from Urk.

KALUNDBORG, Concert (contd.).

KÖNIGSBERG, Demonstration

LEIPZIG, Styrian Programme (contd.) LILLE, 8.30—Orchestra, Variety Items, Soprano.

MONTE CENERI, Contemporary French Chamber Music. 8.55— Songs. MUNICH, Play (contd.). OSLO, Orchestra. 8.40-News.

"The Proposal" (Tchekov), (c)
"In the House of Crime" (Bernard).
WARSAW, "Silhouettes of Polish
Composers" — Paderewski Recital
with Talk.

9 p.m.

ATHLONE, Concert (contd.), 9.20-For Golfers, 9.30-Variety.

BERLIN, BRESLAU, News. 9.30— Dance Band. BEROMÜNSTER, 9.5— News. 9.15— League of Nations. BRUSSELS (2), Orchestra, Violin. 9.35— Prayer. BUCHAREST and RADIO-ROMANIA, Orchestra. 9.45— News (French, German, Romanian). BUDAPEST (1), Orchestra (contd.). 9.45—Station Orchestra.

COLOGNE, News. 9.20—"La Serva Padrona"—Opera (Pergolesi).

DEUTSCHLANDSENDER, News; Topical. 9.30—Flute Sonata (Beethoven). 9.45—Weather. EIFFEL TOWER, Concert.

HAMBURG, FRANKFURT, STUTT-GART, News. 9.30—Hitler Youth Music Day Concert (Recorded). Conductors: Abendroth and Maasz. HILVERSUM (1,875 m.),

Conductors: Abendroth and Maasz. HILVERSUM (1,875 m.), Choir, Organ (contd.). 9.25—News. 9.30—Records. HILVER-SUM (301.5 m.), Programme from Urk. 9.10—Wagner Concert from the Concertgebouw. Conductor: Bruno Walter. KALUNDBORG, Concert (contd.). 9.15—News. 9.30—Reading. 9.55—Dance Band. KÖNIGSBERG, News. 9.20—Talk. 9.40—Records. LEIPZIG, News. 9.30—Zöllner Recital. Schrepper (Violin), The Composer (Pfte.). LILLE, Orchestra, etc. (contd.).

Fourth Symphony Concert. Dublin Symphony Orchestra. Conductor: Godfrey Brown. Dr. J. F. Larchet (Speaker), Jean Nolan (Soprano). 8 p.m.

(Speaker), Jean Nolan (Soprano).

BEROMÜNSTER, "L'Italiana in Londra" — Opera (Cimarosa).

BRATISLAVA, Opera (contd.).

BRESLAU, News. 7.10—Song Records.

BRNO, 7.30—"The Gipsies"—Play (Michâlek). BRUS-SELS (1), For Workers. 7.15—Records. 7.30—News. BRUSSELS (2), "A Village Fête"—Narrative with Records. 7.30—Talk.

BUCHAREST and RADIO-ROMANIA, Aida Helta (Songs). 7.25—Radio Orchestra. Conductor: Nottara. BUDAPEST (1).

Talk. 7.10—Berlin Chamber Orchestra. Conductor: von Benda.

Rome: Opera music.

9.45 Budapest I: Popular orchestral. 9.45 Strasbourg: Tremisot programme, 11.15 Radio-Paris: Pascal orchestra.

COLOGNE, News. 7.10-Variety.

EIFFEL TOWER, News. 7.20— Foreign Affairs. 7.45—News. 7.55—Home Affairs.

PARIS (PTT), Talks. 8.30—Old French Song Successes. POSTE PARISIEN, 6.5—Paul Reboux. 8.20

THURSDAY (November 5)

NATIONAL

For Time Signals, see Monday
10.15 a.m. (D)—Service.
10.30 (D)—Weather Forecast.
10.45—At Home To-day.
11.5—Gramophone Records.
11.30—For the Schools—Geography.
11.50—BBC Welsh Orchestra; Robert

11.5—Gramopnone Records.
11.30—For the Schools—Geography.
11.50—BBC Welsh Orchestra; Robert Davies (Baritone).
12.45 p.m.—BBC Singers (A).
1.15—Dance Records.
2.0 (ex. Scottish)—Herring Bulletin.
2.0. 3.15 (Scottish)—Herring Bulletin.
2.0. 3.15 (Scottish)—For the Schools—"Homes." 2.30—British History.
2.50—"Napoleon."
3.15—The Bournemouth Orchestra, conductor, Richard Austin.
4.45—Gramophone Records.
5.0—"The Gunpowder Plot."
5.15—Dance Orchestra.
6.0—The First News.
6.20—"This Way Out "—John Hilton.
6.40—BBC Dance Orchestra.
7.15—"Laburnum Grove," with Frederick Lloyd and Mary Jerrold.
8.30—"Freedom and the Law."
9.0—The Third News.
9.20—Orchestre Raymonde.
10.0—Mid-week Service.
10.20—Schubert—5. George Parker: Meeresstille, Der Fischer, Wanderers Nachtlied, Erster Verlust, An den Mond, Gebet während der Schlacht, Der Jüngling am Bache, Schwanengesang, Genügsamkeit, Geistergruss, Abends unter der Linde.
10.50—The Orpheus Trio.
11.15—Jack Jackson and his Band.
11.30—Dance Records.

REGIONAL

For Time Signals, see Monday 10.15 a.m.—Service. 10.30—Weather Forecast. 10.45—BBC Scottish Orchestra; Peggy Dow (Contralto).

Dow (Contralto).

11.50—Cinema Organ.

12.30 p.m.—Cinema Orchestra.

1.15—City of Birmingham Orchestra, Conductor, Leslie Heward.

2.0 (ex. Scottish)—Records.

2.0 (Scottish)—For the Schools. 2.5—News.; 2.20—Music. 3.0—History.

2.30 (ex. Scottish)—BBC Empire Orchestra.

2.0 (Scottish)—For the Schools. 2.5—News'; 2.20—Music. 3.0—History. 2.30 (ex. Scottish)—BBC Empire Orchestra. 3.0 (Western, Northern)—For Schools. 3.0 (ex. Scottish)—R.A.F. Band. 3.30 (Scottish)—Mid-week Service. 4.30—Jessie King (Contralto), Chamber Music Ensemble. 5.15—The Children's Hour. 6.0 (Regional, N. Ireland)—BBC Military Band; Tudor Davies. 6.0 (Midland)—Orchestra. 6.0 (Morthern)—Fetra Fielding Band. 6.0 (Western)—Fetra Fielding Band. 6.0 (Scottish)—Scottish C.W.S. Band; Adam Hogg (Bass-Baritone). 6.25 (Western)—Records. 6.30 (Northern)—"The Salmon Snatchers"—Esther McCracken. 6.40 (Western)—For Farmers. 6.40 (Scottish)—"Multum in Parvo." 7.0—The Second News. 7.20—Regional Announcements. 7.25 (Midland)—Eye-Witness Account, Warwickshire v. East Midlands. 7.30 (Regional, Midland, N. Ireland)—"Radio Pie."
7.30 (Western)—Talk: "The Health of the Country."
7.30 (Northern)—The Hallé Concert; Myra Hess (Pfte,), Hallé Orchestra, conducted by Sir Henry Wood. 7.30 (Scottish)—Piping. 8.0 (Western)—"Home-Spun"—A Microphone tour of the Penmachno Woollen Mill, in Wetsh. 8.0 (Scottish)—Reid Orchestral Concert. Sir Donald F. Tovey. 7.15 (Northern)—"During the Interval."

Grainger.

8.15 (Northern)—" During the Inter-

8.15 (N. Ireland)—Orchestra; William Boyd (Tenor). 8.35 (Western)—Gramophone Re-

8.45 (Western)—Account of Bridg-water Guy Fawkes Carnival.

water Guy Fawkes Carnival.

9.0 (Western)—Song Recital.

9.0 (N. Ireland)—Account of Ulster Industries Exhibition at Armagh.

9.0 (Scottish)—"Some Guy"—Revue.

9.10 (N. Ireland)—"Village Opinion."

9.20 (Scottish)—Scottish News.

9.30 (ex. Midland, N. Ireland)—The Gunpowder Treason.

9.30 (Midland, N. Ireland)—Variety.

10.0—News Summary.

10.0—News Summary. 10.25—Dance Music. 11.30—Late News Summary 11.40—Reading.

Hours of Transmission in Greenwich

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

1.30-2.30 p.m.—Time; Weather; Stocks; Records. 5.30—Children's Hour. 6.15—Spanish Dance Records. 6.35—Irish News Feature. 6.45—Weather; Stocks; News; Time. 7.0—Popular Songs by Sean C. Bowen (Tenor). 7.15—Debate in Irish between Sean O'Loinsigh and P. O'Morain. 7.30—Fourth Search Country of the P. O'Morain.

P. O'Morain.

7.30—Fourth Symphony Concert by the Dublin Symphony Orchestra. Conductor: Godfrey Brown. Dr. J. F. Larchet (Speaker). Jean Nolan (Soprano). Overture, 'La Clemenza di Tito" (Mozart). Symphony No. 7 in C (Schubert). Songs. Intermezzo and March from the Karelia Suite (Sibelius). Overture, Di Ballo (Sullivan). Military March in D (Schubert-Sir Henry Wood).

9.20—For Golfers only. 9.30—

Overfure, Military March ... Sir Henry Wood). 9.20—For Golfers only. 9.30— Variety. 10.30—What happened to-day; Light Music. 11.0—National

BANSKÁ-BYSTRICA

(Czechoslovakia) 392 kc/s (765 m.); 30 kW. Relays Czechoslovak Stations.

BERLIN (Germany)
841 kc/s (356.7 m.); 100 kW.
Transmits at intervals from 5.0 a.m.
11.0 a.m.-12.45 p.m.—See Munich.
12.45—Music. 1.0—News. 1.15—
Michalek Band. 2.0—Exchange; Markets.

3.30—" Good Companions"—Music and Talks.

.0—Vocal and Instrumental. Soprano Songs (Unger). Pfte.: Orchideen (Luig).

4.30—Songs by the "Sturmfalken." 5.0—Records, 6.0—Talk: Swimming, 6.15—Violin Sonata in C minor (Grieg), 6.45—Evening Echoes, 7.0— News.

7.10—See Hamburg. 9.0—News; 9.30-11.0-Station Dance Band.

BEROMÜNSTER

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

5.30-6.0 a.m.—Gym; Weather. —Trio. 11.29—News. 11.40 a 12.45 p.m.—Sextet. 3.30-5.0—See Sottens.

5.50—Music. 5.30—Orchestra. Conductor: Gilbert. 6.0—Traffic Report. 6.5—Medical Talk: Colds. 6.30—News. 6.40—Talk: Wholesalers and 7.0-"L'Italiana in Londra"

7.0—"L'Italiana in Londra"—One-Act Opera (Cimarosa), Zürich Radio Orchestra. Conductor: Hofmann. 8.0 (from Berne)—Varicty. 9.5— News. 9.15-9.35—Weather; League of Nations Report.

BRATISLAVA

(Czechoslovakia) 1,004 kc/s (298.8 m.); 13.5 kW.

Transmits at intervals from 5.15 a.m.
4.30 p.m.—Wind Quintet (Moyzes).

4.30 p.m.—wind Quintet (Moyzes).
5.0—Hungarian Transmission: Legal
Talk; Gasparek (Violin). Nocturne
(Chopin-Milstein). Slav Dance.
(Dvořák-Kreisler). Mazurka (Hubay). Folk Songs (Bartok-Szigeti);
For Workers.
5.45 Navy 6.10 Garman Jasson.

5.45—News. 6.10—German Lesson. 6.25—Quartet.

6.30—"The Merry Wives of Windsor"—Opera (Nicolai), from the Slovak National Theatre. Conductor: Vincourek. 9.0—News; Review; Sports. 9.15—News in Hungarian. 9.30-10.0—Band from Prague.

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, Dance Band; at 12.0 noon—News. 1.0 p.m.—

at 12.0 Book—From Deutschlandsender.
1.15—Variety from Deutschlandsender.
2.0—Markets. 3.0—For Mothers.
3.20—Old Music for Two Flutes and Harpsichord (W. F. Bach, Quantz).
3.40—Topical. 4.0—Light Orchestral.

5.50—Announcements. 6.0—Sequence of Reports: Silesian Roads. 7.0—

-" Old Favourite Songs" (Re-

8.0—" Der Ruf vom anderen Ufer "-Play (Ahlers). 9.0—News. 9.30-11.0-See Berlin.

BRNO (Czechoslovakia)

BRNO (Czechoslovakia)
922 kc/s (325.4 m.); 32 kW.
Transmits at intervals from 5.15 a.m.
6.25 p.m.—Old Songs by the Opus
Choir. 7.0—Talk: Building a House.
7.15—Cervinková (Soprano). Three
Songs (Jirak). Two Songs (Foerster).
7.30—"The Gipsies"—Play (Michálek) after Mácha's Novel. 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. 12.0 noon—Records. 12.30 p.m.—Light Orchestral. Conductor: Walpot. 1.0—News. 1.10—Records. 2.0 Art Notes

pot. 1.0—News. 1.10—Records. 2.0
—Art Notes.

4.55—News. 5.0—Records: Finale from "The Symphony of Psalms" (Stravinsky). Czecho-Slovak Folk Music. 5.30—For Children. 6.0—Music Lesson. 6.30—Records. Part I. Excerpts, "The Tuppenny-halfpenny" Opera (Weill). Part II. Five Waltzes. 7.0—For Workers. 7.15—Song and Dance Records. 7.30—News.

8.0—Variety. Part I. Records. Part II. Frédéric Anspach (Songs). Cavatina (Bizet). Complainte (Rabaud). Aubade (Lalo). Part III. Records. Part IV. Rossini and Verdi Arias by Mile. Stany Paillot. Part V. Records.

9.0—Talk: Alcoholism.

9.0-Talk: Alcoholism.

.0—Talk: Alconolism.
.15—Variety, Part I. Records,
Part; II. René Costy (Violin),
Part III. Records. Part IV. Proses
lyriques (Debussy), by Frédéric
Anspach. 10.0—News. 10.10-11.0
—Records.

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

Programme in Flemish.

Programme in Flemish.
6.37-9.0 a.m.—Records; News; Gym.
12.0 noon—Records, 12.30—Weather,
12.31—Brenders Dance Band.
12.45—Cabaret.
12.55—Brenders Dance
Band.
1.0—News.
1.10—Light
Orchestral.
Conductor: Walpot.
1.30—Cabaret.
1.40—Records.
2.0—Shinning. Shipping.

News. 5.0-Records. 4,55—News. 5,0—Records. 5,45— For Children. 6,30—Flemish Song Records. 6,45—Talk: The Approach-ing Art Exhibition at Antwerp. 7.0— "A Village Fete"—Narrative with Records. 7,30—Tourist Talk.

Records. 7.30—Tourist Talk.

8.0—Concert from the Royal Conservatoire, Ghent. Station Orchestra. Conductor: Douliez. Toutenel (Baritone). Overture, "The Thieving Magpie" (Rossini). Four Pieces (d'Ambrosio). Baritone: (a) Two Gipsy Melodies (Dvořák), (b) Abendlied (Schubert), (c) Mijn moederspraak (Benoit). Glowworm Gavotte (Lincke). Violins: Scènes de bal (Mayseder).

8.45—K.A.J. Talk.

9.0—Concert (contd.). Misson (Violatical Consert (Contd.).

8.45—K.A.J. Talk.
9.0—Concert (contd.). Misson (Violin). Vlennese Music. Overture,
"Die Fledermaus" (Strauss). Violin Solos (Kreisler): (a) Caprice
viennois, (b) Schön Rosmarin. Selection, "A Waltz Dream" (Straus).
Songs: (a) From "Fanny Elssler"
(Strauss), (b) Vienna, City of My
Dreams (Sieczynski). Waltz, "The
Dollar Princess" (Fall). Viennese
Operetta Potpourri (Hruby).
955—Prayer 10 (D. News

9.55—Prayer. 10.0—News. 10.10-11.0—Records: Act I, "The Valkyrie" (Wagner).

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 4.30 a.m.
4.0 p.m.—Julea Orchestra; at 5.0, Time; Markets; Topical. 6.0— Educational.

6.20—Records of Cortot (Pfte.). 6.45—Books.

Books.
7.0—Aida Helta (Songs). Aria,
"Alceste" (Gluck). Ave Maria
(Gounod). Arias, "Die tote Stadt"
(Korngold), "Madame Butterfly"
(Puccini).

(Puccini).
7.25—Radio Orchestra. Conductor:
Nottara. Overture, "Phèdre"
(Massenet). Ballet, "Lazy John"
(Nedbal). Serenade (Schumann).
Dance, "La Gioconda" (Ponchielli). Angélus (Debussy). Dance,
"The Bartered Bride" (Smetana).
8.30—News; Sports. 8.45—Marcu
Orchestra. 9.45—News (French,
German, Romanian)

BUDAPEST (No. 1) (Hungary)
546 kc/s (549.5 m.); 120 kW.
Transmits at intervals from 5.45 a.m.
11.5 a.m.—Sáray Cigány Band. 12.30
p.m.—Béla Endre Vocal Ensemble.
3.15—For Housewives. 4.0—For
Gardeners. 4.30—Dance Records.
5.40—Talk. 6.10—Bulgarian Folk
Songs by Dorita Boneva. 6.40—
Talk: Life in a Paris School. 7.10—
Berlin Chamber Orchestra. Conductor; Hans von Benda. 8.10—
News. 8.30—Argentine Tango Orchestra.
9.45—Station Orchestra. Overture

Chestra.

9.45—Station Orchestra. Overture
(Auber). Waltz Song, Fata
Morgana (Dienzl). Polonaise in A
(Chopin). Suite (Coleridge-Taylor). Viennèse Operetta Pot-pourri (Hruby). Waltz (Feberváry).
Viennese Song (Zakál). Norwegian
Dances (Grieg).

10.0—News (French, Italian). 11.5--

BUDAPEST (No. 2) (Hungary) 359.5 kc/s (\$34.5 m.); 18 kW. 4.0 p.m.—Talk. 5.10—English Lesson. 5.40—Records. 6.10— Talk. 6.40—Records. 7.20—News. 7.55—Cigány Band.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Light Orchestral. 12.0 noon

—News.

12.15 p.m.—See Munich. 12.45—
Music. 1.0—News.

1.15-2.0—Variety from Deutschlandsrender. 2.45—Markets. 3.0—Light Orchestral. 4.15—Books. 4.30—
"Germans at Home and Abroad"

Talks with Records. 5.30—Records; at 6.0: Topical. 6.45—Snapshots.

at 6.0: Topical. 6.45—Snapshots. 7.0—News. 7.10—Variety. Part I. "Out of the Mouth of Babes. . ." (arr. Lacroix). Station Orchestra, Matern (Tenor), etc. Part II. Station Dance Band. 9.0—Time; News; Sports. 9.20—"La Serva Padrona"—Opera (Pergolesi). Conductor: Breuer. 10.20-11.0—Dance Band from Berlin.

DEUTSCHLANDSENDER

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

1.0—Variety, 2.0—Exchange; Announcements, 2.15—For Mothers, 2.45—Old Songs by Fincke (Tenor), 3.0—Operetta Music, 3.50—Reading, 5.0—Old and New Songs by the Station Chamber Choir, 5.30—Talk, 5.45—Sports

Sports.
6.0—" Something for Everyone "—
Records. In the interval; "Domestic
Seene "(Bock). 6.45—Topical. 7.0—
News. 7.15—Mela Gilbert (Soprano),
Haentzschel and Pichl (Pftes.), Saenger (Violin).

(Yubin).
7.45—Siation Orchestra. Conductor:
Stange. Drwenski (Organ). Narath
(Pfle.). Overture, "Benvenuto
Cellini" (Berlioz). Tone Poem
(Burgstaller). Don Juan (Richard
Strause) 9.0-News : Topical.

9.30—Flute, pfte. Sonata (Beethoven). 9.45—Weather. 10.0-11.0-Dance Records.

FRANKFURT (Germany)
1,195 kc/s (251 m.); 25 kW.
Retayed by Cassel, Coblenz, Freiburg and Trier, 1,195 kc/s (251m.).
Transmits at intervals from 5.0 a.m.
11.0 a.m.-12.45 p.m.—See Munich.
12.45 — Music. 1.0 — News. 1.10—
Records. 2.0—Talk on Petroleun;
Markets. 2.15—For Children.
3.0 (from Cohlenz)—"A Musical
Rhine Trip." 4.30—An Appreciation
of Modern Authors (Müller). 4.45—
Talk: Burdach.
5.0—See Königsberg.

5.0—See Königsberg.

5.0—See Königsberg.
6.0 (from Freiburg)—Excerpts,
"Festival Oratorio" (Handel) for the
Inauguration of the New Festhalle,
Lahr. 6.40—Topical. 6.55—Announcements. 7.0—News.
7.10—Hauck Dance Band and others.
9.0—Time; News; Sports.
9.30—See Hamburg. 10.30—"Con
Fuoco"—Instrumental Records.
11.0 p.m.-1.0 a.m. (Friday)—See
Stuttgart.

11.0 p.i 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 5.15 a.m. 11.0 a.m.—Shipping; Weather.
11.10 a.m.-12.45 p.m.—Music fr
Munich. At 12.0: News. 12.45—Mu
1.0—News. 1.20—Music. 2.0—J 1.0—News. 1.20—change; Shipping. 2.0-Ex-

30—Records of Dusolina Giannia ioprano). 3.0—Drechsel and Ragot-cy Bands. 4.0—Variety from the heatre World. 4.45—Talk: Cali-

5.0—See Königsherg. 5.45—Shipping. 5.0—" Takeltüch"—Dialect Play (Bellmer). 6.45—Report: Gliding. Bellmer). 7.10-Station Dance Band, etc. 9.0-

7.10—Station Dance Basis, News.
9.30—Hitler Youth Music Festival (Recorded). Conductors: Abendroth and Maasz Concerto grosso (Bresgen). Tafelmusik (Schäfer). Heilig Vaterland (Spitta).
10.30—German Overtures (Records).

HILVERSUM (1,875 m.)

160 kc/s; 10 kW until 2.40 p.m.; 100 kW from 2.40 p.m.; 7.40-8.55 a.m.—K.R.O. Programme.

7.40-8.55 a.m.—K.R.O. Programme. Records.
9.40-10.40 — N.C.R.V. Programme. Records and Religious Programme.
10.40 a.m.-1.40 p.m.—K.R.O. Programme.
10.40 - Records.
11.10—Religious Address.
11.40—Police Messages; K.R.O. Orchestra. Conductor: van 't Woud. In the intervals, Records.
1.40 till Close Down—N.C.R.V. Programme.
1.40—Hobbies.
2.40—Records.
2.55-3.25—For Women.
3.40—Bible Reading.
4.40—For Children.

5.10—Bible Reading, 4.40—For Children. 5.10—Amsterdam Salon Orchestra, Conductor: Kiekens. 6.25—Talk; News; Press Review; Report. 7.40

News. 9.30-11.10—Records; Bible Reading.

HILVERSUM (301.5 m.)

HILVERSUM (301.5 m.)

(Holland).

995 kc/s; 15 kW until 2.40 p.m.;
60 kW from 2.40 p.m.
A.V.R.O. Programme.
7.40 a.m.—Records.
9.55—Records.
10.10—van Egmond (Organ), v.d.
Woude (Violin). 10.55—Staalman (Recitations). 11.25—A.V.R.O. Orchestra. Conductor: Treep. 12.10
p.m.—Records. 12.25—A.V.R.O. Orchestra. Conductor: Treep, and
Records. 1.40—For Women. 2.10—
Records. 1.40—For Women. 2.10—
Records. 2.45—Sewing and Embroidery. 3.25—Records. 3.40—
For Hospitals. 4.10—Records. 4.30—
Play for Children.
5.10—Palla (Organ), Drukker (Violin),

Play for Children.
5.10—Palla (Organ), Drukker (Violin),
Smedes (Tenor). 6.10—Sports. 6.40—
For Children. 6.45—Concert by the
"Staalsmeesters." 7.10—English Lesson. 7.40—News.
7.50—Nelson Revue, from "La
Gaîté," Amsterdam. 8.25—A.V.R.O.
Orchestra. Conductor: Treep. Zimbalist (Violin). 8.50—Programme from
Urk.

balist (VIOIII): 0.50-Urk.
9.10—Wagner Concert from the Concertgebouw, Amsterdam. Conductor: Bruno Walter.
10.10—A.V.R.O. Dance Band.
10.40—News. 10.50—A.V.R.O. Dance-Band. 11.10-11.40—Records.

KALUNDBORG (Denmark)

KALUNDBORG (Denmark)

240 kc/s (1,250 m.); 60 kW. Relays
Copenhagen, 1,176 kc/s (255.1 m.).
Transmits at intervals from 6.0 a.m.

11.0 a.m.-1.0 p.m.—Bendix String
Ensemble. 2.D—Julian Orchestra from
Aalborg. 3.5—For Boys. 3.50—Announcements. 3.56—Poem. 4.0—Talk:
Belgian Miners. 4.25—Weather. 4.40
—Exchange; Markets, 4.50—Records. 5.0—Skjoldborg (Banjo). 5.15
—Weather. 5.25—English Lesson.
6.0—News. 6.15—Talk. 6.45—Talk:
Wireless and Aviation.

7.10—Seventh Thursday Concert from
the State Broadcasting Building.
Radio Symphony Orchestra. Guest
Conductor: Malko. Helge Roswaenge (Tenor). Part I: Russian
Music. Symphony in B minor—
the Pathetic (Tchaikovsky). Ten
Minutes Interval. Part II: Italian
Music. Arias, "Alda" (Verdi), and
"Tosca" (Puccini). Sarabande
Gigue and Badinerie (Corelli)
Arias, "Turandot" (Puccini). Overture, "William Tell" (Rossini).
9.15—News. 9.30—Reading.
9.55-11.30—Skjoldborg Dance Band
at 41.0: Chimes.

KÖNIGSBERG (No. 1)

KÖNIGSBERG (No. 1) Heilsberg) (Germany). 1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.). ransmits at intervals from 5.0 a.m. 1.0 a.m.-12.45 p.m.—See Munich

12.45—Music. 1.0—News. 1.10— Tark: Stijn Streuvels.

1.25—Variety from Deutschlandsender. 2.0—"Autumn"—Musical Pro-

.25—Liban Chamber Music. Autumn ongs. Chamber Serenade.

Songs. Chamber Serenade.
2.55—Light Orchestral. At 3.30—
Periodicals. 4.20—Sketch. 4.40—
For Farmers.
5.0—Börschel Band, etc.; at 6.0—
Announcements. 6.45—Topical. 7.0—
Natur

News.
7.10—Demonstration for East Prussian Culture Week, from the Town Hall. Station Orchestra. Conductor: Mayer. Festival Prelude (Ehrenberg). Address by Herr Moraller. Concerto grosso in C (Handel). Address by Herr Koch. Overture, "The Mastersingers" (Wagner). Address by Herr Paltzo. National Anthems.
9.0—News; Sports. 9.20—Legal Talk.
9.40.11.0—Light Music and Dance

9.40-11.0—Light Music and Dance Music on Records.

LEIPZIG (Germany)

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

(233.5 m.).
Transmits at intervals from 5.0 a.m.
11.0 a.m.-12.45 p.m.—See Munich.
12.45—Music. 1.0—News.
1.15—Varietyfrom Deutschlandsender.
2.0—For Women. 2.40—Books. 3.0—Records. 4.0—Exchange. 4.10—Talk: Kepler. 4.30—Music. 4.40—Talk: Infantry Regiment No. 73.

Fair: Infanty Regiment No. 7.5.0.—Peasant Dances and Songs by Boys and Girls. 5.50—Call of Youth. 6.0 (from Dresden)—"Fürstenblut für Ochsenblut "—'Play (Gilbricht). 6.55—Review. 7.0—News. 7.10—Styrian Folk Music and Dialect Programme. 9.0—News; Sports.

9.30—Zöllner Recital by Schrepper (Violin) and the Composer (Pfte.). Fantasia. Elegy. Fragments.

10.0-11.0—Dance Band from Berlin.

LILLE (Radio PTT Nord)

(France) 1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.50 a.m. 8.30 p.m.—Station Orchestra. Conductor: Soret. René Rucart (Variety Items), Julia Bossut (Soprano). 10.30—News.

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

Transmits at intervals from 11.0 a.m. 6.45 p.m.—News. 7.0—Light Music by the Bob Engel Orchestra. 7.30—"Fidanzati, non Bisticciatevi"—Sketch (Calgari).

—Sketch (Calgari).

8.9—Contemporary French Chamber
Music. Overture (Poulenc). Concerto for Orchestra (Roussel).
Actualities (Milhaud). Impressions
parisiennes (Ibert).

8.55-9.15—Bice Leni (Popular Songs).

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.—Dance Band. 12.0 noon—News. 12.15 p.m.—Light Orchestral. 12.45—News.

12.45—News.

1.0-2.0—See Deutschlandsender, 3.0—For Farmers, 3.10—Hohlbaum reads, 3.30—Song Cycle (Scherber), 4.35—Talk: Madrid, 4.50—For Farmers, 5.0—Light Orchestral, 6.0 (from Nürnberg)—"Serenade to Triesdorf"—Musical Play of the Romantic Period (Schaeff-Scheefen, Music arr. Feist), 6.45—Talk: Prof. Buchner, 7.0—Records.

7.0—Records.
7.30—"Prince Frederick of Homburg"—Five-Act Play (Kleist). 9.0—Time; News. 9.20—Talk: Traftic Accidents.
9.30—See Hamburg.

10.30-11.0—Kreisleriana (Schumann) by Sonnen (Pfte.).

OSLO (Norway)

260 kc/s (1,153.8 m.); 60 kW. Relayed by Fredrikstad, 776 kc/s (386.6 m.); Notodden, 1,357 kc/s (221.1 m.); Porsgrund, 850 kc/s (352.9 m.); Riukan, 1,348 kc/s (222.6 n.); and Trondelag, 629 kc/s (476.9 m.)

kc/s (476.9 m.) Transmits at intervals from 10.40 a.m. 5.0 p.m.—Service. 5.25—Nordsjö Vocal Quartet. 15.50—News. 6.30 —Time; Records. 6.35—Industrial Review. 7.0—Topical;

7.20—Oslo Philharmonic....Conductor: Kielland. Arthur Ask (Horn). Entr'acte Music, "Rosamunde" (Schubert). Horn Concerto in F (Strauss). Symphony in E flat minor (Bax).

8.40—News, 9.0—Topical. 9.15-10.0—Cabaret (Records).

PARIS (Eiffel Tower) (France)

1,456 kc/s (206 m.); 5 kW. Transmits at intervals from 8.0 a.m. 7.0 p.m.—News. 7.20—F Affairs. 7.45 — News. 7.20—F 7.20—Foreign ws. 7.55—

PARIS (Poste Parisien) (France)

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. The International Orchestra.
12.20—Silly Symphony. 12.35—
Exchange. 12.39—Variety. 1.36—
Records. 1.50—Film Notes. 2.0,
3.45, and 4.35—Exchange.
6.0—Call. 6.2—Talk. 6.9—Records.
Sonata (Saint-Saëns). 6.30—Exchange. 6.35—For Children. 7.6—
News. 7.30—Legal Talk. 7.35—
Light Music. 7.50—Wiener and Doucet (Two Pfes.). 8.5—Paul Reboux. 8.20—Frères Jacasses. 8.25—
"Bearn"—Records. 8.40—Waltzes.
9.25—"Le billet de Loterie"—Play (Alléhaut). 10.0—Concert. 10.3011.0—Records: Light Music.

PARIS (PTT) (France)

695 kc/s (431.7 m.); 120 kW.
Transmits at intervals from 6.50 a.m.
6.0 p.m.—Gaston Litaize (Organ),
from the "Schola Cantorum." 6.30—
News. 7.25—Talk; Hygiene and
Sport. 7.38—Talk.

Sport. 7.38—Talk.
7.45—Motte-Lacroix (Pfte.). Sousbois (Chabrier). Idyll (Chabrier). Bourrée Ronde (Roussel).
8.0—Talk. 8.15—For Youth. 8.25—Aeronautics. 8.30—Old French Song Successes presented by Danerty. Orchestra. Conductor: Chobillon, and Artists; 9.30—Café Concert. 9.45—Old French Song Successes (contd.). In the interval, Talk. 10.30—News.

PARIS (Radio-Paris) (France)

PARIS (Radio-Paris) (France)

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

6.45 a.m.—Gym.; Records. 7.15—
News; Gym. 8.0—German Lesson.

8.20—Records. 8.30—For Housewives. 9.0—For Scouts. 9.30—Léonce
de Saint Martin (Organ). 11.0—
French Music, Orchestra. Conductor:
Archaimbaud. 11.30—For Farmers.

11.45—Protestant Address. 12.15 p.m.
—French Music (cond.). Léonore
Humbert (Songs); at 12.45: Review;
News. 2.0—Talk: Sicily. 2.15—
Talk: North African Authors.

2.30 — Mephistopheles in Music
(Records). 3.0—Markets; Records.

3.30—Reading (Rilk). 3.45—Talk:
Legends of Annam. 4.0—Hahn
Records.

4.30—English and American Music

4.30 English and American Music (Records).

Records).

5.0—Development of the Social Satire. IV. "Les Visionnaires" — Five-Act Comedy in Verse (de Saint-Sorlin). 6.45—Medical Talk. 7.0—Records. 7.30—Review. 7.40—Reading (Lintier).

Reading (Lintier).

8.0—Madeleine Drouot (Songs),
Simone Jacsont (Pfte.). Part I.
Songs. Promenade à mule (Fourdrain). Indian Serenade (Hartmann). Songs (Hue); (a) La
Fiancée du Roi, (b) Le Bonnet de
la Meunière. Désespérance (Levadé). Les roses et les muguets (Busser). Part II. Pfte. Bourrées (Bach). Le bavolet flottant (Couperin, Sen.). Arabesque (Debussy).

Rigaudon (Ravel). 8.30—News.

8.45—French Music. National Or-

Rigaudon (Ravel). 0.30—News.
8.45—French Music. National Orchestra. Conductor: Inghelbrecht. Raugel Choir. Symphony
with Organ (Saint-Saëns). Excerpts, "Penelope" (Fauré).
10.45—Dance Music—Pascal Orches-

11.15 p.m.-12.15 a.m. (Friday)—Light Music, Pascal Orchestra. Au printemps (Gounod). Marche des sous-officiers (Faidey). Ukrainian Melodies (Ferraris). Moment musical (Schubert). Cuckoo (Branga). Les papillons (Berger).

PRAGUE (Czechoslovakia)

PRAGUE (Czechostovakia)
638 kc/s (470.2 m.); 120 kW.
Transmits at intervals from 5.15 a.m.
6.0 p.m.—News. 6.10—German Lesson. 6.25—Salon Quartet. 6.55—
Talk on the following Concert.
7.0—Karel Mácha Memorial Programme from the Smetana Hall.
Czech Philharmonic, Prague Teach-

ers' [Choir, Conservatoire Speak-ing Choir. Conductor: Jirák. Otava (Baritone) and Reciters. Symphonic Poem, Vysehrad (Sme-tana). Talk. Poems (Madra). May (Foerster). Symphonic Poem, Vltava (Smetana).

8.30—Vojtek (Organ). 9.0—Time; News. 9.15-10.0—Milinovsky Dance Band.

RADIO-NORMANDIE

RADIO-NORMANDIE

(France)

1,113 ke/s (269.5 m.); 15 kW.

7.0 a.m.—Military Music; at 7.10:
News. 8.0—Jack Savage and hisCowboys. 8.15—Records. 8.30—
Light Music. 8.45—Records. 9.0—
Dance Music. 9.15—Records. 9.30—
Light Music. 9.45—Songs. 10.0—
Sacred Music from Lisieux. 11.0—
Chansonnettes. 12.0 noon—Choirs.



Codfrey Brown, who conducts Athlone's Symphony Concert at 7.30 p.m.

12.20 p.m.—Military Music and Choir. 12.40—News. 1.0—For Children. 2.30—Sacred Music from Lisieux. 3.30—Records. 3.45—Concert. 4.45—For Children. 5.0—Records. 5.15—Light Music. 5.30—London Music. 5.45—Light Music. 6.0—Symphony Orchestra. 6.30—Talks; Racing. 7.0—Concert. 7.40—News. 8.0—Records. 8.20—Variety. 8.40—Talk.

8.40—Talk.

9.0—Concert. Symphonic Prelude Réverie (Ketelbey). March, "Lohengrin" (Wagner). Overture, "Le nouveau Seigneur du Village" (Boiedieu). Meditation (Sporck). Two Hungarian Dances (Brahms). The Japanese Screen (Ketelbey). Waltz (Wesley).

11.0—Dance Music. 11.30—From the Cabane Normande. 12.0 m't-1.0 a.m. (Friday)—Dance Music.

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

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. 4.15—Trio (Pizzetti).
4.55-5.—Talk. 5.50—Dopolavoro Notes. 6.0—Records; Announcements and Talk (Spanish). 6.20—News in Foreign Languages. 7.5—Time; News.
7.30—Talk. The War in Ethiopia.
7.40—Excerpts, "Consuelo"—Opera (Rendano). Conductor: Morelli. Chorus Master: Costantini. Cast; Maria Persula, Mazziotti, Conti, Meletti, Gualda Caputo and Agnese Dubbini. 8.50—Talk.
9.0—Opera Concert. Conductor: Morelli. Overture, "Maria di Rohan" (Donizetti). Nocturne, "Silvano" (Mascagni). Intermezzo, "I'quattro rusteghi" (Wolf-Ferrari). Intermezzo, "Silberia" (Giordano). Overture, "The Force of Destiny" (Verdi).
9.45-11.0—Dance Music; at 10.0—

9.45-11.0-Dance Music; at 10.0-

SOFIA (Bulgaria) 850 kc/s (352.9 m.); 1 kW. Transmits at intervals from 10.0 a.m. 5.0 p.m.—Light Music. 5.20—

Symphony Music. 5.35—Songs. 6.10
—Radio Review. 6.30—Variety
Concert. 6.40—Talk.

Concert. 0.40—141k.
6.55 — Excerpts, "Faust" — Opera
(Gounod). Opera Orchestra and
Singers. 8.0—Light Orchestral; at
8.35: Notes. 8.40-10.0—Light Music
and Dance Music.

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

(/48 m.). 11.0 a.m.-12.45 p.m.—Sec Bero-münster; at 11.30: News. 3.30-5.0—From-Geneva.

münster; at 11.30: News.
3.30-'Cello Suite (Bach), by Henri
Honegger. 3.50-Rosy Saron (Pfle.).
4.20-The dansant.
5.0-French Music. Radio Suisse
romande Orchestra. Conductor:
Appia. (Rhené-Baton, Guiraud,
Saint-Saëns.) 5.30-For Women.
5.50-Suite, "Tom Jones" (German).
Conductor: Appia. 6.0-Markets.
6.10-For Farmers.
6.30-Suite, "Louise" (Charpentier)
Conductor: Appia. 6.50-News.
7.0-Concert from La Chaux-deFonds. "La Cécilienne" Choir,
Conductor: Aeschbacher, Caro
Faller (Songs), Schmidt (Violin).
Part I. Old Music, Songs for
Choir (Hassler, Eccard). Arias
(Handel, Carissimi). Violin Sonata
(Handel, Part II. Contemporary
Swiss Music. L'amour de moi.
(Mattioli). C'est pour vous (Mathey). Songs (Jaques-Dalcroze).
Movement, Sonata in B flat (Huber).
Cantabile (Aeschbacher). Songs for
Choir (Aeschbacher). Songs for
Choir (Aeschbacher). S.20-Literary
Interlude.

8.35-9.15—Popular Music from La Chaux-de-Fonds. Military Band with Matthey (Bugle)

STOCKHOLM (Sweden)

704 ke/s (426.1 m.); 55 kW. Relayed by | Motala, 216 kc/s (1,389 m.); Göteborg, 941 ke/s (265.3 m.), Hôrby, 1,131 kc/s (765 m.).

(765 m.).

Transmits at intervals from 6.20 a.m.

4.5 p.m.—Religious Address. 4.30—
Children's Letters. 4.50—Records.

5.45—English Lesson. 6.15—News.

6.30—Talk: Children.

7.0—Chopin Recital by Ignaz Friedmann, from the Royal Academy of Music. Polonaise in B flat. Sonata in B minor.

-Play. 8.45-News. 9.0-Foreign

9:20-10.0-Light Music by the Septi-(20-10.0—Light Music by the Septiman Orchestra. Hymn to the Sun (Peterson-Berger). The Dancing Mymph (Peterson-Berger). Pieces (Akerberg): (a) Sarabande, (b) Minuet, (c) Gavotte. Miniatures (Björkander). Romance (Wohlfart). Valse d'amour (Nordqvist).

STRASBOURG (France)

859 kc/s (349.2 m.); 100 kW.
Transmits at intervals from 6.45 a.m.
8.30 p.m.—" La Surprise de l'amour "
—Two-Act Comie Opera (Poise).
Conductor: de Villers.

Onductor: de Villes.

9,45 (approx.)—Trémisot Concert.
Orchestra and Artists. Conductor:
de Villers. Overture, "Pyramus
and Thisbe." Scene, "Nausicaa."
Symphonic Poem, Icare. 10.30—
News (French, German).

STUTTGART (Germany)
574 kc/s (522.6 m.); 100 kW.
Transmits at intervals from 5.0 a.m.
11.0 a.m.-12.45 p.m.—See Munich.
12.45—Music.

1,0-2.0—See Deutschlandsender. -Sketch for Women (Schlenker), 3.0—See Deutschlandsender; at 3.50: Youth Programme, 4.45—Talk.: Garden Pests, 5.0—See Königsberg.

5.0—See Königsberg.
6.0—Trio in C (Brahms). 6.40—
Baden Echoes from Karlsruhe. 7.0—
News. 7.10—Violin Records.
8.0—"Der Zundelfrieder".—Play with
Music, after Hebel (Faiss). 9.0—
Tinc; News; Sports.
9.30—See Hamburg. 10.30—Screnade
on Records.

11.0 p.m.-1.0 a.m. (Friday)—Haydn and Mozart Records.

TOULOUSE (Radio-Toulouse)

913 kc/s (328.6 m.); 60 kW.
Transmits at intervals from 8.0 a.m.
7.55 p.m.—News. 8.10—Mandoline
Band. 8.15—Variety.
8.45—Operetta Airs. 9.0—News.
9.15—"Conseils"—Fantasy. 9.45—
Paris Programme. 10.15—Operetta
Music. 10.40—Orchestra. 10.35—

THURSDAY (November 5)

News. 11.0—Viennese Orchestra. 11.15—Film Music. 11.40—Songs and Marches, 11.55—News. 12.5 a.m. (Friday)—Light Music. 12.20— Bal Champètre Orchestra. 12.30— Announcements.

TURIN (No, 1) (Italy)
1,140 kc/s (263.2 m.); 7 kW.
Relayed by Milan (No. 1), 814 kc/s
(368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,140 kc/s (263.2 m.); Florence, 610 kc/s (491.8 m.); Bolzano, 536 kc/s (559.7 m.); and Rome (No. 3), 1,258 kc/s
(238.5 m.).

(238.5 m.).
Transmits at intervals from 6.45 a.m.
4.0 p.m.—News.
4.15—Soprano
and Baritone.
4.55-6.0—See Rome.
Foreign Languages.
7.5—Time:

7.30—See Rome.
7.40—"Gente in treno"—Grotesque in Three Scenes (Giannini).
9.0 (approx.)—Dopolavoro Choir.
Conductor: Rostagno. 10.0—News.
10.15-11.0—Dance Music.

VIENNA (Austria)
592 kc/s (506.8 m.); 100 kW.
Relayed by Graz and Linz, 886
kc/s (338.6 m.); Innsbruck, 519
kc/s (578 m.); Klagenfurt and
Vorarlberg, 1,294 kc/s (231.8 m.);
and Salzburg, 1,348 kc/s (222.6 m.).
Transmits at intervals from 6.0 a.m.
6.0 p.m.—News.

6.15—Light Orchestral, with Feller (Tenor).

Records.

8.0—One-Act Plays: (a) "The Love Letter" (Avertschenko). (b) "The Proposal" (Tchekov), (c) "In the House of Crime" (Bernard). 9.10—

Prews.

9.20—Emmy Zopf (Pfte.). Concert
Prelude (Röhrling). Humoresque
(Marx). Scherzo (Königer). Ballad
(Wetchy). Nachklänge zum Karneval (Hasenöhrl). Capriccio (Welleba). Austrian Dances (Bittner).

10.0—News.

10.10-12.0 m't—Gaudriot Dance Band,

WARSAW (Poland)

224 kc/s (1,339 m.); 120 kW. Relayed by Cracow, 1,022 kc/s (293.5 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 (304.3 m.); and Wilno, 536 kc/s (559.7 m.).

ke/s (50-5 m.); and witho, 9 am.

Fransmits at intervals from 5.30 am.

11.3 a.m.—Station Salon Trio: Sarabande (Halvorsen). Rondino (Mayer). Second Movement from the Pfte. Sonata (Beethoven). Rigaudon (Raff). Serenade (Szejacs). Song without Words (Mendelssohn). Minuet (Beethoven). Oriental Piece (Rimsky-Korsakov). Folk Dance (Hartman). Scherzo (Gade). Bethleem (Malling). Tarantella (Heller).

11.40—Talk. 11.50-12.0 noon—

ing). Tarantella (Heller).

11.40—Talk. 11.50-12.0 noon—
News. 2.0—Economics.

2.15—Statlon Symphony Orchestra.
Conductor: Mierzejewski. Lucle
Szczepańska (Soprano). Overtúre,
"Der Geist des Wojewoden"
(Grossman). Arias, "The Countess" (Moniuszko) and "La
Traviata" (Verdi). Selection,
"Manon" (Massenct). Opera
Arias.

"Manon" (Massenct). Opera Arias.

3.0—Letterbox. 3.15—Art. 3.20—For Children. 3.35—Debussy Records. 4.0—Report: German Youth.

4.15 (from Cracow)—German Dances. Orchestra. Conductor: Herman. German Dances (Dittersdorf, Mozart). Rondo (Schubert). Rondo (Reger). Potpourri, Tirol in Lied und Tanz (Fetras). German Dance Suite (Reger). Evipain Dances (Lanner). Hofballtänze (Lanner).

4.50—Book Review. 5.0—Topical. 5.50—Topical. 6.0 (from Katowice)—Silesian Songs (arr. Nicze) by the Silesian Railway Workers' Choir.

6.30 (from Lwów)—"Autumn"—Musical Sequence (arr. Leski), by the Eryan Choir and the Schatz Salon Quartet. 7.30 (from Lwów)—Report. 7.45—News. 7.55—Topical.

8.0—Silhouettes of Polish Composers

7.45—News. 7.55—Topical.
8.0—Silhouettes of Polish Composers—Paderewski Recital with Introductory Talk. Szlemińska (Songs) and Turczyński (Pfte.). Sonata in E flat minor. Six Songs. Melody in G flat. Minuet. Intermezzo. Moment Musical. Cracovienne fantatsious. tastique.

9.10-Records, 9.25-Dance Music.

EIFFEL TOWER, Debussy (contd.).
HILVERSUM (1,875 m.), Talk. 9.10
—N.C.R.V. Symphony Orchestra;
at 9.40—News. HILVERSUM
(301.5 m.), Talk. 9.10—Pftc. 9.40—
Talk.

Talk.

KALUNDBORG, News. 9.15—Light
Music from the Ritz. KÖNIGSBERG, News. 9.20—Talk. 9.40—
Dance and Light Music.

LEIPZIG, News. 9.30—"Kronstadt"—Sequence (Reimesch).

MONTE CENFRI, 9.5—Records.

MUNICH, News. 9.20—Talk.
9.30—Songs. 9.45—Sonata in D
for Two Pftes. (Mozart).

OSLO, Topical. 9.15—Male Voice
Choir.

FRIDAY November 6

4 p.m.

BERLIN, Records. 4.30—"The River Oder" (Pflug). 4.50—Health Hints. BEROMÜNSTER and SOTTENS, 4.20—String Orchestra. BUCHA-REST and RADIO-ROMANIA, Reading. 4.15—Orchestra. BUDA-PEST (1), Talk. 4.30—Orchestra. 4.55—Sports.

COLOGNE, Talks and Records.

DEUTSCHLANDSENDER, Orchestra and Artists. 4.50—Hitler Youth Music Day Concert (Recorded) (Maass, Spitta).

FRANKFURT, Light Orchestral. 4.30

—We visit the Observatory. 4.45

—"Chestnuts" (Gerhardt).

—"Chestnuts" (Gerhardt).

HAMBURG, See Deutschlandsender.

4.30—Talk. HILVERSUM (1,875
m.), Organ. 4.40—Recitation and
Records. HILVERSUM (301.5 m.),
Records. 4.40—For Children.

KALUNDBORG, Jørgensen's Lyrics.

4.40—Exchange. 4.50—Accordion.

KÖNIGSBERG, Records. 4.20—
Angrabeit in Letters. 4.45—
Report.

OSLO, Concert.

RADIO-NORMANDIE, Concert. 4.45—For Children. RADIO-PARIS, Zagreb Quartet (Odak, Dvořák).

STOCKHOLM, 4.5—For Young People. 4.25—Records. STUTTGART, See Deutschlandsender. 4.30—Trenkner Songs.

TURIN and ROME, News. 4.15—Dance Band.

Dance Band.
WARSAW, Reading. 4.15—'Cello,
Songs. 4.50—Topical.

5 p.m.

ATHLONE, 5.30—Children's Hour.

ATHLONE, 5.30—Children's Hour.
BEROMÜNSTER, Music. 5.30—For Children. 5.35—Talk. 5.45—Grieg Songs. BRESLAU, Orchestra. 5.50—Programmes. BRUSSELS (1), Accordion. 5.30—Talk with Records: The Minuet. BRUSSELS (2), Radio Orchestra, Records. 5.45—For Children. BUCHAREST and RADIO-ROMANIA, Topical, Orchestra. BUDAPEST (1), Sports, Orchestra. 5.30—Talk.

COLOGNE, Light Music. Orchestra,
Pfte. Duo, Songs.

Pfte. Duo, Songs.

DEUTSCHLANDSENDER, Concert (contd.). 5.20—Records of Famous

HAMBURG, Records. 5.45—Shipping, HILVERSUM (1,875 m.), Recitation and Records. HILVERSUM (301.5 m.), For Children.

S.10—Organ.
KALUNDBORG, Accordion. 5.15—
Weather. 5.35—German. KÖNIGSBERG, Light Orchestral.
LEIPZIG, BERLIN and FRANKFURT, Dresden Trio, Pfte., Band.

MUNICH, Light Orchestral; at 5.30: Topical.
OSLO, English. 5.25—Inger Mikkelsen and Naalsund. 5.50—News.
PARIS (PTT), Gluck Concert. Pasdeloup Concert Orchestra. 5.30—Talke

Talks.

RADIO-NORMANDIE, Records.

5.15—Light Music. RADIO-PARIS,
English. 5.20—Films. 5.30—
Pasdeloup Concert Orchestra. Rosine Schor (Songs). ROME and
TURIN, 5.50—Notes.

SOTTENS, Interlude. 5.15—Bridge.
5.30—Notes. STOCKHOLM, Records. 5.15—Lecture. STUTTGART, "Round the World in
Sixty Minutes"—Records.

WARSAW, Notes.

6 p.m.

ATHLONE, Children's Hour. 6.15
—Prizewinning Amateurs at the
Microphone. 6.35—Irish News
Feature. 6.45—News.

Microphone. 6.35—Inst News Feature. 6.45—News.

BERLIN, Programmes. 6.20—Strauss Records. 6.45—Evening Echoes.

BEROMUNSTER, Notes. 6.20—To be announced. 6.30—News. 6.40—Mandoline Double Quartet.

BRATISLAVA, 6.10—Folk Songs with Cigány Band. 6.35—Harp. 6.55—Band. BRESLAU, "von Spec's Squadron"—an Epic of the Great War (Recorded). BRUSSELS (1), Talk. 6.15—Records, 6.30—Delvigne (Pfte.). BRUSSELS (2), For Children. 6.25—Talk, 6.30—Flemish Music. 6.45—Talk.

BUCHAREST and RADIO ROMANIA, Educational. 6.20—Talk. 6.35—"Andrea Chenier"—Opera (Giordano) (Records). BUDAPEST (1), Tarogato. 6.30—From the Opera.

COLOGNE, Music (contd.). 6.45—Snanshots

Snapshots.

DEUTSCHLANDSENDER, Cabaret 6.45 with Dance Band, etc. 6.45-Events. 6.55-For Ex-Servicemen.

Events. 6.55—For Ex-Servicemen.
FRANKFURT, Records. 6.40—
Topical, Exchange, Programmes.
HAMBURG. "Automatic Machines"
—Radio Picture: 6.45—Review.
HILVERSUM (1,875 m.), Records.
6.10—Talk, Notes. HILVERSUM (301.5 m.), Organ. 6.10—Review.
6.30—Records. 6.40—Talk.
KALUNDBORG, News. 6.30—Review. KÖNIGSBERG, Notes, Call of Youth. 6.20—Talk. 6.45—Topical.

LEIPZIG, Trio, Pfte., Band (contd.). 6.40—Talk, Review.

SYMPHONY CONCERTS

LIGHT CONCERTS

5.0

7.10

7 20

8.0

9.0

9.15

9.30

10.5

OPERAS

PRINCIPAL EVENTS

Radio-Paris: Beethoven No. 2, etc. Stockholm: "Gustav Adolf" festival.

Deutschlandsender: Station orchestra.
Brussels 2; Radio Orchestra.
Leipzig, etc.: Popular programme.
Vienna: Light and dance music.
Athlone: Haydn Wood programme.
Berlin, Hamburg: Conductor, Lualdi.
Preslau: Variety concert

Breslau: Variety concert.
Sottens: Variety concert.
Brussels 1: Orchestra, soprano arias.
Turin: Light orchestral.

Stuttgart, etc.: Light opera music. Budapest 1: Salon orchestra. Radio-Paris, Strasbourg: Bach, Sibelius.

Stockholm: Popular orchestral. Kalundborg: Light music. Oslo: Choir, men's voices.

MUNICH, Pfte. Concerto in D minor (Brahms), by Frey. 6.45—Talk.

OSLO, News, For Farmers. 6.45—Accordion.

TOULOUSE, Light Music. 6.50— News. TURIN, News in Foreign

VIENNA, News. 6.20—Wolf Songs by Duhan (Baritone), Patzak (Tenor). WARSAW, Reading. 6.20—Songs. 6.45—Opera Excerpt.

7 p.m.

ATHLONE, Gardening, 7.10—Haydn Wood Concert. Station_Orchestra. Eva Wilson (Songs). 7.45—Books. BERLIN, HAMBURG, KÖNIGS-BERG, News. 7.10—Orchestra. BEROMÜNSTER, Dialect Programme with a Ländler Orchestra. BRATISLAVA, Band. 7.35—See Prague. BRESLAU, News. 7.10—Variety from Saarbrücken, BRUSSELS (1), Talk. 7.15—Han-

News. TL Languages.

Kalundborg: Hansen's Ensemble.

Munich: Brahms pfte. concerto (Walter 8.45

del and Debussy Songs. 7.30—
News. BRUSSELS (2), Radio
Orchestra. 7.30—Talk. BUCHAREST and RADIO-ROMANIA,
"Andrea Chenier" (contd.).
BUDAPEST (1), From the Royal
Opera (contd.).
COLOGNE, News. 7.10—"Soldier
Comrades." "von Spee's Squadron"—An Epic of the Great War
(Recorded); Soldier Songs; Where
are you, Comrade?
FRANKFURT, News. 7.10—Theatre
Excerpts, "The Bartered Bride"
(Smetana), "Der Bettelstudent"
(Millöcker). "Tsar and Carpenter"
(Lortzing), and "The Tsarevitch"
(Lehár).
HILVERSUM (1,875 m.), Review,

(Lehar).

HILVERSUM (1,875 m.), Review, Report. 7.40—News. 7.50—
N.C.R.V. Wind Band. HILVER-SUM (301.5 m.), Records. 7.30—

SUM (301.5 m.), Records. 7.30— News.

KALUNDBORG, Carillon Recital.
7.10—Festival Service for the Fourth
Centenary of the Reformation in
Denmark, from Copenhagen Cathedral. Choir, Orchestra, Organ.
LEIPZIG, News. 7.10—Dance
Music and Light Music. Orchestras,
Sones.

Songs.

MONTE CENERI, 7.50—"La gran voce"—Play (Frigerio).

OPERETTAS

8.30

0.30

6.20 6.30 7.10

RECITALS

(Lecoca).

CHAMBER MUSIC

BRUSSELS (1), Symphony Orchestra. Rachel Piette (Arias). BRUSSELS (2), Record. 8.3—"Het Minnebrugie"—Operetta (Van SELS (2), Record. 8.3—"Het Minnebrugje"— Operetta (Van Oost). BUCHAREST and RADIO-ROMANIA, "Andrea Chenier" (contd.). BUDAPEST (1), From the Royal Opera (contd.).

COLOGNE, "SoldieL-Comrades"

DEUTSCHLANDSENDER, "A German Calendar — November"

DEUTSCHLANDSENDER, German Calendar — November" (Hansen). EIFFEL TOWER, 8.30—Debussy Concert with Introduction. Songs. Pfte., Violin.

FRANKFURT, Theatre Excerpts

(contd.). HILVERSUM (1,875 m.). Band (contd.). 8.40—Talk. HILVER-SUM (301,5 m.). Talk. 8.10—Mile. Kaiser (Pfte.). 8.40—Talk.

LEIPZIG. Music (contd.).

8.3 Brussels 2: Flemish operetta (van Oost).
Radio-Paris: "Le jour et la nuit"

Radio-Paris: The Zagreb Quartet. Eiffel Tower: Debussy programme. Warsaw: Purcell, Respighi. Deutschlandsender: Italian music.

Vienna: Hugo Wolf Songs.
Brussels 1: Oscar Delvigne (pfte.).
Kalundborg: Church music.

7.40 Turin: Violin.
8.0 Beromünster: Scottish songs and duets.
8.0 Radio-Paris: Song, pianoforte.
10.25 Brussels 1: Accordion.

(Hugo). Athlone: "Fog in the Liffey."

Paris (PTT), etc.: "Marie Tudor'

Budapest 1 : Tarogato.

LAST NEWS BULLETINS, See Monday

MONTE CENERI, Play (contd.). 8.35—Choir. MUNICH, Variety from Saarbrücken.
OSLO, Sketch. 8.25—Talk. 8.40—News.

KALUNDBORG, Festival Service (contd.). 8.40—"Cape Farewell" (Harry Martinson).

OSLO, Topical. 9.15—Male Voice Choir.
PARIS (PTT) and STRASBOURG.
"Mary Tudor" (contd.). POSTE PARISIEN, To be amounced. PRAGUE, News. 9.15—Ballet (Schmelzer). 9.45—News in Russian. RADIO - NORMANDIE, Concert. RADIO-PARIS, "Le jour et la nuit" (contd.). ROME, "The Cinema Girl" (contd.). STOCKHOLM, Light Orchestral. STUTTGART and MOST GERMAN STATIONS, News. 9.30—Light Opera Music.
TOULOUSE, News. 9.10—Fantasy. 9.45—Paris Programme. TURIN, Songs and Dances. 9.30—Notes. 9.40—Dance Music.

VIENNA, Music (contd.). 9.10— News, Esperanto Notes. 9.30—

News, Esperanto Notes. 9.30—Quartet.

WARSAW, String Quartets (Purcell, Respighi). 9.30—Sketch. 9.45—Dance Music.

10 p.m.

ATHLONE, Variety. 10.30—News;
Light Music.
BRUSSELS (1), News. 10.10—Records. 10.25—Accordion. BRUSSELS (2), News. 10.10—Dance Records. BUDAPEST (1), News in English. 10.3—Salon Orchestra.
DEUTSCHLANDSENDER, Dance Records.

Records.
HILVERSUM (1,875 m.), Orchestra (contd.), 10.10—Records. HILVERSUM (301.5 m.), Talk, 10,10—Records. 10.20—Service. 10.40—Netes

KALUNDBORG, Variety (contd.).
KÖNIGSBERG, Dance and Light
Music.

LEIPZIG, Sequence (contd.).

Orchestra from Stuttgart.

MUNICH, Serenade — Band and

Artists.

PARIS (PTT) and STRASBOURG,
"Mary Tudor" (contd.). 10.30—
News. POSTE PARISIEN, To be announced.

RADIO - NORMANDIE. Concert.
RADIO-PARIS, "Le jour et la nuit" (contd.). ROME and TURIN,
News. 10.15—Dance Music.

STUTTGART and MOST GERMAN STATIONS, Orchestra.
TOULOUSE. Paris Programme, 10.15

TOULOUSE, Paris Programme. 10.15
—Selection, "The Love Parade"
(Schertzinger). 10.40—Music. 10.55
—News.
VIENNA, Quartet. 10.30—Notes.
10.40—Records.

WARSAW, Dance Music.

11 p.m.

BRUSSELS (2), Record. BUDAPEST-

BRUSSELS (2), Record. BUDAPEST. (1), 11.5—News.
FRANKFURT and STUTTGART, "Othello"—Opera (Verdi) by La Scala, Milan Cast (Recorded).
HILVERSUM (1,875 m.), Bible Reading. HILVERSUM (301.5 m.), Report on the Six Days' Cycle Race. 11.15—Records.
POSTE PARISLEN, To be announced. RADIO - NORMANDIE. Dance Music. 11.30—From the Cabane Normande. RADIO-PARIS, Orchestra.

chestra.
STRASBOURG, News in German.
11.15—Orchestra from Radio-Paris.
TOULOUSE, Songs and Dance Music.
11.55—News.

VIENNA, Records.

12 midnight

FRANKFURT and STUTTGART, "Othello" (contd.).

RADIO NORMANDIE, Records, 12.30—Dance Music. R A D I OPARIS and STRASBOURG, OF

TOULOUSE, 12.5-Music. 12.30-

1 a.m. (Saturday) FRANKFURT and STUTTGART. "Othello" (contd.).

DANCE MUSIC
6.0 Deutschlandsender; 7.10, Leipzig; 9.40,
Königsberg; 9.45, Warsaw; 10.0, Deutschlandsender; 10.10, Brussels 2; 10.15,
Rome; 11.0, Radio-Normandie; 11.15,
National, Regional. OPERAS
6.30 Budapest 1: From the Opera.
7.15 Warsaw: "The Forester of Kozienica."
8.25 Regional: "Ariadne in Naxos."
11.0 Frankfurt, Stuttgart: "Othello" (rec.). OSLO, Scandinavian Review. 7.25— Helga Lökke (Violin). (Bach, Chausson).

Chausson).

PARIS (PTT), Topical. 7.38—Suite pastorale (Chabrier), by the Pasdeloup Concert Orchestra. POSTE-PARISIEN, 7.6—News. 7.30—Talk. 7.37—Song Records and Talk. PRAGUE, Comedy (contd.). 7.35—Light Music and Dance Music.

Music.

RADIO - NORMANDIE, Concert.

7.40—News. RADIO-PARIS, Orchestra (contd.). 7.30 — Talks.

ROME, 7.5—News. 7.40—"The Cinema Girl"—Operetta (Weinbarger).

berger).

SOTTENS, Finance. 7.20—Variety.

STOCKHOLM, Vocal Quartet.
7.30—Talk. 7.55—Concert for
Gustavus Adolphus Day. Station
Orchestra and Uppsala Students'
Choir. Address. STUTTGART,
DEUTSCHLANDSENDER,
MUNICH, News. 7.10—Variety

OSLO, News, For Farmers. 6.45—Accordion.

PARIS (PTT), Pasdeloup Concert Orchestra. Rosine Schor (Songs)-6.30—News. POSTE PARISIEN, Topical. 6.9—Records. 6.25—Talk. Exchange, For Women. PRAGUE, News. 6.20—Folk Songs. 6.40—"Brewers"—Comedy (Erben), with Music.

RADIO-NORMANDIE, For Children. 6.45—Talk. Raeing. RADIO-PARIS, For Women. 6.30—Pasdeloup Concert Orchestra (Beethoven, Fauré, Honegger, Florent Schmitt). ROME, Records, News and Talk in Dutch. 6.20—News in Foreign Languages.

SOTTENS, Notes. 6.15—Radio Magazine. 6.50—News. 5.70CK-HOLM, Cello. 6.15—News. 6.30—Review. STUTTGART, Wonders. of the Universe (Bierkowski). 6.20—Ballads (arr. Scholler). 6.45—Talk. TOULOUSE, Light Music and Dance Music. 7.55—News. TURIN, 7.5—News. 7.40—Barison (violin), with Morossina Barison (Pfte.).

with Morossina Barison (Files).

VIENNA, Light and Dance Music.

Orchestra, Band, Quartet.

WARSAW, Talk. 7.15—"The Forester of Kozienica," Opera (Kurpinski).

8 p.m.

ATHLONE, A Programme from Rosmuc—from the University Col-Rosmuc—fro lege. Galway.

lege. Galway...

BERLIN, HAMBURG, KÖNIGS-BERG, Orchestra (contd.). BERO-MÜNSTER, Scottish Songs and Duets (Wetzler). 8.30—Talk. 8.55—Music. BRATISLAVA, See Prague. 8.15—Comedy after Gruzinsky (Kunst). 8.35—Pfte. and Orchestra: Nights in the Gardens of Spain (Falla). BRESLAU, Variety (contd.)

PARIS (PTT), Talk. 8.30—" Mary Tudor "—Play (Victor Hugo). POSTE PARISIEN, 8.5—Paul Re-boux. 8.20—Sketch. 8.55—To be announced. PRAGUE, Music (comd.). 8.15—Discussion. 8.35— See Bratislava.

See Bratislava.

RADIO - NORMANDIE, Concert.

8.30 — Records. 8.45 — Variety.
RADIO-PARIS, Songs, Pite. 8.30 —
News. 8.45 — "Le jour et la nuit"
— Opéra-bouffe (Lecocq). ROME,
"The Cinema Girl" (contd.).

SOTTENS, Variety. 8.55 — League of
Nations. STOCKHOLM, Concert
(contd.). 8.45 — News. STRASBOURG. 8.30 — See Paris (PIT).

STUTTGART, Variety (contd.).

8.10 — "Die Schicksalsbrücke über
den Rhein" Play (Kanig).

TOULOUSE, News. 8.10 — Light
Music. 8.55 — News. TURIN,
Violin, Pfte. 8.20 — Talk. 8.30 —
Light Orchestral.

VIENNA, Music (contd.).

VIENNA, Music (contd.).
WARSAW, Opera (contd.). 8.15News; Topical. 8.30—Records.

9 p.m.

ATHLONE, "Fog in the Liffey"-Play (Milligan). 9.30—Variety.

Play (Milligan). 9.30—Variety.

BEROMÜNSTER, 9.5 — News.
BRATISLAVA, News. 9.15—News
in Hungarian. 9.30—Records.
BRUSSELS (1), Talk. 9.15—Symphony Orchestra. Stany Paillot
(Songs). (Hamilton Harty, Mozart, Handel, Strens, Delius). BRUSSELS (2), Operetta (contd.).
BUCHAREST and RADIOROMANIA, "Andrea Chenier"
(contd.). 9.45—News (French,
German, Romanian). BUDAPEST
(1), From the Royal Opera (contd.).
9.30—Jazz.

DEUTSCHLANDSENDER, News. 9.30—Italian Music. 9.45—Weather,

NATIONAL

For Time Signals, see Monday

For Time Signals, see Monday

10.15 a.m. (D)—Service.
10.30 (D)—Weather Forecast.
10.45—The Child's Looks—Talk.
11.0—For the Schools; Music and Movement for Juniors. 11.20—Pfte. Interlude. 11.30—Music and Movement for Very Young Children.
11.0 (Scottish)—Records.
11.50—George C. Gray—Organ.
12.30 p.m.—BBC Dance Orchestra.
11.50—The Birmingham Philharmonic String Orchestra, Florence Hooton (*Cello).
2.0 (ex. Scottish)—Herring Bulletin.

1.15—The Birmingnam Printarmone String Orchestra, Florence Hooton (*Cello).
2.0 (ex. Scottish)—Herring Bulletin.
2.0-4.0 (Scottish)—See Regional.
2.5 (ex. Scottish)—See Regional.
2.5 (ex. Scottish)—For the Schools; Travel Talks—Australia.
2.00—Coal. 3.0—English. 3.35—"Manchuria." Talk for Sixth Forms.
4.0—"Weingartner"—BBC Midland Orchestra, conducted by Leslie Heward.
5.15—The Continentals, presented by Boris Yvain, with Carmen del Rio.
6.0—The First News.
6.25—Mrs. Tobias Matthay (Poetry), Tobias Matthay (Pfte.).
7.0—Music and the Ordinary Listener—Sir Walford Davies.
7.30—"Richard Jeffries."
8.0—"White Coons"—Concert Party.
9.0—Talk—"Sea Power."
9.40—Florence Baga de Jong at the BBC Theatre Organ.
10.0—Commentary on Ladies' International Fencing Championship.
10.15—BBC Orchestra (Section E), conducted by Joseph Lewis; Dennis Noble (Baritone).
11.15—Roy Fox and his Band.

REGIONAL

For Time Signals, see Monday

10.15 a.m.—Service.
10.30—Weather Forecast.
10.45—Sydney Gustard—Organ.
11.30—Cinema Orchestrá.
12.30 p.m.—Falkman and his Apache

12.30 p.m.—Falkman and his Apache Band.
1.15—Records, Variety.
1.45 (ex. Scottish)—BBC Northern Orchestra; Vera Jennings (Soprano).
1.45 (Scottish)—Gramophone Records.
2.0 (Scottish)—For the Schools;
2.5—Speech Training.
2.30—Concerts for Schools,
3.10—Nature
Study.
3.33—Talk for Sixth Forms:
"Manchuria."
245 (ex. Scottish)—Chopin Recital

"Manchuria."

2.45 (ex: Scottish)—Chopin Recital by Egerton Tidmarsh.

3.15 (ex. Scottish)—Records.

4.0—"What's the Odds?"

4.30—The Carlton Hotel Orchestra.

5.0—The Week in Westminster.

5.15—The Children's Hour.

5.35—Summary of the Week's News.

5.50 (Regional, Midland, Western)—

Gramophone Records.

5.50 (Northern)—Duets by Doris and Harry.

Harry. 50 (N. Ireland)—James Moody

Harry,
5.50 (N. Ireland)—James Moody
(Pfte.).
5.50 (Scottish)—Crué Davidson.
6.0 (ex. Western, Northern, Scottish)
—Alfredo Campoli and his Orchestra; Glyn Eastman (Baritone).
6.0 (Western)—Reading.
6.0 (Northern)—Cecil Chadwick—Cinema Organ.

6.0 (Northern)—Cecil Chadwick—Cinema Organ.
6.0 (Scottish)—Next Week You'll Hear; 6.10—Saturday Sport.
6.15 (Western)—Morriston Orpheus Choir; Tudor Davies (Tenor).
6.25 (Scottish)—Band and Pipes.
6.40 (Northern)—Talk on Gardening.
7.0—The Second News.
7.20—Regional Announcements.
7.30 (ex. Western, Northern)—Dance Band.

Band.
7.30 (Western)—Talk.
7.30 (Northern)—The Revue Orches

7.50 (Western)—The North Regional

7.50 (Western)—The North Regional Follies.
8.0 (Regional)—Gramophone Records.
8.0 (Midland)—The Midland Shop-keeper, by Colin Clark.
8.0 (Scottish)—BBC Scottish Orchestra, conducted by Ian Whyte.
8.0 (N. Ireland)—"Farmers' Work and Worry."
8.10 (Northern)—Popular Nonsense.
8.15 (N. Ireland)—The Harp Trio.
8.25 (Midland)—"Midland Organs and Organists." Henry Coleman.
8.25 (Regional, Northern, N. Ireland, Midland, Scottish, Western from 9.30)—"Ariadne in Naxos, from the Royal Opera House, Covent Garden.

Garden.
8.30 (Western)—"Flood"—A Drama by W. Evan Williams.
8.30 (Scottish)—The Everlasting Heri-

tage. 8.50 (N. Ireland)-Gramophone Re-

8.50 (N. Heland)
cords.
9.0 (Scottish)—Scottish Dance Music,
9.10 (Midland)—Margaret Ablethorpe
(Pfte.).
10.50—News Summary,
11.15—Dance Band,
11.40—Peggie Sampson ('Cello).

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.—Time; Weather; Stocks; Records. 5.30—Children's Hour. 6.15—Prizewinning Amateurs at the Microphone. 6.35—Irish News Feature. 6.45—Weather; Stocks; News; Time. 7.0—Look, after your Garden, by G. O. Sherrard.

7.10—Haydn Wood Concert by the Station Orchestra. Eva Wilson (Songs). A Manx Rhapsody. Frescoes Suite.

7.45—Books.

8.0—A Programme from Rosmue—

7.45—Books.

8.0—A Programme from Rosmuc—from University College, Galway.

9.0—"Fog in the Liffey"—Play (Milligan).

9.30—Variety.

10.30—What happened to-day; Light Music.

11.0—National Anthem.

BANSKÁ-BYSTRICA

(Czechoslovakia)
392 kc/s (765 m.); 30 kW.
Relays Czechoslovak Stations.

Relays Czechoslovak Stations.

BERLIN (Germany)

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

Transmits at intervals from 5.0 a.m.

11.0 a.m.—See Deutschlandsender.

12.0 noon—Midday Echoes.

12.15 p.m.—See Frankfurt. 1.0—

News. 1.15—Light Orchestral. 2.0

—Exchange; Markets. 3.30—Sports.

4.0—Brahms and Haydn. Records.

4.30—"The River Oder"—(Pflug).

4.50—Health Hints.

5.0—See Leipzig. 6.0—Programmes.

6.20—Johann Strauss Records. 6.45

—Evening Echoes. 7.0—News.

7.10—Station Orchestra. Conductor:

Lualdi. Preludio giocoso (Castagnone). Sinfonia (Cherubini). Serenade for Strings (Reznicek). Africa

(Lualdi). Tango (Sonzogno). 9.0

—News.

30-11.0—See Stutteart.

9.30-11.0—See Stuttgart.
BEROMÜNSTER

BEROMÜNSTER

(Switzerland)

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

5.30-5.50 a.m.—Ski-ing. 9.20-9.50—
For Schools.

11.0-12.45 p.m.—See Sottens.

3.0—Music. 3.10—For Women. 3.30—
Classical Music. Conductor: Gilbort.

3.50—Light Music. Radio Orchestra. Conductor: Bernhard.

4.20—Edelweiss String Band from Trogen. 5.0—Music.

5.30—For Children. 5.35—Legal Talk.

5,45 (from Berne)—Grieg Songs by Verena Peschl (Contralio). 6.0—
Markets; Tourist Notes; Sports.

6.20—To be announced. 6.30—News.

6.40-9.5—Programme from Baslc. 6.40
—Basle Mandoline Double Quartet.

7.0—Dialect Programme with a Ländler Orchestra.

ter Orchestra.

8.0—Scottish Songs and Duets (Wetz-ler) by Erica Frauscher (Soprano) and Kovacz (Baritone). The Composer at

the Pite. 8.30—Talk: Love Match or Marfiage of Convenience? 8.55—Music. 9.5-9.15—News.

BORDEAUX-LAFAYETTE

1,077 kc/s (278.6 m.); 12 kW. ransmits at intervals from 6.50 a.n. 1,077 kc/s (278.6 m.); 12 kW.
1,077 kc/s (278.6 m.); 12 kW.
1,080 p.m.—News; Topical. 7.45—
Talk: Antoine Bourdelle, Sculpfor.
8.0—Spanish Lesson. 8.15—News.
8.25—" Monsieur Badin "—One-Act
Play (Courteline). 9.0—Concert
arranged by the St. Cecclia Association, from the Grand Theatre. Orchestra, Conductor: Poulet. Women's
Choir. Wanda Landowska (Harpsichord) and Giraud (Soprano). Symphony in D (Mozart). Harpsichord
and Orchestra: Concerto in B (Handel). Harpsichord: (a) Italian Concerto (Bach), (b) Concerto (Haydn).
Soprano, Choir and Orchestra: A la
musique (Chabrier). Spanish Rhapsody (Ravel).
BRATISLAVA

BRATISLAVA

(Czechoslovakia)
1,004 kc/s (298.8 m.); 13.5 kW.
Transmits at intervals from 5.15 a.m.
6.10 p.m.—Slovak Folk Songs by
Flögl (Bass) with the Pihik Cigány

Flögl (Bass) with the Pihik "Cigány Band.
6.35—Anna Janovska (Harp). Three Pieces (Tournier). Arabesque (Debussy). Air, "Mignon" (Thomas). 6.55—Band from Kosice. 7.35—See Prague. 8.15—Comedy after Gruzinsky (Kunst).
8.35—Nights in the Gardens of Spain (Falla) by Macudzinski (Pfte.) and the Station Orchestra. Conductor: Schimpl. 9.0 — News; Review; Sports. 9.15—News in Hungarian. 9.30—Records, 10.0-10.15—See Brno.

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 Deutschlandsender. 11.0 a.m.—See Deutschlan 12.0 noon—News. 12.15 p.m.—See Frankfurt.

News.
1.15—Variety, from Deutschlandsender. 2.0—Markets. 3.0—Books, including "The Fourth Seal" (Sir including "The Samuel Hoare).

Samuel Hoare).
3.20—Pfte. Sonata in B flat minor (Chopin). 3.40—Review.
4.0—Orchestra from Hindenburg.
5.50—Programmes.
6.0—"Von Spee's Squadron"—an Epic of the Great War (Récorded).
7.0—News.
7.10—" Perpetuum mobile"—Variety from Saarbrücken.
9.0—News.
9.30-11.0—See Stuttgart.

BRNO (Czechoslovakia)

BRNO (Czechoslovakia)
922 kc/s (325.4 m.); 32 kW.
Transmits at intervals from 5.15 a.m.
2.0 p.m.—Station Orchestra, Guest
Conductor: Sprogis. The Watersprite (Dvořák). Symphony (Sprogis). Folk Dances (Sprogis).
3.0-3.45—See Prague. 3.45—Theatre
Review. 3.50—See Prague. 4.40—
Talk; Sports in German. 5.15—
News. 5.20—Talk. 5.30—Labour
Exchange. 5.35—For Workers. 5.45
—See Prague. 6.10—Talk. 6.20-8.35
—See Prague. 8.35—See Bratislava.
9.0—See Prague. 10.0-10.15—Morse.

BRUSSELS (No. 1) (Belgium) 620 kc/s (483.9 m.); 15 kW. 6.37-9.0 a.m.—Records; Gym; News. 12.0 noon—Records; The Months. 12.20 .p.m.—Poems. 12.30—Salon

12.0 noon—Records: The Months.
12.20 p.m.—Poems. 12.30—Salon
Orchestra. Conductor: Féron. 1.0—
News. 1.10—Belgian Music. Orchestra. Conductor: Walpot. Durand
(Refrains). 1.30—Sibylle Essler
(Songs). 1.40—Records. 2.0—Art (Refrains). 1.30—Records.

News. 1.10—Belgian Music. Orchestra. Conductor: Walpot. Durand (Refrains). 1.30 — Sibylle Essler (Songs). 1.40—Records. 2.0—Art Notes.
4.55—News. 5.0—Distate (Accordion). 5.30—Talk with Records: The Minuet. 6.0—Talk by M. Villers Léon. 6.15—Records.
6.39—Delvigne (Pfte.). Basso ostinato (Arensky). Prelude (Glazunov). Barcarolle (Tchaikovsky). Waltz in B minor (Amani). Impromptu in A (Scriabin). Prelude and Nocturne for the Left Hand (Scriabin). Carilion (Liapunov). 7.0—Talk: Electrical Combines in Belgium.
7.15—Mlle. Levaque (Songs). Aria, "Admeto" (Handel). Recitative and Aria, "L'enfant prodigue" (Debussy). 7.30—News.
8.0—Symphony Orchestra. Conductor: André. Rachel Piette (Arias). Overture (Rivier). Mélopées et rythmes (Bernier). Arias, "Lonengrin" (Wagner) and "The Damnation of Faust" (Berlioz). Les danseuses de Kerlouan (Daneau). Overture, "Le bourgeois gentilhomme" (Thiebaut). Columbia (Bosmans).
9.0—Talk: Agricultural Development.
9.15—Symphony Orchestra. Stany Paillot (Songs). Comedy Overture (Hamilton Harty). Arias, "The Magic Flute" (Mozart) and "Ill Pensieroso" (Handel). Lyric Preludes (Strens). In a Summer Garden (Delius).

10.0—News. 10.10—Records. 10.25—Light Music. De Hollander (Accordion). 11.0—La Brabançonne.

BRUSSELS (No. 2) (Belgium)
932 kc/s (321.9 m.); 15 kW.
Programme in Flemish.
6.37-9.0 a.m.—Records; Gym; News.
12.0 noon—Records. 12.31 p.m.—
Orchestra. Conductor: Walpot. 1,0
—News. 1,10—Salon Orchestra.
Conductor: Féron. 1.30—Mozart
and Richard Strauss Records. 2.0—
Shipping. 2.2-3.15—For Schools.
4.55—News. 5.0—Radio Orchestra.
Conductor: Gason. In the interval:
Records. 5.45—For Children, 6.25—
Talk. 6.30—Flemish Music. Radio
Orchestra. Conductor: Gason. 6.45
—Talk.
7.0—Radio Orchestra. Conductor:
Gason. Divertissement (Leemans).
Serenade, Napoli (d'Ambrosio).
Turkish March (Mozart). Polonaise
(Chopin). Schubert Fantasia
(Foulds).
Record: Mijns moedertaal (BrandtsBuys).
8.3—"Het Minnebrugje"—Operetta

Buys).

8.3—"Het Minnebrugje"—Opcretta
(Van Oost). Conductor: Walpot. In
the interval: Talk.
10.0—News. 10.10—Dance Records.
11.0—Record: De Vlaamsche Leeuw

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 4.30 a.m.
4.0 p.m.—Reading. 4.15—Ionescu-Gaina Orchestra; at 5.0: Time;
Markets; Topical. 6.0—Educational.
6.20—Talk.

6.35—"Andrea Chénier"—Opera in Four Acts (Giordano), on Records. In the Intervals: Topical Talk; News; Sports. 9,45—News (French, German, Romanian).

BUDAPEST (No. 1) (Hungary)

BUDAPEST (No. 1) (Hungary)
546 kc/s*(549.5 m.); 120 kW.
Transmits at intervals from 5.45 a.m.
11.5 a.m.—Records; at 11.30—
News. 12.30 p.m.—Cigány Band.
1.40—News. 3.15—For Students.
4.0—Talk. 4.30—Station Orchestra; at 4.55: Sports. 5.30—Talk. 6.0—
lstván Lugossy (Tarogato).
6.30—From the Opera.
4.9.30—Heinemann Jazz Band. Dobis (Songs).
10.0—News (English). 10.5—Pertis
Salon Orchestra. 11.5—News.

BUDAPEST (No. 2) (Hungary) 359.5 kc/s (834.5 m.); 18 kW. 5.5 p.m.—Shorthand. 5.35—Schwalb (Pfte.). 6.40—Reading. 7.5—Records. 8.20—News.

COLOGNE (Germany)
658 kc/s (455.9 m.); 100 kW.
Transmits at intervals from 5.0 a.m.
11.0 a.m.—See Deutschlandsender.
12.0 noon—News. 12.15 p.m.—
Chamber Orchestra. 1.0—News. 1.152.0—Records: Folk Music. 2.45—
Exchange. 3.0—Talks and Records.
5.0—Light Music. Station Orchestra.
Conductor: Eysoldt, Cologne Pfte.
Duo, Hanni Mack (Soprano), Schneider
Bass-Baritone). 6.45—Snapshots.
7.0—News.
7.10—"Soldier - Comrades." "von
Spec's Squadron"—An Epic of the
Great War (Recorded); Soldier
Songs: "Where are you, Comrade?"
9.0—Time; News.
9.30-11.0—See Stuttgart.

DEUTSCHLANDSENDER

191 kc/s (1,571 m.); 60 kW.
Transmits at intervals from 5.0 a.m.
11.0 a.m.—For all German Stations.
Classical Music. Station Orchestra.
Conductor: Clemens Krauss. Adele
Kern (Soprano), Wittrisch (Tenor).
12.0 noon—Greetings.
12.15 p.m.—See Cologne.
12.45—News.

News.
1.0—Variety.
2.0—Exchange; Programmes.
2.15—Children's Choir
2.45—Labour Service Reunion (Recorded).

corded).
3.0—Station Orchestra. Conductor:
Dobrindt; at 3.50: Topical. 4.50—
Hitler Youth Music Day Concert,
from Brunswick (Recorded).
5.20—Records of Famous Violinists.
6.0—Cabaret, with the Kaiser Dance
Band, etc. 6.45—Events. 6.55—
For Ex-Servicemen. 7.0—Motto;

See Stuttgart. 8.0—A German ndar—November (Hansen). 9.0—

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FRANKFURT (Germany)
1,195 kc/s (251 m.); 25 kW.
Relayed by Cassel, Coblenz, Frei-burg, and Trier, 1,195 kc/s (251 m.) Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Deutschlandsender 12.0 noon—News.

2.0 noon—News.
2.15 p.m.—Concert, from Coblenz.
0.—News. 1.10—Opera Records.
0.—Talk; Exchange. 2.15—Books.
30—"Leberecht Hühnchen tritt auf" —Sequence (Seidel). 3.0—Light Orchestral, In the interval: Reading. 4.30—We visit the Observatory. 4.45 —"Chestnuts!"—(Gerhardt).

5.0—See Leipzig.
6.0—Records. 0—Sec Leipzig.

0—Records. Introduction and Allegro (Ravel). Spanish Rhapsody (Liszt-Busoni). Don Juan (R.

(Liszt-Busoni). Don Juan (R. Strauss).
6.40—Topical. 6.55—Exchange; Programmes. 7.0—Time; News.
7.10—A Tour of Trier, Constance, Coblenz and Giessen Theatres. Excepts, "The Bartered Bride" (Smetana), "Der Bettelstudent" (Miliöcker), "Tsar and Carpenter" (Lortzing), and "The Tsarevitch" (Lehár).
9.0—Time; News.
9.30—See Stuttgart.
11.0 p.m.-t.15 a.m. (Saturday)—"Othello"—Three-Act Opera (Verdi), by La Scala, Milan Cast, Conductor: Sabajno (Recorded).

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 5.15 a.m.
11.10 a.m.—Concert from Deutsch-landsender. 12.5 p.m.—Review.
12.15—"Bremen Stadtmusikanten";
Rinne (Clarinet). 1.0—News. 1.20—

FRIDAY (November 6)

Music. 2.0—Exchange. 2.15—Shipping. 2.30—from Bremen—Kruschek (Violin), Hertzel (Baritone). 3.0—See Deutschlandsender; at 3.45: Talk. 4.30—Music Talk: Schaub. 5.0—Records. 5.45—Shipping. 6.0—"Automatic Machines"—Radio Picture. 6.45—Review. 7.0—News. 7.10—See Berlin. 9.0—News. 9.30-11.0—See Stuttgart.

HILVERSUM (1,875 m.)

HILVERSUM (1,875 m.)

(Holland)

160 kc/s; 10 kW. until 2,40 p.m.;

190 kW. from 2,40 p.m.

N.C.R.V. Programme.

7,40-9.10 a.m.—Bible Reading;

Meditation; Records. 10.10—Service

10.40—Seiverling ('Cello) and de
Groot (Pfte.). 11.40—Announcements; Records.

12.10 p.m.—Van der Horst Ensemble.

1.40—Records. 2.10—Reading. 2,40-3,25—Mme. Oskam-van Rangelrooy

(Soprano) and v.d. Vet (Pfte.).

3.40—Blaauw (Organ). 4.40—Hock
stra (Recitations) and Records. 6.10—

Talk; Announcements; Literary

Review; Report. 7,40—News.

7.50—N.C.R.V. Wind Band. Conductor: v.d. Hurk. 8,40—Talk.

9,10—N.C.R.V. Symphony Orchestra.

Conductor: v.d. Hurk: at 9,40;

News. 10.10.10.11.10—Records; Bible

Reading.

Reading.

HILVERSUM (301.5 m.)

HILVERSUM (301.5 m.)

(Holland)

995 kc/s; 15 kW until 2.40 p.m.;
60 kW from 2.40 p.m.
7.40 a.m.—V.A.R.A. Programme. Records.
9.40—V.P.R.O. Religious Programme.
9.55-11.40—V.A.R.A. Programme.
9.55-2 Recitations. 10.15—" Melody Circle." Conductor: Wins. 10.50—Recitations. 11.10—De Flierefluiters.
Conductor: v.d. Horst; Songs.
11.40 a.m.-3.40 p.m.—A.V.R.O. Programme.
11.40—Time; Records.
12.10—The Minstrels.- In the interval: Palla (Organ). 1.50—Fashion Talk.
2.10—Veen (Pfte.).
2.55—A.V.R.O. Dance Band. Conductor: Mossel.
3.40—7.40—V.A.R.A. Programme. 3.40—Records. 4.40—For Children. 5.10—Jong (Organ). 6.10—Weekly Political Review. 6.30—Records; at 6.40-7.0—Talk. 7.30—News.
7.40-10.40—V.P.R.O. Programme. 7.40—Notes; Talk.
8.10—Mlle. Kaiser (Pfte.). 8.40—Talk.
9.10—Mlle. Kaiser (Pfte.). 9.40—Talk.
10.10—Records. 10.20—Service.
10.40—Announcements; Report on the Six Days' Cycle Race. 11.15-11.40—Records.

KALUNDBORG (Denmark)

KALUNDBORG (Denmark)
240 kc/s (1,250 m.); 60 kW. Relays
Copenhagen, 1,176 kc/s (255.1 m.).
Transmits at intervals from 6.0 a.m.
11.0 a.m.-1.0 p.m.—Andersen String
Ensemble: 1.50—Hansen Instrumental Ensemble; at 2.35: For Women.
3.50—Wireless Notes. 4.0—Jørgensen's Lyrics. 4.25—Weather. 4.40—Exchange; Markets. 4.50—Petersen (Accordion). 5.15—Weather. 5.35—German Lessons. 6.0—News. 6.30—Scandinavian Review.
7.0—Carillon Recital from the Church of Our Saviour. Vor Fulsers Klokkesang. Reformation Hymns.
Te Deum.
7.10—Festival Service for the Fourth Centenary of the Reformation in Denmark, from Copenhagen Cathedral.
Copenhagen Boys' and Men's Choir.
Orchestra. Conductor: Wöld'ke.
Organ. 8.40—"Cape Farewell"
(Harry Martinson). 9.0—News.
9,15-11.0—Light Music from the Ritz.

KÖNIGSBERG (No. 1)

KÖNIGSBERG (No. 1)

(Heilsberg) (Germany)

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

Transmits at intervals from 5.0 a.m.

11.0 a.m.—See Deutschlandsender.

12.0 noon—News. 12.15 p.m.—See Frankfurt. 1.0—News. 1.10—Light Orchestral. 2.0—For Children, 2.25—Talk. 2.45—Concert on Records. 4.20—Portrait in Letters (arr. Frinckenstein). 4.45—Report from the Trakehnen Stud. 5.0—Light Orchestral. 6.0—Announcements. 6.10—Call of Trakennen Stud, 3.0—Light Orthestrat. 6.0—Announcements. 6.10—Call of Youth. 6.20—Danzig Youth talks about the Homeland. 6.45—Topical. 7.0—News. 7.10—See Berlin, 9.0—News. 9.20—Talk: Slav and Teutonic Villages and

Towns. 9,40-11.0—Dance and Light Music Börschel Band

FRIDAY (November 6)

LAHTI (Finland)

LAHTI (Finland)

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

Transmits at intervals from 6.5 a.m.

4.0 p.m.—Talk. 4.25—Mandoline
and Xylophone. 5.0—News (Finnish,
Swedish). 5,15—Report. 5.40—
Tauno Korhonen (*Cello). 6.0—Talk.
6.30—Radio Orchestra. Conductor:
Haapanen. 7.45—News (Finnish,
Swedish). 8,10-10.0—Classical 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 Deutschlandsender.
12.0 noon—News.
12.15 p.m.—See Frankfurt.
1.0—News.

News.

1.15—Variety from Deutschlandsender. 2.0—For Women. 3.0—Records.
3.40—Exchange. 3.50—"Münchausen"—Play (Ruckscheio); Games.
4.40—Talk: Germanic Gods.
5.0—Dresden Trio, Wehding Pfte.), Putsche Band. 6.40—Talk: The Nation's Food. 6.50—Review. 7.0—News.

News.
7.10—Dapce Music and Light Music.
Orchestras, Anny Oesterreicher
(Coloratura-Soprano), Priem (Tenor).
9.0-News.
9.30—" Kronstadt"—Sequence (Rei-

mesch). 10.30-11.0—Orchestra from Stuttgart.

LILLE (Radio PTT Nord)

(France)
1,213 kc/s (247.3 m.); 60 kW.
Transnits at intervals from 6.50 a.m.
8.30 p.m.—See Paris (PTT). 10.30—
News.

LYONS (PTT) (France)
648 kc/s (463 m.); 100 kW.
Transmits at intervals from 6.50 a.m.
5.30 p.m.—Milc. Chenu (Soprano).
Zighera (Violin). Sonata (Handel).
Frauenliebe und-Leben (Schumann).
Intrada (Desplanes). Songs (Mussorgsky): (a) Trepak, (b) Berceuse, (c) Hopak. Le printemps (Milhaud).
Caprice (Paganini - Kreisler).
Réponse d'une epouse sage (Roussel). Chant hassidique (Milhaud).
Spanish Dance (Granados-Thibaud).
6.30—News. 7.30—Request Records.
8.0—Talks.
8.30—See Paris (PTT). 10.30—News.

News. 11.0—See Paris (Radio-Paris).

MONTE CENERI (Switzerland)
1,167 kc/s (257.1 m.); 15 kW.
Transmits at intervals from 11.0 a.m.
7.50 p.m.—"La gran voce"—Five-Act Play (Frigerio),
8.35—La Melodia Choir. Si faccia silenzio (Mazzulani). Barcarolle (Campana). Alpine Song (Ghislanzoni). Carità (Rossini). Torna al mio amor (Tessaro).
9.5-9.15—Records: Folk Dances.

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 Deutschlandsender.
12.0 noon—News. 12.15 p.m.—
Dance Band. 12.45—News.
1.0-2.0—See Deutschlandsender., 2.40
—Augsburg Anecdotes. 3.0—Markets.

kets.
3.10—"Mary Stuart"—Biographical
Sketch (Schleifer), with Music.
3.50—Chamber Music with the Station
Choir. 4.45—Call of Youth. 4.50—

3.50—Chaine. Choir. 4.45—Call of Youn. Markets. 5.0—Light Orchestral; at 5.30: Topi-

5.0—Light Orchestral; at 5.30: Topical.
6.0—Pfte. Concerto in D minor (Brahms) by Frey, and the Station Orchestra. Conductor: Winter. 6.45
—Talk: Unemployment. 7.0—News., 7.10—See Stuftgart. 8.0—"Perpetuum mobile"—Variety from Saarbrücken. 9.0—Time; News. 9.20—Talk: Olympic Victors. 9.30 (from Nürnberg)—Elisa Claron (Songs). 9.45 (from Nürnberg)—Sonata in D for Two Pftes. (Mozart). 10.0-11.0 (from Nürnberg)—Serenade—Weidig Band and Artists.

—weidig Band and Artists.

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 Trendelag, 629
kc/s (476.9 m.

Transmits at intervals from 10.40 a.m.

Refs (470.9 m. Transmits at intervals from 10.40 a.m. 4.0 p.m.—Concert. 5.0—English-Lesson. 5.25—Recital by Inger Mikkelsen and Naalsund. 5.50—

News, 6.30—Time: For Farmers, 6.45—Homme (Accordion), 7.0—Scandinavian Review, 7.25—Helga Lökke (Violin), Adagio and Fugue from the Sonata in Gminor (Bach), Poème (Chausson), 8.0—Sketch, 8.25—Medical, Talk, 8.40—News, 9.0—Topical, 9.15-9,45—Male Voice Choir,

PARIS (Eiffel Tower) (France)

PARIS (Eiffel Tower) (France)
1,456 kc/s (206 m.); 5 kW.
Transnits at intervals from 8.0 a.m.
7.0 p.m — News; Racing. 7.20—
Foreign Affairs; Science Talk; Colonial Notes. 7.45—News. 7.55—
Film Talk. 8.5—Home Affairs.
8.30—Debussy Concert with Introductory Talk. Germaine Cernay (Songs). Maillart-Verger (Pfte.) and Quesnel (Violin). Hommage à Haydn. Trois épigraphes antiques. Voiles. Des pas sur la neige. Ondine. Five Baudelaire Poems, Suite Bergamasque. Pfte. and Violin Sonata.

PARIS (Poste Parisien) (France)

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. 12.39—Lecuona Cuban Boys.
1.19—Radio Amateur Prize-winners
at the Microphone. 1.35—Records:
Light Music. 2.0, 3.45, and 4.35—
Exchange. 6.0—Call. 6.2—Topical.
6.9—Records. Overture, "Phédre"
(Massenet). Excerpt, "Tosca"
(Puccini).
6.25—Talk. 6.30—Exchange. 6.35—
For Women. 7.6—News. 7.30—
The Week's Events. 7.37—Song
Records. 7.52—Talk. 7.55—Song
Records. 8.5—Paul Reboux.
8.20—"Under the Lamp"—Sketch
(Diamant-Berger). 8.55-12.0 m't—To
be announced.

be announced.

be announced.

PARIS (PTT) (France)

695 ke/s (431.7 m.); 120 kW.
Transmits at intervals from 6.50 a.m.
5.0 p.m.—Gluck Concert. Pasdeloup
Concert Orchestra. Conductor:
Cloez. Ballet, "Paris and Helen."
Overture ard Scene, "Orpheus."
5.30—Economics. 5.40—Talk arranged by the International Labour
Office. 5.50—Literary Review.
6.0—Pasdeloup Concert Orchestra.
Conductor: Cloez. Rosine Schor
(Songs). Overture, "A Night in
May" (Rimsky-Korsakov). Song
without Words (Tchaikovsky). Elrower Waltz (Tchaikovsky). Berceuse (Milhaud). Villanella (Berlioz). La Fauvette (Bénédict).
Wiegenlied (Brahms). 6.30—News;
Topical.

Wiegenfied (Brahms). 6.30—News; Topical.
7.38—Suite pastorale (Chabrier) by the Pasdeloup Concert Orchestra. Conductor: Cloez. 8.0—Music Talk. 8.30—"Marie Tudor"—Play in Three Acts (Victor Hugo), by Comédie-Française Players; Production by Edmond Guiraud. 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—Records.
11.0—Chausson Records.
11.30—For Farmers. 11.45—Jewish Talk.
12.15 p.m.—Records; Dances of
1900. 12.45—News; For Ex-Servicemen. 1.0—Records. 1.15—Mme.
Jeanne Andral (Songs). 1.30—Records
of Famous French Instrumentalists.
2.0—Talk: Reminiscences of Paris.
2.15—Reading (Séverine). 2.30—
Records. 3.0—Records: Symphonic
Marches. 3.30—Talk: Marguerite
de Valois. 3.45—Talk. 3.55—Review.
4.0—Chamber Music by the Zagreb
Quartet. String Quartet (Odak).
5.0—English Lesson. 5.20—Film
Review.
5.30—Pasdeloup Concert Orchestra.

Quartet. String Quartet (Ocas).
Quartet in E (Dvořák).
5.0—English Lesson. 5.20—Film Review.
5.30—Pasdeloup Concert Orchestra.
Conductor: Cloez. Rosine Schor (Songs). Excerpts, "Tannhäuser" (Wagner). Songs (Grétry, Gaubert, Rossini, Büsser).
6.0—For Women: Notes; Gilberte Lyon (Pfte.). Prelude and Fugue (Bach). Impromptu in B flat (Schubert); Book Talk.
6.30—Pasdeloup Concert Orchestra.
Conductor: Cloez. 2nd Symphony (Beethoven). Masques et Bergamasques (Fauré). Pastorale d'été (Honegger). Danse britannique (Florent Schmitt).
7.30—Theatre Review. 7.40—Hunting Notes. 7.50—Talk: Dietetics.
8.0—Marguerite Girard (Songs), Mile. Dominique Jeanes (Pfte.). Part I: Songs. Le colibri (Chausson). D'une prison (Hahn). Mandoline (Debussy). Le bateau rose (Hüe). Part II: Pfte. Valse impromptu (Liszt). Waltz in A flat (Brahms). Soirée dans Grenade (Debussy). Dance, "La Vida breve" (Falla). Danse sauvage (Ralton).
8.30—News. 8.45—"Le jour et la nuit"—Three-Act Opéra-bouffe (Lecocq). Conductor: Labis.

11.0-12.45 a.m. (Saturday)—Station Orchestra. conductor: Rhené-Baton. Estro armonico concerto (Vivaldi). Cantata, Ich habe genug (Bach). Suite, "Pelléas et Méli-sande" (Sibelius). Concerto di camera (Barraud). Corsican Folk Suite (Martelli).

PRAGUE (Czechoslovakia)

PRAGUE (Czechoslovakia)
638 kc/s (470.2 m.); 120 kW.
Transmits at intervals from 5.15 a.m.
2.0 p.m.—See Brno. 3.0—Exchange.
Weather. 3.10—Dance Music from
Moravská-Ostrava. 3.45—New Poetry.
3.50—String Quartet in D (Franck) by
the Ondricek Quartet. 4.40—Recitations. 4.50—Markets. 5.0—For
Workers. 5.10—Talks in German.
5.45—News and Art Review in Ger-



Arthur van Oost, composer of the operetta which Brussels No. 2 broadcasts (8.3 p.m.)

man. 6.0-News. 6.10-Review. 6.20 Folk Songs by Stepanová (Mezzo-

Folk Stars of Sopranol of the Market Comedy (Erben), with Music by Vorel. 7.35—Light Music and Dance Music from Kosice. 8.15—Discussion: Soviet

Youth. 8.35—See Bratislava. 9.0—Time; News. 9.15 — Ballet (Schmelzer). FOC Orchestra. Conductor: Smetacek. 9.45-10.0—News in Russian.

RADIO CÔTE D'AZUR (Juan-

les-Pins) (France)
1,276 kc/s (235.1 m.); 27 kW.
Transmits at intervals from 12.15 p.m.
6.15 p.m.—Spanish Lesson. 7.0—
Light Orchestral. 7.25—Amusements;
For Children. 7.30—Sports. 8.0—
News. 8.15—Variety. 8.30—Light
Music. 10.0—News. 10.15—Dance
Music.

RADIO-NORMANDIE

RADIO-NORMANDIE

(France)

1,113 kc/s (269.5 m.); 15 kW.

7.0 a.m.—Military Band; at 7.10; News. 8.0—Jack Savage and his Cowboys. 8.15—Records. 8.30—Songs. 9.0—Records. 9.15—Light Music. 9.30—Records. 10.0—Light Music. 10.15—Records. 10.0—Light Music. 10.15—Records. 10.0—Light Music. 10.15—Records. 11.0—Classical Music. Unfinished Symphony in B Minor (Schubert). Spanish Symphony (Lalo). Concerto in A Minor (Schumann).

12.0 noon—Records. 12.40 p.m.—News. 1.0—Concert. 2.0—Records. 2.30—Dance Music. 3.0—Light Music. 3.30—Cinema Organ. 3.45—Concert. 4.45—For Children. 5.0—Records. 5.15—Light Music. 5.30—London Music. 5.45—Light Music. 6.0—Children's Corner. 6.45.—Talk; Racing. 7.0—Concert. 7.40—News. 8.0—Concert. 8.30—Records. 8.45—Variety. 9.0—Concert. 11.0—Dance Music. 11.30—From the Cabane Normande. 12.0 m't—Records. 12.30-1.0 a.m. (Saturday)—Dance Music.

RADIO-ROMANIA (Brasov)

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

ROME (Italy)

(281.1 m.). (1819)
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. 4.15—4.50—See
Turin. 5.50—Dopolavoro Notes. 6.0
—Records; News and Talk in Dutch.
6.20—News in Foreign Languages.
7.5—Time; News. 7.30—Government Notes. 7.40—"The Cinema Girl"—Three-Act Operetta (Weinberger). Conductor: Lombardo. In the intervals: Talks. 10.0—News.
10.15-11.0—Dance Music.

SOFIA (Bulgaria)
850 kc/s (352.9 m.); 1 kW.
Transmits at intervals from 5.0 a.m.
5.0 p.m.—Songs. 5.20—Light Music.
5.40—Pfte.
6.20—Symphony Concert; at 6.50:
Talk. 7.45—News. 8.0-9.0—Light
Music and Dance Music; at 8.35:
Notes.

SOTTENS (Switzerland)
677 kc/s (443.1 m.); 100 kW.
Relayed by Geneva, 401 kc/s
(748 m.).
11.0 a.m.—Radio, Suisse romande
Orchestra. Conductor: Haug.
Overture, "Cosi fan tutte" (Mozart). Symphony in B flat (Haydn).
11.30—News. 11.40—Viennese Folk
Music (Komzak) by the Radio Suisse
romande Orchestra. Conductor:
Haug. 12.0 noon—Orchestra. 12.451.0 p.m.—Financial Report. 3.29—
Time.

Time.
3,30-5.0—See Beromünster.
5,0—Interlude. 5.15—Bridge Lesson.
5,30—Announcements. 5.35—Sports.
5,50—For Alpinists. 6.0—Parliamentary Notes. 6.15—Radio Magazine.

tary Notes. 6.15—Radio Magazine. 6.50—News. 7.0-9.15 (approx.)—Programme from Geneva. 7.0—Financial Report. 7.20—Variety. Engel Orchestra and Artists; at 7.45-8.15—Casino Theatre Troupe. 8.55—League of Nations

STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW. Relayed by Motala, 216 kc/s (1,389 m.); Göteborg, 941 kc/s (265.3 m.), and Boden, 392 kc/s (765 m.). ransmits at intervals from 6.20 a.m. .0 p.m.—Björling Vocal Quartet.

30—Talk.
55—Concert for Gustavus Adolphus
Day. Station Orchestra. Conductor: Grevillius. Uppsala Students' Choir. Festival Overture
(Norman). Address, Choir. Overture (Nicolai). Threnody (Boltzius).
Royal Hymń (Liljefors). Hynin
(Alfvén).
45—News.

(Alfvén).
8.45—News.
9.0-10.0—Popular Orchestral: Conductor: Grevillius, Selection, "The Tsarevitch" (Lehâr). London Suite (Coates). Irish Melody (Grainger). Molly on the Shore (Grainger). Spanish Serenade (Glazunov). Selection, "Oh, Kay" (Gershwin).

STRASBOURG (France)

859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.45 a.m. 8.30 p.m.—See Paris (PTT). 10.30— News. 11.0—News in German. 11.15 p.m.-12.45 a.m. (Saturday)— Concert, from Paris (Radio-Paris).

STUTTGART (Germany)
574 kc/s (522.6 m.); 100 kW.
Transmits at intervals from 5.0 a.m.
11.0 a.m.—See Deutschlandsender.
12.0 noon—News.
12.15 p.m.—See Frankfurt.
1.0-2.0—See Deutschlandsender.
2.30
—Fairy Play.
3.0—See Deutschlandsender; at 3.50:

Talk.

Talk.

4.30—Trenkner Songs by Maria Caroni, the Composer at the Pfte.

5.0—"Round the World in Sixty Minutes" — Records. Music of Sweden, Norway, France, England, Italy, Hungary, Czechoslovakia, Poland, Romania, Mexico, The Argentine and U.S.A. 6.0—Wonders of the Universe (111).

6.20—Ballads (arr. Scholler). 6.45—Talk. 7.0—News.

7.10—Variety Concert—Station Orchestra and Artists.

8.10—"Die Schicksalsbrücke über den

8.10—" Die Schicksalsbrücke über den Rhein "—Play (Kanig). 9.0—Time;

News.

9.30—Station Orchestra. Conductor:
Schröder. Overture, "Der Schauspieldrektor" (Mozart). Ballet,
"Les petits riens" (Mozart). Tarantella (Auber). Overture, "Undine" (Lortzing). Selection, "Madame Butterfly" (Puccini). Waltz (Richarte). Ballet, "Les millions d'Arlequin" (Drigo). Song without Words (Tchaikovsky). Czardas, (Strauss). March (Haller-Goettler).

11.0 p.m.-1.0 a.m. (Saturday)—Sce Frankfurt.

TOULOUSE (Radio-Toulouse)

913 kc/s (328.6 m.); 60 kW.
Transmits at intervals from 8.0 a.m.
7.55 p.m.—News.
8.10—Song Duets.
8.25—Orchestra.
8.40—Excerpts, "Faust" (Gounod).
8.55—News.
9.10—Successes of Yesterday and To-day—Fantasy.
9.45—Paris Programme. 10.15—Selection,
"The Love Parade" (Schertzinger).
10.40—Viennese Orchestra.
10.55—News.

News.
11.0—Operctta Songs.
11.15—Dance Music. 11.40—Chansonnettes. 11.55—News. 12.5 a.m.
(Saturday)—Light Music. 12.20—
Hunting Horns. 12.30—Announce-

TURIN (No. 1) (Italy)
1,140 kc/s (263.2 m.); 7 kW.
Relayed by Milan (No. 1), 814 kc/s
(368.6 m.); Genoà, 986 kc/s (304.3 m.); Trieste, 1,140 kc/s (263.2 m.);
Florence, 610 kc/s (491.8 n.);
Bolzano, 536 kc/s (559.7 m.); and
Rome (No. 3), 1,258 kc/s (238.5 m.).
Transmits at intervals from 6.45 a.m.
4.0 p.m.—News. 4.15-4.50—Angelini
Dance Band. 5.50—Dopolavoro
Notes. 6.0—News in Foreign Languages. 7.5—News. 7.30—Government Notes.

guages. 7.5—News. 7.30—Government Notes.
7.40—Cesare Barison (Violin), with Morosina Barison (Pfte.). Concerto in D minor (Tartini). Le streghe (Paganini). Poupée valsante Poldin-Kreisler). Noctume (Boulanger). Caprice (Wieniawski). 8.20—Talk. 8.30—Songs and Dances. Conductor: Barzizza. 9.30—Announcements. 9.40-11.0—Light Orchestral; at 10.0: News.

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.); Klagenfurt and Vorariberg,
1,294 kc/s (231.8 m.); and Salzburg,
1,348 kc/s (222.6 m.).

Transmits at intervals from 6.0 a.m.
6.0 p.m.—Time; News.
6.20—Wolf Songs by Duhan (Baritone) and Patzak (Tenor). Wenn
ich in deine Augen seh'. Du bist
wie eine Blume. Mädchen mit dem
roten Mündchen. Spätherbstnebel.
Mit schwarzen Segeln. Sterne mit
den goldnen Füsschen. Wie des
Mondes Abbild zittert. Ein Grab.
Stängchen. Andenken. Nach dem
Abschiede. Ja, die Schönst', ich
sagt' es offen. Auf der Wanderung.
7.0 — Light and Dance Music.
Station Orchestra. Conductor:
Holzer. Mathe Band, "Modernes."
Quartet. 9.10—News.
9.20—Esperanto Notes.
9.30—Wolferl Quartet. 10.30—Announcements. 10.40-12.0 m't—Re-

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); Lódz, 1,339 kc/s
(224 m.); Lówy, 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.
11.3 a.m.—Records of Armand Grabbe
(Baritone) and John McCormack
(Tenor). 11.40—Talk. 11.50-12.0
noon—News. 2.0 p.m.—Economics.
2.15—Station Orchestra and others.
Conductor: Górzyński. 2.55—Holiday Hints. 3.0—Film and Art Review.
3.10—Talk. 3.15 (from Lwów)—For Invalids.
3.30—Cracow Station Quartet

Names.

30—Cracow Station Quartet Marche lorraine (Ganne). Waltz (Strauss). Aria, "Iolanthe" (Tchaikovsky). Minuet (R. Strauss-Willnet). Spanish Dance (Albéniz-Peters). Prelude (Prøsnak-Macalik). Bolero (Moszkowski). 3.30-Cracow

4.0—Reading.

4.0—Reading.
4.15—Blaschke ('Cello), Korwin-Krukowska (Songs). 'Cello: (a) Largo (Handel), (b) Romance (Debussy), (c) Les cloches (Debussy). Songs (Zelenski, Gall). 'Cello: (a) Reigen (Popper), (b) Pavane (Ravel), (c) Scherzo (van Goens). Songs (Cui, Niewiadomski, Moniuszko).
4.50—Topical. 5.0—Sports. 5.20—Notes. 5.50—For Farmers. 6.0—Reading. 6.20—Songs.
6.45—Opera Excerpt. 7.0 (from Poznań—Talk: Orchestral Instruments. 7.15 (from Lwów)—"The Forester of Kozienica"—Opera (Kurpinski). 8,15—News; Topical. 8.30—Records: Light Music.

9.0—Warsaw String Quartet. Chaconne (Purcell). Doric Quartet (Respighi).

9.30 (from Poznań)—Sketch. 9.45—Dance Music.

2 p.m.

BRUSSELS (1), 2.45 — Records: "Manon" (Massenet).

PARIS (PTT), 2.30 — Concert for

3 p.m.

BRATISLAVA, 3.45—For Children.
BRUSSELS (1), Records: "Manon"
(contd.). BRUSSELS (2), Antwerp
Scala Orchestra. 3.45—Talk.
COLOGNE, Light Orchestral; at
3.45—Books.
DEUTSCHLANDSENDER, "Some-

DEUTSCHLANDSENDER, "Some-thing for Everybody"—Records. HILVERSUM (1,875 m.), For Chil-dren. 3.40—Jewish Religious Pro-gramme. HILVERSUM (301.5 m.), Chess. 3.10—Dance Band. 3.30—

Talk.

KALUNDBORG, Radio Orchestra.

3.56—Poem.
MONTE CENERI, BEROMÜNSTER and SOTTENS, 3.30—Dance Music from the Kursaal, Lugano.MUNICH and MOST GERMAN STATIONS, "For Young and Old"—Popular Music

Music.

PARIS (PTT), Concert for Hospitals (contd.). 3.30—Talk. 3.50—Elisabeth Kotlaroff (Songs).

PRAGUE, 3.5—Orchestra. 3.45—

For Children.
RADIO-NORMANDIE, Light Music.
3.30-Records. 3.45—Jack Savage
and his Cowboys. RADIO-PARIS,

and his Cowboys. RADIO-PARIS, For Children.
STOCKHOLM, 3.5—For Children.
3.35—Norwegian Music, by Mary Barratt-Due (Pfe.).
VIENNA, Vienna Schubert Society and Lyric Quartet. 3.20—News. 3.25—Talks.
WARSAW, 3.15—Inauguration of the New Radio Station at Wilno. Addresses; Songs by Contemporary Wilno Composers.

4 p.m.

BRATISLAVA, For Children. 4.35—
Reviews. BRNO, 4.40—Hunting and Drinking Songs in German.
BRUSSELS (1), Records, "Manon" (contd.). 4.55—News.
BRUSSELS (2), Liszt Festival, Concert from Antwerp. Royal Flemish Conservatione Choirs and Orchestra; the St. Cecilia Choir. Conductor: de Vocht. BUCHA-REST and RADIO-ROMANIA, Military Band. BUDAPEST (1), 4.50—Daisy Guth (Pfte.).
COLOGNE, Light Orchestral.
DEUTSCHLANDSENDER, "Something for Everybody "—Records.
HILVERSUM (1,875 m.), Jewish Religious Programme. 4.40—K.R.O. Boys; Records. HILVERSUM (301.5 m.), Talk. 4.10—Play. 4.40—V.A.R.A. Orchestra.
KALUNDBORG, Talk. 4.40—Exchange. 4.50—Records.

Play. 4.40—V.A.R.A. Ulcirosta. KALUNDBORG, Talk. 4.40—Ex-change. 4.50—Records.

change. 4.50—Records.

MONTE CENERI, BEROMÜNSTER
and SOTTENS, Talk. 4.10—Orchestra; 'Cello (Paisiello, Boccherini, Mozart, Beethoven). MUNICH and MOST GERMAN
STATIONS, "For Young and Old"
(contd.).

(contd.).
OSLO, Records.
PARIS (PTT), Marius Casadesus
(Violin); Suzette Delfaud (Pfte.).
4.30 — Pas deloup Concert.
PRAGUE, For Children. 4.35—
Talks. 4.55—Sports (in German).

RADIO-NORMANDIE, Concert. 4.45

—For Children. RADIO-PARIS,
Light Music by the Pascal Orches-

tra.

STOCKHOLM, 4.5—The Ceremony of the Chairing of a Professor at Uppsala University. STRAS-BOURG, 4.30—See Paris (PTT).

TURIN and ROME, News. 4.15—Dance Music. 4.55—Talk.

VIENNA, 4.5—Records.

WARSAW, Service. 4.50—Books.

5 p.m.

ATHLONE, 5.30—Programmes. 5.45
—Tea-Time Music—Wood Wind
Ensemble and Song Records.
BERLIN, Sports. 5.15—"Elisabeth
Tabor"—Play with Music (Borck-

Talk by Felix Moeschlin, 5.00—Music. 5.40—Talk: The British Empire and India. BRATISLAVA, Hungarian Transmission. Talk; Two Plays. BRESLAU, Talk. 5.20—"Youth travels to a foreign Land"—Sequence (Müller). 5.50—Programmes. BRNO, German Songs (contd.). 5.15—Dance Band. BRUSSELS (1), Talk. 5.15—Dance Band. BRUSSELS (2), Liszt Festival Concert (contd.). 5.30—Quartet in A minor (Bélasartók) (Records). BUCHAREST and RADIO-ROMANIA, Topical. 5.15—Dances. BUDAPEST (1),

Daisy Guth (Pfte.). 5.30—Radio Competition Results.
COLOGNE, Programmes. 5.5—Lecture Recital: Popular Instruments. 5.30—Male Voice Choir.
DEUTSCHLANDSENDER, Folk Songs and Dances. 5.40—Weekly Sports Bulletin.
FRANKFURT, Marches on Opera Themes. 5.45—Lincke's Seventieth Birthday — Lecture Recital (Recorded).

Birthday - Lecture Corded).

HAMBURG, Light Music and Dance Music. HILVERSUM (1,875 m.), K.R.O. Boys; Records. 5.25—For Scouts; Records. HILVERSUM (301.5 m.), V.A.R.A. Orchestra. 5.20—Talk. 5.40—Organ;

SUM (301.5 m.), V.A.R.A. Orchestra, 5.20—Talk, 5.40—Organ; Songs.

KALUNDBORG, Records. 5.15—Weather, 5.35—French. KÖNIGS-BERG, Lincke Records.

LEIPZIG, Talk, 5.15—Folk Songs.

MUNICH, Light Music by the Augsburg Dance Band, 5.50—"Hitler Youth greets old Members of the National Socialist Movement."

OSLO, For Children. 5.30—Economics. 5.50—News.

PARIS (PTT), and STRASBOURG, Pasdeloup Concert. PRAGUE, German Transmission. Talk; Folk Songs. 5.45—News (German).

RADIO - NORMANDIE, Records; Light Music. RADIO-PARIS, Literary Review. 5.15—Talk. 5.30—Records: Italian Bel Canto.

SOTTENS, Chimes. 5.10—For Children. STOCKHOLM, From Uppsala University (contd.). 5.10—Records. STUTTGART, Weekly Sound News. 5.30—Alemanic Folk Music by the Berne Yodelling Club.

TURIN and ROME, Talk. 5.10-5.40—

Club.
TURIN and ROME, Talk. 5.10-5.40—
Rural Programme. 5.50—Dopola-

voro Notes.
VIENNA, Folk Songs and Viennese
Music. 5.30—Foreign Affairs.
WARSAW, Topical.

6 p.m.

ATHLONE, Tea-time Music (contd.) 6.35—Irish News Feature. 6.45—

News.

BERLIN, Romantic Music (Schumann, Chopin; Wetzel, Fuchs). 6.45—
Evening Echoes. BEROMUNSTER, Chimes; Markets. 6.20—Opera Music. 6.30—News. 6.40—
"Wannsee, November 23rd, 1811"
—Sequence about Kleist (Schirokauer). BRESLAU, Concert on Records. 6.45—Sound News. BRUSSELS (1), Labour Office Report. 6.15—Symphony Orchestra; Mme. Schreiden-Funcken (Pfte.). (Mozart, Grieg, Mendelssohn). BRUSSELS (2), Talk. 6.15—Records. 6.45—Talk. (BU-CHAREST and RADIO-ROMANIA, Talk; Dances. BUDAPEST (1), Station Orchestra.

COLOGNE, Kleist—Dramatic Programme. 6.45—Snapshots.

DEUTSCHLANDSENDER, "From Brasserie to Dance Hall"—A Trip round Berlin. Sound News in the interval. 6.45—Topical.

FRANKFURT, "Lincke's Seventieth Birthday" (contd.). 6.30—Reviews. News.
BERLIN, Romantic Music (Schumann,

Birthday" (contd.). 6.30—Reviews.

HAMBURG, Songs and Music by Village Youth. 6.25—Talks. HILVERSUM (1.875 m.), Press Review; Records; Police Messages. HILVERSUM (301.5 m.), Organ; Songs. 6.10—A Radio Pilm. 6.40—V.R.O. Talk.

KALUNDBORG, News. 6.30—Discussion. KÖNIGSBERG, Local News. 6.10—Talk. 6.30—Where are you, Comrade?"

LEIPZIG, "An Evening with Chopin"—Sketch (Hänsler) with Blumer (Pfte.).

MONTE CENERI, Records. 6.45—Review. 6.30—Records. 6.45—Review. 6.45—Review. Huthoral

Review. 6.30—Records. 6.45—
News. MUNICH, "Hitler Youth greets old Members of the National Socialist Movement" (contd.). 6.20—Talk. 6.30—Gigli Records. 6.40—Novellette in D (Schumann). 6.50—Topical.

OSLO, News. 6.30—Station Orchestra.

Tra.

PARIS (PTT), Pasdeloup Concert.
6.30—News. POSTE PARISIEN,
Call; Roman Catholic Review;
Records. 6.30—Exchange; Dialogue Song Records.
6.47—
Foreign Affairs. PRAGUE, News.
6.15—Light Music and Dance
Music.

Light Music. 6.55—News; Sports TURIN, News in Foreign Lan-

guages,
VIENNA, News. 6.15—Franz
Wagner (Pfte.) (Schumann, Schubert, Chopin).
WARSAW, For Poles Abroad. 6.30
—Light Orchestral.

7 p.m.

ATHLONE, Interview. 7,15— Michael O'Gallaghan (Songs). 7.25— The new President of America by M. Barrow. 7.40—Slices of Life. by M. Barrow. Life. BERLIN, News.

July Barlow. 1.40—Slices of Life.

BERLIN, News. 7.10—Non-Stop Variety Concert. BEROMÜNSTER. Sequence about Kleist (contd.) 7.40—The Zürich Radio Ball. BRUSSELS (1), Orchestra and Pfte. (contd.) 7.15—Reviews. 7.30—News. BRUSSELS (2), Lecture - Recital: Walloon Folk Songs. 7.30—News. BUCHAREST and RADIO-ROMAMIA, Letters, 7.25—Radio Dance Band. BUDA-PEST (1), Three One-Act Plays. 7.55—News.

PEST (1), Three One-Act Plays. 7.55—News.
DEUTSCHLANDSENDER, News. 7.10—Paul Lincke Concert for the Composer's Seventieth Birthday.
HAMBURG, News. 7.10—"Frau Luna"—Operetta. (Lincke). HILVERSUM (1,875 m.), Talk. 7.15—Topical; News; Prayer', Records. HILVERSUM (301.5 m.), V.R.O. Talk. 7.40—News. 7.55—Records.

cords. HILVERSUM (301.5 m.), V.R.O. Talk. 7.40—News. 7.55—Records.

KALUNDBORG, String Quartet in A minor (Mendelssohn). 7.30—Weekly Review. 7.40—Radio, Ball for the Younger Generation.

KÖNIGSBERG, BRESLAU. COLOGNE, FRANKFURT, LEIPZIG and STUTTGART, News. 7.10—"Mariellche in the Land of Lakes and Elks"—Play with Music (Reisner-Börschel).

LILLE, Music-Hall. 7.30—Records. MONTE CENERI, To be announced. MUNICH, News. 7.10—Lincke's Seventieth Birthday—Lecture-Recital (Recorded). 7.50—Munich Humour and Variety.

OSLO, Station Orchestra; at 7.5, Talk. 7.45—Sionée arranged by the Authors' Association.

PARIS (PTT), Review. 7.38—Talk. 7.45—Sione Jacsont (Pfte.). POSTE PARISIEN, 7.2—Records; Sports. 7.10—News; Amusements. 7.30—Records. 7.45—Film Music. PRAGUE, Discussions with Listeners. 7.15—Military Band.

RADIO-NORMANDIE, Concert. 7.40—News. RADIO-PARIS, Pagaraga, Pa

sions with Listeners. 7.15—Military Band.

RADIO-NORMANDIE, Concert.
7.40—News. RADIO-PARIS,
Waltz Records. 7.30—Talk. 7.45—
Racing. ROME, 7.5—Time;
News. 7.30—Talk. 7.40—
"Gente in treno"—One-Act Play
(Giannin).

SOTTENS, Weekly Sound News.
7.30—French Contemporary Music
—Radio Suisse romande Orchestra.
Maurice Perrin (Pite.). (Mompou,
Honegger, Ribier, Poulenc, Ravel).
STOCKHOLM, Old Dance Music.
7.15—Report. STRASBOURG,
Review. 7.30—News (French,
German).

TOULOUSE, Light Music. TURIN, 7.5—Time; News. 7.30—Talk. 7.40—Excerpts, "Consuelo"— Opera (Rendano).

VIENNA, Franz Wagner (Pfte.). 7,25

"Civil and Military"—Station
Orchestra and Military Band. WARSAW, Polish Folk Songs. 7.30 Reading. 7.45—News; Topical.

8 p.m.

ATHLONE, Slices of Life. 8.10—
Accordion Quartet, 8.30—Station Orchestra.

BERLIN, Variety Concert (contd.).

BEROMÜNSTER, The Zürich Radio Ball (contd.). BRUSSELS (1) Lully Records. 8.15—"L'Ecole des Femmes" — Five-Act Comedy (Molière). BRUSSELS (2), "De Blinkende Zonnekloppers" (Cabaret). BUCHAREST and RADIOROMANIA, Radio Dance Band; at 8.30—News. BUDAPEST (1), News. 8.15—Budapest Concert Orchestra. Orchestra.
DEUTSCHLANDSENDER.

DEUTSCHLANDSENDER, Paul Lincke Concert (contd.). EIFFEL TOWER, 8.30—Greek Classics: (a) "The Seven against Thebes."— Tragedy (Eschylus); (b) "Batrachomyomachia" (Homer). HAMBURG, "Frau Luna" (Lincke) (contd.). HILVERSUM (1,875 m.), Records. 8.25—K.R.O. Orchestra and Operetta Choir; Eilen Schwarz (Soprano); Vos-Mendes (Tenor). HILVERSUM (301.5 m.), Records. 8.30—Talk. 8.40—V.A.R.A. Theatre Orchestra.

KALUNDBORG, Radio Ball (contd.) at 8.50—Talk. KÖNIGSBERG, BRESLAU, COLOGNE, FRANK-

Nov. 7 SATURDAY

FURT, LEIPZIG and STUTTGART. "Marjeliche in the Land of Lakes and Elks" (contd.).

LILLE, Sports. 8,15—For House-wives. 8,30—Dramatic Programme.

MONTE CENERI, Opera Programme. 8,45—Talk. MUNICH, Munich Humour and Variety

(contd.).

OSLO, Authors' Association Soirée (contd.). 8.40—News.

PARIS (PTT), Films; Economics. 8.20—Reading. 8.30—Popular Concert. National Orchestra. André Asselin (Violin); Françoise Holney (Songs). POSTE PARISIEN, Paul Reboux. 8.15—Light Music. 8.30

cert. National Orchestra. Andre Asselin (Violin); Françoise Holney (Songs). POSTE PARISIEN, Paul Reboux. 8.15—Light Music. 8.30—Songs. PRAGUE, Programme for the Soviet Russian State Holiday. Orchestra and Recitations.

RADIO-NORMANDIE, Records. 8.40—Classical Music. 8.40—Classical Music. The Pastoral Symphony (Beethoven); Sonata (Saint-Saëns). RADIO-PARIS, Simone Sorelli (Songs); Marguérite Delcourt (Harpsichord). 8.30—News. 8.45—Concert version, "On ne badine pas avec l'amour "—Opéra-Comique (Pierné). ROME, One-Act Play (contd.). 8.10—Orchestral Concert. Pierangeli (Violin).

SOTTENS, French Contemporary

angeli (Violin).

SOTTENS, French Contemporary Music (contd.). 8.50—Alexander Dance Band. STOCKHOLM, Cabaret. 8.45—News. STRAS-BOURG, Sports. 8.20—Press Review (German). 8.30—One-Act Plays: (a) "Le Bal"—in Verse (Regnard); (b) "Les deux Ciochards" (Maxime-Léry).

TOULOUSE, News; Band. 8.25—Excerpts, "I Pagliacci" (Leoncavallo). 8.40—Dance Music. 8.55—News. TURIN, Excerpts, "Consuelo" (Rendano) (conid.). 8.55—Talk.

VIENNA, Civil and Military (contd.). 8.50—Films.

warsaw, Finnish Music — Minna Talvik-Palmgren (Songs); Selim Palmgren (Pfte.). 8.35—Song Records.

9 p.m.

ATHLONE, Station Orchestra. 9.30

ATHLONE, Station Orchestra. 9.30

—Variety.

BERLIN, News. 9.20—Commentary on the Swimming Contest, Vienna v. Berlin, in Vienna. 9.30—See Leipzig. BEROMÜNSTER, Zürich Radio Ball (contd.); at 9.5-9.15—News. 9.45—Parliamentary Review. BRESLAU, News. 9.30—Dance Band. BRUSSELS (1), "L'Ecole des Femmes" (Moliere) (contd.). BRUSSELS (2), Report: A Walk round Mons. 9.15—Light Orchestral; Peterman (Bassoon). BUCHAREST and RADIO-ROMANIA, Radio Dance Band. 9.45—News (French, German, Romanian). BUDAPEST (1), Budapest Concert Orchestra. 9.45—Dance Records.

Dance Records.

COLOGNE, News. 9.20—Report:
Opening of the Krefeld Hindenburg
Skating Rink.
Concert from Leipzig.

DEUTSCHLANDSENDER, News;
Topical. 9.30—Intermezzo and two
Scandinavian Melodies (Grimm), by
Seiler (Viola) and the Composer
(Pfte.).

Seiler (Viola) and the Composer (Pfie.).

EIFFEL TOWER, Greek Classics (contd.).

HILVERSUM (1,875 m.), Orchestra, Chorus and Songs (contd.). HILVERSUM (301.5 m.), Orchestra (contd.). 9.10—Ramblers Dance Band. 9.35—Announcements; Report

KALUNDBORG, News; Radio Ball (contd.). KÖNIGSBERG, News. 9.20—Report: Judging the Ten Best Athletes of East Prussia. 9.35—Screnade.

LEIPZIG, FRANKFURT, HAMBURG, News. 9.30—Variety Concert. LILLE, Dramatic (contd.).

BURG, News. 9.30—Variety Concert. LILLE, Dramatic (contd.).

MONTE CENERI, Folk Dances; Jazz Band. MUNICH, News. 9.30—Dance Band.

OSLO, Topical. 9.15—Old Dance Music. 9.45—Dance Records.

PARIS (PTI), Symphony Concert (contd.). POSTE PARISIEN, "La Chanson du tiroir" (Nohain-Delettre). 9.45—U.S.A. Bulletin from New York. PRAGUE, News. 9.15—Records. 9.30—Dance Music. RADIO-NORMANDIE, Classical Music (contd.). RADIO-PARIS,

"On ne badine pas avec l'amour"
—Opera (Pierné) (contd.). ROME,
Symphony Concert (contd.).
SOTTENS, Alexander Dance Band.
STOCKHOLM, Station Dance
Band. STRASBOURG, Onc-Act
Plays (contd.)." STUTTGART,
News. 9.30—Records.

News. 9.30—Records.

TOULOUSE, News. 9.10—"Croisières"—Fantasy. 9.45—Paris Programme. TURIN, Talk. 9.5—Viganelli (Organ).

VIENNA, Films. 9.10—News. 9.20—Commentary on the Swimming Contest, Berlin v. Vienna. 9.50—Jazz Band; Refrains.

WARSAW, To be announced. 9.30—Dance Band.

10 p.m.

ATHLONE, Variety. 10.30—News; Light Music.

BRESLAU, Dance Band. BRUSSELS (1), News. 10.10—Brenders
Jazz Band. BRUSSELS (2), News.
10.10—Quartets (Borodin, Haydn)
by the Brussels Quartet. BUDAPEST (1), Dance Records.

PEST (1), Dance Records.

DEUTSCHLANDSENDER a n d
STUTTGART, Kaiser Dance Band.

HILVERSUM (1,875 m.), Orchestra
Chorus and Songs (contd.), 10.10—

News, Sports, 10.30—Records.

HILVERSUM (301.5 m.), V.A.R.A.

Orchestra. 10.40—News; Report
on the Six Days' Cycle Races.

KALUNDBORG, Radio Ball (contd.), KÖNIGSBERG, Scre-nade.

nade.

LEIPZIG, BERLIN, COLOGNE,
FRANKFURT, HAMBURG, Varicty Concert. LILLE, Dramatic
(contd.). 10.30—News.

MUNICH, Dance Band.
OSLO, 10.0-10.30—Dance Records.

OSLO, 10.0-10.30—Dance Records.

PARIS (PTT), Symphony Concert
(contd.). 10.30—News. 10.45—
Dance Music. POSTE PARISIEN,
U.S.A. Bulletin from New York
(contd.). 10.30—Records: Light
Music. PRAGUE, 10.0-10.30—
Dance Music.

RADIO-NORMANDIE, Café Concert. RADIO-PARIS, "On ne
badine pas avec l'amour "—Opera
(Pierné) (contd.). 10.45—Dance
Music. ROME, News. 10.15—
Dance Music.

(Pierné) (cor Music. RO Dance Music.

STRASBOURG, Concert from the Palais des Fêtes. 10.30—News. raiais des retes. 10.30—News.
TOULOUSE, Paris Programme. 10.15
—Orchestra. 10.40—Film Music.
10.55—News. TURIN, News.
VIENNA, Announcements, Jažz
Band. Refrains.

11 p.m.

BERLIN, Dance Records. BRUSSELS (1), Records (Smetana,
Strauss, Sibelius). BRUSSELS (2),
Spanish Rhapsody (Ravel) (Records). 11.15—Brenders Jazz Band.
BUDAPEST (1), 11.5—News.
DEUTSCHLANDSENDER and
HAMBURG, Kaiser Dance Band.
HILVERSUM (1,875 m.), 11.0-11.40—
Records. HILVERSUM (301.5
m.), 11.0-11.40—Report on the
Six Days' Cycle Races (contd.).
KALUNDBORG, Radio Ball (contd.),
PARIS (PTT). Dance Music

PARIS (PTT), Dance Music.

RADIO-NORMANDIE, Dance Music.

RADIO-Prom the Cabane Normande.

RADIO-PARIS, Dance Music.

II.15—Light Music by the Porée Orchestra. ROME, II.0-II.30—Dance Music.

STRASBOURG, News (German).
STUTTGART and FRANKFURT,
Serenade (Recorded).
TOULOUSE, Light Music. 11.14—
Argentine Orchestra. 11.50—
Operetta Songs. 11.55—News.
VIENNA, Magyari Cigány Band
from Budapest.

12 midnight

KALUNDBORG, Radio Ball (contd.). KALUNDBORG, Radio Ball (contd.).

RADIO-NORMANDIE, Dance Music. 12.30—Orchestra. RADIO-PARIS, 12.0-12.15—Light Music (contd.).

STUTTGART and FRANKFURT, Serenade (Recorded.).

TOULOUSE, News. 12.5—Light Music. 12.20-12.30—Military Band.

SATURDAY (November 7)

NATIONAL

NATIONAL

For Time Signals, see Monday
10.15 a.m. (D)—Service.
10.30 (D)—Weather Forecast,
10.45—Over the Sea—Talk.
11.0—Cinema Organ.
11.30—MacGibbon String Quartet.
12.30 p.m.—Gramophone Records.
1.0—Commodore Orchestra.
2.0—Herring Bulletin.
2.5—Dorothy Hildreth (Pfte.).
2.30—Gramophone Records.
3.15—Dresden State Opera Orchestra—Leader, Jan Dahmen, Conducted by Richard Strauss.
4.45—Gramophone Records.
5.15—Roy Fox and his Band.
6.0—The First News.
6.20—Sports Bulletin.
6.30 (ex D.)—The Radio Gazette,
H. L. Fletcher, H. L. Morrow.
6.30 (D)—A Welsh Talk on "Curious Happenings in the Press."
6.45—Brain Lawrance and his Dance Orchestra.
7.30—In Town Tonight.
8.0—"The Palaver is Finished."
8.15—BBC Theatre Orchestra; Gwladys Garside (Contralto).
9.0—The Third News.
9.20—Music-Hall.
10.20—BBC Orchestra (Section C) conducted by Clarence Raybould; Anita Oberlander (Soprano).
11.15—Henry Hall's Mour.
11.30—Late News Summary.
11.40—Henry Hall's Music Makers.

REGIONAL
For Time Signals, see Monday
10.15 a.m.—Service.
10.30—Weather Forecast.
10.45—BBC Northern Orchestra;
Elsie Morland (Violin).
11.45—Gramophone Records.
12.15 p.m.—Peggy Male (Pfte.).
12.45—"Songs that made History."
1.0—Gramophone Records.
2.0—Coventry Hippodrome Orchestra.
3.0—Sandy Macpherson at the BBC Theatre Organ.
3.30 (ex. Northern)—Celebrity Trio.
3.30 (Northern)—Commentary on Halifax v. Liverpool Stanley Rugby Match.
4.0—Reading.
4.15—"While Coons."
5.15—The Children's Hour.
6.0 (Regional)—The Gershom Parkington Quintet; Linda Seymour (Soprano).
6.0 (Midland)—The Birmingham Theatre Royal Orchestra.
6.0 (Western)—The Cory Workmen's Band; Trevor Anthony (Bass).
6.0 (Northern)—Choir.
6.15 (Scottish)—"The Fading Scene."

cordion).
6.15 (Scottish)—"The Fading Scene.'
6.45 (Midland)—"Sport in the Mid

lands."
6.45 (N. Ireland)—Records.
6.50 (Northern)—Scorning Sketches.
7.0—The Second News.

7.30—The Second News.
7.10—Regional Announcements.
7.30 (Regional, Scottish)—The Broadhurst Septet.
7.30 (Midland)—The BBC Midland Orchestra conducted by Leslie Heward.
7.30 (Western)—Welsh Airs; Rhiannon James (Harp), John Edwards

(Pfte.).
7.30 (Northern)—Mary Worth (Soprano), Mary Davies (Mezzo-So-

prano), Mary Davies (Me220-30-prano).
30 (N. Ireland)—N. Ireland News.
42 (N. Ireland)—BBC Northern Ireland Orchestra (Augmented) con-ducted by Sir Henry J. Wood; Jo Vincent (Soprano).
40 (Regional, Northern)—Sophie Wyss (Soprano), The Isolde Menges Sextet.

8.0 (Western)—Around and About. 8.0 (Scottish)—Jean Houston (Soprano), Alexander Carmichael (Bari-

pranoj, Alexander Countryman tone).

8.10 (Western)—"Countryman Afield."

8.30 (Scottish)—The Week in Scotland.

8.30 (Midland)—Saint Simeon Stylites.

8.40 (Western)—The Cardiff En-semble Chamber Music Concerts.

8.45 (Scottish)—The Scottish Wind Omintel.

8.45 (Scottish)—The Scottish Wind Quintet.
9.0 (N. Ireland)—Cinema Organ.
9.20 (ex. Northern, N. Ireland, Scotland)—Debate.
9.20 (Northern)—"Night Watches."
9.25 (Scottish)—Fan Fare.
9.30 (N. Ireland)—"Home Again."
9.45 (N. Ireland)—Sam Carson (Baritone).

tone). 9.45 (Scottish)—Betty Lesslie (So-

prano).

10.0—News Summary.

10.25—Dance Music.

11.40—Dance Music.

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.).

and Cork, 1,240 kc/s (241.9 m.).
1.30-2.30 p.m.—Time; Weather; Records. 5.30—What's on Next Week? 5.45—Tea-Time Music by the Wood-Wind Ensemble; Song Records. 6.35—Irish News Feature. 6.45—Weather; News; Time. 7.0—A Visitor interviewed. 7.15—Michael O'Callaghan (Songs). 7.25—The new President of America, by M. Barrow. 7.40—Slices of Life. 8.10—Accordion Quartet. 8.30—Station Orchestra.

9.30 — Variety. 10.30—Weather; What happened to-day; Light Music. 11.0—National Anthem.

BANSKÁ-BYSTRICA

(Czechoslovakia) 392 kc/s (765 m.) ; 30 kW. Relays Czechoslovak Stations.

PRINCIPAL EVENTS

SYMPHONY CONCERTS
3.15 National: Dresden State Opera Orchestra.
4.0 Brussels 2: Liszt Festival.
4.30 Paris (PTT), Strasbourg: Paseloup.
8.0 Prague: S.S.R. National day concert.

Radio-Normandie: Beethoven.

Radio-Paris: Pascal Orchestra.

Deutschlandsender: Folk music.

9.30 Leipzig, etc.: Week-end variety concert. 10.0 Hilversum (301.5 m.): Orchestra. 11.15 Radio-Paris: Porée Orchestra.

7.40 Turin: "Consuelo" (Rendano), excerpts.

Radio-Paris: "O l'amour" (Pierné).

5.30-7.0-See Breslau; at 6.0: News.

7.30—Prasch Band. 8.30—Gym for Children. 8.45—Talk: Health is Beauty.

Beauty.

9.0—See Breslau.

9.30—Weather;
Markets.

9.45-10.0—For Young
People.

10.55—Weather.

11.0-1.0 p.m.—See Stuttgart; at 12.0 p.m.—News.

1.15—Records: Trios.

2.0—Exchange; Markets.

2.30—Songs by Girls.

2.55—Call of Youth.

3.0—See Munich. 5.0—Sports. 5.15— "Elizabeth Tabor"—Play (Borck). Music by Mattausch.

Music by Mattausch.
6.0—Romantic Music. Elly von Kovatsy (Pfte.): Analies Schmidt ('Cello): Frithjof Sentpaul (Baritone): Max Nahrath (Pfte.). Adagio and Allegro for 'Cello and Pfte. (Schumann). Songs (Schumann). Pfte. (Chopun): (a) Mazurkas in B flat and A minor, (b) Waltzes in B minor and A flat. Songs (Wetzel). 'Cello and Pfte.: Silhouetten (Fuchs).

6.45-Evening Echoes. 7.0-News.

BEROMÜNSTER

5.45—Evening Echoes. 70—News. 7.10—Non-Stop Variety Concert. Small Station Orchestra. Conductor: Willy Steiner. Berlin Trio. Singers. Saxophone, Xylophone and Balalaika. 9.0—News.

11.0—Berne Trio. 11.30—News. 11.40—Light Music by the "Marokko"

Stockholm: Old time dances.
Deutschlandsender: Paul Lincke.
Vienna: Radio orchestra, military band.
Sottens: Contemporary French music.
Rome: Orchestra, violin.
Budapest 1: Conductor, Fridl.
Hilversum (1,875 m.): Operetta music.
Paris (PTT): National orchestra.
Oslo: Old dances.

Oslo: Popular orchestral. Stockholm: Old time dances.

BERLIN (Germany)
100 kW. 841 kc/s (356.7 m.); 10 5.0 a.m.—Weather; Gym.

LIGHT CONCERTS

1.50

4.0

6.30 7.10

7 30

8.10

8.30

9.30

Orchestra. 12.0 noon—Four "Zig-eunerlieder" (Brahms), by the Berne Vocal Quartet. 12.20 p.m.—Light Music by the "Marokko" Orchestra. 12.45-1.0—Weekly Parliamentary Re-view. 1.0—Music. 1.15-1.30—Labour Market Report. 3.0 (from Basle)— Accordion Ensemble. 3.29—Time. 3.30-5.0-See Monte Ceneri.

3.30-5.0—See Monte Ceneri.
5.0-6.0—Programme from Basle.
5.0—Talk by Felix Moeschlin, the
Author. 5.30—Music. 5.40—Talk:
The British Empire—India. 6.0—
Chimes from Zürich Churches. 6.15—
Markets. 6.20 (from Basle)—Opera
Music. 6.30—News. 6.40 (from
Berne)—"Wannsee, November 23rd,
1811"—Sequence for the Hundred
and Twenty-Fifth Anniversary of
Kleist's Death (Arno Schirokauer).
7.40-9.45—The Zürich Radio Ball;
at 9.5-9.15: News. 9.45-10.0 (from
Berne)—Weckly Parliamentary Review (Recorded).

BORDEAUX-LAFAYETTE

1,077 kc/s (278.6 m.); 12 kW. Transmits at intervals from 6.50 a.m. 6.30 p.m.—News; Topical. 7.45— Records. 8.0—English Lesson. 8.15— News.

RECITALS

70

8.0

PLAYS

8.30

Liebling. O Freund, mein Schirm, mein Schutz. O ihr Herren. Liebster, Deine Worte stehlen. Singet nicht in Trauertönen. 2.40—Winter Relief Report. 2.45—Reading, "Der Bussard" (Ahlers) Reading, "Der Bussard" (Ahlers).
3.0—See Munich. 5.0—Talk for the Hundred and Twenty-Fifth Anniversary of Breslau University. 5.20—"Youth travels to a foreign Land"—Sequence (Müller). 5.50—Programme Notes.

6.0—Concert on Records. 6.45—The Day's Sound News. 7.0—News. See Königsberg. 9.0-News. 9.30-11.0-Station Dance Band.

OPERETTA
7.10 Hamburg: "Frau Luna" (Paul Lincke).

CHAMBER MUSIC
6.0 Berlin: Romantic music.
7.0 Kalundborg: Quartet (Mendelssohn).
8.0 Regional: Sextets, songs.
10.10 Brussels 2: Quartets (Borodin, Haydn).

Hilversum (301.5 m.): Organ, song.

Vienna: Franz Wagner (pfte.).
Warsaw: Polish folk songs.
Radio-Paris: Song, harpsichord.
Poste Parisien: Chansons.

Rome: "Gente in treno."
Brussels 1: "L'école des Femmes."
Eiffel Tower: Greek classics.

DANCE MUSIC
5.15, Brussels 1; 7.25, Bucharest; 7.40, Beromünster: Radio-Ball, Kalundborg: Radio-Ball for young folk; 8.50, Sottens; 9.30

9.0, Monte Ceneri, Stockholm; 9.30, Munich, Warsaw; 9.45, Budapest 1, Oslo; 9.50 Vienna; 10.0, Deutschland-

Turin: Organ.

LAST NEWS BULLETINS, see MONDAY

BRNO (Czechoslovakia) 922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.15 a.m. 10.55 a.m.—See Prague. 11.0-For Farmers. 11.11-11.25—See Prague. Farmers. 11.1-11.25—See Prague. 11.35—Czech Music—Statien Oz-hes-tra. Conductor: Plichta. 12.30 p.ms—Industrial Review. 12.40—For Farmers. 12.45—Record. 12.50-1.0—See Prague. 2.0—See Bratislava. 3.5-4.35—See Prague. 4.35—Record. 4.40—German Transmission: Hunting and Drinking Songs by Maria Siegmund (Soprano), Ondruschka

11.0-12.0 m't—Records. Die Moldau (Smetana). Also sprach Zarathustra (Strauss). Finlandia (Sibelius).

(Strauss). Finlandia (Sibelius).

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 p.m.—Salon Orchestra. Conductor: Feron. Potpourri, Musikalische Seifenblasen (Urbach). Waltz Song (Andy). Cigány Song and Czardas (Strauss). Premier aveu (Gillet). 1.0—News. 1.10—Interview with René Leclercq. 1.15—Light Orchestral. 1.30—Records. 1.45—Report from a Mine. 2.0—Shipping. 2.3—Chamber Music by the Buysse-Rolin Quartet. Concerto (Vivaldi). Quartet (Beethoven). 3.0—Light Music—Antwerp Scala Orchestra. 3.45—Talk: Mons and le Borinage. 4.0—Liszt Festival Concert from Antwerp. Royal Flemish Conservatoire Choirs and Orchestra; the St. Cecilia Choir. Conductor: De Vocht. Symphonic Poem for Orchestra and Women's Voices; Dante. Pfie. Concerto in A. Symphonic Poem, Les Préludes. 5.30—Records: Quartet in A minor (Béla Bartók). 6.0—Talk: Folklore of Mons and le Borinage. 6.15—Records. 6.45—Talk: Literature and le Borinage. 7.0—Lecture-Recital: Walton Folk.

Normalia Records. 6.45—Talk: Literature and le Borinage.
7.0—Lecture-Recital: Walloon Folk Songs. 7.30—News. 8.0—De Blinkende Zonnekloppers Cabaret. 9.0—Report: A Walk round Mons.
9.15—Light Orchestral. Peterman (Bassoon).
10.0—News.
10.10—Chamber Music by the Brussels Quartet. Quartet (Borodin). Quartet in G (Haydn). 11.0—Records: Spanish Rhapsody (Ravel).
11.15-12.0 m't—Brenders Jazz Band.

BUCHAREST (Romania)
823 kc/s (364.5 m.); 12 kW.
Relayed by Radio-Romania (Brasov)
160 kc/s (1.875 m.).
4.30-5.30 a.m.—To be announced.
11.0—Time; Water Level; News;
Sports. 11.10—Records: Light
Music; at 12.10 p.m.: News. 1.0—
News. 4.0—Military Band. 5.0—
Time; Markets; Topical.
5.15—"From Minuet to Foxtrot"—
Dances by the Radio Orchestra.
Conductor: Ghiga. Ballet Suite
(Grétry-Mottl). Bourréeand Gavotte
(Bach-Gevaert). Minuet (Mozart).
Mazurka (Dvořák). Polka (Balling).
The Lancers (Richardson). Polonaise in A (Chopin). Emperor
Waltz (Strauss). Valse-boston
(Piquet). Tango (Smidseder). Foxtrot Fantasia, "Die Fledermaus'
(Strauss-Kochmann). Blues (David (Piquet). Tango (Smidseder). Fox-trot Fantasia, "Die Fledermaus' (Strauss-Kochmann). Blues (David Bee). Pasodoble (Speyer). Carioca (Youmans); at 6.0: Educational. 7.0—Letters. 7.15—Technical Letters. 7.25—Radio Dance Band; at 8.30: News; Sports. 9.45—News (French German, Romanian).

BUDAPEST (No. 1) (Hungary)
546 kc/s (549.5 m.); 120 kW.
Transmits at intervals from 5.45 a.m.
11.5 a.m.—Orchestra. 12.40 p.m.—
Szervánszky (Violin). 3.15—Talk.
4.0—Report from a Ceramic Works.
4.50—Daisy Guth (Pfte.). 5.30—
Radio Competition Results. 6.0—
Station Orchestra. 7.0—Three OneAct Plays. 7.55—News.
8.15—Budapest Concert Orchestra.
Conductor: Fridl. Overture, "The
Caliph of Bagdad" (Bofeldieu).
Mazurka (Járay). Suite, L'Arlésienne
(Bizel). Waltz, Künstlerleben
(Strauss). Suite (Guiraud).
9.45—Dance Records. 11.5—News.

BUDAPEST (No. 2) (Hungary) 359.5 kc/s (834.5 m.): 18 kW. 4.0 p.m.—Talk. 5.0—Records. 6.0—For Farmers. 6.30—Talk. 7.0—Lenke Zsögón (Songs). 7.40—Farkas Cigány Band. 8.35—News.

COLOGNE (Germany)
658 ke/s (455.9 m.); 100 kW.
5.0 a.m.—Hynn; Gym.
5.30-7.0—See Breslau, 7.0—Weather;
Water Level. 7.10-7.25—Gym. 8.45—

9.0—See Munich, 9.30—For Children, 10.0-10.10—Sports.
11.0 a.m.-1.0 p.m.—See Stuttgart; at 12.0 noon: News and Greetings, 1.0—News. 1.15—Records. 2.15—Songs and Tales by Girls. 2.45—Markets.

Markets, 3.0—Light Music. Small Station Or-chestra. Conductor: Breuer; at 3.45; Book Discussion. 5.0—Next Week's Programmes, 5.5—Lecture-Recital by Franz Kürten:

Osto; 9.50 Vienna; 10.0, Deutschiadersender; 10.10, Brussels 1; 10.25, Regional; 10.45, Paris (PTT), Radio-Paris; 11.0, Berlin, Radio-Normandie; 11.15, Brussels 2, National. 8.30-To be announced. 10.30-News.

10.45-Sce Paris (PTT)

"On ne badine pas avec

BRATISLAVA

(Czechoslovakia)

1,004 kc/s (298.8 m.); 13.5 kW.

Transmits at intervals from 5.15 a.m.

2.0 p.m.—Station Orchestra. Conductor: Schimpl. Zidek (Clarinet). Clarinet Concerto in F minor (Weber). Italian Symphony in A (Mendelssohn). 3.0—Weather. 3.5-4.35—See Prague. 4.35—Weekly Review. 4.45—Record. 4.50—Art Notes. 5.0—Hungarian Transmission: Talk; "Rendezvous in Manchester"—Play (Bihary); Comcdy (Szij), after Jokai. 5.45-7.0—See Prague. 7.0—Talk. 7.15-9.15—See Prague. 9.15—News in Hungarian. 9.30-10.30—See Prague.

BRESLAU (Germany)

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

4.0 a.m.—Records. 5.0—Hymn :

4.0 a.m.—Records.

Gym.

Sym.

Signature of the state of

2.20—Unfamiliar Schumann Songs by Elfriede Reski-Nöldner (Soprano). Der Spielmann. Der schwere Abend. Reich mir die Hand, o Wolke. Mond, meiner Seele

(Baritone). 5.15—News. 5.20—Literary Review. 5.30—Review. 5.45-6.55—See Prague. 6.55—Singing Lesson. 7.15-10.30—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—Records.
12.30 p.m.—Light English Music.
Overture, "The Windjammer"
(Ansell) Waltz. Bal masqué
(Fletcher). Symphonic Rhapsody
(Coates). Roses of Picardy (Haydn
Wood). March, The Soldier of
Fortune (Arthorp).

1.0—News. 1.10—Salon Orchestra. Conductor Féron. 1.30—Records: Light Music. 2.0—Art Notes.

rt Notes.

3—Antwerp Scala Orchestra. Conductor: Felleman. Soldiers on Parade (Scher-Eiger). Overture, "Masaniello" (Auber). Waltz, Frühlingsmärchen (Rust). Selection, "The Glory of the Regiment" (May). Japanese Cradle Song (Armandola). The General died at dawn (Carr). Le beau général (Wraskopf). 45-Records: Manon (Massenet).

2.45—Records: Manon (Massenet).
4.55—News. 5.0—Talk arranged by
the Belgian Red Cross. 5.15—
Candrix Dance Orchestra.
Labour Ministry Report.
6.15—Symphony Orchestra.
Schreiden-Funcken (Pfte.).
"Les petits riens" (Mozart). Pfte.
Concerto (Grieg). Selection, "A
Midsummer Night's Dream" (Mendelssohn).

delssohn).
7.15—Reviews: (a) Art, (b) Hygiene, (c) International Affairs. 7.30—News.
8.0—Lully Records.
8.15—"L'Ecole des Femmes"—Five-Act Comedy (Molière). 10.0—News.
10.10—Brenders Jazz Band.

9.20—Commentary on the Swimming Contest, Vienna v. Berlin, in Vienna. 9.30—See Leipzig. 11.0-12.0 m't—Dance Records. 1.15-Variety from Deutschland-(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. 2.0-Markets. 2.5-Talk : Sight.

Popular Instruments, with Illustrations by Meyer and Jansen (Accordions), Boeren (Mouth Organ), and the Radio Schrammel Band.
5.30—"Reingold 1873" Male Voice Choir. Conductor: Hanemann. Wanderers Nachtlied (Stuermer). Abendlied (Hanemann). Der Abendlied (Hanemann). Der Abendliem Tau (Schumann). Folk Songs:

(a) So viel' Stern' am Himmel stehen, (b) Die Königskinder, (c) Es steht eine Lind', (d) Trab' Rösslein, (e) Kuckucks Harem, (f) Der Jäger aus Kurpfalz.

6.0—"Kleist"— Dramatic gramme. 6.45—Snapshots. 7.0—News.

News.
7.10—See Königsberg.
9.0—News.
9.20—Report: Opening of the Hindenburg Skating Rink in Krefeld.
9.35-11.0—Dance Band from Leip-

DEUTSCHLANDSENDER

(Germany) 191 ke/s (1.571 m.); 60 kW. 5.0 a.m.—Chimes; Records. 5.30-7.0—See Breslau; at 6.0; News. 8.40—Gym.

-Gym. See Munich. 9.30—For Children. 10 0-Talk

.30—Gym.
.0—See Munich. 9.30—For Children.
.0.—Talk: German-Bulgarian Ecocomic Relations. 10.15-10.30—
Veather. 10.40—Talk: Folklore.
.1.0 a.m.-12.45 p.m.—Symphony Orchestra from Saarbrücken. Conductor: Jung. Kötscher ('Cello).
Overture, "Russlan and Ludmilla"
(Glinka). Hungarian Fantasia for
'Cello and Orchestra (Grützmacher). Excerpts, "Sigurd
Jorsalfar" (Grieg). Selection,
'Hansel and Gretel" (Humperdinck). Overture, "Tsar and Carpenter" (Lortzing). Dynamident
Walzer (Strauss). Selection, "Boccaccio" (Suppė); at 11.55: Time
and at 12.0 noon: Greetings. 12.45
—News.

— News.

1.0—Variety. 2.0—Weather; Exchange; Programme Notes. 2.10—
Call of Youth. 2.15—Songs and Humour for Boys. 2.30—Weekly Industrial Review. 2.45—Talk.
3.0—"Something for Everybody"—
Records.

Records.
5.0—Folk Songs and Dances. Station Orchestra. Conductor: Dombrowski. Heinrich Groupner (Songs); Mikulicz (Pfte.). 5.40—Weekly Sports Bulletin. 6.0—"From Brasserie to Dance Orchestra. Conductor: Dombrowski. Heinrich Groupner (Songs); Mikulicz (Pfte.). 5.40—Weekly Sports Bulletin. 6.0—"From Brasserie to Dance Hall"—A Trip round Berlin. In the interval; The Day's Sound News. 6.45—Topical. 7.0—News. 7.10—Paul Lincke Concert for the Composer's Seyentieth Birthday. Station Orchestra. Conductor: Knauer; Station Choir. Conductor: Knauer; Station Choir. Conductor: Knauer; Station Choir. Conductor: Knauer; Station Else Müller, Else Kochhann, Herbert Ernst Groh, Bruno Fritz and Edgar Kanisch. Bredtschneider (Compère). 9.0—News; Topical. 9.30—Intermezzo and two Scandinavian Melodies (Grimm) by Seiler (Viola) and the Composer (Pfte.). 9.45—Weather. 10.0-11.55—Kaiser Dance Band.

FRANKFURT (Germany)

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

5,0 a.m.—Hymn; Gym.

5,30-7.0—See Breslau; at 6.0: News.

7,30-7.45—Talk: Swimming.

9,0-9.30—See Munich. 10.0—For Housewives. 10.15—ProgrammeNotes; Markets; Weather. 10.30—Local News. 10.45—Announcements.

11.0 a.m.-1.0 p.m.—See Stuttgart; at 12.0 noon: News. 1.0—News. 1.10—Records. 2.15—Economics. 2.30—Records: Mödling Dances (Beethoven), played by Hitler Youth.

3.0—See Munich.

5.0—Warches on Opera Themes."
Band. Conductor: Steuer. "Faust" March (Gounod-Piefke). March, "The Daughter of the Regiment "(Donizetti). March, "Giselle" (Adam). March-Gallop, "Light Cavalry" (Suppé). March, "Ladame blanche" (Boieldieu). Selection, "Le Brasseur de Preston" (Adam). March, "The Merry Wives of Windsor" (Nicolai). March-Gallop, "The Lovely Galatea" (Suppé). "Im Reiche des Indra" (Flotow). March, "Die Grossfürstin, Sophie Katharina" (Flotow). March, "Bos Nachtlager in Granada" (Kreutzer).

5.45—Lincke's Seventieth Birthday—Lecture-Recital by Dittrich (Recorded). 6,30—Weekly Review. 6.55—Call of Youth. 7.0—News.

7.10—See Königsberg. 9.0—Time; News. 9.15—Local News. 9.20—Sports.

30—See Leipzig.
.0 p.m.-1.0 a.m. (Sunday)—See uttgart.

HAMBURG (Germany)
904 kc/s (331.9 m.) 100.1 kW.
Relayed by Bremen, Flensburg,
Hanover, Magdeburg, and Stettin,
1;330 kc/s (225.6 m.).
5.15 a.m.—Gym.
5.30-7.0—See Breslau; at 6.0; News
7.0-7.15—For Housewives.
9.0—See Breslau. 9.30—Greetings.
9.40—Markets. 9.50 (from Hanover)
—Symphony Orchestra. Conductor:
von Sosen. 11.0—Shipping.
11.10 a.m.1.0 n.m.—Popular Concert

Vol. Sosen. 11.0—Snipping.
11.10 a.m.-1.0 p.m.—Popular Concert from Stuttgart; at 12.0 noon; Review.
1.0—News. 1.20—Music. 2.0—For Children. 2.20—Call of Youth. 2.30—Exchange. 2.45—Shipping.
3.0—See Munich.

KALUNDBORG (Denmark)

240 kc/s (1,250 m.); 60 kW. Relay Copenhagen, 1,176 kc/s (255.1 m. 6.0 a.m.—Gym. 7.30—Service. 9.15— For Schools. 9.59—Weather. 10.10— Fish Markets. 10.45—For Schools. 11.0-1.0 p.m.—Bendix String Ensemble

11.0-1.0 p.m.—Bendix String Ensemble
1.50—Radio Orchestra. Conductor:
Tuxen. Rosa Prahl and Svend Prahl
(Ducts). Overture, "Jean de Paris"
(Boïeldieu). Eine kleine Nachtmusik (Mozart). Selection, "The
Bartered Bride" (Smetana). Emperor Waltz (Strauss). Duets
(Dvořák): (a) Vergebliches Hoffen,
(b) Gruss aus der Ferne, (b) Der
Kranz, (c) Der Schmerz, (d) Das
Pfand der Liebe, (d) Die Bescheldene



Breslau University: its 125th anniversary is celebrated to-day (5 p.m.)

5.0—(from Stettin) Light Music and Dance Music. Stettin Concert Orchestra. Conductor: Quast. Gretel Pust (Soprano).

(Soprano).

(Soprano).

(Soprano).

Youth. 6.25—Talk: National Defence—The Navigation Survey Ship "Metcor." 6.45—Weather. 6.50—Topical. 7.0—News.

Topical. 7.0—News.
7.10—"Frau Luna"—Operetta (Lincke). Station Choir and Orchestra. Conductor: Gebhardt. 9.0—News. 9.30-See Leinzig.

11.0-11.55—Dance Deutschlandsender. Music from

HILVERSUM (1,875 m.) (Holland)

160 kc/s; 10 kW until 2.40 p.m.; 100 kW from 2.40 p.m. ; K.R.O. Programme.

K.R.O. Programme.
7.40-8.55 a.m.—Records. 9.40—Records. 11.10—Religious Address.
11.40—Police Messages. 11.45—
K.R.O. Orchestra. Conductor: van 't
Woud. Records in the intervals.

1.0 p.m.—K.R.O. Melodists and Klein (Refrains). 1.40—For Young People. 2.10—K.R.O. Melodists (contd.). 2.40
—For Children. 3.40—Jewish Religious Programme.

ous Programme.

4.40—K.R.O. Boys and Klein (Refrains), Records in the intervals. 5.25
—For Scouts. 5.55—Records, 6.0—
Press Review; Records; Police Messages; Talk. 7.15—Topical; News; Records

rrayer; Records.
8.25—K.R.O. Orchestra and Operetta
Chorus. Conductor: van 't Woud.
Ellen Schwarz (Soprano) and VosMendes (Tenor). 10.10—News;
Sports. 10.30-11.40—Records.

HILVERSUM (301.5 m.)

995 kc/s; 15 kW until 2.40 p.m.; 60 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—Records; Recitations. 11.40 a.m.—
1.25 p.m.—Records.
1.40—Records.
2.10—Film Review.
2.25—Records.

2.55—Chess.
3.10—Ramblers Dance Band. 3.30—Talk. 4.10—Play. 4.40—V.A.R.A. Orchestra. Conductor: Lohoff. 5.20—Literary Talk. 5.40—Steyn (Organ) and v. Dongen (Songs). 6.10—A Radio Film. 6.40—V.R.O. Talk. 7.40—News. 7.55—Records. 8.30—Talk.

(f) Die Flucht. Festival Polonaise (Svendsen). Valse triste (Sibelius) Romanian Folk Dances (Bartók). Dance of the Marionettes (Toch). Selection, "The Circus Princess" (Kálmán). 3.56—Poem. 4.0—Talk: Elk Hunting in the Rockies. 4.25—Weather, 4.40—Exchange. 4.50—Records. 5.15—Weather, 5.35—French Lesson. 6.0—News. 6.30—Discussion: Unemployment.

7.0—String Quartet in A minor (Men delssohn), by the Aarhus Quartet 7.30—Weekly Review by Per Knutzon 7,40-1.0 a.m. (Sunday)—Radio Ball for the Younger Generation.

for the Younger Generation.
7.40—Preil's Dance Band. Rungwald (Refrains); Margrete Krabbe Sadolin (Songs to the Guitar); at 8.50: Talk, and at 9.0: News. 10.15—Walther Dance Band from the Valencia. 11.0—Chimes; Ewans Dance Band from the Nimb. 12.0 m²t-1.0 a.m. (Sunday)—Stangerup Dance Band from the Hollaenderby."

KÖNIGSBERG (No. 1) (Heilsberg) (Germany)

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

5.0 a.m.—Weather; Records. 5.15-

5.30-7.0—See Breslau. 7.0—Prayers 7.15—Gym. 7.40-8.30—Band from Berlin.

9.0-9.30—See Munich. 9.45— Weather. 10.30—Legal Talk. 10.50— Markets. 10.55—Weather.

11.0 a.m.-1.0 p.m.—See Stuttgart; at 12.0 noon: News. 1.0—News. 1.10—Talk: A Model Mother-in-law. 1.20—Peter Arco, with Records. 2.0—Technical Talk.

2.15—Tales and Songs from Scan dinavia. 2.45—Topical.
3.0—See Munich.

5.0—See Munich.
5.0—Lincke Records for the Composer's Seventieth Birthday.
6.0—Local News. 6.10—Talk: The War Wounded and Ex-Servicemen under the National Socialist Régime.
6.30—
"Where are you Comrade?"
7.0—Nawe

News.
7.10—"Marjellche in the Land of Lakes and Elks"—Play with Music (Reisner-Börschef). Station Orchestra, Börschel Dance Band, Trumpeter Corps, Accordion Band, Station Choirs and others. Conductor: Börschel. 9.0—News. 9.20—Report: Judging the Ten Best Athletes of East Prussia. News. 7.53—Records. 6.30—Talk.
8.40—V.A.R.A. Theatre Orchestra and Others. Conductor: de Groot.
9.10—Ramblers Dance Band. 9.35—Announcements; Report.
10.0—V.A.R.A. Orchestra. Conductor: de Groot. 10.40-11.40—News; Report on the Six Days' Cycle Races.

LAHTI (Finland)

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

(335.2 m.).
Transmits at intervals from 6.5 a.m.
3.0 p.m.—Classical Music. 4.0—Talk.
4.20—Accordion. 4.40—Talk. 5.0—
News (Finnish, Swedish). 5.15—Talk.
5.40—Magyar (Violin). 6.10—Light
Music. 6.50—Paasonen Poems. 7.10—
Dance Music. 7.45—News (Finnish,
Swedish). 8.10-10.0—Dance Music.

LEIPZIG (Germany)

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

5.0 a.m.—Motto; Gym.

5.30-7.0—See Breslau; at 5.50: Notes for Farmers; News.

7.0-8.30—See Berlin. 8.30—Anniversaries. 8.35—For Women. 8.50—Exchange. 8.55—Water Level.

9.0—See Munich. 9.30-9.45—Weather; Programme Notes. 10.30—Weather. 10.45—For Farmers.

11.0 a.m.-1.0 p.m.—See Stuttgart; at 12.0 noon: News. 1.0—News; Exchange.

Exchange.

1.15—Variety from Deutschlandsender. 2.0—Book Review: German History. 2.20—For Children. 2.50—Weather; Markets.
3.0—See Munich. 5.0—A Modern

3.0—See Munich, 5.0—A Modern Dictionary.
5.15—Folk Songs. The "Maximilian Thamm" Folk Song Choir and the "Sängerbund" Male Voice Choir of Franzensbad. Glückliche Liebe (Burgstaller). Heimatwald (Martin). An mein Egerland (Pfeifer). Songs to the Lute in Egerland Dialect (Lohherger). Egerland Dialect Choruses: (a) Zwoa Räisala (Sabathil), (b) A gouta Stun (Anton), (c) Tscheimst ümandum (Weiss). Egerland Dialect Choruses: (a) Tonnawold, du bist sua schäi, (b) Wöi ma ma Herzell lächt, (c) Ba uns dahaim in Eghaland.

land. 6.0—"An Evening with Chopin"— Sketch (Hänsler) with Blumer (Pfte.).

Sketch (Hänsler), 7.0—News.
7.0—News.
7.10—See Königsberg.
9.30-11.0—Variety Concert. Leipzig
Symphony Orchestra. Conductor:
Kretzschmar. Tresi Rudolph (Soprano). Luitpold Ganther (Tenor).

LILLE (Radio PTT Nord)

1,213 kc/s (247.3 m.); 60 kW.
Transmits at intervals from 6.50 a.m.
7.0 p.m.—Music-Hall, 7.30—Records:
Light Music, 8.0—Sports, 8.15—
For Housewives, 8.30—Dramatic
Programme, 10.30—News,

LYONS (PTT) (France)
648 kc/s (463 m.); 100 kW.
Transmits at intervals from 6.50 a.m.
6.30 p.m.—News. 7.30—Surprise Programme. 8.0—Talks.
8.30—Plays: (a) "Le cheval de cirque" (Gignoux), (b) "Scule (Duvernois), (c) "La Lettre charge" (Courteline). 9.30-12.0 m²t—Dance Records; at 10.30; News.

MONTE CENERI (Switzerland)

MONTE CENERI (Switzerland)
1,167 kc/s (257.1 m.); 15 kW.
Transmits at intervals from 11.0 a.m.
11.0 a.m.-12.45 p.m.—See Beromünster; at 11.30; News. 12.45-1.0—Fashions. 3.29—Time. 3.30—Dance Music. 4.0—Talk: Figures in Ticino History—Captain Camossi.
4.10-5.0—Radio Orchestra. Conductor: Casella. Mazzacurati ("Cello). Overture, "Nina" (Paisicilo). "Cello Concerto in B flat (Boccherini). Three German Dances (Mozart). "Cello: Romance (Beethoven).
5.59—Announcements; Records. 6.15—Weekly Review. 6.30—Records. 6.45—News. 7.0—To be announced. 8.0—Opera Programme. 8.45—Talk: Statesmen of the Ticino—G. B. Quadride Vigotti.

de Vigotti. 9.0-10.0—Dance Music, Part I: Folk Dances by the Rusticanella Band. Part II: Jazz by the Bob Engel Band.

MUNICH (Germany)
740 kc/s (405.4 m.); 100 kW.
Relayed by Nürnberg, 1,267 kc/s
(236.8 m.).
5.0 a.m.—Weather; Gym. 5.30—
Italian Lesson.
6.0—Programme from Breslau. 7.0—
Motto; Gym. 7.20-7.40—For Women.
9.0-9.30—"The Lonely March"—
Play about November 9th, 1923
(Weinberger). 10.0—For Country
People. Markets { Schrammel Quartet; Dialect Sketch; News.
11.0 a.m.-1.0 p.m.—See Stuttgart; at
12.0 noon: News. 1.0—News;
Exchange.
1.10—Weekly Sports.
Bulletin. 1.20—"Dialect or no

SATURDAY (November 7)

Dialect?" Discussion by Girls from Various Districts. 1.45—Records: Light Music. 2.20—Talk: Franconia's Reich Motor Roads. 2.50—Weather;

Light Music. 2.20—Talk: Franconia's Reich Motor Roads. 2.50—Weather; Markets.

3.0—For Young and Old—Concert of Popular Music. Station Orchestra, Choir, Dance Band and Schrammel Band. Conductor: List; Maria Reining (Soprand); Walter Carnuth (Tenor); Ludwig Köhler-Evanell (Mandoline), and others.

5:0—Light Music by the Augsburg Dance Band. Conductor: Stimmler. Marching Song, Dérèlleine Husar (Stolz). Tanzendes Eeben (Kletzki). Jedes Mägdelein fräumt vom glücklich sein (Müller-Marc). Tango; Jania (Kötscher). Waltz, Strahlender Süden (Wetzel). Schnsüchtige Melodie (Wismar). Funkraketen (Rixner). Selection, "Ball der Nationen" (Raymond).

5:50—Hitler Youth greets Old Members of the National Socialist Movement. 6:20—Talk: Franz Marc's Picture, "The Red Roe." 6:30—Records of Gigli. 6:40—Novelette in D (Schumann), by Richard Staab (Pfte.). 6:50—Topical. 7:0—News.

7.0—News.
7.10—Lincke's Seventieth Birthday
—Lecture-Recital by Dittrich (Re-

—Lecture-Recital by corded).
7.50—Munich Humour and Variety (arr. Schneider-Franke). 9.0—Time; News. 9.20—To be announced. 9.30-11.0 (from Nürnberg)—Dance Band. Conductor: Schwarz.

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 (222.6 m.);
and Trøndelag, 629 kc/s (476.9 m.).
Transmits at intervals from 10.40 a.m.
4.0 p.m.—Records. 5.0—For Children, 5.30—Economics, 15.50—News.
6.30—Time; Station Orchestra. Conductor: Kramm. Norwegian Rhapsody (Reidarson). Jota Navarra (Sarasate). Elegy (Massenet). Four Norwegian Dances (Hjellemo). Nutcracker Suite (Tchaikovsky); at 7.5: Talk.
7.45—Soirée arranged by the Authors Association. 8.40—News. 9.0—Topical. 9.15—Old Dance Music. 9.45-10.30—Dance Records.

PARIS (Eiffel Tower) (France) PARIS (Eiffel Tower) (France)
1,456 kc/s (206 m); 5 kW.
Transmits at intervals from 8.0 a.m.
6.45 p.m.—Music Talk. 7.0—News;
Racing. 7.20—Foreign Affairs. 7.45
—Press Review, 7.55—Home Affairs.
8.30—Greek Classics: (a) "The
Seven against Thebes!"—Tragedy
(Aeschylus); (b) "Batrachomyomachia" (Homer), adapted by
Laboure.

PARIS (Poste Parisien) (France)

PARIS (Poste Parisien) (France)
959 kc/s (312.8 m.); 60 kW.
7.10 a.m.—Fanfare; Records; at 7.30:
News; at 8.10: Dietetics and at 8.30:
News. 12.0 noon—Exchange. 12.5
p.m.—Records, 12.35—Records:
Light Music, 12.55—Song Records.
1.15—Folies-Berge're. 1.30—Exchange.
1.33—Massenet Records. Excerpts,
"Werther," "Thais."
1.48—"And Life goes on "—Topical
Sequence. 2.0-2.30—For Girls.
3.0—From the A.B.C. Theatre; at
3.45: Exchange. 6.0—Call. 6.2—
Records. Nutcracker Suite (Tchaikovsky). 6.30—Exchange. 6.35—
Dialogue. 6.42—Song Records.
6.47—Foreign Press Review. 7.2—
Record. 7.6—News. 7.30—Records:
Sketches. 7.45—Film Music. 8.0—
Paul Reboux. 8.15—Light Music.
8.30—Chansonnettes.

Sketches. 7.45—Filr Paul Reboux. 8.13 8.30—Chansonnettes.

9.0—"La Chanson dutiroir" (Nohain-Delettre), 9.45—U.S.A. Bulletin from New York, 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.
2.30 p.m.—Concert for Hospitals.
Pfte.: (a) Cordova (Albéniz), by
Albumblad (Grieg). Songs. "Ash on
the Carpet"—Sketch (Guliani).
3.0—Literary Talk. 3.50—Elisabeth
Kotlaroff (Songs).
923 4.—Marius Casadesus (Violin); Suzette Delfaud (Pfte.). Concerto in A
minor (Bach). Catalan Folk
Tunes (arr. Casadesus). Pour invoquer Pan (Debussy). L'ingénue
ws;
(casadesus). L'icbesfreud (Kreisler).
orts. 4.30—Pasdeloup Concert.
no 6.30—News; Review. 7.30—Weather.

SATURDAY (November 7)

7.38-Talk arranged by the Board of

7.38—Talk arranged by the Board of Trade.
7.45—Simone Jacsont (Pfte.). Musette en rondeau (Rameau). Gavotte and Musette (Bach). Gavotte (Handel). Minuet (Paderewski).
8.0—Film Review. 8.10—Economics.
8.20—Reading (Villers de l'Isle-Adam).
8.30—Popular Concert. National Orchestra. Conductor: Morel. André Asselin (Violin); Françoise Holnay (Songs). Overture, "Zals" (Rameau). Violin Concerto in E (Bach). Ballet, "Le Mage" (Massenet). Eglogue (Rabaud). Iseyl (Pierné). Two Sketches (Halfter). Three Songs (Roland Manuel): (a) En Arles, (b) Géronte, (c) Le temps d'Adonis. Pastorale from "La Farce du Cuvier" (Dupont). Agnès, dame galante (Février). 10.30—News.
10.45—Dance Music by the Robert Orchestra.

PARIS (Radio-Paris) (France) 182 kc/s (1,648 m.); 80 kW. 6.45 a.m.—Gym. 7.0—Records. 7.15—Press Review. 8.0—Records. 11.0—Records: French Operetta

11.0—Records: French Operetta Music.
12.0 noon—For Farmers. 12.15 p.m.—Records: Oriental Music.
12.45—News; Review.
12.45—News; Review.
12.45—News; Review.
12.65—Records: Venice in Music.
Selection, "Le Carnaval de Venise" (Thomas). Overture, "A Night in Venice" (Joh. Strauss). Venice, City of Love (Kaper-Jurnann). Le marchand de Venise (Rinaldi).
115—Danjou (Songs).
1.30—Records: Light Music. 2.0—Talk: Birds. 2.15—Reading by Marcel Berger. 2.30—Records: Music-Hall. 3.0—For Children.
4.0—Light Music by the Pascal Orchestra.
5.0—Literary Review. 5.15—Talk: The Influence of Modern Art on Life in Indochina.
5.30—Records: Italian. Bel Canto.

5.0—Literary Review.

The Influence of Modern Art on Life in Indochina.

5.30—Records: Italian. Bel Canto. De Luca: Aria, "La Gioconda" (Ponchielli). Tito Schipa: Una furtiva lagrima, "L'Elisir d'amore" (Donizetti). Toti dal Monte: Aria, "La sonnambula" (Bellini). Caruso: Your little hand is frozen, "La Bohème" (Puccini). Laura Volpi: Aria, "Andrea Chenier" (Giordano). Lily Pons: Cavatina, "The Barber of Seville" (Rossini). 6.0—Economics. Review; Talk: The Devaluation of English Currency. 6.30—Records: Novelties. 7.0—Waltz Records: Novelties. 7.0—Waltz Records. 7.30—Talk: Ninon de Lenclos. 7.45—Racing. 8.0—Simone Sorelli (Songs); Marguérite Delcourt (Harpsichord). Part I. Songs. Tes yeux tristes (Lenormand). Two Songs (Franz). Il Primo amor (Widor). Ragna (Grieg). Part II. Harpsichord. Pavane (Byrd). Chaconne (Couperin). Sarabande (de Chambonnières). Sarabande (de Chambonnières). Sarabande (Bach). Tricotets (Rameau). Sicilienne (Scarlatti).

8.30—News. 8.45—Concert Version, "On ne badine pas avec l'amour"—Three-Act Opéra-Comique (Pierné). Conductor: Bigot. 10.45—Dance Music by the Porée Orchestra. Overture, "La fille de Madame Angot" (Lecocq). Telévision d'Orient (Ramby). Selection, "HR.H." (Caryll). Songs. Xylophone Solos. La Nursery (Inghelbrecht). Prelude (Haydn-Wood). En terre celtique (Duhamel).

PRAGUE (Czechoslovakia)
638 kc/s (470.2 m.); 120 kW.
Transmits at intervals from 5.15 a.m.
10.0 a.m.—Record. 10.5—Band from
Moravská-Ostrava. 10.55—For Farmers. 11.11—Records. 11.25—News.
11.35-12.30 p.m.—See Brno. 12.30—
Talk: Export Trade. 12.40—
Records. 12.50—Exchange. 12.55—
1.40—For Schools.
2.0—See Bratislava. 3.0—Weather.
3.5—Orchestra from Kosice. 3.45—
For Children. 4.35—For Farmers.
4.45—For Workers. 4,55—German
Transmission; Sports; Political Talk;
Folk Songs by a Peasant Quartet.
5.45—News in German. 6.0—News.
6.15—Light Music and Dance Music
from Moravská-Ostrava. 7.0—Dlscussions.

from Moravska-Ustrava.

7.15—Military Band. Conductor:
Pesta, March (Priborský). Song
(Friml). Slovak Dance (Vackár).
Sousedská (Pesta). Polka (Smetana).
Intermezzo (Bayer). Song (Horný).
Siamesische Wachtparade (Lincke).
Intermezzo, Night on the Sava
(Zaic). Sokol March (Pesta).

8.0—Programme for the Soviet Russian State Holiday. Orchestra, Conductor: Jeremias. Recitations. 9.0—Time; News. 9.15—Records: 9.30-10.30—Pance Music

RADIO CÔTE d'AZUR

(Juan-les-Pins) (France) 1,276 kc/s (235.1 m.); 27 kW. Transmits at intervals from 12.15 p.m. 6.15 p.m.—Dance Music. 6.30— Variety.

7.0—Orchestra. Overture (Tchaikov-0—Orchestra. Overture (16ABKOV-sky). Symphony in C minor (Brahms). 7.25—Amusements; For Children. 7.30—Weekly Review. 7.45—Light Music. 8.0—News. 8.20—Light Music. 9.10—Variety. 10.0—News. 10.15—Dance Music.

RADIO-NORMANDIE

(France) 1,113 kc/s (269.5 m.); 15 kW. 1,113 kc/s (269.5 m.); 15 kW.

7.0 a.m.—Military Music; at 7.10: News. 8.0—Songs. 8.15—Records. 8.30—Light Music. 9.15—Records. 9.0—Popular Music. 9.15—Songs. 9.30—Records. 10.15—Light Music. 10.45—Dance Music. 11.0—Light Music. 10.45—Dance Music. 11.0—Light Music. 12.0 noon—Records. 12.20
p.m. — Hawaiian Guitar. 12.40
—News. 1.0—Light Music. 1.30—Records. 2.15—Light Music. 1.30—Records. 2.15—Light Music. 3.0—Records. 3.45—Concert. 4.45—For Children. 5.0—Records. 5.15—Light Music. 6.0—Children's Corner. 6.40—Talk; Racing. 7.0—Concert. 7.40—News. 8.0—Records.

Racing. 7.0-8.0-Records.

8.20—Concert. Excerpts, "La Fille de Madame Angot" (Lecocq), "Faust" (Gounod), Les Bracon-niers (Offenbach).

niers (Ottenbach).
40—Classical Músic. Symphony in F—The Pastoral (Beethoven). First Sonata (Saint-Saëns).

Music. 11.30—From the Cabane Normande. 12.0 m't—Dance Music. 12.30-1.0 a.m. (Sunday)—Orchestra.

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

ROME (Italy)
713 kc/s (420.8 m.); 50 kW. Relayed by Naples, I,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.

Transmits at intervals from 6.43 a.m.
12.10 p.m.—Mancini Orchestra. 12.50
—News. 1.0—Records; Exchange.
1.15-2.0—News; Talks; Organ.
3.0—Educational Talk by Ferruccio
Ferrazzi: Painting. 3.40—For Ferrazzi: Painting. Children. 4.0—News.

Children. 4.0—News.
4.15—See Turin. 4.55—Talk. 5.10-5.40—Rural Programme. 5.50—Dopolavoro Notes. 6.0—Records; Talk in Esperanto. 6.20—News in Foreign Languages. 7.5—Time; News; Lotteries. 7.30—Talk. 7.40—"Gente in treno"—One-Act Play (Giannini).
8.10—Orchestral Concert. Conductor; Gavazzeni. Pierangeli (Violin). In the interval: Talk. 10.0—News. 10.15-11.30—Dance Music.

SOFIA (Bulgaria)

850 kc/s (352,9 m.); 1 kW.
Transmits at intervals from 10.0 a.m.
4.30 p.m.—Police Band. 5.50—Songs.
6.10—Sofia Wind Instrument Quintet.
6.45—Talk. 7.0—Songs. 7.35—Three
Symphonic Pieces (Glazunov). 7.45
—News. 8.0-9.30—Light Music
and Dance Music; at 8.45: Notes.

SOTTENS (Switzerland)

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

m.).
11.0 a.m.,-12.45 p.m.—See Beromūńster; at 11.30: News. 12.45 p.m.—News. 12.50-1.10 (from Geneva)—An Interview, 3.29—Time.
3.30-5.0—See Monte Ceneri. 5.0—Lausanne Cathedral Chimes. 5.10—For Children. 6.0—A Radio Film. 6.50—News. 7.0—Weekly Sound

30—French Contemporary Radio Suisse romande Orchestra. Conductor: Haug. Maurice Perrin (Pfte.). Suburbis (Monpou). Pfte. (Honegger). Paysage 7.30—French Contemporary Music Radio Suisse romande Orchestra Conductor: Flaus, Conductor: Flaus, Conductor: General Monegger). Paysage pour une Jeanne d'Arc à Domremy (Ribier). Pfte. and Orchestra: Aubade (Poulenc). Valses nobles et sentimentales (Ravel).

8.50-10.0—Alexander Dance Band.

STOCKHOLM (Sweden)

Transmits at intervals from 6.20 a.m.

1.0 p.m.—Military Band. 2.0—Reading. 2.30—Light Music by the Österberg Orchestra. 3.5—Play for Children.

Stations of Children.

3.35—Norwegian Music by Mary Barratt-Due (Pfte.). Pieces (Sinding): (a) Prelude in A flat, (b) Piece in Folk Style), (c) March. Six Lom Folk Songs (Olsen). Suite (Johansen). Carnival Piece (Grieg).

4.5—The Ceremony of the Chairing of a Professor at Uppsala University. 5.10—Records. 6.0—"The Björk Family"—Sketch (Alice Svensk). 6.30—Old Dance Music. 7.15—Report. 8.0—Cabaret, 8.45—News. 9.0-10.0—Station Dance Band.



Paul Lincke. Deutschlandsender gives a programme in honour of his 70th birthday (7.10 p.m.)

STRASBOURG (France)

859 kc/s (349.2 m.); 100 kW. Transmits at intervals from 6.45 a.m Transmits at intervals from 6.45 a.m. 11.45 a.m.—Records. 12.50 p.m. (approx.)—News. 1,15—Light Music by the Station Orchestra. Conductor: Bour. 2.0—Records. 2.15—Exchange 2.30-4.0—Light Music. 4.30—See Paris (PTT). 6.30—News; Review. 7.30—News. 7.45—News (German). 8.0—Sports. 8.20—Press Review (German). 8.30—One-Act Plays: (a) "Le Bal"

Resident (German).

8.30—One-Act Plays: (a) "Le Bal"—in Verse (Regnard), (b) "Les deux Clochards" (Maxime-Léry).

10.0—Concert from the Palais des Fêtes, 10.30—News.

11.0—News (German). (German)

STUTTGART (Germany)
574 kc/s (522.6 m.); 100 kW.
5.0 a.m.—Hymn; Weather; Gym.
5.30-7.0—See Breslau. 7.0—Water
Level; Weather; Gym.
7.30—See Berlin. 8.30-8.40—Programme Notes.
9.0.9.30 See Munich. 10.30—For

9.0-9.30—See Munich. 10.30—For

9.0-9.30—See Munich. 10.30—For Farmers.
11.0 a.m.-1.0 p.m.—Popular Concert from Heidelberg, Heidelberg Municipal Orchestra. Conductor: Bohne; Band. Conductor: Schetters; Ly Brühl (Soprano); Paul Belak (Tenor); Adolf Fischer (Violin); Heidelberg Municipal Theatre Vocal Quartet. March, Hoch Heidecksburg (Herzer). Overture, Im Herbst (Köhler). Violin: Souvenir de Sarasate (Friedemann). March, Einzug schneidiger Truppen (Blankenburg). Duet, "Gasparone" (Millöcker). Glockenblumen (Löhr). March, The Gladiators Farewell (Blankenburg). Waltz, Lustige Brüder (Vollstedt). Two Hungarian Dances (Brahms). Florentine March (Flucik). March, Hand in Hand (Blon). Overture, "La macarena" (Behr). Selection, "Liebesqual um Hannibal" (Metz-Hübsch). March, Folies bergère (Lincke). Waltz, Grossstadtkinder (Erll). March, Deutschlands Ruhm (Schröder) at 12.0 noon: News.

1.0 p.m.—See Deutschlandsender.
2.0—"From the Alps to the Baltic"
— Songs and Music by Hitler

Youth from North and South (Recorded). 2.30—Luis Trenker talks about himself (Recorded). 2.55—Call of Youth.

3.0—See Munich. 5.0—Weekly Sound News.

News.
5.30—Folk Music by the Berne
Yodelling Club. 6.0—Records: Popular Hits. 7.0—News.

7.10—See Königsberg. 9.0-News. 9.30—Records.
10.0—See Deutschlandsender. 9.0-Time :

News. 9.30—Records.

10.0—See Deutschlandsender.

11.0 p.m.-1.0 a.m. (Sunday)—Serenade (Recorded), March, Regimentsgruss (Steinbeck). Overture, "Poet and Peasant" (Suppé). Kaiserwalzer (Strauss). Army March on Themes from "La dame blanche" (Boieldieu). Hungarian Dance (Brahms). Hildebrande-Ballade (Lichner). Overture, "The Daughter of the Regiment" (Donizetti). Army March (Gerold). Anitra's Dance (Grieg). Waltz, Dorfschwalben aus Oesterreich (Strauss). March, Deutsche Wehr (Hohberg). Song, Wenn man beim Wein sitzt (Abt). Overture, "Light Cavalry" (Suppé). Czardas (Hohberg). Perpetuum mobile (Strauss). Weddigen-Marsch (Büttner). Waltz, Die Werber (Lamer). March, Aus eigener Kraft (Rupprecht).

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW.
Transmits at intervals from 8.0 a.m.
8.0 p.m.—News. 8.15—Band.
8.25—Excerpts, "1 Pagliacci" (Leoncavallo). 8.40—Dance Music. 8.55—News. 9.10—"Croisières"—Fantasy. 9.45—Paris Programme. 10.15—Orchestra. 10.40—Film Music. 10.55—News. 11.0—Light Music. 11.15—Argentine Orchestra.
11.40—Operetta Songs, "Brummel"

11.40—Operetta Songs, "Brummel"
(Hahn). "Simone est comme ça"
(Moretti). "Faires est pour poi 11.40—Operetta Songs, "B'ummel" (Hahn). "Simone est comme ça" (Moretti), "Faites ça pour moi" (Gabaroche), "Malvina" (Hahn). 11.55—News. 12.5 a.m. (Sunday). Light Music. 12.20—Band, 12.30—Announcements.

TURIN (No. 1) (Italy)

1,140 kc/s (263.2 m.); 7 kW. Relayed by Milan (No. 1), 814 kc/s (368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,140 kc/s (263.2 m.); Florence, 610 kc/s (491.8 m.); Bolzano, 536 kc/s (559.7 m.); and Rome (No. 3), 1,258 kc/s (238.5 m.).

6.45 a.m.—Gym. 7.0-7.20—News.

10.30—Malatesta Chamber Orchestra. 11.15—Records. 11.45—News. 12.0 noon—Sports. 12.10-1.15 p.m.—See Rome.

3.0—See Rome. 3.40—For Children. 4.0—News.

4.0—News.

4.15—Dance Music. 4.55—Talk.
5.10-5.40—Rural Programme. 5.30—
Dopolayoro Notes. 6.0—News in Foreign Languages. 7.5—Time;
News; Lotteries. 7.30—Talk.
7.40—Excerpts, "Consuelo"—Opera (Rendano). Conductor: Morelli. Chorus' Master: Costantini. Cast: Maria Persula, Mazziotti, Conti, Meletti, Gualda Caputo and Agnese Dubbini. 8.55—Talk.
9.5—Viganelli (Organ). Pastorale (Pasquini). Choral (Bach). Fugue in E Flat (Tortora). Legend (Manari). Berceuse (Refice). Choral in A minor (Franck); at 9.35: Announcements.

10.0 (approx.)-News.

VIENNA (Austria)

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW.
Relayed by Graz and Linz, 886 kc/s
(338.6 m.); Innsbruck, 519 kc/s
578 m.); Klagenfurt and Vorarlberg, 1,294 kc/s (231.8 m.); and
Salzburg, 1,348 kc/s (222.6 m.).
6.0 a.m.—Gym. 6.20—News. 6.257.0—Records. 8.10—News. 9.50—
Records: Peasant Music. 10.20—
Water Level; Weather. 10.30—
Fashion Talk. 10.55—Weather.
11.0—Station Orchestra. Conductor:

Fashion Talk. 10.55—Weather.

11.0—Station Orchestra. Conductor:
Holzer. Wanausek (Flute). Overture,
"Der Freischütz" (Weber). Flute
Concertino (Andress). Waltz, Widmungsblätter (Strauss). Ballet, "Die
Schöne von Fogaroach" (Grünfeld).
Volksliedchen und Märchen (Komzak). Overture, "Pique Dame"
(Suppé). Potpourri, Three Strausses
(Lindemann). Old Viennese Pictures
in Biedermeier Style (Bass). Waltz,
Natursänger (Ziehrer). MickyMouse's Dream (Kliment). Potpourri,
Bei den Wiener Schrammeln
(Reetenwald); at 12.0 noon: News.

1.0 p.m.—Records: Duets with Gigli (Tenor). Pinza and Gigli: Duets, "Lucia di Lammermoor" (Donizetti). De Luca and Gigli: Duets, "La Gioconda" (Ponchicelli), "The Force of Destiny" (Verdi), "La Boheme" (Puccini).

1.30—Announcements. 2.0—Time; Markets. 2.15—Talk in Italian: Michelangelo.

Markets. 2.15—Talk in Italian: Michelangelo. 2.35—Vienna Schubert Society and Lyric Quartet; Isolde Riehl (Contralto) and Lambert Haselbrunner (Tenor). Conductor: Keldorfer. Sixteenth Century Folk Song. Verlorenes Lied (Kirchl). Songs (Weber): (a) Gebet vor der Schlacht, (b) Lützows wilde Jagd, (c) Schlummerlied, (d) Mein Schätzle ist hübsch. Songs (Bruckner): (a) Tafellied, (b) Mitternacht, (c) Um Mitternacht, (d) Träumen und Wachen. 320—Name Leiden in Italian: 10 Träumen und Wachen.

Mitternacht, (d) Träumen und Wachen.
3.20—News; Exchange. 3.25—Talk: Mountains. 3.40—Talk; Flying over Foreign Lands. 4.5—Records.
5.0—Folk Songs and Viennese Classics, from the Konzerthaussaal. 5.30—Foreign Affairs. 6.0—Time; News. 6.15—Franz Wagner (Pfte.). Pieces (Schumann): (a) Des Abends, (b) Grillen, (c) Warum?, (d) Träumes-wirren. Pieces (Schubert): (a) Impromptu in G, (b) Valses nobles. Pieces (Chopin): (a) Etude in A flat, (b) Mazurka in D, (c) Polonaise in A flat.

Pieces (Chopin): (a) Etude in A flat, (b) Mazurka in D, (c) Polonaise in A flat, (b) Mazurka in D, (c) Polonaise in A flat, (b) Mazurka in D, (c) Polonaise in A flat.

7.25—"Civil and Military"—Station Orchestra. Conductor: Holzer; a Military Band. Conductor: Gaigg. March, Das ist der Zauber Monturi (Ziehrer). Overture, "A Summer Night's Dream "(Suppé). Siamese Watch Parade (Lincke). Waltz, Gral zum Gruss! (Humel). Potpourri, Ernst und Scherz fürs Wiener Herz (Komzak). Italian Melody (Moszkowski). Tango Song, Ein Sträussschen Rosmarin (Steinbrecher-Gäigg). Vision (Drdla). Overture, "Norma" (Bellini). Waltz, Nachtschwärmer (Ziehrer). March. Triglav (Fuclk). Hoch das dritte Regiment! (Gebauer). Potpourri, Diamonds and Pearls (Dostal). Waltz, Badner Mad'ln (Zierher). Waltz, Badner Mad'ln (Konzak). Marching Song, Lass mich schau'n! (Eisenstein-Gaigg).

8.50—Film Review. 9.10—News.
9.20—Commentary on the Swimming Contest Berlin v. Vienna from the Dianabad.

9.50—Jecha Jazz Band; Schier (Refrains): at 10.0: Announcements.

Dianabad. 9.50—Jecha Jazz Band; Schier (Refrains); at 10.0: Announcements. 11.0-12.0 m't—Magyari Cigany Band from Budapest.

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.); Lódz, 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.).

Wilno, 536 ke/s (559.7 m.).

5.30 a.m.—Hymn; Gym. 5.50—
Records. 6.15—News; Announcements. 6.30—Records. 7.0-7.10—For
Schools. 10.30—Songs. 10.57—
Fanfare. 11.3—Station Orchestra.
Conductor: Görzyński. 11.40—
Farmers' *Letter-box. 11.30 a.m.12.14 p.m.—News.
1.30 (from Lwów)—Opera for Children (Cui). 2.0—Economics. 2.15—
Records. 3.0—Programme Notes.
3.10—Art Notes.

-Art Notes.

Records. 3.0—Programme Notes. 3.10—Art Notes.
3.15—Inauguration of the New Radio Station at Wilno. Addresses. Songs by Contemporary Wilno. Composers, sung by the "Pro Arte" Double Vocal Quartet. (Rudziński, Zosonowski, Jakajtis, Szeligowski, Weslawski). 4.0 (from Wilno)—Service from the Ostro-Brama. 4.50—Books. 5.0—Topical. 5.10—Sports. 5.20—Announcements. 5.45—Programme Notes. 5.50—Topical. 6.0 (from Wilno)—For Poles Abroad: Kosciuszko Programme. 6.30 (from Lwów)—Seredyński Orchestra. Intermezzo, "Das Kätzchen" (Siede). Am Lagerfeuer (Siede). Am Lagerfeuer (Siede). Japanese Lullaby (Armandola). Serenade (Heykens). Descriptive Piece (Kêler-Béla).
7.0 (from Wilno)—Polish Folk Songs for Choir. 7.30—Reading. 7.45—

Bela).
7.0 (from Wilno)—Polish Folk Songs for Choir. 7.30—Reading. 7.45—News. 7.55—Topical.
8.0—Finnish Music by Minna Talvik-

8.0—Finnish Music by Minna TalvikPalmgren (Songs) and Selim Palmgren (Pfte.). Prelude in B flat
(Palmgren). Sonatina in F (Palmgren). Le diamant sur la neige de
Mars (Sibelius). L'Arbre chauve
(Sibelius). Songs (Kilpinen). Picces
(Palmgren): (a) Barcarolle in D
flat, (b) Au bord du lac, (c) Scherzino in G flat, (d) Caprice in A
minor. Songs (Palmgren).
8.35—Song Records. 9.0 (from
Wilno)—To be announced.
9.30—Station Dance Band.

STATIONS IN ORDER OF FREQUENCIES AND WAVELENCTHS

Corrected in accordance with the latest official information available at the time of going to press. Station
LONDON NATIONAL
NORTH NATIONAL
WEST NATIONAL
Kosice (Czechoslovakia)
Monte Ceneri (Switzerdand)
Copenhagen (Denmark) KW ke/s 171 kW Station kc/s m_{η} Band No. 1. 150-300 kc/s. Assiut (Egypt) 29 410.4 731 Ankara (Turkey) Kaunas (Lithuania) Tallinn (Estonia)
Munich (Germany) 20 1149 261.1 29 5 1961 153 740 405.4 100 20 Hilversum (No. 1) (Holland) (Transmits K.R.O. and N.C.R.V. Programmes) 1158 259.1 90 Marseilles (PTT) (France) 10 100 400.5 Pori (Finland)
Sortavala (Finland) 257.1 749 1167 15 N.C.R.V. Programmes) (Power 10 kW only until 3.40 p.m. G.M.T.) 1176 255.1 1875 Cassel (Germany)

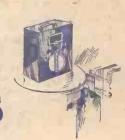
Coblenz (Germany)

Frankfurt (Germany) 160 758 395.8 Katowice (Poland) 10 1185 253.2 BURGHEAD SCOTTISH REGIONAL 60 70 60 391.1 { 767 Radio-Romania. (Romania) Lahti (Finland) Moscow (No. 1) (U.S.S.R.) 0.5 150 Scott Hish Regional Stalino (U.S.S.R.) Toulouse (PTT) (France) Fredrikstad (Norway) Leipzig (Germany) Barcelona (EAJI) (Spain) 1807 159 165 776 386.6 120 1195 251 25 172 1744 Freiburg-im-Breisgau(Germany)
Trier (Germany)
Prague (No. 2)(Czechoslovakia)
Temp'ly suspended
Lille(Radio PTT Nord)(France) 132 1648 Radio-Paris (France) 785 382.2 120 Istanbul (Turkey) Irkoutsk (U.S.S.R.) Deutschlandsender (Germany) 185 1622 7.5 1204 249.2 137.5 1600 20 377.4 795 Lwów (Poland)
WEST REGIONAL
Milan (No.-1) (Italy)
Bucharest (Romania) 50 191 1571 Deutschlandsender (Germany)
DROITWICH
Minsk (U.S.S.R.)
Reykjavik (Iceland)
Motala (Sweden)
Novosibirsk (U.S.S.R.)
Warsaw (No. 1) (Poland)
Luxembourg
Leningrad (No. 1) (U.S.S.R.)
Kalundborg (Denmark)
Vienna Experimental (Austria)
Aalesund (Norway)
Tashkent (U.S.S.R.)
Oslo (Norway) 60 1213 247.3 204 373.1 70 200 1500 150 50 35 16 814 368.6 Radio - Marconi 50 (Bologna) 1442 (Italy)
Narvik (Norway)
Gleiwitz (Germany)
Cork (Irish Free State)
Saarbriicken (Germany) 2913 823 364.5 1222 245.5 369.6 100 Moscow (No. 4) (U.S.S.R.) Agen (France) 1389 215 832 0.5 217.5 1379 100 1231 243.7 100 Berlin (Germany) 841 356.7 224 1339 120 1240 241.9 Bergen (Norway)
Porsgrund (Norway)
Sofia (Bulgaria)
Valencia (Spain) 150 1249 240.2 232 1293 Riga (Latvia)
Rome (No. 3) (Italy)
San Sebastian EAJ8 (Spain)
Nürnberg (Germany)
Radio Côte d'Azur (France) 352.9 1258 238.5 60 241 1250 0.5 Simferopol (U.S.S.R.) 1185.8 10 349.2 100 1267 236,8 253 859 Strasbourg (France)
Poznań (Poland)
LONDON REGIONAL 25.5.4 1170 25 Tashkent (U.S.S.R.)
8 60 Oslo (Norway)
100 Moscow (No. 2) (U.S.S.R.)
8 10 Tronsö (Norway)
35 Tiflis (U.S.S.R.)
8 and No. 2. 300-500 kc/s.
3 10 Saratov (U.S.S.R.)
6 10 Finmark (Norway)
1 20 Rostov-on-Don (U.S.S.R.)
5 18 Budapest (No. 2) (Hungary)
40 Sverdlovdsk (U.S.S.R.) 863 345.6 235.1 1153.8 16 1276 0.5 Christiansand (Norway) 877 342.1 0.5 Stavanger (Norway) ABERDEEN 271 1107 Linz (Austria)
Graz (Austria)
Helsinki (Finland)
Limoges (PTT) (France) 15 1063.8 338.6 242 836 1285 233.5 0.25 Dresden (Germany) 233 1060 5 Klagenfurt (Austria)
5 Vorarlberg (Austria)
0.5 Danzig (Danzig Free City)
0.25 Karlstad (Sweden) 10 895 335.2 1294 231.8 882.3 347 Hamburg (Germany)
Dniepropetrovsk (U.S.S.R.)
Toulouse (Radio - Toulouse)
(France) 100 317 864.6 904 331.9 1303 230.2 845.1 10 355 913 328.6 2.5 Malmö (Sweden) 0.25 Norrköping (Sweden) 0.25 Trollhättan (Sweden) 357.5 60 834.5 1312 228.7 (France)
Brno (Czechoslovakia)
Brussels (No. 2) (Belgium)
Algiers (North Africa)
Göteborg (Sweden)
Breslau (Germany)
Poste Parisien (France)
Bordeaux-Sud-Ouest (France)
Odessa (U.S.S.R.)
NORTHERN
REGIONAL 800 375 32 325.4 Boden (Sweden) 977 321.9 Banski-Bystrica (Czecho.) (Power 15 kW after 5 p.m. G.M.T.) 15 932 227.1 132F Magyaróvar (Hungary) 372 765 Bremen (Germany) Hanover (Germany) 318.8 941 10 1330 225.6 1.3 Geneva (Switzerland)
00 Moscow (No. 3) (U.S.S.R.)
0.6 Östersund (Sweden)
10 Voronezh (U.S.S.R.) Stettin (Germany)
Montpelier (PTT) (France)
Lódz (Poland)
Dublin (Irish Free State) 315.8 950 100 748 101 959 312.8 30 1.2 309.9 968 413.5 726 10 1339 224 10 10 Voronezh (U.S.S.R.)
1.2 Oulu (Uleaborg) (Finland)
Band No. 3. 500-1,500-kc/s.
1 Innsbruck (Austria)
0.7 Hamar (Norway)
0.5 Tartu (Estonia)
0.3 6.3 Liubljana (Yugoslavia)
10 Vipuri (Finland)
10 Rolzano (Italy) 307.1 IRELAND 977 100 431 REGIONAL Rjukan (Norway) Salzburg (Austria) Tampere (Finland) 0.15 979 306. 0.4 Rueil-Malmaison (Beziers) 517 578 1348 222.6 (France) Genoa (Italy) Tampere (Finland)
Cairo (No. 2) (Egypt)
Königsberg (No. 2) (Germany)
Notodden (Norway)
Milan (No. 2) (Italy)
Turin (No. 2) (Italy)
Bari (No. 2) (Italy)
L'He de France (France)
Basle (Switzerland) 10 575 522 304.3 985 Torun (Poland) 569.3 527 995 301.5 Hilversum (No. 2) (Holland) 0.15 Vitpuri (Finand)
Bolzano (Italy)
Wilno (Poland)
Budapest (No. 1) (Hungary)
Beromünster (Switzerland)
Athlone (Irish Free State)
Klaipeda (Lithuania)
Palermo (Italy) V.A.R.A. and V.P.R.O.,
Programmes) (15 kW only
until 3.40 p.m. G.M.T.)
Bratislava (Czechoslovakia)
MIDLAND REGIONAL 10 535 1357 221.1 559.7 0.2 16 120 549.5 546 100 1365 219.6 0.7 536 532.6 13.5 1004 298.8 218.2 1375 Barne (Switzerland)
Warsaw (No. 2) (Poland)
Radio-Lyons (France)
Stara-Zagora (Bulgaria) 70 585 531 10 0.5 296.2 1013 Chernigov (U.S.S.R.)
Barcelona (EAJ15) (Spain)
Cracow (Poland)
Oviedo (Spain) 1384 216.8 100 Stuttgart (Germany) 3 1393 574 522.6 215.4 Madona (Latvia)
Alpes-Grenobles (PTT)(France)
Archangel (U.S.S.R.)
Vienna (Austria)
Rabat (Morocco) 1022 293.5 1492 214 514.6 583 0.7 1420 211.3 Vaasa-Vasa (Finland) Alexandria (No. 2) (Egypt)
Kaiserslautern (Germany)
Turku (Finland)
Miskole (Hungary)
Eiffel Tower (Paris) (France) 100 Königsberg (No. 1) (Heilsberg) 586 512 10 0.5 (Germany) Parede (Portugal) 596.8 100 1031 291 209.9 592 1429 499.2 691 Sundsvall (Sweden) Leningrad (No. 2) (U.S.S.R.) 208.6 1438 1049 288.5 Rennes-Bretagne (France)
SCOTTISH NATIONAL
Bari (No. 1) (Italy)
Radio-Cité (Paris) (France)
Tiraspol (U.S.S.R.)
Bordeaux-Lafayette (France) Florence (Italy)
Brussels (No. 1) (Belgium)
Cairo (No. 1) (Egypt) 610 491.8 120 1456 205 1059 285.7 1.25 15 Pecs (Hungary) 483.9 620 283.3 20 20 1059 204.8 Antwerp (Belgium) Courtrai (Belgium) BOURNEMOUTH 1465 Trøndelag (Norway)
Lisbon (Emissora Nacional)
(Portugal) 0.8 280.9 0.1 1068 15 529 476.9 1077 273.6 1474 203.5 PLYMOUTH Falun (Sweden)
Zagreb (Yugoslavia)
Madrid (EAJ7) (Spain)
Vinaitsa (U.S.S.R.) Prague (No. 1) (Czechoslovakia) Temp'ly on 5 kW only Lyons (PTT) (France) 120 470.2 Binche (Belgium) Chatelineau (Belgium) 638 1086 275.2 1437 201.7 0.1 0.7 100 1095 274 Wallonia (Belgium) 0.1 648 463 Petrozavodsk (U.S.S.R.) 10 10 1492 201.1 Nîmes (France) Albacete (Spain) Santiago (Spain) Cologne (Germany) NORTH REGIONAL Sottens (Switzerland) Belgrade (Yugoslavia) 0.7 Naples (Italy) Kuldiga (Latvia) Moravská - Ostrava (Czecho-658 455.9 100 1.5 1104 271.7 0.2 50 449.1 70 100 11.2 677 443.1 Liége Experimental, Radio-Cointe (Belgium)
Wallonia, Seraing,
(Belgium)
Verviers slovakia) Belgrade (Yugoslavia)
Bodö (Norway)
Paris (PTT) (France)
Stockholm (Sweden)
Rome (No. 1) (Italy)
Kiev (U.S.S.R.)
Kharkov (No. 1) (U.S.S.R.)
Madrid (EAJ2) (Spain)
Scritte (Spain) 1113 269.5 437.3 636 10 Radio - Normandie (Fécamp) 0.5 1500 200 (France)
NEWCASTLE 120 431.7 704 426.1 0.25 Pietersaari (Jacobstadt) (Fin-1 New Astronomy 1 New Astronom 1122 267.4 713 420.8 land) Radio-Alcala (Spain) 415.4 0.2 722 265.3 1131 10 1530 196 263.2 10 0.2 Karlskrona (Sweden) 410.4 1140 731 5.5 Seville (Spain) Trieste (Italy) 1737 173 0.1 Liepajá (Latvia)

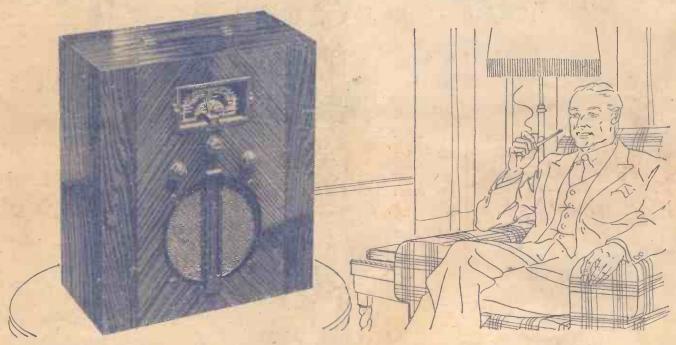


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