

E. H. H. H. H. H.

World-Radio

THE BBC FOREIGN PROGRAMME JOURNAL ★ EVERY FRIDAY **2^D**

WITH FULL INFORMATION FOR THE LISTENER AND TELEVIEWER

POSTAGE
NATIONAL
RESERVE
Time 0015 24/1/36

It is with great sorrow that we make the following announcement:

His Majesty the King passed peacefully away at a few minutes before twelve.

He whom we loved as King has passed from our midst.

We voice the grief of all the peoples of his Empire.

We offer profound sympathy to Her Majesty the Queen and the Royal Family.

With our fellow-citizens at home and overseas we affirm our loyalty to the Crown.

all the usual stations with the usual FERRANTI quality

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Ferranti now bring you the thrill of ALL-WAVE RECEPTION — in their new sets, the All-Wave Straight 3 and the All-Wave Superhet. These receivers offer you all the usual stations with the power and clarity for which Ferranti is famous — plus short waves 19 to 51! Think of the vast and unexplored range of reception this opens up! New stations... new programmes... new thrills — brought to your fireside by sets that bear the name you can trust. Even though you have owned Ferranti sets before and know their capabilities, you will be thrilled as no other radio has ever thrilled you, by these new all-wave receivers. Ask your dealer or send the coupon for details.

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WR1

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MILNES H.T. SUPPLY UNIT Because it is always at full voltage. It recharges from the L.T.

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THE news of the death of his Majesty the King has impressed each one of us with a sense of deep personal bereavement. A beloved Ruler has left us; and the relative suddenness of his passing—for the interval between the first news that his Majesty was suffering from a cold and that which announced his death was but the span of a long and anxious week-end—made his people's sense of loss the more poignant.

High among the incalculable benefits which wireless has brought must rank the opportunity which it gave to the King to speak directly and individually to his subjects throughout the world—the Head, the Father, to each member of his "Great Family." By his broadcasts to the Empire at home and overseas, King George strengthened enormously the bonds which united him to his peoples throughout the world, and transformed one who was always a deeply revered figure, but who could be known to the vast majority only by report, into a personal friend whose accents had become a familiar and deeply treasured memory. And what accents they were!—clear, manly, and transparently sincere.

The unbounded influence of the King's Christmas messages was apparent from the first. The personal strain which each imposed upon him was less clearly understood. It is easier now than it was a month ago to realise how much his Christmas message of 1935 must have cost him. If even habitual broadcasters feel some anxiety until their matter has been safely "put over," we may be certain that the King, on an occasion of such supreme importance, when he was delivering his anxiously-thought-out message to his people, subjected himself—and that gladly—to a strain on his no longer ample reserves of nervous and bodily energy which could not fail to have an exhausting effect on one who had already undergone in the Jubilee Year a series of heavy demands on his strength, and who had but recently suffered a personal bereavement.

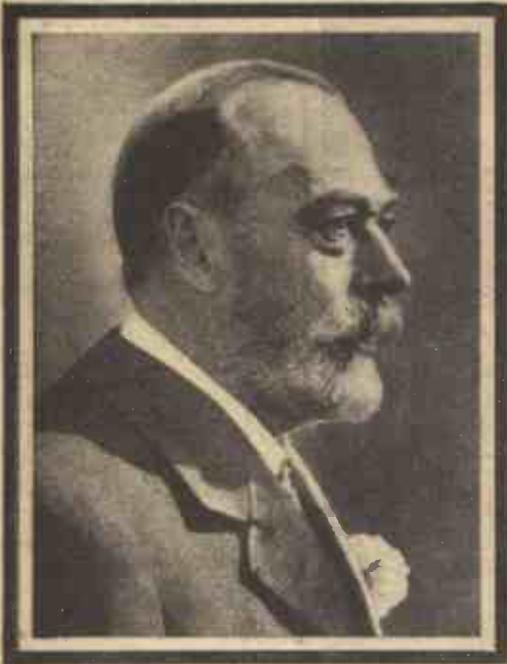
The King was not a frequent broadcaster—a fact which perhaps endowed his relatively rare contacts with the microphone with a very special significance. Few who heard his Majesty's first broadcast—at the opening of the British Empire Exhibition at Wembley in 1924—will ever forget the historic occasion, and memory goes back to the comparatively few succeeding occasions of the highest national importance when the country was addressed by its Sovereign. Eagerly listened to as were his words on all such occasions, it was the personal, intimate contact with his people on Jubilee Day and on the four Christmas Days which forged such a link of sympathy, understanding, and loyal devotion as only the mutual sympathies that existed between the King and his subjects during the testing War days could rival.

In these columns we have recorded, from time to time, instances of the infinite trouble and inconvenience gladly accepted by numbers of isolated dwellers throughout the Empire in their eagerness to hear a message direct from their King; long distances travelled in order to reach a receiving set; people of other allegiances rising long before daybreak to hear the voice of a Monarch whom they had grown not merely to revere but to love.

To the Queen-Mother, whose voice millions rejoiced to hear on the occasion of the launch of the great liner *Queen Mary*; to the new King, who, in the great responsibilities that he must now assume, will be supported by the prayers of his subjects throughout the world; and to all the members of the Royal Family the profound sympathy of the Empire goes out. While we affirm our loyalty and affection to the new King, we cherish thankful memories of a great Monarch and a loved Leader—

"We that had loved him so, followed him, honoured him,
Lived in his mild and magnificent eye,
Learned his great language, caught his clear accents,
Made him our pattern to live and to die."

His Majesty KING GEORGE and the



A portrait taken in 1933

THE most universally known voice in the world was stilled just before midnight on Monday last, when his Majesty King George V passed away.

Only a month ago British citizens scattered throughout the vast reaches of the Empire heard King George give, for the fourth year in succession, a personal Christmas greeting to his many millions of subjects, belonging to every race and creed.

Broadcasting was the link which enabled him, on Christmas Day, 1932, to initiate an event unique in history: the King-Emperor speaking simultaneously to all his peoples. Thus he inaugurated an event which thereafter came to be regarded as an integral part of the Christmas festival—the King's Broadcast Message.

He took, from its earliest days, a keen interest in the development of broadcasting, and in March, 1924, the British Broadcasting Company (as it then was) had the honour of presenting to his Majesty a specially-made wireless receiver. The King was no less quick to realise the potentialities of broadcasting as an agent in promoting better understanding among the peoples—not only of the British Empire, but of the world—and, as a corollary, its influence in the propagation of peace.

Broadcasting played an important part in the principal National functions and ceremonies connected with the past twelve years of his reign. He first spoke before the microphone on April 23, 1924, at the opening of the first British Empire Exhibition at Wembley (and again in May of the following year, at the opening of the second Exhibition).

The King possessed an admirable broadcasting voice, as most listeners could testify. Among his other speeches which were broadcast was that at the opening of the National Museum of Wales, relayed to London and Daventry from Cardiff, on April 21, 1927; the opening of the New Kelvin Hall of Industries at Glasgow, on July 12, 1927; and his address at the opening of the Five-Power Naval Conference in the House of Lords in January, 1930, which stimulated world interest in his broadcasts. The chief countries of Europe, as well as the United States and many countries of the Empire, relayed the speech, 112 European and 130 extra-European stations participating. The

opening of India House came shortly after, in July, 1930, followed, in November, by the India Round Table Conference in the House of Lords. The opening of the King George Hospital, Ilford, and of the Shieldhall Dock, Glasgow, both took place in July, 1931.

July 7, 1932—the year which marked the tenth anniversary of British broadcasting—is memorable in the annals of the BBC as the date of their Majesties' visit to Broadcasting House.

King George's opening speech on June 12, 1933, at the Monetary and Economic Conference, at which sixty-six states were represented—the largest international assembly in history—was relayed across the world by 2,000 stations. The event was epoch-making as the first time that any ruler had opened a conference representative of all nations.

It is necessary to recall only such occasions as the opening of South Africa House (broadcast in the Empire transmissions only) on July 22, 1933; the New Graving Dock at Southampton in the same month; and the Mersey Tunnel on July 18, 1934, to realise the King's constant recognition of the place of broadcasting in the national life.

All these occasions made known to us the Sovereign and his unflinching devotion to the service of the nation.

But the Christmas Day broadcasts—and that

other in the evening of his Jubilee Day—were occasions apart. They revealed to us the man within the King. He dispensed with the formality which must attend public ceremonies, and spoke to us, in phrases of simple sincerity, as he himself so well expressed it, as "the Head of this great and widespread family." In 1932, from Buckingham Palace, and on the succeeding Christmas Days from the intimacy of his study at Sandringham, where he was spending Christmas with his children and grandchildren, he greeted us in our homes with good wishes for our individual and collective happiness and prosperity, never forgetting those members of "this family" whose prospects made it hard for them to be of good cheer.

By that first Christmas Day Message of 1932 British listeners in all parts of the world were profoundly impressed and strangely moved as the King's voice reached them. He said:—

"Through one of the marvels of modern science I am enabled this Christmas Day to speak to all my people throughout the Empire. I take it as a good omen that wireless should have reached its present perfection at a time when the Empire has been linked in closer union, for it offers us immense possibilities that make that union closer still.

"It may be that our future will lay upon us more than one stern test. Our past will have taught us how to meet it unshaken. For the present the work to which we are all

equally bound is to arise to a reasoned tranquillity within our borders, to regain prosperity without self-seeking, and to carry with us those whom the burden of past years has disheartened or overborne. My life's aim has been to serve as I might towards those ends. Your loyalty, your confidence in me, has been my abundant reward.

"I speak now from my home, and from my heart, to you all, to men and women so cut off by the snows and the deserts, or the seas, that only voices out of the air can reach them. To those cut off from fuller life by blindness, sickness, or infirmity, and to those who are celebrating this day with their children and their grandchildren, to all, to each, I wish a happy Christmas. God bless you!"

A record of that speech is stored at the British Museum. For the Thanksgiving Service held at St. Paul's Cathedral at King George's Silver Jubilee foreign commentators came specially to London to broadcast direct to their respective countries. The King's own broadcast that evening from Buckingham Palace was listened to throughout the British Isles, the Empire, the United States of America, and some fifteen other countries. Those in the more distant parts of the Empire shared in the jubilations of the Mother Country as never before, and were stirred in union when the King said:—

"At the close of this memorable day I must speak to my people everywhere. Yet how can I express what is in my heart? As I passed this morning through cheering multitudes to and from St. Paul's Cathedral, as I thought there of all that these twenty-five years have brought to me and to my country and my Empire, how could I fail to be most deeply moved? Words cannot express my thoughts and feelings. I can only say to you, my very dear people, that the Queen and I thank you from the depth of our hearts for all the loyalty and—may I say?—the love with which this day and always you have surrounded us. I dedicate myself anew to your service for the years that may still be given to me.

"I look back on the past with thankfulness to God. My people and I have come through great trials and difficulties together. They are not over. In the midst of this day's rejoicing I grieve to think of the numbers of my people who are still without work. We owe to them, and not least to those who are suffering from any form of disablement, all the sympathy and help that we can give. I hope that during this Jubilee Year all who can will do their utmost to find them work and bring them hope.

"Other anxieties may be in store. But I am persuaded that with God's help they may all be overcome, if we meet them with confidence, courage, and unity. So I look forward to the future with faith and hope.



H.M. the King broadcasting at the opening of the second British Empire Exhibition at Wembley in 1925

MICROPHONE

"It is to the young that the future belongs. I trust that through the Fund inaugurated by my dear son the Prince of Wales to commemorate this year many of them throughout this country may be helped in body, mind, and character to become useful citizens.

"To the children I would like to send a special message. Let me say this to each of them whom my words may reach: The King is speaking to you. I ask you to remember that in days to come you will be the citizens of a great Empire. As you grow up always keep this thought before you; and when the time comes be ready and proud to give to your country the service of your work, your mind, and your heart.

"I have been greatly touched by all the greetings which have come to me to-day from my Dominions and Colonies, from India, and from this Home Country. My heart goes out to all who may be listening to me now wherever you may be—here at home in town or village, or in some far-off corner of the Empire, or it may be on the high seas.

"Let me end my words to you with those which Queen Victoria used after her Diamond Jubilee, thirty-eight years ago. No words could more truly or simply express my own deep feeling now: 'From my heart I thank my beloved people. May God bless them.'

THE KING'S LAST BROADCAST

THE King's last Christmas message was as follows:—

"I wish you all, my dear friends, a happy Christmas. I have been deeply touched by the greetings which in the last few minutes have reached me from all parts of the Empire. Let me in response send to each of you a greeting from myself. My words will be very simple, but spoken from the heart on this family festival of Christmas.

"The year that is passing—the twenty-fifth since my accession—has been to me most memorable. It called forth a spontaneous offering of



[By courtesy of Marconi's Wireless Telegraph Co.]

A photograph showing the King's early interest in radio. The King and Queen, then Prince and Princess of Wales, at Poldhu in 1903. On the right of the picture can be seen Mr. Marconi

loyalty—and, may I say? of love—which the Queen and I can never forget.

"How could I fail to note in all the rejoicings not merely respect for the Throne, but a warm and generous remembrance of the man himself who—may God help him!—has been placed upon it?

"It is this personal link between me and my people which I value more than I can say. It binds us together in all our common joys and sorrows, as when this year you showed your happiness in the marriage of my son, and your sympathy in the death of my beloved sister.

"I feel this link now as I speak to you. For I am thinking not so much of the Empire itself as of the individual men, women, and children who live within it, whether they are dwelling here at home or in some distant outpost of the Empire.

"In Europe and many parts of the world anxieties surround us. It is good to think that our own family of peoples is at peace in itself and united in one desire to be at peace with other nations—the friend of all, the enemy of none.

"May the spirit of goodwill and mutual helpfulness grow and spread! Then it will bring not only the blessing of peace, but a solution of the economic troubles which still beset us.

"To those who are suffering or in distress, whether in this country or in any part of the Empire, I offer my deepest sympathy. But I would also give a Christmas message of hope and cheer. United by the bonds of willing service, let us prove ourselves both strong to endure and resolute to overcome.

"Once again as I close I send to you all, and not least to the children who may be listening to me, my truest Christmas wishes, and those of my dear wife, my children, and grandchildren who are with me to-day. I add a heartfelt prayer that, wherever you are, God may bless and keep you always."

HOW THE NEWS WAS HEARD ABROAD

THE news of the King's death was flashed to all parts of the world in a few moments. It was transmitted by wireless from the Admiralty to all ships of the Fleet at sea.

Immediately on completion of the BBC announcement at 12.15 a.m., American short-wave stations were broadcasting the sad news, followed by appropriate music "in honour of King George." At approximately 12.25 a.m., an address was given outlining briefly the life of our King. On the conclusion of this address the hymn "Nearer, my God, to Thee" and a portion of the Dead March in Saul were played.

At about 12.40 a.m., the Zeesen short-wave station announced in English: "King George the Fifth of Great Britain died, as we heard, at 11.55 p.m. Her Majesty the Queen of Great Britain, the Prince of Wales, the Duke of York, the Princess Royal, and the Duke and Duchess of Kent were at his death-bed." This was followed by a further announcement in German and a silence of three minutes.

After the announcement of the evening bulletin, the Austrian broadcasting stations stopped all dance-music programmes.



The Naval Conference, 1930: H.M. the King broadcasting his inaugural speech

Austrian Provincial Stations

HERE is the latest news about the Austrian provincial stations. Radio-Linz will operate, when it starts work with the Rosenhügel station (which has been transferred from Vienna), with a wavelength of 338.6 m., shared with Graz, instead of 231.8 m. Linz is almost ready to begin work with its new transmitter, and the utmost pains will be taken to prevent interference with Graz, the wavelength being preserved rigidly by both stations. The new Vorarlberg station is quite ready, and the new masts of the Innsbruck station have been put up and are ready for action. In a few weeks the whole of the Austrian chain of stations will be working systematically with increased power.

French Licences Revenue

Additional evidence that broadcasting in France is really going ahead is a statement recently made by M. Mandel, the Minister of P.T.T., that receipts from wireless taxation in 1935 had exceeded anticipations and had reached 120 million francs. They were expected to amount to between 130 millions and 150 millions in 1936, and he had consequently earmarked 40 millions of this for programmes. It seems that a Broadcasting House in Paris is to be built in time for the 1937 Exhibition, and ten million francs from the licences revenue were to be allocated to this purpose.



"... taxation in 1935 exceeded anticipations"

Transmissions from French Theatres

The actors and actresses attached to the State theatres in France receive great honour, but not much pay; and when the committee of the Comédie-Française was specially summoned on New Year's Day to discuss a scheme of M. Georges Mandel, the Minister of P.T.T., the matter was examined sympathetically and approved. The scheme provides for a daily performance by the troupe of a State theatre from a State studio, a special studio, or from the theatre itself, which would be broadcast from one or more of the State stations, so that listeners may, if they desire it, switch on to a performance each night, but no regional station will get a surfeit. Later on in the month M. Mandel, in accordance with a custom established by him, summoned French journalists and informed them that arrangements had been made to begin these transmissions on January 15 by the troupes of the Opéra and the Comédie-Française, and from February 1 by the troupes of the Opéra-Comique and the Odéon theatres. They would be given in turn from the six highly-powered State stations that were already completed out of the twelve provided for in the General Ferrié plan. A three months' contract had been made in order to give the scheme a full trial. Actors and actresses not attached to State theatres are grumbling, perhaps not unnaturally, that nothing is being done for them, and have laid their grievance before the Minister of Labour.

British and German Licences

It is entertaining to watch at intervals the race between Great Britain and Germany in the matter of listener-licence figures. For years past this rivalry has existed, and for a considerable time this country had a substantial lead; now the distance between the contestants has diminished. We passed the seven million mark last April; Germany during last month. On January 1, 1936, German listeners

Through our Loudspeaker

numbered 7,192,952—an increase of 202,311 over the total of 6,990,741 for December 1, 1935. In the total for January 1, 519,734 licences issued free to blind and needy persons are included. The total increase of German listeners for 1935 is thus just over a million, and only 40,000 fewer than the record increase for 1934. But in spite of the present large number of German listeners, which, very shortly, will be more than the absolute number of listeners in Britain, the percentage per head of the population still remains far below that of Great Britain. Roughly the percentage of listeners to the total of the population of Great Britain and Northern Ireland is 16.4 per cent. (taking the licence figures for November 30, 1935) and in Germany it is only 11.4 per cent., taking the figures for January 1 last.

Control of Canadian Broadcasting

According to a correspondent, the Canadian Radio Broadcasting Commission will probably be given a short extension of life when the statute which created it expires on March 31. Criticism by members of the Liberal Party, which is now in power, seems to make it certain that some changes will be made in the coming session of Parliament, but a delay will be necessary to discuss and consider them. There has been public criticism of the two-dollar licence fee, which is largely used for the benefit of listeners in the suppression of electrical interference, and a suggestion has been made that the fee may give way to a tax on valves. Imposition of a tax on valves, however, has its opponents. It is prophesied that its main effect would be to popularise receivers with smaller numbers of valves, and it has also been reported that the radio industry is now in a position to manufacture valves which will give ten years or more of service, at prices comparable to those of valves now in use. There is in the Canadian Parliament a small bloc which favours a return of broadcasting to private ownership and the abolition of the whole public ownership system. This group, however, has little hope of carrying its point. The public ownership principle was unanimously agreed to by the House in 1932.

Broadcast Advertisement

It will probably be surprising to most listeners outside, and to very many inside, Germany to realise that until a week or two ago broadcast advertising was a regular feature of the German programmes. The reason is that paid announcements and programmes have been confined to the hours before noon for several years now. However, from January 1 last all German broadcasting stations have ceased to broadcast paid publicity programmes. The Minister of Propaganda, Dr. Goebbels, who is responsible for broadcasting in Germany, has thus prevailed with his contention that German broadcasting is an instrument of culture and representative entertainment should not be open to paid publicity. The National-Socialist broadcasters attempted to discontinue these programmes shortly after the advent of the new régime, but were met with the opposition of the "Deutsche Reichspostreklame," a company, backed by the Minister of Posts, which derived

well over two-thirds of its income from the publicity programmes.

A Third ABC

Plans are being completed in Chicago, so a correspondent tells me, for a new chain of broadcasting stations, to be called the Affiliated Broadcasting Company. In the near future the organisation will begin to operate stations in Illinois, Indiana, Iowa, and Wisconsin. The "hook-up" is expected eventually to become nation-wide, although at present it will not compete directly with the larger networks. Ota Gygi, a musician who was formerly associated with Ed. Wynn, of Fire Chief fame, will be Programme Director. The business end, it is said, will be handled by Samuel Insull, the former public utilities magnate. The new chain will undoubtedly come to be known as the ABC, making a third similar combination of these initials in the broadcasting world: there is already one in South Africa and another in Australia.

A Change of NBC Presidents

I regret to see that Mr. Merlin H. Aylesworth has resigned his position as President of the National Broadcasting Company—a post which he has occupied with distinction since, I believe, the foundation of the company. He has taken this step in order to devote more time to the Radio-Keith-Orpheum Corporation, of which he was elected Chairman of the Board of Directors last November. Mr. Aylesworth has not completely severed his connexion with NBC, however, for he is still Vice-Chairman of the Board of Directors, and the Company will continue, happily, to have the advantage of his experience. The new President is Major Lenox Riley Lohr, who, after graduating from Cornell University with honours in mechanical and electrical engineering, entered Clare College, in our own Cambridge University. He was selected in 1929 as General Manager of the Century of Progress Exposition in Chicago.

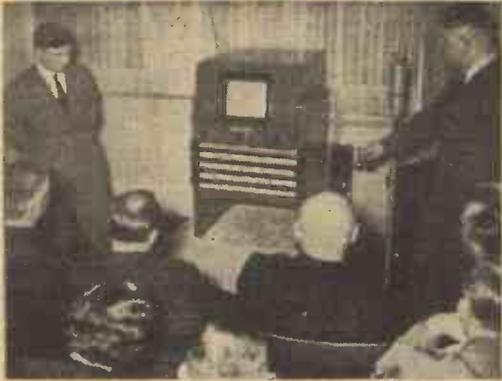
The Major's Little Way

Not long ago there appeared in WORLD-RADIO an account of Major Bowes's Amateur Hour, which I for one found very interesting. It will be



"... before he can say anything vile into the mike"

collected that Major Bowes, as an impresario of broadcasting talent, presents regular programmes from NBC stations, consisting entirely of items contributed by amateurs. According to the *New Yorker*, ten thousand applications for auditions are received each week from all parts of the States, and some 600 of the applicants receive auditions. Of these twenty are picked, with the expectation that fifteen will get "on the air," while the others are held in reserve against last-minute illness, fainting, or scares. It is pretty well known beforehand who will "get the gong" because, as Major Bowes asserts, "one out of every fifteen amateur acts is going to be terrible anyway." But sometimes a performer may be satisfactory at auditions and then, before an audience and a mike, will lose control and sound awful. Thus far no one has been able to give voice to his resentment against "getting the gong." The Major uses the simple device of having a "good strong-arm" who hustles the performer to the mike and then away from the platform. "I always signal him," said Major Bowes, "before letting the bell go, and he is always ready to grab the poor boob before he can say anything vile into the mike." ETHERVIATOR.



Viewers in the central office of the German postal service watch the transmissions

TELEVISION

Reopening of German Programme Service

(From our Berlin Correspondent)

HERR BOESE, Deputy Director of German Transmissions, reopened the experimental television programme service from Berlin on January 15. He was himself televised, and appeared on the screen of television receivers which had been set up in the council hall of the Berlin Broadcasting House, where representatives of the German Ministry of Air, the Ministry of Posts, and the Ministry of Propaganda had assembled. The general public had an opportunity of viewing Herr Boese in the ten viewing-rooms situated in various parts of Berlin, and in that at Potsdam.

In the course of a short speech Herr Boese announced that television programmes would now be broadcast daily between 8 and 9 p.m., local time, and that the performances broadcast between those hours would be repeated between 9 and 10 p.m. Light entertainment will be the main feature of the programmes, but they will also include excerpts from newly-released films and a news reel made by the broadcasters especially for televising. Programmes will be changed weekly, but a new edition of the topical news reel will be issued every day.

From further remarks made by Herr Boese, it was gathered that the televising of events at the Olympic Games next August will be effected without the use of film, intermediate or otherwise, and, therefore, that the so-called "electric eye" will be employed.

In order to give the public an opportunity of mastering the special technique required for the reception of ultra-short-wave transmissions, arrangements have been made for ordinary sound broadcasts, relayed from the Deutschlandsender, to be radiated on the sound wave of the television transmitter (7.053 m.) between 5 and 7.30 p.m., and 10 p.m. and midnight, local time.

Reproduction Quality

From the technical point of view, the quality of the image broadcast from film by the new transmitters seems to have improved, but the direct (studio) television pictures were rather disappointing. I was assured, however, that improvement was only a matter of adjustment, and that, in a few weeks' time, a new type of photo-cell will be installed which will give increased scope to the programme builders. At present only a head-and-shoulder picture is possible.

Receivers are not generally available to the public at present. It is understood that they will not be placed on the market until technical development has reached the point at which a new standard of definition can be introduced. For the current transmissions, a definition of 180 lines at 25 frames-per-second is being used.

START RIGHT for 1936



BUILDING A 'GRAM?
Are you building or improving a Radio-gramophone? There are an enormous number of Bulgin fittings and accessories which will be of use to you. As a connoisseur, you probably have more than one kind of reproducing needle, and you should take the greatest care of your records and avoid scratching them.

This new slim moulded bakelite needle-cap will give instant access for your new needles which rest secure against accidental upset in its highly polished bowl. The used needles are placed in the removable tubular container—finished in floating-bronze; used needles cannot be used accidentally, and the tube will hold the used contents of several boxes.

The bakelite moulding is very highly polished, and will fit securely to any motor-board. Two finishes:
List No. N.O.6, Italian walnut } 2/-
List No. N.O.6, Walnut } each.

WHAT IS THE WATTAGE?

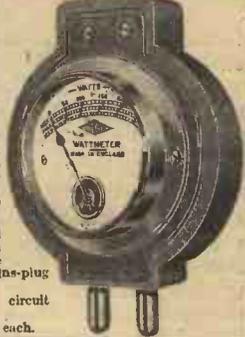
WHAT IS THE WATTAGE?

This new Wattmeter is fully insulated in a black moulded bakelite case, and gives a direct reading of the consumption in watts of all mains apparatus. It will not read receiver outputs.

Actually, it is an 0-1A. meter, but has special dial-scaling and engraving so that watts may be read directly, without any need for calculation, on A.C. or D.C. mains of 200-250 V. The maximum reading is 250 watts, and a clear minimum may be taken as 50 watts. The accuracy is +5%.

To facilitate connections, the moulded bakelite shockproof case is provided on one side with two Standard 5-A. type pins, while sockets to receive the mains-plug of the apparatus are also fitted.

The instrument may be left in circuit continuously.
List No. W.M.12 15/- each.



LIGHT ON THE PICKUP

This walnut bakelite gramophone lamp will fit conveniently in a corner of your 'gram., and can be run from the mains for negligible consumption. It uses standard 15-watt "pigmy" type lamps with standard bayonet caps. The hood can be rotated. This is just the fitting to ensure accurate placing of the needle on the record, etc. Beautifully grained bakelite only is used.
List No. D.31, 4/6 (without lamp).



IT GLOWS

PROD IT AND SEE



It shows prod it and see. It is absolutely shockproof, and will show continuity and perform all tests. Cannot be accidentally overloaded. Average current—0.5mA. or less, List No. T.P.5 9/6 each.

A Small Selection

From a Large Range



SAFE AND SOUND

Use the mains by all means, but do so in safety. You should draw your current through proper fuses and avoid all risks of fire. Of course, it isn't always possible to fit fuses to all apparatus, but this Fuse-Plug can be used anywhere.

where, and will fit all standard two-pin five-amp. type sockets. It incorporates two Bulgin fireproof fuses, rating up to 3 Amp.
List No. P.25, 2/- complete.



IN EVERY ROOM

There is absolutely no reason whatsoever why you should be "tied" to the room in which your receiver is fitted for listening purposes. A simple extension of the set's output with Bulgin Wall Jacks in your various rooms is all that is needed, and—

JUST PLUG IN

No unsightly trailing wires, no shocks, and no dangerous confusion or cross-connection with electric lighting sockets. Our Catalogue gives full details and wiring diagrams. Wall Jacks: Midget, 1/6 ea. Junior, 2/- ea. DeLux, 2/8 ea. Plugs, 1/3 or 1/6 ea.

MODERN MAGIC

Relays are almost universally used in these days. Traffic signals, ticket machines, telephones, and so forth all use these "electromagnetic switches." For, with this Radio Relay, can sit in any room in your house, or on your loggia, and turn your set on or off simply by pressing a button. And it only consumes current when you do so! For batteries, or A.C., or D.C.: it is universal. May we send details, free?



List No. R.C.10. 17/8.

TONAL QUALITY

So many sets now-a-days don't give just the "right" kind of tone. Well, don't put up with it if your set is like that—alter it. You can get rid of shrillness, whistles, prominent "S-s-s" by the simple addition of this component (to any set).



THE BULGIN CONTROL TONE can be fitted to any set by connection across the loudspeaker, and will give NORMAL tone, or will remove excessive treble, all with simply turning the knob.

Two models are made, one for Pentodes, and one for ordinary output valves.
List No. C.T.1, for general use } 4/6 each
List No. C.T.2, for pentodes }



SOME LEAD-IN QUESTIONS

Have you ever realised just how important your aerial system is? The Americans say "antenna," a much more expressive word. To mesh and butterflies antennae are important means of communication: without them, and they are lost. Your aerial is, to your set, just as important, in every way.



Above is illustrated our new AERIAL COUPLER, a simple device which fits to any aerial system and permits of two or even three sets being used, without mutual interference, on any wave length from 20 to 2,000 metres.
List No. C.41. 5/- each.



We have introduced a new range of insulators, bracket and suspension types, with moulded cowl insulators for all conditions of use. The type shown is an example.
List No. L.7. 1/9 each.

BULGIN RADIO PRODUCTS

The LARGEST RANGE IN THE WORLD

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To MESSRS. A. F. BULGIN & CO., LTD., BARKING, ESSEX.

Please send me, POST FREE, a copy of the New Complete Catalogue No. 155 "R" for which I enclose 3d. stamps.

NAME
ADDRESS

PLEASE USE BLOCK LETTERS.

SEND THIS COUPON NOW



TUNE BY EYE NOT BY EAR

Almost without exception it will show all tuning points exactly.

In these days of sharply tuned sets, sideland distortion due to inaccurate tuning, heterodyne whistles, etc., some such tuning indicator is essential.

The V.T.50 meter shown here is inexpensive, and operates on currents between 2 and 6 mA. Its resistance is 1,000 ohms approx.

With full instructions, or we will mark in the connections for you on your own circuit.
List No. V.T.50, with Walnut escutcheon plate 7/6 each.

FRENCH

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

(A) Remarks on Liaison

Let us not forget that the great majority of French words ending in a consonant letter have no liaison form.

(a) In many French words the final consonant letter is always sounded; therefore, the question of liaison does not arise here: Ex., *pour y aller* (pour le faire); *sur un arbre* (sur le toit); *avec elle* (avec lui); etc. . . .

(b) Words ending in the letter *m* never make liaison: Ex., *ce parfum est agréable*; *son nom est célèbre*; *j'ai faim et soif*.

N.B.—In words like *album*, *rhum*, *décorum*, *maximum*, etc., there is no question of liaison, since the final *m* is always sounded.

(B) Key to Exercise A, p. 71. Course

(1) The Arab's faithful and intelligent (*clever*) steed understood what (*that which*) no tongue could explain to him. (2) The brook no longer flowed between banks planted with reeds. (3) It's winter already; we shall no longer go out without overcoats. (4) When I travel on foot, I depend neither on the horses nor on the postilion. (5) I know but (*only*) one way of travelling more pleasant than riding (. . . *than going on horseback*); it's walking (. . . *going on foot*). (6) The poor woman saw (*understood*) that there was no longer anything left to (*for*) her, no hope, no support; she could no longer count on anybody.

(C) Key to Exercise B, p. 71

(1) Il n'y avait personne dans la maison. (2) Je n'ai jamais vu cette ville. (3) Nous n'avons rien trouvé (*Nous ne trouvâmes rien*) dans le bureau. (4) Il n'y a ni bancs ni chaises dans la salle. (5) Je suis sûr (*persuadé*) que vous ne courez aucun danger en passant par la forêt (. . . *en traversant la forêt*). (6) Ce matin j'avais beaucoup (. . . *une grande quantité . . . un grand nombre*) d'œufs frais; je n'en ai plus maintenant (. . . *il ne m'en reste plus à présent*). (8) Je n'ai plus de poires, je n'ai que des pommes.

(D) Key to Exercise C, p. 71

Specimen Answers

(1) Personne ne me l'a dit (*Personne ne m'a rien dit*). (2) Je n'ai rien trouvé. (3) Je n'ai ni beurre ni fromage. (4) Non, je n'en ai pas (*Non, je n'ai pas de nouvelles de lui*). (5) Non, je n'en ai jamais vu un. (6) Non, il n'y est plus, il est à New-York en ce moment.

(E) Key to Exercise B, p. 144

(1) Où est la montre que votre père vous a donnée (. . . *vous donna*) l'année dernière?

(2) La jeune demoiselle (*dame*) tomba (*est tombée*) de son cheval, mais elle ne se fit aucun mal (. . . *elle ne s'est pas fait mal*; . . . *elle ne s'est pas blessée*).

(3) Marie est entrée (*allée*) dans la maison pour montrer à sa mère les fleurs qu'elle a cueillies.

(4) Si mon père avait vu les dames (*tées dames*) il les aurait invitées à entrer.

(5) Quand nous nous levâmes (*nous nous sommes levés*) le lendemain matin toutes les collines étaient couvertes de neige.

(6) Avez-vous vu la grande église neuve qu'on a construite (*bâtie*) près de la place du marché?

(7) Louise a cassé la jambe de sa poupée, mais son frère l'a réparée.

(8) Il descendit (*Il a descendu*) l'escalier en courant et sauta (. . . *a sauté*) dans l'air: à la porte (. . . *qui était à la porte*).

(G) Use of *c'est* and *il est*

(a) When *it*, in the English *it is*, refers to a child or animal or thing of masculine gender, it must be rendered by *il*: Ex., *Il est parti* (*it (the child, cat, horse, etc.) is gone*); *il est jaune* (*it (the book, carpet, curtain, etc.) is yellow*); *il est lâbas*; *il est lourd*.

(b) *Il* is used with an indefinite meaning in such French expressions as: *Il est possible de*

FOREIGN Languages

le faire, il m'est impossible d'y aller, il est certain que . . . , il est évident que . . . , il est douteux que . . . , il est probable que . . . , il est possible que . . . , etc.

(c) *Il* is used in expressing time: *il est dix heures, il est tôt, il est tard, il est l'heure, etc.*

(d) The real difference between *ce* (*c'*) and *il* in *c'est* and *il est*, is that *ce* has a demonstrative meaning, and *il* has not. Ex., *C'est un Anglais* (*He (This) is an Englishman*), *but il est Anglais*; *c'est un livre* (*it (this) is a book*); *c'est moi*; *c'est nous*; *c'est lui*; *c'est là* (*this is the place*); *c'est bien*; *c'est possible*.

(e) It is obvious that when *être*, followed by an adjective, refers to something preceding, *ce* (*c'*) and not *il* must be used: Ex., *Il ne viendra pas, c'est certain* (*He won't come, that is certain*); *Elles ont raison, c'est évident* (*They are right, that is evident*). But, of course: *Il est certain qu'il ne viendra pas*; *il est évident qu'elles ont raison*.

E. M. STÉPHAN.

SPANISH

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

IMPERATIVE IN REFLEXIVE VERBS

THE Object (Personal) Pronouns, including the Reflexive Pronouns, follow the verb and are joined to it in the Infinitive, Gerund (Present Participle) and Imperative Affirmative. (See "Important Rule" in W.-R., Nov. 22.) I shall tell you about the Imperative used negatively, later on when we come to the Subjunctive Mood. Now study these examples:—

Infinitive: *sentarse* (to sit down).
Gerund: *sentándose* (sitting down. Any other pronoun, *me, te, le, etc.*, could be used).

Imperative (affirm):

siéntese (*él, ella, Vd*)

sentémonos (*nosotros*)

siéntense (*ellos, ellas, Vds*).

You will have noticed the exceptional form: *sentémonos*, which has dropped the *s* of the ending *-mos*, due no doubt to its being awkward to pronounce with the following *s* of the reflex. pron. *nos*. This occurs in the first person plural of every reflexive verb: *levantémonos*; *acostémonos*; *lavémonos*; and in reciprocal verbs: *entendámonos* (let us understand each other).

Al+Infinitive

The construction *Al+Infinitive* is the equivalent of the English construction: *on+Present Participle*: *on entering*: *al entrar*; *on arriving*; *al llegar*; *on hearing*; *al oír*; etc.

Key to Ex. I. (Jan. 17). Abran; Cierren; Repasen; Escriban; beban; coman; cuente; Contemos; Llegue (Notice the necessary "wall *u*", to prevent the *g* from becoming a voiceless fricative, before *e*). Escuchemos; lléveme; (When adding a pronoun to the verb, an accent is required to keep the stress from shifting to the last-but-one syllable. This is a very important detail, so will you pay special attention to it?); estudia; sube; prepare; Hablemos.

Key to Ex. I. (Primeras, Lección 29). la; la; Le; le; lo; le; les; le; le; nos; Nos; me; nos; le; lo; lo.

Key to Ex. I. (Primeras, Lección 30). a mí; a Vd; a él; a él; a nosotros; a ellos (a ellas, a Vds).

Key to Ex. II. (Lección 30). mí; mí; mí; conmigo; conmigo.

Description of Sketch (Primeras, page 58)

Este grabado (dibujo) representa una escena campestre. En el camino (*road*) hay un hombre

y un muchacho, El muchacho se llama Pedro. Está montado en un burro. El burro tiene cuatro patas. (Los animales y los muebles tienen patas, y las personas tienen piernas). El padre de Pedro anda (*walks*; *irreg. Verb*) al lado del (*at the side of the*) burro. Lleva una capa corta, pantalones cortos y medias negras, y un palo (*stick*) en la mano derecha. Van hacia (*towards*) la aldea que está en el fondo del grabado. La aldea es pequeña, y está lejos. Consiste de una iglesia, y algunas casas. Pedro le está hablando a su padre. Su padre es un hombre fuerte, no es viejo, Al lado del camino hay algunos árboles. Es un camino solitario. Afortunadamente (*fortunately*) es de día (*daytime*).

Rule for Diphthongs *ie* and *ue*

These diphthongs occur in certain words, but only in the stressed syllable (see Rad. Ch. Verbs), and they are dropped when the syllable loses the stress: *tienda* (shop) *tendero* (shopkeeper, assistant) *ciento* (100) *centenario* (centenary) *siete* (7) *setecientos* (700), *nueve* (9) *novcientos* (900). There are a few exceptions; here are some: *bueno*; *buenísimo* (very good); *mueble(s)* (furniture); *amueblar* (to furnish), etc.

En la tienda

Translate "To and Fro":

El tendero: Buenos días, señora, ¿en qué la puedo servir?

La señora: Buenos días. Quiero varias cosas. Ante todo, muéstreme una buena tetera (*teapot*), de barro, (*earthenware*; also means *mud*) no de plata. Tengo dos; de plata, y no me gustan. ¡Ah! Ésta es muy buena, y me gusta el color. ¿Cuánto cuesta?

El tendero: Cuesta dos pesetas cincuenta (céntimos, *is understood*).

La señora: No es cara. El azucarero (*sugar bowl*) y el jarrito para la leche, son también muy bonitos. Mándemelos a mi casa, con la cuenta (*bill*). También necesito algunas toallas (*towels*) sábanas (*sheets*) fundas de almohadas (*p. cases*) y cobertores (*blankets*), porque hemos comprado una casita de campo, y vamos a pasar allí los veranos. Ya tengo los muebles para la nueva casa, pero tengo que comprar la ropa de cama (*bed-clothes*).

El tendero: La ropa de cama está en otro departamento. Tiene Vd que subir al piso primero. Tome Vd el ascensor (*lift*). Pase Vd por aquí. . . .

Al llegar la señora al departamento que buscaba, le muestra el dependiente varias sábanas, toallas, y fundas de almohadas.

El tendero: Son de hilo puro, señora, de la mejor calidad.

La señora: No las quiero tan caras. Muéstreme algunas de algodón (*cotton*) fino.

Éstas son muy buenas, y son más baratas (*cheap*). (Escoge (*she chooses*) algunas a su gusto (*taste, the noun*), y luego dice:

Ahora muéstreme (also the verb *enseñar* to show: *enseñeme*) algunos cobertores de lana.

El tendero: ¡Blancos, o de color?

La señora: Blancos, y gruesos (*thick*) para el invierno.

El tendero: Estos cobertores son excelentes, y le haremos (*we shall make*) una rebaja (*reduction*) si compra Vdu na docena de cada artículo.

La señora: Bueno pues, mándeme (*send me*) todas estas cosas a mi casa.

MARÍA F. DE LAGUNA.

Esperanto Transmissions

Sunday.—Lille, 9.15 a.m., Course. Leningrad (1,224 m.) 9.20 p.m., Nijaj Nacioj Prosperas kaj Feliciĝas. Hilversum (301 m.), 10.40 p.m., Pastro Pell pri Jesuo Kristo. Monday.—Sottens, 5.30 p.m., Supera Kurso. Radio-Lyons, 6.30 p.m., Course. Tuesday.—Moravská-Ostrava, 4.25 p.m., Parolado pri Ĉeĥoslovakujo. Hilversum (301 m.), 6.20 p.m., Progresiga Kurso Anekdoti. Tallinn, 6.50 p.m., Informoj pri Estonio. Wednesday.—Vienna, 5.35 p.m., Course; Informoj pri la U.K. Thursday.—Leningrad (1,224 m.), 9.50 p.m., Nijaj Filmoj Glorigas Nian Patrulon. Minsk, 7.50 p.m., La Vivo de la Junuloj en Maŝinfabriko. Friday.—Nice-Juan-les-Pins, 6.15 p.m., Course. Saturday.—Rome, Milan k.t.p., 6.5 p.m., Turismaj Notoj pri Italujo: Hilversum (1,875 m.), 6.10 p.m., La Espero, Sekvos Konsiloj por Nederlandanoj.

LETTERS TO THE EDITOR

CRYSTAL SET RECEPTION

Its Many Advantages

SIR,—I was most interested in the article by "Yodeller" on "The Crystal Set of To-day."

Despite the fact that the majority of listeners use a valve receiver, there are many hundreds of persons for whom a crystal set has a special appeal, both on account of its low initial cost and absence of subsequent expenditure for maintenance, as well as because circumstances make the use of headphones preferable to that of a loudspeaker.

I know of several cases where a crystal set is a great boon: it serves to pass many weary hours of vigil for someone watching by a sick bed; again, an invalid I know prefers the strength of signal in headphones, which she can discard at will, rather than the noise of a loudspeaker set, which would have to be switched off and which might not be within reach. Many persons in apartments like to listen without disturbing others in the house; this applies also to those who may have a valve set but who like to listen late at night—perhaps in bed.

For such cases there will always be a demand for a crystal receiver, either instead of or in addition to a valve set.

Yours faithfully,
BRIDGET HEARD.

Chelsea, S.W.3, January 16, 1936.

The Modern Crystal Set

SIR,—Referring to "Yodeller's" article on page 4 of the issue dated January 10, concerning the crystal set of to-day, will you be kind enough to send me a copy of WORLD-RADIO containing a description of the modern crystal set?

Yours faithfully,
F. R. CHAPMAN.

Newcastle-on-Tyne, January 14, 1936.

Particulars Wanted

SIR,—I have just read the interesting article on crystal sets, in your issue of the 10th instant, and I am wondering whether you could let me know where I could obtain a modern crystal receiver.

Yours faithfully,
J. S.

Moseley, Birmingham, January 11, 1936.

[The article by "Yodeller" on "The Crystal Set of To-day" has aroused a great deal of interest among readers, and we have received a considerable number of inquiries as to where a modern crystal receiver may be purchased. One such set was described by "Ion" in WORLD-RADIO of November 22 last. The following, from whom we have received inquiries, accompanied by stamped addressed envelopes, will receive replies by post:—D. Beenstock, Manchester; J. D. Crowley, London, E.3; G. Fenna, Chester; F. Hewetson, London, W.1; T. Jackson, Lancs; N. S. Lassant, Leicester; I. Lloyd Jones, Glamorgan; D. Moore, Canvey Island; T. D. Morris, Aberdare; E. H. Price, Wrexham; H. R., South Devon; J. Seeds, Belfast; B. Shaw-Stewart, Glasgow; B. J. Sims, Crewe; R. B. Ternan, Surrey; G. Williamson, Belfast.—Ed.]

SPANISH STATIONS

SIR,—In his excellent article in WORLD-RADIO of January 10, on "Listening to Spanish," W. R. A. W. mentions that EAJ8, the Union-

Radio San Sebastian station has been inaudible this winter.

I have found San Sebastian a reliable and often a loud signal from 10.30 p.m. onwards this winter. The set used is an all-mains sg-v—pentode with outdoor aerial.

This summer, however, I happened to be staying at St. Jean de Luz, some twenty miles from San Sebastian itself, and even when using a 6-valve superhet., found it a poor signal late in the evening.

I was interested to see that W. R. A. W. has received Oviedo and does not mention Barcelona EAJ15 (Radio Asociación), both on 293.5 metres.

I have found EAJ15 a good signal several times, but have yet to receive Oviedo. Has anybody received Radio-Alcala, Alcoy, Albacete, or Santiago in this country?

Yours faithfully,
P. M. RAMBAUT.

Northampton, January 10, 1936.

A TALKING DOG

SIR,—I wonder whether any listeners tuned in to Munich at 6.45 p.m. on Jan. 13 and heard the broadcast of the "Interview with a Talking Dog," the reception of which was so clear that my dogs attacked my wireless receiver in response to "Bessie's" broadcast? That dog must have human intelligence.

Yours faithfully,
LINDA BRIGGS.

Wheatley, Nr. Oxford, Jan. 14, 1936.

DAYLIGHT RECEPTION

SIR,—I have been greatly interested in the correspondence in your columns concerning daylight reception. Enclosed is a list of stations which I logged to-day between noon and 4.15 p.m. On the long waves I received eleven stations, and on the medium waves sixty-six stations.

The set is a five-valve mains receiver, with an indoor aerial.

Yours faithfully,
JOHN HALL.

West Bridgford, Notts, January 13, 1936.

P.S.—The above has been done entirely by my son, aged 15.—ARTHUR K. G. HALL.

Another Record

SIR,—In the January 10 issue of WORLD-RADIO I noticed a reader's proud list of stations logged during daylight. May I offer you a list which, I think, with all due respects to L. F. Steel's fine collection, puts his list to shame. Long waves—ten stations; medium waves—sixty-nine stations:

My set, a 5-valve superhet all-mains, of American manufacture, covers three wavebands: 16-55, 180-550, 800-2,000 metres. It is undoubtedly the finest set I have heard. All these stations were logged between 12.30 p.m.

Letters should be addressed to the Editor, "WORLD-RADIO," Broadcasting House, London, W.1. Letters intended for publication should be as brief as possible, and should always be accompanied by the full name and address of the writer, though not necessarily for publication.

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and 3 p.m.—identically the same as the list compiled by Mr. Steel.

I may add that the short waveband gives excellent results.

Yours faithfully,
T. G. ROBERTS.

Bangor, Caerns.

Yet Another

SIR,—I read with interest your correspondent's letter to WORLD-RADIO on the subject of daylight reception, and determined to see the number of long and medium-wave stations which I could hear.

Your correspondent's list comprised twelve on long and fifty-two on medium waves, but to-day, between 12.30 and 3.30 p.m., I managed to identify no fewer than seventeen long (two of them only faintly) and seventy medium-wave stations (list enclosed).

The receiver is a five-valve all-mains superhet., with an indoor aerial.

Yours faithfully,
E. S. VIRGO.

Catford, S.E.6, January 14, 1936.

"When Ye Pray"

We are informed by the Student Christian Movement Press Ltd. that the series of broadcast talks with the above title, by Dom Bernard Clements, will be published on March 13 at 2s. 6d. net. The same publishers are issuing a cheap edition, in paper covers, of the talks entitled "God and the World through Christian Eyes." They are being published in two volumes at 1s. each.

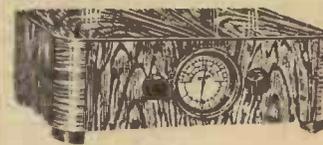
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The Alternative Postal Service

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

Time of Reception

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

BUSTER (Arnisdale) : WTIC, Hartford (Conn.), 288.3 m.
GOOB (N.6) : "Break-through" of Regional programme.
CURIOUS (Glasgow) : (a) cannot confirm, but would appear to tally with ZTJ, Johannesburg (S. Africa), 49.2 m.; address: African Broadcasting Co., P.O. Box 4,559, Johannesburg, South Africa; (b) can trace the following calls: OPL, Leopoldville (Belgian Congo), 14.97 m.; IRT, Rome Torrenova (Italy), 44.95 m.; EAU, San Lorenzo (Grand Canary), wavelength given as 160 m.; possibly you heard the third harmonic of this wavelength (approximately 53 m.), or heard the transmission through EAK, also San Lorenzo, on 43.67 m.; LCJ, Jeløy (Norway), 30.06 m.; LCI, Jeløy, 50.8 m.; (c) HJ1ABB, Barranquilla (Col.), 46.52 m.; (d) PMN, Post-Telegraafen-Telefoon-dienst, Bedrijf der Radiostations op Java, Bandoeng, Java; VP3MR, no full address available, but Georgetown, British Guiana, should suffice; JVM, Kokusai-Denwa Kaisha Ltd., No. 3, 1-Chome, Uchisaiwaicho, Kojimachiku, Tokyo, Japan; (e) HJ3ABH, Bogotà (Col.), 49.85 m. EHWOT (Thorpe Bay) : (1) VOII, City of St. John's, Newfoundland; cannot trace other call which is incorrect; (2) LA1G, Voksenlia (near Oslo, Norway), working with British amateur. S. JERMYN (Oxford); NOVICE (Huddersfield); TOOTHACHE (Clonmel); PMN, Bandoeng (Java), 29.24 m. BRAMHALL (S.E.16) : Suggest a second reading of the GSB transmission. HAM (Hoylake) : Either GSC, 31.32 m., or GSA, 49.59 m.; both stations were transmitting the same programme at the time, but cannot say which you received as you give no idea of wavelength. X.Y.Z. (Rugby) : Jeløy (Norway), relaying Oslo. G.B.G. (Culmore, Kingsland) : (1a) no published programme of medium-wave station tallies with your details; apparently either Moscow 4, no programme of which is available, or a background of Radio-Luxembourg; (2a) Tiflis (U.S.S.R.), on approximately 1,060 m.; (3) apparently Gorkii (U.S.S.R.), on 531 m., and possibly Stalino (U.S.S.R.), 386.6 m.; both 10-kW stations; (4a) the only Russian transmitter near wavelength given is Dnepropetrovsk, RW30, on 328.6 m. (10 kW). MIDNIGHT (Rife) : A background of the Midland Regional transmission; also experienced by other listeners. SWINTONIAN (Lancs) : There are many CBS 0.5-kW stations near wavelength given, but possibly WOKO, Albany (New York), on 209.8 m., which has been heard in the British Isles; another station likely to be heard on the same wavelength is WHEC, Rochester (New York); the key station is WABC, New York. DOT-KING (Kenton) : PRF5, Rio de Janeiro (Brazil), 31.58 m. (Portuguese language used). M. ROTUNNO (Glasgow); V.L.L. (Bathgate) : Amateur transmitter in your immediate neighbourhood; see note at end. BEEHIVE (Dublin) : No Graz station on long waves; if you are sure this was not Leningrad, then could be only Kharkov (U.S.S.R.), 1,293 m. WABERITH (Erith) : (244) OKF, Lucencec direction-finding station (Czechoslovakia); works on 900, 918, and 893m.; OPO, given as Brussels, but no wavelength published; Station VP3MR, Georgetown, British Guiana, would suffice. S.D.G.P. (Tunbridge Wells) : RKI, Moscow (U.S.S.R.), 19.88 m. (15,090 kc/s), 25 kW; RNE, Moscow, works on several wavelengths. I WONDER (Swansea); SHEDIAC (Liverpool)

Regret, cannot trace. W. R. WALLIS (Hull) : PLV, Bandoeng (Java), 31.86 m. (9,415 kc/s), working with KWX and KWW, Dixon (Cal.), on 39.42 m. (7,610 kc/s) and 27.68 m. (10,840 kc/s) respectively; KWB is a telegraphy transmitter at Palo Alto (Cal.). BEGINNER (Eastbourne) : W4XB, Miami (Fla.), 49.67 m.; other station heard in background apparently PRA8, Pernambuco (Brazil), which would have been working at the time. NIGHT WHISTLER (Thurton) : Most of the stations on wavelengths between the ones you give were transmitting dance music at the time; it is impossible, therefore, to say which one you received. TUBBYSPOD (East Barnet) : RKI, Moscow (U.S.S.R.), 19.88 m. (15,090 kc/s), 25 kW, and RNE, also Moscow (Radio Centre), the latter station possibly working through the RW59 channel (24.99 m.); WOP, Rocky Point (N.Y.), is on 21.58 m. (13,900 kc/s). R-D (Dorset) : (1) the only station likely to tally with details given is WFX, Rocky Point (N.Y.), 15.8 m. (18,980 kc/s), which works with Norway and Sweden, and might test with Moscow; POR is the call of an Aeradio transmitter at Recife (Brazil), so apparently you have misunderstood the letters; (2) WKN, Lawrenceville (N.J.), 15.14 m. (19,820 kc/s); 20-kW station, which works telegraphy and telephony with Great Britain; (3) the last issue of the List of Frequencies (March, 1935) cost 25 Swiss francs, but the price varies; the next edition (6th) will be published in March, 1936. SYRINGA (Leeds) : Possibly Odessa (U.S.S.R.), 10-kW station on 309.9 m.; no other station near wavelength given tallies with your details. HEBOG (Portmadoc) : (1) cannot trace call OOD, but possibly OODOD, Swinemuude-Osternothafen Lighthouse (Baltic Sea), 942 m.; (2) regret, cannot say, as not published; (3) GMU, GNC, and GLI, Caernarvon, on 14,040 m. (21.37 kc/s), 8,600 m. (34.88 kc/s), and 4,445 m. (67.49 kc/s) respectively. CAMBIO CAMBIO (Wallington) : (1a) RIM, Tashkent (U.S.S.R.), 15,252 kc/s (20 kW); (1b) RRRC, Archangel (U.S.S.R.), 14,700 kc/s, or RRRF, Moscow, 14,710 kc/s; (1c) not RRV, which works telegraphy only, but RRI (phonetic "ar-kay-ee"), Moscow, 7,540 kc/s; (2a) cannot trace HJU, but possibly HJO, El Cerrito (Cal.), on 33.05 m. (9,075.2 kc/s), 15 kW, working with U.S.A.; (2b) HJN, Bogotà (Col.) is advertised on 49.42 m. (6,070 kc/s), but has been heard on about 50.17 m. (5,980 kc/s); (3a) regret, cannot trace; (3b) IAC, Coltona (Italy), 8,513 kc/s (54 kW) working with ships, or IBG, Rome S. Paolo (Italy), 8,570 kc/s (15 kW), working with Italian Colonies; (4a) regret, cannot trace; (4b) EAN, Madrid Aranjuez (Spain), 19,880 kc/s, 19,660 kc/s, and 19,500 kc/s; EDT, San Lorenzo, Grand Canary, 6,895 kc/s; BDZ, Vallecas Radio (Madrid, Spain), 9,480 kc/s; FTF, St. Assise (France), 7,770 kc/s; FXB, Beyrouth Khaledé (French Levant), 13,270 kc/s; FYR, Lyons (France), 11,650 kc/s; DFK and DFS, believe Nauen (Germany), but no details published; GOT, Ongar, 7,600 kc/s; HJP, believe El Cerrito (Col.), but no details published; IRN, Castellosos (Egean Islands), given as 250 kc/s and 4,525 kc/s only; JNH, Nagoya (Japan), 7,820 kc/s; JMN, Nagoya (Japan), 5,980 kc/s; KCS, Kootwijk (Holland), 19,125 kc/s; PMD, Bandoeng (Java), 8,005 kc/s; PZB, Paramaribo (Surinam), 9,610 kc/s; RIN, Tashkent (U.S.S.R.), 7,626 kc/s; WCB, Hicksville (N.Y.), 15,580 kc/s; WDC, Rocky Point (N.Y.), 14,785 kc/s; WDT, Sayville (N.Y.), 15,385 kc/s. WOTWURTHEY (Catford) : (1) Budapest 2 (Hungary); own programme; (2) apparently an harmonic, but cannot trace. GOTTT (Glasgow) : Wavelength apparently wrong; if between VP3MR and ZCK, call XEBT, then Mexico City on 50 m. (6,000 kc/s). SON OF ADAM (Glasgow) : Surely this is Barcarena (Lisbon). RADIOYENTE (W.9) : Scheveningen-Haven (Holland) commercial transmissions on 1,205 m. (249 kc/s). X-RADIAN (Wrexham); PIECE OF MUD (Northampton) : Air Ministry transmitter at Borough Hill (Northants), 1,86 m. NESCIO (Lamberhurst) (13a) yes, possibly Tashkent (U.S.S.R.), 1,170 m.; (13b) wavelength is not clear; if below Motala, Kharkov (U.S.S.R.), 1,293 m.; if above this station and below Moscow, probably Minsk (U.S.S.R.), 1,442 m. BLACK AND WHITE CAT (N.W.2) : (1) regret, details too vague to permit identification; there are a number of small Belgian stations on and around that wavelength; (2) probably a test by Radio-Lyons, 215.4 m. PILOTRAD (Alexandria) : PKYDB, Sourabaya Netherlands (East Indies), said to be testing on 31.28 m. (9,590 kc/s). BANTAM COCK (W.C.2) : Can trace the following calls: British ships: GFJQ, "Tevan"; GNWQ, "Beltinge"; GMZC, "Gemenco"; GNFK, "Dunkwa"; GNF, "Umberleigh"; German ship: DOAD, "Emmy Friederich"; BLUES (Birmingham) : Surely this was Lahti (Finland), giving gramophone records at the time (a lady announcer). INTERESTED (Shrewsbury) : (3) LV2, Cordoba (Argentine Republic), on 340.9 m., is a 7-kW transmitter; can trace no other station which might tally with details given. WHAT THE...? (Crail) : LRI, Radio El Mundo (Buenos Aires), 280.4 m. (50 kW); W. H. LANE (New Malden) : Would tally with JVN, Tokyo, 28.01 m. (10,710 kc/s), which has been heard testing between 5 and 8 p.m. G.M.T.

Developments in Australia

LISTENERS' licences continue to increase, the total in force now exceeding three-quarters of a million. The total, 754,250, represents 47.57 per cent. of the total dwellings. The increase for the ten months from January 1, 1935, to October 31, 1935, was 72,616, or ten per cent.

A further stage in the development of the National broadcasting system was completed on October 31, 1935, when 3GI, the Gippsland Regional, Victoria, began regular service. The station, which uses a power of 7 kW in the aerial, and operates on 830 kilocycles (361 metres), is situated at Longford, about five miles South of Sale in the south-east of Victoria. The transmitter is connected with Stations 3AR and 3LO, Melbourne, by means of an open-wire line 140 miles in length. The line has been equalised to transmit the frequency range from 35 cycles to 10,000 cycles. Ten additional commercial stations have been put into operation since the revised frequency plan of the Commonwealth was introduced on September 1 last.

The cable steamer *Faraday* is now about to complete the laying of a submarine telephone cable connecting the island State of Tasmania with the Mainland of Australia, thus providing for the former to be linked with the world telephone system, and for the transmission of programmes for broadcasting.

Milhaud at a Special Concert

At the second of the three special concerts arranged this winter by the BBC, the French composer Milhaud is to conduct a performance of his recent opera, *Christopher Columbus*, which has not yet been heard in England. The most important work of its composer, it makes a striking innovation in having the principal personage of the story presented by two singers, one of whom shows us the outward man as he appeared to his fellows, while the other reveals his spiritual self, striving heroically against the doubts and fears of the Spanish Court and, afterwards, of his own ship's company. The BBC's policy of keeping its listeners in touch with contemporary movements and trends of music has not often found vent in so interesting a way, and the occasion is bound to arouse widespread interest. The date is Wednesday, February 5, and the concert begins at 8 p.m.

STATION IDENTIFICATION PANEL

MARSEILLES-PROVENCE

(PTT)

(FRANCE)

FREQUENCY : 749 kc/s ; WAVELENGTH : 400.5 m. ; POWER (COPENHAGEN) : 60 kW.

DISTANCE AND BEARING FROM LONDON : 624 miles ; 154°.

OPENING SIGNAL : A few bars of an old Provençal folk-song from Bizet's *L'Arlésienne* are played :



CALL : "Allô ! Allô ! Ici la Station de Radio-diffusion de Marseille-Provence !"

Man announcer.

Closes down with the Provençal folk-song from *L'Arlésienne*, followed by the usual French formula.

Independent programmes ; also relays Paris (PTT) and other PTT stations.

AMATEUR TRANSMITTERS

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

WAVELENGTH DEVIATIONS

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

	kc/s	m.
Moscow 1 (U.S.S.R.)	172	1,744
Tiflis (U.S.S.R.)	-283	1,060
Finmark (Norway)	345	869.4
Tartu (Estonia)	513	584.6
Hamar (Norway)	515	582.5
Valencia (Spain)	852.2	352
Cork (Irish Free State)	1,237	242.3
Binche (Belgium)	1,487	201.7

IDENTIFICATION COUPON (No. 363)

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

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

Planning Your Wireless Den

By J. GODCHAUX ABRAHAMS

For many months I was content to leave my wireless receiver in the main living-room—much to the dissatisfaction of the power that rules the household. Admittedly, the method possesses, for those who retain this principle, many disadvantages, not the least of which are (a) that if the receiver is used for reception of a local programme which personally you do not wish to hear, you are compelled to turn your attention to other matters, and (b) if you desire to search for stations, it affords little entertainment to the other occupants of the room. Now this is a problem which at some time has confronted other readers interested in radio, and for it, after thinking out various schemes, I evolved what I consider to be a practical solution.

In exchange for a promise that I would no longer litter up the sitting-room with a mesh of wires and odd components, I was given the assurance that the odd room I had selected as a wireless den would be reserved solely for that purpose. I therefore studied the possibilities of wiring the house for the reception of wireless programmes, in all rooms, where desired, and drew up a plan for the installation of a wireless den which would fulfil my requirements.

The Scheme and Equipment

The scheme adopted comprised the following advantages: (1) I could listen to a programme in my own den; test a new circuit, or amuse myself with a short-wave receiver whilst, simultaneously, the family, in another part of the house, could enjoy the same or alternative wireless entertainment; (2) the kitchen staff could also tap the entertainment if and when they so wished; (3) loudspeakers could be used in other living or bedrooms, when required; (4) all distribution and control was to be effected from my den.

At the start, for purposes of comparison or to permit the simultaneous use of more than one receiver, I decided to equip my "central station" with three separate aeriels and earths; the aeriels consisted of one (horizontal) roughly 60 ft. long, including lead-in, and about 40 ft. high; a 20 ft. vertical aerial, and a well-insulated rubber-covered indoor aerial (15 ft. long), all brought to an ebonite panel in close proximity to a bench on which all receivers were to be placed. The three earths consisted of (1) a main water-pipe, (2) an outside cable connected to a 4 ft. by 2 ft. copper plate buried at a depth of 6 ft., and (3) a counterpoise, slung parallel to and under the outside horizontal aerial. The three leads were taken to a similar ebonite panel on the opposite side of the bench. Aerial and earth terminals were numbered 1, 2, and 3, respectively, and were interchangeable.

The bench, which had been placed in front of the window, through which opening all aerial and earth leads were brought in, had in its lower half two shelves, on which to place accumulators, high-tension batteries, a high-tension eliminator unit, and a mains-driven low-frequency amplifier. The various leads were brought to an ebonite strip fitted with labelled terminals to which the sets could be connected. By this means, except for the receivers, the bench was kept clear. On the adjoining side of the room, a work-bench was fitted, with a rack

above it, containing an outfit of household tools with, in addition, all implements needed for the construction or repair of receivers.

Wiring Arrangements

As current was needed for lighting, heating a soldering iron, feeding a moving-coil loudspeaker, mains receivers, and H.T. eliminator, a cable was affixed to all walls around the room, with sockets at intervals. In this way current could be obtained for all purposes when and where required. To protect the house installation in case of accidental short-circuits in the wireless den, sub-fuses were placed in each lead of the electricity supply to the room.

Flat cab-tyre twin cable was run underneath the carpets from the wireless den to all rooms in which a loudspeaker was required. An ordinary bakelite electric-light socket was fitted in every room, the cable being carried on to the most distant room, all points being wired in parallel. The kitchen was given its own cable in the same way. It is essential, however, when two or more loudspeakers are used simultaneously, to see that they are matched. As the work progressed each cable, at its end in the wireless room, was carefully labelled.

Distribution of Programmes

To satisfy all requirements—namely, to permit entertainment of the family and staff, and still allow full freedom in the wireless den, provision was made for three receivers—one for general programme purposes; another, which might be any kind of "hook-up" in course of construction or alteration, or alternatively a set to be tested; and, lastly, a completed and reliable instrument for short-wave reception.

The final stage of operations was the construction of a distributing panel, which would enable programmes to be passed to any room without interference being caused to experi-

mental work or short-wave listening in the "den." The sketch reproduced herewith shows the distributor evolved, and which, now in use for many months, has proved efficient for all the purposes needed.

It is a simple affair to make, as but few tools are required. Take a suitable five-ply board of sufficient size to house the sockets and switches required; the dimensions are not important, but it is a wise precaution to allow plenty of space between leads if interaction or "pick-up" is to be avoided. The bakelite electric light sockets and switches are obtainable at a low price from most stores.

When you have screwed on the plugs and switches, carefully label each one so as to avoid mistakes in wiring. If you look at the sketch you will see that provision has been made for (1) the house receiver, (2) any kind of hook-up, and (3) the short-wave set. All sockets, with the exception of No. 6 marked "Input Amplifier," are for output only. All wiring is carried out behind the panel, and is shown by dotted lines. There are three movable plugs, H, M, and P, of which the connecting flex should be long enough to allow insertion into the output sockets of receivers Nos. 1, 2, and short-wave set, or short-wave amplifier. Plug H is the connexion between the panel and the house circuit; plug M, brings the monitor loudspeaker into operation, and plug P is used when it is desired to listen on headphones.

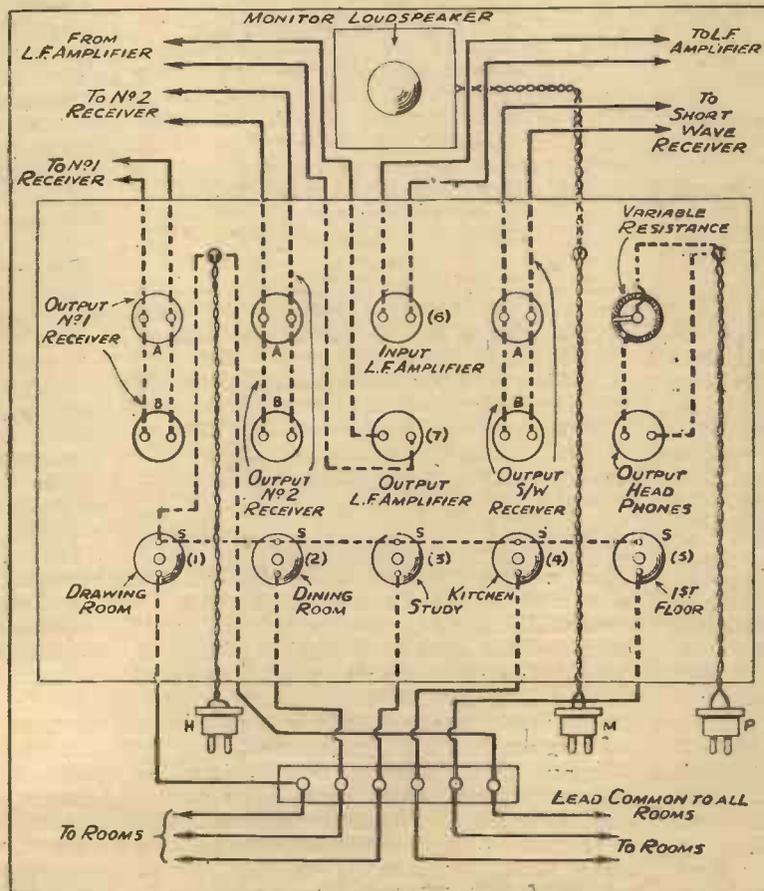
To facilitate tests of loudspeakers in the wireless room, or to permit the use of the monitor loudspeaker on the house-circuit programme, the sockets have been duplicated. If preferred, two-way or three-way plug adaptors may be used. On the extreme right of the board I included an output headphone socket and, to allow 'phones to be used with comfort, a variable resistance was placed in one lead, as shown by the dotted lines on sketch. With mains-driven receivers an output transformer to isolate the 'phones is, of course, necessary. The resistance, which can be varied at will, will keep the volume of sound down to comfortable proportions, or, if signals are very weak, plug P can be connected direct to the short-wave receiver output socket, or, if necessary, to L.F. amplifier output. The leads of headphones are also fitted with the standard plugs, and in consequence, two or more headphones can be used by means of a three-way adaptor plugged into the desired output socket.

Short-Wave Amplifier

In the middle of the panel are two sockets marked respectively "input" and "output" L.F. amplifier. These were incorporated as it was often found that signals picked up on the short-wave receiver could stand magnification. A mains-fed, low-frequency amplifier, as a permanent unit, can be utilised for various purposes, obviating the need for adding an amplifying circuit to any hook-up which it is desired to build. In addition, it is useful for the electrical reproduction of gramophone records, and may also be used with a microphone.

Signals received on the short-wave set, if found too weak, may be fed from output socket short-wave receiver, by means of connecting plugs, to input (6). If plug H is then inserted in socket (7) the magnified signals can be passed on through the individual switches to any room where a loudspeaker extension has been installed; or the monitor loudspeaker can be brought into action.

(Continued in col. 3, p. 12)



Arrangement of distributor panel and associated wiring

Signal Voltage and Receiver Design

By "DECIBEL"

THROUGHOUT the various stages of a receiver, the signals which have to be handled by the valves differ in both nature and magnitude. High-frequency signals of small amplitude are applied to the first valve which is usually of the high-frequency amplifying type. The amplified H.F. signals may then be further amplified by similar stages before being applied to the detector valve. In superheterodyne receivers the H.F. signals will be mixed with locally-generated oscillations in the first detector valve to produce the intermediate-frequency signals which are then dealt with in a similar manner to the H.F. signals in a straight receiver. After the H.F. signals in a straight receiver, or the I.F. signals in a superheterodyne receiver, have been converted to low-frequency signals in the detector stage they are amplified by low-frequency amplifying stages before being fed to the loudspeaker.

If distortion is to be avoided, therefore, each stage must be correctly designed to perform its proper function. For example, it would be no use employing in the output stage of the receiver a valve which has been designed to handle only the very small H.F. signals applied to the first stage of a receiver.

In the early days of broadcasting what were called "general purpose" valves were employed. The same type of valve was used in all the stages of a receiver with the result that considerable distortion occurred. Gradually special types of valves were developed for different purposes with the result that to-day we have a large number of valves from which to choose one for a particular job.

When a receiver is being designed, therefore, the designer has to choose the valves around which to design the set, or to settle the design and then choose the valves to suit the design. In practice he does both. His design is governed by the types of valves available, and he chooses a particular valve which fits in best with his requirements.

Preliminary Data

From the point of view of signal voltage, the designer of a receiver for a particular purpose has usually to start from a knowledge of the H.F. signal voltage to be applied to the receiver and of the L.F. signal voltage or L.F. power to be supplied to the loudspeaker. He has then to decide how he is going to obtain the latter from the former; how he is to proportion the necessary amplification between the H.F. and L.F. stages, and so on.

If the receiver is intended to receive only fairly strong signals, only moderate amplification will be required, and the designer will probably decide straight away that one H.F. stage will be adequate to provide the detector valve with sufficiently strong signals for satisfactory detection. A knowledge of the amount of power to be fed to the loudspeaker will then enable him to decide on the amount of L.F. amplification which is required to supply adequate L.F. signal strength to an output valve capable of delivering this power.

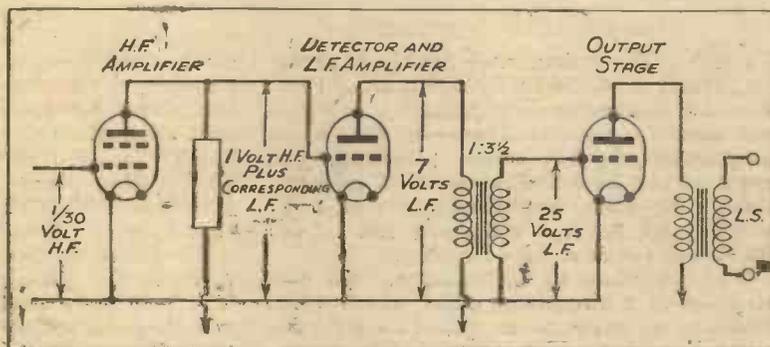
We see, therefore, that the designer soon arrives at the number of stages required in his

receiver if it is of a fairly simple type. Naturally, he is confronted with a larger number of possibilities if a sensitive receiver having a high degree of selectivity and a large power output is required.

A Practical Example

For the purpose of illustration let us assume that we have decided that a simple straight three-valve receiver will suit our purpose. A single H.F. stage of average amplification will give us something like, say, the one volt at the grid of the detector valve required to make the average detector valve function satisfactorily. If the H.F. stage has a working amplification of, say, 30 this will mean that there will be one-thirtieth of a volt of H.F. signal voltage applied to the grid of the H.F. valve under normal conditions.

We have now to decide how to convert the 1 volt of H.F. signal voltage at the grid of the detector valve to, say, 1 watt of L.F. power into the loudspeaker. We examine the details of available valves which will deliver 1 watt of L.F. power to the loudspeaker, and we find that there are valves which will do this if they are supplied with a signal voltage of, say, 25 volts.



Simplified circuit diagram to illustrate signal voltage at various stages

So our detector stage must be capable of giving us 25 volts of L.F. signal when a high-frequency signal voltage of 1 volt is fed to its grid. It is obvious that we must employ an amplifying detector and not simply a diode. There is no difficulty about this, however. A gridleak detector should be quite satisfactory and we have to choose one which will handle 1 volt of H.F. signal and deliver 25 volts of L.F. signal without distortion.

The 1 volt of H.F. signal will not be converted to as much as 1 volt of L.F. signal in the rectifying grid circuit of the valve, because the amount of L.F. signal will depend on the degree of modulation at the transmitter as well as on the rectifying efficiency of the detector. Even when no programme is being transmitted the detector valve will still have to handle the 1 volt of H.F. signal produced by the unmodulated carrier wave.

The Detector Stage

When a programme is being received, the detector valve will have to handle not only the 1 volt of H.F. signal but also the variations in the strength of this signal on modulation which give us the L.F. signals. So we must be careful to choose a detector valve which will not be overloaded when it acts as a detector in its grid circuit and as an amplifier in its anode circuit.

Suppose we say that the working gain of the detector stage we choose is 10—i.e., 1 volt of rectified signal at the grid of the valve would give us 10 volts across the anode impedance. This does not mean, however, that we should get 10 volts of L.F. signal voltage from 1 volt of H.F.

signal. Perhaps we might get 6 or 7 volts on fairly heavy passages of music. This is not sufficient to give us the 25 volts we require for the grid of the output stage, but if we interpose a transformer with a step-up ratio of about $3\frac{1}{2}$ to 1 we should be about right.

We have now settled the main requirements, and the details of the circuits have to be arranged so that the valves chosen can give the assumed performance. This will involve the choice of suitable anode impedances and the matching of the loudspeaker to the output valve. We have considered only approximate values of signal voltage in various parts of the receiver, but these values are sufficient to indicate why care has to be exercised in the choice of valves and in ensuring that they are operated under correct conditions. The application of signal voltages greater than those which the valves can handle will be indicated by audible distortion and the flicking of the needles of meters connected in the anode circuits.

PLANNING YOUR WIRELESS DEN

(Continued from previous page)

Space for a pick-up and electrically-operated turntable should be provided on a shelf immediately below the receivers. On the bench itself, it is not a difficult matter to add a microphone and two-way switch to permit announcements to other rooms, of either broadcast transmissions or records. So far, I have always found it necessary to switch off the loudspeaker in the "den" when the microphone is used. A screened cable is advisable for connexions to the amplifier, the metallic covering being earthed.

Panel Connexions

A short explanation may be necessary regarding the wiring of the panel. One terminal of the end switch (S) is connected to one lead of the plug H, and the corresponding terminals of the other switches are joined by a common lead. The other terminal of each switch is soldered to one lead of its respective room cable. The remaining lead of the flex attached to the plug H is brought down to a common terminal to which is also soldered the return lead of all room cables. To permit alterations, or to effect repairs, without disturbing the distributing panel when it had been screwed to the wall, a terminal block (see sketch) was installed below the board. A fault in any circuit can be traced from that point and an examination of the back of the panel is thus obviated.

As far as possible, keep all leads well spaced, using good insulated or screened cable; in the latter case the screening should be earthed. Leads from the receivers to their respective output sockets on the panel were carried out, as far as possible, with cab-tyre cable, and they were run at the greatest possible distance from those carrying high-tension current. All sockets carrying high voltage were marked with a red band to prevent any mistake.

Where mains sockets are installed—namely, to feed a receiver, moving-coil loudspeaker, soldering iron, and so on—choose those of the combined switch-socket variety, as they afford provision, by means of a connector, for the insertion of a small 5-watt bulb. It is so easy to switch off a set and omit to do the same to the loudspeaker feed; the signal light prevents the current being left on *all night*!

On many evenings I have tuned in a short-wave station on headphones, passed the signals through the L.F. amplifier, then after a microphone announcement, have passed the programme *via* plug H, to loudspeakers in other rooms. At the same time, the local programme, reduced to a whisper, has been held on the monitor loudspeaker in the den, for use when again desired.

THE SHORT WAVES

South American Review

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

RECEPTION of the Latin-American transmitters has continued fairly good, although noise level has been surprisingly high. The Colombian station operating on 50.4 m. and announcing as "Radio Nacional," has been identified as HJN, situated in Bogota and utilising a new wavelength. The station announcement is occasionally given in English: "This is HJN, the National Broadcasting Station in Bogota."

The Dominican HI1J (51.15 m.) was a good R5 at 00.18 (G.M.T.) on December 1, whilst CO9JQ (34.7 m.) was heard quite well half an hour later, but poor quality marred the transmission. Incidentally, a neat QSL card from the owner of HI1J—Fausto M. Donastorg, P.O. Box 204, San Pedro de Macoris—gives the power as 42 watts and the schedule daily 17.10 to 18.40 and 23.10 to 01.40 (G.M.T.). At 01.16 HJN was R7 and almost free from fading, and in the evening of the same day at 23.00, XECR (40.65 m.) was also R7 and fully intelligible despite the powerful adjacent telegraphy signals. Many stations were audible long before midnight, the Brazilian PRA8 (49.67 m.) being heard on several occasions as early as 19.30, whilst HIZ, YV2RC, COCH, YV3RC, YV5RMO, YV8RB, YV1ORSC, YV6RV, HIL, COCD, HJ3ABF, HJ1ABB, and several more, have all varied between R4 and R7, a few hours later.

TIPG (46.87 m.) could be heard at R7 on December 7, just before midnight, and soon after TIGPH—TIX (51.5 m.), also in San Jose, was just audible. A QSL card from the former, known as "La Voz de Victor," gives the power as 1,000 watts, but no schedule is given. The seldom-heard HJ4ABD (52.15 m.) of Medellin, is now broadcasting almost daily, although signals are generally weak. No identification signal has been heard, but logging is simplified by the use of the slogan "La Voz de Aburra," or something similar. It is found to be the only station operating daily between the Venezuelans YV2RC and YV1ORSC.

The four Dominicans, HI4D, HI1J, HIL, and HIZ, were all fair signals at midnight on December 10, whilst a fifth—believed to be HI5N, or possibly HI1A, on a frequency of 6,145 kc/s approx.—was endeavouring to emerge from bad QRM. It was noticed that HIZ (47.5 m.) used two chimes and announced in English as H-I-Zee.

A new transmitter—either YNBA or YNVA—situated in Managua, Nicaragua, and originally thought to be HC2CW, was logged at 00.50 on December 11, using an identification signal consisting of three chimes, and employing a lady announcer.

On December 14-15, HIZ, YV6RV, HJ1ABB, COCD, YV8RB, YV2RC, YV1ORSC, HJ4ABE, YV5RMO, YV3RC, HI5N (?), HJ4ABD, TIEP, HI1J, TIX, PRA8, and YVQ were all audible, many on the loudspeaker. At 01.47 a station announcing as "HJ4ABC, Ecos del Combeima," and situated in Ibaque, was received on 46.45 m. at good strength. The existence of this transmitter is rather a mystery, for another HJ4ABC calling itself "La Voz de Pereira" of Pereira, Caldas, was logged on the same wavelength a few months previously, and in answer to a request for verification sent a

QSL card bearing the slogan "La Voz de Pereira." To confuse matters further two HJ4ABC's are heard operating simultaneously with different programmes, but it should be noted that "La Voz de Pereira" is now on 49.34 m., as mentioned in the last "Review." Readers may send their reports to Apartado 39 for the Ibaque station, and to Cesar y Mario Arango M., Pereira, Caldas-Colombia, for the 49 m. station.

Reception was recorded on December 18 of a Colombian transmitter operating on 48.9 m. and announcing as "Radioemisora Philco" of Medellin. The call-sign, given later, appeared to be HJ4ABL, and the identification signal consisted of four chimes; but it is understood that the situation of the latter is Manizales and not Medellin. The programme concluded at 00.30 at fair strength.

The Mexican XECR (40.6 m.) was heard testing at 23.40 on Sunday, December 22, prior to its weekly broadcast, which now takes place from midnight to 01.00 Monday mornings. Strength was less than usual, being only R6.



The Public Buildings, Georgetown, British Guiana

Their QSL card received recently gives the power as 20,000 watts, and the address as Estacion XECR, Departamento de la Publicidad de la Secretaria de Relaciones Exteriores, Mexico D.F. Conditions were otherwise poor during the week-end, for not a single Venezuelan could be heard. Incidentally, this may have been partly due to the death of the Venezuelan dictator, General Gomez, and the resultant riots in Caracas and elsewhere.

Reception proved slightly better on December 24, when, at 23.00, HIZ was R4, COCD R7 and (later) YV6RV was R4, YV2RC R5, and TIRCC R3, all on the loudspeaker. In the early hours of Christmas Day HRN (51.1 m.) was R6, but subject to bad QRM from YV8RB. The Honduras transmitter inaugurated the Christmas spirit in the writer's home by including in its varied repertoire an organ recording of "O Come All Ye Faithful"! A verification from YV8RB bears the following information: wavelength 51.02 m., 5,880 kc/s, schedule—17.00 to 18.00 and 23.00 to 04.00 (G.M.T.), and the address—"Radiodifusora La Voz de Lara," YV8RB, Barquisimeto, Lara, Venezuela, S.A.

HI1J and YV1ORSC were just audible at 01.00. Conditions remained fairly good until Saturday evening when they deteriorated considerably. The Cuban COCD proved to be the outstanding signal of the evening, being a very steady R7LS at 23.00 with 100 per cent. intelligibility. "La Voz del Aire" now uses a

three-note chime between every item, with announcements made by both a man and a woman.

A surprise signal was that of VP3MR (42.4 m.), which was broadcasting military music at 21.35, the strength being excellent with little fading and fairly free from interference. HIZ, HJ1ABB, COCD, YV5RMO, and YV2RC were all fair signals two hours later, whilst YVQ "Emisora Nacional" (44.96 m.) was its usual R8-9 at 01.04 (Sunday), but the quality was definitely second rate. XECR was observed at 23.40, an R5 signal, but could not be found a few minutes later.

VP3MR was again a good signal at 21.42 on December 30, with more military music from the Promenade Gardens, Georgetown—evidently a daily feature of their programmes. QRM, however, was bad at times and succeeded in blotting out the transmission on several occasions. PRF5 was heard at R8 a few minutes after, but faded slowly to a low level. By 23.00 conditions had brightened considerably and gave promise of excellent results within the next week or so. HIZ and COCD, both "star" performers, were good at 23.50, the Cuban peaking at R8 with very slight fading. YV3RC, HJ1ABB, YV6RV, YV2RC, YV5RMO, YV8RB, HI1J, HJ4ABE, HJ2ABD (R2 only), YV1ORSC, and HJ1ABE, all appeared in the log before 00.30 (Tuesday), whilst twenty minutes later HJ4ABC, "Ecos del Combeima" (46.45 m.) peaked at R5. This station may be identified by its use of four or five chimes, followed by the call in Spanish and repeated slowly and deliberately in English.

Reception conditions remained favourable during the evening of December 31, although little of outstanding interest was logged, with the exception of Georgetown (42.4 m.), which was well received at 22.20. The passing of the Old Year and the coming of the New was celebrated by listening to some fascinating Cuban music from COCD—still in 1935! F. A. B.

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Short-Wave News Reel

Congress Speaks

LISTENING to W2XAF at 22.00 on January 17, I heard the programme "Congress Speaks," introduced by the United States Army Band playing at Washington, after which listeners were taken over to the Ways-and-Means Committee Room, in the Capitol, to hear addresses by two members of Congress.

First came the Hon. Theodore Christiansen, member for Minnesota, asking the Government "Who'll pay the bill?" He accused Congress of appropriating a billion dollars to finance the Government in "this present orgy of spending, as though money can be made to fall like manna from Heaven." He continued: "The rich will not spend their money in an effort to expand business if they are made to support these new financial adventures contemplated by the Government." His answer to the question "Who'll pay the bill?" was that "We shall all pay, unfortunately, the poor more than the rich."

Then I heard the Democrat speaker, Arthur D. Healy, member for Massachusetts, whose subject was "Neutrality and its Legislation." "Should neutrality be extended to loans and credits, as well as embargoes on materials and commodities?" It was the duty of Congress so to frame legislation that the peace and neutrality of the United States would be maintained, rather than meddle in the affairs of other nations: "under the cloak of embargoes." He finished by crying "Keep out of war, and avoid all entanglements that lead to war. The safest thing is to confine embargoes to arms and ammunition alone!" This, he said, was the universal demand of the American people.

The Army Band brought the programme to a close by playing "Our National Honour." How wonderful short-wave broadcasting is for hearing other nations' points of view.

Liverpool.

L. D.

Conquest of Diphtheria

At 22.00 G.M.T. on January 14, I heard—*via* W2XAF Schenectady—another of the presentations by the American Medical Association in the series entitled "Your Health" and on this occasion the subject was "The Conquest of Diphtheria."

The programme consisted of a lecture on the prompt use of anti-toxin in dealing with cases of diphtheria and also on the great work, which is going on in the U.S.A., in connexion with the immunisation of children against this disease. At intervals during the programme short sketches were given to illustrate some of the main points of the lecture. A scene was enacted representing an interview between a nurse and a householder, whom she was visiting to ascertain if the children had been immunised. Another scene depicted a lady and her little girl visiting a doctor, and was intended to impress upon listeners what a simple matter it was to have children immunised; while a third scene was laid in a house in a remote part of Alaska, depicting the parents of a child affected with diphtheria and the doctor waiting for a supply of the precious anti-toxin to arrive—emphasising the necessity for doctors to keep a good supply of anti-toxin, especially in isolated districts.

The whole programme was presented in a very novel manner and would probably hold the interest of listeners to a greater extent than a straightforward lecture. At the conclusion, it was stated that "Scarlet Fever" would be the subject of the next presentation in this series.

Southampton.

R. T. C.

Short-Wave Notes

A READER informs us that a card received from VP3MR, Georgetown, British Guiana, gives amended transmission times as follows: Weekdays 21.45-01.45, Sundays 12.45-15.15 (G.M.T.).

A station in Vancouver, B.C., is broadcasting on 62.56 m. approx. The call-sign is VE9BK and the station is owned by Radio Sales Services, Limited, 780, Beatty Street, Vancouver, B.C., Canada.

From the beginning of this year acknowledgement of short-wave reception reports made to Westinghouse Station W8XK, Pittsburgh, and W1XK, Boston, will be discontinued.

"The March of Time"

In WORLD-RADIO dated December 13 I read the article on this subject, but it was not until January 15 that I had an opportunity of listening to an instalment of these interesting broadcasts. Tuning in at 03.20, I found a good signal being provided by Philadelphia, W3XAU (49.5 m.), and at 03.30 the announcement, "Time Marches on..." began the programme. Then followed the presentation, in dramatic form, of the chief items of the latest news.

One of 30,000 workers, who are now engaged on building a huge tunnel, was brought to the microphone, and gave his views on the reason why so many of these workers had become ill. He attributed this to the peculiar nature of the soil. Then a speaker was heard giving his opinion of Communism in the West, followed by the announcement from Moscow of future increased expenditure on armaments in the U.S.S.R. A group of farm labourers was next heard, discussing the Supreme Court's latest decision, making it necessary for money collected under the Farm Tax to be repaid. Finally, mention was made of Bills at present before the House. Dramatic effects were introduced by the orchestra between each item.

According to the announcement, these broadcasts now take place from CBS transmitters daily, from Monday to Friday, at 03.30 (G.M.T.).

Bristol.

J. E. O.

Benjamin Franklin's Anniversary

On January 16, W2XAF celebrated the 230th anniversary of Benjamin Franklin's birth. First, a sketch was presented, portraying Franklin as a poor printer journeying from Boston in search of work. The scene was in Philadelphia, and his first meeting with Deborah Reid, his wife to be, was dramatically enacted.

Later, Benjamin Franklin's great-great-grandson gave some interesting anecdotes concerning his forebear. In his hand he held a coin, the first to be "minted" in the country. It was designed by Franklin for George Washington in 1786. The inscription on one side reads: "United States of America—We Are One." On the other is a representation of the sun and a sundial with the Latin word "fugeo"—also the words: "Mind your own business." The speaker said that Benjamin Franklin discovered electricity, gave a swimming exhibition in England, became American Minister to France and was allowed by the French King to appear at court in any dress he pleased. A letter dated May 12, 1784, was read, in which Franklin thanked a friend for the following words of advice given in 1724: "Stoop as you go through life and you will miss many hard bumps." Other famous sayings of Franklin were read: "Keep your eyes wide open before marriage and shut after," and "There never was a good war or a bad." This wise and thrifty philosopher was an economist. He suggested Daylight Saving and a shorter working week.

Benjamin Franklin wrote his own epitaph and described himself as "an old and battered book about to be placed in the hands of the Author for revision and repair." He died in 1790.

Barnsley, Yorks.

R. H. G.

Short-Wave Report

SIR,—The following is my report for short-wave stations received on the night of January 8, which I hope may be of interest to readers in this locality:—

G.M.T.
22.30 W2XAF (31.48 m.) R7/FS/X. Call, Tom Mix.
22.35 GSC (31.32 m.) R9/N/X. Orchestra.
22.40 PRF5 (31.58 m.) R6/FR/X. Songs, call, announcement.
22.46 VP3MR (42.4 m.) R8/FR/X. "Merry Widow."
22.52 HJ1ABB (46.52 m.) R6/FS/X. Rumba, call in Spanish.
23.00 TIPG (46.87 m.) R5/FS/XX. Tango, ann'ct.
23.08 YV3RC (48.78 m.) R6/FR/X. Ann'ct. Songs.
23.20 GSA (49.59 m.) R7/N/X. Talk.
23.25 DJC (49.83 m.) R9/N/X. Piano.
23.30 YV2RC (51.72 m.) R6/N/XX. Call, talk.
23.34 YV5RMO (51.28 m.) R7/FS/XX. Ann'ct. Songs.
23.40 HJ4ABE (50.6 m.) R7/N/XX. Talk.
23.45 W3XAL (49.18 m.) R8/FR/X. Call, news.
23.55 2RO (31.13 m.) R9/FR/X. American Hour.
00.15 W8XK (48.86 m.) R7/FR/X. Call, talk by Capt. Kieruns.

The receiver used is an Av—2, the adaptor being of home construction. Reception on 'phones, using "inverted-L" type outdoor aerial 70 ft. long and 30 ft. high.

Drogheda, Ireland.

P. J. C. M.

Below 100 Metres

By "METROPOLITAN"

(January 13—19)

SHORT-WAVE conditions, as experienced this week in South London, can best be described as very erratic. The signal strengths of most stations, excepting the "locals," have varied considerably from day to day. The U.S. 16 m. and 19 m. transmitters have been fairly well heard during the afternoons, but never above R6. A noticeable increase in signal strength has generally been observed after sunset, W2XAD and W8XK being easily the best stations heard around 19.00, after which time their signals have tended to fade out. The U.S. 13 m. transmitters have been unheard, although the carrier of W8XK was heard on Monday. Conditions during the late evening period have fluctuated the most.

VP3MR (42.4 m.) was well received at 23.15 on Monday, but was badly interfered with at times. W3XAL (49.18 m.) was also heard at this time. The new Madrid station on approximately 45 m. provided an R9 signal, except for occasional sharp fades. Incidentally, this station has been testing each evening between 23.00 and midnight, and asking for reports.

Conditions during the afternoon and late evening on Tuesday were definitely poor. W8XK (19.72 m.) was barely intelligible at 17.30, W3XAL (16.87 m.) being slightly better. Later in the evening W2XAF and VP3MR were about the only two stations worthy of mention, both being fair at 23.40. After midnight, however, conditions were very poor, the only U.S. transmitter heard being W3XAL (49.18 m.) at R4-5. A distinct improvement was noticed during the afternoon and early evening on Thursday; W3XAL (16.87 m.) and W8XK (19.72 m.) being very well heard at 16.50. W2XAD was better than he has been for some time, and W2XE (19.64 m.) was also quite good (R7) at 19.30.

Friday was much the same except for an improvement during the late night period on the 49 m. band. W8XK (48.86 m.) was a very strong signal while W3XAL and W8XAL were also very well received at this time, as also were several of the South American stations, particularly YV6RV (46 m.) at R8.

Conditions were again poor on Saturday, and continued much about the same on Sunday, although the 16 m. and 19 m. U.S. transmitters all provided fairly good signals during the afternoon and early evening. PMN was heard during the afternoon, but not at the strength heard previously.

Correspondence

CRCX, Toronto

SIR,—It has often been said the world is a small place, and my recent experiences when tuning in on the short waves tend to convince me that the statement is well founded. I have been rather keen on "getting" Canada, and on January 4, just before 23.00 (G.M.T.), I was rewarded, after careful tuning, by hearing the announcement "CRCX Toronto." Conditions were not too good; there was considerable interference from a nearby powerful morse transmitter, but a fairly intelligible reception of a programme of dance music was possible.

Another opportunity for a run round the dial occurred on Thursday, January 16, on which date, just after 22.30, quite a clear "CRCX Toronto" was heard, and until 22.45, a musical programme, followed by Market and Exchange Reports, was heard at good strength and fairly clear. It was then announced that we were to hear an overseas broadcast: "Big Ben" struck the hour of eleven, and the announcer in England was heard stating quite clearly on which wavelengths transmission would take place, and shortly I was being entertained with variety. It is wonderful to realise that within the fraction of a second the programme had crossed the ocean and a large portion of Canada, and had come back to the Old Country.

I remember reading in WORLD-RADIO not long since that if one wanted thrills one should build a short-wave set, and I am now more than ever in agreement with the writer. My "Adaptor to o-v-1" has provided thrills galore since I began, about eighteen months ago, to seek contact with the outlying parts of the Empire.

Yours faithfully,

N. V.

Sheffield.

Short-Wave Programmes

Call	kcs	m.	Call	kcs	m.
Daventry GSA	6,050	49.59	Paris (France) (Radio-Colonial) TPA3	(a) 11,880	25.23
Daventry GSB	9,510	31.55	Paris (France) (Radio-Colonial) TPA4	(b) 11,720	25.6
Daventry GSC	9,580	31.32	Pittsburgh (Pa., U.S.A.) W8XK	(a) 15,210	19.72
Daventry GSD	11,750	25.53	Pittsburgh (Pa., U.S.A.) W8XK	(b) 11,870	25.27
Daventry GSE	11,860	25.29	Rio de Janeiro (Brazil) PRF5	(a) 6,140	48.86
Daventry GSF	15,140	19.82	Rio de Janeiro (Brazil) PRF5	(b) 9,501	31.58
Daventry GSG	17,790	16.86	Rome (Italy) ZRO	(a) 11,810	25.4
Daventry GSI	15,260	19.66	Rome (Italy) ZRO	(b) 9,635	31.13
Daventry GSL	6,110	49.1	Ruyssedele (Belgium) ORK	(a) 10,330	29.04
Bombay (India) VUB	9,565	31.36	Schenectady (New York, U.S.A.) W2XAD	(a) 15,330	19.56
Boston (Mass.) WIXAL	(a) 11,790	25.45	Schenectady (New York, U.S.A.) W2XAF	(b) 9,530	31.48
Budapest (Hungary) HAS3	(a) 15,370	19.52	Skamlebaek (Denmark) OXY	(a) 6,060	49.5
Budapest (Hungary) HAT4	(b) 9,125	32.88	Suva (Fiji) VPD	13,075	22.94
Caracas (Venezuela) YV2RC	5,800	51.72	Tokio (Japan) JVM	10,740	27.93
Eindhoven (Holland) PCJ	45,220	19.71	Tokio (Japan) JVP	7,510	39.95
Huizen (Holland) (Holland-India Broadcasting Station PHOH)	PHI 11,730	25.57	Vatican City (Italy) HVJ	(a) 15,123	19.84
Madrid (Spain) EAQ	9,860	30.43	Vatican City (Italy) HVJ	(b) 9,969	50.26
Moscow (U.S.S.R.) RW59	{ 12,000	25	Zeesen (Germany) DJA	9,560	31.38
Moscow (U.S.S.R.) RW59	{ 6,000	50	Zeesen (Germany) DJB	15,200	19.74
Moscow (U.S.S.R.) RW59	{ 12,000	25	Zeesen (Germany) DJC	6,020	49.83
Moscow (U.S.S.R.) RW59	{ 6,000	50	Zeesen (Germany) DJD	11,770	25.49
Parade (Portuguese Radio-Club) CTIGO	{ (a) 12,396	24.2	Zeesen (Germany) DJN	9,540	31.45
Parade (Portuguese Radio-Club) CTIGO	{ (b) 6,198	48.4	Zeesen (Germany) DJJ	15,280	19.63

*Electrical Recording.
†Gramophone Records.

SUNDAY, January 26

EMPIRE

Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

BOSTON (WIXAL), (a) 20.30—Talks; Music. 21.15—Christian Science Service. (b) 22.00—University College of Music Programme. 22.15—Handicrafts. 22.30—See 22.00. 22.45—Talk by Sir Herbert Ames: League of Nations Finances. 23.00—See 22.00. 23.15—William Dana Orcutt, Author. 23.45—See 22.00.

BUDAPEST, (a) 14.00—Records; News. (b) 23.00—See 14.00.

CARACAS, 13.30—Service; Records. 14.30—Music. 19.15—Racing. 22.30—Music. 23.30—Dance Music. 01.00-02.30—Variety.

EINDHOVEN (PCJ)—Relays Huizen (PHI).

HUIZEN (PHI), 13.00—Call; Music. 13.10—Debutants; Music. 13.30—News; Talk. 13.55—Choir; Music. 14.40—K.R.O. Programme. 15.40-16.00—Dance Music.

MADRID (EAQ), 22.15—News; Music. 22.52—Recitations. 23.00—From Madrid (EAJ7). 23.45—Music. 00.00—Dance Music. 00.35-02.30—Songs; Music; News.

MOSCOW, 11.00—Weekly Review (in Eng.); Questions and Answers (Eng.). 12.00—Talk (Fr.). 13.00—Swedish Programme. 15.00—See 11.00. 17.30—Concert. 20.00—German Programme. 21.05—See 11.00. 22.00—Talk (Ger.).

PARIS (Radio-Colonial), (a) 23.00—Sports. (b) 23.15—Music. 00.15—News (Fr., Span.). 01.00—News (Eng.). 01.15—Review; Records. 02.00—Talk. 03.45—Talk; Records. 04.20—News (Eng.). 04.40—News; Records. 05.30—News (Span., Ger.).

PITTSBURGH, (a) 14.00—For Children. 15.00—Male Quartet. 15.30—Strings. 16.00—U. P. Church. 17.00—Orchestra. 17.30—Symphony Orchestra; Songs. 18.30—Love Chant. 18.45—While the City Sleeps. 19.00—Symphony Orchestra. 20.00—Drama; Strings. 20.15—Music; Discus. 20.45—Light Music. 21.00—Elegy; Orchestra. 21.30—Vespers. (a, b) 22.00—Sketch. 22.30—Dog Stories. 22.45—News. 23.00—Quartet. 23.15—The O'Malleys. 23.30—Drama. (b) 00.00—Orchestra; Songs. 00.30—Ripley; Music. 01.00—Musical Comedy. 01.45—Van Loon—Book Talk. (b, c) 02.00—Life is a Song—Soprano; Orchestra; Male Octet. 02.30—Walter Winchell. 02.45—Paul Whiteman's Orchestra. 03.30—Y.M.C.A. Programme. 04.00—Organ Reveries.

04.15—Missionary Broadcast. 05.00—Dancing in Twin Cities. 05.30—Earl Hines and his Orchestra. 06.00—Good night.

ROME, (a) 13.15—Talks; Music. 17.00-18.00 and 18.45-19.30—From Rome (420.8 m.).

RUYSSELEDE, 19.30—News (Flem., Fr.). 20.00-21.00—From Brussels (I).

SCHENECTADY, (a) 15.30—Music. 16.00—News. 16.05—Music. 16.15—Service. 17.00—Major Bowes' Theatre. 17.30—University of Chicago Discussion. 18.00—Gipsy Music. 18.30—Music. 18.45—Sweethearts. 19.00—Melody Matinee. 19.30—Vox Pop. 20.00—Harry Reser and the Cluquet Club Eskimos. 20.30—Music. (b) 21.15—The Widow's Songs. 21.30—Orchestra. 22.00—Serenade. 22.30—Drama. 22.45—Orchestra. 23.00—Roman Catholic Hour. 23.30—Songs. 23.45—Miners' Quartet. 00.00—Drama. 00.30—Recital. 00.45—Morin Sisters and Ranch Boys. 01.00—Major Bowes' Amateur Hour. 02.00—Merry-Go-Round. 02.30—Revue. 03.00—Concert. 04.00—Melody Master. 04.30—News. 04.35-05.00—Orchestra.

SKAMLEBAEK (OXY), 16.00-17.20 and 18.00-23.30—From Kalundborg.

ZEESEN (DJB, DJN), 08.45—Call (Ger., Eng.). 09.00—Trio. 09.30—News (English). 09.45—Concert. 10.45—News; Music. 12.00—News (Eng.).

ZEESEN (DJA, DJN), 13.00—Call (Ger., Eng.). 13.15—Service. 13.30—Riddles. 13.45—News in Eng. (DJA) and Dutch (DJN). 14.00—Orchestra. 15.15—News. 15.30—Songs; Verse. 16.15—See 13.45.

ZEESEN (DJD, DJC), 17.00—Call (Ger., Eng.). 17.15—News. 17.30—Service. 17.45—Fairy Tales. 18.00—Concert. 19.00—News (Eng.). 19.15—Variety. 20.00—Sports. 20.15—Orchestra. 21.00—News (Ger., Eng.). 22.05—Fairy Play. 22.45—News. 23.00—Service. 23.15—Concert. 00.15—Sports. 00.30—Orchestra. 01.15—News (Eng.). 01.30—Variety. 02.00—News. 02.15—Band. 03.30—See 17.00.

ZEESEN (DJN, DJA), 22.00—Call (Ger., Span., Port.). 22.05—For Children. 22.45—News. 23.00—Service. 23.15—Concert. 00.15—News (Span., Port.). 00.30—Orchestra. 01.15—Sports. 01.30—Cabaret. 02.00—News. 02.15 (DJN)—Music; (DJA) Review (Ger., Port.). 03.30 (DJN)—News (Span., Ger.).

MONDAY, January 27

EMPIRE

Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

BOSTON (WIXAL), (a) 23.00—Review.

CARACAS, 16.10-18.30—Records. 21.30—Music; Songs. 22.15—For Children. 22.30—Dance Music; Songs. 23.00—News. 23.30—Variety. 00.00—Orchestra; Travelogues. 00.45—Duets. 01.00—Orchestra. 01.30—Amateurs. 02.00-02.30—Dance Music; Crooner.

HUIZEN (PHI), 13.00—Call. 13.10—Resident Quartet. 13.30—News; Music. 13.50—Talk; Music; Sports. 14.30—Quartet. 14.50-15.00—Dance Music.

MADRID (EAQ), 22.15—News; Music. 22.46—News (Span., Eng., Fr.). 23.00—Catalan Programme. 00.00-02.30—News; Music.

MOSCOW, 17.30—Concert. 20.00—For Children (Ger.). 21.05—Talks (Eng.). (a) The 1936 Budget. (b) Interview with a Metro Worker. 22.00—Talk (Hung.).

PARIS (Radio-Colonial), (a) 23.00—Sports. (b) 23.15—Music. 00.15—News. 00.40—News (Span.). 01.00—News (Eng.). 01.15—Records. 02.00—Reviews. 03.45—Talk; Records. 04.20—News (Eng.). 04.40—News; Records. 05.30—News (Span., Ger.).

PITTSBURGH, (a) 14.00—Orchestra; Songs. 14.45—Style and Shopping. 15.00—News. 15.05—City Voices. 15.15—Edward MacHugh—Gospel Singer. 15.30—For Children. 16.00—U.S. Navy Band. 17.00—News. 17.15—Salt and Peanuts. 17.30—Farm and Home. 18.30—Grab Bag. 18.45—Mac and Blaine. 19.00—Words and Music. 19.30—Home Forum. 20.00—Citrus Sunshine. 20.05—Matinee. 20.30—Back Stage Wife. 20.45—Charm. 21.00—Sketch. 21.15—Ranch Boys. 21.30—Topical; Songs. (a, b) 22.00—For Children. 22.15—Plough Boys. 22.30—For Children. 23.00—News. 23.15—Quartet. 23.30—Music. 23.45—Lowell Thomas. (b) 00.00—Pittsburgh Forum—Dr. Clausen. 00.15—Captain Tim's Adventures. 00.30—To be announced. 00.45—Romance of Dan and Sylvia; Sketch. 01.00—Fibber McGee and Molly—Sketch. 01.30—Evening in Paris—Vocal Trio; Tenor; Orchestra. (b, c) 02.00—Sinclair Minstrels. 02.30—Princess Pat Players. 03.00—Cuckoo—Vocal Trio; Male Quartet; Soprano; Orchestra. 04.00—News. 04.05—By the Fireside. 04.15—Ink Spots Negro Quartet. 04.30—Ray Noble's Orchestra. 05.00—Ed. Sprague's Fight Review. 05.08—Griff Williams and his Orchestra. 05.30—Don Bestor's Orchestra. 06.00—Good night.

RIO DE JANEIRO (PRF5), 22.30—News (Port.). 23.00—Talks (Various Languages).

ROME, (a) 13.15—Talks; Music. 17.00-18.00 and 18.45-19.30—From Rome (420.8 m.). (b) 22.59—American Hour from Rome. News (Eng., It.). The Force of Destiny (Verdi). Talk. American Folk Songs.

RUYSSELEDE, 19.30—News (Flem., Fr.). 20.00-21.00—From Brussels (I).

SCHENECTADY (a) 19.00—Tenor. 19.15—Household Chats. 19.30—Piano Pals; Tenor. 19.45—Music. (b) 21.00—Sketch. 21.15—How to be Charming. 21.30—Stocks. 21.45—Music. 22.00—Al Pearce's Gang. 22.30—Tom Mix. 22.45—Music. 23.00—New. 23.05—Music. 23.15—Concerto. 23.30—News. 23.35

—Contraalto. 23.45—Sketch. 00.00—Amos n' Andy. 00.15—Uncle Ezra. 00.30—Stocks. 00.50—News (Span.). 01.00—Spanish Programme. 01.30—Concert. 02.00—A and P Gypsies. 02.30—Grace Moore (Soprano). 03.00—Contented Hour. 03.30—Forum. 04.00—News. 04.05—Dance Music. 04.15—Crooner. 04.30—Orchestra. 04.45-05.00—Organ.

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

SUVA, FIJI, 05.30-06.30—Records.

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

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

ZEESEN (DJA, DJN), 13.00—Call (Ger., Eng.). 13.15—Orchestra. 13.45—News in Eng. (DJA) and Dutch (DJN). 14.00—Riddles. 14.45—Orchestra. 15.15—News. 15.30—Topical. 15.45—Variety. 16.15—See 13.45.

ZEESEN (DJD, DJC), 17.00—Call (Ger., Eng.). 17.15—News. 17.30—For Boys. 17.45—Concert. In the interval: Talks. 19.00—News (Eng.). 19.15—Topical. 19.30—Musical Variety. 20.00—Topical. 20.15—Sketch; Music. 21.00—News (Ger., Eng.). 22.05—For Boys. 22.20—Folk Music. 22.35—Economics. 22.45—News. 23.00—See 17.45. 00.15—Topical. 00.30—Sketch with Music. 01.15—News (Eng.). 01.30—Variety. 02.00—News. 02.15—Variety. 03.30—See 17.00.

ZEESEN (DJN, DJA), 22.00—Call (Ger., Span.). 22.05—Talk. 22.20—Music. 22.35—Economics. 22.45—News. 23.00—Topical. 23.15—Music; Talks. 00.15—News (Span.). 00.30—Sketch; Music. 01.15—Topical. 01.30—Musical Variety. 02.00—News (Ger.). 02.15 (DJN)—Variety; (DJA) Review (Ger., Span.). 03.30 (DJN)—News (Span.).

TUESDAY, January 28

EMPIRE

Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

BOSTON (WIXAL), (a) 23.00—Review. (b) 00.00—Music. 00.15—Vachel Lindsay Poems. 00.30—Talk; Lavoisier. 00.45—Music. 01.00—Talk; Polarised Light. 01.15—Music. 01.30—French. 01.45—Music.

CARACAS, 16.10-18.30—Records. 21.30—Music; Songs. 22.15—For Children. 22.30—Dance Music; Songs. 23.00—News. 23.30—Variety. 00.00—Serial. 00.15—Music. 01.00—Family Life. 01.30-02.30—Songs; Dance Music; Opera Records.

MADRID (EAQ), 22.15—News; Music. 23.06—Music; Songs. 23.30—News (Span., Eng., Fr.). 23.40—Music. 00.00—For English Listeners. 00.35-02.30—Music; Reading; News.

MOSCOW, 17.30—Concert. 20.00—Talks (Ger.). 21.05—Talks (Fr.). 22.00—Dutch Talk.

PARIS (Radio-Colonial), (a) 23.00—Sports. (b) 23.15—Music. 00.15—News (Fr. Span.). 01.00—News (Eng.). 01.15—Records. 02.00—Talk. 03.45—Talk. 04.00—Records. 04.20—News (Eng.). 04.40—News; Records. 05.30—News (Span., Ger.).

PITTSBURGH, (a) 14.00—Orchestra; Vocal Trio; Songs. 14.45—Style and Shopping. 15.00—News; Pte. 15.15—Edward MacHugh—Gospel Singer. 15.30—Sketch. 16.00—Marine Band. 17.00—News. 17.15—Salt and Peanuts. 17.30—Farm and Home. 18.30—Grab Bag. 18.45—Mac and Blaine. 19.00—Songs. 19.30—Home Forum. 20.00—Nellie Revell. 20.15—Rhythm. 20.30—Back Stage

Wife. 20.45—Congress of Clubs. 21.00—Sketch. 21.15—Ranch Boys. 21.30—Chamber Music. (a, b) 22.00—For Children. 22.15—Plough Boys. 22.30—For Children. 23.00—News. 23.15—The O'Malleys. 23.30—Music. 23.45—Lowell Thomas. (b) 00.00—Easy Aces—Sketch. 00.15—Jack Randolph and his Orchestra. 00.30—Pittsburgh Varieties. 01.00—Eno Crime Clues—Mystery Drama. 01.30—Welcome Valley—Dramatic Sketch. (b, c) 02.00—Ben Bernie and all the Lads. 02.30—Helen Hayes in "The New Penny"; Orchestra. 03.00—Wendell Hall. 03.15—Radio Town Meeting. 04.00—News; Sports—Ed. Sprague. 04.15—Lovellorn Column in Rhythm and Rhyme. 04.30—Reggie Childs and Orchestra. 05.00—Shandor (Violin). 05.08—Ranny Weeks' Orchestra. 05.30—Joe Rimes and his Orchestra. 06.00—Good night.

RIO DE JANEIRO (PRF5), 22.30—News (Port.). 23.00—Talks (Various Languages).

ROME, (a) 13.15—Talks; Music. 17.00-18.00 and 18.45-19.30—From Rome (420.8 m.). (b) 23.20—News. The Force of Destiny (Verdi). News (Span., Port.). Talk. Dances and Songs.

RUYSSELEDE, 19.30—News (Flem., Fr.). 20.00-21.00—From Brussels (I).

SCHENECTADY, (a) 19.00—NBC Music Guild. 19.30—Business Talk. 19.35—Octet. 19.45—Health Hunters. (b) 21.00—Sketch. 21.15—Bridge. 21.30—Stocks. 21.45—Matinee Players. 22.00—Music. 23.00—News; Music. 23.15—Hymn. 23.30—News; Letters. 00.00—Amos n' Andy. 00.15—Popeye the Sailor. 00.30—Stocks. 00.50—News (Span.). 01.00—Spanish Programme. 01.30—Orchestra. 02.00—Music. 02.30—Jumbo Fire Chief. 03.00—Studio Party. 03.30—Jimmy Fidler. 03.45—Music. 04.00—News. 04.05—Dance Music. 04.30-05.00—Orchestra; Organ.

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

SUVA, FIJI, 05.30-06.30—Records.

TOKIO (JVP), 19.00—Announcements; News (Eng.). 19.15—Variety. 19.45-20.00—News.

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

ZEESEN (DJB, DJN), 08.45—Call (Ger., Eng.). 09.00—Music. 09.30—News (Eng.). 09.45—For Boys. 10.00—Riddles. 10.45—News; Music. 12.00—News (Eng.).

ZEESEN (DJA, DJN), 13.00—Call (Ger., Eng.). 13.15—Talk. 13.30—Music. 13.45—News in Eng. (DJA) and Dutch (DJN). 14.00—Music; Talks. 15.15—News. 15.30—Topical. 15.45—Variety. 16.15—See 13.45.

ZEESEN (DJD, DJC), 17.00—Call (Ger., Eng.). 17.15—News. 17.30—For Women. 17.45—For Amateurs. 18.00—Talk. 19.00—News (Eng.). 19.15—Topical. 19.30—Singspiel. 20.30—Pfte. 21.00—News (Ger., Eng.). 22.05—For Women. 22.20—Love Songs. 22.35—Economics. 22.45—News. 23.00—For Amateurs. 23.15—See 19.30. 00.15—Topical. 00.30—Pfte. 01.15—News (Eng.). 01.30—Pfte. 02.00—News. 02.15—Music. 03.30—See 17.00.

ZEESEN (DJN, DJA), 22.00—Call (Ger., Span., Port.). 22.05—For Women. 22.20—Love Songs. 22.35—Economics. 22.45—News. 23.00—For Short-Wave Amateurs. 23.15—Singspiel. 00.15—News (Span., Port.). 00.30—Talk. 01.15—Topical. 01.30—Pfte. 02.00—News. 02.15 (DJN)—Music; (DJA)—Announcements (Ger., Port.). 03.30 (DJN)—News (Span.).

WEDNESDAY, Jan. 29

EMPIRE

Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

BOSTON (WIXAL), (a) 23.00—Review. **CARACAS, 16.10-18.30**—Records. 21.30—Music; Songs. 22.15—For Children. 22.30—Dance Music; Songs. 23.00—News; Variety. 00.00—Humour; Songs; Dance Music. 00.45—Talks. 01.00—Quartet. 01.15—Amateurs. 01.30—02.30—Music.

MADRID (EAO), 22.15—News; Music; Readings. 23.10—Music. 23.30—News (Span., Eng., Fr.). 23.40—Music. 00.00—For English People. 00.35-02.30—Music; News.

MOSCOW, 11.00—Talk (Eng.); Genetics. 17.30—Les cloches de Corneville (Planquette). 20.00—Opera Relay. 22.00—See 11.00.

PARIS (Radio-Colonial), (a) 23.00—Sports. (b) 23.15—Music. 00.15—News. 00.40—News (Span.). 01.00—News (Eng.). 01.15—Talk; Records. 02.00—Review. 03.45—Talk; Records. 04.20—News (Eng.). 04.40—News; Records. 05.30—News (Span., Ger.).

PITTSBURGH, (a) 14.00—Orchestra; Songs. 14.45—Style and Shopping. 15.00—News. 15.05—Comedy. 15.15—Edward MacHugh—Gospel Singer. 15.30—Sketch. 16.00—Honeymooners. 16.15—Spanish Caballeros. 16.30—U. S. Army Band. 17.00—News. 17.15—Salt and Peanuts. 17.30—Farm and Home Hour. 18.30—Grab Bag. 18.45—Mac and Blaine. 19.00—Songs. 19.30—Home Forum. 20.00—Citrus Health. 20.05—Matinée. 20.30—Back Stage Wife. 20.45—Charm. 21.00—Sketch. 21.15—Karen Fladoes. 21.30—U. S. Navy Symphony Orchestra. (a, b) 22.00—For Children. 22.15—Plough Boys. 22.30—For Children. 23.00—News. 23.15—Three Girls. 23.30—Music. 23.45—Lowell Thomas. (b) 00.00—Easy Aces—Sketch. 00.15—Captain Tim's Adventures. 00.30—Lois Miller and Rosey Rowswell. 00.45—Romance of Dan and Sylvia—Sketch. 01.00—Life Saver's Rendezvous—Variety. 01.30—Armo Iron Master—Sketch. (b, c) 02.00—Cinema Theatre. 02.30—20,000 Years in Sing-Sing—Sketch with Orchestra. 03.00—John Charles Thomas; Orchestra. 03.30—Jimmy Fidler. 03.45—Squire Hawkins. 04.00—News; Sports. 04.15—Ink Spots—Negro Quartet. 04.30—Al Donahoe's Orchestra. 05.00—Shandor (Violin). 05.08—Harold Stern's Orchestra. 05.30—Teddy Hill's Orchestra. 06.00—Good night.

RIO DE JANEIRO (PRF5), 22.30—News (Port.). 23.00—Talks (Various Languages).

ROME, (a) 13.15—Talks; Music. 17.00-18.00 and 18.45-19.30—From Rome (420.8 m.). (b) 22.59—American Hour from Rome. News (Eng., It.). Symphony Concert. Conductor; Bruno Walter. Talk. Italian Songs.

RUYSSELEDE, 19.30—News (Flem., Fr.). 20.00-21.00—From Brussels (I).

SCHENECTADY, (a) 19.00—Soprano. 19.15—Household Chat. 19.30—Piano Pals. 19.45—Scissors and Paste. (b) 21.00—Sketch. 21.15—How to be Charming. 21.30—Stocks. 21.45—Music. 22.00—Al Pearce's Gang. 22.30—Tom Mix. 22.45—Music. 23.00—News; Music. 23.15—Orchestra. 23.30—News. 23.35—Orchestra. 23.45—Sketch. 00.00—Amos 'n' Andy. 00.15—Uncle Ezra. 00.30—Stocks. 00.50—News (Span.). 01.00—Latin America. 02.00—Town Hall Tonight. 03.00—Musical Comedy. 03.30—Music. 04.00—News; Orchestras. 04.45-05.00—Organ.

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

SUVA, FIJI, 05.30-06.30—Records.

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

ZEESEN (DJB, DJN), 08.45—Call (Ger., Eng.). 09.00—For Amateurs. 09.15—For Women. 09.30—News (Eng.). 09.45—Variety. 10.45—News; Music. 12.00—News (Eng.).

ZEESEN (DJA, DJN), 13.00—Call (Ger., Eng.). 13.15—For Short-Wave Amateurs. 13.30—Music. 13.45—News in Eng. (DJA) and Dutch (DJN). 14.00—Singspiel. 15.00—Topical. 15.15—News. 15.30—Topical. 15.45—Pfte. 16.15—See 13.45.

ZEESEN (DJD, DJC), 17.00—Call (Ger., Eng.). 17.15—News. 17.30—For Boys. 18.00—Orchestra. 19.00—News (Eng.). 19.15—Topical. 19.30—Variety. 20.00—Talk. 20.15—Dance Music. 21.00—News (Ger., Eng.). 22.05—For Boys. 22.35—Economics. 22.45—News (Span., Port.). 03.30 (DJN)—News (Span.).

Talk. 00.15—Topical. 00.30—Dance Music. 01.15—News (Eng.). 01.30—Variety. 02.00—News. 02.15—Music. 03.30—See 17.00.

ZEESEN (DIN, DJA), 22.00—Call (Ger., Span.). 22.05—Talk. 22.35—Economics. 22.40—Sketch. 22.45—News. 23.00—Orchestra. 00.00—Dialogue. 00.15—News (Span.). 00.30—Dance Music. 01.15—Topical. 01.30—Songs. 02.00—News. 02.15 (DJN)—Music; (DJA) Announcements (Ger., Span.). 03.30 (DJN)—News (Span.).

THURSDAY, Jan. 30

EMPIRE
Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

BOSTON (WIXAL), (a) 23.00—Review. (b) 00.00—Music. 00.15—Beethoven—Sketch. 00.45—Education Talk. 01.00—Better English. 01.15—Music. 01.30—Legal Talk. 01.45—Music.

CARACAS, 16.10-18.30—Records. 21.30—Music; Songs. 22.15—For Children. 22.30—Dance Music; Songs. 23.00—News; Variety. 00.30—Viennese Music. 01.00—Play. 01.30—Pearls and Peonies. 02.00-02.30—Dance Music.

HUIZEN (PHI), 13.00—Call; Music; Talk. 13.30—News. 13.45—Cabaret. 14.15—Talk. 14.25-15.00—Cabaret.

MADRID (EAO), 22.15—News; Music. 22.46—News. 23.00—From Madrid (EAJT). 23.30—News (Span., Eng., Fr.). 23.40—Music. 00.00—For English Listeners. 00.35-02.30—Pfte.; Recitations; News.

MOSCOW, 17.45—Beethoven. 20.00—Concert (Ger., Fr. Commentary). 22.00—Talks (Span., Port.).

PARIS (Radio-Colonial), (a) 23.00—Sports. (b) 23.15—Music. 00.15—News. 00.40—News (Span.). 01.00—News (Eng.). 01.15—Songs. 01.45—Records. 02.00—Talk. 03.45—Talk; Records. 04.20—News (Eng.). 04.40—News; Records. 05.30—News (Span., Ger.).

PITTSBURGH, (a) 14.00—Orchestra; Vocal Trio. 14.45—Style and Shopping. 15.00—News. 15.05—Sketch. 15.15—Edward MacHugh—Gospel Singer. 15.30—Sketch. 16.00—Honeymooners. 16.15—Wendell Hall. 16.30—U. S. Navy Band. 17.00—News. 17.15—Salt and Peanuts. 17.30—Farm and Home. 18.30—Grab Bag. 18.45—Mac and Blaine. 19.00—Songs. 19.30—Home Forum. 20.00—Pen Women's League. 20.30—Back Stage Wife. 20.45—Topical. 21.00—Sketch. 21.15—P. T. A. Programme. 21.30—Pfte. 21.45—Rhythm. (a, b) 22.00—For Children. 22.15—Plough Boys. 22.30—For Children. 23.00—News. 23.15—The O'Malleys. 23.30—Music. 23.45—Lowell Thomas. (b) 00.00—Easy Aces—Sketch. 00.15—Nine to Five—Sketch. 00.30—Swanee Singers. 00.45—Romance of Dan and Sylvia—Sketch. 01.00—Captain Al Williams. 01.15—N. B. C. Symphony Orchestra. (b, c) 02.00—Death Valley Days—Dramatic Programme; Orchestra. 02.30—America's Town Meeting. 03.30—Roy Shield and his Orchestra. 03.45—Florence Fisher Parry. 04.00—News; Sports. 04.15—Arm Chair Driver. 04.30—Howard Lally's Orchestra. 05.00—Shandor (Violin). 05.08—Ranny Weeks' Orchestra. 05.30—Charles Dornberger's Orchestra. 06.00—Good night.

RIO DE JANEIRO (PRF5), 22.30—News (Port.). 23.00—Talks (Various Languages).

ROME, (a) 13.15—Talks; Music. 17.00-18.00 and 18.45-19.30—From Rome (420.8 m.). (b) 23.20—News. Symphony Concert. Conductor; Bruno Walter. Interval: News (Span., Port.). Italian Songs.

RUYSSELEDE, 19.30—News (Flem., Fr.). 20.00-21.00—From Brussels (I).

SCHENECTADY, (a) 19.00—Review. 19.30—Women's Clubs. 19.45—Moosikers. (b) 21.00—Sketch. 21.15—Bridge. 21.30—Stocks. 21.45—Soprano. 22.00—Music. 22.20—Housing Talk. 22.30—Contralto. 22.45—Music. 23.00—News; Music. 23.15—Tenor. 23.30—News; Music. 23.45—Sketch. 00.00—Amos 'n' Andy. 00.15—Popeye the Sailor. 00.30—Stocks. 00.50—News (Span.). 01.00—Rudy Vallee's Orchestra. 02.00—Show Boat. 03.00—Paul Whiteman. 04.00—News; Music. 04.15—Orchestra; Organ. 04.35-05.00—Minneapolis Symphony Orchestra.

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

SUVA, FIJI, 05.30-06.30—Records.

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

ZEESEN (DJB, DJN), 08.45—Call (Ger., Eng.). 09.00—For Boys. 09.30—News (Eng.). 09.45—Band. 10.45—News; Music. 12.00—News (Eng.).

ZEESEN (DJA, DJN), 13.00—Call (Ger., Eng.). 13.15—Talk. 13.45—News in Eng. (DJA) and Dutch (DJN). 14.00—Talk. 14.15—Band. 15.15—News. 15.30—Topical. 15.45—Music. 16.15—See 13.45.

ZEESEN (DJD, DJC), 17.00—Call (Ger., Eng.). 17.15—News. 17.30—Fairy Play. 18.00—Band. 19.00—News (Eng.). 19.15—Topical. 19.30—Songs. 21.00—News (Ger., Eng.). 22.05—Fairy Play. 22.35—Economics. 22.45—News. 23.00—Review. 23.15—Band. 00.15—Topical. 00.30—Variety. 01.15—News (Eng.). 01.30—Songs. 02.00—News. 02.15—Musical Riddles. 03.30—See 17.00.

ZEESEN (DJA, DJN), 22.00—Call (Ger., Span.). 22.05—For Children. 22.35—Economics. 22.40—Sketch. 22.45—News (Ger.). 23.00—Topical. 23.15—Band. 00.15—News (Span.). 00.30—Concert. 01.15—Topical. 01.30—Songs. 02.00—News. 02.15 (DJN)—Musical Puzzles; (DJA) Announcements (Ger., Span.). 03.30 (DJN)—News (Span.).

FRIDAY, January 31

EMPIRE
Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

BOSTON (WIXAL), (a) 23.00—Review.

CARACAS, 16.10-18.30—Records. 21.30—Music; Songs. 22.25—For Children. 22.30—Dance Music; Songs. 23.00—News; Variety. 00.00—Serial. 00.15—Hawaiian Music. 00.30—Solos. 00.45—Music. 01.00—Family Life. 01.30—Opera Music. 02.00-02.30—Songs; Orchestra.

HUIZEN (PHI), 13.00—Call; Music. 13.30—News; Music; Songs. 14.10—Talk; Music; Songs. 14.45-15.00—Dance Music.

MADRID (EAO), 22.15—News; Music. 23.30—News (Span., Eng., Fr.). 23.40—Music. 00.00—For English Listeners. 00.35-02.30—Music; Literature.

MOSCOW, 17.30—Sadko (Rimsky-Korsakov) from the Opera. 20.00—Talks (Czech). 21.05—English Programme: Mother—Play (Gorky), produced by Herbert Marshall. 22.00—German Programme.

PARIS (Radio-Colonial), (a) 23.00—Sports. (b) 23.15—Records. 00.15—News. 00.40—News (Span.). 01.00—News (Eng.). 01.15—Records. 02.00—Talk. 03.45—Talk; Records. 04.20—News (Eng.). 04.40—News; Records. 05.30—News (Span., Ger.).

PITTSBURGH, (a) 14.00—Orchestra; Songs. 14.45—Style and Shopping. 15.00—News; Pfte. 15.15—Edward

MacHugh. 15.30—Sketch. 16.00—Music. 17.00—News. 17.15—Salt and Peanuts. 17.30—Farm and Home Hour. 18.30—Young Artists. 18.45—League of Women Voters. 19.00—Songs. 19.30—Home Forum. 20.00—Matinée. 20.30—Back Stage Wife. 20.45—Charm. 21.00—Sketch. 21.15—Karen Fladoes. 21.30—Modern Melodies. 21.45—Songsters. (a, b) 22.00—For Children. 22.15—Plough Boys. 22.30—For Children. 23.00—News. 23.15—Mary Small (Songs). 23.30—Music. 23.45—Lowell Thomas. (b) 00.00—Trojan Quartet. 00.15—Captain Tim's Adventures. 00.30—Singing Seven. 00.45—Romance of Dan and Sylvia—Sketch. 01.00—Irene Rich. 01.15—Bob Crosby and his Orchestra. 01.30—Kellogg College Programme—Orchestra; Soloists. (b, c) 02.00—Al Pearce and his Radio Gang. 02.30—To be announced. 03.00—Air Wave Theatre. 03.30—The Other Americas. 04.00—News. 04.08—By the Fireside. 04.15—Ink Spots—Negro Quartet. 04.30—Emil Coleman's Orchestra. 05.00—DX Club. 05.30—Billy Lossez and his Orchestra. 06.00—Good night.

RIO DE JANEIRO (PRF5), 22.30—News (Port.). 23.00—Talks (Various Languages).

ROME, (a) 13.15—Talks; Music. 17.00-18.00 and 18.45-19.30—From Rome (420.8 m.). (b) 22.59—American Hour from Rome. News (Eng., It.). Romeo and Juliet (Zandonai). Talk. American Songs.

RUYSSELEDE, 19.30—News (Flem., Fr.). 20.00-20.45—From Brussels (I). 20.45-21.00—Records.

SCHENECTADY, (a) 19.00—Soprano. 19.15—Household Chats. 19.30—Piano Pals; Tenor. 19.45—Talk. (b) 21.00—Sketch. 21.15—How to be Charming. 21.30—Music. 21.45—Ed. McConnell. 22.00—Al Pearce's Gang. 22.30—Tom Mix. 22.45—Music. 23.00—News; Music. 23.15—Orchestra. 23.30—News; Songs. 23.45—Sketch. 00.00—Spanish Programme. 00.30—Markets. 00.50—News (Span.). 01.00—Concert. 01.30—Farm Forum. 02.00—Waltz Time—Munn (Tenor). 02.30—Court Story. 03.00—First Nighter. 03.30—Pop Revue. 04.00—News; Orchestras. 04.45-05.00—Organ.

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

SUVA, FIJI, 05.30-06.30—Records.

TOKIO (JVP), 19.00—Announcements; News (Eng.). 19.15—Variety. 19.45-20.00—News.

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

ZEESEN (DJB, DJN), 08.45—Call (Ger., Eng.). 09.00—Songs. 09.30—News (Eng.). 09.45—Music. 10.45—News. 11.00—Music. 12.00—News (Eng.).

ZEESEN (DJA, DJN), 13.00—Call (Ger., Eng.). 13.15—Talk. 13.45—News in Eng. (DJA) and Dutch (DJN). 14.00—Dance Music. 14.45—Songs. 15.15—News. 15.30—Topical. 15.45—Variety. 16.15—See 13.45.

ZEESEN (DJD, DJC), 17.00—Call (Ger., Eng.). 17.15—News. 17.30—For Women. 18.00—Orchestra. 19.00—News (Eng.). 19.15—Topical. 19.30—Viola and Pfte. 20.00—Talk. 20.15—Variety. 21.00—News (Ger., Eng.). 22.05—For Women. 22.35—Economics. 22.40—Music. 00.00—Talk. 00.15—News (Span., Port.). 00.30—Folk Music and Anecdotes. 01.15—Topical. 01.30—Pfte. 02.00—News (Ger.). 02.15 (DJN)—Music; (DJA) Announcements (Ger., Port.). 03.30 (DJN)—News (Span.).

SATURDAY, Feb. 1

EMPIRE
Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

CARACAS, 16.10-18.30—Records. 21.30—Music; Songs. 22.15—For Children. 22.30—Dance Music; Songs. 23.00—News; Variety. 00.00—Humorous. 00.30—Songs. 00.45—Talks. 01.00—Argentine Music. 01.15—Poetry. 01.30—Anna and the Continentals. 02.00—Spanish Lesson. 02.15-02.30—The Happy Bunch.

HUIZEN (PHI), 13.00—Call. 13.05—Debutants. 13.15—Troubadours. 13.30—News; Talk. 13.55—Troubadours. 14.30—News; Troubadours. 15.25-16.00—Dance Music.

MADRID (EAO), 17.00—Music. 18.00—Talk. 18.20-19.00—Music. 22.15—News; Music. 23.30—News (Span., Eng., Fr.). 23.40—Music. 00.00—For English People. 00.35-02.30—Music; Letter-box.

MOSCOW, 17.45—Soprano. 20.00—Talk (Ger.). 21.05—Talks (Fr.). 22.00—Swedish Programme.

PARIS (Radio-Colonial), (a) 23.00—Sports. (b) 23.15—Music. 00.15—News. 00.40—News (Span.). 01.00—News (Eng.). 01.15—Talk; Records. 02.00—Talk. 03.45—Talk; Records. 04.20—News (Eng.). 04.40—News. 05.30—News (Span., Ger.).

PITTSBURGH, (a) 14.00—Band; Comedian; Tenor. 15.00—News. 15.05—Comedy. 15.15—Edward MacHugh. 15.30—Home Forum. 15.45—Tenor; Orchestra. 16.00—For Children. 16.45—Grab Bag. 17.00—News. 17.15—Salt and Peanuts. 17.30—Farm and Home. 18.30—Metropolitan Opera. (a, b) 22.15—Bill and Alex. 22.30—Terhune Dog Dramas. 22.45—News. 23.30—Music. 23.45—Plough Boys. (b) 00.00—ABC of Faith—Dr. Clausen. 00.15—Master Builder. 00.30—Ethel Harris. 01.00—El Chico Spanish Revue. 01.15—Boston Symphony Orchestra. (b, c) 02.15—Russian Symphonic Choir. 02.30—National Barn Dance. 03.30—Dance Orchestra. 04.00—News; Sports. 04.15—Behind the Law; Elmer Faber. 04.30—Ray Noble's Orchestra. 05.00—Messages to Far North. 05.30—Eddy Duchin's Orchestra. 06.00—Good night.

RIO DE JANEIRO (PRF5), 22.30—News (Port.). 23.30—Talks (Various Languages).

ROME, (a) 13.15—Talks; Music. 17.00-18.00 and 18.45-19.30—From Rome (420.8 m.). (b) 23.20—News. Romeo and Juliet (Zandonai). Talk. Duets. News (Span., Port.).

RUYSSELEDE, 19.30—News (Flem., Fr.). 20.00-21.00—From Brussels (I).

SCHENECTADY, (a) 18.55—Metropolitan Opera. (b) 22.00—Blue Room Echoes. 22.30—Kindergarten. 23.00—News; Music. 23.15—Talk. 23.30—News. 23.35—Kitchell (Contralto). 23.45—News; 00.00—Music. 00.15—Popeye the Sailor. 00.30—Stocks. 00.45-05.00—Variety. 01.00—Hit Parade. 02.00—Rubinoff (Violin). 02.30—Variety. 03.30—Corn-cob Pipe Club. 04.00-05.00—News; Orchestras.

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

SUVA, FIJI, 05.30-06.30—Records.

VATICAN CITY, (a) 10.00—Religious Notes (Various Languages). (b) 19.00—News (Ital.).

ZEESEN (DJB, DJN), 08.45—Call (Ger., Eng.). 09.00—For Women. 09.30—News (Eng.). 09.45—Classical Music. 10.45—News; Music. 12.00—News (Eng.). 12.15—Music.

ZEESEN (DJA, DJB, DJN), 13.05—Call (Ger., Eng.). 13.15—For Women. 13.45—News in Eng. (DJA) and Dutch (DJB, DJN). 14.00—Talk. 14.15—Orchestra. 15.15—News. 15.30 (DJA, DJN) Topical. 15.45 (DJA, DJN) Viola and Pfte. 16.15—News in Eng. (DJA) and Dutch (DJN).

ZEESEN (DJD, DJC), 17.00—Call (Ger., Eng.). 17.15—News. 17.30—Folk Songs. 17.45—Variety. 19.00—News (Eng.). 19.15—Topical. 19.30—Variety. 20.30—Dance Music. 21.00—News (Ger., Eng.). 22.00—Variety. 22.45—News. 23.00—Variety. 00.15—Topical. 00.30—Dance Music. 01.15—News (Eng.). 01.30—Dance Music. 02.00—News. 02.15—Dance Music. 03.30—See 17.00.

ZEESEN (DJA, DJN), 21.55—Call (Ger., Span.). 22.00—Variety. 22.40—News. 23.00—Music. 00.15—News (Span.). 00.30—Greetings. 01.15—Topical. 01.30—Dance Music. 02.00—News. 02.15 (DJN)—Dance Music; (DJA) Announcements (Ger., Span.). 03.30 (DJN)—News (Span.).

SUNDAY

January 26

11 a.m.

BERLIN, FRANKFURT, KÖNIGSBERG and STUTTGART, Light Music. **BEROMÜNSTER**, 11.10—Orchestra; Soprano; Pfte. **BRESLAU**, Orchestra. **BRUSSELS (1)**, Orchestra; Pfte. **BRUSSELS (2)**, Flemish Songs. Records. **HAMBURG, COLOGNE, and DEUTSCHLANDSENDER**, Army Marches. **HILVERSUM (301.5 m.)**, 11.40—Records. 11.55—K.R.O. Orchestra. **KALUNDBORG**, Radio Orchestra. **LEIPZIG**, Light Music from Oberhof. In the interval: Bob-Sleighting Championship Report. **MUNICH**, Trumpeter Corps. **PARIS (PTT)**, Light Music. **PRAGUE**, 11.10—News. 11.20—Concert Version, "You and I"—Operetta (Vipler). Conductor: The Composer. **RADIO-NORMANDIE**, Light Music. **RADIO-PARIS**, Padeloup Concert Orchestra. **ROME and TURIN**, Bible Reading. 11.30—Light Music. **VIENNA**, 11.10—Inauguration of the Linz Regional Transmitter, from the Redoutensaal. "Froh Sinn" Choral Society. **WARSAW**, 11.15—Symphony Orchestra; Cello.

12 noon

BERLIN, COLOGNE, FRANKFURT, HAMBURG, KÖNIGSBERG and STUTTGART, Light Music. **BEROMÜNSTER**, Orchestra (contd.). Talk. **BRESLAU and DEUTSCHLANDSENDER**, Orchestra. **BRUSSELS (1)**, Records; Recitations. **BRUSSELS (2)**, Light Music. **HILVERSUM (1,875 m.)**, 12.10 p.m.—Light Music. **HILVERSUM (301.5 m.)**, K.R.O. Orchestra. **KALUNDBORG**, English Lesson, German Talk, French Reading. **LEIPZIG**, Music and Report (contd.). **MUNICH**, Orchestra. **PARIS (PTT)**, Light Music (contd.). 12.15—Light Music and Dance Music. **POSTE PARISIEN**, Records. 12.15—Jean Marsac. 12.45—Interview. 12.50—Suzanne Marie Bertin and Marcel Veran. **PRAGUE**, "You and I" (contd.). Talks. **RADIO-NORMANDIE**, Folies Bergère. 12.30—Service. 12.45—News. **RADIO-PARIS**, Organ. 12.30—Religious Address, News. **ROME and TURIN**, News. 12.10—Variety. 12.40—Parody. **VIENNA**, Orchestra; Violin. **WARSAW**, Reading, Orchestra (contd.).

1 p.m.

BERLIN, Discussion. 1.15—Light Music. **BEROMÜNSTER**, Poland in Song and Dance. **BRESLAU**, News, For Women, Call of Youth. 1.50—Variety. **BRUSSELS (1)**, News. 1.10—Light Music. **BRUSSELS (2)**, News, Records. **COLOGNE**, For Children. 1.30—"Das Lied von der Treue." **DEUTSCHLANDSENDER**, For Children. 1.30—Organ Fantasias. **FRANKFURT**, See Stuttgart. 1.45—Talk. **HAMBURG**, Plays for Children. 1.55—Schubert Songs. **HILVERSUM (1,875 m.)**, Light Music. 1.40—Talk. **HILVERSUM (301.5 m.)**, K.R.O. Orchestra. 1.40—Doctrine Lesson. **KALUNDBORG**, Records, Reading, For Children. **KÖNIGSBERG**, Chess Talk. 1.30—Peasant Song. **LEIPZIG**, 1.5—Talk. 1.25—"Wit"—Sequence. 1.50—Clarinet Sonata (Camillo Schumann). **MUNICH**, For Children. 1.45—Talk. **PARIS (PTT)**, Sports, News. 1.30—Light Music and Dance Music. **POSTE-PARISIEN**, Suzanne-Marie Bertin and Marcel Veran, Records. **PRAGUE**, Ski-ing Championships Report, Talk. **RADIO-NORMANDIE**, Popular Music. **RADIO-PARIS**, Padeloup Concert Orchestra, Songs. **ROME**, Parody (contd.). 1.15—Talks, Reading, Music. **STOCKHOLM**, Symphony Concert. **STUTTGART**, For Children. 1.45—Talk. **TURIN**, 1.0-1.15—See Rome. **VIENNA**, Orchestra, Violin. 1.20—Austrian Ski-ing Championship Report, News.

2 p.m.

BERLIN, Light Music, Debate. **BRESLAU**, Variety, Play for Children. **BRUSSELS (1)**, Jocs (Organ). 2.45—Haydn Records. **BRUSSELS (2)**, Records. **COLOGNE**, Guessing Competition. 2.20—See Hamburg. **DEUTSCHLANDSENDER**, Organ Fantasias, Chess. 2.20—See Hamburg.

FRANKFURT, For Country People. **HAMBURG**, Schubert Songs. 2.20—Emsland Labour Service Report. **HILVERSUM (1,875 m.)**, Talk (contd.). 2.10—A.V.R.O. Orchestra. Conductor: van Raalte. Titi Firmin (Songs). 2.40—Records. **HILVERSUM (301.5 m.)**, Lesson (contd.). 2.10—Records. 2.40—Band. **KALUNDBORG**, For Children. 2.25—Popular Concert. Orchestra; Choir. **KÖNIGSBERG**, For Women. 2.30—Pfte., Talk. **LEIPZIG**, Sonata (contd.). Talks. **MUNICH**, 2.5—Armin Knab Recital, Talk. **PARIS (PTT)**, Two Musical Sketches. **POSTE PARISIEN**, Rugby Match Report. **RADIO-NORMANDIE**, Football Match Report. **RADIO-PARIS**, Bilboquet. 2.15—Songs and Monologues. **STOCKHOLM**, Concert (contd.). Talk. **STUTTGART**, Chamber Music. 2.30—Christian Knayer Music. **VIENNA**, Books. 2.20—Chamber Music (Haydn, Malipiero).

3 p.m.

ATHLONE, Variety. **BRATISLAVA**, Foerster Songs, Dance Music. **BRUSSELS (1)**, Concert from Charleroi Conservatoire. Conductor: Quintet (Weber, Sarly, Beethoven, Bach, Wagner). **BRUSSELS (2)**, Hot Jazz. **BUDAPEST (1)**, Cigany Band. **COLOGNE and GERMAN STATIONS**, Variety. **DEUTSCHLANDSENDER**, Band. **HILVERSUM (1,875 m.)**, Records. 3.40—Talk. **HILVERSUM (301.5 m.)**, Band, Talk, Records. **KALUNDBORG**, Concert (contd.). **LEIPZIG**, Light Music. **OSLO**, 3.10—Folk Music, Talk. **PARIS (PTT)**, Concert. **POSTE PARISIEN**, Rugby Match (contd.). **PRAGUE**, See Bratislava. **RADIO-NORMANDIE**, Football Report (contd.). Light Music. **RADIO-PARIS**, For Young People. **ROME and TURIN**, Records, Sports, Asmara Relay in the interval. **STOCKHOLM**, Vocal quartet, Reading. **VIENNA**, 3.5—Report: A Peasant Carnival, Talk for Boys.

4 p.m.

ATHLONE, Records. **BERLIN**, Variety. **BEROMÜNSTER**, Talk. 4.30—Schumann Songs. **BRATISLAVA**, Dance Music, Slovak Programme. **BRUSSELS (1)**, Concert (contd.). **BRUSSELS (2)**, Radio Orchestra, Violin. **BUDAPEST (1)**, Orchestra. **COLOGNE and GERMAN STATIONS**, Variety. **DEUTSCHLANDSENDER**, Band. **HILVERSUM (1,875 m.)**, Talk (contd.). 4.10—Dance Music. 4.35—Sports, Records. **HILVERSUM (301.5 m.)**, Records. 4.10—For Invalids. 4.40—Service. **KALUNDBORG**, Service. **LEIPZIG**, Light Music. **OSLO**, "Major Barbara" (Shaw). **PARIS (PTT)**, Concert. 4.30—Sketch. **POSTE PARISIEN**, Rugby Match (contd.). Records. **PRAGUE**, See Bratislava, Talk. 4.35—Ski-ing Report. 4.45—Orchestra and Songs (Berg, Mozart). **RADIO-NORMANDIE**, Tea-Time Hour. 4.45—Children's Corner. **RADIO-PARIS**, "Harmonie"—Play (Duvernois). **ROME and TURIN**, Augusteo Concert. **STOCKHOLM**, 4.5—Sonata in A minor (Beethoven), Reading. **VIENNA**, For Boys. 4.10—Light Music, Choir, Orchestra. **WARSAW**, Dance Band, Snapshots.

5 p.m.

BERLIN, Sketch with Music. 5.45—Bob-Sleighting Report. **BEROMÜNSTER**, Talks, Records. **BRUSSELS (1)**, Orchestra. Saxophone, Accordion. **BRUSSELS (2)**, Orchestra. **BUDAPEST (1)**, Ice Hockey Match Report. 5.30—Orchestra. **COLOGNE and BRESLAU**, Introduction, "Tristan und Isolde." 5.15—Act I, "Tristan und Isolde" (Wagner). Conductor, Buschköter. **DEUTSCHLANDSENDER**, Sports Reports. 5.30—Request Programme—Bands and Soloists. **FRANKFURT**, Play. 5.30—Literary Sequence (Emil Strauss). **HAMBURG**, Play. 5.40—Peasant Band. **HILVERSUM (1,875 m.)**, Records, Talk. 5.40—Songs. **HILVERSUM (301.5 m.)**, Service (contd.). **KALUNDBORG**, Service (contd.). Talk. **KÖNIGSBERG**, Reading. 5.20—Variety.

LAHTI, 5.45—Inauguration of the New Lahti Station—Finlandia (Sibelius), Talk. **LEIPZIG**, Talk. 5.15—See Cologne. **MOSCOW**, 5.15—Orchestra. **MUNICH**, "A Peasant Wedding in Lower Bavaria" Sketch. **OSLO**, "Major Barbara" (contd.). **PARIS (PTT)**, Claude Ysel and Jean Sorbier (Songs), Jeanne Leleu (Pfte.). Television. **POSTE PARISIEN**, Records. **PRAGUE**, Orchestra (contd.). 5.25—Address in German by the Cardinal Archbishop of Prague, Motet (Arch), German News. **RADIO-NORMANDIE**, Light Music. 5.45—Dance Music. **RADIO-PARIS and STRASBOURG**, Padeloup Concert from the Opéra-Comique. "Requiem" (Verdi), Paris Philharmonic Choir, Conductor: Wolff. **ROME, TURIN, Augusteo Concert** (contd.). **SOTTENS**, Opera Records. **STOCKHOLM**, Service. **STUTTGART**, "Die gotische Rose"—Sequence. 5.30—"The Story of the lovely Melusina"—Play with Music. **VIENNA**, Light Music, Talk. **WARSAW**, Spanish Pfte. Music. 5.30—Play Excerpt (Calderon).

6 p.m.

BERLIN, Peter Quartet (Haydn, Beethoven), Sports. **BEROMÜNSTER**, Sports, Talk. 6.30—"The Aar"—Sequence. **BRUSSELS (1)**, Records. 6.30—"La rente viagère"—One-Act Play (d'Harville). **BRUSSELS (2)**, Jeannette Ysaye (Violin), Jenny Solheid (Pfte.) (Handel, Paganini, Bach, Saint-Saëns). 6.45—Address. **BUCHAREST**, News. 6.15—Jazz Band. **BUDAPEST (1)**, Orchestra, Sports. 6.45—Play (Krog-Beke). **COLOGNE, BRESLAU**, Act I, "Tristan und Isolde" (contd.). 6.45—**DEUTSCHLANDSENDER**, Request Programme (contd.). **FRANKFURT**, 6.5—Folk Music. **HAMBURG**, Report Sports. 6.45—See Leipzig. **HILVERSUM (1,875 m.)**, Service. **HILVERSUM (301.5 m.)**, Service (contd.). 6.10—Choir. 6.55—Sacred Music Records. **KALUNDBORG**, News. 6.30—Talk. **KÖNIGSBERG**, Anecdotes. 6.20—Serenades. 6.45—Ski-ing Championship Report. **LAHTI**, Inauguration Programme (contd.). 6.5—Pfte. 6.25—Humorous Programme. 6.55—Songs. **LEIPZIG**, See Cologne. 6.45—Bob-Sleighting Fours Championship Report. **MOSCOW**, Orchestra. **MUNICH**, Sketch (contd.), Books, Sports, Records, Talk. **OSLO**, "Major Barbara" (contd.). 6.10—News, Talk. **PARIS (PTT)**, Television, News, Topical. **POSTE PARISIEN**, Records. **PRAGUE**, News. 6.5—Orchestra, Talk. **RADIO-NORMANDIE**, Light Music. 6.30—Songs. **RADIO-PARIS**, "Requiem" (Verdi) (contd.). **ROME, TURIN**, Football. 6.25—News. **SOTTENS**, Opera Records, Sports. **STOCKHOLM**, Service (contd.). 6.15—News, Talk. **STUTTGART**, "The Story of the lovely Melusina" (contd.). 6.15—Sequence. **TOULOUSE**, Light Music, News. **VIENNA**, Announcements. 6.10—Linz Transmitter Inauguration—Organ. 6.30—Talk, Reading. 6.55—Festival Concert (Franz Müller, Mozart, Bruckner). **WARSAW**, Announcements, Talk.

7 p.m.

BERLIN and STUTTGART, "The Strauss Dynasty." **BEROMÜNSTER**, "The Aar" (contd.). **BRUSSELS (1)**, Address, Records, Music Review. **BRUSSELS (2)**, Dukas Records, Music Review. **BUCHAREST**, "Gay Vienna"—Orchestra and Soloist. **BUDAPEST (1)**, Play (contd.). **COLOGNE and BRESLAU**, Classical Pfte. Music. 7.35—Act II, "Tristan und Isolde" (Wagner). **DEUTSCHLANDSENDER**, Request Programme (contd.). **FRANKFURT**, Musical Guessing Competition (arr. Rosbaud). **HAMBURG**, Popular Concert. Conductors: Graener and Maasz. **HILVERSUM (1,875 m.)**, Service (contd.). Speaking Choir. 7.40—News. 7.55—"A January Potpourri." **HILVERSUM (301.5 m.)**, Sacred Music Records, Talk. **KALUNDBORG**, Marches and Waltzes. 7.20—Sketch. 7.30—Film Relay. 7.50—Old Revue Music. **KÖNIGSBERG**, Variety. **LAHTI**, Inauguration Programme (contd.)—Songs, Talk. 7.25—"Un soir à Helsinki." **LEIPZIG**, Classical Concert.

MONTE CENERI, 7.0 Variety. 7.30—Hawaiian Music. **MUNICH**, "Faust" (Gounod). **OSLO**, Station Orchestra. **PARIS (PTT)**, Topical. 7.45—Variety. **POSTE PARISIEN**, News, Sports, Talks, Opera Records. **PRAGUE**, 7.5—Symphony Concert. Czech Philharmonic. Conductor: Jirak (Haydn, Mahler). **RADIO-NORMANDIE**, Light Music. **RADIO-PARIS**, Mme. Sevrave and René Charles (Songs). 7.30—Bilboquet. **RADIO-ROMANIA**, See Bucharest. **ROME**, Variety. 7.20—Talk. 7.35—"Fuorimoda"—Comedy (Lopez, Possenti). **SOTTENS**, Chamber Music (Jongen, Pierné, Fournier, Milhaud). 7.55—News. **STOCKHOLM**, "Strauss to Lehár"—Potpourri (Hrubý). **TOULOUSE**, Operetta Music, News, Duets. **TURIN**, See Rome. 7.35—"Aida" (Verdi). **VIENNA**, Festival Concert (contd.). **WARSAW**, Opera and Operetta Songs and Duets. 7.50—News.

8 p.m.

ATHLONE, Ennis Broadcast. 8.35—"Wild Flowers from the Boreans." 8.55—Australia Day—The Irish in Australia. **BERLIN and STUTTGART**, Riding Tournament Report, "The Strauss Dynasty" (contd.). **BEROMÜNSTER**, News. 8.10—Popular Concert. **BRUSSELS (1)**, "Messaline"—Opera (de Lara). 8.53—Records. **BRUSSELS (2)**, Symphony Orchestra. Conductor: André; Minne Bolotine (Songs). Sketch in the interval. **BUCHAREST and RADIO-ROMANIA**, "Gay Vienna" (contd.). **BUDAPEST (1)**, Play (contd.). News. 8.50—Ilonka Fehér (Violin); Ella Némethy (Songs). **COLOGNE and BRESLAU**, Act II, "Tristan und Isolde" (contd.). **DEUTSCHLANDSENDER**, Request Programme (contd.). **EIFFEL TOWER**, 8.30—Records. **FRANKFURT**, Musical Guessing Competition (contd.). **HAMBURG**, Popular Concert (contd.). **HILVERSUM (1,875 m.)**, Potpourri (contd.). 8.35—News. 8.50—A.V.R.O. Orchestra. Conductor: Van Raalte, Jelly d'Aranyi (Violin). **HILVERSUM (301.5 m.)**, K.R.O. Melodists, Records. 8.40—Ladies' Choir, Records. **KALUNDBORG**, Old Revue Music. 8.10—Ballet Rehearsal. 8.40—Trio (Hummel). **KÖNIGSBERG**, Variety. **LAHTI**, Inauguration Programme (contd.). News, Choir, Foreign Affairs. Sibelius Music. **LEIPZIG**, Concert (contd.). **MONTE CENERI**, Eastern and Hawaiian Music, Records. **MOSCOW**, Play in German. **MUNICH**, 8.5—"Faust" (contd.). 8.50—News. **OSLO**, Reading. 8.20—Singing Songs. 8.40—News. **PARIS (PTT)**, Variety, Sports. 8.30—Variety. **POSTE PARISIEN**, Opera Records. 8.15—"Le pain quotidien"—Three Act Play (Sonal, Trebla). **PRAGUE**, Concert (contd.). **RADIO-NORMANDIE**, News. 8.10—Opera Music. **RADIO-PARIS**, Two Detective Plays. 8.30—Press Review. 8.45—Two German Plays. "Discipline" (von Conring); "Hanneles Himmelfahrt" (Gerhart Hauptmann). **ROME**, "Fuorimoda" (contd.). **SOTTENS**, News. 8.5—"The Polish Jew"—Drama (Eckmann-Chatrian). **STOCKHOLM**, "From Strauss to Lehár" (contd.). Poems. 8.45—News. **STRASBOURG**, 8.30—See Paris (PTT). **TOULOUSE**, Light Music. **TURIN**, "Aida" (contd.). **VIENNA**, Festival Concert (contd.). **WARSAW**, Popular Programme, Talk.

9 p.m.

ATHLONE, "Australia Day" (contd.). 9.10—Celtic Suite (Foulds). 9.30—Variety. **BERLIN**, News. 9.20—Figure Skating Championship. 9.30—Music. 9.45—See Hamburg. **BEROMÜNSTER**, Popular Concert. 9.15—Sports. **BRESLAU**, News. 9.20—See Berlin. 9.35—See Cologne. **BRUSSELS (1)**, "Messaline" (contd.). Record, News. **BRUSSELS (2)**, Orchestra (contd.). **BUCHAREST and RADIO-ROMANIA**, "Gay Vienna" (contd.). **BUDAPEST (1)**, Violin and Songs (contd.). **COLOGNE**, News. 9.20—See Berlin. 9.35—Act III, "Tristan und Isolde" (Wagner). **DEUTSCHLANDSENDER**, News, Request Programme (contd.).

EIFFEL TOWER, Records. **HAMBURG and FRANKFURT**, News, Sports. 9.45—Light Music and Dance Music. **HILVERSUM (1,875 m.)**, Orchestra and Violin (contd.). 9.30—Radio Magazine. **HILVERSUM (301.5 m.)**, K.R.O. Orchestra. 9.50—Records. **KALUNDBORG**, News, Ensemble. 9.25—Sailor Songs. 9.40—Ensemble. **KÖNIGSBERG**, News, 9.20—Scenes from "Scipio" (Haushofer). 9.45—See Hamburg. **LAHTI**, Inauguration Programme (contd.)—Songs, Orchestra, Harp. **LEIPZIG**, News. 9.20—See Berlin. 9.30—Light Music. 9.45—See Hamburg. **MOSCOW**, 9.5—Review (English); Questions and Answers (English). **MUNICH**, 9.5—"Faust" (contd.). **OSLO**, Talk, Sports. 9.30—Records. **PARIS (PTT)**, and **STRASBOURG**, Variety. **POSTE PARISIEN**, "Le pain Quotidien" (contd.). **PRAGUE**, News. 9.35—Dance Music. 9.45—Report: The Monte Carlo Rally from the Control Point at Kosice. **RADIO-NORMANDIE**, Opera Music, Interview, Organ, Italian Music. **RADIO-PARIS**, Plays (contd.). **ROME**, Dance Music. **SOTTENS**, "The Polish Jew" (contd.). **STOCKHOLM**, Music. **STUTTGART**, News. 9.25—Bob-Sleighting Report. 9.45—See Hamburg. **TOULOUSE**, Fantasy. 9.35—Hunting Horns. **TURIN**, "Aida" (contd.). **VIENNA**, News. 9.20—Austrian Ski-ing Championships. 9.25—Mareel Wittrich (Tenor). **WARSAW**, Dance Band.

10 p.m.

ATHLONE, Variety. 10.30—What happened to-day, Light Music. **BRUSSELS (1)**, News. 10.6—"Messaline" (contd.). 10.35—Records. 10.50—"Messaline" (contd.). **BRUSSELS (2)**, Orchestra (contd.). 10.30—News. 10.40—Dance Music. **BUCHAREST**, News. **BUDAPEST (1)**, Cigany Band. **COLOGNE and BRESLAU**, Act III, "Tristan und Isolde" (contd.). **DEUTSCHLANDSENDER**, Request Programme (contd.). **HAMBURG, BERLIN, FRANKFURT, KÖNIGSBERG, LEIPZIG, STUTTGART**, Light Music and Dance Music. **HILVERSUM (1,875 m.)**, Radio Magazine (contd.). 10.10—Records. 10.40—News. 10.50—Dance Music. **HILVERSUM (301.5 m.)**, Ladies' Choir. 10.10—Announcements, Records. 10.20—Epilogue. 10.40—Espéranto Talk. **KALUNDBORG**, Dance Band. **LAHTI**, Inauguration Programme (contd.). Choir, Orchestra. **MOSCOW**, German Talk. **MUNICH**, Dance Music. **PARIS (PTT)** and **STRASBOURG**, Variety. 10.30—News. 10.45—Dance Music. **POSTE PARISIEN**, "Le pain quotidien" (contd.). 10.30—Records. **PRAGUE**, Dance Music. **RADIO-NORMANDIE**, Light Music. **RADIO-PARIS**, Two German Plays (contd.). 10.45—Dance Music. **ROME**, News. **TOULOUSE**, 10.5—Light Music; 10.35—News. **TURIN**, News. **VIENNA**, 10.5—Announcements. 10.20—Dance Music. **WARSAW**, 10.5—Dance Records.

11 p.m.

BERLIN, Band, Soprano. **BRUSSELS (1)**, "Messaline" (contd.). 11.12—Dance Records. **BRUSSELS (2)**, Dance Music. **HILVERSUM (1,875 m.)**, Dance Music. **HILVERSUM (301.5 m.)**, Talk (contd.). **KALUNDBORG**, Dance Music. **PARIS (PTT)** and **STRASBOURG**, Dance Music. **POSTE PARISIEN**, Records. **RADIO-NORMANDIE**, Light Music. **RADIO-PARIS**, Dance Music. 11.15—Light Music. **STUTTGART and FRANKFURT**, Serenade—Mozart Records. **TOULOUSE**, Light Music. **VIENNA**, Dance Music.

12 midnight

RADIO-NORMANDIE, Dance Music. **RADIO-PARIS**, Light Music. **STUTTGART and FRANKFURT**, Serenade (Schubert Music). **TOULOUSE**, Light Music, News.

1 a.m. (Monday)

RADIO-NORMANDIE, Dance Music.

2.0—Louis Joos (Organ). Prelude and Fugue in A minor (Bach). Largo (Vivaldi). Minuet (Plum). Song (Guilmant). Symphony in F minor (Widor). 2.45—Records: Excerpts, Lark Quartet (Haydn).

3.0—Concert from Charleroi Conservatoire. Conductor: Quinet. Dandois (Flute), Béthume (Violin), Maas (Pfte.). Overture, "Oberon" (Weber). Brandenburg Concerto (Bach). Suite brabançonne (Sarly). Rapsodie cosaque (Sarly). Pfte. Concerto in E flat (Beethoven). Excerpts, "Tristan and Isolde" (Wagner). Ride of the Valkyries (Wagner).

5.0—Orchestra. Conductor: Dejoncker. Bemers (Saxophone), Segers (Accordion). March (Brouvère). Overture, "The Italian Girl in Algiers" (Rossini). Scherzo (Deprez). Summer Gardens (Scott). Grossmütterchen (Langer). Accordion Solos. Revelation (Vetsy). Ballet Music, "Le Cid" (Massenet). In the interval at 5.30: Football Results. 6.0—Records.

6.30—"La rente viagère"—One-Act Play (d'Hervilliez). 7.0—Religious Address.

7.15—Records: Cigány Music. Czardas (Hubay). Two Songs. Mariska (Barch). 7.30—Music Review.

8.0-11.12—"Messaline"—Four-Act Opera (de Lara), from the Théâtre Français, Ghent. Conductor: De Préter. Cast: Mmes. Pérelli, Delmarcelle, de Vendeville, Varny and Elsy. MM. Leyns, Dumont, Renier, Veekman, Jacob, Forti, Bastin, Coussart, Bonnaud, Colard, Leroy, De Baets, Lambrecht, Buyck and Bertor. In the interval at 8.53-9.13: Records: Aubade (Poulenc); at 9.51-10.6: Record: Etude en forme de valse (Saint-Saëns); News, and at 10.35-10.50: Record:

Pfte. Variations on a Beethoven Theme (Saint-Saëns). 11.12-12.0 m't—Dance Records.

BRUSSELS (No. 2) (Belgium)
932 kc/s (321.9 m.); 15 kW.
Programme in Flemish.
6.37-9.0 a.m.—Records; Gym.; News.
9.0—Records (Tchaikovsky).
10.0—Orchestra and Soloists. 10.45—Flemish Songs. 11.15—Records. 12.0 noon—Alexys Orchestra. 1.0 p.m.—News. 1.10—Records. 2.0—Records. 3.0—Hot Jazz.

4.0—Radio Orchestra. Conductor: Douliez. Misson (Violin). Overture, "Abu Hassan" (Weber). Two Aubades (Lalo). Excerpts, "Dalibor" (Smetana). Violin and Orchestra: Waltz Scherzo (Tchaikovsky). Summer Days (Coates). Suite, "Ascanio" (Saint-Saëns).

5.0—Germaine Ego Orchestra. In the interval at 5.30: Sports.

6.0—Jeannette Ysaye (Violin) and Jenny Solheid (Pfte.). Sonata in D (Handel).

Caprice (Paganini-Kreisler). Prelude (Bach-Kreisler). Rondo capriccioso (Saint-Saëns).

6.45—Address by the Rev. Fr. Salsmans, S.J.

7.0—Dukas Records. La Péri. L'apprenti sorcier. 7.30—Music Review.

8.0—Symphony Orchestra. Conductor: André. Minne Bolotine (Songs). Old Flemish Songs arr. for Brass Instruments (van Hoof). Flemish Rhapsody (Brusselmans). Concerto (Lalo). Esquisse d'un humoriste (Kazacsay).
Songs: (a) Mijn moederspraak (Benoit), (b) The Dreary Steppe (Gretchaninov). American Panorama (Amphiteatrof). Fourth Symphony (Roussel). In the interval: "Yagersbluf"—Sketch (Marie van Dessel-Poof).

10.30—News. 10.40-12.0 m't—Dance Music by Joë Heyne and his Boys from the Shanghai.

BUCHAREST (Romania)
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SUNDAY (January 26)

by Radio-Romania (Brasov), 160 kc/s (1,875 m.).
Transmits at intervals from 9.30 a.m.

12.30 p.m.—Dinico Orchestra.
3.0—For Peasants. 3.15—Romanian Music by Dogru (Dacophone). 3.45—For Peasants. 4.0—Romanian Folk Music. Matache Orchestra. 5.0—Talk. 5.15—Radio Jazz Band. In the interval at 6.0: News.
7.0—"Gay Vienna"—Radio Orchestra, with Mme. Kozen. 10.0—News.

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

8.30 a.m.—News. 9.0—Mass. 10.15—Protestant Service.

11.30—Budapest Concert Orchestra. Conductor: Vaszy. 1.0 p.m.—Records. 2.0—For Farmers. 2.50—Csorba Cigány Band. 3.30—Programme by Cecil Bognár. 4.0—Budapest Salon Orchestra. 5.0—Report: The Austria v. Hungary Ice-Hockey Match (on Records).

5.30—Symphony Orchestra. Conductor: Melles. Rakoczy Overture (Kéler-Béla). Selection, "La Traviata" (Verdi). Waltz, "The Count of Luxembourg" (Lehár). The Mill in the Black Forest (Eilenberg). Selection, "Die Fledermaus" (Strauss). Valse triste (Vecsey). Czardas (Hubay).

6.30—Sports. 6.45—Play (Krog-Beke). 8.35—News.

8.50—Ilonka Fehér (Violin); Ella Némethy (Songs). 10.0—Farkas Cigány Band. 11.5—News.



The recently opened Deutschlandhalle, from which several German stations relay a commentary at 9.20 p.m.

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SUNDAY (January 26)

BUDAPEST (No. 2) (Hungary)

359.5 kc/s (834.5 m.); 20 kW.
2.0 p.m.—Records. 3.35—Csorba Cigány Band. 5.5—Budapest Concert Orchestra. 6.0—Endre Koravek. 7.0—Beszkart Orchestra. Conductor: Müller. 8.50—Dance Records.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW.
5.0 a.m.—See Hamburg. 7.0—Weather; Water Level. 7.5—Surprise Programme. 8.15-8.45—Moritz Arndt Commemoration. 9.0—Light Music. Station Chamber Orchestra and Soloists. 10.30—See Leipzig. 11.0—See Hamburg. 11.55—Greetings. 12.0 noon—A Word to Listeners! 12.10 p.m.—Concert from Berlin. 1.0—For Children. 1.30—Das Lied von der Treue. 2.0—Guessing Competition. 2.20—See Hamburg. 3.0—Variety. Small Station Orchestra—Conductor: Eysoldt. Station Schrammel Band and Soloists. 5.0-10.50—"Tristan and Isolde"—Opera in Three Acts (Wagner). Station Orchestra, Male Voice Choir and Soloists. Conductor: Buschkötter. 5.0—Introduction. 5.15—Act I. 6.45—Sports. 7.0—Classical Pfte. Music by Hans Haass. 7.35—Act II. 9.0—News. 9.20—See Berlin. 9.35-10.50—Act III.

DEUTSCHLANDSENDER (Germany)

191 kc/s (1,571 m.); 60 kW.
5.0 a.m.—See Hamburg. 7.0—For Farmers. 8.0—Records, with the Fröhlich Band. 9.0—Address. 9.45—Die Hunnenschlacht (Liszt) on Records. 10.0—Poems. 10.30—See Leipzig. 11.0—See Hamburg. 12.0 noon—Greetings. 12.10 p.m.—Concert from Breslau. 1.0—For Children. 1.30—Organ Fantasias. 2.10—Chess Talk. 2.20—See Hamburg. 3.0—Light Music—Lehmann Band. In the interval: Women's Figure-Skating Championship Report from the Sportpalast. 5.0—Sports Reports: (a) The International Figure-Skating Championship in the Sportpalast, (b) The Bob-Sleigh Championship in Oberhof. 5.30-11.0—Request Programme. Otto Dobrindt, Robert Gaden, Barnabas von Gecky and Krüger Bands; Jung-herr Accordionists; Band—Conductor: Ahlers; Carl Woitschach Band; the "Accordionists" and Others. In the interval at 9.0: News.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Relayed by Cassel, Coblenz, Freiburg, Kaiserslautern, and Trier, 1,195 kc/s (251 m.).
5.0 a.m.—See Hamburg. 7.0—Weather; Gym. 7.45—Organ Chorals. 8.0—Protestant Service. 8.45—Talk. 9.0-9.45—See Deutschlandsender. 9.45—Choir. 10.15—Hermann Eris Busse reads. 10.30—"Folk Songs"—Sequence (arr. Müller-Blattau). 11.0—See Berlin. 1.0 p.m.—See Stuttgart. 1.45—Talk: Grumblers. 2.0—For Country People. 3.0—See Cologne. 5.0—"A Memorable Flight"—Play (Grohmann). 5.30—"Menschenwege"—Literary Sequence (Emil Strauss). 6.5 (from Cassel)—Folk Music by the Cassel Orchestra. Songs of our Mother's Days (Borchert). Paraphrase, Aus der Jugendzeit (Radecke). Fantasia (Licht-Löhr). Potpourri, Volk im Lied (Robrecht). Variations, Was kommt dort von der Höh (Suppé). 6.50—Sports. 7.0—Musical Guessing

Competition (arr. Hans Rosbaud). 9.0—News. 9.15—Weather; Local News. 9.25—Sports. 9.45—See Hamburg. 11.0-1.0 a.m. (Monday)—See Stuttgart.

HAMBURG (Germany)

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

Ems Programme.

5.0 a.m.—Harbour Concert. 7.0—News. 7.20—Gym. 7.45—Art Review. 8.0 (from Hanover)—Symphony Orchestra. 9.0—See Leipzig. 9.30-10.0—Meditation. 10.25—Folk Songs by the

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(Vienna, 6.10 p.m.)



Bremen Cathedral Choir. Conductor: Liesche. 11.0 (from Bremen)—Army Marches. Papenburg Military Band. Conductor: Hagen. 11.55—Weather. 12.5 p.m.—Concert from Berlin. 1.0—Two Plays for Children. 1.55—Schubert Songs, by Carl Momberg. 2.20—Report: A Day with the Labour Service in Emsland. 3.0—See Cologne. 5.0—"Die Brennhexe"—Play (Zottmann). 5.40—Peasant Band. 6.0—Report: The Labour Service Centre at Clemenswerth. 6.30—Weather; Sports. 6.45—See Leipzig.

7.0—Popular Concert from the Musikhalle. Station Orchestra. Conductors: Paul Graener and Gerhard Maasz. Käthe Heidersbach (Soprano) and Walthar Ludwig (Tenor). Prelude, "Schirin und Gertraude" (Graener). Tenor Songs (Graener): (a) Nachtgedanken, (b) Behandelt die Frauen mit Nachsicht, (c) Gegenwart, (d) Blumen-gruss. Tanzfantasie (Weismann). Soprano: Cavatina (Weber). Ballet Music, "Rosamunde" (Schubert). Duet, "The Seraglio" (Mozart). Comedy Overture (Busoni). Heiteres Spiel (Blumer). Soprano Songs. Die Flöte von Sanssouci—Suite (Paul Graener). Tenor Aria, "Eugène Onegin" (Tchaikovsky). Polovtsian Dances (Borodin). 9.0—News. 9.25 (from Hanover)—Sports Report. 9.45-11.0—Light Music and Dance Music. Station Dance Band—Conductor: Gebhardt. Gregor and Beckmann (Pftes.).

HILVERSUM (1,875 m.) (Holland)

160 kc/s; 10 kW until 2.40 p.m.; 100 kW from 2.40 p.m.

8.40-11.25 a.m.—V.A.R.A. Programme. 8.40—Records; Football Notes; Talk. 9.10—Records. 9.25—Talks; Records; Recitations.

10.15—Dutch String Quartet. 10.50-11.25—Talk.

11.40-4.40 p.m.—A.V.R.O. Programme. 11.40—Talk.

12.10 p.m.—Light Music by the Cantabile Orchestra. Conductor: Beekman. Records in the interval. 1.40—Talk: Books.

2.10—A.V.R.O. Orchestra. Conductor: Albert van Raalte. Titi Firmin (Songs). 2.40—Records. 3.40—Talk. 4.10—

Dance Music by the A.V.R.O. Decibels. Conductor: Eddy Meenk. 4.35—Sports.

4.40-5.40—V.A.R.A. Programme. 4.40—Records. 5.10—Talk; Announcements; Records.

5.40-7.30—V.P.R.O. Programme: Songs; Service; Speaking Choir. 7.40 till Close Down—A.V.R.O. Programme. 7.40—News. 7.55—A January Potpourri. Kovacs Lajos and his Orchestra, the A.V.R.O. Girls and Hilde Jager (Songs). 8.35—News.

8.50—A.V.R.O. Orchestra. Conductor: Albert van Raalte. Jelly d'Aranyi (Violin). 9.30—Radio Magazine. 10.10—Records. 10.40—News.

10.50-11.40—Dance Music. A.V.R.O. Decibels. Conductor: Eddy Meenk.

HILVERSUM (301.5 m.) (Holland)

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

8.10 a.m.—N.C.R.V. Programme: Salvation Army Service.

9.10-4.40 p.m.—K.R.O. Programme. 9.10 a.m.—Concert. 9.55—Mass. 11.40—Records. 11.55—K.R.O. Orchestra. Conductor: v. 't Woud. In the intervals: Records. 1.40 p.m.—Religious Instruction. 2.10—Records. 2.40—St. Francis' Band. Conductor: v. Oosten. In the interval at 3.10: Talk. 3.55—Records. 4.10—For Invalids.

4.40-7.25—N.C.R.V. Programme. 4.40—Service. 6.10 (approx.)—"Loof den Heer" Choir. Conductor: Ketel. 6.55—Records: Sacred Music.

7.25 till Close—K.R.O. Programme.

7.25—Announcements; Talk. 8.0—K.R.O. Melodists. Conductor: Lustenhouwer. 8.30—Records. 8.40—Ladies' Choir. Conductor: Mlle. de Haas. 8.50—Records. 9.0—K.R.O. Orchestra. Conductor: van 't Woud. 9.50—Records. 10.0—Choir (contd.). 10.10—Announcements; Records. 10.20—Epilogue. 10.40-11.10—Esperanto Talk.

JUAN-LES-PINS (Radio Côte d'Azur) (France)

1,249 kc/s (240.2 m.); 0.8 kW.

12.15 p.m.—Light Music. 1.0—News. 1.15—"Visite de Coloquinte"—Sketch (Bigot). 1.30—Variety. 2.0—Protestant Service. 6.15—Records. 6.30—Humorous Programme. 7.0—Operetta and Opera Music by the Radio Orchestra. 7.25—Announcements; For Children. 7.30—Roman Catholic Service. 8.0—News; Sports. 8.30—Light Music. 9.0—News. 9.15—Request Programme. 10.15—News. 10.30—Light Classical Concert. 11.0—Tunes of the Times. 11.30—Instrumental Half-Hour. 12.0 m't-1.0 a.m. (Monday)—Dance Music.

KALUNDBORG (Denmark)

238 kc/s (1,261 m.); 60 kW. Relayed by Copenhagen, 1,176 kc/s (255.1 m.).

7.0 a.m.—Gym. 7.35—Weather. 8.15-8.45—For Gardeners. 9.0—Service from the Garrison Church. 10.28—Weather. 10.40—News.

11.0—Radio Orchestra. Conductor: Reesen. Overture, "Iphigenia in Aulis" (Gluck). Eine kleine Nachtmusik (Mozart). Intermezzo in E flat (Brahms). Overture, "A Midsummer Night's Dream" (Mendelssohn). Emperor Waltz (Strauss).

12.0 noon—English Lesson. 12.20 p.m. German Talk: The German Academy. 12.40—French Reading. 1.0—Records. 1.30—Reading. 1.55—For Children: Talk; Pfte. Music.

2.25—Thirteenth People's Concert from the State Broadcasting Building. Radio Symphony Orchestra and Male Voice Choir. Conductor: Grøndahl. Christensen (Trumpet), Dietzmann (Cello), and Palmhøj (Violin). Overture, "Ilka" (Doppler). Divertissement (Suppé). Hungarian Rhapsody (Popper). Skan er Selinde (Kuhlau). Drinking Song (Kuhlau). "A Peasant Wedding"—Song Cycle (Söderman). Souvenir de Moscou (Wieniawski). Overture, "Ruy Blas" (Mendelssohn).

4.0—Service for the Unemployed from Christiansborg Castle Church. 5.20—Talk: In a Danish "Chacra" in the Argentine. 5.50—Weather. 6.0—News; Sports. 6.30—Talk: Instinct and Reason in Animals.

7.0—Marches and Waltzes—Albech's Wind Ensemble. 7.20—"The Hansen Family"—Sketch (Locher). 7.30—Part Relay, "Broadway Melody 1936"—Film.

7.50—Ensemble (contd.)—Old Revue Music. 8.10—Report: Rehearsing a Ballet.

8.40—Trio in E flat (Hummel). 9.0—News. 9.10—Wind Ensemble (contd.). 9.25—Sailor Songs by Inge Bock. 9.40—Ensemble (contd.). 10.0-11.30—Petersen Dance Band.

KÖNIGSBERG (Heilsberg) (Germany)

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. 7.20—A Visit to a Beekeeper. 8.0—Protestant Service.

9.0-9.30—See Leipzig. 10.0—Talk: The Frobenius Exhibits in Königsberg Castle. 10.10—Talk: Feeding Birds.

10.30—Quartet: Besinnliche Musik (Alfred Lorenz).
11.0-1.0 p.m.—See Berlin. 1.0—Chess Talk. 1.30—Peasant Music. 2.0—For Women. 2.30—Ernst Rudolph (Pfte.). 2.45—Topical.

3.0—See Cologne. 5.0—Dialect Reading (Schloemp). 5.20—Variety. 6.0—Anecdotes about General von Zieten. 6.20—Serenades. Prof. Paul Lohmann (Baritone); Winkler (Pfte.). Weh, ich hab' gedacht (Rügen). Nun sich der Tag geendet hat (Krieger). Duster liegt die Nacht (Neefe). Liebes Mädchen, hör mir zu (Haydn). An die Laute (Schubert). Komm in die stille Nacht (Schumann). Two Serenades (Brahms). Ein Ständchen Euch zu bringen (Wolf). Gute Nacht (Mattiesen).

6.45—Report from Passenheim: The East German Ski-ing Championship. 7.0—Variety Concert from the Stadthalle. Station Orchestra. Conductor: Wilcken; Larssen (Saxophone); the Völkner Duettists; Evanel (Mandoline); Siegbert and Schmidt (Comedians); Dameroff (Xylophone). 9.0—News.

9.20—Scenes from Albrecht Haushofer's "Scipo."
9.45-11.0—See Hamburg.

LAHTI (Finland)

166 kc/s (1,807 m.); 150 kW. Relayed by Helsinki, 895 kc/s (335.2 m.)

Transmits at intervals from 6.55 a.m. 5.45 till Close Down—Programme for the Inauguration of the New Lahti Station (150 kW).

5.45—Finlandia (Sibelius). Station Orchestra. Conductor: Linko. 5.55—Talk. 6.5—Linko (Pfte.). 6.25—Humorous Programme. 6.55—Ikonen (Songs). 7.10—Talk. 7.25—Un soir à Helsinki (arr. Alexis af Enehjelm). 8.0—News (Finnish, Swedish). 8.15—Choir. 8.30—Review of Foreign Affairs. 8.50—Adagio da molto from the String Quartet, Voces Intimae (Sibelius). 9.0—Songs.

9.15—Station Orchestra. Conductor: Haapanen. 9.50—Finnish Melodies (arr. Hannikainen) by the Composer (Harp).

10.0—Choir and Station Orchestra.

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—Strobach (Organ). 7.30—Dresden Vocal Quartet. 8.0-8.45—Readings; Music. 9.0—For Hitler Youth. 9.30—Leipzig Instrumental Quartet and Erich Neumann (Organ) from the Capitol.

10.30—"Geist und Seele wird verwirret"—Cantata (Bach). Gewandhaus Orchestra; St. Thomas' Choir. Conductor: Straube; Lore Fischer (Contralto); Friedrich Högnner (Organ); Friedbert Sammler (Harpsichord).

11.0—Light Music from Oberhof; Thuringia. Wind Band. Conductor: Schwenke; Heinz Fuchs Ensemble. In the interval: Commentary on the Bob-Sleighing-Fours Championship in Oberhof. 1.0 p.m.—Weather. 1.5—Talk: The Kurmark Peasant. 1.25—"Wit"—Literary and Musical Sequence (Kath). 1.50 (from Dresden)—Clarinet Sonata (Camillo Schumann) by Karl Schütte (Clarinet) and Karl Weiss (Pfte.). 2.20—Talk: An Afternoon in Meissen. 2.45—Talk: Spices.

3.0—Light Music. Station Orchestra and Soloists. Conductor: Blumer. In the interval: Reading.

5.0—Talk: Wagner and Modern Times. 5.15—Act I. "Tristan and

Isolda"—Opera (Wagner) from Cologne.

6.45—Report on the Bob-Sleighing-Fours Championship from Oberhof.

7.0—Classical Concert. Leipzig Symphony Orchestra. Conductor: Hilmar Weber. Elly Volkenrath and Käthe Brinkmann (Sopranos); Edith Hasselmann (Mezzo-Soprano); Käthe Herre (Contralto); Hans Remagen (Baritone); Gerhard Hofmann (Bass). Overture and Ballet Music, "Prometheus" (Beethoven). Quartet from "The Magic Flute" (Mozart). Elegie bei Sonnenuntergang (Humperdinck). Moorish Rhapsody (Humperdinck). Overture, "Romeo and Juliet" (Tchaikovsky). Songs (Schubert, Wolf, Strauss). Prelude, "Die Abreise" (d'Albert). Caprice (Rimsky-Korsakov). Quartet from "Die beiden Schützen" (Lortzing). Venezia e Napoli (Liszt). 9.0—News.

9.20—See Berlin. 9.30—Light Music. 9.45-11.0—See Hamburg.

LILLE (Radio PTT Nord) (France)

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

Transmits at intervals from 6.50 a.m. 12.0 noon—Light Orchestral Music. Detrait (Yodeller). In the interval at 1.0 p.m.: News. 2.0—Concert from Angers. 6.30—News; Topical. 7.30—Song Records. 7.45—Sports. 8.0—Potpourri Records. 8.30 till Close—See Paris (PTT).

MADRID (EAJ7) (Spain)

1,095 kc/s (274 m.); 10 kW.

Transmits at intervals from 8.0 a.m. 9.0 p.m.—Musical Comedies. Station Orchestra and Soloists. Conductor: Cantos. In the intervals: Programme by Ramón Gómez de la Serna. 11.30—Dance Music. 12.0 m't—Chimes.

MONTE CENERI (Switzerland)

1,167 kc/s (257.1 m.); 15 kW.

10.0 a.m.—Announcements; Bible Reading.

10.30—Eighteenth Century Music by the "Three Minstrels." 10.55—Science Talk. 11.10—Records: Opera Arias. 11.30—News.

11.40—Radio Orchestra. Conductor: Casella. 12.25 p.m.—Radio Competition. 12.30-1.30—Song Records. 4.0—Sports.

4.5—Light Music. Radio Orchestra. 4.55—Sports.

5.15—Bellinzona Choir. Conductor: Vicari. Selection, "The Huguenots" (Meyerbeer). Beati morti (Mendelssohn). Selection, "Fidelio" (Beethoven). Festa lontana (Campodomico). Aria, "Rigoletto" (Verdi). Vita gaia (Chiappani). 6.0—Sports.

6.20—Giacomo Somalvico (Violin). Concerto in E minor (Vivaldi). Movement from Concerto Op. 28 (Goldmark). Allegretto (Porpora). 6.45—News.

7.0—Variety Suite (de Micheli).

7.15—Talk: Segantini.

7.30—Eastern and Hawaiian Music—Radio Orchestra. Isabella Escribano (Soprano). Suite, Rapsodie maurisque (Cassard). Hawaiian Songs (Kaai). Intermezzo (Karastoyaroff). Hawaiian Songs. Suite, Sur les monts d'Annam (Dupin). Songs of the Philippines. Danse arabe (Ganne). Songs of the Philippines. Persian Dance (Guiraud). 8.30—Jazz Records. 9.0-9.15—Sports.

MOSCOW (No. 1) (Russia)

174 kc/s (1,724 m.); 500 kW.

Transmits at intervals from 2.40 a.m.

5.15 p.m.—Wind Instrument Orchestra. 8.0—German Programme: Play after Avdeienko.

9.5—Review (English); Questions and Answers (English). 10.0—Talk in German; The Port of Moscow.

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—Protestant Service. 8.30—Arnold (Pfte.). 9.0—Literary and Musical. 9.30—Choir; Wind Band. 10.40—Talk for Country People.

11.0—Trumpet Corps from the Feldherrnhalle. Conductor: Kiessling.

11.55—Weather; Programme Notes.

12.0 noon—Orchestra. Conductor: Kloss. Albumblatt (Wagner). Schubert Potpourri. Der Vogel als Prophet (Schumann). Wintersonnen (Schumann). Hungarian Rhapsody (Liszt). Selection, "A Night in Venice" (Strauss). Mignon (Schütt). Slow Waltz (Schütt).

1.0 p.m.—Fairy Play for Children.

1.45—Music Talk.

2.5—Armin Knab Recital. Louise Pflüger (Soprano), Maria Grosshauser (Contralto), Richard Staab (Pfte.) and the Station Chamber Orchestra and Ladies' Choir. Conductor: Orff. Liebesklage des Mädchens. Pfte.: (a) Wie schön leuchtet uns der Morgenstern, (b) O Tod, wo ist dein Stachel. Three Marienlegenden. Mariä Geburt. 2.40—Talk: Birds.

3.0—See Cologne. 5.0—A Peasant Wedding in Lower Bavaria—Sketch (Peinkofer). 6.10—Book Review.

6.20—Sports Talk. 6.30—Records: Poems (Morgenstern), Songs (Wolf).

6.55—Talk on the following transmission.

7.0—"Faust"—Opera in Five Acts (Gounod), from the Municipal Theatre, Nürnberg. In the interval from 7.50-8.5: Talk on Records: The Exhibition in the New Pinakothek; and from 8.50-9.5: News.

10.0-11.0—Station Dance Band. Conductor: Aulich.

OSLO (Norway)

260 kc/s (1,153.8 m.); 60 kW. Relayed by Fredrikstad, 776 kc/s (386.6 m.); Hamar, 519 kc/s (578 m.); Notodden, 1,357 kc/s (221.1 m.); Porsgrund, 850 kc/s (352.9 m.); Rjukan, 1,348 kc/s (222.6 m.); and Trøndelag, 629 kc/s (476.9 m.)

8.0 a.m.—News. 8.5—French Lesson. 8.35—English Lesson. 9.5—Records. 9.55—Service. 3.10—Norwegian Folk Music. 3.40—Talk: Norwegian Terminology. 4.0—"Major Barbara"—Play (Bernard Shaw). 6.10—News. 6.30—Talk.

7.0—Station Orchestra. Conductor: Kramm. Overture, "Poet and Peasant" (Suppé). Suite, Peer Gynt (Grieg). Humoresque (Dvořák). In a Persian Market (Ketelbey). Melody (Bull). Torch Dance (Meyerbeer). Selection, "The Gipsy Princess" (Kálmán). March (Hanssen).

8.0—Reading. 8.20—Twelve Songs (Sinding) by Andresen. 8.40—News. 9.0—Topical. 9.15—Sports. 9.30-10.5—Records.

PARIS (Eiffel Tower) (France)
1,456 kc/s (206 m.); 20 kW.
Transmits at intervals from 8.0 a.m. 8.15 p.m.—News.

8.30—Records. Part I. Berlioz Music. Overture, "Le corsaire." Aria, L'Enfant du Christ. Overture, Le carnaval romain. Selection, "Romeo

SUNDAY (January 26)

and Juliet." Part II. Light Music. Part III. Dance Music.

PARIS (Poste Parisien) (France)

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

7.50 a.m.—Overture, Records. 8.2—Press Review. 8.25—Announcements. 8.33—Records. 8.58—For Housewives. 9.0—Press Review. 9.23—Records: Viard (Saxophone). 9.30—"Optimism"—Records. 9.45—Jazz Records. 10.5—"Prisoners"—Records. 10.20—Song Records. 10.35—Records: Scènes alsaciennes (Massenet) by the London Symphony Orchestra. 10.50—Lecture-Recital. 11.33—Jazz Records of the Adison Orchestra. 11.48—Excerpts, "Véronique" (Messenger) (on Records).

12.5 p.m.—Records for Children. 12.15—Programme by Jean Marsac. 12.45—Interview. 12.50—Programme by Suzanna-Marie Bertin and Marcel Veran. 1.30—Request Records. 2.0—Commentary on the Rugby Match, France - Midi, at Toulouse. 4.30—Records: Light Music. 7.0—News. 7.10—Sports Notes. 7.20—Fashion Talk. 7.25—Amusement Guide. 7.28—Records: Overture, "The Barber of Seville" (Rossini). Conductor: Toscanini. 7.35—Opera Records. 7.50—Records: The Ride of the Valkyries (Wagner) by the Bayreuth Festival Choir, Orchestra and Soloists.

8.15—"Le pain quotidien"—Three-Act Play (Sonal, Trebla). 10.30-12.0 m't—Records: Light Music.

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

6.50 a.m.—Weather; News. 7.40—Pictorial Press Review. 8.0—Press Review. 8.40—Sports. 9.0—News. 9.40—Weather. 9.45—For Children. 10.15—Light Music by the Locatelli Orchestra. Julia (Songs). 12.0 noon—Mlle. Suzanne Vidal (Songs). Si j'étais Nonette (Laparra). Les petits Elfes (Cuvillier). La petite maison (Beydts). La fille d'un paysan (Canteloube).

12.15 p.m.—Light Music and Dance Music by the Derveaux Symphonic Jazz Band. In the interval from 1.0-1.30: Sports, Weather and News.

2.0—Two Musical Sketches: (a) "Une femme qui se grise"—Vaudeville in One Act; (b) "A la chambre"—Musical Fantasia in One Act (Matrat-Fordyce). 3.0—Concert. 4.30—"Une robe de soie"—One-Act Sketch (Charasson).

5.0—Claude Ysel and Jean Sorbier (Songs); Jeanne Leleu (Pfte.). Songs: (a) Le Lac (Niedermeyer), (b) The Nightingale (Grieg), (c) Le vieux piano mécanique (Lattès). Pfte.: (a) La Fille aux cheveux de lin (Debussy), (b) Les Collines d'Anacapri (Debussy), (c) Barcarolle (Fauré). Songs: (a) Serenade (Schubert), (b) Pour un baiser (Tosti), (c) Maria, Mari (di Capua).

5.30—Television. 6.30—News; Topical Review. 7.30—Weather. 7.38—Topical. 7.45—Cora Madou, Vincent Scotto (Guitar) and his Orchestra. 8.15—Sports Review.

8.30—Variety. Trio: Variations, Le petit Quinquin (Decruck). Songs. Pfte.: (a) Pastourelle (Poulenc), (b) Giddy Girl (Ibert). Songs. Recitations. Clarinet: Variations on Themes from "Rigoletto" (Verdi). Talk by Bernier. Songs. Pfte.: (a) Berceuse (de la Presse), (b) Ronde (Roussel). Songs. Recitations. Trio: (a) Scherzo and Finale (Borda), (b) Musette (Pfeiffer). Talk in the interval.

SUNDAY (January 26)

10.30—News. 10.45—Dance Music by the Anđolfi Orchestra.

PARIS (Radio-Paris) (France)

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

7.0 a.m.—Records. 7.15—Press Review. 7.45—Gym. 8.0—Opera Records. 9.0—Italian Lesson. 9.20—English Lessons. 10.0—Book-keeping. 10.40—Spanish Lesson.

11.0—Pardeloup Concert Orchestra. Conductor: Géoris.

12.0 noon—Marcilly (Organ). Prelude and Fugue in E minor (Bach). Tierce en taille (Dandrieu). Toccata (Frescobaldi). Pièce héroïque (Franck).

12.30 p.m.—(Religious Address by the Rev. Father de la Croix-Laval. 12.50—News.

1.0—Pardeloup Concert Orchestra. Conductor: Géoris. Mme. Meunier-Delince. Suite, Roma (Bizet). Songs: (a) Grand'mère (Guérin), (b) Bonjour Suzon (Pessard), (c) Don Galaor (Clapissou), (d) Fleurette (Puget). Selection, "Le Grand Mogol" (Audran). Dances (Grétry). Rhapsody No. 2 (Liszt). Entr'acte, "Madame Chrysanthème" (Messager). La Zamacnecca (Ritter).

2.0—"Bilboquet at the Distillery"—Sketch.

2.15—Pierrette Caillol (Songs), Jean Mourier (Songs), and Dorival (Monologues). Songs: (a) On peut tout me dire (Fournier-d'Yresme), (b) Mon ami le vent (Durthal-Delettre), (c) Je veux te croire (Bussy-Crémieux), (d) La fête au pays (Poterat-Wiener). Monologues. Songs: (a) Le roulier de Vasselonne (Fourer), (b) Gallop,

(c) En chevauchant mon cheval rouge, (d) Chant du Forgeron (Milhaud).

3.0—For Young People. 4.0—"Harmonie"—Three-Act Play (Duvernois).

5.0—Pardeloup Concert from the Opéra-Comique. Requiem (Verdi) by the Paris Philharmonic Choir (250 Singers)—Conductor: Albert Wolff. Soloists: Germaine Hoerner, Frieda Dierols, Etcheverry, and Saint-Cricq.

7.0—Mme. Sevrave and René Charles (Songs). Ciel d'Espagne (Guillot-Rivière). Madrigal triste (Baudelaire-Rollinat). Si je n'avais plus l'amour (Laparcerie-Ackermans). Sur la colline (Grenet-van Parys). Les trois âges (Delmet). Le logis du rêve (Yvain). Le rêve (Ackermans). Si j'avais trouvé (Lenoir).

7.30—"La maison du Diable" (Crozière) by Bilboquet and his Troupe. In the interval: "Les Jacasseries de Polichinelle."

8.0—Two Detective Plays: (a) "M. Papouet, Detective par Testament" (Sauvageon-Bost), (b) "Le Tamtam menace" (Francis-Didelot). Jacques Cossin's Company with Pierre Poncet. 8.30—Press Review.

8.45—Two German Plays: (a) "Discipline"—Two-Act Play (Franz von Conring, trans. Thorel), (b) "Hanneles Himmelfahrt" (Gerhart Hauptmann). 10.45—Dance Music—Chapelier Orchestra.

11.15-12.15 a.m. (Monday)—Light Music—Chapelier Orchestra.

PRAGUE (Czechoslovakia)

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

Transmits at intervals from 5.45 a.m.

5.45 a.m.—Gym; Music; News. 6.30—Karlsbad Municipal Orchestra. 7.20—

Police Messages. 7.30—Missa choralis in A minor (Liszt). Prague Sacred Music Society—Conductor: Nemeč. Prof. Wiedermann (Organ). 8.5—Address by the Cardinal Archbishop of Prague. 8.20—Records. 8.30—Report: The Red Cross Meeting in the Municipal Library. 9.0—Talk. 9.20—Orchestra from Brno. 9.45—Talk and Reading: Czech Literature. 10.15—New Books. 10.20—Orchestra. 11.5—Announcements. 11.10—News. 11.20—Concert Version, "You and I"—Operetta (Vip-ler). Conductor: The Composer. In the interval: Topical Review. 12.30 p.m.—For Farmers. 12.45—Record. 12.50—Talk. 1.0—Report in German: The International Ski-ing Championship at Harrachov. 1.30-1.45—For Farmers (in German). 3.0—See Bratislava. 4.20—Talk: The Brazilian Revolution.

4.35-5.50—German Transmission. Report: The International Ski-ing Championships at Harrachov; Orchestra. Conductor: Jalowetz. Tilli de Carmo (Songs). Selection, "Wozzek" (Berg). Symphony in G minor (Mozart); Address by the Cardinal Archbishop of Prague. Singet dem Herrn ein neues Lied—Motet (Bach) by the Academy of Music Choir.

5.50—News (German). 5.55—Record. 6.0—News. 6.5—Orchestra. 6.45—Topical.

7.5—Czech Philharmonic Orchestra from the Smetana Concert Hall. Conductor: Jirak. Symphony in D—The Clock (Haydn). Symphony in A minor (Mahler).

9.0—News. 9.20—Record. 9.25—News (German). 9.30—Record. 9.35-10.30—Dance Music—Cech Orchestra. In the interval from 9.45-9.55: Report: The 1936 Monte Carlo Rally, from the Control Point at Kosice.

RADIO-NORMANDIE (France)

1,113 kc/s (269.5 m.); 15 kW.

7.0 a.m.—Records. 7.20—News. 7.48—Racing. 7.53—For Housewives. 8.0—Records. 8.15—Time; Records. 8.30—Sacred Music. 8.45—Musical Comedy Music. 9.0—Time; Light Music. 9.45—Records. 10.0—Light Music. 10.15—Records. 10.30—Light Music. 11.0—Time; Light Music. 11.30—Military Music. 11.45—Light Music. 12.0 noon—Folies-Bergère Programme. 12.30 p.m.—Roman Catholic Service. 12.45—News. 1.0—Popular Music. 2.0—Commentary on the French Championship Football Match, Boulogne v. Rouen. 3.30—Records. 3.45—Light Music. 4.0—Tea-Time Hour. 4.45—Children's Corner. 5.0—Time; Light Music. 5.15—Pirates of To-day. 5.30—Records. 5.45—Dance Music. 6.0—Light Music. 6.30—Songs. 7.0—Light Music. 7.30—Harlequinades. 7.45—Light Music. 8.0—News.

8.10—Opera Music. Excerpts, "Le Maître de Chapelle" (Paer), "The Barber of Seville" (Rossini), "Tosca" (Puccini), "Faust" (Gounod), "La Bohème" (Puccini), "Othello" (Verdi), "Thaïs" (Massenet), "Hamlet" (Thomas), and "The Fair Maid of Perth" (Bizet). In the interval at 8.30: Sports. 9.20—An Interview. 9.30—Organ. 9.45—Italian Music. 10.0—Light Music. 10.15—Variety. 10.30—Records. 10.45—Songs. 11.0—Light Music. 11.15—Records. 11.30—Orchestra. 12.0 m't-2.0 a.m. (Monday)—Dance Music. In the interval at 12.30: Time.

RADIO-ROMANIA (Brasov)

(Romania)

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

See Bucharest.

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REYKJAVIK (Iceland)

208 kc/s (1,442 m.); 16 kW.
 11.40 a.m.—Weather (Icelandic, English, German). 12.0 noon—Cathedral Service. 1.0 p.m.—Concert. 4.0—Billich, Orchestra. 7.30—For Children. 8.10—Weather (Icelandic, German, English). 8.20—Music. 8.40—News. 9.15—Reading. 9.40—Arias. 10.5—Reading. 10.30-1.0 a.m. (Monday)—Schubert Concert; Dance Music.

ROME (Italy)

713 kc/s (420.8 m.); 50 kW. Relayed by Naples, 1,104 kc/s (271.7 m.); Bari (No. 1), 1,059 kc/s (283.3 m.); Bari (No. 2), Milan (No. 2), and Turin (No. 2), 1,357 kc/s (221.1 m.).
 7.35-8.0 a.m.—News. 9.0—Rural Programme. 10.0—See Turin. 11.0-11.15—Bible Reading. 11.30—Light Music. Conductor: Petralia. 12.0 noon—News. 12.10 p.m.—Variety. 12.40—A Radio Parody. 1.15-2.0—Talks; Readings; Music. 3.0—Records; Sports. In the interval from 3.20-3.35: Relay from Asmara. 4.0—Symphony Concert from the Augusteo. Conductor: Mario Rossi. Gioconda de Vito (Violin); Alba Anzellotti (Soprano). Concerto in A minor (Viotti). Soprano: Il molinaro (Masserani). Squilli e danze (Masserani). Overture, Egmont (Beethoven). Violin and Orchestra: Italian Concerto (Castelnuovo-Tedesco). In the interval: Weather and Sports. 6.0 (approx.)—Football Report. 6.20—Announcements. 6.25—News. 6.40—Sports. 7.0—Variety. 7.20—Announcements; Talk. 7.35—"Fuorimoda"—Play in Three Acts (Lopez and Possenti). 9.0—Dance Music. Film Notes in the interval. 10.0—News.

SOTTENS (Switzerland)

677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.).
 8.40 a.m.—Chimes. 8.45—Protestant Service from the Cathedral. 10.0—Records. 11.30—News. 11.40-1.0 p.m. Records. 2.30-4.0—Song Records. 5.0—Opera Records. 6.45—Sports. 7.0—Chamber Music. String Quartet in A (Jongen). Flute, Oboe, Clarinet, Bassoon, and Horn: Pastoral (Pierné). Harp and String Quartet: Féerie (Fournier). Flute, Oboe, Clarinet, and Pfte.: Sonata (Milhaud). 7.55—News. 8.5—"The Polish Jew"—Drama in Three Acts (Eckmann-Chatrion). 9.30—Weather.

STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW. Relayed by Motala, 216 kc/s (1,389 m.); Göteborg, 941 kc/s (318.8 m.); Hörby, 1,131 kc/s (265.3 m.); and Boden, 392 kc/s (765 m.).
 8.0 a.m.—For Foresters. 8.30—Mozart and Haydn Symphony Records. 9.15-9.45—Talk: Amateur Theatricals. 10.0—Salvation Army Service. 11.40—News. 1.0 p.m.—Symphony Concert. Malmö Concert Orchestra. Conductor: Tor Mann. Symphony in B flat (Beethoven). Suite in D minor (de Frumerie). Entr'acte and Railway Fugue from The Journey to America (Rosenberg). Overture, "Tannhäuser" (Wagner). 2.30—Talk: Curing Intemperance. 3.0—Björling Vocal Quartet. 3.30—Reading. 4.0—Weather. 4.5—Sonata in A minor (Beethoven) by Ruthström (Violin) and Anita von Hillern-Dunbar (Pfte.). 4.30—Reading. 5.0—Service from Karlstad Cathedral. 6.15—News. 6.30—Talk. 7.0—"From Strauss to Lehár"—Potpourri (Hruby). Radio Orchestra, Choir and Soloists. Conductor: Grevillius. 8.30—Reading: Swedish Love Poems. 8.45—News. 9.0-10.0—Light Music.

STRASBOURG (France)

859 kc/s (349.2 m.); 120 kW.
 7.0 a.m.—News. 7.30—Records. 7.40 News (in German). 8.0—Gym. 9.30—Protestant Service in German. 10.30—Records. 11.30—Roman Catholic Service. 12.0 noon—Elsa and Emile Holz (Zithers). In the intervals: Song Records. 12.45 p.m.—News. 1.0—Records. 1.45—News. 2.0—See Paris (Radio-Paris). 2.15—Dance Records. 3.30—Dance Music from the Maison rouge. 4.30—See Paris (PTT).



Verdi; his Requiem is to be broadcast at 5 p.m. (Radio-Paris, Strasbourg)

5.0—See Paris (Radio-Paris). 7.0—Talk: Diets for Sportsmen and Alpinists. 7.15—Records; Announcements. 7.30—News. 7.40—Sports. 7.50—News (German). 8.10—Records. 8.30 till Close Down—See Paris (PTT).

STUTT GART (Germany)

574 kc/s (522.6 m.); 100 kW.
 5.0 a.m.—See Hamburg. 7.0—Weather; Gym.; For Farmers. 8.0—Roman Catholic Service from Mannheim. 8.30—Orchestra from Karlsruhe. 9.0—See Deutschlandsender. 9.45—Elisabeth von Malsen (Pfte.). Prelude and Fugue (Bach). Chaconne (Bach-Busoni). 10.0—"Nameless Heroes"—Literary Sequence (Olaf Saile). 10.30—See Leipzig. 11.0—See Berlin. In the interval from 12.0 noon-12.15 p.m.—Topical Talk. 12.50 p.m.—Talk. 1.0—Play for Children. 1.45—Talk: Shops and Workshops. 2.0—Chamber Music. Eva Lorch (Pfte.), Hermann Reith (Bass) and Hans Barth (Pfte.). 2.30—Christian Knayer Music. Elfy Ehrhardt (Pfte.), Elisabeth Jentsch (Soprano) and Carl Jautz (Tenor). Pfte.: (a) Albumblatt, (b) Pathetischer Walzer (Knayer). Soprano Songs. Tenor Songs. Pfte.: (a) Träumerei, (b) Gondellied, (c) Kleines Nocturno (Knayer). Soprano Songs. Tenor Songs. 3.0—See Cologne. 5.0—"Die gotische Rose"—Sequence about Strasbourg Cathedral (Abel). 5.30—"The Story of the Lovely Melusina"—Poem (Osterwald). Music by Heinrich Hofmann. Station Orchestra, Choir and Soloists. Conductor: Zimmermann. 6.15—"Ha-No"—Sequence (Stockinger). 7.0—See Berlin. 9.0—News. 9.25—Report on Records: The Bob-Sleighting-Fours Championship in Oberhof. 9.45—See Hamburg. 11.0-1.0 a.m. (Monday)—Serenade. Part I. Mozart. Records. Part II. Schubert. Griepkoven (Soprano), Schimmer (Violin), Schmid (Viola), Reichardt ('Cello), Wachsmuth (Double Bass) and Giesen (Pfte.). Three Songs. The Trout Quintet.

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW.
 Transmits at intervals from 11.0 a.m. 6.0 p.m.—Soloists. 6.15—Songs. 6.30—Operetta Music. 6.45—News. 6.50—Film Music. 7.5—Operetta Music. 7.25—Minuet (Boccherini). 7.30—News. 7.45—Duets. 8.15—Tyrolese Music. 8.30—Marches. 8.50—Viennese Orchestra. 9.0—"L'Aube"—Radio Fantasy. 9.35—Hunting Horns. 10.5—English Dance Music. 10.35—News. 10.50—Orchestra. 11.0—Film Music. 11.15—"La Roue de la Fortune"—Fantasy. 11.45—Orchestra. 12.0 m't—Light Music. 12.15 a.m. (Monday)—News. 12.20-12.30—Orchestra.

TURIN (No. 1) (Italy)

1,140 kc/s (263.2 m.); 7 kW. Relayed by Milan (No. 1), 814 kc/s (368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,222 kc/s (245.5 m.); Florence, 610 kc/s (491.8 m.); and Bolzano, 536 kc/s (559.7 m.).
 7.35 a.m.—News. 9.0—Rural Programme. 10.0—Mass from the Basilica of the Annunciation, Florence. 11.0-11.15—Bible Reading. 11.30-1.15 p.m.—See Rome. 3.0—Records; Sports. In the interval from 3.20-3.35: Relay from Asmara. 4.0—See Rome. Weather and Sports in the interval. 6.0 (approx.)—Football Report. 6.20—Announcements. 6.25—News. 6.40—Sports. 7.0—See Rome. 7.20—Announcements: Talk. 7.35—"Aida"—Opera (Verdi) from the Carlo Felice Theatre, Genoa. Conductor: Gui. Chorus Master: Milani. Cast: Guido Neri, Aurora Bades D'Alessio, Iva Pacetti, Franco Battaglia, Umberto di Lelio and Mario Basiola. 10.0 (approx.)—News.

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Relayed by Graz, 886 kc/s (338.6 m.); Innsbruck, 519 kc/s (578 m.); Dornbirn, Klagenfurt, Linz and Vorarlberg, 1,294 kc/s (231.8 m.); and Salzburg, 1,348 kc/s (222.6 m.).
 The Inauguration of the Linz Regional Transmitter. 7.0 a.m.—Motto; Announcements. 7.10—Gym. 7.30—Hints for the Week. 7.45—Records. 8.25 (from Linz)—Service from the Old Cathedral, for the Inauguration of the Linz Regional Transmitter. Address by Dr. Gföllner, Bishop of Linz. Mass in D minor (Bruckner) by the Linz Cathedral Choir and Daxspurger (Organ). 10.0 (from Salzburg)—Mozart Anniversary Concert. The Mozarteum Choir and Orchestra. Conductor: Paumgartner. Marta Schlager (Soprano), Gmachl (Pfte.) and Sauer (Organ). Overture, "La finta giardiniera." Pfte. Concerto in D, The Coronation. "Laudate Dominum" for Soprano, Choir, Organ and Orchestra. Symphony in B flat. 11.10 (from Linz)—Programme for the Inauguration of the Linz Regional Transmitter, from the Redoutensaal. The "Frohsinn" Choral Society. Chorus-Master: Keldorfer. 12.0 noon—Vienna Symphony Orchestra. Conductor: Holzer. Rosner (Violin). Overture, "The Merry Wives of Windsor" (Nicolai). Hirtenmusik and Gavotte (Niemann). Fantasia (Strauss-Mittler). Violin Solo. Selection, "Die Puppenfee" (Bayer). Comedy Overture (Witchl). Waltz, Faschingskinder (Ziehrer). Potpourri (Mühldräxler). 1.20 p.m.—Report of the Austrian Ski-ing Championship from Bad Ischl. 1.45—News. 2.0—Book Review. 2.20—Chamber Music by the Weiss

SUNDAY (January 26)

Quartet. String Quartet in E flat (Haydn). Cantari alla madrigalesca (Malipiero).
 3.5—Report from Hargelsberg of the Peasant Carnival in Upper Austria. 3.30—Talk: Martin Dobrizhoffer, Missionary and Explorer. 3.50—For Boys. 4.10—Light Music. Radio Section of the Vienna Symphony Orchestra; Choir and Folk Music Quartet of the German Folk Song Society in Vienna. Conductor: Rosner. Holzer (Violin). 5.45—Topical Talk. 5.55—Poetry. 6.0—Announcements; Sports Notes. 6.10-9.0 (from Linz)—Inauguration Programme for the Linz Regional Transmitter, from the "Kaufmännisches Vereinshaus." 6.10—Recital by Adolph Trittinger on the Bruckner Organ at St. Florian's Abbey. Prelude, Fugue in C minor, and Adagio (Bruckner). Es ist ein Heil uns kommen her (David). 6.30—Talk: Literature in Upper Austria. 6.40—Reading (Stelzhamer). 6.55—Gala Concert. The Linz Symphony Orchestra, Conductor: Keldorfer; and the Linz Bruckner Choir. Symphony in D (Müller), Conducted by the Composer. The Linz Symphony (Mozart). Te Deum (Bruckner). 9.0—News; Sports Notes. 9.20—Report of the Austrian Ski-ing Championships from Bad Ischl. 9.25—Marcel Witttrisch (Tenor). 10.5—Announcements. 10.20-12.0 m't—Gaudriot Jazz Band. Hauck (Songs).
WARSAW (Poland)
 224 kc/s (1,339 m.); 120 kW. Relayed by Cracow, 1,022 kc/s (293.5 m.); Katowice, 758 kc/s (395.8 m.); Łódź, 1,339 kc/s (224 m.); Lwów, 795 kc/s (377.4 m.); Poznań, 868 kc/s (345.6 m.); Torun, 986 kc/s (304.3 m.); and Wilno, 536 kc/s (559.7 m.).
 8.0 a.m.—Hymn. 8.3—For Farmers. 8.15—Records. 8.40—News. 8.50—Announcements. 9.0—Records. 9.30—Service from St. John's Church, Wilno. 11.0—Fanfare. 11.3—Theatre Notes. 11.15 (from Poznań)—Symphony Orchestra. Conductor: Latoszewski. Danczowski ('Cello). The Sacred Grove (Rytel). 'Cello Concerto in A minor (Saint-Saëns). Symphony in B minor—the Pathetic (Tchaikovsky). In the interval at 12.0 noon: Reading. 1.0 p.m.—Records: Light Music. 2.0—For Farmers; Records. 3.0—For Children. 3.15—Light Music—Rynas Orchestra. 3.45 (from Lwów)—Old Songs by the Bard Choir. Conductor: Krzyński. 4.0—Witkowski Dance Band. 4.40 (from Torun)—"Local Snapshots." 5.0—Spanish Music by Marie Jonas (Pfte.). 5.30 (from Wilno)—Excerpt, "La Vida es Sueño" ("Life is a Dream")—Play (Calderon de la Barca). 6.0—Announcements. 6.40—Sports. 6.45—Book Talk. 7.0—Opera and Operetta Songs and Duets by Fabry and Bregy. Duets, "Song of Triumphant Love" (Hartweld), "Don Pasquale" (Donizetti), "Boccaccio" (Suppé). Songs, "The Czarevitch" (Lehár), and "Giuditta" (Lehár). Duet, "The Land of Smiles" (Lehár). Arias, "André Chénier" (Giordano), "L'Arlesiana" (Cilea). 7.45—Readings (Pilsudski). 7.50—News. 8.0 (from Lwów)—Variety. 8.30—Travel Talk. 8.45—Sports. 9.0—Station Dance Band and Trójka Radjowa. Conductor: Górczyński. 10.0—Weather. 10.5—Dance Records.

MONDAY January 27

5 p.m.

ATHLONE, 5.30—For Children.
BERLIN and German Stations—See Stuttgart. **BEROMÜNSTER**, For Children. 5.30—Talk. **BRESLAU**, Orchestra. Elisabeth Sprung (Soprano). **BRUSSELS (1)**, Orchestra, Flute, Cello. **BRUSSELS (2)**, Radio Orchestra. 5.30—For Children. **BUDAPEST (1)**, Cigány Band. 5.20—Report on Records: The Monte Carlo Rally. 5.50—Records. **DEUTSCHLANDSENDER**, Songs and Dances of the Crafts. 5.30—Talks.
HILVERSUM (1,875 m.). Records. 5.10—Lyra Trio. 5.55—Dance Music. **HILVERSUM** (301.5 m.), Amsterdam Salon Orchestra.
KALUNDBORG, Talk. 5.20—English Lesson, Wireless Notes.
MOSCOW, Baritone, Violin. 5.45—Concert Version, "Russian and Ludmilla" (Glinka). **MUNICH**, Orchestras.
PARIS (PTT), Paris Symphony Orchestra. Conductor: Tomasi. 5.30—Reviews.
RADIO-NORMANDIE, Dance Music, Records. 5.30—Concert. **RADIO-PARIS**, Anniversaries. 5.10—Baudelaire Poems. 5.30—Paris Symphony Orchestra. Conductor: Tomasi. Claire Chalande (Songs).
STRASBOURG, Exchange. 5.15—Records. **STUTTGART**, Alpine Folk Music.
WARSAW, Contemporary Pfte. Music. 5.30—Letters. 5.40—Notes, Letters.

6 p.m.

ATHLONE, For Children. 6.15—Records. 6.45—News.
BERLIN, See Stuttgart. 6.45—Evening Echo. **BEROMÜNSTER**, Records. 6.25—Talk. 6.50—Talk on the 7.0 p.m. Concert. **BRESLAU**, Orchestra (contd.). 6.45—Address by the Station Director. **BRNO**, 6.30—Concert. **BRUSSELS (1)**, Records: "L'Arlesienne" (Bizet). 6.15—Talk. 6.30—Dance Band. **BRUSSELS (2)**, For Children. 6.15—Records, Talk. **BUCHAREST**, News. 6.15—Weber Records, Books. 6.35—Records: Act III, "Tannhäuser" (Wagner). **BUDAPEST (1)**, Records. 6.40—Philharmonic Concert from the Opera. Conductor: Dohnányi. Elly Ney (Pfte.)—Siklos, Brahms, Liszt.
COLOGNE, See Stuttgart. 6.45—A Flying Visit.
DEUTSCHLANDSENDER, See Stuttgart. 6.45—Topical.
FRANKFURT, See Stuttgart. 6.45—Topical, Markets, Notes.
HAMBURG, See Stuttgart. 6.45—Talk. **HILVERSUM** (1,875 m.), Dance Music. 6.40—Talk. **HILVERSUM** (301.5 m.), Amsterdam Salon Orchestra. 6.10—Letters, Announcements. 6.45—Report.
KALUNDBORG, News. 6.20—Talk. **KÖNIGSBERG**, See Stuttgart. 6.45—Topical.
LEIPZIG, See Stuttgart. 6.45—Talk. 6.55—News.
MOSCOW, "Russian and Ludmilla" (contd.). **MUNICH**, Orchestras. 6.45—Talk.
OSLO, News. 6.30—Talk.
PARIS (PTT), Paris Symphony Orchestra (contd.). Claire Chalande (Songs). 6.30—News, Reviews. **POSTE PARISIEN**, 6.15—Exchange, Talk. 6.27—Opera Records and Talks. **PRAGUE**, News, Record. 6.15—English Lesson. 6.30—See Brno.
RADIO-NORMANDIE, For Children. 6.45—News. **RADIO-PARIS**, Economics. 6.30—Paris Symphony Orchestra (contd.). **RADIO-ROMANIA**, See Bucharest. **ROME**, News, Talk (French). 6.20—News (English, French).
SOTTENS, Talk, Record. 6.15—Illustrated Talk: "Pelléas et Mélisande." 6.30—Music Review. 6.40—News. **STOCKHOLM**, Review. 6.15—News. 6.30—Cabaret. **STRASBOURG**, Review. 6.15—Dance Records. 6.30—Reading. 6.45—Light Orchestral. **STUTTGART**, Alpine Folk Music. 6.45—Records.
TOULOUSE, Exchange. 6.5—Concert. 6.45—News. 6.50—Chansonnnettes. **TURIN**, News in Foreign Languages.
VIENNA, News, Talk. 6.30—Illustrated Talk: Indian Customs.
WARSAW, Notes. 6.50—Talk.

7 p.m.

ATHLONE, "Music and Painting"—T. H. Weaving and the Station Orchestra. 7.45—Mandoline.
BERLIN, News. 7.10—See Frankfurt. **BEROMÜNSTER**, Concert—Berne Music Society, Conductor: Balmer. Gieseking (Pfte.). **BRESLAU**, News. 7.10—"There was once a Hat"—Fairy Tale for Grown-ups (Lindegg). **BRUSSELS (1)**, Dance Band. 7.30—Sports, Review. **BRNO**, Concert. 7.30—Talk. 7.45—Beethoven Sequence. **BRUSSELS (2)**, Records. 7.30—News, Talk. **BUCHAREST**, "Tannhäuser" (contd.). 7.10—Talk. 7.30—String Quartet. **BUDAPEST (1)**, Philharmonic Concert (contd.). At 7.40: News.
COLOGNE, News. 7.10—Orchestra. At 7.30: Weekly Review.
DEUTSCHLANDSENDER, Motto,

8 p.m.

ATHLONE, A Press Photographer speaks. 8.15—Newcomers' Hour. **BERLIN**, See Leipzig. **BEROMÜNSTER**, News. 8.10 (approx.)—Concert (contd.). **BRESLAU**, "There was once a Hat" (contd.). **BRNO**, Beethoven Sequence (contd.). **BRUSSELS (1)**, French Music—Radio Orchestra. **BRUSSELS (2)**, Symphony Orchestra. Conductor: Karel Candaël. Melin (Violin), Mondalet (Cello). 8.45—Talk. **BUCHAREST**, 8.5—Bach Arias by Rosette Hussar. 8.30—

Ribaupierre (Violin). **STOCKHOLM**, Talk. 7.30—Septiman Orchestra. **STRASBOURG**, Light Music. 7.30—News (French, German). **STUTTGART**, News. 7.10—Friedrich List Biographical Sequence (Böhringer).
TOULOUSE, Light Music. 7.30—News. 7.45—Concert. **TURIN**, Announcements, Talk. 7.15—News. 7.35—Band.
VIENNA, Gala Programme from the New Linz Regional Transmitter.
WARSAW, Russian Music—Naval Band. 7.45—News.

PRINCIPAL EVENTS

SYMPHONY CONCERTS
P.M.
6.40 Budapest, Deutschlandsender (7.55): Dohnányi, Elly Ney (pfte.).
7.0 Beromünster: Soloist, Gieseking (pfte.).
7.0 Oslo: Norwegian music.
7.30 Sottens: Schumann, Beethoven, etc.
7.35 Rome: Conductor, Freccia.
8.0 Vienna: Conductor, Albert Coates.
8.0 Warsaw: Kodály, Tchaikovsky.
8.30 Eiffel Tower: Haydn, Ladmiraull.
8.30 Hamburg: Orchestral variations.
9.0 Stockholm: Conductor, Kabasta.
LIGHT CONCERTS
12.55 Hilversum (1,875 m.): Kovacs Lajos Orchestra.
2.20 Kalundborg: Radio Orchestra.
5.0 Brussels 1: Light music.
7.0 Athlone: "Music and Painting."
7.0 Kalundborg: Romantic music.
7.0 Vienna: Relay from Linz.
7.0 Warsaw: Naval Band.
8.0 Brussels 1: French orchestral music.
8.0 Brussels 2: Symphony Orchestra.
8.0 Leipzig, etc.: Orchestral and instrumental.
8.40 Hilversum (1,875 m.): Russian prog.
9.0 Strasbourg: Opera music.

9.15 Oslo: Old Time Dances.
9.30 Breslau, etc.: Serenade.
10.0 Hamburg: Popular programme.
10.20 Budapest 1: Cigány Band.
11.15 Radio-Paris: Light music.
CHAMBER MUSIC
8.45 Radio-Paris: Vocal and instrumental.
9.25 Kalundborg: Quintet (Kuhlau).
9.40 Berlin: Mozart programme.
9.50 Poste Parisien: Quartet (Brahms).
11.0 Frankfurt, Stuttgart: Brahms.
RECITALS
2.30 Radio-Paris: Songs, pfte.
7.0 Sottens: Organ (Bach).
9.0 Turin: Italian folk-songs.
9.10 Hilversum (301.5 m.): Organ.
LATEST NEWS BULLETINS
(Subject to slight variations)
7.45 Warsaw; 8.0, Beromünster; 8.20 (approx.), Sottens; 8.30, Radio-Paris; 8.40, Oslo; 8.45, Stockholm; 9.0, German stations, Kalundborg, Prague, Vienna; 10.0, Italian stations; 10.30, Athlone, Paris (PTT).
DANCE MUSIC
5.55 Hilversum (1,875 m.): 6.30, Brussels 1; 9.0, Rome; 9.30, Warsaw; 10.0, Deutschlandsender, Kalundborg; 10.10, Brussels 1, 10.45, Radio-Paris, Vienna; 12.0, Radio-Normandie.

9 p.m.

ATHLONE, Newcomers' Hour. 9.15—News (Irish). 9.30—Variety.
BERLIN, News. 9.25—To be announced. 9.40—Mozart Chamber Music—Eweler Trio; Hightett (Pfte.). **BRESLAU**, News, Talk. 9.30—Popular Music. **BRUSSELS (1)**, Report. 9.30—Yugoslav International Concert (Records). **BRUSSELS (2)**, Orchestra (contd.). **BUCHAREST**, Harp (contd.). 9.15—Dinico Orchestra. 9.45—News (French, German, Romanian). **BUDAPEST (1)**, 9.5—Salon Orchestra; Songs.
COLOGNE, News. 9.20—Lajos Kiss and the Engels Band.
DEUTSCHLANDSENDER, News. 9.30—String Trio (Mirsch-Riccio).
EIFFEL TOWER, Orchestra (contd.). In the interval: News. 9.30—See Breslau.
FRANKFURT, News. 9.30—See Breslau.
HAMBURG, Orchestral Variations. 9.15—News. 9.40—Sports Report. **HILVERSUM** (1,875 m.), Russian Concert (contd.). In the interval, Reading. 9.40—Records. 9.55—A.V.R.O. Aolian Orchestra. **HILVERSUM** (301.5 m.), Talk. 9.10—Zwart (Organ).
KALUNDBORG, News. 9.15—Records. 9.25—Flute Quintet in A (Kuhlau). **KÖNIGSBERG**, News. 9.20—Börschal Dance Band.
LEIPZIG, News. 9.20—"The Song of a Great Love"—Wagner and Mathilde Wesendonck Sequence. **LILLE**, "Le Pardon" (contd.).
MONTE CENERI, "Cavalleria rusticana" (contd.). **MOSCOW**, English Talks. **MUNICH**, News. 9.20—To be announced.
OSLO, Talk. 9.15—Old Dances (Bolstad).
PARIS (PTT), "Madame Beliard"

10 p.m.

ATHLONE, Variety. 10.30—News: Light Music.
BERLIN, Mozart Music (contd.). In the interval, "Mozart"—Sequence. **BRESLAU**, Popular Music. **BRUSSELS (1)**, News. 10.10—Dance Band. **BRUSSELS (2)**, News. 10.10—Records. **BUDAPEST (1)**, English Talk. 10.20—Cigány Band.
COLOGNE, Lajos Kiss and Engels Band.
DEUTSCHLANDSENDER, Dance Band.
EIFFEL TOWER, Orchestra (contd.) **FRANKFURT**, See Breslau.
HAMBURG, Bremen Stadtmusikanten. **HILVERSUM** (1,875 m.), Orchestra (contd.). 10.40—News. 10.50—Orchestra. **HILVERSUM** (301.5 m.), 10.10—Records.
KALUNDBORG, Donde Dance Band. **KÖNIGSBERG**, Discussion. 10.20—Börschal Dance Band.
LEIPZIG, See Breslau. **LILLE**, "Le Pardon" (contd.). 10.30—News.
MOSCOW, Hungarian Talk. **MUNICH**, Orchestra, Soloists.
PARIS (PTT), "Madame Beliard" (contd.). 10.30—News. **POSTE-PARISIEN**, Quartet (Brahms) (contd.). 10.30—Records.
RADIO-NORMANDIE, Dramatic and Musical (contd.). **RADIO-PARIS**, Concert (contd.). 10.45—Dance Music. **ROME**, News.
STRASBOURG, Opera Excerpts (contd.). **STUTTGART**, Budapest Concert (contd.). 10.30—Popular Music, from Breslau.
TOULOUSE, 10.5—Concert. 10.35—News. 10.50—Band. **TURIN**, News.
VIENNA, News. 10.15—Light Music. 10.45—Dance Band.
WARSAW, Dance Records.

11 p.m.

BUDAPEST (1), News.
FRANKFURT, Brahms music.
HILVERSUM (1,875 m.), Orchestra. **HILVERSUM** (301.5 m.), Records.
KALUNDBORG, Donde Dance Band.
RADIO-NORMANDIE, Dance Music. 11.30—News. 11.40—Variety.—Light Music.
STUTTGART, See Frankfurt.
TOULOUSE, Light Music. 11.30—Dance Music, Songs.
VIENNA, Dance Band.

12 midnight

FRANKFURT, Brahms Recital.
RADIO-NORMANDIE, Dance Music.
RADIO-PARIS, Light Music.
STUTTGART, See Frankfurt.
TOULOUSE, Light Music. 12.15—News, Marches.

1 a.m. (Tuesday)

RADIO-NORMANDIE, Dance Music.

NATIONAL

Time Signals: (normally) Big Ben: 10.15 a.m., 5.15, 6.30 p.m., 12 midnight. Greenwich: 10.30 a.m., 6.0, 9.30, 11.30 p.m.

Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland)
565 kc/s (531 m.); 60 kW. Relayed by Dublin, 1,348 kc/s (222.6 m.); and Cork, 1,240 kc/s (241.9 m.). 1.30-2.30 p.m.—Records. 5.30—For Children. 6.15—Records. 6.45—News. 7.0—“Music and Painting”—Station Orchestra and T. H. Weaving. 7.45—Mandoline Solos. 8.0—How you get your news (No. 3)—a Press Photographer speaks. 8.15—Newcomers' Hour. 9.15—News in Irish. 9.30—Variety. 10.30—What happened to-day; Light Music. 11.0—National Anthem.

BARCELONA (EAJI) (Spain)
795 kc/s (377.4 m.); 7.5 kW. Transmits at intervals from 11.0 a.m. 9.5 p.m.—Humorous Weekly Review. 9.15—Station Orchestra. 10.5—News. 10.20—Mandoline Philharmonic Association. Conductor: Sebastián. 11.15—Catalan Programme. 11.45—Records. 12.0 m.t.—News.



Mathilde Wesendonck, whose influence on Wagner is the theme of Leipzig's programme at 9.20 p.m.

REGIONAL

Time Signals: (normally) Big Ben: 10.15 a.m., 5.15, 6.30 p.m., 12 midnight. Greenwich: 10.30 a.m., 6.0, 10.0, 11.30 p.m.

Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

BRNO (Czechoslovakia)
922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.15 a.m. 6.30 p.m.—Margit Czuczanyi and Hochmann (Songs), Hanousek (Violin) and Station Orchestra. Conductor: Polásek. 7.30—Talk. 7.45—“Ludwig van Beethoven”—Sequence (Johanson). 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; Gym; News. 12.0 noon—Records: “Falstaff” (Verdi). 12.30 p.m.—Radio Orchestra. Conductor: Gason. In the interval at 1.0 p.m.: News. 1.30-2.0—Records. 4.55—News. 5.0—Orchestra. Conductor: Dejoncker. Gilman (Flute), Derissen (Cello). 6.0—Records: “L'Arlesienne” (Bizet). 6.15—Talk: Enthusiasm. 6.30—Brenders and the Station Dance Band. 7.30—Sports and Theatre Notes. 8.0—Radio Orchestra. Conductor: Gason. Overture, “Phèdre” (Massenet). Pavane pour une infante défunte (Ravel). Le pas des fleurs (Delibes). L'âne blanc (Huë). At the Circus (Aramandola). Ballet Music, “Bacchus” (Massenet). 9.0—Report by Paul Lévy: Catching a Train. 9.30—Yugoslav International Concert (Records). 10.0—News. 10.10-11.0—Brenders and the Station Dance Band.

BRUSSELS (No. 2) (Belgium)
932 kc/s (321.9 m.); 15 kW. Programme in Flemish. 6.37-9.0 a.m.—Records; News; Gym. 11.30—For Schools. 12.0 noon—Records. 12.31—Orchestra; Records. 1.30—Records. 2.0-2.3—Shipping. 4.55—News. 5.0—Radio Orchestra. Conductor: Gason. 5.30—For Children. 6.15—Records. 6.45—Talk. 7.0—Records. 7.30—News; Talk. 8.0—Symphony Orchestra. Conductor: Karel Candaël. Melin (Violin), Mondale (Cello). Overture, “Charlotte Corday” (Benoit). Violin and Orchestra: Tzigane (Ravel). In memoriam (Mortelmanns). Rondo capriccio (Saint-Saëns). Poème en forme de rapsodie (Candaël). 8.45—Talk: The U.S.A. 9.0—Orchestra (cont'd.). Finlandia (Sibelius). The Flute of Sans-Souci (Graener). Fantasia and Variations on a Schubert Waltz (Servais). Easter Overture (Rimsky-Korsakov). 10.0—News. 10.10-11.0—Records.

BUCHAREST (Romania)
823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania (Brasov) 160 kc/s (1,875 m.). Transmits at intervals from 10.30 a.m. 6.0—News. 6.15—Records: Overture, “Euryanthe” (Weber) by the Amsterdam Concertgebouw Orchestra. Conductor: Mengelberg. 6.24—Book Review. 6.35—Records: Act III, “Tannhäuser” (Wagner) by the Bayreuth Orchestra. Conductor: Elmendorf. 7.10—Educational Talk. 7.30—String Quartet. 8.5—Bach Arias. Rosette Hussar with Teodoresco (Flute) and Filionesco (Pfte.). Arias, “The Wedding Cantata,” “The St. John Passion” and the Coffee Cantata. 8.30—News. 8.45—Sabine Nicolesco (Harp). 9.15—Dinico 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.—László Horváth (Cello). 11.40—News. 12.0 noon—Police Band Concert. 1.40 p.m.—For Housewives. 3.10—For Schools. 4.0—Radics Cigány Band. 5.20—Report from the Control Point of

BERLIN (Germany)
841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Orchestra. 11.20-1.0 p.m.—See Hamburg. 1.0—News. 1.15—“Vienna-Budapest”—Concert by the Nera Monti Band. 2.0-2.30—Exchange; Markets. 3.0—“Football”—Sequence (Mühlenschulte). 3.30—German Folk Dances. 4.0—Felix Petyrek and Helene Renate Lang (Two Pfte.). Sonata in G (J. C. Bach). Rondo in C (Chopin). 4.30—Book Review. 4.50—“Winter”—Poems (Huchel, Drews, Köllweß). 5.0—See Stuttgart. 6.45—Evening Echo. 7.0—News. 7.10—See Frankfurt. 8.0—See Leipzig. 9.0—News. 9.25—To be announced. 9.40-11.0—Mozart Chamber Music by the Eweler Trio and Helmut Hildegheit (Pfte.). Divertimento in E flat. Pfte.: Rondo in D. Quartet in G minor. In the interval: “Mozart”—Sequence.

BEROMÜNSTER (Switzerland)
556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.). 5.30-5.55 a.m.—Gym; Weather. 9.20—For Schools. 11.0—Records. 11.29—Time; Weather. 11.40—Opera, Operetta and Sound Film Records. 12.25-12.35—Weather; Exchange. 3.0—Orchestra. Conductor: Gilbert. 3.30—Old French Music. Claire Levy (Harpichord) and the Radio Orchestra. Conductor: Hofmann. 4.20—String Sextet in A flat (Otto Rippl) by the Basle Chamber Music Society. 5.0—For Children. 5.30—Talk: The Age of the Earth. 6.0—Weather; Records. 6.25—Talk: Little-known Europe—The Principality of Monaco. 6.50 till Close Down—Programme from Berne. 6.50—Talk on the following transmission. 7.0—Symphony Concert by the Berne Music Society. Conductor: Luc Balmer. Walter Giesecking (Pfte.). In the interval at 8.0: News. 9.0—Weather.

BRESLAU (Germany)
950 kc/s (315.8 m.); 100 kW. Relayed by Gliwicz, 1,231 kc/s (243.7 m.). Transmits at intervals from 4.0 a.m. 11.0 a.m.—Orchestra. 2.0—

Markets. 2.10—Book Review. 2.30—Talk. 2.50—Bach Pfte. Music by Hans Borck. Chromatic Fantasia and Fugue. Italian Concerto. 3.20—Poems. 3.40—Good-natured Gossip. 4.30—Talk. 4.50—News; Markets. 5.0—Station Orchestra. Conductor: Rischka. Elisabeth Sprung (Soprano). 6.45—Address by the Station Director, Herr Krieger. 7.0—News. 7.10—“There was once a Hat”—Fairy Tale for Grown-ups (Lindegg), with Soloists and the Station Verse-speaking Choir and Dance Band. 9.0—News. 9.20—Theatre Talk. 9.30-11.0—Silesian Provincial Orchestra. Conductor: Weisshaupt. Das Teufels Lustschloss (Schubert). Ballet Music (Lempert). Waltz (Kutsch). Selection, “Die toten Augen” (d'Albert). Serenade and Arabesque (Kaun-Kochmann). Temple Dance (Grieg). Clog Dance (Lortzing). March, Ballet Music, Romance and Tarantella (Witte).

BRNO (Czechoslovakia)
922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.15 a.m. 6.30 p.m.—Margit Czuczanyi and Hochmann (Songs), Hanousek (Violin) and Station Orchestra. Conductor: Polásek. 7.30—Talk. 7.45—“Ludwig van Beethoven”—Sequence (Johanson). 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; Gym; News. 12.0 noon—Records: “Falstaff” (Verdi). 12.30 p.m.—Radio Orchestra. Conductor: Gason. In the interval at 1.0 p.m.: News. 1.30-2.0—Records. 4.55—News. 5.0—Orchestra. Conductor: Dejoncker. Gilman (Flute), Derissen (Cello). 6.0—Records: “L'Arlesienne” (Bizet). 6.15—Talk: Enthusiasm. 6.30—Brenders and the Station Dance Band. 7.30—Sports and Theatre Notes. 8.0—Radio Orchestra. Conductor: Gason. Overture, “Phèdre” (Massenet). Pavane pour une infante défunte (Ravel). Le pas des fleurs (Delibes). L'âne blanc (Huë). At the Circus (Aramandola). Ballet Music, “Bacchus” (Massenet). 9.0—Report by Paul Lévy: Catching a Train. 9.30—Yugoslav International Concert (Records). 10.0—News. 10.10-11.0—Brenders and the Station Dance Band.

BRUSSELS (No. 2) (Belgium)
932 kc/s (321.9 m.); 15 kW. Programme in Flemish. 6.37-9.0 a.m.—Records; News; Gym. 11.30—For Schools. 12.0 noon—Records. 12.31—Orchestra; Records. 1.30—Records. 2.0-2.3—Shipping. 4.55—News. 5.0—Radio Orchestra. Conductor: Gason. 5.30—For Children. 6.15—Records. 6.45—Talk. 7.0—Records. 7.30—News; Talk. 8.0—Symphony Orchestra. Conductor: Karel Candaël. Melin (Violin), Mondale (Cello). Overture, “Charlotte Corday” (Benoit). Violin and Orchestra: Tzigane (Ravel). In memoriam (Mortelmanns). Rondo capriccio (Saint-Saëns). Poème en forme de rapsodie (Candaël). 8.45—Talk: The U.S.A. 9.0—Orchestra (cont'd.). Finlandia (Sibelius). The Flute of Sans-Souci (Graener). Fantasia and Variations on a Schubert Waltz (Servais). Easter Overture (Rimsky-Korsakov). 10.0—News. 10.10-11.0—Records.

BUCHAREST (Romania)
823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania (Brasov) 160 kc/s (1,875 m.). Transmits at intervals from 10.30 a.m. 6.0—News. 6.15—Records: Overture, “Euryanthe” (Weber) by the Amsterdam Concertgebouw Orchestra. Conductor: Mengelberg. 6.24—Book Review. 6.35—Records: Act III, “Tannhäuser” (Wagner) by the Bayreuth Orchestra. Conductor: Elmendorf. 7.10—Educational Talk. 7.30—String Quartet. 8.5—Bach Arias. Rosette Hussar with Teodoresco (Flute) and Filionesco (Pfte.). Arias, “The Wedding Cantata,” “The St. John Passion” and the Coffee Cantata. 8.30—News. 8.45—Sabine Nicolesco (Harp). 9.15—Dinico 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.—László Horváth (Cello). 11.40—News. 12.0 noon—Police Band Concert. 1.40 p.m.—For Housewives. 3.10—For Schools. 4.0—Radics Cigány Band. 5.20—Report from the Control Point of

the Hungarian Automobile Club (on Records): The Monte Carlo Rally. 5.50—Records. 6.40—Philharmonic Society Concert from the Opera. Conductor: Dohnányi. Elly Ney (Pfte.). Hungarian Concert Rondo (Siklos). Pfte. Concerto in B flat (Brahms). Dante Symphony (Liszt). In the interval at 7.40: News. 8.50—News. 9.5—Eröss-Sovinszky Salon Orchestra. Miklos Sebő (Songs). 10.0—English Talk. 10.20—Lakatos Cigány Band. 11.5—News.

BUDAPEST (No. 2) (Hungary)
359.5 kc/s (834.5 m.); 20 kW. 5.50 p.m.—German Lesson. 6.35—Records. 7.20—Talk. 7.50—Sandor Pusztay (Songs).

COLOGNE (Germany)
658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Orchestra. 11.20-12.45 p.m.—See Hamburg. 12.45—Mining Report from Bochum. 1.0—News. 1.15—Schrammel Quartet. 1.45—Markets. 2.45-3.0—History and Old Music. 4.55—Markets. 5.0—See Stuttgart. 6.45—A Flying Visit. 7.0—News. 7.10—Station Orchestra. Conductor: Eysoldt. In the intervals at 7.30 and 8.15: Weekly Review. 9.0—News. 9.20-11.0—Lajos Kiss and the Engels Band, from Aix-la-Chapelle.

DEUTSCHLANDSENDER (Germany)
191 kc/s (1,571 m.); 60 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Munich. 12.45 p.m.—News. 1.0—Variety. 2.0—Announcements. 2.15—For Hitler Youth. 2.35—Boys visit the Deutsche Lufthansa. 3.0—Station Orchestra, Dietrich Schrammel Quartet and Engel (Xylophone), from the “Green Week” Exhibition. 5.0—Songs and Dances of the Crafts. 5.30—Talk: German. 5.45—Talk: General von Zieten. 6.0—Alpine Folk Music, from Stuttgart. 6.45—Topical. 7.0—Motto; News. 7.10—“All change!”—South and North in the Waiting Room. 7.55—Dante Symphony (Liszt), from Budapest. 8.45—Records: Don Cossack Choir. 9.0—News. 9.30—String Trio (Mirsch-Riccius). 10.0-11.0—Dance Band.

FRANKFURT (Germany)
1,195 kc/s (251 m.); 25 kW. Relayed by Cassel, Coblenz, Freiburg, Kaiserslautern and Trier, 1,195 kc/s (251 m.). Transmits at intervals from 5.0 a.m. 11.0 a.m.—Orchestra. 11.20—See Hamburg. 1.0 p.m.—News. 1.10—Variety, from Deutschlandsender. 2.0—Talk: The Eifel District; Markets. 2.15—For Children. 2.45—Concert, Part I, Light Music—Orchestra and Soloists. Conductor: Schmittbecher. Part II, Chamber Music. 4.30—For Hitler Youth. 5.0—See Stuttgart. 6.45—Topical. 6.55—Markets. 7.0—News. 7.10—Folk Music. Station Choir, Accordion Band, Krüger (Soprano) and Klehammer (Guitar). 8.0—“The Family Circle”—Humorous Sketches (Schwerla). 8.15—Stürmer Concert. Station Orchestra. Conductor: Rosbaud. Introduction and Passacaglia. Variations and Fugue. Burlesque Music. Fantastic Prelude. 9.0—News. 9.30—See Breslau. 11.0-1.0 a.m. (Tuesday)—Brahms. Irmgard Sturtz (Contralto), Peischer (Violin) and Rosbaud (Pfte.). Violin Sonatas in G and A. Songs. Violin Sonata in D minor.

HAMBURG (Germany)
904 kc/s (331.9 m.); 100 kW. Relayed by Bremen, Flensburg, Hanover, Magdeburg and Stettin, 1,330 kc/s (225.6 m.). Transmits at intervals from 5.0 a.m. 11.20 a.m.—Symphony Orchestra from Hanover Castle. 1.0 p.m.—News. 1.20—Music. 2.0—Exchange. 2.40—Shipping. 3.0—See Deutschlandsender. 4.0—Folk Songs. 4.45—Talk. 5.0—See Stuttgart. In the interval at 5.45: Shipping. 6.45—Talk. 7.0—News. 7.10—“Destiny”—Mozart Sequence (Sander). 8.30—Classical Variations—Orchestra. Conductor: Döring. Variations on a Beethoven Theme (Leifs). Variations on a Schubert Theme (Heuberg). 9.15—News. 9.40—Sports Report. 10.0-11.0—The Bremen Stadtmusikanten—Conductor: Krug. Lüder (Pfte.). Overture, “Der Schauspieldirektor” (Mozart). Ochsenmenuet (Haydn). Pfte.: (a)

MONDAY (January 27)

Rondo in G (Beethoven), (b) Der Schmetterling (Grieg). Hungarian Fantasia (Theile). Selection, “The Hermit's Bell” (Maillart). Pfte.: (a) Improvviso in E flat (Schubert), (b) Waltz in A flat (Chopin). Idyll (Schroeder). Gladiolas (Lohr).

HILVERSUM (1,875 m.) (Holland)
160 kc/s; 10 kW. until 2.40 p.m. 100 kW. from 2.40 p.m. A.V.R.O. Programme. 7.40 a.m.—Time. 7.41—Records. 8.40—Jonny Kroon's Orchestra. 9.40—Time. 9.41—Service. 9.55—Records. 10.10—Orchestra (cont'd.). 10.40—Frans Hasselaar (Organ) and Elisabeth Glastra van Loon (Soprano). 11.41—Kovacs Lajos' Orchestra. 12.25 p.m.—Records. 12.55—Kovacs Lajos' Orchestra. 1.40—Gütlich (Cello) and Nellie Streng-Pieters (Pfte.). 2.10—Light Music. The “Maaskanters.” Conductor: te Nuijl. In the interval: Reading. 4.10—Talk; Records. 5.10—“Lyra” Trio. 5.55—Dance Music—A.V.R.O. Decibels. Conductor: Meenk. Topy Glerum (Songs). 6.40—Talk. 7.10—Records. 7.25—Talk. 7.41—News. 7.50—Records. 8.40—Russian Concert. A.V.R.O. Orchestra. Conductor: Treep. Mrs. Grondijs de Gontcharenko Pentrenko (Pfte.). In the interval: Reading. 9.40—Records. 9.55—A.V.R.O. Aeolian Orchestra. 10.40—News. 10.50-11.40—Pali Tot's Orchestra, from the “Restaurant Heack,” The Hague.

HILVERSUM (301.5 m.) (Holland)
995 kc/s; 15 kW until 2.40 p.m. 60 kW from 2.40 p.m. N.C.R.V. Programme. 7.40-9.19 a.m.—Bible Reading; Prayer; Records. 10.10—Service. 10.40—Bible Reading. 11.10—Records; Announcements. 12.10 p.m.—Mme. A. de Vink-Verschoor (Soprano), Mlle. Geuze (Mezzo-Soprano), v. Hoek (Violin) and Schellevis (Pfte.). 1.40—For Schools. 2.15—Records. 2.25-2.55—For Housewives. 3.10—Records. 3.40—Bible Reading. 4.25—Records. 4.40—Amsterdam Salon Orchestra. Conductor: Kieckens. 6.10—Letter-box. 6.40—Announcements; Report; Letter-box. 7.40—Press Review; Mile. Molsbergen (Songs). 8.40—Talk. 9.10-9.40—Zwart (Organ). 10.10-11.10—Records.

KALUNDBORG (Denmark)
238 kc/s (1,261 m.); 60 kW. Relayed by Copenhagen, 1,176 kc/s (255.1 m.). Transmits at intervals from 6.0 a.m. 11.0 a.m.—1.0 p.m.—Magnussen String Ensemble. 2.20—Radio Orchestra. Conductor: Reesen. Fabricius (Cello). In the interval at 3.5: Domestic Science. 4.35—Exchange; Markets. 4.45—Poem. 4.50—Talk: Road Accidents. 5.20—English Lesson. 5.50—Wireless Notes. 6.0—News. 6.20—For the Unemployed. 6.30—Talk: Foreign Exchange Press Reports. 7.0—Romantic Music. Radio Orchestra. Conductor: Grøndahl. Overture, “Der Freischütz” (Weber). Tales from the Vienna Woods (Strauss). Ballet Music, “Rosamunde” (Schubert). Nachklänge aus Ossian (Gade). Cecilia (Lumbye). Bouquet royal (Lumbye). 8.0—Folk Songs of Many Lands by Engel Lund. Newfoundland: She's like the Swallow. America: The Deaf Woman's Courtship. France: (a) Breton Lullaby; (b) Les trois belles princesses. Yiddish Love Song and Wedding Song. Norway: (a) Leirungsdal; (b) Jeg heter Anne Knutsdatter; (c) Sweden: (a) Limu lima; (b) Kristallen den fina. Denmark: (a) Første Juledag; (b) Jeg kan se paa dine Øjne. 8.30—Reading. 9.0—News. 9.15—Milhaud Pfte. Records. 9.25—Flute Quintet in A (Kuhlau). 10.0-11.30—Donde Dance Band.

KÖNIGSBERG (Heilsberg) (Germany)
1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.). Transmits at intervals from 5.3 a.m. 11.0 a.m.—Orchestra. 11.20-1.0 p.m.—See Hamburg. 1.0—News. 1.15—Talk. 1.30—Band from Berlin. 2.0—Markets. 2.10—Talk. 2.30—British and Scandinavian Folk Songs by Heiti Böhnke (Soprano). Pfte. in the interval. 3.0—Announcements.

MONDAY (January 27)

3.10—Orchestra. 4.20—For Housewives. 4.40—For Farmers. 5.0—See Stuttgart. 6.45—Topical. 7.0—News. 7.10—"The Basllisk's Egg"—a Winter Sequence, with the Borschel Band. 7.45—Station Orchestra and Choir. Conductors: Bruckner and Firchow. Fröhlen (Viola). Overture, "Reineke Fuchs" (Bleyle). Four Chorals (Brahms). Ballet, "Blondin im Glück" (Grimm). Viola Concerto (Fröhlen). Dances, "Don Quixote" (Kunze). Pieces (Willms): (a) Peasant Waltz, (b) Nightingale and Frog. (c) Ride of the Hungarian Hussars. Emperor Waltz (Strauss). 9.0—News. 9.20—Borschel Dance Band. 10.0—Discussion: Telepathy. 10.20-11.0—Borschel Dance Band.

LEIPZIG (Germany) 785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.). Transmits at intervals from 5.0 a.m. 11.0 a.m.—Orchestra. 11.20-1.0 p.m.—See Hamburg. 1.0—News: Exchange. 1.15—Variety from Deutschlandsender. 2.0—Anniversaries. 2.5-2.20—Art Review. 2.50—Markets. 3.0—For Children. 3.30—Ursula Lentrod (Harp) and Rummel (Flute). 4.0—Weather: Markets. 4.10—Talk: Winter in Vostland. 4.30—Light Music. 4.40—Talk: General von Zieten. 5.0—See Stuttgart. 6.45—Talk. 6.55—News. 7.0—Variety by Hitler Youth. 8.0—Leipzig Symphony Orchestra. Conductor: Weber. Heinrich (Oboe) and Heyde (Bassoon). Comedy Overture (Fiedler). Concerto for Oboe, Bassoon and Orchestra (Joseph Schubert-Gensler). Prelude to "Gaudemus" (Humperdinck). Pesterh Karneval (Liszt). 9.0—News. 9.20—"The Song of a Great Love"—Sequence from the Letters of Wagner and Mathilde Wesendonck (Müller). 10.0-11.0—Concert from Breslau.

LILLE (Radio PTT Nord) (France) 1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.30 a.m. 7.30 p.m.—Records of Wilhelm Kempff (Pfte.). 7.45—Records of Fred Guin. 8.0—Dance Records. 8.30—"Le pardon"—Play (Lemaître). 10.30—News.

MADRID (EAJ7) (Spain) 1,095 kc/s (274 m.); 10 kW. Transmits at intervals from 1.0 p.m. 9.0 p.m.—Talk. 9.15—Maria Sánchez-Gil (Pfte.). 10.0—Chimes. 10.5—News. 10.20 (approx.)—Pepita Rollán (Soprano); Station Sextet. 11.15—Dance Music. 11.45—News. 12.0 m't—Chimes.

MONTECENERI (Switzerland) 1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 11.0 a.m. 6.0 p.m.—Records. In the interval at 6.15: Parliamentary Notes. 6.45—News. 7.0—"A Day of Happiness"—Play (Weisz). 8.15—"Cavalleria rusticana"—Opera (Masagnì), on records.

MOSCOW (No. 1) (Russia) 174 kc/s (1,724 m.); 500 kW. Transmits at intervals from 2.40 a.m. 4.30 p.m.—Demianov (Baritone); Simsky (Violin). 5.45—Concert Version, "Russian and Ludmilla"—Opera (Glinka). 7.0—"The Station Dalikoie"—Play (Afinoguévov). 8.0—For Children (German). 9.5—Talks (English): (a) The 1936 Budget, (b) Interview with a Metro Worker. 10.0—Talk (Hungarian): The 1936 Budget.

MUNICH (Germany) 740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.). Transmits at intervals from 5.0 a.m. 11.0 a.m.—Orchestra. 1.20-1.40 p.m.—News. 2.40—Songs. 3.0—Markets. 3.10—Reading. 3.30—Review of Periodicals. 3.50—Concert. Five Baltic Folk Songs. Quintet in C (Schnabel). 4.30—Wolf Justin Hartmann reads. 4.50—Markets. 5.0—String Orchestra and Mandoline and Guitar Orchestra. 6.45—Talk: The Rehse Collection. 7.0—News. 7.10—Station Dance Band. Schindler (Tenor). 8.0—"The Midnight Wedding"—Play (Peter Paul Althaus). Music by Kusche. 9.0—News. 9.20—To be announced.

10.0-11.0 (from Nürnberg) — Orchestra and Soloists.

OSLO (Norway) 260 kc/s (1,153.8 m.); 60 kW. Relayed by Fredrikstad, 776 kc/s (386.6 m.); Hamar, 519 kc/s (578 m.); Notodden, 1,357 kc/s (221.1 m.); Porsgrund, 850 kc/s (352.9 m.); Rjukan, 1,348 kc/s (222.6 m.); and Trøndelag, 629 kc/s (476.9 m.). Transmits at intervals from 10.30 a.m. 4.0 p.m.—Light Music. 5.0—To be announced. 5.30—Wang (Saxophone) and Mme. Nina Bergh (Songs). 5.55—News. 6.30—Talk. 7.0—Norwegian Music. Philharmonic Orchestra. Conductor: Kielland. Sylou-Kreutz (Pfte.). Symphonic Poem, John Gabriel Borkmann (Borghström). Norwegian Suite. Pfte. Concerto in E minor (Sylou-Kreutz). Three Pieces (Backer-Lunde). Piece (Alnaes). 8.10—Foreign Affairs. 8.40—News. 9.0—Topical. 9.15-9.45—Old Dances (Bolstad)—Bolstad Orchestra.



Ernst von Dohnányi, who conducts the Budapest No. 1 Concert at 6.40 p.m.

PARIS (Eiffel Tower) (France) 1,456 kc/s (206 m.); 20 kW. Transmits at intervals from 8.0 a.m. 7.0 p.m.—News. 7.20—Foreign Affairs. 7.45—Records. 8.0—Home Affairs. 8.30—Station Orchestra. Conductor: Clergue. Accord Parfait Vocal Quartet. Part I, Symphony (Haydn). Part II, Ladmiraute Music. Dances, "La Prêtresse de Korydwen." Songs: (a) Ils sont venus, (b) La ville des mille âmes, (c) Dans un beau château. Rhapsodie galéique. Songs: (a) Chansonnettes, (b) Fugue sur la vigne au vin. Le roman de Tristan. In the interval: News.

PARIS (Poste Parisien) (France) 959 kc/s (312.8 m.); 60 kW. Transmits at intervals from 7.10 a.m. 12.0 noon—Exchange. 12.5 p.m.—Records: Military Music. 12.15—Sketches (on Records). 12.25—Interview. 12.35—Station Orchestra. 2.0, 3.15, 3.45, 4.35, 6.15—Exchange. 6.20—Topical Talk. 6.27—Records: Ballet Music, "Aïda" (Verdi). Finale, Act II, "Aïda" (Verdi). 6.42—Economics Talk. 6.49—Records: Rosina's Aria, "The Barber of Seville" (Rossini) by Erna Sack. 6.57—Topical Talk. 7.4—Sports Notes. 7.10—News. 7.25—Gardening Talk. 7.32—Amusement Guide. 7.35—Film Records. 7.50—Records: Selection, "Paganini" (Lehár) by Edith Lorand's Orchestra. 8.15—Humorous Programme. 9.5—Programme by René Herent. 9.20—"Follow the Guide"—Sketch. 9.35—Talk by Paul Reboux. 9.50—Quartet in C minor (Brahms). 10.30—Records: Light Music. 11.0-11.15—Topical Talk.

PARIS (PTT) (France) 695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.50 a.m. 4.0 p.m.—Jean Arnauld (Organ) from the Schola Cantorum. 4.30—Television. 5.0—Paris Symphony Orchestra. Conductor: Tomasi. Overture, "Le Châlet" (Adam). Ballet, "Hamlet" (Thomas). Overture and Waltz, "Le timbre d'argent" (Saint-Saëns). 5.30—For Gardeners. 5.37—Social Questions. 5.52—Topical. 6.0—Paris Symphony Orchestra (contd.). Claire Chalande (Soprano). Prelude, "La Damoiselle élie" (Debussy). Feuille d'images (Aubert). Proses lyriques (Debussy). Songs: (a) Alleluia (Mozart), (b)

Amarilli (Caccini), (c) Clytemnestre (Gluck). 6.30—News: Reviews. 7.20—Radio Press Review. 7.38—Paris Symphony Orchestra (contd.). Ballet, "Manon" (Massenet). Waltz, "The Count of Luxembourg" (Lehár). 8.0—Economics. 8.15—Foreign Affairs. 8.23—Marie Simon (Songs). Non Credo (Widor). Pourquoi les oiseaux chantent (Dubois). Clarté (Revel). 8.30—"Madame Béliard"—Three-Act Play (Vildrac) by Actors of the Comédie Française. 10.30—News.

PARIS (Radio-Paris) (France) 182 kc/s (1,648 m.); 80 kW. 6.45 a.m.—Gym. 7.0—Records. 7.15—News. 7.45—Gym. 8.0—Legal Talk. 8.15—Records. 11.0—Padeloup Concert Orchestra. Conductor: Flament. Mlle. Leberg (Songs). In the interval at 12.0 noon: For Farmers; Markets; and at 12.45 p.m.: News; Review by Pierre Scize. 2.0—For Women. 2.15—Talk: Justice. 2.30—Gabrielle Wassner (Songs). Mme. Roger Mielos (Pfte.). 3.0—Records: Old Dances. 3.30—Reading: "La Fédera" (Daudet). 3.45—Reading. 4.0—See Strasbourg. 5.0—The Week's Historical Anniversaries. 5.10—Poems (Baudelaire) by Mme. Hawkins. 5.30—Paris Symphony Orchestra. Conductor: Tomasi. Claire Chalande (Songs). Symphony No. 2 in E flat (P. E. Bach). Songs (Liszt and Faure). 6.0—Economics. 6.30—Paris Symphony Orchestra (contd.). Coriolanus Overture (Beethoven). Eighth Symphony (Beethoven). Le rouet d'Onphale (Saint-Saëns). Festival March (Mussorgsky). 7.28—Markets. 7.30—Book Review. 7.45—Illustrated Talk: The Monologue to-day.

8.0—"Tout à credit"—Musical Sketch (Cor-Zym). 8.30—Press Review. 8.45—Reitlinger Quartet. Mme. Blanc-Audra (Songs) and Yvonne Ducos (Recitations). Trio in F (Saint-Saëns). Song (Bach). Aria (Handel). Two Songs (Froberg). Recitations: (a) Selection, "Rolla" (de Musset), (b) Un soir à Véronne (Comtesse de Noailles), (c) Venus de Milo (de Lisle), (d) Ophélie (André Dumas). Rondo capriccioso (Saint-Saëns). Songs: Air romantique (Poulenc), (e) Air champêtre (Poulenc), (f) C'est l'extase (Debussy), (d) Il pleut dans mon coeur (Debussy), (e) L'ombre des arbres (Debussy). Recitations: (a) L'idéal du Poète (Baudelaire), (b) Stances (Bourget), (c) Poème (Porché), (d) Poème (Grehg). Quartet: (a) Dans la forêt mystérieuse (Glazunov), (b) Fêtes (Glazunov). 10.45—Dance Music by "Les Cadets de France". 11.15-12.15 a.m. (Tuesday)—Light Music by "Les Cadets de France".

PRAGUE (Czechoslovakia) 638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.15 a.m. 11.15 a.m.—Report: The Monte Carlo Rally, from the Control Point in Prague. 11.25—News. 11.35—Muzik Quartet. 12.30 p.m.—Labour Exchange. 12.40—Records. 12.50—Exchange. 12.55—Exchange and Markets (in German). 2.0—Records. 3.0—Exchange: Weather. 3.10—Orchestra. 4.0—For Children from Brno. 4.15—Talk. 4.25—Record. 4.30—Educational Report. 4.40—"An die ferne Geliebte"—Song Cycle (Beethoven). Emma Matysová-Svecena (Songs). 5.0—For Farmers. 5.10—German Transmission: Sports; Topical; Talk. 5.45—News (in German). 5.55—Record. 6.0—News. 6.10—Record: 6.15—English Lesson. 6.30—See Brno. 7.30—Talk: Czechoslovakia's Textile Industry. 7.45—See Brno. 9.0—News. 9.15—Record. 9.20—Russian Lesson. 9.35—Record. 9.40-10.0—News (German).

RADIO-NORMANDIE (France) 1,113 kc/s (269.5 m.); 15 kW. 7.0 a.m.—Records. 7.20—News. 7.48—Racing. 7.53—For Housewives. 8.0—Records. 8.15—Time; Records. 8.30—Songs. 8.45—Light Music. 9.0—Time; Records. 9.15—Light Music. 9.30—Film Music. 9.45—Dance Music. 10.0—Symphony Orchestra. 11.0—Chansonnettes. 12.0 noon—Military Music. 12.30 p.m.—Records. 12.45—News. 12.57—Popular Music. 1.30—Report on the Monte Carlo Rally from the Boulogne Control Point. 3.30—Records. 4.0—Teatime Hour. 4.45—Children's Corner. 5.0—Time; Dance Music. 5.15—Records. 5.30—Concert. 6.0—For Children. 6.45—News. 7.0—Records. 7.15—Sports. 7.30—Light Music. 7.45—News. 8.0—Georges Berr

(Recitations). 8.15—Hawaiian Guitar. 8.30—Talk. 8.40—Dialogues. 9.0—Dramatic and Musical. Part I. From the Grand Theatre, Le Havre. Part II. Le Havre Mandoline Band. Conductor: Venditti (Guitar), Jardin (Tenor), Mlle. Giselle (Songs). 11.0—Dance Music. 11.30—News. 11.40—Variety. 12.0 m't-2.0 a.m. (Tuesday)—Dance Music. In the interval at 12.30: Time.

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

ROME (Italy) 713 kc/s (420.8 m.); 50 kW. Relayed by Naples, 1,104 kc/s (271.7 m.); Bari (No. 1), 1,059 kc/s (283.3 m.); Bari (No. 2), Milan (No. 2), and Turin (No. 2), 1,357 kc/s (221.1 m.). Transmits at intervals from 6.45 a.m. 4.15 p.m.—Dance Records. 5.0-5.10—For Farmers; Corn Prices. 5.50—Announcements. 6.0—News: Tourist Talk in French. 6.20—News (English). 6.44—News (French). 7.5—Talk by Senator Davanzati. 7.15—News. 7.35—Symphony Concert. Conductor: Freccia. Serenade (Rota). Le Fontane di Roma (Respighi). Death and Transfiguration (Strauss). In the interval: Talk. 8.50—Announcements. 9.0—Light Music and Dance Music, by the Cetra Orchestra. 10.0—News.

SOTTENS (Switzerland) 677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.). 11.30 a.m.—News. 11.40-1.0 p.m.—Programme from Geneva. 11.40—Records. 12.0 noon—News. 12.3 p.m.—Records. 3.30-5.0—See Beromünster. 5.0-7.20—Programme from Geneva. 5.0—For Women. 5.30—Esperanto Lesson. 5.40—Bridge Lesson. 5.55—Film Talk. 6.10—Records. 6.15—Music Talk with Illustrations: "Pelleas et Mélisande". 6.30—Music Review. 6.40—News. 7.0—Bach: Recital by Montillet (Organ). Prelude and Fugue in E minor. Allein Gott in der höh sei Ehr. Fugue in G minor. 7.20—Talk on the following Transmission: Concert arranged by the Lausanne Concert Society. Radio Suisse romande Orchestra. Conductor: Emile Ribaupierre. André Ribaupierre (Violin). Overture, "Alceste" (Gluck). Symphony in B flat (Schumann). Violin Concerto in D (Beethoven). Prelude, "Pelleas et Mélisande" (Faure). Overture, "Le Baruffe Chiozzotte" (Simgaglia). In the interval at 8.20: News.

9.30-9.50—League of Nations Report. STOCKHOLM (Sweden) 704 kc/s (426.1 m.); 55 kW. Relayed by Motala, 216 kc/s (1,389 m.); Göteborg, 941 kc/s (318.8 m.); Hörby, 1,131 kc/s (265.3 m.); and Boden, 392 kc/s (765 m.). Transmits at intervals from 6.20 a.m. 4.5 p.m.—Norrländ Folk Music and Stories. 4.35—Talk. 5.5—Records. 5.55—Parliamentary Review. 6.15—News. 6.30—Cabaret. 7.0—Talk: The Population Census. 7.30—Septiman Orchestra. Akerberg (Trumpet). 8.25—Reading. 8.45—News. 9.0-10.0 (from Göteborg)—Göteborg Chamber Orchestra. Guest Conductor: Oswald Kabasta. Suite in B minor for Flute and Strings (Bach). Siegfried Idyll (Wagner). Symphony in D (Schubert).

STRASBOURG (France) 859 kc/s (349.2 m.); 120 kW. Transmits at intervals from 6.45 a.m. 4.0 p.m.—Chamber Music. 5.0—Exchange. 5.15—Records. 6.0—Literary Review. 6.15—Dance Records. 6.30—Reading. 6.45—Orchestra. Seiler (Violin). Slav Rhapsody (Friedemann). Potpourri (Zimmer). Violin: Waltz (Kotelbey). Selection, "The Desert Song" (Romberg). The Blue Pavilion (Armandola). 7.30—News (French, German). 8.10—Records. Cigany Music. Pfte. Concerto in B flat (Mozart) by Arthur Schnabel and the London Symphony Orchestra. 9.0—Opera Excerpts by the Cast of the Municipal Theatre, from the Salle de l'Aubette.

STUTT GART (Germany) 574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Orchestra. 11.20-1.0 p.m.—See Hamburg. 1.0-2.0—See Deutschlandsender. 3.0—Orchestra. 4.45—Report from a Tannery.

5.0—Alpine Music by Peasant Bands, the Mönch Zither Trio and Soloists. 6.45—Records. 7.0—News. 7.10—Friedrich List—Biographical Sequence after the Novel by Walter von Molo (Böhlinger). 8.0—See Leipzig. 9.0—News. 9.30—Repetition on Records of the 6.40 Budapest Concert. 10.30—Concert from Breslau. 11.0-1.0 a.m. (Tuesday)—See Frankfurt.

TOULOUSE (Radio-Toulouse) (France) 913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.15 a.m. 6.0 p.m.—Exchange. 6.5—Light Music. 6.20—Soloists. 6.30—Opera Music. 6.45—News. 6.50—Chansonnettes. 7.5—Orchestra. 7.30—News. 7.45—Concert. 8.30—Concert Version: "Le grand Mogol" (Audran). 8.50—Salon Orchestra. 9.0—"Choruses"—Fantasy. 9.35—Selection, "Les dragons de Villars" (Maillart). 9.45—Concert Version, "The Love Parade" (Schertzinger). 10.5—Concert. 10.35—News. 10.50—Band. 11.0—Light Music. 12.15 a.m. (Tuesday). News. 12.20-12.30—Marches.

TURIN (No. 4) (Italy) 1,140 kc/s (263.2 m.); 7 kW. Relayed by Milan (No. 1) 814 kc/s (368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,222 kc/s (245.5 m.); Florence, 610 kc/s (491.8 m.); and Bolzano, 536 kc/s (559.7 m.). Transmits at intervals from 6.45 a.m. 4.15 p.m.—Chamber Music. 4.55-5.10—Weather; For Farmers; Corn Markets. 5.50—Announcements. 6.0—News in Foreign Languages. 7.5—Talk by Senator Davanzati. 7.15—News. 7.35—Band. Conductor: Marchesini. March (Marchesini). Excerpts, "Hero and Leander" (Mancinelli). Histoire d'un Pierrot (Costa). Moto perpetuo (Paganini). Il paese dei campanelli (Ranzato). Spanish Rhapsody (Panna). Estudantina (Waldeufel). In the interval: Music Talk. 8.45—Talk by Adriano Prandi. 9.0—The "Cantatrice Italiana." Conductor: Maddalena Pacifico. Canto alla moda (Rossini). Three Songs (Massavani). Jazz Waltz (Colacicchi). Three Neapolitan Songs (Malena). Il cacciatore belfatto (Montanaro). Vola! vola! (Albanese). 10.0—News (Italian, Spanish).

VIENNA (Austria) 592 kc/s (506.8 m.); 100 kW. Relayed by Graz, 886 kc/s (338.6 m.); Innsbruck, 519 kc/s (578 m.); Dornbirn, Klagenfurt, Linz, 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. 6.20—Talk. 6.30—Talk with Records: Indian Customs. 7.0—Gala Concert from the New Linz Regional Transmitter. 8.0—Russian Music. Vienna Symphony Orchestra. Guest Conductor: Albert Coates. Vera Villiers (Soprano). Symphonie classique (Prokofiev). Songs (Coates): (a) Guinevere, (b) Ave Maria. Eight Russian Songs for Orchestra (Liadov). Finale, "The Fire-Bird" (Stravinsky). 9.0—News. 9.10—Ski-ing Championship Report from Bad Ischl. 9.20—Light Music by the Radio Section of the Vienna Symphony Orchestra. 10.0—News. 10.15—Light Music (contd.). 10.45-12.0 m't—Fox Dance Band.

WARSAW (Poland) 224 kc/s (1,339 m.); 120 kW. Relayed by Cracow, 1,022 kc/s (293.5 m.); Katowice, 758 kc/s (395.8 m.); Łódz, 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. 3.0 p.m.—German Lesson. 3.45—"Eureka"—Sketch (Ptakowski). 4.0—For Housewives. 4.15—Poems. 4.20—Cecile Węgrzynowska (Songs). 4.50 (from Wilno)—Talk: Animal Psychology. 5.0 (from Wilno)—Contemporary Music by Szpinalski (Pfte.). 5.30—Children's Letters. 5.40—Literary and Art Notes. 5.45—Announcements. 6.35—Sports. 6.50—Topical. 7.0—Russian Music by a Naval Band from Gdynia. Conductor: Dulin. 7.45—News. 7.55—Talk: Poland to-day. 8.0—Symphony Concert. Station Symphony Orchestra. Conductor: Fiteberg. Ojstrach (Violin). Overture, "Abu Hassan" (Weber). Summer Evening (Kodály). Violin Concerto in D (Tchaikovsky). 9.0—Literary Programme. 9.30—Dance Records.

4 p.m.

BERLIN, Schubert and Liszt. 4.30—Talk. BEROMÜNSTER, See Sottens. BRESLAU, Variety. 4.30—Talks. BUDAPEST (1), Medical Talk. 4.30—Orchestra. COLOGNE, Variety. DEUTSCHLANDSENDER, Variety from the Green Week Exhibition. 4.30—Report. FRANKFURT, Records. 4.30—"National Health"—Sequence. HAMBURG, Review. 4.15—Variety. HILVERSUM (1,875 m.), Violin, Pfte. 4.10—Children's Choir. 4.40—For Children. HILVERSUM (301.5 m.), K.R.O. Boys, Records. KALUNDBORG, For Children. 4.35—Exchange; Talk. KÖNIGSBERG, Talks. 4.30—Discussion, Markets. LEIPZIG, Exchange. 4.10—Talk. 4.30—Light Music, Talk. MUNICH, Armin Knab and Lukas Böttcher Recital. 4.45—Call of Youth. 4.50—For Farmers. OSLO, Concert. PRAGUE, For Children. 4.20—Songs. 4.40—Talks. Records. RADIO-NORMANDIE, Tea-Time Hour. 4.45—Children's Corner. RADIO-PARIS, Songs, Records. SOTTENS, Accordion. 4.15—Orchestra. STOCKHOLM, 4.30—Talk, Records. STUTTGART, See Deutschlandsender. 4.45—Talk. WARSAW, Talk. 4.15—Orchestra, Letters.

5 p.m.

ATHLONE, 5.30—For Children. BERLIN, See Munich. BERO-MÜNSTER, Records. 5.30—For Young People. BRESLAU, See Munich. BRUSSELS (1), Records. 5.30—Arias. 5.45—Play (Rostand). BRUSSELS (2), Records. 5.40—For Children. BUDAPEST (1), Orchestra, Talk. COLOGNE, Orchestra. DEUTSCHLANDSENDER, Songs, Review. 5.40—To be announced. EIFFEL TOWER, 5.15—Lecture from the Sorbonne. FRANKFURT, See Munich. HAMBURG, See Munich. HILVERSUM (1,875 m.), For Children. 5.10—Talk. 5.40—Light Music. HILVERSUM (301.5 m.), Records. 5.10—K.R.O. Orchestra; Records. KALUNDBORG, Talk. 5.20—German Lesson, Announcements. KÖNIGSBERG, See Munich. LEIPZIG, Orchestra, Soprano, Pfte., Violin. MOSCOW, Poems (Pushkin). MUNICH, Orchestra, Accordion, Military Band. OSLO, Esperanto Association Anniversary Programme, For Women. 5.55—News. PARIS (PTT), Padeloup Concert Orchestra. 5.30—Three Talks. PRAGUE, Exchange. 5.10—Concert. 5.45—News (Records). RADIO-NORMANDIE, Time, Dance Music. 5.15—Mandoline. 5.30—Records. RADIO-PARIS, English Lesson. 5.20—Shipping. 5.30—Padeloup Concert Orchestra. Nika Monastri (Songs). ROME, For Farmers, Announcements. SOTTENS, Commercial Classes, For Children. 5.50—Records. STOCKHOLM, Records. 5.45—French Lesson. STUTTGART, See Munich. WARSAW, Chamber Music. 5.30—Talk, Announcements, For Farmers.

6 p.m.

ATHLONE, For Children. 6.15—News in Irish, Records. 6.45—News. BERLIN, See Munich. BERO-MÜNSTER, Talk. 6.20—French Lesson. BRESLAU, See Munich. BRUSSELS (1), Play. 6.20—Tea Time at the "Home des Artistes"—Relay. BRUSSELS (2), For Children. 6.15—Records. 6.45—Talk. BUCHAREST, News, Exchange, Letter-box. 6.15—Choir. 6.40—Notes. 6.50—Raie da Costa Pfte. Music. BUDAPEST (1), Talk. 6.20—Ruttikay and Varady Music. COLOGNE, Orchestra. 6.45—Snapshots. DEUTSCHLANDSENDER, "Adam v. Eve"—Variety. 6.45—Topical. EIFFEL TOWER, Lecture (contd.). 6.15—Records. 6.45—Talk. FRANKFURT, See Munich. 6.45—Announcements. 6.50—See Munich. HAMBURG, Contemporary Songs. 6.25—Dance Bands and Soloists. HILVERSUM (1,875 m.), Light Music. 6.40—For Children. 6.45—Children's Choir. HILVERSUM (301.5 m.), K.R.O. Orchestra. Records. 6.20—Esperanto, News. KALUNDBORG, News. 6.30—Talk. KÖNIGSBERG, See Munich. 6.45—Topical. LEIPZIG, Orchestra (contd.). 6.45—A Story, Topical. MOSCOW, Concert. MUNICH, Accordion, Military Band. 6.50—Talk. OSLO, News. 6.30—Violin. PARIS (PTT), Padeloup Concert Orchestra, Nika Monastri (Songs).

6.30—News. POSTE PARISIEN, 6.15—Exchange, Religious Address. 6.35—Beethoven Song Records. 6.45—Talk. 6.55—Records. PRAGUE, News. 6.10—Military Band. 6.45—Discussion. RADIO-NORMANDIE, For Children. 6.45—News. RADIO-PARIS, Dramatic Programme. 6.30—Padeloup Concert Orchestra (contd.). RADIO-ROMANIA, See Bucharest. ROME, News, Tourist Report (English). 6.20—News in Foreign Languages. SOTTENS, Talk. 6.20—Song Records, Letter-box. STOCKHOLM, French Lesson. 6.15—News. 6.30—"The Birds"—Play (Aristophanes). STRASBOURG, 6.15—Spanish Music. 6.45—Topical Talk. STUTTGART, See Munich. 6.30—Report. 6.45—For Hitler Youth. TURIN, News in Foreign Languages. VIENNA, News. 6.30—Two Talks. WARSAW, Announcements. 6.35—Sports. 6.50—Topical Talk.

7 p.m.

ATHLONE, Old Music—Orchestra, Songs. 7.45—For Farmers. BERLIN, News, Topical Talk. 7.10—"Die erste Linie"—Play (Engasser) with Music. BEROMÜNSTER,

ments, Talk, Records. 7.55—Charles Panzera (Baritone). PRAGUE, Introductory Talk. 7.5—Music by Pilsen Composers. 7.45—Excerpts, "Dinner at Eight"—Play (Kaufman-Edna Ferber). RADIO-NORMANDIE, Light Music, Interview, News. RADIO-PARIS, Padeloup Concert Orchestra (contd.). 7.30—Talks. ROME, Announcements, Talk. 7.15—News. 7.35—"Poker des Dames"—Operetta (Ettore). SOTTENS, Pontaise Choir. 7.20—Orchestra. STOCKHOLM, "The Birds" (contd.). 7.50—Lamond (Pfte.). STRASBOURG, Russian Music. 7.30—News (French, German). STUTTGART, News. 7.10—Beethoven Concert from the Liederhalle: Orchestras, Choirs and Soloists. TOULOUSE, Viennese Orchestra. 7.15—Humorous Scenes. 7.25—Selection, "Countess Maritza" (Kálmán). 7.30—News. 7.45—Concert. TURIN, Announcements, Talk. 7.15—News. 7.35—"Appassionamento"—Three-Act Play (Varaldo). VIENNA, Vienna Male Voice Choir and Radio Section of the Symphony Orchestra. Austrian programme. WARSAW, Symphony Concert—

PRINCIPAL EVENTS

SYMPHONY CONCERTS 6.30 Radio-Paris: Beethoven No. 7, etc. 7.0 Warsaw: Beethoven No. 2, etc. 7.10 Stuttgart: Beethoven. 8.10 Munich, etc.: Strauss cycle—II. 9.10 Poste Parisien: Colonne concert. 9.30 Leipzig: Orchestra, viola. LIGHT CONCERTS 12.15 Radio-Paris: Orchestra, songs. 1.40 Hilversum (1,875 m.): Orchestra, pfte. 1.50 Kalundborg: Radio Orchestra. 5.0 Munich, etc.: Light Music. 6.15 Strasbourg: Spanish, (7.0) Russian, music. 7.0 Athlone: Classical movements. 7.0 Sottens: Choir, orchestra. 7.0 Vienna: Austrian programme. 7.30 Oslo: Orchestral and vocal. 7.40 Beromünster: Singing festival. 7.50 Poste Parisien (1,875 m.): Variety concert. 8.25 Poste Parisien: Russian Ensemble. 8.30 Paris (PTT), etc.: "Fantasy and Fairy." 9.0 Stockholm: Swedish music. 9.10 Kalundborg: Operetta music. 9.15 Hilversum (301.5 m.): Orchestra. 9.30 Hamburg, etc.: Popular programme. 11.15 Radio-Paris: Light music. OPERETTA 7.35 Rome: "Poker des Dames" (Ettore).

CHAMBER MUSIC 8.40 Budapest 1: Hungarian programme. 9.10 Vienna: Mozart quartets. 11.0 Stuttgart, Frankfurt: Quartets, pfte. concerto. RECITALS 3.40 Hilversum (1,875 m.): Violin, pfte. 4.0 Radio-Paris: Songs. 6.20 Brussels 1: Pfte., song, poetry. 7.50 Stockholm: Lamond (pfte.). 7.55 Poste Parisien: Pánzera (baritone). 8.20 Brno, Prague: Czech music. 8.30 Eiffel Tower: Pfte. sonata (Beethoven). 10.25 Breslau: Beethoven pfte. sonatas. PLAYS 7.10 Berlin: "The Front Line" (Engasser). 7.10 Hamburg: "Sanssouci" (Herse), with chamber music. 9.15 Radio-Paris: Comedies and songs. TALKS 8.35 Vienna: Romain Rolland reading. 8.50 Sottens: The League of Nations. 9.0 Athlone: Debate, "Leap Year." LAST NEWS BULLETINS For Schedule see Monday. DANCE MUSIC 7.10 Deutschlandsender; 9.15, Oslo; 10.0, Budapest 1, Kalundborg; 10.5, Warsaw; 10.10, Vienna; 10.45, Radio-Paris; 10.50, Hilversum (1,875 m.); 12.0, Radio-Normandie.

Folk Music. 7.40—Singing Festival. BRESLAU, News. 7.10—Variety. BRUSSELS (1), Roman Catholic Review. 7.15—Surprise Programme. 7.30—Reviews. BRUSSELS (2), Records. 7.30—Review. BUCHAREST, Raie da Costa Pfte. Music (contd.). 7.10—Talk. 7.30—Radio Symphony Orchestra. BUDAPEST (1), Ruttikay and Varady Music. 7.30—News, Records. COLOGNE, News. 7.10—"Rak I startet zum Mond"—Play (Slesina and Bense) from Saarbrücken. DEUTSCHLANDSENDER, News. 7.10—Orchestra, Dance Band, Sextet, and Soloists. EIFFEL TOWER, News. 7.20—Foreign Affairs, Talk, Records. FRANKFURT, News. 7.10—See Hamburg. HAMBURG, News. 7.10—"Sanssouci"—Sequence with Old Music. HILVERSUM (1,875 m.), Children's Choir. 7.10—English Lesson. 7.40—News. 7.50—Variety. A.V.R.O. and Lajos Orchestras and Soloists. HILVERSUM (301.5 m.), Talk. 7.15—Records, Announcements. 7.50—K.R.O. Melodists. KALUNDBORG, Sonata in E flat (Beethoven) by Jensen (Pfte.). 7.25—"Kresten Kold"—Play (Demuth). KÖNIGSBERG, News. 7.10—Variety. LEIPZIG, News. 7.10—See Deutschlandsender. LILLE, News. 7.30—Records. 7.45—Talk. MONTE CENERI, Ticino Dialect Programme. 7.45—Marches and Polkas. MOSCOW, Concert Version: "Der Lustige Krieg"—Operetta (Strauss). MUNICH, News. 7.10—"An Old Munich Suburb"—Sequence with Music. OSLO, Talk. 7.30—Beethoven, Schubert, Grieg, Atterberg—Orchestra, Elisabeth Munthe-Kaas (Soprano). PARIS (PTT), News. 7.38—Padeloup Concert Orchestra. POSTE PARISIEN, News, Review, Amuse-

Beethoven, Debussy, Wagner, R. Strauss. 7.50—News, Talk. 8 p.m. ATHLONE, Rathborne (Flute) and Mary Roughan (Pfte.). 8.20—Gaelic Programme. 8.50—Newcomers' Hour Winner. BERLIN, Play (contd.). 8.10—See Munich. BEROMÜNSTER, News. 8.10—Singing Festival (contd.). BRESLAU, Variety. BRNO, 8.15—Reading. 8.20—Czech and Moravian Folk Music. Station Orchestra, Vocal Quartet and Pfte. BRUSSELS (1), Operetta Music. BRUSSELS (2), Orchestra. 8.20—Monthly Review. 8.40—Orchestra (contd.). BUCHAREST, Symphony Orchestra. 8.30—News. 8.45—Marco Orchestra. BUDAPEST (1), Records. 8.15—Excerpts, "The Dubarry"—Film, 8.40—Bartók, Major and Dohnanyi—Melles String Quartet, and Dohnanyi (Pfte.). COLOGNE, "A Winter Night in the Castle"—Sequence, with the Freiburg Chamber Trio and Speakers. DEUTSCHLANDSENDER, Orchestra (contd.). EIFFEL TOWER, Home Affairs. 8.30—Pfte. Sonata No. 18 (Beethoven), by Doyen. FRANKFURT, See Hamburg. 8.10—See Munich. HAMBURG, "Sanssouci" (contd.). 8.10—See Munich. HILVERSUM (1,875 m.), Variety (contd.). HILVERSUM (301.5 m.), K.R.O. Melodists, Records, Emmy Braun (Tyrolse Songs). KALUNDBORG, 8.5—Scandinavian Songs. 8.25—Talk. 8.55—News. KÖNIGSBERG, Variety. 8.10—See Munich. LEIPZIG, See Deutschlandsender. LILLE, Records. 8.30—See Paris (PTT). MONTE CENERI, Marches and Polkas. 8.15—Report. 8.45—Orchestra. MOSCOW, German

January 28 TUESDAY

Talk. MUNICH, Sequence (contd.). 8.10—Symphonic Fantasy, "Aus Italien" (Richard Strauss) by the Station Orchestra, Conductor: The Composer. OSLO, Orchestra (contd.). 8.40—News. PARIS (PTT), Review. 8.15—Talks. 8.30—"Fairylend and Fantasy in Music"—Orchestra and Choirs, Conductor: Inghelbrecht. POSTE PARISIEN, Charles Panzera (Baritone). 8.25—Sibirtzeff and his Russian Ensemble. PRAGUE, "Dinner at Eight" (contd.). 8.20—See Brno. RADIO-NORMANDIE, Light Music. 8.10—Variety. 8.28—Interview. 8.30—Records. 8.45—Opera Music. RADIO-PARIS, Review of Spanish Books. 8.10—See Munich. ROME, Operetta (contd.). In the intervals: Talk, Recitations. SOTTENS, Light Music. 8.20—News. 8.30—Records. 8.50—League of Nations Report. STOCKHOLM, Lamond (Pfte.). 8.30—

Haydn, Wemheuer, Bizet. Leipzig Symphony Orchestra. Conductor: Weber. Hoenisch (Viola). LILLE, See Paris (PTT). MONTE CENERI, Orchestra. MOSCOW, French Talk. MUNICH, News. 9.20—Description on Records of the Four International Stars of the Ice Rink. 9.40—To be announced. OSLO, Topical Talk. 9.15—Dance Music. PARIS (PTT), "Fairylend and Fantasy in Music" (contd.). POSTE PARISIEN, Russian Ensemble (contd.). 9.10—Colonne Concert Orchestra. 9.45—Talk by Paul Reboux. PRAGUE, News. 9.15—Records. 9.45—News (English). RADIO-NORMANDIE, Opera Music. RADIO-PARIS, News. 9.15—Plays with Songs. ROME, Operetta (contd.). SOTTENS, League of Nations Report. STOCKHOLM, Swedish Music, by the Damme Orchestra. STRASBOURG, See Paris (PTT). STUTTGART, News. 9.20—See Berlin. 9.30—See Hamburg. TOULOUSE, Concert Version: "Azor"—Opera (Gabaroché). 9.35—Excerpts "La fille de Madame Angot" (Lecocq). 9.40—Music Hall. TURIN, Serato (Violin), and Fuga (Pfte.). VIENNA, News. 9.10—Mozart String Quartets, Kamper-Krada Quartet, Fiala (Double Bass). WARSAW, Symphony Concert (contd.). 9.30—Talk. 9.45—English Talk.

10 p.m.

ATHLONE, Variety. 10.30—What happened to-day, Light Music. BERLIN, See Hamburg. BRESLAU, See Hamburg. 10.25—Beethoven Sonatas by Dohrn (Pfte.). BRUSSELS (1), News. 10.10—Records. 10.55—Christus Vincit (Liszt). BRUSSELS (2), News. 10.10—Records. BUDAPEST (1), Jazz Band. DEUTSCHLANDSENDER, Dance Band. EIFFEL TOWER, "Symphonic Majure"—One-Act Play (Ravennes). FRANKFURT, See Hamburg. HAMBURG, Light Music and Folk Music (contd.). HILVERSUM (1,875 m.), Bridge Lesson. 10.40—News. 10.50—Dance Music. HILVERSUM (301.5 m.), Announcements. 10.15—Orchestra (contd.). 10.55—Records. KALUNDBORG, Dance Music. KÖNIGSBERG, Orchestra. LEIPZIG, Orchestra (contd.). LILLE, See Paris (PTT). 10.30—News. MADRID (EAJ7), News. 10.20—Opera Relay. MOSCOW, Dutch Talk. MUNICH, Dance Band. PARIS (PTT), "Fairylend and Fantasy in Music" (contd.). 10.30—News. POSTE PARISIEN, Talk by Paul Reboux. 10.30—Records. RADIO-NORMANDIE, Symphony Orchestra. RADIO-PARIS, Plays with Music (contd.). 10.45—Dance Music. ROME, News. STRASBOURG, See Paris (PTT). STUTTGART, See Hamburg. TOULOUSE, English Dance Music. 10.35—News, Orchestra. TURIN, News (Italian, Spanish). VIENNA, Hungarian Talk. 10.10—Jazz Band. 10.35—Announcements. 10.50—Dance Music. WARSAW, 10.5—Dance Music.

11 p.m.

BUDAPEST (1), News. FRANKFURT, See Stuttgart. HILVERSUM (1,875 m.), Dance Music. HILVERSUM (301.5 m.), Records. KALUNDBORG, Dance Music. MADRID (EAJ7), Opera Relay (contd.). 11.15—Dance Music. 11.45—News. RADIO-NORMANDIE, Dance Music. 11.30—News. 11.40—Variety. RADIO-PARIS, Dance Music. 11.15—Light Music. STUTTGART, Serenade (on Records). TOULOUSE, Concert. VIENNA, Dance Music.

12 midnight

FRANKFURT, See Stuttgart. RADIO-NORMANDIE, Dance Music. RADIO-PARIS, Light Music. STUTTGART, Serenade (on Records). TOULOUSE, Light Music. 12.15—News. 12.20—Orchestra.

1 a.m. (Wednesday)

RADIO-NORMANDIE, Dance Music.

TUESDAY (January 28)

NATIONAL
For Time Signals, see Monday

Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 60 kW. Relayed by Dublin, 1,348 kc/s (222.6 m.); and Cork, 1,240 kc/s (241.9 m.). 1.30-2.30 p.m.—Records. 5.30—For Children. 6.15—News in Irish. 6.30—Records. 6.45—News. 7.0—“Classical Movements.” Overture, “The Secret Marriage” (Cimarosa). Eighteenth-Century Pieces. Beethoven Potpourri. In the intervals: Purcell and Arne Songs by Violet Pearson (Soprano). 7.45—For Farmers. 8.0—W. J. Rathborne (Flute). Mary Roughan (Pfte.). 8.20—Gaelic Programme. 8.50—Newcomers’ Hour Winner. 9.0—Humorous Debate: The Evils of Leap Year. 9.20—Talk by Lt. Tichy: Sokol Training. 9.30—Variety. 10.30—What happened to-day; Light Music. 11.0—National Anthem.

BARCELONA (EAJI) (Spain)

795 kc/s (377.4 m.); 7.5 kW. Transmits at intervals from 7.15 a.m. 9.0 p.m.—Chimes; Weather. 9.5—Art Notes. 9.35—Station Orchestra. 10.5—News. 10.20—Crepúsculo en lluvia (Marqués) by Rosaura Coma (Pfte.). 10.50—Russian Music. Station Orchestra. 11.30-12.30 a.m. (Wednesday)—“Catch as catch can”—Relay from the Teatro Gran Price. In the interval at 12.0 m.t.: News.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Leipzig. 1.0 p.m.—News. 1.15—Light Music by Michael’s Orchestra. Else Jörn (Soprano). 2.0-2.30—Exchange: Markets. 3.0—String Trio in D minor (Andrae), by Becker (Cello), Fiala (Viola), and Richter (Violin). 3.30—Report from Wustrau, Rathenow and Berlin: Hans Joachim von Zieten, the Prussian General. 4.0—Schubert and Liszt Recital, by Hauschild (Baritone), and von Vultée (Pfte.). 4.30—Talk: Gustav Carus. 5.0-7.0—See Munich. 7.0—News; Topical Talk. 7.10—“Die erste Linie”—Play (Engasser), with Music by Scholz. 8.10—See Munich. 9.0—News. 9.20—Report on the Seventh International Riding and Driving Tournament. 9.30-11.0—See Hamburg.

BEROMÜNSTER

(Switzerland) 556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.). 5.30 a.m.—Gym. 11.0—Records: Opera Music. 11.29—News. 11.40—See Monte Ceneri. 12.10 p.m.—Records: Italian Songs. 12.25—Exchange: For Housewives. 3.0—Operetta Music. Conductor: Gilbert. 3.30-5.0—See Sottens. 5.0—Records: Famous Singers. 5.30—For Young People. 6.2—Talk: Unemployment. 6.20—French Lesson. 7.0 (till Close)—Programme from Basle. 7.0—Folk Music—Amstein Yodelling Duo, Braselmann Ländler Band, Reinhardt (Dialect Recitations). 7.40—Singing Festival. 8.0—News. 8.10-8.15—Singing Festival (contd.).

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz, 1,231 kc/s (243.7 m.). Transmits at intervals from 4.0 a.m. 11.0 a.m.—See Leipzig. 1.0 p.m.—News. 1.15—Variety from Deutschlandsender. 2.0—For Farmers. 2.10—For Women. 2.30—For Children. 3.0—Talk. 3.15—Elsbeth Klaus (Soprano). 3.40—Talk. 4.0—Variety. 4.30—Talk. 4.40—Topical. 5.0-7.0—See Munich. 7.0—News. 7.10—Variety. 8.10—Variety with Orchestra, Dance Band, Choir, and Soloists. 9.0—News. 9.20—See Berlin. 9.30—See Hamburg. 10.25-11.0—Beethoven Sonatas by Dohrn (Pfte.). Sonata in E. Sonata in Fsharp.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.15 a.m. 7.0 p.m.—Folklore. 7.45—Sonata for Violin and Organ (Kvapil). 8.15—Reading. 8.20—Station Orchestra. Conductor: Bakala. Moravian Vocal Quartet. Schäfer (Pfte.). Czech Music. 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: Overtures. 12.30 p.m.—Orchestra. Conductor: Walpot. In the interval at 1.0: News. 1.30—Ballet Records. 2.0-2.45—For

Schools. 4.55—News. 5.0—Record: Quartet in C minor (Fauré). 5.30—Blanche Lecocq (Arias). 5.45—“Un bon petit diable”—Play after de Ségur (Rostand). 6.20—Tea Time at the “Home des Artistes”—Relay, with De Greef, Charles Schauten, Gobert, Germaine Teugels, Germaine Duclos and Hélène Lefèvre. 7.0—Roman Catholic Review by Msgr. Picard; Labour Report. 7.15—Surprise Programme. 7.30—Science and Radio Reviews. 8.0—Operetta Music by the Radio Orchestra. Conductor: Douliez. Lisette Denic (Songs). 9.0—Discussion: Wireless Telephony. 9.15—“Peer Gynt” (Grieg), by the Radio Orchestra. Conductor: Douliez. Germaine Teugels (Songs). 9.45—Radio Jazz Band. 10.0—News. 10.10—Records. 10.55—Christus vincit (Liszt).

BRUSSELS (No. 2) (Belgium)

932 kc/s (321.9 m.); 15 kW. Programme in Flemish. 6.37-9.0 a.m.—Records; News; Gym. 12.0 noon—Records. 12.31 p.m.—Radio Orchestra. 1.30—Records. 2.0—Shipping. 2.2-2.45—For Schools. 4.55—News. 5.0—Records. 5.40—For Children. 6.15—Records. 6.45—Talk: The Economic Situation. 7.0—Records. 7.30—Review. 8.0—Orchestra. Conductor: Walpot. The Soldier of Fortune (Althorp). Im schönen Tal der Isar (Löhn). Revue Overture (Lincke). Ballet Scene (Armandola). 8.20—Monthly Review. 8.40—Orchestra (contd.). Lehar Potpourri (Hrubby). Dolores (Waldteufel). Verdi Potpourri (Weninger). 9.0—“At the Red Fox”—Variety. 10.0—News. 10.10-11.0—Records.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania (Brasov) 160 kc/s (1,875 m.). Transmits at intervals from 10.30 a.m. 6.0 p.m.—News; Exchange; Letter-box. 6.15—Canterea Romanic Choir. 6.40—Programme Notes. 6.50—Raie da Costa Music, by Sibiceano (Pfte.). 7.10—Educational Talk. 7.30—Radio Symphony Orchestra. Conductor: Perlea. Soloist: Greta Militineanu. 8.30—News. 8.45—Marco Orchestra. 9.45—News (French, German, Romanian).

BUDAPEST (No. 1) (Hungary)

546 kc/s (549.5 m.); 120 kW. 9.20 a.m.—Talks. 11.5—Kolopár Cigány Band. 11.30—News; Cigány Band. 12.30 p.m.—Weidinger Salon Orchestra. 1.40—For Housewives. 3.10—For Women. 4.0—Medical Talk. 4.30—Budapest Concert Orchestra. Conductor: Polgár. 5.50—Talk: Hungarian Relics in Poland. 6.20—Ruttikay and Varady Music by Teréz Köszegi and Pál Kalnár accompanied by the Vidák Cigány Band. 7.30—News. 7.50—Records. 8.15—Excerpts, “The Dubarry”—Film. 8.40—Hungarian Chamber Music by Ernő Dohnányi and the Melles String Quartet. Quartet (Bartók). String Trio Serenade (Major). Pfte. Quintet (Dohnányi), The Composer at the Pfte. 9.45—German Talk: Hungarian Literature. 10.0—Pártos Jazz Band. 11.5—News.

BUDAPEST (No. 2) (Hungary)

359.5 kc/s (834.5 m.); 20 kW. 5.10 p.m.—For Farmers. 6.20—French Lesson. 8.40—Records.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Leipzig. 1.0 p.m.—News. 1.15-2.0—Variety from Deutschlandsender. 2.45—Exchange. 3.0—Variety. In the intervals: Talks and Press Review. 5.0—Station Orchestra. Conductor: Kühn. Part I: Symphonic Dances. Polonaise and German Dance (Dittersdorf). Minuet, The Hafner Serenade (Mozart). Allegretto scherzando from the Eighth Symphony (Beethoven). Excerpts, Symphonie fantastique (Berlioz). Dance of the Dryads from the Symphony Im Walde (Raff). Scherzo (Schubert). Waltz from the Fifth Symphony (Tchaikovsky). Furiat from the First Symphony (Dvořák). Part II: Strauss Waltzes and Marches. 6.45—Snapshots. 7.0—News. 7.10—“Rak I startet zum Mond”—Play (Slesina and Bense), from Saarbrücken. 8.0—“A Winter Night in the Castle”—Sequence. The Freiburg Chamber Trio, and Speakers. 9.0—News. 9.20—Chess Problems. 9.30—French Talk. 9.45-10.0—English Talk.

DEUTSCHLANDSENDER

(Germany)

191 kc/s (1,571 m.); 60 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Orchestra, from Saarbrücken. 12.45 p.m.—News. 1.0—Variety. 2.0—Announcements. 2.15—For Women. 2.45—Book Review. 3.0—Variety from the Green Week Exhibition. Woitschach Wind Band, Accordions, and Romanoff Balalaika Orchestra. 4.50—Report: Women Detectives. 5.0—Wilhelm Berger Songs, by Kaiser. 5.20—Political Press Review. 5.40—To be announced. 6.0—“Adam v. Eve”—Variety with Maria Ney and George Erich Schmidt, and Accordionists. 6.45—Topical. 6.55—Talk: Genealogy. 7.0—News. 7.10—Station Orchestra. Gaden Dance Band and Henze Hawaiian Sextet. Walker (Guitar), and Scipp (Songs). 9.0—News. 9.20—See Berlin. 9.30—Records: Italian Concerto (Bach). 10.0-11.0—Krüger Dance Band.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Relayed by Cassel, Coblenz, Freiburg, Kaiserslautern and Trier, 1,195 kc/s (251 m.). Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Leipzig. 1.0 p.m.—News. 1.10—Variety from Deutschlandsender. 2.0—Talk; Exchange. 2.15—For Women. 3.0—“A Concert at Counsellor Goethe’s” (Frankfurt, 1754). Old Chamber Music and Songs, with Introductory Talk and Commentary. 3.50—Military Band Records. 4.30—“National Health”—Sequence (Richter). 5.0—See Munich. 6.45—Announcements. 6.50—See Munich. 7.0—News. 7.10—See Hamburg. 8.10—See Munich. 9.0—News. 9.20 (from Trier)—Light Music. Orchestra. Conductor: Bachmann. 10.0—Light Music and Folk Music from Hamburg. 11.0-1.0 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 5.0 a.m. 11.0 a.m.—Shipping. 11.10—Concert from Leipzig. 1.0 p.m.—News. 1.20—Music. 2.0—Exchange. 2.40—Shipping. 3.0—Stietin Concert Orchestra. Conductor: Plato. 4.0—Book Review. 4.15—“Carnival”—Variety. 5.0—See Munich. 5.45—Harbour Notes. 6.0—Contemporary Songs. Choir and Jakschtat (Baritone). 6.25—Station Dance Band and Soloists. 7.0—News. 7.10—“Sans Souci”—Sequence (Herse), with Music: (a) Sonata in D for Two Flutes and Continuo (Quantz), (b) Two Movements from the Sonata in B minor for Violin and Harpsichord (Bach), (c) Trio Concerto in A for Violin, Viola and Harpsichord (Rameau), (d) La battaglia del Re di Prussia (Graun). (e) Sonata in D minor for Flute and Continuo (Frederick the Great). 8.10—See Munich. 9.0—News. 9.30-11.0—Light Music and Folk Music. Station Orchestra, Mandolin Quartet and Soloists. Hungarian Comedy Overture (Kéler-Béla). Norwegian Fishermen’s Waltz (Hellström). Neapolitan Folk Song Potpourri (arr. Arcari). Czardas (Grossmann). Canzonetta (d’Ambrosio). Margarethen-Polka (Wittenstein). Excerpts, “The Geisha” (Jones). Mazurka, Mia Bella (Arcari). Foxtrot (Plessow). Waltz, Mon Réve (Waldteufel). Argentine Love Song (Baltimore). La mora torera (Gabrieli). Ay, Ay, Ay (Frshire). Excerpts, “Liselott” (Künneke).

HILVERSUM (1,875 m.)

(Holland) 160 kc/s; 10 kW until 2.40 p.m.; 100 kW from 2.40 p.m. A.V.R.O. Programme. 7.40 a.m.—Records. 9.40—Service. 9.55—Records. 10.10—Light Music—Lismonde Orchestra. 10.40—Cookery. 11.10—Light Music (contd.). 12.20 p.m.—Palla (Organ). 12.40—A.V.R.O. Orchestra. Conductor: Gerharz. 1.25—Records. 1.40—A.V.R.O. Orchestra. Conductor: Gerharz. Stadlin (Pfte.). 2.40—Dressmaking. 3.40—Lensky (Violin); Veen (Pfte.). 4.10—Children’s Choir. Conductor: Hamel. 4.40—For Children. 5.10—V.P.R.O. Talk. 5.40—Light Music. Conductor: Drukker. 6.40—For

Children. 6.45—Children’s Choir. 7.10—English Lesson. 7.40—News. 7.50—Variety A.V.R.O. Orchestra. Conductor: Gerharz. Kovacs Lajos Orchestra. Wiener and Doucet (Pftes.). Koos Speenhof (Recitation and Songs). 10.5—Bridge Lesson. 10.40—News. 10.50-11.40—Dance Music. A.V.R.O. Decibels. Conductor: Meenk.

HILVERSUM (301.5 m.)

(Holland)

995 kc/s; 15 kW until 2.40 p.m. and 60 kW from 2.40 p.m. K.R.O. Programme. 7.40-8.55 a.m.—Records. 9.40—Records. 10.10—Concert. 10.40—Records. 11.10—Religious Address. 11.40—Police Messages. 11.55—Records. 12.10 p.m.—K.R.O. Orchestra. Conductor: v. t. Woud. 1.10—Records. 1.40—For Women. 3.40—Records. 3.55—K.R.O. Boys. Conductor: Lustenhouwer. 4.40—Records. 5.10—K.R.O. Orchestra. Conductor: v. t. Woud; Records. 6.20—Esperanto Lesson. 6.40—Announcements; Talk. 7.15—Records; Announcements. 7.50—K.R.O. Melodists. Conductor: Lustenhouwer; Records; Emmy Braun (Tyrolese Songs). 9.0—Introductory Talk to the following Transmission. 9.15—K.R.O. Symphony Orchestra. Conductor: v. Otterloo. 9.55—Records; Announcements. 10.15—Orchestra (contd.). 10.55-11.40—Records.

KALUNDBORG (Denmark)

238 kc/s (1,261 m.); 60 kW. Relayed by Copenhagen, 1,176 kc/s (255.1 m.). Transmits at intervals from 6.0 a.m. 11.0 a.m.—Nielsen String Ensemble. 1.0 p.m.—For the Unemployed. 1.30—Swedish Reading. 1.50—Radio Orchestra. Conductor: Grøndahl. Ane Spivak (Songs). 3.50—For Children. 4.35—Exchange; Markets. 4.45—Poetry. 4.50—Talk: Belgian Schools. 5.20—German Lesson. 5.45—Announcements. 6.0—News. 6.30—Talk: Women and Politics. 7.0—Sonata in E flat (Beethoven), by Jensen (Pfte.). 7.25—“Kresten Kold”—Play (Demuth). 8.5—Scandinavian Songs by Volmer Holbøll. 8.25—For Young People. 8.55—News. 9.10—Operetta Music. Radio Orchestra. Conductor: Reesen. Overture, “The Betrothal by Lanternlight” (Offenbach). Waltz Selection, “La fille de Madame Angot” (Lecocq). Ballet Music, “La belle Hélène” (Offenbach). Foxtrot, “Sunny” (Kern). 10.0-11.30—Dance Music.

KÖNIGSBERG (Heilsberg)

(Germany)

1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.). Transmits at intervals from 5.3 a.m. 11.0 a.m.—See Leipzig. 1.0 p.m.—News. 1.15—See Berlin. 2.0—Markets. 2.10—For Children. 2.35—For Women. 2.45—Book Review, 3.0—News. 3.10—Orchestra. 4.5—Racing Results. 4.15—Talk. 4.30—Discussion. 4.50—Markets. 5.0—See Munich. 6.45—Topical. 7.0—News. 7.10—Variety. 8.10—See Munich. 9.0—News. 9.20—Political Press Review. 9.40-11.0—Light Music. Station Orchestra. Conductor: Wilcken.

LEIPZIG (Germany)

785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.). Transmits at intervals from 5.0 a.m. 11.0 a.m.—Station Choir; Orchestra and Soloists. Conductor: Kretzschmar. 1.0 p.m.—News; Exchange. 1.15—Variety from Deutschlandsender. 2.0-2.5—Anniversaries. 2.50—Exchange. 3.0—Boxing Lesson. 3.30—Purcell Songs by Drosihn (Baritone) and Sammler (Harpsichord). 4.0—Exchange. 4.10—Talk. 4.30—Light Music. 4.40—Talk. 5.0—Station Orchestra. Conductor: Blumer. Milli Engelmann-Gilrath (Soprano), Burgert (Pfte.) and Luh (Violin). 6.45—A Story. 6.55—Topical. 7.0—News. 7.10—See Deutschlandsender. 9.0—News. 9.30-11.0—Leipzig Symphony Orchestra. Conductor: Weber. Hoenisch (Viola). Overture in E (Schumann). Symphony in E flat (Haydn). Viola Concerto (Wemheuer). Roma Suite (Bizet).

LILLE (Radio PTT Nord)

(France)

1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.50 a.m. 6.0 p.m.—See Paris (Radio-Paris). 6.30—News. 7.30—Records. 7.45—Literary Talk. 8.0—Records. 8.30—See Paris (PTT). 10.30—News.

REGIONAL
For Time Signals, see Monday

Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

MADRID (EAJ7) (Spain) 1,095 kc/s (274 m.); 10 kW. Transmits at intervals from 8.0 a.m. 9.0 p.m.—Science Talk. 9.15—Sextet. 10.0—Chimes. 10.5—News. 10.20 (approx.)—Opera Relay from the Calderon Theatre. 11.15—Dance Music. 11.45—News. 12.0 m.—Chimes.

MONTECENERI (Switzerland) 1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 11.0 a.m. 11.40 a.m.—Sound Film and Popular Music by the Radio Orchestra. 12.10-12.30 p.m.—Records. 3.30-5.0—See Sottens. 6.0—Records: Slav Dances (Dvorak). 6.15—Talk: Astronomy. 6.30—Song Records. 6.45—News. 7.0—Ticino Dialect Programme. Poems and Choral Songs. 7.45—Marches and Polkas. Lugano Philharmonic Orchestra. Conductor: Gandolfi. 8.15—Report: A Ticino Village creates a new industry. 8.45—Radio Orchestra. Overture, "Die Felsenmühle" (Reissiger). Selection, "Tales of Hoffmann" (Offenbach). Blumenlied (Lange). Pavane dogale (Mariotti). Mazurka, Labbra coralline (Beccuci).

MOSCOW (No. 1) (Russia) 174 kc/s (1,724 m.); 500 kW. Transmits at intervals from 2.40 a.m. 5.15 p.m.—Lyric Poems (Pushkin). 6.0—Concert. 7.0—Concert Version, "Der lustige Krieg" (Operetta (Strauss)). 8.0—Talk (German): Soviet Agriculture; Questions and Answers (German). 9.5—Talk (French): The Russian Revolution; Concert. 10.0—Talk (Dutch): The 1936 Budget.

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

Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Leipzig. 12.15 p.m.—Orchestra. 1.20-1.40—News. 2.40—A War Story. 3.0—For Farmers. 3.10—For Women. 3.50—Knab and Bötcher Recita by Lissy Bühler (Mezzo-Soprano) and Leonhardt (Pfte.). 4.30—Medical Talk. 4.45—Call of Youth. 4.50—For Farmers. 5.0—Orchestra, Accordion Solos and Military Band. 6.50—Talk: The Winter Olympic Games. 7.0—News. 7.10—An Old Munich Suburb. Sequence with Music. Munich Schrammel Ensemble and Soloists. 8.10—Symphonic Fantasy, Aus Italien (Richard Strauss). Station Orchestra. Conductor: The Composer. 9.0—News. 9.20—Description (on Records) of the Four International Stars of the Ice Ring: Sonia Henie, Viviane Hultén, Maxie Herber and Ernst Baier. 9.40—To be announced. 10.0-11.0—Dance Band.

OSLO (Norway) 260 kc/s (1,153.8 m.); 60 kW. Relayed by Fredrikstad, 776 kc/s (386.6 m.); Hamar, 519 kc/s (578 m.); Notodden, 1,357 kc/s (221.1 m.); Porsgrund, 850 kc/s (352.9 m.); Rjukan, 1,348 kc/s (222.6 m.); and Trondelag, 629 kc/s (476.9 m.).

Transmits at intervals from 10.30 a.m. 4.5 p.m.—Concert. 5.5—Programme for the Twenty-Fifth Anniversary of the Esperanto Association. 5.25—For Women. 5.55—News. 6.30—Gundvaldsen (Violin). Romance (Bruch). Andante and Scherzo capriccioso (David). Sicilienne and Rigaudon (Francour-Kreisler). Gipsy Dance (Nachez). 7.0—Talk. 7.30—Station Orchestra. Conductor: Kramm. Elisabeth Muntze-Kass (Soprano). Overture, Coriolanus (Beethoven). Excerpts, "Rosamunde" (Schubert). Five Songs (Grieg). Swedish Rhapsody (Atterberg). 8.40—News. 9.0—Topical. 9.15-9.45—Dance Music.

PARIS (Eiffel Tower) (France) 1,456 kc/s (206 m.); 20 kW. Transmits at intervals from 8.0 a.m. 5.15 p.m.—Lecture by Prof. Ascoli from the Sorbonne: Victor Hugo and the Theatre. 6.15—Records. 6.45—Theatre Talk. 7.0—News. 7.10—Weather; Racing. 7.20—Foreign Affairs; Science Talk. 7.45—Records. 8.0—Home Affairs. 8.30—Sonata No. 18 (Beethoven) by Doyen (Pfte.). 9.0—The Romance of Napoleon III and Eugénie de Montijo—Historical Play (René-Jeanne and de Morlhon); "Symphonie Majeure"—One-Act Play (Marthe Ravennès).

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.—

Tauber Records. 12.25—Interview. 12.35—Exchange; Records. 1.19—Folk Music Records. 1.30—Instrumental Solos. 1.45—Records. 2.0, 3.15, 3.45, 4.35, 6.15—Exchange. 6.20—Religious Address. 6.35—Beethoven Song Records. 6.45—Talk. 6.55—"Weddings"—Records. 7.5—Sports Notes. 7.10—News. 7.25—Fashion Review. 7.30—Amusement Guide. 7.33—Legal Talk. 7.40—Song Records. 7.55—Paris Programme with Charles Panzer (Bari-tone). 8.25—Sibirtzeff and his Russian Ensemble. 9.10—Colonne Concert Orchestra. Conductor: Paray. 9.45—Talk by Paul Reboux. 10.30-11.0—Records: Light Music.

PARIS (PTT) (France) 695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.50 a.m. 5.0 p.m.—Pasdeloup Concert Orchestra. Conductor: Cloez. Overture, "La Dame blanche" (Boieldieu). Habanera (Chabrier). Ballet Suite, "Céphale et Procris" (Grétry). Waltz, Dolores (Waldteufel).



Richard Strauss (with Clemens Krauss). His "Aus Italien" is broadcast by several German Stations at 8.10 p.m.

5.30—Music Talk. 5.40—Art Notes. 5.50—Medical Talk. 6.0—Pasdeloup Concert Orchestra. Conductor: Cloez. Nika Monastri (Songs). Suite brève and Romance (Aubert). Songs: (a) Romance (Albéniz), (b) El tra lala (Granados), (c) Nana (Fallá), (d) La Partida (Alvarez). 6.30—News. 7.30—Weather. 7.38—Pasdeloup Concert Orchestra. Conductor: Cloez. L'amour peintre (Letorey). Le triomphe de Bacchus (Debussy). Norwegian Rhapsody (Svendsen). 8.0—Fashion Review. 8.15—Two Talks. 8.30—"Fairytale and Fantasy in Music"—National Orchestra and Raugel Chorus. Conductor: Inghelbrecht. Le Chasseur Maudit (Franck). Suite, El Amor brujo (Fallá). Finale, Act II, "Der Freischütz" (Weber). Baba-Yaga (Liadov). Excerpts, "Sadko" (Rimsky-Korsakov). 10.30—News.

PARIS (Radio-Paris) (France) 182 kc/s (1,648 m.); 80 kW. 6.45 a.m.—Gym. 7.0—Records. 7.15—News. 7.45—Gym. 8.0—Records. 11.0—Paris Symphony Orchestra. Conductor: Labis. 12.0 noon—For Farmers. 12.10 p.m.—Assurance Societies' Report. 12.15—Paris Symphony Orchestra. Conductor: Labis. Paule Sandra (Songs). In the interval at 12.45: News; Sports. 2.0—Reading (Proust). 2.25—Talk. 2.30—Schumann Records. 3.0—Lecture from the Faculté des Lettres: The Cartesian Philosophy. 4.0—Geneviève Vix (Songs). 4.30—Chamber Music Records. 5.0—English Lesson. 5.20—Shipping.

5.30—Pasdeloup Concert Orchestra. Conductor: Cloez. Nika Monastri (Songs). Overture (Lazar). Excerpts, "Khovanschina" (Mussorgsky). Richard Coeur de Lion (Grétry). Chanson du Printemps (Gounod). Le bonheur est chose légère (Saint-Saëns). La mer est plus belle (Debussy). La Bouronnaise (Aubert). 6.0—Dramatic Programme. 6.30—Pasdeloup Concert Orchestra (cont'd). Seventh Symphony in A (Beethoven). Pastorale (Veracini). To Chloe (Mozart). Ah Splenato (Handel). Aria, "Fideliò" (Beethoven). 7.30—Talk: Wireless Telephony. 7.45—Talk: French Epic Literature. 8.0—Spanish Books.

8.10—See Munich. 9.0—News. 9.15—Plays with Songs by the Station Orchestra and Soloists. Conductor: André. (a) "Le dernier train pour Asnières"—One-Act with Songs (Clérouc), (b) "Mon jardin sous la neige"—Sketch (Zimmermann). 10.45—Dance Music—Chapelier Orchestra. 11.15-12.15 a.m. (Wednesday)—Light Music—Chapelier Orchestra.

PRAGUE (Czechoslovakia) 638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.15 a.m. 3.0 p.m.—Exchange; Weather. 3.10—Orchestra. 4.0—For Children. 4.20—Beethoven, Schubert, Schumann and Brahms Songs by Peterka. 4.40—Talk. 5.50—Records. 5.0—Exchange. 5.10—German Transmission: Orchestra, Choir, and Soloists. Conductor: Franz. Psalm (Handel). Biblical Scenes (Schütz). 5.45—News (in German). 5.55—Record. 6.0—Time; News. 6.10—Military Band. Conductor: Pesta. 6.45—Discussion: Books. 7.0—Talk on the following Transmission.

7.5—Music by Pilsen Composers. from Pilsen. Pilsen Philharmonic Orchestra. Conductor: Bastl. Jan Bruna (Violin). Evening Song and Melody (Kubát). Humoresque (Kubát). Overture (Horák). Violin Concertino (Kössl). Burlesque (Blech). Tarantella (Suda). 7.45—Excerpts, "Dinner at Eight"—Play (Kaufman-Edna Ferber). 8.20—See Brno. 9.0—News. 9.15—Records. 9.45-10.0—News (English).

RADIO-NORMANDIE (France) 1,113 kc/s (269.5 m.); 15 kW. 7.0 a.m.—Records. 7.5—Report on the Monte Carlo Rally, from the Le Mans Control Point. 7.20—News. 7.48—Racing. 7.53—For Housewives. 8.0—Records. 8.15—Time; Records. 8.30—Viennese Waltzes. 8.45—Light Music. 9.0—Time; Dance Music. 9.15—Organ. 9.30—Songs. 9.45—Light Music. 10.0—Chansonnettes. 11.0—Classical Music. 12.0 noon—Records. 12.15 p.m.—Cello. 12.30—Light Music. In the interval at 12.45: News. 3.30—Orchestra. 4.0—Tea-Time Hour. 4.45—Children's Corner. 5.0—Time; Dance Music. 5.15—Mandoline. 5.30—Records. 6.0—For Children. 6.45—News. 7.0—Light Music. In the interval at 7.45: An Interview, and 7.48: News. 8.10—Variety. 8.28—Interview. 8.30—Records. 8.45—Opera Music. Excerpts, "William Tell" (Rossini). "Turandot" (Puccini). "Le Roi David" (Honegger). "Hamlet" (Thomas). "Rigoletto" (Verdi). "Iphigenia in Taurus" (Gluck). "Le Cid" (Massenet). "Boris Godunov" (Mussorgsky). "Romeo and Juliet" (Gounod). "The Huguenots" (Meyerbeer), and "Les Abencerages" (Cherubini).

10.0—Orchestra. 11.0—Dance Music. 11.30—News. 11.40—Variety. 12.0 m.—2.0 a.m. (Wednesday)—Dance Music. In the interval at 12.30: Time.

RADIO-ROMANIA (Brasov) (Romania) 160 kc/s (1,875 m.); 150 kW. See Bucharest. ROME (Italy) 713 kc/s (420.8 m.); 50 kW. Relayed by Naples, 1,104 kc/s (271.7 m.); Bari (No. 1), 1,059 kc/s

(283.3 m.); Bari (No. 2), Milan (No. 2) and Turin (No. 2), 1,357 kc/s (221.1 m.).

Transmits at intervals from 6.45 a.m. 4.0 p.m.—News; Exchange. 4.15—Records. 4.55—Announcements. 5.0—For Farmers; Corn Prices. 5.50—Announcements. 6.0—News; Tourist Report (English). 6.20—News in Foreign Languages. 6.44—News (French). 7.5—Announcements; Talk. 7.15—News. 7.35—"Poker des Dames"—Operetta in Three Acts (Ettore). In the intervals: Talk; Recitations. 10.0—News.

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

11.30 a.m.—News. 11.40—See Monte Ceneri. 12.10 p.m.—Topical. 12.15-1.0—Records. 3.30—Andrée Wachsmuth (Violin). 3.45—Duet (Beethoven), by Geispieler (Clarinet), Burger (Bassoon). 3.55—Geispieler (Clarinet). 4.5—Rossi (Accordion). 4.15—Radio Suisse romande Orchestra. Conductor: Haug. Smetana, Puccini, Tchaikovsky. 5.0—Commercial Classes for Apprentices. 5.25—For Children. 5.50—Records—Fotroxts. 6.0—Medical Talk. 6.20—Song Records. 6.45—Letter-box. 6.59—Weather. 7.0—Pontaise Choir. Chorusmaster: Rochat. Le Baiser (Matthey). Voici le joli mois de mai (Mayor). Joli coq devant l'buffet (Mayor). Trijon (Delibes). Song (Heyberger). 7.20 (from Geneva)—Light Music. Orchestra. Conductor: Pasche. 8.20—News. 8.30 (from Geneva)—Song Records. 8.50 (from Geneva)—League of Nations Report.

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

Transmits at intervals from 6.20 a.m. 4.30 p.m.—Talk. 4.45—Records. 5.45—French Lesson. 6.15—News. 6.30—"The Birds"—Play (Aristophanes). 7.50—Lamond (Pfte.), from the Academy of Music. 8.30—"The Roving Microphone." 8.45—News. 9.0-10.0—Swedish Music—Damme Orchestra. Scandinavian Suite (Wesslander). Elegiac Melody (Christiansen). Spring Flowers (Fridén). Dream Picture (Sara Wennerberger-Reuter). Excerpts, "The Gold Digger" (Köröling). Swedish Fantasia (Ek).

STRASBOURG (France) 859 kc/s (349.2 m.); 120 kW. Transmits at intervals from 6.45 a.m. 6.15 p.m.—Spanish Music. Conductor: de Villers. Two Spanish Dances (Fallá). Recuerdos de viaje (Albeniz). La Feria (Turina). 6.45—Topical Talk. 7.0—Russian Music. Orchestra. Conductor: de Villers. Overture, "A Life for the Czar" (Glinka). Caucasian Sketches (Ippolitov-Ivanov). Scherzo (Mussorgsky). 7.30—News. 7.45—News (German). 8.0—Press Review (German). 8.10—Records. 8.30-10.30—See Paris (PTT).

STUTTGART (Germany) 574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Leipzig. 1.0-2.0 p.m.—See Deutschlandsender. 2.15—Talk: "Flowers and Animals." 3.0—See Deutschlandsender. 4.45—Talk: Winter Photography. 5.0—See Munich. 6.30—A Report. 6.45—For Hitler Youth. 7.0—News. 7.10—Beethoven Concert for the Winter Relief Fund, from the Liederhalle. Station Orchestra and Württemberg State Theatre Orchestra, Teachers' Choral Society, Philharmonic and Station Chorus, Station Children's Choir and Soloists. Conductor: Schulz-Dornburg. Leonora Overture No. 2. Aria "Fidelio." Fugue in B flat. An die ferne Geliebte. Variations on "Schneider Kakadu." "Der glorieiche Augenblick"—Cantata. 9.0—News; Sports Notes. 9.20—See Berlin. 9.30—See Hamburg.

11.0-1.0 a.m. (Wednesday)—Serenade (Records). Part I: Strub Quartet. Quartet in E flat (Beethoven). Quartet in A minor (Schumann). Part II: Pfte. Concerto in D flat (Sinding) by Birger Hammer (Pfte.) and the Station Orchestra. Conductor: Schröder.

TUESDAY (January 28)

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.15 a.m. 6.0 p.m.—Exchange. 6.5—Music. 6.15—Chansonnettes. 6.30—Violin Solos. 6.45—News. 7.5—Viennese Orchestra. 7.15—Humorous Scenes. 7.25—Selection, "Countess Maritza" (Kálmán), by a Cigány Band. 7.30—News. 7.45—Concert. 8.15—Opera Music. 8.30—Marches. 8.50—Film Music. 9.0—Concert Version: "Azor"—Opera (Gabaroché). 9.35—Excerpts, "La fille de Madame Angot" (Lecocq). 9.40—"Au Joyeux Moulin"—Music-Hall. 10.5—English Dance Music. 10.35—North African News. 10.50—Light Orchestral Music. 11.0—Film Music. 11.15—Argentine Orchestra. 11.30—Opera Arias. 11.45—Marches. 12.0 m.—Light Music. 12.15 a.m. (Wednesday)—News. 12.20-12.30 Orchestra.

TURIN (No. 1) (Italy)

1,140 kc/s (263.2 m.); 7 kW. Relayed by Milan (No. 1), 814 kc/s (368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,222 kc/s (245.5 m.); Florence, 610 kc/s (491.8 m.); and Bolzano, 536 kc/s (559.7 m.). Transmits at intervals from 6.45 a.m. 3.20—Relay from Asmara. 3.35—Records; For Women. 4.0—News. 4.15—Records. 4.55-5.10—Weather; Snow Report; For Farmers; Corn Prices. 5.50—Announcements. 6.0—News in Foreign Languages. 7.5—Announcements; Talk. 7.15—News. 7.35—"Appassionatamente"—Three-Act Play (Verdelli). 9.0—Chamber Music. Serato (Violin) and Fuga (Pfte.). Pfte. Sonata in G (Beethoven). Pfte. Sonata in Fuga. Largo (Veracini). Rondino (Beethoven). Prelude and Allegro (Pugnani-Kreisler). 10.0—News (Italian, Spanish).

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Relayed by Graz, 886 kc/s (338.6 m.); Innsbruck, 519 kc/s (578 m.); Dornbirn, Klagenfurt, Linz 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—News. 6.30—Two Talks. 7.0—Vienna Male Voice Choir and Radio Section, Symphony Orchestra. Austrian programme. Conductors: Holzer and Grossmann. 8.35—Reading (Romain Rolland). 9.0—News. 9.10—Mozart String Quartets by the Kamper-Kvarda Quartet and Fiala (Double Bass). Eine kleine Nachtmusik. Quartet in C. 10.0—Hungarian Talk. 10.10—Song Hit Potpourri—Gaudriot Jazz Band. 10.35—Announcements. 10.50-12.0 m.—Dance Music—Gaudriot Jazz Band.

WARSAW (Poland)

224 kc/s (1,339 m.); 120 kW. Relayed by Cracow, 1,022 kc/s (293.5 m.); Katowice, 758 kc/s (395.8 m.); Łódź, 1,339 kc/s (224 m.); Lwów, 795 kc/s (377.4 m.); Poznań, 868 kc/s (345.6 m.); Torun, 986 kc/s (304.3 m.); and Wilno, 536 kc/s (559.7 m.). Transmits at intervals from 5.30 a.m. 11.0 a.m.—Fanfare. 11.3—News. 11.15—Christmas Carols and Songs. School Mandoline Band. 11.30—Furmaniński Orchestra. 12.25 p.m.—For Housewives. 12.30—Labour Exchange. 2.15—Announcements. 2.20—Exchange. 2.30—Light Music. 3.0—Financial Letter-box. 3.15—A Musical Comedy. 3.45—Songs. 4.0—Talk: Glass and Porcelain. 4.15—Station Orchestra. Conductor: Nawrot. 4.50—Letter-box. 5.0—Chamber Music. Snieckowski (Oboe), Sulikowski (Pfte.), Bartnickowski (Flute), Rudnicki (Clarinet) and Szulc (Bassoon). Oboe and Pfte.: Idillio-Concertino (Wolf-Ferrari). Trio for Flute, Clarinet and Bassoon (Woytowicz). 5.30—Talk: Paul Bourget and his Followers. 5.45—Announcements. 5.55—For Farmers. 6.5—Announcements. 6.35—Sports. 6.50—Topical. 7.0 (from Katowice)—Symphony Orchestra. Conductor: Mierzejewski. Markiewicz (Pfte.). Leonora Overture No. 3 (Beethoven). Pfte. and Orchestra: Fantasia (Debussy). Symphony No. 2 (Beethoven). Overture, "Tannhäuser" (Wagner). Death and Transfiguration (Strauss). In the interval at 7.50: News; Talk: Poland To-day. 9.30 (from Cracow)—Talk for Doctors. 9.45—Talk in English: The Polish Woman. 10.0—Weather. 10.5—Dance Music. Station Orchestra. Conductor: Górzynski.

WEDNESDAY Jan. 29

5 p.m.

ATHLONE, 5.30—For Children.
BERLIN, See Frankfurt. **BEROMÜNSTER**, For Children. 5.30—Schubert Sequence (Mohr). **BRESLAU**, Orchestra. Conductor: Rischka. Kerndorf (Cello). **BRUSSELS (1)**, Mickey's Club Dance Band. **BRUSSELS (2)**, For Young People. **BUDAPEST (1)**, Bertha Salon Orchestra. 5.30—Talk.
COLOGNE, See Frankfurt.
DEUTSCHLANDSENDER, Classical Music. Flute, Violin and Harpsichord. 5.30—Talks.
FRANKFURT, Variety—Orchestra, Soprano, Tenor, Bass, Pfte., Organ.
HAMBURG, See Frankfurt. 5.45—Announcements. **HILVERSUM (1,875 m.)**, For Children. 5.10—Residentie Orchestra. Conductor: Votto. Bresser (Cello). **HILVERSUM (301.5 m.)**, For Children. 5.40—For Farmers.
KALUNDBORG, For Farmers. 5.20—French Lesson. Announcements. **KÖNIGSBERG**, See Frankfurt.
LEIPZIG, Seven Centuries of German Music—EmDe Orchestra. Conductor: Steinbock. Lotte Theile (Soprano Songs and Commentary), Göpelt (Baritone).
MOSCOW, Mozart Opera Excerpts. 5.45—Armenian Concert. **MUNICH**, Variety.
OSLO, For Children. 5.30—French Lesson. 5.55—News.
PARIS (PTT), Poulet Concert Orchestra. Conductor: Cloez. 5.30—Talks.
RADIO-NORMANDIE, Time, Light Music. 5.15—Records. **RADIO-PARIS**, Talk. 5.15—Books. 5.30—Poulet Concert Orchestra. Conductor: Cloez. Madeleine Barbreau (Songs). **ROME**, Concert (contd.), Announcements.
SOTTENS, Records and Talks. **STOCKHOLM**, Records. 5.45—German Lesson. **STRASBOURG**, 5.15—Records. 5.30—Orchestra. **STUTTIGART**, See Frankfurt.
TURIN, See Rome. 5.50—Announcements.
VIENNA, Talk, Esperanto. 5.50—Talk.
WARSAW, Warsaw String Quartet. 5.30—Letter-Box, Announcements.

6 p.m.

ATHLONE, For Children. 6.15—Records. 6.45—News.
BERLIN, See Frankfurt. 6.45—Echos. **BEROMÜNSTER**, Announcements. 6.30—Cello Sonata in E minor (Brahms). 6.45—Romain Rolland Anniversary Programme. **BRESLAU**, Orchestra (contd.). 6.45—Reading. **BRUSSELS (1)**, Handel Records. 6.15—Talk. 6.30—Dance Band. **BRUSSELS (2)**, Talk, Record. 6.19—Lechner (Songs). 6.45—Talk. **BUCHAREST**, News. 6.15—Records. Letter-box. **BUDAPEST (1)**, Gergely (Pfte.). 6.45—Play.
COLOGNE, See Frankfurt. 6.45—Snapshots.
DEUTSCHLANDSENDER, Bilder einer Wanderung (Ingenbrand), by Stieh (Pfte.). 6.30—Report on Records: Manoeuvres in the Riesengebirge.
FRANKFURT, Variety (contd.). 6.45—Announcements.
HAMBURG, Choir and Gregor (Organ). 6.45—For Girls. **HILVERSUM (1,875 m.)**, Residentie Orchestra. Conductor: Votto, v. d. Sluys (Soprano). In the interval at 6.10: Talks. **HILVERSUM (301.5 m.)**, For Farmers. 6.40—Announcements.
KALUNDBORG, News, Talk. **KÖNIGSBERG**, See Frankfurt. 6.45—Topical.
LEIPZIG, Mandoline Band and EmDe Orchestra. Conductor: Weichert. 6.45—Call of Youth, Announcements.
MONTE CENERI, Radio Orchestra. 6.45—News. **MOSCOW**, Concert (contd.). 6.15—Light Music. **MUNICH**, Variety.
OSLO, News, For Farmers. 6.40—“A Musical Journey”—Station Orchestra.
PARIS (PTT), Poulet Concert Orchestra. Conductor: Cloez. Madeleine Barbreau (Songs). 6.30—Reviews. **POSTE PARISIEN**, 6.15—Exchange. 6.20—Jewish Programme. 6.35—Topical and Records. **PRAGUE**, News. 6.10—Record, Topical. 6.25—Operetta Music.
RADIO-NORMANDIE, For Children. 6.45—News. **RADIO-PARIS**, For Young People. 6.30—Poulet Concert Orchestra. **ROMANIA**, See Bucharest. **ROME**, Announcements, Tourist Report (German). 6.20—News (English). 6.44—News (French).
SOTTENS, Talk. 6.10—Record, Talks. **STOCKHOLM**, German Lesson. 6.15—News. 6.30—Talk. **STRASBOURG**, Orchestra. 6.30—Talk, Records. **STUTTIGART**, See Frankfurt. 6.45—Monologue.
TOULOUSE, Exchange, Orchestra. 6.15—Opera Arias. 6.30—Orchestra. **TURIN**, News.
VIENNA, News. 6.25—“The Seraglio” (Mozart), from the Opera.
WARSAW, Announcements. 6.50—Topical.

dren. 6.45—News. **RADIO-PARIS**, For Young People. 6.30—Poulet Concert Orchestra. **RADIO-ROMANIA**, See Bucharest. **ROME**, Announcements, Tourist Report (German). 6.20—News (English). 6.44—News (French).
SOTTENS, Talk. 6.10—Record, Talks. **STOCKHOLM**, German Lesson. 6.15—News. 6.30—Talk. **STRASBOURG**, Orchestra. 6.30—Talk, Records. **STUTTIGART**, See Frankfurt. 6.45—Monologue.
TOULOUSE, Exchange, Orchestra. 6.15—Opera Arias. 6.30—Orchestra. **TURIN**, News.
VIENNA, News. 6.25—“The Seraglio” (Mozart), from the Opera.
WARSAW, Announcements. 6.50—Topical.

7 p.m.

ATHLONE, Madeleine Larchet and Edith Lange (Violin Duets). 7.30—

PRINCIPAL EVENTS

SYMPHONY CONCERTS
P.M.
7.0 Stockholm: Beethoven's 9th; Talich.
8.55 Budapest 1: Tchaikovsky's Second, etc.
9.30 Strasbourg: Beethoven No. 7.
9.30 Stuttgart: Vivaldi, Telemann, Messner.
LIGHT CONCERTS
12.15 Radio-Paris: National orchestra.
1.50 Kalundborg: Preil's ensemble.
2.30 Radio-Paris, etc.; Orchestra, pfte.
5.0 Frankfurt, etc.: Variety programme.
5.30 Strasbourg: Orchestra.
6.40 Oslo: Station Orchestra.
7.40 Kalundborg: Lud. Nielsen programme.
7.45 Berlin, Stuttgart: Wagner programme.
7.45 Cologne: Orchestra, songs.
7.55 Prague: Orchestra, choir.
8.0 Brussels 1: Military band.
9.10 Vienna: Popular orchestral.
9.15 Kalundborg: Folk Dance Rhythms.
9.30 Leipzig: Popular orchestral.
10.0 Poste Parisien: Light orchestral.
11.0 Frankfurt, Stuttgart: Serenade.
11.15 Radio-Paris: Light music.
OPERAS
6.25 Vienna; “Il Seraglio” (Mozart).
7.35 Rome: Three one-act operas (Puccini).
7.45 Hamburg: “Der Musikant” (Bittner).
7.50—Soloists. **TURIN**, 7.5—Announcements. Talk. 7.15—News. 7.35—Students' Programme. **VIENNA**, “The Seraglio” (contd.). **WARSAW**, Records. 7.45—News, Talk.

CHAMBER MUSIC

5.0 Deutschlandsender: Classical prog.
5.0 Warsaw: Quartet miniatures.
7.0 Sottens: Trio (Villa-Lobos).
RECITALS
4.0 Radio-Paris: 'Cello.
8.0 Oslo: Harp, song.
8.0 Warsaw: Chopin.
8.30 Paris (PTT): Vocal ensemble.
PLAYS
8.10 Strasbourg: Three short plays.
8.45 Radio-Paris: Labiche comedies.
TALKS
8.45 Sottens: The League of Nations.
9.0 Poste Parisien: Mireille and her friends.
LAST NEWS BULLETINS
For Schedule see Monday.
DANCE MUSIC
5.0 Brussels 1; 9.0, Sottens, Stockholm, Warsaw; 9.30, Breslau; 9.35, Oslo; 10.0, Deutschlandsender; 10.10, Brussels 2; 10.30, Budapest 1; 10.45, Radio-Paris, Vienna; 12.0, Radio-Normandie.
MISCELLANEOUS
6.45 Beromünster; Romain Rolland's seventieth birthday.
8.45 Beromünster: For Swiss Nationals Abroad.
9.0 Brussels 1: Pages from Brussels History.
9.0 Paris (PTT): Revue.

9 p.m.

ATHLONE, Pfte. (contd.). 9.20—A Poetreads. 9.30—Variety.
BARCELONA, Orchestra. 9.30—“Eva Quintanas”—Comedy (Ridas). **BERLIN**, News. 9.15—See Munich. 9.30—Riding Report. 9.40—Concert from Cologne. **BEROMÜNSTER**, For Swiss abroad. 9.30—Report. **BRESLAU**, News. 9.15—See Munich. 9.30—Station Dance Band. **BRUSSELS (1)**, “Brussels”—Historical Sequence (Guislain). Music by Colin. 9.35—Military Band. **BRUSSELS (2)**, To be announced. **BUCHAREST**, Orchestra. 9.45—News. **BUDAPEST (1)**, Orchestra (contd.).
COLOGNE, News. 9.15—See Munich. 9.30—Light Music and Dance Music—Paul von Beky Orchestra.
DEUTSCHLANDSENDER, News. 9.15—See Munich. 9.30—Walter Praetorius (Songs).
EIFEL TOWER, To be announced. 9.15—National Wind Quintet and Soloists.
FRANKFURT, News. 9.15—See Munich. 9.30—See Cologne.
HAMBURG, “Der Musikant” (contd.). 9.15—See Munich. 9.30—News. **HILVERSUM (1,875 m.)**, Dramatic Programme. 9.40—News. 9.45—Light Music—The Ramblers. **HILVERSUM (301.5 m.)**, To be announced. In the interval at 9.25: Records and at 9.35: News.
KALUNDBORG, News. 9.15—Folk Dances. **KÖNIGSBERG**, News. 9.15—See Munich. 9.30—See Cologne.
LEIPZIG, News. 9.15—See Munich. 9.30—Station Orchestra.
LILLE, Orchestra (contd.).
MADRID (EAJ7), Talk. 9.15—

8 p.m.

ATHLONE, Regional Broadcast (contd.). 8.50—Lenzen (Pfte.). **BERLIN**, Wagner (contd.). **BEROMÜNSTER**, News. 8.20—Romantic Music. Henneberger (Pfte.). 8.45—For Swiss abroad. **BRESLAU**, “The Gordon Bennett Balloon Races in 1908”—Sequence (Roch). **BRUSSELS (1)**, Military Band. **BRUSSELS (2)**, Paganini in Berlin—Play (Rombach). 8.30 To be announced. **BUCHAREST**, 8.5—Radio Orchestra. 8.30—News. 8.45—Radio Orchestra. **BUDAPEST (1)**, Magyar Cigany Band. 8.55—Opera Orchestra. Conductor: Fridl—Tchaikovsky, Glinka, Glazunov, Liadov.
COLOGNE, Orchestra (contd.).
DEUTSCHLANDSENDER, Woitschach Band.
EIFEL TOWER, Topical. 8.30—To be announced.
FRANKFURT, Variety.
HAMBURG, “Der Musikant” (contd.). **HILVERSUM (1,875 m.)**, Records. 8.40—Dramatic Programme. **HILVERSUM (301.5 m.)**, Records. 8.10—Talk. 8.25—Records. 8.30—To be announced.
KALUNDBORG, Nielsen Concert (contd.). 8.40—Reading. **KÖNIGSBERG**, Orchestra (contd.).
LEIPZIG, See Frankfurt. **LILLE**, Records. 8.30—Orchestra, Soprano, Entertainer.
MONTE CENERI, To be announced.
MOSCOW, Grand Theatre Relay.
MUNICH, See Deutschlandsender.

10 p.m.

ATHLONE, Variety. 10.30—What happened today; Light Music.
BARCELONA, 10.5—News. 10.15—“Eva Quintanas” (contd.). **BERLIN**, See Cologne. **BRESLAU**, Station Dance Band. **BRUSSELS (1)**, News. 10.10—Records. **BRUSSELS (2)**, News. 10.10—Brenders Dance Band. **BUCHAREST**, Cristea Orchestra. **BUDAPEST (1)**, Orchestra (contd.). 10.10—Interview on Records (in French). 10.30—Dance Records.
COLOGNE, Orchestra (contd.).
DEUTSCHLANDSENDER, Lutter Dance Band.
EIFEL TOWER, Wind Quintet (contd.).
FRANKFURT, See Cologne.
HAMBURG, See Cologne. **HILVERSUM (1,875 m.)**, Light Music (contd.). 10.40—Records. **HILVERSUM (301.5 m.)**, To be announced. 10.20—Talk. 10.35—Records.
KÖNIGSBERG, See Cologne.
LEIPZIG, Orchestra (contd.). **LILLE**, Orchestra (contd.). 10.30—News. **MADRID (EAJ7)**, News. 10.15—Trio. **MOSCOW**, English Talk. **MUNICH**, Station Dance Band.
OSLO, Dance Records.
PARIS (PTT), Revue (contd.). 10.30—News. **POSTE PARISIEN**, Orchestra. 10.30—Light Music.
RADIO-NORMANDIE, Variety. **RADIO-PARIS**, Comedies (contd.). 10.45—Dance Music—Locatelli Orchestra. **RADIO-ROMANIA**, See Bucharest. **ROME**, News.
STRASBOURG, Symphony (Beethoven) (contd.). **STUTTIGART**, Symphony Concert (contd.).
TOULOUSE, 10.5—English. Dance Music. 10.30—News. 10.50—Dance Music. **TURIN**, News (Italian, Spanish).
VIENNA, Announcements. 10.5—Light Music. 10.45—Dance Records.
WARSAW, Dance Records.

11 p.m.

ATHLONE, Anthem.
BARCELONA, “Eva Quintanas” (contd.). Records. **BUDAPEST (1)**, 11.5—News.
FRANKFURT, Records: Dobrindt and Lutter Bands and Soloists.
HILVERSUM (1,875 m.), Records. **HILVERSUM (301.5 m.)**, Records.
KÖNIGSBERG, 11.5—Talk.
MADRID (EAJ7), Trio. 11.15—Dance Music. 11.45—News.
PARIS (PTT), U.S.A. Bulletin.
RADIO-NORMANDIE, Dance Music. 11.30—News. 11.40—Concert.
RADIO-PARIS, Dance Music (contd.). 11.15—Light Music—Locatelli Orchestra.
STUTTIGART, See Frankfurt.
TOULOUSE, Light Music. 11.45—Songs.
VIENNA, Dance Records.

12 midnight

FRANKFURT, Records (contd.).
RADIO-NORMANDIE, Dance Music. In the interval at 12.30: Time.
RADIO-PARIS, Light Music (contd.).
STUTTIGART, See Frankfurt.
TOULOUSE, Light Music. 12.15—News. 12.20—Marches.

1 a.m. (Thursday)

RADIO-NORMANDIE, Dance Music.

NATIONAL For Time Signals, see Monday

Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 60 kW. Relayed by Dublin, 1,348 kc/s (222.6 m.); and Cork, 1,240 kc/s (241.9 m.). 1.30-2.30 p.m.—Records. 5.30—For Children. 6.15—Records. 6.45—News. 7.0—Violin Duets by Madeleine Larchet and Edith Kelly Lange. 7.30—Talk by Francis Stuart: How to write a short story. 7.50—Regional Broadcast from Co. Roscommon. 8.50—Dr. Karl Lenzen (Pfte.). 9.20—A Poet reads his own Verse. 9.30—Variety. 10.30—What happened to-day; Light Music. 11.0—National Anthem.

BARCELONA (EAJI) (Spain)

795 kc/s (377.4 m.); 7.5 kW. Transmits at intervals from 7.15 a.m. 9.5 p.m.—Station Orchestra. 9.30—"Eva Quintanas"—Comedy in Three Acts (Rivas). In the interval at 10.5: News. After the Comedy: Records. 12.0 m.—News.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Orchestra from Saarbrücken. Echoes. 1.0 p.m.—News. 1.15—Orchestra. 2.0—Exchange. 3.0—"Manoeuvres on the Lüneburg Heath"—Sequence with Music

(Brahms). 6.45—Romain Rolland Anniversary Programme. 8.0—News. 8.10—Romantic Music by Henneberger (Pfte.). 8.45—For Swiss Nationals Abroad. 9.30—Tourist Report.

BRATISLAVA (Czechoslovakia)

1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 5.15 a.m. 8.40—"Queen of the Underworld"—Sketch (Benický-Benediktová). 9.0—See Prague. 9.15—News (Hungarian). 9.30-10.0—Records.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz, 1,231 kc/s (243.7 m.). Transmits at intervals from 4.0 a.m. 11.0 a.m.—Orchestra and Soloists from the Municipal Theatre, Beuthen. Conductor: Peter. 1.0 p.m.—News; Exchange; Greetings. 1.15—Variety from Deutschlandsender. 2.0—Markets. 2.10—Reading and Talk. 2.30—For Children. 3.0—A Guide to Breslau. 3.20—Mosler (Pfte.). 3.40—Reading. 4.0—Musical Programme. 4.30—Topical Report. 4.50—Announcements; Markets. 5.0—Station Orchestra. Conductor: Rischka. Kerndorff ('Cello). 6.45—Reading (Goerlitz). 7.0—News. 7.15—See Leipzig. 8.0—"The Gordon Bennett Balloon Races in 1908"—Sequence (Roch). 9.0—News. 9.15—See Munich.

dresco (Violin) and Vasilesco-Dejano (Songs). 8.5—Radio Orchestra. Conductor: Teodoru. 8.30—News. 8.45—Radio Orchestra (contd.). 9.45—News (French, German, Romanian). 10.0-11.0—Cristea Orchestra.

BUDAPEST (No. 1) (Hungary)

546 kc/s (549.5 m.); 120 kW. 9.20 a.m.—Talks. 11.5—Records. 11.30—News. 12.20 p.m.—Weather. 12.30—Anna Nedelkovits and Ferenc Szórád (Songs). 1.40—For Housewives. 3.10—For Schools. 3.45—Weather. 4.0—Imre Breznay. 4.30—Bertha Salon Orchestra. 5.30—Talk: The National Stadium. 6.0—László Gergely (Pfte.). 6.45—Play (Bosin). 7.30—News. 7.50—Imre Magyar Cigány Band. 8.50—Weather. 8.55—Opera Orchestra. Conductor: Fridl. Symphony No. 2 (Tchaikovsky). K. a m a r i n s k a y a (Glinka). Ballad (Glazunov). Russian Folk Songs (Liadov). 10.10—Programme in French: György Ottlik interviews Louis-Dominique Girard (on Records). 10.30—Dance Records. 11.5—News.

BUDAPEST (No. 2) (Hungary)

359.5 kc/s (834.5 m.); 20 kW. 5.0 p.m.—Italian Lesson. 5.35—Bertha Salon Orchestra. 6.5—Aurél Hézsér. 7.50—Grofé Records.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Düsseldorf Concert Orchestra. Conductor: Artz. In the interval at 12.0 noon: News; Greetings. 1.0 p.m.—News. 1.15—Variety from Deutschlandsender. 2.0—News Books for Children. 2.45—Markets. 3.0—Talk: Genealogy. 3.30—Variety. 5.0—See Frankfurt. 6.45—Snapshots. 7.0—News. 7.15—See Leipzig. 7.45—Station Chamber Orchestra. Conductor: Hagedstedt. Margarete Katzley (Soprano). Overture, "The Italian Girl in Algiers" (Rossini). Two German Peasant Dances (Spies). Abendlied (Blume). Die kleinste Truppe (Löhr). Tanz unter der Dorflinde (Reinecke). Canzonetta (Schütt). Songs. Selection, "Rose Marie" (Friml). Ungarisch (Knümann). Galantry (Ketelbey). Prestissimo (Waldteufel). 9.0—Time; News. 9.15—Olympic Games Report from Garmisch-Partenkirchen. 9.30-11.0—Light Music and Dance Music—Paul von Böcky Orchestra.

DEUTSCHLANDSENDER (Germany)

191 kc/s (1,571 m.); 60 kW. Transmits at intervals from 5.0 a.m. 5.0 a.m.—Chimes; Motto; Hymn; Gym. 5.30—Military Band. In the interval at 6.0: News. 7.30—Hörze Band. 8.0—To be announced. 8.40. 9.0—Gym. 9.15—"Mozart's Youth"—Play (Wetschy). 9.45—For Children. 10.30—Gardening Talk. 10.40—For Peasants. 11.0—See Königsberg. 11.55—Time. 12.0 noon—Greetings. 12.15 p.m.—Concert from Königsberg. 12.45—News. 1.0—Variety. 2.0—Announcements. 2.15—Records. 2.45—Christoph Wiprecht reads. 3.0—Variety. Dobrindt Band. Mandoline Orchestra and the Tegernsee Trio. 5.0—Gustav Scheck (Flute), Grete Eweler (Violin) and Lili Kroeber-Asche (Harpisichord). Sonata in G for Harpsichord and Violin (Haydn). Pieces (Ph. E. Bach). Harpsichord: Die Flötenuhr (Haydn). Sonata in D for Flute and Harpsichord (Fr. Bach). 5.30—Talk: Animals in Winter. 5.50—Talk: In a Chemist's Shop. 6.0—"Bilder einer Wanderung" (Ingenbrand) by Willi Stech (Pfte.). 6.30—Report: Winter Manoeuvres in the Riesengebirge (on Records). 7.0—Motto; News. 7.15—See Leipzig. 7.45—Woitschach Band. March, In True fest (Teike). Overture, "Fra Diavolo" (Auber). Ein Morgen in Sanssouci (Kockert). Im schönen Tal der Isar (Löhr). March (Woitschach). Berlin bei Nacht (Lincke). Serenade, Liebesglocken (Woitschach). March, Weidmannsheil (Reckling). Waltz (Lincke). Stephanie-Gavotte (Czibulka). Selection, "Der Bettelstudent" (Müllöcker). March (Lincke). 9.0—News. 9.15—See Munich. 9.30—Walter Praetorius (Songs). 9.45—Weather. 10.0-11.0—Lutter Dance Band.

WEDNESDAY (January 29)

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Relayed by Cassel, Coblenz, Freiburg, Kaiserslautern and Trier, 1,195 kc/s (251 m.). Transmits at intervals from 5.0 a.m. 11.0 a.m.—Orchestra from Saarbrücken. 1.0 p.m.—Time; News. 1.10—Variety from Deutschlandsender. 2.0—Economics Report; Time; Markets. 2.15—Talk: Fritz Boehle. 2.30—Animal Book Review. 2.50—Anecdotes about Frederick the Great. 3.0—Concert. Part I. Orchestra from Cassel. Part II. Rudolf Racky Music. Arthur Holl (Baritone) and Rudolf Racky (Pfte.). Part III. Hedi von Below (Soprano) and Rudolf Racky (Pfte.). 4.30—Talk: The House of Heldenberg. 5.0—Variety. Station Orchestra. Conductor: Hess. Trautmann (Soprano). Assmann (Tenor). Hospach (Bass). Kullman (Pfte.). Salfert (Cinema Organ). 6.45—Announcements. 6.55—Weather; Markets. 7.0—Time; News. 7.15—See Leipzig. 7.45—Variety from the Saalbau, Darmstadt. Hauck Band and Soloists. 9.0—Time; News. 9.15—See Munich. 9.30—See Cologne. 11.0-11.0 a.m. (Thursday)—"Castles in the Moon"—Serenade by the Dobrindt and Lutter Bands and Soloists (Records).

HAMBURG (Germany)

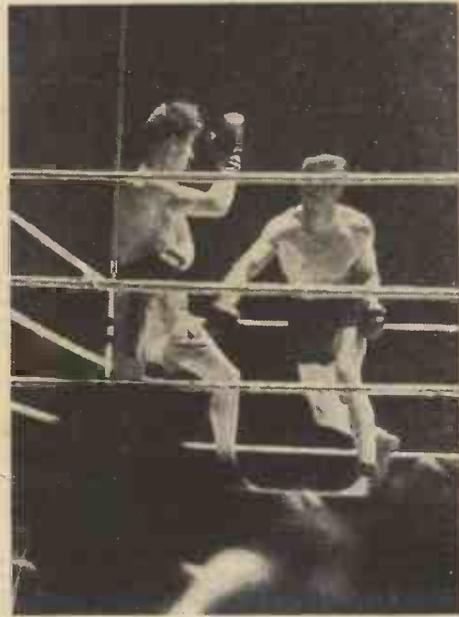
904 kc/s (331.9 m.); 100 kW. Relayed by Bremen, Flensburg, Hanover, Magdeburg, and Stettin, 1,330 kc/s (225.6 m.). Transmits at intervals from 5.0 a.m. 11.0 a.m.—Announcements. 11.10—Orchestra from Saarbrücken. 1.0 p.m.—News. 1.20—Music. 2.0—Exchange. 2.40—Shipping. 3.0—See Deutschlandsender. 4.10—For Boys. 4.30—Ludwig Roselius Concert. Schlee (Soprano), Guhl (Contralto), the Composer (Pfte.), and Ernst Dohertz (Viola). Einsiedler. Soprano: (a) Mariclied, (b) Das Reh, (c) Der Hütejunge. Intermezzo for the Pfte. Sonata in B minor. Soprano: (a) Das Hockenkind, (b) Die Katze, (c) Der Kuckuck. 5.0—See Frankfurt. 5.45—Harbour Notes; Weather. 6.0—Station Choir. Conductors: Gregor (Organ) and Paul Schwob. Feierabend (Rheinberger). Organ: Abendruhe (Rheinberger). Zögern leise (Schubert). Die Rose stand im Tau (Schumann). Abendständchen (Brahms). Liebes Mädchen hör mir zu (Haydn). Organ: Evening Song (Bossi). Auf dem Canale Grande (Lemacher). Organ: Aeolsharfe (Bunk). Songs (Czernik). Abendglocken (Golwyn). 6.45—For Peasant Girls. 7.0—News. 7.15—See Leipzig. 7.45—"Der Musikant"—Opera (Bittner). Conductor: Schlemm. 9.15—See Munich. 9.30—News. 10.0-11.0—Concert from Cologne.

HILVERSUM (1,875 m.) (Holland)

160 kc/s; 10 kW until 2.40 p.m. 100 kW from 2.40 p.m. V.A.R.A. Programme. 7.40 a.m.—Records. 9.10—Talk. 9.40—V.P.R.O. Religious Programme. 9.55—Records, Talk. 10.40—Talk. 11.0-1.25 p.m.—Records. 1.40—For Women. 1.55—Records. 2.40—For Children. 5.10—Residentie Orchestra. Conductor: Votto. Bresser ('Cello). 6.10—Talks. 6.55—Residentie Orchestra. Conductor: Votto. T. v. d. Sluys (Soprano). 7.40—News. 7.55—Records. 8.40—Dramatic Programme. 9.40—News. 9.45—Light Music by the Ramblers. Conductor: Masman. 10.40-11.40—Records.

HILVERSUM (301.5 m.) (Holland)

995 kc/s; 15 kW until 2.40 p.m. and 60 kW from 2.40 p.m. K.R.O. Programme. 7.40-9.10 a.m.—Bible Reading; Prayer; Records. 10.10—Service. 10.40—Jurjaanz (Harmonium), Mijnhout-Bakkenist (Contralto) and de Jager (Soprano). 11.40—Police Messages; Records. 12.10 p.m.—Orchestra and Records. 2.10—Records. 2.55—Nel Takken (Pfte.). 3.40—Records. 4.40—For Children. 5.40-6.10—For Farmers. 6.40—Announcements; Report; Records. 7.40—News; Records. 8.10—Talk. 8.25—Records. 8.30—To be announced. In the interval at 9.25; Records; News. 10.20—Talk. 10.35-11.10—Records.



The Petersen-Harvey contest is being relayed by a number of stations in the U.S.A.

(Widmann). 3.30—Talk: Boating on the Spree. 3.45—Classical German Songs. Agnes von Spetzler (Soprano) and Fritz Thöne (Pfte.). 4.30—Sports Talk. 5.0—See Frankfurt. 6.45—Evening Echoes. 7.0—News. 7.15—See Leipzig. 7.45—Popular Wagner Concert. Station Orchestra and Choir. Conductor: Frickhoeffer. Soloists: Bruno Masurat (Violin), Hanna Sanda and Hanns Wunderlich (Songs). Overture, "Die Feen." Violin and Orchestra: Albumblatt. Excerpts, "Lohengrin." Aria and Duet, "The Flying Dutchman." Overture, "Tannhäuser." 9.0—News. 9.15—Winter Olympic Games Report from Garmisch-Partenkirchen. 9.30—Report: The Seventh International Riding and Driving Tournament, from the Deutschlandhalle. 9.40-11.0—Concert from Cologne.

BEROMÜNSTER (Switzerland)

556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.). 5.30 a.m.—Gym. 11.0—Chopin Records by Brailowsky. 11.29—News. 11.40—Records: Tone Poems. 12.25 p.m.—Exchange. 3.0-5.30—Programme from Berne. 3.0—For Women. 3.30—Station Orchestra. Conductor: Reinshagen. 3.45—Schubert Songs by Binggeli. 3.55—Excerpts: "Die Vielgeliebte" (Dostal). 4.10—Song Hits by the "Reveller Harmonists." 4.25—Schiffmann String Quartet. 5.0—For Children. 5.30 till Close—Programme from Basle. 5.30—"The Young Schubert"—Sequence (Mohr) (on Records). 6.0—Announcements; Markets. 6.20—"Cello Sonata in E minor

9.30-11.0—Station Dance Band. Conductor: Rau.

BRUSSELS (No. 1) (Belgium)

620 kc/s (483.9 m.); 15 kW. 6.37-9.0 a.m.—Records; Gym; News. 12.0 noon—Constantin Orchestra. Conductor: Maetens. 1.0 p.m.—News. 1.10—Records. 2.0-2.45—Music Talk for Schools. 4.55—News. 5.0—Mickey's Club Dance Band. 6.0—Records: Firework Music (Handel). 6.15—Talk: The Archbishop and the Peasant. 6.30—Brenders and the Radio Dance Band. 7.30—Medical and Government Notes. 8.0—Military Band. 9.0—"Brussels."—Historical Sequence (Guislain) with Music by Colin. 9.35—Military Band. 10.0—News. 10.10-11.0—Records.

BRUSSELS (No. 2) (Belgium)

932 kc/s (321.9 m.); 15 kW. Programme in Flemish. 6.37-9.0 a.m.—Records; Gym; News. 12.0 noon—Records. 1.0 p.m.—News. 1.10—Orchestra. 2.0-2.3—Shipping. 4.55—News. 5.0—For Young People. 6.0—Talk. 6.15—Record: Overture, "Abu Hassan" (Weber). 6.19—Lechner (Songs). 6.45—Talk. 7.0—Records. 7.30—For Ex-Servicemen. 8.0—"Paganini in Berlin"—Play (Rombach). Trans. by Rost. 8.30—To be announced. 10.0—News. 10.10-11.0—Stan Brenders and the Radio Dance Band.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania (Brasov) 160 kc/s (1,875 m.). Transmits at intervals from 10.30 a.m. 6.0 p.m.—News. 6.15—Records. 6.50—Letter-box. 7.10—Lina Alexan-

REGIONAL For Time Signals, see Monday

Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

Jan. 30 **THURSDAY**

5 p.m.
ATHLONE, 5.30—For Children.
BERLIN, See Königsberg. **BEROMÜNSTER**, Records, Talk. **BRESLAU**, See Königsberg. **BRUSSELS (1)**, Ravel Records, For Children. **BRUSSELS (2)**, Beethoven, Chopin—Anna de Maeyer (Pfte.), For Children. **BUDAPEST (1)**, Talk. 5.30—Lugosy (Tárogató), Reading. **COLOGNE**, See Königsberg. **DEUTSCHLANDSENDER**, Quintet (Klughardt), 5.30—Talk, Sports. **EIFFEL TOWER**, 5.30—Lecture from the Sorbonne.
FRANKFURT, See Königsberg. **HAMBURG**, See Königsberg. **HILVERSUM (1,875 m.)**, Play, 5.10—Talk, Records. **HILVERSUM (301.5 m.)**, Records. 5.25—Oortman-Haye (Contralto), v. Dijk (Pfte.). **KALUNDBORG**, Talk. 5.20—English Lesson, Announcements. **KÖNIGSBERG**, Orchestra, Dance Band.
LEIPZIG, See Königsberg. **MOSCOW**, 5.15—Scandinavian Poetry, 5.45—Concert. **MUNICH**, Orchestra, Entertainer, Fassler (Tenor).
OSLO, Address, 5.30—Corelli, Pugnani, Sinigaglia, Gunström, Paganini, by Gunström (Viola), News.
PRAGUE, German Transmission (contd.), 5.45—News, Records. **RADIO-NORMANDIE**, Time, Light Music, 5.30—Orchestra. **RADIO-PARIS**, "Les Fourberies de Scapin" (Molière). **ROME**, For Farmers, Talk, Announcements. **SOTTENS**, Records, For Women, Records. **STOCKHOLM**, Records, 5.45—English Lesson. **STUTTGART**, See Königsberg.
TURIN, Snow Report, For Farmers, Markets, Talk, Announcements. **WARSAW**, Brahms—Berkwic (Pfte.), 5.30—Talks, For Peasants.

6 p.m.
ATHLONE, For Children, 6.15—Records, 6.45—News.
BERLIN, See Königsberg. 6.45—Evening Echoes. **BEROMÜNSTER**, Report, 6.5—The League of Nations. 6.25—The Swiss Confederation—Songs and Poems. **BRATISLAVA**, 6.50—Sarasate, Nedbal—Orchestra. Bláha (Violin). **BRESLAU**, See Königsberg. 6.45—Topical. **BRUSSELS (1)**, For Children, Talk, 6.30—Ballet Music. **BRUSSELS (2)**, For Children, 6.15—Lova Trio, Talk. **BUCHARREST**, News, Markets, 6.15—Angel (Songs), 6.30—Song Records, 6.55—Talk. **BUDAPEST (1)**, Reading, 6.30—"A Masked Ball" (Verdi).
COLOGNE, See Königsberg. 6.45—Snapshots.
DEUTSCHLANDSENDER, Dittersdorf, Schubert, Haydn—Strub Quartet, 6.45—Topical.
EIFFEL TOWER, Sorbonne Lecture (contd.), 6.30—Records, Review.
FRANKFURT, See Königsberg. 6.45—Today's Mirror, Announcements.
HAMBURG, See Königsberg. 6.45—Hitler Youth Choir. **HILVERSUM (1,875 m.)**, Records, Talk, For Children, 6.45—Theo v.d. Pas (Pfte.). **HILVERSUM (301.5 m.)**, Contralto and Pfte. (contd.), 6.25—Talk, Announcements, Report.
KALUNDBORG, News, Talks. **KÖNIGSBERG**, Orchestra, Dance Band, 6.45—Topical.
LEIPZIG, See Königsberg. 6.45—Review.
MONTE CENERI, Bizet Records, Talk, 6.45—News. **MOSCOW**, Concert. **MUNICH**, Orchestra, Entertainer, 6.45—Topical.
OSLO, News, Talk.
PARIS (PTT), Hüber and Andral (Songs), Jasper (Pfte.), 6.30—News. **POSTE PARISIEN**, 6.45—Exchange, Talk, For Children. **PRAGUE**, News, Records, 6.15—English Lesson, 6.30—Silesian Songs, Talk, 6.50—See Bratislava.
RADIO-NORMANDIE, Opera Music, 6.45—News. **RADIO-PARIS**, "Les Fourberies de Scapin" (contd.), 6.45—Talk. **RADIO-ROMANIA**, See Bucharest. **ROME**, Announcements, Tourist Talk (Spanish), 6.20—News (English, French).
SOTTENS, Records, Talk, 6.30—English and Viennese Waltzes, For Farmers. **STOCKHOLM**, English Lesson, News, 6.30—"Love on the Dole"—Play (Gow-Greenwood). **STRASBOURG**, 6.15—Chamber Music—Mozart, Beethoven, Pierné—Botton (Clarinet), Briançon (Oboe). **STUTTGART**, See Königsberg. 6.45—Announcements.
TURIN, News.
VIENNA, News, Snow Report, 6.20—Old Dance Music—Vienna Symphony Orchestra. Conductor: Schönherr, von Dombrowsky (Commentary).
WARSAW, Announcements, Sports.

7 p.m.
ATHLONE, Light Opera Music—Station Orchestra. Gertrude Motimer (Mezzo-Soprano), 7.50—"Birthright"—Play (Murray).
BERLIN, News, Report, 7.40—Marches—Military Band. **BEROMÜNSTER**, 7.5—Orchestra. Conductor: Bernhard, Talk. **BRATISLAVA**, Orchestra (contd.), Talk, 7.40—Flögel (Slovak Folk Songs). **BRESLAU**, News, 7.10—"Idomeno"—Opera (Mozart). **BRNO**, 7.25 p.m.—Prokop Divis Memorial—Two Plays. **BRUSSELS (1)**, For Workers, Records, Art Notes. **BRUSSELS (2)**, Light Music—Silver Moon Band, 7.30—Report. **BUCHARREST**, Talk, 7.15—Symphony Concert by the Philharmonic Orchestra. **BUDAPEST (1)**, "A Masked Ball" (contd.).
COLOGNE, News, 7.10—Orchestra. Conductor: Weisbach. Rhein (Violin). Beethoven, Mozart, Bruckner.
DEUTSCHLANDSENDER, Announcements, 7.10—Heroische Suite (Wendt). Conductor: The Composer. 7.30—"The Reich"—Historical Pageant (Möller)—Records.
FRANKFURT, News, 7.10—See Breslau.

8 p.m.
ATHLONE, "Birthright" (contd.), 8.35—Station Orchestra and Fay Sargent.
BERLIN, Military Band (contd.).
BEROMÜNSTER, News, 8.10—Orchestra. Conductor: Bernhard, Grandjeu (Pfte.). **BRESLAU**, "Idomeno" (contd.), 8.30—See Stuttgart. **BRUSSELS (1)**, Radio Orchestra. Conductor: Gason, Misson (Violin). **BRUSSELS (2)**, Symphony Orchestra. Conductor: André, Van Beveren (Songs). Haydn, Strauss, D'Hoedt, Kodaly. 8.45—Roman Catholic Review.
BUCHARREST, Symphony Concert (contd.). **BUDAPEST (1)**, "A Masked Ball" (contd.).
COLOGNE, Orchestra (contd.).

HAMBURG, News, 7.10—Songs and Marches—Military Band, Choir. **HILVERSUM (1,875 m.)**, Theo v. d. Pas (Pfte.), 7.10—English Lesson, News, 7.50—A.V.R.O. Orchestra. Conductor: van Raalte, Stable (Bass). **HILVERSUM (301.5 m.)**, Press Review, News, Records, 7.50—N.C.R.V. Orchestra.
KALUNDBORG, Talk, 7.10—Fourteenth Thursday Concert. Radio Symphony Orchestra. Conductor: Busch, Glass, Dyvofák. **KÖNIGSBERG**, News, 7.10—See Breslau.
LEIPZIG, News, 7.10—See Breslau.
MONTE CENERI, Radio Orchestra. Conductor: Casella, Frey (Pfte.). Mozart, Beethoven, Saint-Saëns. **MOSCOW**, 7.15—Concert. **MUNICH**, News, 7.10—Marches—Military Band and Soloists.
OSLO, "L'enfant prodigue" (Debussy), "Harmony" Music Society, Conductor: Heider. Soloists: Henriette Heide, Buntz and Norr.
PARIS (PTT), News, 7.38—Love Songs of the Tenth to the Sixteenth Centuries—Alice Raveau (Songs), Ginette Guillaumat (Pfte.). **POSTE PARISIEN**, For Children, Talk, 7.10—News, Music, 7.45—Wiener and Doucet (Pftes.). **PRAGUE**, See Bratislava, 7.25—Report.
RADIO-NORMANDIE, Popular Concert, 7.30—Song Records, 7.45—Interview, 7.48—News. **RADIO-PARIS**, For Children, Markets, Talk, Reading. **RADIO-ROMANIA**, See Bucharest. **ROME**, 7.5—Announcements, Talk, 7.15—News, 7.35—"La filosofia di Ruth"—Play (Gotta-Mortari).
SOTTENS, Radio Suisse romande Orchestra. Conductor: Haug, Biro (Viola). Weber, Beethoven, Müller, Jaques-Dalcroze. **STOCKHOLM**, "Love on the Dole" (contd.). **STRASBOURG**, Music, 7.30—News. **STUTTGART**, News, 7.10—See Breslau.

TOULOUSE, Music, 7.30—News, Religious Notes, Operetta Songs.
TURIN, 7.5—Announcements, 7.15—News, 7.35—Light Music.
VIENNA, Old Dance Music (contd.), 7.45—Humorous Topical Programme.
WARSAW, Carnival Scenes (Lisiewicz-Tepy), 7.45—News, Talk.

8.0 Prague: A Janáček opera.
8.30 Paris (PTT), etc.: Grétry, Boieldieu.
8.45 Radio-Paris: "Boris Godunov," Acts 1, 2.
OPERETTAS
8.30 Radio-Normandie: "Les Saltimbanques."
10.10 Brussels 2: "The Gipsy Princess."
CHAMBER MUSIC
6.0 Deutschlandsender: Quartets.
8.0 Stockholm: Violin, pfté.
10.0 Hamburg: Songs, trio.
RECITALS
5.0 Brussels 2: Pfte. (Beethoven, Chopin).
5.30 Budapest 1: Tárogató.
8.55 Warsaw: Song.
PLAYS
5.0 Radio-Paris: "Les Fourberies de Scapin."
8.0 Vienna: "Fresh Flowers Every Morning."
LAST NEWS BULLETINS
 For Schedule see Monday.
DANCE MUSIC
9.15 Prague; 9.30, Kalundborg; 10.5, Warsaw; 10.25, Vienna; 10.45, Radio-Paris; 10.50, Hilversum (1,875 m.); 11.0, Radio-Normandie.
MISCELLANEOUS
7.30 Deutschlandsender: Pages from German History.
9.15 Oslo: Cabaret.

DEUTSCHLANDSENDER, "The Reich" (contd.).
EIFFEL TOWER, Home Affairs, 8.30—Sacha Guitry Programme.
FRANKFURT, See Breslau, 8.30—"To Commemorate January 30th"—Historical Pictures by Walter Richter.
HAMBURG, Songs and Marches (contd.), 8.30—See Stuttgart.
HILVERSUM (1,875 m.), Orchestra (contd.), 8.50—Talk. **HILVERSUM (301.5 m.)**, N.C.R.V. Orchestra (contd.), 8.30—Talk.
KALUNDBORG, Concert (contd.). **KÖNIGSBERG**, See Breslau, 8.45—Excerpts from Dr. Goebbels' Diary.
LEIPZIG, See Breslau, 8.30—In a Benneckenstein Spinning Room.
MONTE CENERI, Orchestra (contd.): 8.15—"Nicolino e Nicoletta"—Play (Tiranti), 8.40—Ester Semisch (Songs), **MOSCOW**, Transport Workers' Music Society Concert (German and French Commentary). **MUNICH**, Marches (contd.), 8.30—See Stuttgart.
OSLO, "L'enfant prodigue" (contd.), 8.15—Talk, 8.40—News.
PARIS (PTT), Fashion Notes, For Young People, Review, 8.30—"Les deux avarés" (Grétry).
POSTE PARISIEN, Pftes. (contd.), 8.15—Songs, 8.45—"Faites ça pour moi"—Operetta (Gabaroché), from the Théâtre Antoine. The Composer and Eliane de Creus.
PRAGUE, "Mr. Brouček's Excursion to the Moon"—Opera (Janáček).
RADIO-NORMANDIE, 8.5—Light Music, 8.20—Talk, 8.30—"Les Saltimbanques" (Ganne). **RADIO-PARIS**, Poems and Songs—Mme. Milhaid (Recitations), Marthe Angaici (Songs), 8.30—News, 8.45—Acts I and II, "Boris Godunov" (Mussorgsky). Conductor: Inghelbrecht. **RADIO-ROMANIA**, See Bucharest. **ROME**, Baccara (Violin),

Magnoni (Soprano), Giordano, Verdi, Boito, Malipiero, Carnevali. **SOTTENS**, Orchestra (contd.), 8.25—News, 8.35—Songs by René Bersin and Company. **STOCKHOLM**, Lili Krauss (Pfte.), Goldberg (Violin). Mozart, Debussy, 8.45—News.
STRASBOURG, Press Review (German), Records, 8.30—See Paris (PTT). **STUTTGART**, See Breslau, 8.30—"Heldische Feier"—Epic Poem with Music, 8.50—**TOULOUSE**, Music, 8.50—"Werther" (Massenet). **TURIN**, "Lucia di Lammermoor" (Donizetti).
VIENNA, "Fresh Flowers every Morning"—Play (Herrmann).
WARSAW, "Oedipus Rex" (Sophocles), 8.55—Marie Maksakow (Songs).
9 p.m.
ATHLONE, 9.5—Great Irishmen—Terence MacSwiney, 9.20—Bird Calls by a Dublin Newsboy, 9.30—Variety.

BARCELONA, 9.5—Station Orchestra, 9.30—"La linda tapada"—Musical Comedy (Alonso). **BERLIN**, News, Sports, 9.20—Talk, 9.30—Orchestra. Conductor: Hüsgen, von Szpanowski (Violin), Schulz (Flute). **BEROMÜNSTER**, Orchestra (contd.). **BRESLAU**, News, Foreign Affairs, 9.40—Orchestra from Berlin. **BRUSSELS (1)**, Talk, 9.15—Orchestra (contd.). **BRUSSELS (2)**, Orchestra (contd.), 9.50—Prayer. **BUCHARREST**, Symphony Concert (contd.), Jazz Records. **BUDAPEST (1)**, "A Masked Ball" (contd.), 9.30—News, 9.45—Records.
COLOGNE, News, 9.20—See Berlin.
DEUTSCHLANDSENDER, News, Sports, Foreign Affairs.
EIFFEL TOWER, Records.
FRANKFURT, Historical Pictures (contd.), 9.15—News, 9.30—See Berlin.
HAMBURG, News, Foreign Affairs, 9.40—Music. **HILVERSUM (1,875 m.)**, Talk, 9.10—Concertgebouw Orchestra. Conductors: van Beinum and Enesco, 9.55—Records. **HILVERSUM (301.5 m.)**, "Ars et Labor" Mandoline Band, 9.20—N.C.R.V. Orchestra. Conductor: v.d. Hurk, Zwart (Organ).
KALUNDBORG, Concert (contd.), 9.15—News, Report of the Six Days' Race, 9.30—Dance Music. **KÖNIGSBERG**, News, Sports, Foreign Affairs, 9.40—Station Orchestra. Conductor: Wilcken.
LEIPZIG, News, Sports, 9.20—"Paul Fleming's Persian Journey"—Sequence.
MADRID (EAJ7), Talk, 9.15—Dance Music. **MONTE CENERI**, Songs (contd.). **MOSCOW**, Concert (contd.). **MUNICH**, News, Sports, Foreign Affairs, 9.40—To be announced.
OSLO, Talk, 9.15—Cabaret.
PARIS (PTT), "Les deux avarés" (contd.), Divertissement (Grétry),

"Les voitures versées" (Boieldieu). **POSTE PARISIEN**, "Faites ça pour moi" (contd.). **PRAGUE**, News, 9.15—Dance Music.
RADIO-NORMANDIE, "Les Saltimbanques" (contd.). **RADIO-PARIS**, "Boris Godunov" (contd.). **RADIO-ROMANIA**, See Bucharest. **ROME**, Talk, 9.10—Dance Music. **SOTTENS**, Songs (contd.), Weather, 9.30—The League of Nations. **STOCKHOLM**, Light Music—Elite Orchestra. **STRASBOURG**, See Paris (PTT). **STUTTGART**, News, Sports, 9.20—See Berlin.
TOULOUSE, "Werther" (contd.). **TURIN**, "Lucia di Lammermoor" (contd.).
VIENNA, News, 9.15—Act III, "Der gültige Antonius"—Operetta (Benesch).
WARSAW, Station Orchestra. Conductor: Gutry.

10 p.m.
ATHLONE, Variety, 10.30—What happened to-day, Light Music.
BARCELONA, 10.5—News, "La linda tapada" (contd.). **BERLIN**, Orchestra (contd.). **BRESLAU**, See Berlin. **BRUSSELS (1)**, News, 10.10—Records. **BRUSSELS (2)**, News, 10.10—Records: "The Gipsy Princess" (Kálmán). **BUCHARREST**, Jazz Records. **BUDAPEST (1)**, Records, 10.10—Cigány Band.
COLOGNE, See Berlin.
DEUTSCHLANDSENDER, See Königsberg.
FRANKFURT, See Berlin.
HAMBURG, Wolf, Reuss, Schoeck—Lore Fischer (Contralto), Breiden (Flute), Borried (Violin), Ahlgrimm (Viola). **HILVERSUM (1,875 m.)**, Records, 10.40—News, 10.50—Dance Music. **HILVERSUM (301.5 m.)**, News, 10.5—Records.
KALUNDBORG, Dance Music, 10.30—News, Old Dance Music. **KÖNIGSBERG**, Orchestra (contd.). **LEIPZIG**, Sequence (contd.), 10.20—Orchestra from Berlin.
MADRID (EAJ7), Chimes, News, 10.20—Opera Relay. **MOSCOW**, Spanish Talk, 10.30—Portuguese Talk. **MUNICH**, Orchestra. Conductor: Rammelt, Käte Lange-Schubert (Soprano).
PARIS (PTT), "Les voitures versées" (contd.), 10.30—News. **POSTE PARISIEN**, "Faites ça pour moi" (contd.).
RADIO-NORMANDIE, "Les Saltimbanques" (contd.). **RADIO-PARIS**, "Boris Godunov" (contd.), 10.45—Dance Music. **RADIO-ROMANIA**, See Bucharest. **ROME**, 10.0—News.
STRASBOURG, See Paris (PTT). **STUTTGART**, See Berlin.
TOULOUSE, 10.5—English Dance Music, 10.35—News, 10.50—"Werther" (contd.). **TURIN**, "Lucia di Lammermoor" (contd.).
VIENNA, "Der gültige Antonius" (contd.), Announcements, 10.25—Dance Music.
WARSAW, Weather, 10.5—Dance Records.

11 p.m.
BARCELONA, "La linda tapada" (contd.), 11.30—Records. **BUDAPEST (1)**, 11.5—News.
FRANKFURT, See Stuttgart.
HAMBURG, Concert (on Records). **HILVERSUM (1,875 m.)**, Dance Music. **HILVERSUM (301.5 m.)**, Records.
KALUNDBORG, Old Dance Music. **MADRID (EAJ7)**, Opera Relay (contd.), 11.15—Dance Music, 11.45—News.
POSTE PARISIEN, "Faites ça pour moi" (contd.).
RADIO-NORMANDIE, Dance Music, 11.30—News, 11.40—Variety.
RADIO-PARIS, Dance Music, 11.15—Light Music.
STUTTGART, Concert on Records.
TOULOUSE, "Werther" (contd.), 9.15—Orchestra.
VIENNA, Dance Music.

12 midnight
BARCELONA, News.
FRANKFURT, See Stuttgart.
RADIO-NORMANDIE, Dance Music, at 12.30: Time. **RADIO-PARIS**, Light Music.
STUTTGART, Concert (contd.).
TOULOUSE, Light Music, 12.15—News, 12.20—Marches.

1 a.m. (Friday)
RADIO-NORMANDIE, Dance Music

THURSDAY (January 30)

NATIONAL For Time Signals, see Monday

Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

Hours of Transmission in Greenwich Mean Time

ATHLONE (Ireland) 565 kc/s (531 m.); 60 kW. Relayed by Dublin, 1,348 kc/s (222.6 m.); and Cork, 1,240 kc/s (241.9 m.). 1.30-2.30 p.m.—Records. 5.30—For Children. 6.15—Records. 6.45—News.

7.0—Station Orchestra. Gertrude Mortimer (Mezzo-Soprano). Overture, "Nell Gwynn" (German). Selection, "No. No, Nanette" (Youmans). Gipsy Pictures (Malloy). 7.50—"Birthright"—Play (Murray), from Limerick. 8.35—Station Orchestra and Fay Sargent. 9.5—Great Irishmen by those who knew them—Daniel Corkery on Terence MacSwiney. 9.20—Bird Calls by a Dublin Newsboy. 9.30—Variety. 10.30—What happened to-day; Light Music. 11.0—National Anthem.

BARCELONA (EAJ1) (Spain) 795 kc/s (377.4 m.); 7.5 kW. Transmits at intervals from 7.15 a.m. 9.5 p.m.—Station Orchestra. 9.30—"La linda tapada"—Musical Comedy in Two Acts (Alonso). In

Dyk. Bláha (Violin). Introduction and Tarantella for Violin and Orchestra (Sarasate). Suite, "The Lazy John" (Nedbal). 7.25—Talk. 7.40—Flögl (Slovak Folk Songs). 8.0—See Prague. 9.15—News (Hungarian). 9.30-10.—Dance Music 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, Station Dance Band and Soloists. In the interval at 12.0 noon: News. 1.0 p.m.—News; Exchange; Greetings. 1.15—Variety from Deutschlandsender. 2.0—Markets. 2.10-3.40—Programme from Gleiwitz. 2.10—Report: Silesia (Records). 2.30—Strecke Recital by Eva Luka (Pfte.). Movements, Sonata in D flat. Pfte. Pieces. 3.0—Reading. 3.20—Songs by Girls. 3.40—For Mothers. 4.0—Workers' Band. 4.50—Announcements; Markets. 5.0—See Königsberg. 6.45—Topical 7.0—News. 7.10—"Idomeneo"—Opera (Mozart). Station Orchestra and Choir. Con-

ductor: Prade. Cast: Weikenmeier, Herma Kaltner, Ly Betzow, Carla Spletter and Jagielski. 8.30—See Stuttgart. 9.0—News. 9.20—Foreign Affairs. 9.40-11.0—Light Music from Berlin

BUCHAREST (Romania) 823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania (Brasov), 160 kc/s (1,875 m.). Transmits at intervals from 10.30 a.m. 6.0 p.m.—News; Markets. 6.15—Viorica Anghel (Songs). 6.30—Song Records. 6.55—Talk on the following Transmission. 7.15—Symphony Concert by the Philharmonic Orchestra. In the interval: News. After the Concert: Jazz Records.

BUDAPEST (No. 1) (Hungary) 546 kc/s (549.5 m.); 120 kW. 9.20 a.m.—Topical Talk. 9.45—Talk. 11.5—Military Band. Conductor: Fjgedy. In the interval at 11.30: News. 12.15 p.m.—Time; Weather. 12.40—Gál Ibolyko Zengö (Violin). 1.40—Markets; Cookery Notes. 3.10—Talk. 3.45—Time; Weather. 4.0—For Farmers. 4.30—Mándit Jazz Band. Conductor: Sinclair. Pál Kálmár (Refrains). 5.0—Talk: Amber 5.30—Istvan Lugossy (Tárogató). 5.55

burg, Kaiserslautern and Trier, 1,195 kc/s (251 m.). Transmits at intervals from 5.0 a.m. 11.0 a.m.-1.0 p.m.—See Munich. 1.0—News. 1.10—Variety from Deutschlandsender. 2.0—Talk on Industrial Over-Production; Exchange. 2.15—For Children. 3.0 (from Cassel)—Sterkel and Spohr Chamber Music. 3.30—Hauk Band. Margot Saldern (Song Refrains), Kullmann (Pfte.). 4.30—Humorous Hints for Linguists. 4.45—Books. 5.0—See Königsberg. 6.45—Today's Mirror. 6.55—Exchange; Announcements. 7.0—News. 7.10—See Breslau. 8.30—"To commemorate January 30th."—Historical Pictures by Richter. 9.15—News. 9.30—See Berlin.

11.0-1.0 a.m. (Friday)—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 5.0 a.m. 11.0 a.m.—Shipping. 11.10—Programme from Munich. 1.0 p.m.—News. 1.20—Music. 2.0—Exchange. 2.40—Shipping. 2.50—Ice Report. 3.0—Bremen Stadtmusikanten. Conductor: Krieg. Harjes (Flute). 4.0—Programme about Automatic Machines. 4.45—North Sea Programme (Bense). 5.0—See Königsberg. 6.45—Mittler Youth Choir. 7.0—News. 7.10—Songs and Marches by Military Bands and Choir. 8.30—See Stuttgart. 9.0—News. 9.20—Foreign Affairs. 9.40—Music. 10.0—Wolf, Reuss, Schoek. Lore Fischer (Contralto). Breiden (Flute). Borries (Violin). Ahlgrimm (Viola). Part I. Wolf Songs. In der Frühe. Verborgenheit. Das verlassene Mädchen. Gesang Weylas. Part II. Trio in G (Reuss). Part III. Songs (Schoek). Keine Rast. 'Gekommen ist der Maier. Auf meines Kindes Tod. Nachtlid.

11.0-12.0 m't—Concert (on Records). Station Orchestra. Conductor: Seidler. Miliza Korjus (Coloratura Soprano). Hamann (Violin). Finlandia (Sibelius). Movement, Violin Concerto in D minor (Sibelius). Solveig's Song (Grieg). The Nightingale (Alabieff-Müller). Overture, "Russlan and Ludmilla" (Glinka). Theme with Variations (Proch). Tarantella (Raff). Bolero (Verdi).

HILVERSUM (1,875 m.) (Holland) 160 kc/s; 10 kW until 2.40 p.m.; 100 kW from 2.40 p.m. A.V.R.O. Programme. 7.40 a.m.—Records. 8.40—Talk. 8.45—Steamers Orchestra. 9.40—Service. 9.55—Records. 10.10—Steamers Orchestra. 10.40—Dressmaking. 11.10—Renova Quintet. 11.55—Kovacs Lajos Orchestra. 1.25 p.m.—Veen (Pfte.). 1.40—A.V.R.O. Orchestra. Conductor: van Raalte. Maria Last (Mezzo-Soprano). 2.40—Dressmaking. 3.25—Records. 3.40—For Hospitals. 4.10—Records. 4.25—Play for Children. 5.10—V.P.R.O. Talk. 5.40—Records. 6.10—Sports. 6.40—For Children. 6.45—Theo v.d. Pas (Pfte.). 7.10—English Lesson. 7.40—News. 7.50—A.V.R.O. Orchestra. Conductor: van Raalte. Stabile (Bass). 8.50—Talk. 9.10—Concertgebouw Orchestra from the Concertgebouw, Amsterdam. Conductors: van Beinum and Enesco. 9.55—Records. 10.40—News. 10.50-11.40—Dance Music by the A.V.R.O. Decibels.

HILVERSUM (301.5 m.) (Holland) 995 kc/s; 15 kW until 2.40 p.m.; 60 kW from 2.40 p.m. 7.40-8.55 a.m.—K.R.O. Programme; Records. 9.40-10.40—N.C.R.V. Programme; Records; Religious Programme; Records. 10.40 a.m.-1.40 p.m.—K.R.O. Programme. 10.40—Records. 11.10—Religious Address. 11.40—Police Messages; Records. 12.10 p.m.—K.R.O. Orchestra. Conductor: van 't Woud. 1.40 till Close Down—N.C.R.V. Programme. 1.40-2.40—Handiwork Lesson. 2.55—For Women. 3.25—Records. 3.40—Bible Reading. 4.25—Handicrafts Lesson for Young People. 4.55—Records. 5.25—Mme. Oortman-Have (Contralto) and Mlle. J. v. Dijk (Pfte.). 6.25—Talk. 6.40—Announcements. 6.45—Report; Press Review. 7.40—News; Records. 7.55—N.C.R.V. Orchestra. Conductor: v.d. Hurk. 8.30—Talk. 9.0—"Ars et Labor"—Mandoline Band. Conductor: Mme. de Wal-Tapking.



A Scene from "Love on the Dole," which Stockholm broadcasts at 6.30 p.m.

the interval at 10.5: News 11.30 (approx.)—Records. 12.0 m't—News.

BERLIN (Germany) 841 kc/s (356.7 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—Report from a Factory. 11.30—Orchestra from Munich. 1.0 p.m.—News. 1.15—Busch Band; Accordion Duets. 2.0—Markets. 3.0—"Songs of Work." Conductor: Lamy. 3.30—Play (Rose), Music by Hahn. 4.0—String Quartet in E flat (Kalincinski) by the Bruinjar Quartet. 4.30—Reminiscences of Maikowski. 5.0—See Königsberg. 6.45—Evening Echoes. 7.0—News. 7.10—Report: The Riding and Driving Tournament. 7.40—Marches by a Military Band. 9.0—News; Sports. 9.20—Talk: The Riding and Driving Tournament. 9.30-11.0—Station Orchestra. Conductor: Hüsgen. von Szpanowski (Violin). Schulz (Flute). Es klingt der Wald (Pachernegg). Capriccioso (Ries). Im Walde (Raff). Präludium and Scherzo (Heuer). Kunterbunt (Dressel). Toujours ou jamais (Waldteufel). March (Rossow).

BEROMÜNSTER (Switzerland) 556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.). 5.30 a.m.—Gym. 9.20-9.50—For Schools. 11.0—Italian Music. Conductor: Hofmann. 11.29—News. 11.40—Ballet Music (Delibes). Conductor: Hofmann. 12.10 p.m.—Waltzes. 12.25—Exchange; For Housewives. 3.0—Records; Light Music and Dance Music. 3.30-5.0—See Sottens. 5.0—Records: Songs and Swiss Folk Music. 5.40—Talk. 6.0—Traffic Report. 6.5—League of Nations Report. 6.25—"The Swiss Confederation"—Songs and Poems. 7.5—Orchestra. Conductor: Bernhard. 7.40—Talk. 8.0—News. 8.10-9.15—Orchestra. Conductor: Bernhard. Grande (Pfte.).

BRATISLAVA (Czechoslovakia) 1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 5.15 a.m. 4.40 p.m.—Hungarian Transmission: For Women; Klara Reisz (Pfte.). Caprice in B minor (Dohnányi). Improptu (Poldini); Industrial Review. 5.25—For Workers. 5.35—Records. 5.45—See Prague. 6.30—Light Music—Paur Schrammel Ensemble. 6.50—Station Orchestra. Conductor:

ductor: Prade. Cast: Weikenmeier, Herma Kaltner, Ly Betzow, Carla Spletter and Jagielski. 8.30—See Stuttgart. 9.0—News. 9.20—Foreign Affairs. 9.40-11.0—Light Music from Berlin

BRNO (Czechoslovakia) 922 kc/s (325.4 m.); 32 kW. Transmits at intervals from 5.15 a.m. 7.25 p.m.—Prokop Divis Memorial Programme. "Prokop Divis and Frederick the Great"—Play (Humbberger). "Death of Divis"—Play (Pernica). 8.0-10.0—See Prague.

BRUSSELS (No. 1) (Belgium) 620 kc/s (483.9 m.); 15 kW. 6.37-9.0 a.m.—Records; News; Gym. 12.0 noon—Orchestra. Conductor: Dejoncker. Ferari (Violin), Gilman (Flute), Durand (Songs). 1.0 p.m.—News. 1.10-2.0—Records. 4.55—News. 5.0—Ravel Records. 5.45—For Children. 6.15—Talk. 6.30—Ballet Music. Conductor: Dejoncker. 7.0—For Workers. 7.15—Records. 7.30—Art Notes. 8.0—Radio Orchestra. Conductor: Gason. Misson (Violin). Overture, "Poet and Peasant" (Suppe). Zingara (Bosmans). Sur le lac (Gossiaux). Suite, "Conte d'avril" (Widor). Indian Love Lyrics (Woodford-Finden). German Dances (Schubert). 9.0—Talk: Peasants. 9.15—Orchestra (contd.). Suite provençale (Brusselmans). Good News (de Sylva-Brown). Foxtrot (Grillert-Faulk). Adoration (La Gye). Hunting Scene (Fauchey). Old Songs (Delisle). Melody in F (Rubinstein). Fanfares (Fucik). 10.0—News. 10.10-11.0—Request Records.

BRUSSELS (No. 2) (Belgium) 932 kc/s (321.9 m.); 15 kW. Programme in Flemish. Gym; News. 12.0 noon—Records. 1.0 p.m.—News. 1.10—Orchestra. 2.0-2.3—Shipping. 4.55—News. 5.0—Beethoven and Chopin Recital. Anna de Maeyer (Pfte.). 5.30—For Children. 6.15—Lova Trio. 6.45—Talk: Philosophy and the People. 7.0—Light Music—Silver Moon Band. 7.30—Tourist Report. 8.0—Symphony Orchestra. Conductor: André. Van Beveren (Songs). The Farewell Symphony (Haydn). Songs. Don Quixote (Strauss). Rhapsody, Chroniques breves de la vie bourgeoise (D'Hoedt). Songs. Suite, Hary

—Erno Kowach reads: Modern Hungarian Authors. 6.30—"A Masked Ball"—Opera (Verdi) from the Royal Hungarian Opera. In the interval: Review of Foreign Affairs. 9.30—News. 9.45—Records. 10.10—Pertis Cigány Band. 11.5—News.

BUDAPEST (No. 2) (Hungary) 359.5 kc/s (834.5 m.); 20 kW. 4.0 p.m.—Mándits Jazz Band. Conductor: Sinclair. Pál Kálmár (Refrains). 5.30—English Lesson. 6.30—Talk: Geneva. 7.0—Records. 8.5—News.

COLOGNE (Germany) 658 kc/s (455.9 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Munich. 1.0 p.m.—News. 1.15-2.0—Variety from Deutschlandsender. 2.45—Exchange. 3.0—Beethoven, Haydn, Schubert and Brahms Music and Modern Poetry. Hülser (Pfte.); Prisca Quartet. 4.55—Markets. 5.0—See Königsberg. 6.45—Snapshots. 7.0—News. 7.10—Station Orchestra. Conductor: Weisbach. Rudi Rhein (Violin). Leonora Overture No. 3 (Beethoven). Violin Concerto in D (Mozart). Symphony in D minor (Bruckner). 9.0—News 9.20-11.0—See Berlin.

DEUTSCHLANDSENDER (Germany) 491 kc/s (1,571 m.); 60 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Breslau. 12.45 p.m.—News. 1.0—Variety. 2.0—Exchange; Announcements. 2.15—Excerpts from Letters (Hellberg). 2.45—Reading. 3.0—Green Week Variety from the Exhibition Hall. Kernbach and Steinbock Bands, with Mirzi Dreher (Yodeller). 5.0—Quintet (Klughardt). 5.30—Talk: Houston Stewart Chamberlain and the New Reich. 5.50—Sports. 6.0—Strub Quartet. String Quartet (Dittersdorf). Nachgelassener Quartettsatz (Schubert). String Quartet (Haydn). 6.45—Topical. 7.0—Motto; News. 7.10—Heroische Suite (Windt), the Composer conducting. 7.30—"The Reich"—Historical Pageant (Möller), on Records. 9.0—News; Sports. 9.20—Foreign Affairs. 10.10-11.0—Orchestra from Königsberg.

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

REGIONAL For Time Signals, see Monday

Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

the interval at 10.5: News 11.30 (approx.)—Records. 12.0 m't—News.

9.20—N.C.R.V. Orchestra. Conductor: v.d. Hurk. Zwart (Organ). 10.0—News. 10.15-11.10—Records.

KALUNDBORG (Denmark)
238 kc/s (1,261 m.); 60 kW. Relayed by Copenhagen, 1,176 kc/s (255.1 m.).

Transmits at intervals from 6.0 a.m. 11.0 a.m.—1.0 p.m.—Andersen String Ensemble. 2.0—Warry Orchestra. 3.35—For Boys. 4.35—Exchange; Markets. 4.45—Poem. 4.50—Talk. 5.20—English Lesson. 5.54—Announcements. 6.0—News. 6.15—Talk: The History of Thing Places. 6.45—Talk: Insects and Disease. 7.10—Fourteenth Thursday Concert from the State Broadcasting Building. Radio Symphony Orchestra. Conductor: Busch. Symphony in C—the Swastika (Glass). Ten Minutes Interval. Symphonic Variations (Dvořák). Carnival Overture (Dvořák). 9.15—News; Report: The Six Days' Race. 9.30—Eiberg Dance Band. 10.30—11.30—New and Old Dance Music.

KÖNIGSBERG (Heilsberg) (Germany)

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

Transmits at intervals from 5.3 a.m. 11.0 a.m.—See Munich. 1.0 p.m.—News. 1.15—Books. 1.35—Orchestra from Berlin. 2.0—Markets. 2.10—For Children. 2.35—Careers—Sketch. 3.0—Announcements. 3.10—Kirchberg (Cello). 3.30—Band. 4.30—Talk: German Aircraft. 4.50—Markets. 5.0—Station Orchestra and Börschel Band. 6.45—Topical. 7.0—News. 7.10—See Breslau. 8.45—Excerpts, Dr. Goebbels' Diary. 9.0—News. 9.20—Foreign Affairs. 10.30—11.0—Station Orchestra.

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 Munich. 1.0 p.m.—News; Exchange. 1.15—Variety from Deutschlandssender. 2.0—Anniversaries. 2.5—Art Notes. 2.50—Exchange. 3.0—See Deutschlandssender. 3.30—Grieg Recital by Annemarie Claus-Schöbel (Contra) and Hofmann (Harmonium). Norwegian Lied. Der Bauer. Dreinst. Gedanke mein Einsamer Wanderer. In der Heimat. Letzter Frühling. Death of Ase. Abend im Hochgebirge. Ein Schwan. Im Balladenton. Solveig's Song. Matrosenlied. Die Prinzessin. Vaterländisches Lied. 4.0—Exchange. 4.10—Talk: Winter the Artist. 4.30—January 30th—Literature and Music (arr. Heyden) on Records. 5.0—See Königsberg. 6.45—Review. 7.0—News. 7.10—See Breslau. 8.30—"In a Benneckenstein Spinning Room"—Description (Records). 9.0—News; Sports. 9.20—Paul Fleming's Persian Journey—Sequence (Görner). 10.10-11.0—Orchestra from Berlin.

LILLE (Radio PTT Nord) (France)

1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.50 a.m. 8.0 p.m.—Light Music. 8.15—Review.

8.30—Old French Popular Songs by Arlette Rucart, Roberville, Géo Bakker, Daudelin and the Station Orchestra. Conductor: Soret. 10.30—News. **MADRID (EAJ7) (Spain)**
1,095 kc/s (274 m.); 10 kW. Transmits at intervals from 8.0 a.m. 9.0 p.m.—Talk: The Theatre. 9.15—Dance Music. 10.0—Chimes. 10.5—News. 10.20 (approx.)—Opera Relay from the Teatro Calderón. 11.15—Dance Music. 11.45—News. 12.0 m't—Chimes. **MONTE CENERI (Switzerland)**
1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 11.0 a.m. 6.0 p.m.—Bizet Records. 6.15—Talk for Alpinists. 6.30—Records. 6.45—News. 7.0—Classical Concert. Radio Orchestra. Conductor: Casella. Emil Frey (Pfte.). Concerto in E flat (Mozart). Symphony No. 1 in C minor (Saint-Saëns). 8.15—"Nicolino e Nicoletta"—One-Act Play (Tiranti). 8.40—Ester Semisch (Songs).

MOSCOW (No. 1) (Russia)

174 kc/s (1,724 m.); 500 kW. Transmits at intervals from 2.40 a.m.

5.15 p.m.—Scandinavian Poetry. 5.45—Concert. 7.15—Concert. 8.0—Transport Workers' Concert (German and French Commentaries). 10.0—Spanish Talk: Winter Theatre and Cinema Programms. 10.30—Portuguese Talk: The 1936 Budget.

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

Transmits at intervals from 5.0 a.m. 11.0 a.m.—Station Orchestra. Conductor: List. Horn (Cello). 12.0 noon—News. 12.15 p.m.—Station Orchestra. Conductor: Kloss. 1.20—News. 2.40—Reading. 3.0—For Farmers. 3.20—For Women. 3.40—Talk by Kurt Obodda: My Journey to Leningrad. 4.0—Munich Composers—Pflanner, Courvoisier and Biébi Music. 4.40—Discussion: Man and the Machine. 5.0 (from Nürnberg)—Orchestra. Conductor: Schwarz. Martina Farrar (Entertainer), Fassler (Tenor). 6.45—Topical. 7.0—News. 7.10—"Marches sung and played"—Military Bands and Soloists. 8.30—See Stuttgart. 9.0—News; Sports. 9.20—Foreign Affairs. 9.40—To be announced. 10.0-11.0—Orchestra. Conductor: Rammelt. Käte Langé-Schubert (Soprano) Suite. Die getreue Alceste (Schürmann-Schmidt). Songs to Text by Rilke (Schwicker). Excerpts, Serenade in F (Berger). Kleine Sinfonie (Dickow).

OSLO (Norway)

260 kc/s (1,153.8 m.); 60 kW. Relayed by Fredrikstad, 776 kc/s (386.6 m.); Hamar, 519 kc/s (578 m.); Notodden, 1,357 kc/s (221.1 m.); Porsgrund, 850 kc/s (352.9 m.); Rjukan, 1,348 kc/s (222.6 m.); and Trøndelag, 629 kc/s (476.9 m.).

Transmits at intervals from 10.30 a.m. 4.0 p.m.—Light Music. 5.0—Religious Address. 5.30—Ellif Gunström (Viola). 5.55—News. 6.30—Talk. 7.0—"L'enfant prodigue" (Debussy). "Harmony" Music Society. Conductor: Heide. Soloists: Henriette Heide, Buntz and Norr. 8.15—Literary Talk. 8.30—To be announced. 8.40—News. 9.0—Topical. 9.15-9.45—Records; Cabaret.

PARIS (Eiffel Tower) (France)

1,456 kc/s (206 m.); 20 kW. Transmits at intervals from 8.0 a.m. 5.30 p.m.—Lecture by Prof. Houricq from the Sorbonne: The History of Art—Rome, Florence, Venice. 6.30—Records. 6.45—Theatre Review. 7.0—News. 7.45—Records. 8.0—Home Affairs. 8.30—Sacha Guitry Programme. 9.0—Records.

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.—Folk Music. 12.15—Film for Children. 12.25—An Interview. 12.35—Concert. 1.19—For Children. 1.40—Records. 2.0, 3.15, 3.45, 4.35 and 6.15—Exchange. 6.20—Talk. 6.27—For Children. 7.7—Sports Talk. 7.10—News. 7.25—Amusement Guide. 7.28—Light Music. 7.45—Wiener and Doucet (Pftes.). 8.15—Songs. 8.45-12.0 m't—"Faites ça pour moi"—Opérette (Gabaroché), from the Théâtre Antoine. The Composer and Eliane de Creus. In the interval, Talk by Paul Reboux.

PARIS (PTT) (France)

695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.50 a.m. 6.0 p.m.—Germaine Huber and Jeanne Andral (Songs) and Jeanne Jaspas (Pfte.). 6.30—News; Review. 7.25—Sport. 7.38—Love Songs of the Xth to XVIIIth Centuries by Alice Raveau (Songs) and Ginette Guillaumat (Pfte.). Songs (arr. Michiels-Bourgault-Ducoudray): (a) Les compagnons du Veau de Vire, (b) Le chapelet, (c) La petite robe, (d) Dimanche à l'aube. Pfte. Solos (Byrd): (a) Le sifflet du charretier, (b) Les cloches, (c) Courante. Songs (arr. Michiels): (a) O mon Dieu la triste nouvelle, (b) Robin et Marion, (c) Les chevaliers de la Croix Blanche. 8.0—Fashions. 8.15—For Young People. 8.25—Aviation Notes. 8.30—"Two-Act Comic Operas": (a) "Les deux avarés" (Grétry). (b) "Les voitures versées" (Boieldieu). Conductor: Rosenthal. Cast: Suzanne Hédoine, Jane Gataineau, Jeanne Montagne, Mlle. Storra, Marie Cottavoz, Rousseau, Tubiana, Cathelat, Courlet, Talba. In the intervals: Divertissement (Grétry) and Talk. 10.30—News.

PARIS (Radio-Paris) (France)

182 kc/s (1,648 m.); 80 kW. 6.45 a.m.—Gym. 7.0—Records. 7.15—News. 7.45—Gym. 8.0—German Lesson. 8.20—Dance Records. 8.30—For Women. 9.30—Organ. 10.0—Lecture from the Faculté des Lettres: National Ideology during the Napoleonic Wars. 11.0—Station Orchestra. Conductor: Ellis. 11.20—Markets. 11.30—For Farmers. 11.45—Protestant Address. 12.15 p.m.—Orchestra (contd.). In the interval at 12.45 p.m.: News. Review. 2.0—Lecture by Fernand Brunot, relayed from the Sorbonne: The History of the French Language. 3.0—Records for Children. 3.30—Talk: The Pantheon. 3.45—Talk: Nature in the Works of Great Writers. 4.0—Orchestra from Lille. 5.0—"Les Fourberies de Scapin"—Play (Molière). 6.45—Medical Talk. 7.0—For Children. 7.28—Markets. 7.30—Talk: The 1937 Exhibition. 7.40—Reading (Farrère). 8.0—Poems and Songs. Part I: Poems (Duhamel) by Mme. Milhaud. Part II: Marthe Angelici (Songs). Berceuse (Clerque). Chants de Cymos (Tomasi). Part III: Poems (Spire) by Mme. Milhaud. 8.30—News. 8.45—Acts I and II, "Boris Godunov"—Opera (Mussorgsky). National Orchestra and Rousgel Choir. Conductor: Inghelbrecht. Cast: Etcheverry, Morturier, Talba, Hazart, Planel, Prigent, Conrad, Mmes. Turbá-Rabier, Corney and Lecocqueur. 10.45—Dance Music by the Andolfi Orchestra. 11.15-12.15 a.m. (Friday)—Light Music.

PRAGUE (Czechoslovakia)

638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.15 a.m. 3.0 p.m.—Exchange; Weather. 3.10—Muzik Quartet. 4.5—Sports. 4.15—Creole Love Songs (Friedenthal). Slavická, Vavřová, Bruder-Rujan, and Votava (Songs). Prague Mandoline Quartet and Křebá (Pfte.). 4.35—For Farmers. 4.45—German Transmission: Play for Young People (Berndt); For Farmers. 5.45—News in German. 5.55—Record. 6.0—News. 6.10—Records. 6.15—English Lesson. 6.30—Silesian Folk Songs. 6.45—Talk. 6.50—See Bratislava. 7.25—Report from Prague Municipal Library. 8.0—"Mr. Broucek's Excursion to the Moon"—Opera (Janáček). Station Orchestra, Choir, and Soloists. Conductor: Jeremias. 9.0—News; Sports. 9.15-10.0—Blahnik Jazz Band, Kovár (Refrains).

RADIO-NORMANDIE (France)

1,113 kc/s (269.5 m.); 15 kW. 7.0 a.m.—Records. 7.20—News. 7.48—Racing. 7.53—For Housewives. 8.0—Records. In the interval at 8.15: Time. 8.30—Light Music. 8.45—Records. 9.0—Time; Hawaiian Guitar. 9.15—Light Music. 9.30—Concert. 10.0—Orchestra. 11.0—Extracts from Films. 12.0 noon—Military Music. 12.45 p.m.—News. 1.5—For Children. 3.30—Military Music. 3.45—Records. 4.0—Tea-Time Hour. 4.45—Children's Corner. 5.0—Time; Light Music. 5.30—Orchestra. 6.0—Opera Music. Excerpts, "Faust" (Gounod). "La Bohème" (Puccini). "Don Quixote" (Massenet). "Aida" (Verdi) and "William Tell" (Rossini). 6.45—News. 7.0—Popular Concert. 7.30—Song Records. 7.45—Interview. 7.48—News. 8.5—Light Music. 8.20—Astrology Talk. 8.30—"Les Saltimbanques"—Opérette in Three Acts (Ganne). 11.0—Dance Music. 11.30—News. 11.40—Variety. 12.0 m't-2.0 a.m. (Friday)—Dance Music. In the interval at 12.30: Time.

RADIO-ROMANIA (Brasov) (Romania)

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

ROME (Italy)

713 kc/s (420.8 m.); 50 kW. Relayed by Naples, 1,104 kc/s (271.7 m.); Bari (No. 1), 1,059 kc/s (283.3 m.); Bari (No. 2), Milan (No. 2), and Turin (No. 2), 1,357 kc/s (221.1 m.). Transmits at intervals from 6.45 a.m. 4.15 p.m.—Ornella Puliti-Santoliquido (Pfte.). Maria Malpassuti (Soprano). Carlo Platania (Baritone). 5.0—For Farmers; Markets. 5.10—Talk. 5.50—Dopolavoro Notes; Report of the Royal Geographical Society. 6.0—Announcements; Tourist Talk (Spanish). 6.20—News (English). 6.44—News (French). 7.5—Announcements; Talk. 7.15—News.

7.35—"La filosofia di Ruth"—One-Act Play (Gotta-Mortari). 8.0 (approx.)—Jole Baccara (Violin) and Jolanda Magnoni (Soprano). Violin Sonata No. 4 (Handel). Songs: (a) E' l'aprill che torna a me (Giordano). (b) Aria, "Don Carlos" (Verdi). (c) Aria, "Meistofele" (Boito). Violin and Pfte.: Il canto della lontananza (Malipiero). Violin and Pfte.: Spanish Setenade (Carnevali-Corti). 9.0—Talk. 9.10—Dance Music. 10.0—News.

SOTTENS (Switzerland)

677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.). 11.30 a.m.—News. 11.40—See Beromünster. 12.10 p.m.—Events. 12.13-1.0—Records. 3.30 (from Geneva)—Quartet (Fauré). 3.55—Hélène Teyssiere (Viola d'amore) and Charles Koller (Harpisichord). Sonata (Rust). Piece for Harpischord. The Hunt (Stamitz). 4.15—Engel Dance Band. 5.0—Records. 5.25—For Women. 5.50—Cello and Pfte. Records. 6.10—Talk: Eurythmics. 6.30—English and Viennese Waltzes. 6.40—For Farmers. 7.0—Radio Suisse romande Orchestra. Conductor: Haug. Nicolas Biro (Viola). Overture, "Der Freischütz" (Weber). Symphony in D (Beethoven). Viola Concerto (Muller). Variations on a Swiss Theme (Jaques-Dalcroze). In the interval: Poems. 8.25—News. 8.35—Songs by René Bersin and Company. 9.30-9.50 (from Geneva)—League of Nations Report.

STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW. Relayed by Motala, 216 kc/s (1,389 m.); Göteborg, 941 kc/s (318.8 m.); Hörby, 1,131 kc/s (265.3 m.); and Boden, 392 kc/s (765 m.). Transmits at intervals from 6.20 a.m. 4.5 p.m. (from Göteborg)—Service. 4.30—For Children. 4.45—Records. 5.45—English Lesson. 6.15—News. 6.30 (from Göteborg)—"Love on the Dole"—Play (Ronald Gow, Walter Greenwood). 8.0—Lili Krauss (Pfte.) and Simon Goldberg (Violin). Sonata in B flat (Mozart). Sonata (Debussy). 8.45—News. 9.0-10.0—Elite Orchestra. Rakoczy Overture (Kéler-Bela). Skaters' Waltz (Waldteufel). Serenade (Dukstulsky). Selection, "The Wizard of the Nile" (Herbert). Two Swedish Dances (Aulin). Russian Melody (Weninger). Potpourri (Geiger).

STRASBOURG (France)

859 kc/s (349.2 m.); 120 kW. Transmits at intervals from 6.45 a.m. 6.15 p.m.—Chamber Music. Botton (Clarinet), Briancon (Oboe). Clarinet Concerto (Mozart). String Quartet No. 7 (Beethoven). Oboe: Fantaisie pastorale (Pierné). 7.0—Light Music. March of the Storks (Dreyer). Waltz, Bells of Vienna (Debruck). Selection, "La belle Hélène" (Offenbach). The China Doll (Lincke). 7.30—News. 7.45—News (German). 8.0—Press Review (German). 8.10—Records. 8.30—See Paris (PTT).

STUTTGART (Germany)

574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—1.0 p.m.—See Munich. 1.0-2.0—See Deutschlandssender. 2.30—Discussion: Schools for Mothers. 3.0—See Deutschlandssender. 4.45—Topical. 5.0—See Königsberg. 6.45—Announcements. 7.0—News. 7.10—See Breslau. 8.30—"Heldische Feier"—Epic Poem (Gerhard Schumann), Music by Philipp. Station Orchestra. Conductor: Görlich; Reciters and Speaking Choir. 9.0—News; Sports. 9.20-11.0—See Berlin. 11.0-1.0 a.m. (Friday)—Concert on Records. Part I. Station Orchestra. Conductor: Schulz-Dornburg. Zimolung (Horn). Horn Concerto in E flat (Strauss). Symphony in C (Bizet). Part II. Station Orchestra and Ladies' Choir, and Soloists. Conductor: Schulz-Dornburg. Trios (Koch): (a) Gute Nacht, (b) Der Weiber, (c) Ein geistlich Abendlied. Sonatina in G (Dvořák). Musik nach Weisen der Minnesänger (v. Klenau).

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.15 a.m. 6.0 p.m.—Exchange. 6.5—Ensemble: The Canary (Poliakin). 6.10—For Children. 6.45—News. 6.50—

THURSDAY (January 30)

"Ganfron marie sa fille"—Guignol. 7.0—Salon Orchestra. Vivat sport (Avignon). The Wedding of the Winds (Hall). Toujours ou jamais (Waldteufel). 7.25—Xylophone. 7.30—News. 7.45—Religious Notes. 7.55—Opérette Songs. 8.15—Soloists. 8.30—Light Music. 8.50—"Werther"—Opera (Massenet). 10.5—English Dance Music. 10.35—News. 10.50—"Werther" (contd.). 11.45—Orchestra. 12.0 m't—"Au caveau de minuit"—Light Music. 12.15 a.m. (Friday)—News. 12.20-12.30—Marches.

TURIN (No. 1) (Italy)

1,140 kc/s (263.2 m.); 7 kW. Relayed by Milan (No. 1), 814 kc/s (368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,222 kc/s (245.5 m.); Florence, 610 kc/s (491.8 m.); and Bolzano, 536 kc/s (559.7 m.). 6.45 a.m.—Gym. 7.0-7.20—News; Markets. 10.30—Rinascente Orchestra. Conductor: Percuoco. 11.15—Records. 11.45—News. 12.0 noon—Light Music. 12.10 p.m.—Malatesta Chamber Orchestra. 12.50—News. 1.0—Tourist Talk; Exchange. 3.20—Relay from Asmara. 3.35—For Children. 4.0—News. 4.15—Rosa Bernardo (Soprano) and Ugo Cantelmo (Tenor). 4.55—Weather; Snow Report; For Farmers; Markets. 5.10—Talk. 5.50—Dopolavoro Notes; Report of the Royal Geographical Society. 6.0—News in Foreign Languages. 7.5—Announcements; Aviation Review. 7.15—News. 7.35—Light Music. 8.0—"Lucia di Lammermoor"—Opera (Donizetti), relayed from the Scala, Milan. Conductor: Antonicelli. Carlo Tagliabue as Lord Henry, Toti dal Monte as Lucy, Tito Schipa as Sir Edgard and Duilio Baronti as Raymond. In the interval: Talk, and at 10.0 News. After the Programme: News (Spanish).

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Relayed by Graz, 886 kc/s (338.6 m.); Innsbruck, 519 kc/s (578 m.); Dornbirn, Klagenfurt, Linz, 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. 4.25 p.m.—Beate Grenelli (Soprano), Kurz (Tenor). 4.55—A Trip to Bagdad. 5.20—Announcements. 5.25—Winter Sports First Aid. 5.40—Theatre Review. 5.50—Science Notes. 6.20—News. 6.10—Snow Report. 6.20—"Old Dance Music"—Radio Section of the Vienna Symphony Orchestra. Conductor: Schönherr. Commentary by Felix von Dombrowsky. 7.45—Topical. 8.0—"Fresh Flowers every Morning"—Play (Herrmann). 9.0—News. 9.15—Act III, "Der güttige Antonius"—Opérette (Benesch), from the Volkoper. 10.10—Announcements. 10.25-12.0 m't—Keyda Dance Band. Nagel (Refrains).

WARSAW (Poland)

224 kc/s (1,339 m.); 120 kW. Relayed by Cracow, 1,022 kc/s (293.5 m.); Katowice, 758 kc/s (395.8 m.); Łódź, 1,339 kc/s (224 m.); Łwów, 795 kc/s (377.4 m.); Poznań, 868 kc/s (345.6 m.); Torun, 986 kc/s (304.3 m.); and Wilno, 536 kc/s (559.7 m.). Transmits at intervals from 5.30 a.m. 11.0 a.m.—Fanfare, News. 11.15—For Schools. 12.0 noon—Records: Sonata in B flat (Mozart) by Erika Morini (Violin). 12.25-12.30 p.m.—For Housewives. 2.15—Announcements. 2.20—Exchange. 2.30—Records: Light Music. 3.0—Talk. 3.15—11.0-1.0 a.m. (Friday)—Concert on Records. Part I. Station Orchestra. Conductor: Schulz-Dornburg. Zimolung (Horn). Horn Concerto in E flat (Strauss). Symphony in C (Bizet). Part II. Station Orchestra and Ladies' Choir, and Soloists. Conductor: Schulz-Dornburg. Trios (Koch): (a) Gute Nacht, (b) Der Weiber, (c) Ein geistlich Abendlied. Sonatina in G (Dvořák). Musik nach Weisen der Minnesänger (v. Klenau).

FRIDAY January 31

5 p.m.

ATHLONE, 5.30—For Children.
BERLIN, See Leipzig. **BEROMÜNSTER**, For Children. 5.35—Talk, Announcements. **BRESLAU**, See Leipzig. **BRUSSELS (1)**, Recitations and Records. 5.30—Emile van Herck plays his own Pte. Music. **BRUSSELS (2)**, Records. 5.30—For Children. **BUDAPEST (1)**, Pte., Sports. 5.25—Hungarian Salon Quintet. **BUDAPEST (2)**, 5.10—Quintet. 5.25—Shorthand.
COLOGNE, See Leipzig.
DEUTSCHLANDSENDER, Pte. Sonata (Beethoven). 5.20—Talks.
EIFFEL TOWER, Exchange. 5.10—News. 5.15—Lecture from the Sorbonne.
FRANKFURT, See Leipzig.
HAMBURG, See Leipzig. 5.45—Shipping. **HILVERSUM (1,875 m.)**, For Children. 5.10—Records. 5.25—V.A.R.A. Orchestra. **HILVERSUM (301.5 m.)**, Violins and Pte. 5.10—Recitations, Records.
KALUNDBORG, Talk. 5.20—German Lesson. 5.50—Wireless Notes. **KÖNIGSBERG**, See Leipzig.
LEIPZIG, Orchestra. Flute, Clarinet. **MUNICH**, See Leipzig.
OSLO, To be announced. 5.30—English Lesson. 5.55—News.
PARIS (PTT), Paris Symphony Orchestra. 5.30—Talks. **PRAGUE**, For Workers. 5.10—German Transmission: News, Talks, 5.45—News (German), Records.
RADIO-NORMANDIE, Time, Hungarian Music. 5.15—Records. 5.30—Potpourri. **RADIO-PARIS**, English Lesson, Review. 5.30—Symphony Orchestra. Renée Chemet (Violin). **ROME**, St. Cecilia Royal Academy Concert. Snow Report, Corn Prices. 5.50—Announcements.
SOTTENS, For Children. 5.30—Records, Announcements. **STOCKHOLM**, Records. 5.25—Reading. 5.45—Norwegian Songs. **STUTTGART**, See Leipzig.
TURIN, See Rome. 5.50—Announcements.
WARSAW, Sonatas (Geminiani and Cui). 5.30—Talk, Announcements.

6 p.m.

ATHLONE, For Children. 6.15—Records. 6.45—News.
BERLIN, See Leipzig. 6.45—Evening Echoes. **BEROMÜNSTER**, Announcements. 6.25—Music Lesson. 6.50—Walter Lang Programme. **BRESLAU**, See Leipzig. 6.45—Readings. **BRUSSELS (1)**, Records. 6.15—Talk. 6.30—Trio (Brahms). **BRUSSELS (2)**, For Children. 6.10—Announcements. 6.15—Beethoven Records. 6.25—Moonlight Sonata (Beethoven) by Vergauwen (Pte.). 6.40—Records, Talk. **BUCHAREST**, "The Mastersingers" (Wagner), from the Opera. **BUDAPEST (1)**, Talk. 6.30—Songs.
COLOGNE, See Leipzig. 6.45—Snapshots.
DEUTSCHLANDSENDER, Records: "Die Weltmeisterin" (Snaga). 6.45—See Leipzig. 6.55—For Ex-Servicemen.
EIFFEL TOWER, Lecture (contd.). 6.15—Records. 6.45—Talk.
FRANKFURT, See Leipzig. 6.45—Events. 6.55—Exchange, Announcements.
HAMBURG, Folk Dances. 6.45—See Leipzig. **HILVERSUM (1,875 m.)**, Orchestra (contd.). 6.25—Records. 6.40—Talk. **HILVERSUM (301.5 m.)**, Records. 6.10—For Gardeners. 6.40—Announcements.
KALUNDBORG, News. 6.20—Foreign Affairs. 6.50—Talk on the following Transmission. **KÖNIGSBERG**, See Leipzig. 6.45—Topical.
LEIPZIG, Orchestras (contd.). 6.45—Report on Records.
MONTE CENERI, Orchestra and Talk. 6.45—News. **MOSCOW**, Recitations. **MUNICH**, See Leipzig. 6.45—Sequence.
OSLO, News. 6.45—Review.
PARIS (PTT), Notre Dame—Talk and Organ. 6.30—Topical. **POSTE PARISIEN**, 6.15—Exchange. 6.20—For Farmers. 6.21—Pte., Talk. 6.41—Records and Talk. **PRAGUE**, News. 6.10—FOK Orchestra. 6.45—Talk.
RADIO-NORMANDIE, For Children. 6.45—News. **RADIO-PARIS**, For Women. 6.30—Paris

Symphony Orchestra and Renée Chemet (Violin). **RADIO-ROMANIA**, See Bucharest. **ROME**, News, Talk. 6.20—News (English). 6.45—News (French).
SOTTENS, 6.5—Records. 6.15—Announcements. 6.30—Records. 6.35—Talks. **STOCKHOLM**, Songs (contd.). 6.15—News. 6.30—Marches. **STRASBOURG**, 6.30—Divertissement (Mozart). 6.45—Topical. **STUTTGART**, "Emil Strauss"—Poetry Sequence (arr. Schirp) with Josef Strauss Music. 6.30—Community Singing.
TOULOUSE, Exchange. 6.5—Orchestra, Songs. 6.45—News. 6.50—Tyrolese Music. **TURIN**, News.
VIENNA, News. 6.20—A Visit to Richard Teschner. 6.35—Radio Section of the Vienna Symphony Orchestra, Conductor: Holzner, Rosner (Violin).
WARSAW, Announcements. 6.50—Talk.

PRINCIPAL EVENTS

SYMPHONY CONCERTS

P.M.
 7.55 Vienna: Reger, Beethoven, Melichar.
 8.0 Turin: Conductor, La Rosa Parodi.
 8.10 Hamburg: Carl Nielsen prog.
 9.0 Budapest 1: Haydn, Brahms.
LIGHT CONCERTS
 12.10 Hilversum (1,875 m.): Lajos Orchestra.
 12.15 Radio-Paris: Orchestra, songs.
 1.30 Kalundborg: Hansen Ensemble.
 5.0 Leipzig, etc.: Light music.
 5.30 Radio-Paris: Orchestra, Renée Chemet (violin).
 6.30 Stockholm: Military band.
 7.10 Munich, etc.: Old and modern dances.
 7.30 Monte Ceneri: Request programme.
 7.45 Stockholm: Choral music.
 8.0 Brussels 1: Orchestral and vocal.
 8.15 Athlone: Alphabetical overtures.
 9.0 Poste Parisien: Music Hall.
 9.30 Stuttgart, etc.: Popular orchestral.
 10.15 Budapest 1: Cigány Band.

OPERAS

6.0 Bucharest: "The Mastersingers."
 7.10 Warsaw: "Goplana" (Zeleński).
 7.35 Sottens: "Pelléas and Mélisande" (Debussy), Acts 2, 3.
 8.30 Radio-Paris: "Thais" (Massenet).
 10.25 Brussels 1: "Falstaff" (Verdi) (records).

7 p.m.

ATHLONE, News. 7.15—New Talent. 7.30—New Novels. 7.45—New Talent.
BERLIN, News. 7.10—Dance Band Competition. **BEROMÜNSTER**, Walter Lang Programme. **BRESLAU**, News. 7.10—Winter Relief Request Concert. **BRUSSELS (1)**, Talk. 7.15—Jazz. 7.30—Review. **BRUSSELS (2)**, Schubert-Chopin-Maria Vergauwen (Pte.). 7.15—Records, Wireless Notes. **BUCHAREST**, "The Mastersingers" (contd.). **BUDAPEST (1)**, Songs. 7.10—Two Plays (Szilard).
COLOGNE, News. 7.10—"The German Lansquenets"—Sequence (Feltz), with Music.
DEUTSCHLANDSENDER, News. 7.10—See Munich.
EIFFEL TOWER, News. 7.20—Talks.
FRANKFURT, News. 7.10—See Stuttgart.
HAMBURG, News. 7.10—"A Man in the Net"—Play. **HILVERSUM (1,875 m.)**, Report, Announcements. 7.40—News, Talk. **HILVERSUM (301.5 m.)**, Book Review. 7.40—News. 7.55—Choir, String Quartet, Contralto, Organ.
KALUNDBORG, Acts I and II, "King and Marshal"—Opera (Heise), from the Royal Theatre. **KÖNIGSBERG**, News. 7.10—"Ice"—Ballad (Karrasch). Music by Henning.
LEIPZIG, News. 7.10—Marches.
MONTE CENERI, Review. 7.30—Requests. **MOSCOW**, Recitations. 7.15—Concert. **MUNICH**, News. 7.10—Dance Programme.
OSLO, A Musical Bridge Party (Torjussen). 7.30—Talk. 7.50—Cabaret.

PARIS (PTT), Topical. 7.38—Paris Symphony Orchestra: Verdi and Massenet. **POSTE PARISIEN**, Record, Talks. 7.10—News, Talk. 7.35—Jean Sorbier. 7.50—Records. **PRAGUE**, Hippmann and Malat Songs. 7.25—"The Rejuvenation of Leopold Kohak"—Play with Music.

RADIO-NORMANDIE, Concert. 7.45—Interview, News. **RADIO-PARIS**, Orchestra (contd.). 7.30—Talks. **RADIO-ROMANIA**, See Bucharest. **ROME**, Announcements, Talk. 7.15—News. 7.35—Variety.

SOTTENS, 7.10—Readings. 7.30—Talk. 7.35—"Pelléas et Mélisande" (Debussy). Acts 2 and 3. Conductor: Ansermet. **STOCKHOLM**, Marches. 7.15—Talk. 7.45—Halmstad Choir. **STRASBOURG**, Haydn, Mozart, Beethoven. 7.30—News. **STUTTGART**, News. 7.10—Excerpts, "The Nibelungen"—Tragedy (Hebbel).

TOULOUSE, Orchestra. 7.30—News. 7.45—Talk. 7.50—Opera Music. **TURIN**, 7.5—Announcements, Talk. 7.15—News. 7.35—Records.

VIENNA, Orchestra and Violin (contd.). 7.20—Readings with Talk. 7.55—Reger, Beethoven,

MONTE CENERI, Orchestra, Records. **MOSCOW**, Talk, Questions and Answers (in Czech). **MUNICH**, Dance Programme.

OSLO, Cabaret. 8.20—A Microphone Visit. 8.35—News.

PARIS (PTT), Talk. 8.30—"Esope à la Cour"—Epic Play (de Boursault). **POSTE PARISIEN**, Records. 8.15 Sketch. 8.30—Charles Fallot. 8.50—Talk. **PRAGUE**, Play (contd.).

RADIO-NORMANDIE, Concert (contd.). 8.15—Saxophone. 8.30—Records. 8.45—Viennese Waltzes. **RADIO-PARIS**, Marguerite Girard (Songs). 8.15—News. 8.30—"Thais" (Massenet) from the Opera. **RADIO-ROMANIA**, See Bucharest. **ROME**, Variety. 8.35—Review. 8.45—St. Cecilia Academy Choir. Conductor: Sonma. Sacred Music.

SOTTENS, "Pelléas et Mélisande" (contd.). At 8.15: News. **STOCKHOLM**, Choir (contd.). 8.15—Review. 8.45—News. **STRASBOURG**, News, Talk, Records. 8.30—See Paris (PTT). **STUTTGART**, "The Nibelungen" (contd.). 8.30—See Frankfurt.

TOULOUSE, Opera Music. 8.15—Light Music. **TURIN**, Schubert-Ghedini and Perosi. Orchestra, Choir and Soloists.

CHAMBER MUSIC

4.0 Radio-Paris: Wind quintet.
 6.30 Brussels 1: Trio (Brahms).
 6.30 Strasbourg: Mozart, Haydn, Beethoven.
 7.55 Hilversum (301.5 m.): Quartet, choir, soloists.
 8.30 Eiffel Tower: Saxophone quartet, etc.
 11.0 Frankfurt, Stuttgart: Miscellaneous prog.
RECITALS
 4.20 Warsaw: Old opera airs.
 8.45 Rome: Sacred choral music.
 9.0 Stockholm: Organ, song, 'cello.
 9.15 Oslo: Tchaikovsky prog.

PLAYS

7.10 Stuttgart, Frankfurt: "Die Nibelungen" (Hebbel).
 8.30 Paris (PTT), etc.: "Esope à la Cour" (Boursault).

TALKS

5.15 Eiffel Tower: Sorbonne Lecture.
 6.0 Paris (PTT): A visit to Notre Dame, Vienne (organ).
 9.15 Sottens: The League of Nations.

LAST NEWS BULLETINS

For Schedule see Monday.

DANCE MUSIC

2.50 Hilversum (1,875 m.); 7.10, Berlin Dance Bands Contest; 9.15, Rome; 10.10, Kalundborg, Leipzig, etc.; 10.20, Warsaw; 10.25, Vienna; 11.0, Radio-Normandie.

VIENNA, Reger, Beethoven, Melichar (contd.).
WARSAW, News, Talk. 8.15 (approx.)—"Goplana" (contd.).

9 p.m.

ATHLONE, Ceilidhe from the Town Hall, Dun Laoghaire. 9.30—Variety.

BARCELONA, 9.5—Orchestra. **BERLIN**, News. 9.20—Report. 9.30—See Stuttgart. **BEROMÜNSTER**, Folk music. **BRESLAU**, News. 9.10 (approx.)—Concert (contd.). **BRUSSELS (1)**, Talk. 9.15—Radio Orchestra. José Pierre (Soprano). 9.55—Announcements. **BUCHAREST**, "The Mastersingers" (contd.). **BUDAPEST (1)**, Haydn, Brahms, Opera Orchestra and Mainardi ('Cello).

COLOGNE, News. 9.20—Theatre Review.

DEUTSCHLANDSENDER, News. 9.20—Talk from Washington. 9.30—Trio (Telemann).
EIFFEL TOWER, Quartet, Violin and Songs (contd.).
FRANKFURT, News, Talk. 9.20—See Berlin. 9.30—Sports. 9.45—Orchestra from Stuttgart.

HAMBURG, News. 9.20—Talk from Washington. 9.30—Music. **HILVERSUM (1,875 m.)**, Talk. 9.10—Records. 9.55—Music Talk. **HILVERSUM (301.5 m.)**, Choir, String Quartet, Contralto and Organ. 9.25—News. 9.30—Records.

KALUNDBORG, Relay from the Ziguenerhallen. **KÖNIGSBERG**, News. 9.20—Review. 9.35—Orchestra from Stuttgart.

LEIPZIG, 9.5—News. 9.25—Soprano, Guitar and Violin.

MADRID (EAJ7), News. 9.15—Guitar: Asturian Songs. **MONTE CENERI**, Records. **MOSCOW**, 9.5—English Programme:

"Mother"—Play (Gorky), produced by Herbert Marshall. **MUNICH**, News. 9.20—To be announced. 9.30—"Hölderlin and Diotima"—Sequence (Juergensohn). **OSLO**, Talk. 9.15—Tchaikovsky Concert. Andersen (Violin), Knutsen (Songs), Hendriksen (Pte.).

PARIS (PTT), "Esope à la Cour" (contd.). **POSTE PARISIEN**, Music Hall. **PRAGUE**, News. 9.20—Records. 9.45—News in Russian.

RADIO-NORMANDIE, "Ma Mische"—Play (Montvoisin). **RADIO-PARIS**, "Thais" (contd.). **RADIO-ROMANIA**, See Bucharest. **ROME**, Choir (contd.). 9.15—Dance Music.

SOTTENS, "Pelléas et Mélisande" (contd.). 9.15—League of Nations' Report. **STOCKHOLM**, Lundin (Songs), Olsson (Organ), and Norrby ('Cello). **STRASBOURG**, See Paris (PTT). **STUTTGART**, News. 9.20—Talk from Washington. 9.30—Orchestra.

TOULOUSE, Fantasy. 9.35—Saint-Paul (Accordion), and Orchestra. **TURIN**, Schubert-Ghedini and Perosi (contd.). In the interval: Reading.

VIENNA, News. 9.10—Records. **WARSAW**, Letter-box. 9.15 (approx.)—"Goplana" (contd.).

10 p.m.

ATHLONE, Variety. 10.30—What happened to-day; Light Music. **BARCELONA**, 10.5—News. 10.20—Toldrà Sextet. **BERLIN**, See Stuttgart. **BRESLAU**, Concert (contd.). **BRUSSELS (1)**, News. 10.10—Records. 10.25—Records: "Falstaff" (Verdi). **BRUSSELS (2)**, News. 10.10—Records. **BUDAPEST (1)**, Haydn, Brahms (contd.). 10.15—Czobba Cigány Band.

COLOGNE, See Stuttgart. **DEUTSCHLANDSENDER**, See Leipzig.

FRANKFURT, See Stuttgart. **HAMBURG**, See Stuttgart. **HILVERSUM (1,875 m.)**, Talk (contd.). 10.25—Announcements. 10.40—Records. **HILVERSUM (301.5 m.)**, Records.

KALUNDBORG, Report: Six Days' Race. 10.10—Tuxen Dance Band and the Cornelius Pte. Ensemble. **KÖNIGSBERG**, See Stuttgart.

LEIPZIG, 10.10—EmDe Dance Band. **MADRID (EAJ7)**, Chimes. 10.5—News. 10.20—Sextet. **MOSCOW**, German Talk, Sports. **MUNICH**, Sequence (contd.). 10.30—Orchestra from Stuttgart.

OSLO, Tchaikovsky Concert (contd.). **PARIS (PTT)**, "Esope à la Cour" (contd.). 10.30—News. **POSTE PARISIEN**, Music-Hall. 10.30—Records.

RADIO-NORMANDIE, Play (contd.). **RADIO-PARIS**, "Thais" (contd.). 10.45 (approx.)—Records. **ROME**, News: Dance Music.

STRASBOURG, See Paris (PTT). 10.45—See Radio-Paris. **STUTTGART**, Orchestra (contd.).

TOULOUSE, Light Music. 10.35—News. 10.50—Film Music. **TURIN**, News.

VIENNA, Letter-box. 10.10—Announcements. 10.25—Dance Music. **WARSAW**, "Goplana" (contd.). 10.20—Dance Records.

11 p.m.

ATHLONE, Anthem. **BARCELONA**, Sextet (contd.). 11.30—Relay from the Gran Price Theatre. **BRUSSELS (1)**, La Brabançonne. **BUDAPEST (1)** 11.5—News.

FRANKFURT, Concert. **HILVERSUM (1,875 m.)**, Records. Report. **HILVERSUM (301.5 m.)**, Records.

KALUNDBORG, Tuxen Dance Band, Pte. Ensemble. **MADRID (EAJ7)**, Music. 11.45—News.

RADIO-NORMANDIE, Dance Music. 11.30—News. 11.40—Variety. **RADIO-PARIS**, Records.

STRASBOURG, See Radio-Paris. **STUTTGART**, See Frankfurt. **TOULOUSE**, Light Music. 11.45—Sketches.

VIENNA, Dance Music.

12 midnight

BARCELONA, News. 12.15 (approx.). Relay (contd.). **FRANKFURT**, Concert (contd.). **RADIO-NORMANDIE**, Dance Music. At 12.30—Time. **RADIO-PARIS**, Records.

STRASBOURG, See Radio-Paris. **STUTTGART**, See Frankfurt. **TOULOUSE**, Light Music. At 12.15—News.

1 a.m. (Saturday)

RADIO-NORMANDIE, Dance Music.

NATIONAL
For Time Signals, see Monday

Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

Hours of Transmission in Greenwich Mean Time.

ATHLONE (Ireland)

565 kc/s (531 m.); 60 kW. Relayed by Dublin, 1,348 kc/s (222.6 m.); and Cork, 1,240 kc/s (241.9 m.).
1.30-2.30 p.m.—Records. 5.30—For Children. 6.15—Records. 6.45—News. 7.0—News in Irish. 7.15—New Talent. 7.30—New Novels reviewed by Frank O'Connor. 7.45—New Talent. 8.0—When we were Boys—Some Great Events of 1910. 8.15—"Alphabetical Overtures." Annie Fagan (Harp). Overtures (Adam, Bizet, Cherubini). 9.0—Ceilidhe from the Town Hall, Dun Laoghaire. 9.30—Variety. 10.30—What happened to-day; Light Music. 11.0—National Anthem.

BARCELONA (EAJI) (Spain)

795 kc/s (377.4 m.); 7.5 kW.
Transmits at intervals from 7.15 a.m. 9.5 p.m.—Light Music—Station Orchestra. 10.5—News. 10.20—Toldrá Sextet. 11.30-12.30 a.m. (Saturday)—Catch as



Madame Renée Chemet, who plays at Radio-Paris at 5.30 p.m.

Catch Can—Relay from the "Gran. Price." In the interval at 12.0 m't. News.

BERLIN (Germany)

841 kc/s (356.7 m.); 100 kW.
Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Frankfurt. 1.0 p.m.—News.
1.15—Hendriks Orchestra. 2.0—Exchange; Markets. 3.0—"In the Mountains"—Play (Goede). 3.30—Topical. 3.45—Health Hints for Athletes. 4.0—Records of Gustav Jürgens. 4.30—Talk: German Culture. 5.0—See Leipzig. 6.45—Evening Echoes. 7.0—News. 7.10—Dance Band Competition. 9.0—News; Sports. 9.20—Report: The Riding and Driving Tournament. 9.30-11.0—See Stuttgart.

BEROMÜNSTER

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

5.30 a.m.—Gym; Weather. 11.0—Records. 11.29—News. 11.40—Records; Exchange. 3.0 p.m.—Records. 3.30—Peter Stüssi (Organ). 4.15—Records. 5.0—For Children. 5.30—Children's News. 5.35—Talk: Technics. 5.40—Announcements. 5.45—Topical Review. 6.0—Announcements. 6.25—Music Lesson: The Orchestra. 6.50—Walter Lang Programme. 8.0—News. 8.10—Folk Music.

BRATISLAVA
(Czechoslovakia)

1,004 kc/s (298.8 m.); 13.5 kW.
Transmits at intervals from 5.15 a.m. 8.15 p.m.—Pfte. Concerto in B minor (Tchaikovsky). Sylvia Macudzinska and Station Orchestra. Conductor: Dyk. 9.0—See Prague. 9.15—News (Hungarian). 9.30—Sports. 9.40-10.0—Records.

BRESLAU (Germany)

950 kc/s (315.8 m.); 100 kW. Relayed by Gleiwitz, 1,231 kc/s (243.7 m.).
Transmits at intervals from 4.0 p.m.

11.0 a.m.—See Cologne. 1.0 p.m.—News; Exchange; Greetings. 1.10—Variety from Deutschlandsender. 2.0—Markets. 2.10—Books. 2.30—Margarethe Schirdewahn (Soprano). 3.0—Eberhard König reads. 3.30 (from Gleiwitz). "Oh, these Youngsters!"—Play (Magiera). 4.0—Literature and Music. 4.30—Topical. 5.0—See Leipzig. 6.45—Readings. 7.0—News.
7.10-11.0—Request Concert for the Winter Relief Fund. Buzslau Municipal Orchestra, a Military Band, Station Orchestra, Choir and Dance Band. Conductor: Krieglér, Carla Spletter (Soprano). Weikenmeier (Tenor). Rothensee (Baritone). In the interval at 9.0: News.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW.
Transmits at intervals from 5.15 a.m. 7.0 p.m.—Névoral Band. 7.25-10.0—See Prague.

BRUSSELS (No. 1) (Belgium)

620 kc/s (483.9 m.); 15 kW.
6.37-9.0 a.m.—Records; News; Gym. 11.30—For Schools. 12.0 noon—Cinema Organ Records. 12.20 p.m.—Recitations. 12.30—Light Belgian Music. Conductor: Walpot. 1.0—News.
1.10—Verdi Music. Conductor: Walpot. 1.30—Myriam d'Orion (Songs). 1.40-2.0—Records. 4.55—News. 5.0—"On the Road"—Recitations by Berthy Braeckman, with Records.
5.30—van Herck plays his own Pfte. Music. Le vieux manoir de Grâce. Valse acrobatique. Selection. "Villa incognito." Pizzicati, Je rêve à mon pays.
6.0—Records. 6.15—Talk: Picture Dealers.
6.30—Trio in C (Brahms). 7.0—Talk: Educational Films.
7.15—Jazz by Mme. Delhaye (Pfte.). Foxtrot (Gérodoy). He has understood (Berty). Hello Girls (Delhaye). I love you for a Day (Delhaye). Passionnément (Gérodoy). 7.30—Colonial Review.
8.0—Radio Orchestra. Conductor: Gason. Toubeau (Songs). Overture, Poet and Peasant (Suppé). Selection. "La Bohème" (Puccini). Songs. Suite brève (Busser). Excerpt. "Callirhoé" (Chaminade). Joyous Youth (Coates). 9.0—Talk: The School Problem.
9.15—Radio Orchestra. Conductor: Gason. José Pierre (Soprano). Selection. "The Three Musketeers" (Friml). Bouton d'or (Pierné). Arias: (a) "Dinorah" (Meyerbeer), (b) "La Bohème" (Puccini), (c) "Mirella" (Gounod). Songs and Dances of Old Vienna (Pachernegg). Fête à Trianon (Popy). Marche (d'Hazet). 10.0—News. 10.10—Records. 10.25—Records: "Falstaff" (Verdi). 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—Radio Orchestra. 1.30—Ballet Records. 2.0—Shipping. 2.2-2.45—For Schools. 4.55—News. 5.0—Records. 5.30—For Children. 6.10—Announcements. 6.15—Records: Overture, Egmont (Beethoven). 6.25—Moonlight Sonata (Beethoven) by Maria Vergauwen (Pfte.). 6.40—Record: Overture, "Der Schauspielerdirektor" (Mozart). 6.45—Talk.
7.0—Maria Vergauwen (Pfte.). Impromptu (Schubert). Waltz in E minor (Chopin).
7.15—Lehár Operetta Records. 7.30—Wireless Notes. 8.0—Record.
8.3—Symphony Orchestra. Conductor: André. Van Sintroyen (Cello). Overture, "La Vestale" (Spontini). "Cello Concerto in D" (Tartini). Overture, "Wiljam Tell" (Rossini). Marche jubilaire (Lebrun). "Cello: (a) Cantilène (De Boeck). (b) Festliedje (Waelput). Movement symphonique (Maes). "Cello: (a) Kinderideal (Keurvels). (b) Andante (Vets). Variations symphoniques (Gilson). In the interval at 8.45—Talk.
10.0—News. 10.10-11.0—Records.

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW. Relayed by Radio-Romania (Brasov) 160 kc/s (1,875 m.).
Transmits at intervals from 10.30 a.m. 6.0 p.m.—"The Mastersingers"—Opera in Three Acts (Wagner), from the Opera.

BUDAPEST (No. 1) (Hungary)

546 kc/s (549.5 m.); 120 kW. 9.20 a.m.—Talks. 11.5—"Rococo Music"—Endre Vocal Ensemble.

11.40—News. 12.0 noon—Orchestra. Conductor: Rubányi. 1.40 p.m.—Markets. 3.10—For Schools. 4.0—Talk: Kosice. 4.30—Lili Baranyi (Pfte.). 5.10—Sports.
5.25—Hungarian Salon Quintet. Sur la mode mineur (Gabriel-Marie). Danse satanique (Doret). Anato-lischer Tanz (Weninger). Tango (Albeniz). Lotus Land (Cyril Scott). Die Biene (Schubert). Du alter Stefansturm (Kreisler). Rigaudon (Rameau). Jewel Song, "Faust" (Gounod). 6.0—Talk: Egypt. 6.30—Erzsi Boddé (Songs). 7.10—Two Plays (Szilárd). 8.0—News. 8.20—Records.
9.0—Opera Orchestra. Conductor: Rajter. Mairardi ("Cello"). "Cello Concerto in D (Haydn). Symphony in F (Brahms).
10.15—Csorba Ciginy Band. 11.5—News.

BUDAPEST (No. 2) (Hungary)

359.5 kc/s (834.5 m.); 20 kW. 5.10 p.m.—Quintet. 5.25—Shorthand Lesson. 6.35—Talk: Thackeray.

COLOGNE (Germany)

658 kc/s (455.9 m.); 100 kW.
Transmits at intervals from 5.0 a.m. 11.0 a.m.—Station Orchestra. Conductor: Eysoldt. In the interval at 12.0 noon—News. 1.0 p.m.—News. 1.15-2.0—Variety from Deutschlandsender. 2.45—Exchange.
3.0—Rhine Wine—Music and Songs. 5.0—See Leipzig. 6.45—Snapshots. 7.0—News. 7.10—"The German Lansquenets"—Sequence (Feitz); Music by Adams.
8.0—Folk Music by a Zither Orchestra the "Bonn Lads," the "Five Folk Musicians" and Soloists. 9.0—News. 9.20—Theatre Review.
10.0-11.0—Concert from Stuttgart.

DEUTSCHLANDSENDER

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

Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Cologne. 12.45 p.m.—News.
1.0—Variety. 2.0—Exchange; Announcements. 2.15—Alsation Songs. 2.40—For Girls.
3.0—Concert for Green Week from the Exhibition Hall. Station Orchestra. Conductor: Dobrindt. Country Band; Jungherr Accordion Band.
5.0—Sonata (Beethoven), by Bork (Pfte.). 5.20—Talk. 5.35—Talk: Labour Service.
6.0—Records: Concert Version, "Die Weltmeisterin"—Operetta (Snaga). Conductor: Lachner. 6.45—See Leipzig. 6.55—for Ex-Servicemen. 7.0—Motto; News. 7.10—See Munich. 9.0—News; Sports. 9.20—Topical Talk from Washington. 9.30—Trio (Telemann), by Thomas (Flute), Schleif (Oboe) and Müntzel (Harpisichord).
10.0-11.0—See Leipzig.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Relayed by Cassel, Coblenz, Freiburg, Kaiserslautern and Trier, 1,195 kc/s (251 m.).
Transmits at intervals from 5.0 a.m. 11.0 a.m.—Hauck Band; Accordion Trio and Soloists. In the interval at 12.0 noon—News. 1.0 p.m.—News. 1.10—Variety from Deutschlandsender. 2.0—Talk: State-Controlled Gas and Electricity; Exchange. 2.15—Review of Periodicals. 2.30—Talk: Rückert. 2.45—Heinrich Rammus reads.
3.0—Concert. Part I: Freiburg Orchestra. Conductor: Döhrmann. Part II: Hirtler (Pfte.). 4.30—Financial Talk. 4.45—Talk: The Eifel.
5.0—See Leipzig. 6.45—Topical. 6.55—Exchange. 7.0—News. 7.10—See Stuttgart.
8.30—Serenade by the Station Orchestra. Conductor: Merten. Serenade in D (Mozart). Serenade for Strings (Tchaikovsky).
9.0—News; Sports. 9.10—Talk by Schäfer: Emil Strauss.
9.20—See Berlin. 9.30—Sports.
9.45—Orchestra from Stuttgart.

11.0-1.0 a.m. (Saturday)—Concert. Part I: Records of the Berlin Philharmonic Wind Instrument Ensemble. Divertimento (Haydn). Adagio (Mozart). Quartet (Rossini). Part II: Station Choir. Conductor: Belker. Merten (Organ). Four Songs (Dvořák). Ist nicht das Leben ein Orgelspiel? (Hilber). Part III: Records: Cologne String Quartet. String Quartet in E flat (Reger). String Quartet in D (Haydn).

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW. Relayed by Bremen, Flensburg,

FRIDAY (January 31)

Hanover, Magdeburg, and Stettin, 1,330 kc/s (225.6 m.).
Transmits at intervals from 5.0 a.m. 11.0 a.m.—Shipping.
11.10—Niemann Wind Band. 1.0 p.m.—News. 1.20—Music. 2.0—Exchange. 2.40—Shipping. 2.50—Ice Report.
3.0—See Deutschlandsender. 4.15—Discussion: Dogs as Companions. 4.30—To be announced.
5.0—See Leipzig. 5.45—Shipping. 6.0 (from Hanover)—Folk Dances by the Symphony Orchestra. Conductor: von Sosen.
6.45—See Leipzig. 7.0—News. 7.10—"A Man in the Net!"—Play (Schmidt).
8.10—Nielsen Concert. Station Orchestra. Conductor: Seidler. Telmányi (Violin). Overture, "Mascarade." Violin Concerto. 9.0—News. 9.20—Topical Talk from Washington. 9.30—Music. 10.0-11.0—Orchestra from Stuttgart.

HILVERSUM (1,875 m.)

(Holland)
160 kc/s; 10 kW until 2.40 p.m. 100 kW from 2.40 p.m.

7.40-9.40 a.m.—V.A.R.A. Programme: Records. 9.40—V.P.R.O. Religious Programme. 9.55-11.40—A.V.R.O. Programme: Recitations; Records.
11.40-3.40 p.m.—A.V.R.O. Programme. 11.40—Records. 12.10 p.m.—Kovacs Lajos Orchestra. 1.40—Talk with Records. 2.25—Agathe Rengers (Songs); Egbert Veen (Pfte.). 2.56—Dance Music by the A.V.R.O. Decibels.
3.40-7.40—V.A.R.A. Programme. 3.40—Records. 4.40—For Children. 5.10—Records. 5.25—V.A.R.A. Orchestra. Conductor: de Groot. 6.25—Records. 6.40—Talk; Report; Announcements. 7.40-10.40—V.P.R.O. Programme. 7.40—Announcements; Talk.
8.10—Brandts Buys (Harpisichord). 8.40—Talk. 9.10—Records. 9.55—Music Talk. 10.25—Announcements. 10.40-11.40—V.A.R.A. Programme. Records; Report.

HILVERSUM (301.5 m.)

(Holland)
995 kc/s; 15 kW. until 2.40 p.m. 60 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—Ronald Parker (Organ). 11.40—Police Messages; Salvation Army Records. 12.10 p.m.—Van der Horst Ensemble. 1.40—Records. 2.10-2.40—Reading. 2.55—Mlle. Bijster (Soprano) and Mlle. v. Eden (Pfte.). 3.40—Beths and de Graaff (Violins) and Haisema (Pfte.). 5.10—Recitations; Records. 6.10—For Gardeners. 6.40—Announcements. 6.45—Report; Book Review. 7.40—News.
7.55—Bach Choir, String Quartet, Mme. Durigo (Contralto) and Schoonderbeek (Organ). Conductor: v. d. Horst. 9.25—News. 9.30-11.10—Records.

KALUNDBORG (Denmark)

238 kc/s (1,261 m.); 60 kW. Relayed by Copenhagen, 1,176 kc/s (255.1 m.).

Transmits at intervals from 6.0 a.m. 11.0 a.m.—Bendix String Ensemble. 1.0 p.m.—For the Unemployed. 1.30—Hansen Instrumental Ensemble. In the interval at 2.15: Talk: Anna Wulff.
3.30—"Five Weeks in a Balloon"—Play after Jules Verne (Rude). 4.35—Exchange; Markets. 4.50—Talk: Eel-spearling. 5.20—German Lesson. 5.50—Wireless Notes. 6.0—News. 6.20—Foreign Affairs.
6.50—Talk on the following Transmission.
7.0—Acts I and II, "King and Marshal"—Opera (Heise), from the Royal Theatre. 8.30—Reading (Breidahl). 8.45—News. 9.0—Relay from the "Zigeunerhallen."
10.0-11.30—Report from the Forum: Six Days' Race; 10.10—Tuxen Dance Band and Cornelius Pfte. Ensemble.

KÖNIGSBERG (Heilsberg)

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

Transmits at intervals from 5.3 a.m. 11.0 a.m.—See Frankfurt. 1.0 p.m.—News. 1.15—Books. 1.30—Orchestra from Berlin. 2.0—Markets. 2.15—For Children. 2.40—For Women. 3.0—Announcements. 3.10—Literary and Musical Sequence (Hartung)—Börschel Band. 4.10—

REGIONAL
For Time Signals, see Monday

Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

FRIDAY (January 31)

Talk: Emil Strauss. 4.30—For Farmers. 4.50—Markets.
5.0—See Leipzig. 6.45—Topical. 7.0—News.
7.10—"Ice"—Ballad (Karrasch); Music by Henning. Station Orchestra and Soloists.
8.10—Instrumental. Romance (Bruch).
Cello Variations on a Mozart Theme (Beethoven). Rhapsody (Brahms). Pieces for Cello (Boccherini, Schubert, Marcello). Romance (Wieniawski). Hungarian Dances (Brahms).
9.0—News. 9.20—Review of Periodicals.
9.35—11.0—Orchestra from Stuttgart.

LEIPZIG (Germany)

785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.).
Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Frankfurt. 1.0 p.m.—News; Exchange.
1.15—Variety from Deutschlandsender. 2.0—Anniversaries. 2.5—For Women. 2.50—Exchange. 3.0—See Deutschlandsender.
3.30—Ellsabeth Bischoff (Violin), Sammler (Harpischord). Sonata in E (Handel). Chaconne in D minor (Bach). 4.0—Exchange.
4.10—A German Calendar—February. 4.40—Talk: The Reich.
5.0—Light Music, Orchestra, and Soloists. Conductor: Blumer. 6.45—Report (Records): The Winter Relief Fund. 7.0—News.
7.10 (from Dresden)—Band: Army and Navy Marches.
8.0—"On Parole"—Play (Bloem). 9.5—News; Sports.
9.25—Claire Spengler (Soprano), Götze (Guitar), Schrepper (Violin). Minuet and Musette (Bach). Two Songs (Brahms). Minuet (Gluck). Gavotte (Gluck). Two Songs (Brahms). Minuet and German Dance (Mozart). Two Songs (Brahms). Waltz (Schubert). German Dance (Weber). 10.10—EmDe Dance Band.

LILLE (Radio PTT Nord)

(France)
1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.50 a.m. 7.30 p.m.—Records of the Lamoureux Concert Orchestra. Conductor: Wolff. Le chasseur maudit (Frank). Introduction, "Fervaa" (d'Indy). 7.45—Songs. 8.0—Records: Four Sketches. 8.15—Deprince Dance Band and Pierre Daragon (R efraims). 8.30—See Paris (PTT). 10.30—News.

MADRID (EAJ7) (Spain)

1,095 kc/s (274 m.); 10 kW. Transmits at intervals from 8.0 a.m. 9.0 p.m.—News.
9.15—Miguel Angel (Guitar); Asturian Songs by the "Astur" Male Trio. 10.0—Chimes. 10.5—News. 12.0 (approx.)—Station Sextet. 11.15—Dance Music. 11.45—News. 12.0 m't.—Chimes.

MONTE CENERI (Switzerland)

1,167 kc/s (257.1 m.); 15 kW. Transmits at intervals from 11.0 a.m. 6.0 p.m.—Radio Orchestra. Largo (Handel). Hungarian Rondo (Haydn). Larghetto from the Coronation Concerto (Mozart). Turkish March (Beethoven). Adagio sostenuto from the Moonlight Sonata (Beethoven). Slav Dance No. 8 (Dvořák). Scandinavian Song (Schumann). Perpetuum mobile (Strauss). In the interval at 6.15: Talk: Ticino Artists.
6.45—News. 7.0—Programme Review. 7.30—Request Programme.

MOSCOW (No. 1) (Russia)

174 kc/s (1,724 m.); 500 kW. Transmits at intervals from 2.40 a.m. 6.0 p.m.—Recitations. 7.15—Concert. 8.0—Czech Talk: Stabilising the Rouble; Questions and Answers (Czech).
9.5—English Programme: "Mother"—Play (Gorky), produced by Herbert Marshall. 10.0—German Talk: Stabilising the Rouble; Sports.

MUNICH (Germany)

740 kc/s (405.4 m.); 100 kW. Relayed by Nürnberg, 1,267 kc/s (236.8 m.).
Transmits at intervals from 5.0 a.m. 11.0 a.m. (from Nürnberg)—Orchestra. Conductor: Böhm. 12.0 noon—News. 12.15 p.m.—Station Orchestra. Conductor: Kloss. 1.20—News. 2.40—Reading. 3.0—Markets. 3.20—"Jean Paul"—Musical Sequence. 4.0—Nini Diehl (Soprano), Vog-

genauer (Baritone), Mary Wurm (Pfte.). 4.45—Industrial Talk. 4.55—Call of Youth.
5.0—See Leipzig. 6.45—German Post-War Literature—Sequence (Wiener). 7.0—News. 7.10—Dance Programme. Part I: Marches, Waltzes, Polkas, and Gallops by the Station Orchestra. Conductor: List. Part II: Franz and Willy Köppl (Accordions). Part III: Station Dance Band. Conductor: Aulich. 9.0—News; Sports. 9.20—To be announced.
9.30—"Hölderlin and Diotima"—Sequence (Juergensohn). Station Orchestra. Conductor: Winter. Carmuth (Tenor). Irene Kohl, Fiedler, Fischer (Speakers). 10.30—11.0—Orchestra from Stuttgart.

OSLO (Norway)

260 kc/s (1,153.8 m.); 60 kW. Relayed by Fredrikstad, 776 kc/s (386.6 m.); Hamar, 519 kc/s (578 m.); Notodden, 1,357 kc/s (221.1 m.); Porsgrund, 850 kc/s (352.9 m.); Rjukan, 1,348 kc/s (222.6 m.); and Trøndelag, 629 kc/s (476.9 m.).
Transmits at intervals from 9.0 a.m. 4.0 p.m.—Light Music. 5.0—To be announced. 5.30—English Lesson. 5.55—News. 6.30—For Farmers. 6.45—Parliamentary Review. 7.0—A Musical Bridge Party (Torjussen) by a String Quartet. 7.30—Literary Talk. 7.50—Cabaret. 8.20—A Microphone Visit. 8.35—News. 9.0—Topical.
9.15—Tchaikovsky Concert. Andersen (Violin), Dagny Constanse Knutsen (Songs) and Petra Hendriksen (Pfte.). Violin (a) Chanson triste, (b) Andante, (c) Barcarolle. Songs: (a) Why? (b) None but the Weary Heart, (c) Lullaby, (d) Song. Pfte.: Troika.

PARIS (Eiffel Tower) (France)

1,456 kc/s (206 m.); 20 kW. Transmits at intervals from 8.0 a.m. 5.0 p.m.—Exchange. 5.10—News. 5.15—Lecture by Prof. Strowski, from the Sorbonne: Contemporary Literature as a Mirror of the Age. 6.15—Records. 6.45—Theatre Talk. 7.0—News; Racing. 7.20—Topical Talks. 7.45—Film Talk. 8.0—Home Affairs.
8.30—Saxophone Quartet, Roland Charmy (Violin), and Henriette Deligé (Songs). Minuet (Boccherini). Minuet (Boccherini). Scherzo, Quartet in E flat (Haydn). Four Songs (Schubert). Violin: Havanaisa (Saint-Saëns). Four Songs (Pierne). Sérénade mélancolique (Clérissé). Dance (Cras).

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.—Light Music. 12.25 p.m.—An Interview. 12.35—Folies-Bergère Programme. 1.19—Operetta Music. 1.45—"Victor Hugo and Liszt"—Sequence (Laurent), with Roger Gaillard. 2.0, 3.15, 3.45, 4.35, and 6.15—Exchange. 6.20—For Farmers. 6.21—Mlle. Bousquet (Pfte.). 6.31—Topical Talk. 6.41—Record. 6.45—Talk by Robert Mathieu. 6.50—Records: Trio in G (Haydn), by Cortot, Thibaud, and Casals. 7.4—Sports Talk. 7.8—Talk. 7.10—News. 7.25—Amusement Guide. 7.28—Talk: The Event of the Week. 7.35—Programme by Jean Sorbier. 7.50—Records: Sketches. 8.15—"Mauricet and Pierre Varenne"—Sketch (Oléo-Dumont). 8.30—Programme by Charles Fallot. 8.50—Talk by Paul Reboux. 9.0—Music-Hall Programme. Orchestra—Conductor: Balay. 10.30—11.0—Records: Light Music.

PARIS (PTT) (France)

695 kc/s (431.7 m.); 120 kW. Transmits at intervals from 6.50 a.m. 5.0 p.m.—Paris Symphony Orchestra. Conductor: André. Excerpts, "La Source" (Delibes). Menuet antique (Ravel). Mother Goose Suite (Ravel). 5.30—Economics. 5.40—Talk, arranged by the International Labour Bureau. 5.50—Literary Review. 6.0—A Visit to Notre Dame—Talk with Organ Recital, by Louis Vierne. 6.30—Topical.
7.38—Paris Symphony Orchestra. Conductor: André. Preludes to Acts I and III, "La Traviata" (Verdi). Ballet Music, "Hérodiade" (Massenet).
8.0—Music Talk: Forgotten Operettas. 8.30—"Esopo à la Cour"—Five-Act Epic Play (de Boursault), with a Comédie-Française Cast. 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—Legal Talk. 8.15—Fauré Records. 10.15—Lecture from the Sorbonne: The Augustan Age of Latin Literature. 11.15—Records. 11.30—For Farmers. 11.45—Jewish Talk.
12.15 p.m.—Poulet Concert Orchestra. Conductor: Tomasi. Pola Fiszal (Songs). In the interval at 12.45: News; For Ex-Servicemen. 2.0—Readings (Laut). 2.15—Talk: The Paris of Yesterday. 2.30—Dance Records. 3.0—Records: Contemporary French Music. 3.30—Readings (Duvernois). 3.50—Talk. 4.0—Wind Quintet and Harp. 5.0—English Lesson. 5.25—Review.
5.30—Paris Symphony Orchestra. Conductor: André. Renée Chemet (Violin). Overture and Aubade, "Le Roi d'Ys" (Lalo). Three Movements from the Violin Sonata in A (Bach). 6.0—For Women. 6.30—Orchestra (cont'd.). Symphony in G minor (Mozart). In the Steppes of Central Asia (Borodin). Overture, "Prince Igor" (Borodin). Violin: (a) Romance in A (Schumann-Kreisler), (b), Concerto in G minor (Bruch).
7.30—Theatre Talk. 7.40—Talk: Hunting. 7.50—Talk: Dietetics. 8.0—Marguerite Girard (Songs). Le Coucou (Paul Pierné). L'âne blanc (Hue). Pas loin du chemin (François). Les nouettes (Dupont). 8.15—News.
8.30—"Thais"—Opera in Three Acts (Massenet), from the Opéra. 10.45 (approx.)—Records.

PRAGUE (Czechoslovakia)

638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.15 a.m. 3.0 p.m.—Exchange; Weather.
3.10—Orchestra, from Brno. 4.0—Russian Lesson.
4.15—String Quintet (Hobol) by the Ondricek Quartet and Moravec (Viola). 4.40—Talk: Famous Czechoslovak. 4.50—Markets. 5.0—For Workers. 5.10—German Transmission: News; Technical Talk; For Workers. 5.45—News in German. 5.58—Records. 6.0—News. 6.10—FOK Orchestra. Conductor: Pekárek. 6.45—Talk: Television. 7.0—Hippmann and Malát Songs. 7.25—"The Rejuvenation of Leopold Kohák"—Play (Toman), with Music by Ponc. 9.0—News; Sports. 9.15—Snow Report. 9.20—Records. 9.45—10.0—News in Russian.

RADIO-NORMANDIE (France)

1,113 kc/s (269.5 m.); 15 kW. 7.0 a.m.—Records. 7.20—News. 7.48—Racing. 7.53—For Housewives. 8.0—Records. In the interval at 8.15: Time. 8.30—Orchestra. 8.45—Light Music. 9.0—Time; Orchestra. 9.15—Waltzes. 9.30—Musical Comedy Music. 9.45—Records. 10.0—Chansonnettes. 11.0—Classical Music. 12.0 noon—Records. 12.15 p.m.—Marches. 12.30—Popular Concert. In the interval at 12.45: News. 3.30—Records. 4.0—Tea-Time Hour. 4.45—Children's Corner. 5.0—Time; Hungarian Music. 5.15—Records. 5.30—International Potpourri. 6.0—For Children. 6.45—News. 7.0—Popular Concert. In the interval at 7.45: An Interview; News. 8.15—Saxophone. 8.30—Records. 8.45—Viennese Waltzes. 9.0—"Ma Mîche"—Play in Three Acts (Montvoisin). 11.0—Dance Music. 11.30—News. 11.40—Variety. 12.0 m't.—2.0 a.m. (Saturday)—Dance Music. In the interval at 12.30: Time.

RADIO-ROMANIA (Brasov) (Romania)

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

ROME (Italy)

713 kc/s (420.8 m.); 50 kW. Relayed by Naples, 1,104 kc/s (271.7 m.); Bari (No. 1), 1,059 kc/s (283.3 m.); Bari (No. 2), Milan (No. 2) and Turin (No. 2), 1,357 kc/s (221.1 m.).
Transmits at intervals from 6.45 a.m. 4.0 p.m.—Concert from the Royal Academy of St. Cecilia. In the interval: News. After the Concert: Snow Report; Corn Prices. 5.50—Announcements. 6.0—News; Tourist Talk in Dutch. 6.20—News in English. 6.44—News in French. 7.5—Announcements; Talk by Senator Davanzati. 7.15—News. 7.35—Variety. 8.35—Fortnightly Review. 8.45—Choir of the Academy of St. Cecilia. Conductor: Somma. Adoramus te, Criste (Palestrina). Ave Maria (da Vittoria). "O salutaris Hostia" (Perosi). Tu es Petrus

(Perosi). Two Thirteenth Century Carols (arr. Gevaert): (a) Entro la capannella umil, (b) Gli augelletti per i campi. Nenia pastorale (Somma). Il ritorno del grege (Möller). 9.15—Dance Music. 10.0: News.

SOTTENS (Switzerland)

677 kc/s (443.1 m.); 100 kW. Relayed by Geneva, 401 kc/s (748 m.).
11.30 a.m.—News. 11.40—1.0 p.m. (from Geneva)—Records. In the interval at 12.0 noon: News. 3.30—5.0—See Beromünster. 5.0—9.35—Programme from Geneva. 5.0—For Children. 5.30—Records. 5.40—Announcements; Sports. 6.5—Records. 6.15—Parliamentary Notes. 6.30—Records. 6.35—Wireless Notes. 6.55—Financial Notes. 7.10—Readings. 7.30—Talk on the following Transmission.
7.35—"Pelléas et Mélisande"—(Debussy), Acts 2 and 3, from the Grand Theatre. Suisse romande Orchestra. Conductor: Ansermet. Soloists: Madeleine Dubois, Rose Féart, Lise Bratschi, Pierre Bernac, Mestrallet, Carlton Gauld and Joseph Lombard. In the interval at 8.15: News. 9.15—League of Nations Report.

STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW. Relayed by Motala, 216 kc/s (1,389 m.); Göteborg, 941 kc/s (318.8 m.); Hörby, 1,131 kc/s (265.3 m.); and Boden, 392 kc/s (765 m.).
Transmits at intervals from 6.20 a.m. 4.25 p.m.—Records. 5.25—Reading. 5.45—Norwegian Songs by Sigurd Hoff. 6.15—News. 6.30—Old and New Parade Marches. Life Guards' Band. Conductor: Grundström. 7.15—Talk.
7.45—Halmstad Choir. Conductor: Körling. Hemygden (Körling). The Turtle Dove (arr. Vaughan Williams). Song (Martini-Körling). A Spruce (Borovski). Welsh Folk Song (arr. Northcote). Czech Folk Song (arr. Körling). Uppland Folk Song (arr. Liljefors). Spanish Folk Song Potpourri. 8.45—News. 8.15—Legal Review. 8.45—News. 9.0—10.0—Ellen Lundin (Songs), Olsson (Organ) and Norrby (Cello) from the Gustaf Vasa Church. Organ Sonata in F minor (Bossi). Cello: (a) Prayer (Schubert), (b) Larghetto (Weber-Kreisler), (c) Angelus (Wennerberg-Reuter), (d) Berceuse (Schönning). Organ: Whitsun (Olsson). Songs. Organ Prelude in B minor (Bach).

STRASBOURG (France)

859 kc/s (349.2 m.); 120 kW. Transmits at intervals from 6.45 a.m. 6.30 p.m.—Divertissement No. 14 in B flat for Wind Sextet (Mozart). 6.45—Topical Talk in German. 7.0—Orchestra. Conductor: Bour. Serenade from the Quartet in F (Haydn). Sextet (Mozart). Minuet (Beethoven).
7.30—News. 7.45—News in German. 8.10—Theatre and Music Notes; Records.
8.30—See Paris (PTT). 10.45—See Paris (Radio-Paris).

STUTTIGART (Germany)

574 kc/s (522.6 m.); 100 kW. Transmits at intervals from 5.0 a.m. 11.0 a.m.—See Frankfurt.
1.0-2.0 p.m.—See Deutschlandsender. 2.30—Musical Fairy Tales. 3.0—Pforzheim Symphony Orchestra and Soloists. Conductor: Leger. 4.45—Talk: Weaving.
5.0—See Leipzig. 6.0—Emil Strauss Poetry Sequence (arr. Schirpf), with Josef Strauss Music. 6.30—Community Singing. 7.0—News. 7.10—Excerpts, "The Nibelungs"—Tragedy (Hebbel).
8.30—See Frankfurt. 9.0—News; Sports. 9.20—Topical Talk from Washington.
9.30—Orchestra. Conductor: Hitzig. March (Henrión). Dramatic Overture (Blon). Excerpts, Pathetic Suite (Scheinflug). Prelude, "Die Loreley" (Bruch). March (Schlenk). Heldische Suite (Huppertz). Overture, "Die Weihe des Hauses" (Beethoven). Ballet Music, "Rienzi" (Wagner). Overture, "Euryanthe" (Weber).
11.0-1.0 a.m. (Saturday)—See Frankfurt.

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.15 a.m. 6.0 p.m.—Exchange. 6.5—Orchestra. 6.20—Chansonnettes. 6.30—Or-

chestra. 6.45—News. 6.50—Tyroless Music. 7.5—Light Orchestral Music. 7.30—News. 7.45—Talk.
7.50—Opera Music. Prologue, "I Pagliacci" (Leoncavallo). Arias, "Thais" (Massenet), "Carmen" (Bizet) and "Rigoletto" (Verdi). 8.15—Light Music.
8.30—Viennese Orchestra. 8.50—Ensemble. 9.0—"Les filles d'Arles"—Fantasy. 9.35—Maurice Saint-Paul (Accordion) and his Band. 10.5—Light Music. 10.35—News. 10.50—Film Music. 11.0—Dance Music. 11.15—Chansonnettes. 11.30—Station Jazz Band. 11.45—Humorous Sketches. 12.0 m't.—Light Music. 12.15 a.m. (Saturday)—News. 12.20-12.30—Orchestra.

TURIN (No. 1) (Italy)

1,140 kc/s (263.2 m.); 7 kW. Relayed by Milan (No. 1), 814 kc/s (368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,222 kc/s (245.5 m.); Florence, 610 kc/s (491.8 m.); and Bolzano, 536 kc/s (559.7 m.).
6.45 a.m.—Gym. 7.0-7.20—News; Markets.
10.30—Chesi-Zanardelli-Cassone Trio. 11.15—Records. 11.45—News. 12.0 noon—Announcements; Light Music. 12.10 p.m.—Orchestra. 12.50—News. 1.0—For Housewives; Exchange. 3.20—Records. 3.35—For Boys. In the interval: News.
4.0—See Rome. 5.50—Announcements. 6.0—News in Foreign Languages. 7.5—Announcements; Talk by Senator Davanzati. 7.15—News. 7.35—Records.
8.0—Symphony Concert. Orchestra. Conductor: La Rosa Parodi. Choir Conductor: Consoli. Giuseppe Grandini (Baritone), Ugo Cangelmo (Tenor), Graziella Valle-Gazzera (Soprano), and Rita De Vincenzi (Mezzo-Soprano). Quintet (Schubert-Ghedini). La strage degli innocenti (Perosi). In the interval: Reading. 10.0: News in Italian and Spanish.

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Relayed by Graz, 886 kc/s (338.6 m.); Innsbruck, 519 kc/s (578 m.); Dornbirn, Klagenfurt, Linz 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—News. 6.20—A Visit to Richard Teschner. 6.35—Light Music by the Radio Section of the Vienna Symphony Orchestra. Conductor: Holzer. Rosner (Violin). 7.20—Readings (Chiavacci).
7.55—Vienna Symphony Orchestra. Conductor: Melichar. Toni Sommer-Wirtinger (Pfte.). Concerto in Old Style (Reger). Pfte. Concerto in G (Beethoven). French Suite (Melichar). 9.0—News.
9.10—Records of Famous Singers, and Violinists. 10.0—Letter-box. 10.10—Announcements. 10.25-12.0 m't.—Dance Music.

WARSAW (Poland)

224 kc/s (1,339 m.); 120 kW. Relayed by Cracow, 1,022 kc/s (293.5 m.); Katowice, 758 kc/s (395.8 m.); Łódź, 1,339 kc/s (224 m.); Łwów, 795 kc/s (377.4 m.); Poznań, 868 kc/s (345.6 m.); Torun, 986 kc/s (359.7 m.); and Wilno, 536 kc/s (559.7 m.).
Transmits at intervals from 5.30 a.m. 11.0 a.m.—Fanfare, News. 11.15—For Schools. 11.40—Adamska Orchestra. 12.25 p.m.—For Housewives. 12.30-12.35—Labour Exchange. 2.15—Announcements. 2.20—Exchange. 2.30 (from Wilno)—Cascade Orchestra. 3.0—For Invalids. 3.15 (from Łwów)—Sredynski Orchestra. 3.45—For Children. 4.0—Geological Report. 4.15—Poetry. 4.20 (from Poznań)—Sixteenth, Seventeenth, and Eighteenth Century Songs and Opera Arias, by Wolinski (Tenor). 4.50—Sports.
5.0—Chamber Music by Robowska (Pfte.) and Matysiak-Klechniowska (Violin). Sonata in D minor (Geminiiani). Sonata (Cui).
5.30—Topical. 5.40—Social Problems. 5.45—Announcements. 5.55—Farmers' Letter-box. 6.5—Announcements. 6.35—Sports. 6.50—Talk. 7.0—Music Talk.
7.10—"Goplana"—Opera (Zeleniski) from the Grand Theatre. In the intervals at 8.0—News; Talk: Poland To-day, and at 9.0—Technical Letter-box. 10.15—Weather. 10.20—Dance Records.

2 p.m.

ATHLONE, 2.35. Running Commentary on the Scotland v. Wales Rugby International.

3 p.m.

BERLIN, See Cologne. BERMUNSTER, Accordion Trio. 3.30—See Monte Ceneri. BRESLAU, See Cologne. BRUSSELS (1), Stan Brenders and Dance Band. BRUSSELS (2), Excerpts, "Fidelio" (Beethoven). COLOGNE, Variety. DEUTSCHLANDSENDER, See Cologne. FRANKFURT, See Cologne. HAMBURG, See Cologne. HILVERSUM (1,875 m.), Talks. 3.25—Records. 3.55—Orchestra and Soloists, V.A.R.A. Dramatic Ensemble. HILVERSUM (301.5 m.), For Children. 3.30—Jewish Programme.

KALUNDBORG, Commentary on the International Tennis Championship—Men's Doubles Final; Records. KÖNIGSBERG, See Cologne. LEIPZIG, See Cologne. MONTE CENERI, 3.30—Puccini Concert. Conductor: Casella. MUNICH, See Cologne. PARIS (PTT), Variety. PRAGUE, Dance Band. 3.50—Talk and Reading. RADIO-NORMANDIE, 3.30—Orchestra. RADIO-PARIS, Play for Children. SOTTENS, 3.30—See Monte Ceneri. STOCKHOLM, Pfte., Violin, Cello (contd.). 3.15—Reading. 3.45—Folk Songs. STRASBOURG, See Paris (PTT). 3.45—Exchange. STUTTGART, See Cologne. WARSAW, French Lesson. 3.15—Play for Children. 3.45—Community Singing.

4 p.m.

BERLIN, See Cologne. BERMUNSTER, See Monte Ceneri. BRESLAU, See Cologne. BRUSSELS (1), Light Music. 4.50—Aria Records (Purcell). BRUSSELS (2), Records. 4.15—League of Nations Talk. 4.30—Records. BUCHAREST, Military Music. BUDAPEST (1), Greetings. 4.30—Orchestra. BUDAPEST (2), Greetings. COLOGNE, Variety (contd.). DEUTSCHLANDSENDER, See Cologne. FRANKFURT, See Cologne. HAMBURG, See Cologne. HILVERSUM (1,875 m.), Orchestra, Soloists, V.A.R.A. Dramatic Ensemble (contd.). HILVERSUM (301.5 m.), Jewish Programme. 4.40—Records. KALUNDBORG, Records. 4.35—Exchange, Markets, Poem. 4.50—For Housewives. KÖNIGSBERG, See Cologne. LEIPZIG, See Cologne. MONTE CENERI, Puccini Concert (contd.). 4.15—Talk. 4.25—Vocal Quartet. 4.30—Light Music. MUNICH, See Cologne. OSLO, Records. PARIS (PTT), Literary Programme. 4.20—Talk. 4.30—Pasdeloup Concert. Conductor: Magnani. PRAGUE, Reading, Educational, For Farmers, For Workers. 4.55—German Transmission: A Capella Songs, "The Marriage Market"—Play (Scholz). RADIO-NORMANDIE, Tea-Time Hour. 4.45—Children's Corner. RADIO-PARIS, Light Orchestral Music. RADIO-ROMANIA, See Bucharest. ROME, News, Exchange, Lottery Results. 4.15—Madami Plucked String Quartet. 4.45—Snow Report. SOTTENS, See Monte Ceneri. STOCKHOLM, Weather, Reading. 4.30—Records. STRASBOURG, 4.30—See Paris (PTT). STUTTGART, See Cologne. TURIN, News. 4.15—Dance Band. 4.55—Snow Report. VIENNA, Records. 4.55—Folk Songs. WARSAW, Service. 4.50—Rachmaninov Records.

5 p.m.

ATHLONE, 5.30—News (Irish). 5.45—St. Brigid's Programme: Choir, Orchestra, Talks. BERLIN, Report. 5.15—Pfte., Violin, Cello. BERMUNSTER, Yodeling, Records, 5.30—Talk. BRESLAU, Dialogue, Talk. 5.30—Sequence (Brauer). 5.50—Programme Notes, Markets. BRUSSELS (1), Talk. 5.15—Choura Kouznetzoff and his Russian Orchestra. BRUSSELS (2), Constantin Orchestra. BUCHAREST, Talk. 5.15—Radio Orchestra. BUDAPEST (1), Orchestra (contd.). 5.45—Talk.

COLOGNE, See Berlin. 5.15—Variety. DEUTSCHLANDSENDER, Folk Songs and Dances. 5.45—Report on Records. EIFFEL TOWER, Records. 5.15—Poulet Concert Orchestra, Soloists. FRANKFURT, National Songs. 5.20—Surprise Programme. 5.30—The Roving Microphone. 5.40—Weekly Review, Announcements. HAMBURG, See Berlin. 5.15—Songs and Dances. 5.30—Talk, Weather. HILVERSUM (1,875 m.), Orchestra, Soloists, V.A.R.A. Dramatic Ensemble (contd.). 5.20—Talk. 5.40—Records. HILVERSUM (301.5 m.), Records. 5.10—K.R.O. Orchestra.

KALUNDBORG, For Housewives. 5.20—French Lesson. KÖNIGSBERG, Sequence with Music. 5.30—Bach, Kaminski—Bremer (Organ). 5.55—Soldier Songs. LEIPZIG, See Berlin. 5.15—Sequence. 5.40—Blumer and Sammler (Pfte.). MOSCOW, 5.15—Russian Music. MUNICH, Hitler Youth Band. 5.20—Talk. 5.30—Sonata for Saxophone and Pfte. (Dressel). 5.50—Topical Talk. OSLO, For Children. 5.35—Talk. 5.55—News. PARIS (PTT), Pasdeloup Concert (contd.). PRAGUE, German Transmission (contd.). 5.45—News (German). 5.55—Records. RADIO-NORMANDIE, Dance Music, Russian Music, Songs. RADIO-PARIS, Literary Review, Talk. 5.30—Opera Records. RADIO-ROMANIA, See Bucharest. ROME, Corn Prices, For Farmers. 5.50—Announcements, News (Esperanto). SOTTENS, Chimes. 5.15—Records. STOCKHOLM, Records. 5.30—Variety. STRASBOURG, See Paris (PTT). STUTTGART, Weekly Sound News. 5.30—Variety. TURIN, Corn Prices, Lotteries. 5.10—For Women. 5.50—Dopplavoro Notes, Records. VIENNA, Folk Songs (contd.). 5.20—Monthly Review. 5.45—Talk. WARSAW, Rachmaninov Records. 5.40—Book Review, Art Notes. 5.55—Announcements.

6 p.m.

ATHLONE, St. Brigid's Programme (contd.). 6.45—News. BERLIN, Light Music. 6.45—Evening Echoes. BERMUNSTER, Chimes, Weather, Markets. 6.20—Talk. 6.50—Dialect Programme: Humorous Talks and Songs. BRESLAU, Variety. 6.45—Topical Report. BRNO, 6.15—Folklore Programme. BRUSSELS (1), Russian Orchestra (contd.). 6.15—Talk. 6.30—"Les Cloches de Corneville" (Planquette) on Records. BRUSSELS (2), Talk. 6.15—"Les Erynnies" (Massenet). 6.45—Book Review. BUCHAREST, News, Tourist Report. 6.15—Orchestra (contd.). 6.50—Talk. BUDAPEST (1), Talk. 6.15—Songs. 6.50—Reading. COLOGNE, Variety (contd.). 6.50—Snapshots. DEUTSCHLANDSENDER, Records. 6.45—Topical Discussion. EIFFEL TOWER, Poulet Concert Orchestra (contd.). FRANKFURT, Military Band. 6.55—Call of Youth. HAMBURG, Variety. 6.45—Wireless Review. HILVERSUM (1,875 m.), Records. 6.10—Esperanto Programme. 6.25—V.R.O. Programme. HILVERSUM (301.5 m.), Review. 6.25—Records, Announcements. KALUNDBORG, News. 6.30—Talk. KÖNIGSBERG, Soldier Songs (contd.). 6.30—For Ex-Servicemen. LEIPZIG, Pfte. (contd.). 6.10—"Snow"—Sequence. 6.50—Evening Review. MONTE CENERI, Soloist Records. 6.15—Weekly Review. 6.30—Ocarina Records. 6.45—News. MOSCOW, Russian Music (contd.). MUNICH, Stühlfauth Quartet—Bill, Brahms, Beethoven. OSLO, News. 6.30—Old Dance Music.

PARIS (PTT), Pasdeloup Concert (contd.). 6.30—Topical Talks. POSTE PARISIEN, Literary Programme. 6.15—Exchange. 6.20—Roman Catholic Address. 6.40—Talk. 6.47—Review of Foreign Affairs. PRAGUE, News, Political and Economic Review. 6.15—See Brno. RADIO-NORMANDIE, For Children. 6.45—News. RADIO-PARIS, Art Talks. 6.30—Song Records. RADIO-ROMANIA, See Bucharest. ROME, Announcements, Tourist Talk in Esperanto. 6.20—News (English). SOTTENS, Talk. 6.20—Chamber Music Records. 6.35—Symphony No. 5 (Widor), Piaget (Organ). 6.59—Weather. STOCKHOLM, Variety (contd.). 6.15—News. 6.30—Old Dances by Agren's Orches-

tra. STRASBOURG, See Paris (PTT). 6.45—French Lesson. STUTTGART, See Frankfurt. TOULOUSE, Exchange, Orchestra, Chansonnettes, Cello. 6.45—News, Film Music. TURIN, News in Foreign Languages. VIENNA, News, Sports. 6.10—Paul Godwitz Orchestra. WARSAW, Announcements, Sports Notes. 6.50—Topical Talk.

7 p.m.

ATHLONE, Interview. 7.15—Introductory Talk. 7.30—Third Symphony Concert of the Dublin Philharmonic Society. BERLIN, News. 7.10—Concert—Berlin Station Orchestra and Male Voice Choir, Conductor: Raabe. Erb (Tenor), Spletter (Soprano), Arrau and Hoppe (Pfte.). BERMUNSTER, Dialect Programme (contd.). BRESLAU, News. 7.10—See Stuttgart. BRUSSELS (1), "Les Cloches de Corneville" (contd.). 7.30—Review for Women. BRUSSELS (2), Debussy Records. 7.30—Film and Wireless Review. BUCHAREST, Talk. 7.10—Dance Music. BUDAPEST (1), Reading. 7.25—See Vienna. COLOGNE, News. 7.10—See Stuttgart.

DEUTSCHLANDSENDER, Motto, Weather, Announcements. 7.10—See Munich. EIFFEL TOWER, Orchestra (contd.). 7.15—Weather, Racing Results. 7.25—Foreign Affairs. 7.45—Music Talk. FRANKFURT, News. 7.10—See Leipzig. HAMBURG, News. 7.10—Dance Music. HILVERSUM (1,875 m.), V.R.O. Programme (contd.). 7.25—See Vienna. HILVERSUM (301.5 m.), Talk, Recitations. 7.50—Report. KALUNDBORG, Weekly Review. 7.10—Schumann, Nardini-Jorgensen (Viola), Jensen (Pfte.). 7.30—Reading. 7.50—Chopin Waltzes by Wagner (Pfte.). KÖNIGSBERG, News. 7.10—See Hamburg. LEIPZIG, News. 7.10—"Die grosse Sünlerin"—Operetta (Künneke). MONTE CENERI, Viennese Operetta Music. 7.30—"Sonori e cantati"—Musical Play (Frattini). MOSCOW, Russian Music (contd.). 7.15—Concert. MUNICH, News. 7.10—Verdi Opera Music. OSLO, Talk. 7.30—Russian Folk Music, Balalaika Orchestra and Choir. PARIS (PTT), Topical Talk. 7.38—Composers at the Microphone—Light Music. POSTE PARISIEN, Record, Sports Talk. 7.10—News, Amusement Guide, Topical Talk. 7.35—Records. PRAGUE, Talk. 7.15—Variety. RADIO-NORMANDIE, Popular Music. 7.45—Interview, News. RADIO-PARIS, Song Records. 7.15—Talks. RADIO-ROMANIA, See Bucharest. ROME, Announcements, Sports Notes, News, Lottery Results. 7.35—"A Masked Ball"—Opera (Verdi). Conductor: Serafin, with Gigli.

SOTTENS, Orchestra and Swiss Singers. STOCKHOLM, Old Dances (contd.). 7.15—"Doctor Abernethy"—Comedy (Alicia Ramsay, Rudolph de Cordova). STRASBOURG, Dance Records. 7.30—News, Sports. 7.50—News (German). STUTTGART, News. 7.10—Variety. TOULOUSE, Orchestra, Xylophone. 7.30—News. 7.45—Concert. TURIN, Announcements, Sports 7.15—News. 7.35—"Dollars and Gondolas"—Operetta (De Nigris). VIENNA, Report from Bad Gastein. 7.25—Austrian Folk Music (arr. Reidinger), Wiener Sängerknaben, Vocal Quartet, Vienna Symphony Orchestra and Soloists. WARSAW, Symphony Orchestra, Zaleski (Bass-Baritone). 7.45—News. 7.55—Talk.

8 p.m.

ATHLONE, Symphony Concert (contd.). BERLIN, Concert (contd.). BERMUNSTER, News. 8.10—"The Blue Danube"—Musical Play (Rostovsky). BRATISLAVA, "Ten Maids and No Man"—Operetta (Suppe). BRESLAU, See Stuttgart. BRUSSELS (1), Radio Orchestra. BRUSSELS (2), See Vienna. 8.40—Record, Recitations. BUCHAREST, Dance Music (contd.). 8.30—News, Sports Notes. 8.45—Sibiceano Orchestra. BUDAPEST (1), See Vienna. 8.45—News. COLOGNE, See Stuttgart. DEUTSCHLANDSENDER, See Munich. EIFFEL TOWER, Home Affairs. 8.30—"Oedipus Rex"—Tragedy (Sophocles).

FRANKFURT, See Leipzig. HAMBURG, Dance Music. HILVERSUM (1,875 m.), See Vienna. 8.40—News. HILVERSUM (301.5 m.), K.R.O. Boys. 8.20—Talk. 8.25—The Jungle Serenaders. 8.35—K.R.O. Melodists. KALUNDBORG, Chopin Waltzes (contd.). 8.5—Bellman Songs by Gildsig (Songs to the Lute). 8.35—Stangerup (Marimba). 8.50—News. KÖNIGSBERG, See Hamburg. LEIPZIG, "Die gross Sünlerin" (contd.). MONTE CENERI, "Sonori e cantati" (contd.). 8.30—Light Music. 8.50—Topical. MOSCOW, Review (German); Questions and Answers (German), Chimes. MUNICH, Verdi Opera Music (contd.). OSLO, Talk. 8.15—Station Orchestra. 8.35—News, Topical Talk. PARIS (PTT), Literary Review. 8.10—Film Review, Talk. 8.30—National Orchestra, Conductor: Desormiere, Turba-Rabier (Songs), Dufrenne (Flute). POSTE PARISIEN, Records. 8.15—Bach, Laverne, Jeamblan and Jeanne Jehano Programme. 8.30—Records. RADIO-NORMANDIE, News. 8.15—Records. RADIO-PARIS, "Fete Days of the Year"—Alice Tieier and the "Accord Parfait" Vocal Quartet. 8.30—Press Review. 8.45—Concert Version: "Rolande et le mauvais garçon"—Opera (Rabaud). RADIO-ROMANIA, See Bucharest. ROME, "A Masked Ball" (contd.), Book Talk. SOTTENS, Orchestra and Swiss Singers (contd.) at 8.20, News. 8.59—Weather. STOCKHOLM, The Comedian Harmonists. 8.45—News. STRASBOURG, News (German). 8.10—Records. 8.30—Gala Concert for the Seventy-fifth Anniversary of the Concordia Argentina Choral Society. Orchestra and Choir. Conductors: de Villers, Barth; Ritter-Ciampi (Songs), Müller (Organ). STUTTGART, Variety (contd.). TOULOUSE, Concert (contd.). 8.15—Humorous Sketches, Viennese Orchestra, Folk Music. TURIN, "Dollars and Gondolas" (contd.), Talk and Announcements. VIENNA, Austrian Folk Music (contd.). 8.40—Film Talk. WARSAW, For Poles Abroad. 8.30—Dramatic Programme.

Feb. 1 SATURDAY

9 p.m.

ATHLONE, Symphony Concert (contd.). 9.30—Variety. BARCELONA, Chimes, Weather. 9.5—Station Orchestra. BERLIN, Songs. Station Orchestra. BERLIN, News. 9.20—Report. 9.30—Dance Music and Variety. BERMUNSTER, "The Blue Danube" (contd.). 9.15—Dance Music. 9.45—Parliamentary Notes (Records). BRESLAU, News. 9.20—Report (on Records). 9.35—Dance Band. BRUSSELS (1), Music Hall—Fantasy (Fleischmann), Orchestra and Soloists. BRUSSELS (2), Dance Band. BUCHAREST, Sibiceano Orchestra (contd.). BUDAPEST (1), News. 9.10—Sandor Bura Cigany Band. 9.40—Jazz Band. COLOGNE, News. 9.20—Talk. 9.35—Light Music from Leipzig. DEUTSCHLANDSENDER, News, Sports, Announcements. 9.30—Serenade—Strinez (Bass). 9.45—Weather. EIFFEL TOWER, "Oedipus Rex" (contd.). FRANKFURT, News. 9.30—See Leipzig. HAMBURG, News, Sports Review. 9.40—Musical Interlude. HILVERSUM (1,875 m.), Organ and Male Voice Choir. 9.40—Talk, Report. HILVERSUM (301.5 m.), K.R.O. Melodists (contd.). 9.10—Accordion, Serenaders (contd.), Recitation. 9.45—K.R.O. Orchestra. KALUNDBORG, News. 9.5 Radio Orchestra. KÖNIGSBERG, News. 9.20—See Berlin. 9.30—Report. 9.50—Dance Music from Breslau. LEIPZIG, News. 9.20—See Berlin. 9.30—Light Music. MADRID (EAJ7), Economics. 9.15—Station Sextet. MONTE CENERI, Topical. 9.10—Dance Records. MOSCOW, 9.5—French Programme: Review, Questions and Answers; Sports and Theatre Notes. MUNICH, News. 9.20—To be announced. OSLO, Station Orchestra. PARIS (PTT), National Orchestra (contd.). Event of the Day, Report. POSTE PARISIEN, Dance Music.

9.35—Talk. PRAGUE, News, Sports, Records. 9.30—Salon Orchestra.

RADIO-NORMANDIE, Popular Concert. RADIO-PARIS, "Rolande et le mauvais garçon" (contd.). RADIO-ROMANIA (See Bucharest). ROME, "A Masked Ball" (contd.). SOTTENS, Light Music. STOCKHOLM, Dance Band. STRASBOURG, Gala Concert (contd.). STUTTGART, News. 9.20—See Berlin. 9.30—See Leipzig. TOULOUSE, Concert Version, "Lilac Time"—Operetta (Schubert-Berte). 9.35—Waltz Potpourri (Robrecht). 9.40—Music-Hall Programme. TURIN, "Dollars and Gondolas" (contd.). VIENNA, News. 9.10—Scarlatti and Liszt. Recital by Czarniowski (Pfte.). 9.50—Announcements. WARSAW, Operetta Music.

10 p.m.

ATHLONE, Variety (contd.). 10.30—What happened today, Light Music. BARCELONA, News. 10.20—Albeniz Concert. Talk. BERLIN, Dance Music and Variety (contd.). BRESLAU, Dance Band. BRUSSELS (1), News. 10.10—Brussels Quartet. Prokofiev, Debussy. BRUSSELS (2), News. 10.10—Dance Music. BUCHAREST Sandu Marco Orchestra. BUDAPEST (1), Jazz Band. 10.10—Kiss Cigany Band. 10.35—Jazz Band. COLOGNE, See Leipzig. DEUTSCHLANDSENDER, Dance Band and Accordionists. EIFFEL TOWER, "Oedipus Rex" (contd.). FRANKFURT, See Leipzig. HAMBURG, See Leipzig. HILVERSUM (1,875 m.), News. 10.25—Records. HILVERSUM (301.5 m.), K.R.O. Orchestra, Accordion, Announcements. 10.45—Records. KALUNDBORG, Report: The Six Day's Race; Dance Band. KÖNIGSBERG, See Leipzig. LEIPZIG, Light Music. MADRID (EAJ7), 10.5—News. 10.20—Theatre Relay. MOSCOW, Swedish Programme: Talk, Questions and Answers, Sports Notes. MUNICH, Dance Band. PARIS (PTT), National Orchestra (contd.). 10.30—News. 10.45—Dance Music. POSTE PARISIEN, 10.30—Records: Light Music. PRAGUE, Salon Orchestra (contd.) RADIO-NORMANDIE, Popular Concert. RADIO-PARIS, "Rolande et le mauvais garçon" (contd.). 10.45—Dance Music. RADIO-ROMANIA, See Bucharest. ROME, "A Masked Ball" (contd.), News. STRASBOURG, Gala Concert (contd.). STUTTGART, See Leipzig. TOULOUSE, 10.5—Light Music at 10.35, News. TURIN, "Dollars and Gondolas" (contd.), News (Italian, Spanish). VIENNA, Military Band. WARSAW, 10.5—Dance Records.

11 p.m.

BARCELONA, Albeniz Concert. 11.15—Records. BERLIN, Dance Music and Variety (contd.), Berlin Peep Show. BRUSSELS (1), Stan Brenders and Dance Band. BRUSSELS (2), Records. BUDAPEST (1), Jazz Band. 11.5—News. DEUTSCHLANDSENDER, Dance Band and Accordionists (contd.). FRANKFURT, See Stuttgart. HAMBURG, Dance Band. HILVERSUM (1,875 m.), Records. HILVERSUM (301.5 m.), Records. KALUNDBORG, Dance Band. MADRID (EAJ7), Theatre Relay. PARIS (PTT), Dance Music. POSTE PARISIEN, Records: Light Music. RADIO-NORMANDIE, Light Music. 11.30—News. 11.40—Light Music. RADIO-PARIS, Dance Music (contd.). 11.15—Light Music. STRASBOURG, Dance Music. STUTTGART, Serenade. TOULOUSE, Light Music. VIENNA, Military Band. 11.20—Cigany Music from Budapest.

12 midnight

BARCELONA, News. FRANKFURT, See Stuttgart. MADRID (EAJ7), Theatre Relay. RADIO-NORMANDIE, Dance Music. RADIO-PARIS, Light Music. STUTTGART, Serenade (contd.). TOULOUSE, Light Music. 12.15—News. Philharmonic Orchestra.

1 a.m. (Sunday)

RADIO-NORMANDIE, Dance Music.

SATURDAY (February 1)

NATIONAL

For Time Signals, see Monday

Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

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 p.m.—Records. 2.35—Running Commentary on the Scotland v. Wales Rugby International, from Murrayfield. 5.30—News in Irish.

5.45—St. Brigid's Programme. Choir of St. Anne's, Navan, Co. Meath, and the Station Orchestra. Aodh de Blacam talks on Customs and Lore associated with the Saint. 6.45—News. 7.0—A Visitor interviewed on the Radio. 7.15—Introductory Talk to the following Transmission.

7.30—Third Symphony Concert of the Dublin Philharmonic Society. 9.30—Variety. 10.30—What happened today; Light Music. 11.0—National Anthem.

BARCELONA (EAJI) (Spain)

795 kc/s (377.4 m.); 7.5 kW.

Transmits at intervals from 7.15 a.m. 6.0 p.m.—Request Records. 6.15—Talk in Catalan. 6.30—For Children; Records. 7.30—News; 7.45—Exchange. 8.0—Sports Notes; Records.

6.0—Light Music. 6.45—Evening Echoes. 7.0—News.

7.10—Concert from the Academy of Music, Berlin Station Orchestra and Berlin Male Voice Choir—Conductor: Peter Raabe. Karl Erb (Tenor), Carla Spletter (Soprano), Claudio Arrau and Hermann Hoppe (Pftes.). Selection, "The Barber of Bagdad" (Cornelius). Concerto in A for Pftes. and Orchestra (Liszt). Tenor Songs (Schubert): (a) Der Wanderer, (b) Der Einsame, (c) Der Jüngling an der Quelle, (d) Nachtstück. Pftes.: Wanderer-Fantasie (Schubert). Variations and Fugue on an Original Theme (Trenkner). 9.0—News. 9.20—Report: The International Riding and Driving Tournament.

9.30-12.0 m't—Dance Music and Variety. Small Station Orchestra—Conductor: Steiner. In the interval: "Berlin Peep Show."

BEROMÜNSTER

(Switzerland)

556 kc/s (539.6 m.); 100 kW. Relayed by Basle and Berne, 1,375 kc/s (218.2 m.). 5.30 a.m.—Gym. 11.0—Records. 11.28—News.

3.0—See Cologne. 5.0—Dialogue.

5.15—Talk: Herbert Fiebrandt. 5.30—"Service"—Sequence (Brauer). 5.50—Programme Notes; Markets. 6.0—Variety. 6.45—Topical. 7.0—News. 7.10—See Stuttgart. 9.0—News. 9.20—Report (on Records): The International Riding and Driving Tournament in Berlin. 9.35-11.0—"The Fair at Reichenbach, Eulengebirge." Station Dance Band. Conductor: Rau.

BRNO (Czechoslovakia)

922 kc/s (325.4 m.); 32 kW.

Transmits at intervals from 5.15 a.m. 11.35 a.m.—Station Orchestra. Conductor: Janota. 12.30 p.m.—Topical. 12.40—For Farmers. 12.45—Record. 12.50-1.0—See Prague.

2.0-4.15—See Prague. 4.15—Records. 4.25—Reading.

4.40—German Transmission: Bianca Schulhoff and Mareček (Pfte.). Polka (Weber). Mazurka and Dance (Ohlsen). Tarantella (Rossini-Liszt). Bolero (Moszkowsky). Slav Dance (Dvorak).

5.15—For Housewives. 5.20—Literary Review. 5.30—Telegrophy Lesson. 5.45—See Prague. 6.15—Folklore. 7.0—See Prague.

The Phantom Brigade (Myddleton)

Russian Potpourri, Saschinka (Schirmann).

9.0—"Music Hall"—Fantasy (Fleischmann) by the Radio Orchestra and Soloists. Conductor: Gason. 10.0—News.

10.10—The Brussels Quartet. Quartet (Prokofiev). Quartet (Debussy). 11.0-12.0 m't—Stan Brenders and the Station Dance Band.

BRUSSELS (No. 2) (Belgium)

932 kc/s (321.9 m.); 15 kW.

Programme in Flemish. 6.37-9.0 a.m.—Records; Gym; News. 12.0 noon—Records: "Cavalleria rusticana" (Mascagni). 1.0 p.m.—News.

1.10—José Schnyders Orchestra. Comedy Overture (Kéler-Béla). Selection, "The Pearl Fishers" (Bizet-Tavan). Waltz, "Eva" (Lehár). Potpourri (Salabert). Tango (Milli). March (Polffiet-Frémaux). 2.0—Shipping.

2.2—Saenen (Violin) and Mme. Scapus-Van Dommelen (Pfte.). Sonata (Tartini). Sonata in A (Brahms).

2.30—Excerpts, "Fidelio" (Beethoven) from the Royal Flemish Opera, Antwerp. 4.0—Records. 4.15—League of Nations Talk. 4.30—Records. 5.0—Constantin Orchestra.

6.0—Talk. 6.15—Records: "Les Erynnies" (Massenet). 6.45—Book Review.

7.0—Debussy Records. Sirènes. La mer. 7.30—Film and Wireless Review.

8.0—Austrian Folk Music from Vienna. 8.40—Record. 8.45—Recitations. 9.0—Station Dance Band. 10.0—News. 10.10—Dance Music by Julien Mortier and his Boys.

11.0-12.0 m't—Records: Phaeton (Saint-Saëns). Roussillon (Potpourri (Ripoll)). La procession nocturne (Rabaud). Chopiniana (Glazunov). Scherzo, "A Midsummer Night's Dream" (Mendelssohn). Night on the Bare Mountain (Mussorgsky).

11.0-12.0 m't—Records: Phaeton (Saint-Saëns). Roussillon (Potpourri (Ripoll)). La procession nocturne (Rabaud). Chopiniana (Glazunov). Scherzo, "A Midsummer Night's Dream" (Mendelssohn). Night on the Bare Mountain (Mussorgsky).

BUCHAREST (Romania)

823 kc/s (364.5 m.); 12 kW.

Relayed by Radio-Romania (Brasov), 160 kc/s (1,875 m.). Transmits at intervals from 10.30 a.m. 4.0—Military Music. 5.0—Talk.

5.15—Radio Orchestra. Conductor: Rogalsky. 6.0—News; Tourist Report. 6.15—Orchestra (contd.). 6.50—Talk. 7.10—Dance Music. 8.30—News. 8.45—Sibiceno Orchestra. 10.0-11.0—Marco Orchestra.

10.0-11.0—Marco Orchestra.

BUDAPEST (No. 1) (Hungary)

546 kc/s (549.5 m.); 120 kW.

9.20 a.m.—Talks. 11.5—Feri Járóka Cigány Band. In the interval at 11.30: News. 12.20 p.m.—Weather. 12.30—Records. 1.40—Markets. 3.10—Fairy Tale. 3.45—Weather. 4.0—Greetings.

4.30—Szervanszky Orchestra. 5.45—Talk on Chile. 6.15—Imre Palló (Songs). 6.50—Reading.

7.25—See Vienna. 8.45—News. 9.10—Sandor Bura Cigány Band from the Hotel Metropole. 9.40—Mandits Jazz Band from the Café Ostende. 10.10—Béla Kiss Cigány Band from the Hotel Gellert. 10.35—Gutenberg Jazz Band from the Hotel Dunapalota. 11.5—News.

BUDAPEST (No. 2) (Hungary)

359.5 kc/s (834.5 m.); 20 kW.

4.0 p.m.—Greetings. 5.10—For Farmers. 6.20—Talk: Kálmán Mikszáth. 7.20—Records.

COLOGNE (Germany)

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

5.0 a.m.—Hymn; Gym. 5.30-7.0—See Breslau. 7.0—Announcements. 7.10—Gym for Women. 9.0—News. 9.15—See Breslau. 9.45—For Children. 10.15-10.25—Sports Talk.

11.0—See Stuttgart. In the interval at 12.0 noon, News; Greetings. 1.0 p.m.—News.

1.15—Variety from Deutschlandsender. 2.0-2.30—Fairy Tales. 2.45—Markets.

3.0—Variety. Station Orchestra and Soloists. Conductor: Kühn. 5.0—See Berlin.

5.15—Variety. Quintet, Hermann Fassbender and Paul Maul (Pfte. Duo) and Kurt Ehrhardt (Speaker). 6.50—Snapshots. 7.0—News. 7.10—See Stuttgart. 9.0—News. 9.20—Talk from Dortmund.

9.35-11.0—Light Music from Leipzig.

DEUTSCHLANDSENDER

(Germany)

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

5.0 a.m.—Chimes; Motto; Hymn. 5.10—Gym. 5.30—Light Music. In the interval at 6.0: News. 7.30—Hinze Band. 8.0—To be announced.

PRINCIPAL EVENTS

SYMPHONY CONCERTS

4.30 Paris (PTT), Strasbourg: Padeloup.
5.15 Eiffel Tower: Brahms double concerto.
7.30 Athlone: Dublin Philharmonic.

LIGHT CONCERTS

12.15 Radio-Paris: Variety concert.
2.0 Kalundborg: Radio orchestra.
3.0 Cologne, etc.: Variety concert.
3.30 Swiss stations: Puccini programme.
5.0 Brussels 2: Constantin orchestra.
5.15 Brussels 1: Russian folk-music.
6.10 Vienna: Godwin Orchestra.
6.30 Stockholm: Old dances.
7.0 Sottens: Orchestra, singers.
7.0 Warsaw: Orchestra, songs.
7.10 Berlin: Orchestra, song, pftes.
7.25 Vienna, Budapest 1, Hilversum (1,875 m.): Austrian folk-songs.
8.15 Oslo: Popular orchestral.
8.30 Paris (PTT): National Orchestra.
8.30 Strasbourg: Choral and orchestral.
9.0 Warsaw: Operetta music.
9.30 Leipzig, etc.: "To-morrow is Sunday."
10.0 Bucharest: Marco Orchestra.
11.0 Brussels 2: Gramophone concert.
11.15 Radio-Paris: Light music.
11.20 Vienna: Cigány band.

OPERAS

7.10 Munich, etc.: Verdi excerpts.
7.35 Rome: "A Masked Ball" (Verdi).
8.45 Radio-Paris: "Rolande" (Rabaud).

OPERETTA

7.10 Leipzig, etc.: "Die grosse Sünderin."
6.0 Munich: Sonata, quintet, etc.
10.10 Brussels 1: Quartets (Prokofiev, Debussy).

CHAMBER MUSIC

5.45 Athlone: St. Brigid's programme.
6.35 Sottens: Widor organ music.
7.30 Oslo: Russian folk music.

RECITALS

8.0 Radio-Paris: Festival songs.
9.0 Hilversum (1,875 m.): Organ, men's choir.

PLAYS

7.15 Stockholm: "Dr. Abernethy."
8.30 Eiffel Tower: "Oedipus Rex."

LAST NEWS BULLETINS

For Schedule, see Monday.

DANCE MUSIC

9.0 Brussels 2, Poste Parisien, Stockholm; 9.15, Beromünster; 9.30, Berlin; 10.0, Deutschlandsender, Kalundborg, Munich; 10.5, Warsaw; 10.35, Budapest 1; 10.45, Paris (PTT), Radio-Paris; 11.0, Brussels 1, Hamburg, Strasbourg; 12.0, Radio-Normandie.

MISCELLANEOUS

2.35 Athlone: Scotland v. Wales.
9.0 Brussels 1: Music Hall.

8.45—Announcements. 8.55—Exchange. 9.0—Chimes; Weather.

9.5—Station Orchestra. Pasodoble, Suspiros de España (Alvarez). Románcos (Torrens). 9.15—Orchestra and Algará (Songs).

9.45—Station Orchestra. Intermezzo, Barbarina (Lindsay). Clavellitos (Valverde). 10.5—News.

10.20—Albeniz Concert. Station Orchestra. Malagueña. Minuet. Córdoba. Zambra. Mallorca. Selection, "Pepita gimenez." Castilla. In the interval at 10.30: Talk. 11.5—Records. 12.0 m't.—News.

BERLIN (Germany)

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

5.0 a.m.—Greeting; Hymn; Motto. 5.10—Gym.

5.30-7.0—See Breslau. 7.0—Gym. 7.20—Morning Echoes. 7.30—Wind Band. Conductor: Klesant. 8.30—Gym. 9.0—Weather; Markets. 9.15—"Jahn, the Gymnastics Pioneer"—Play (Prügel). 9.45-10.0—For Girls.

11.0—See Stuttgart. In the interval at 12.0 noon: Midday Echoes. 1.0 p.m.—News.

1.15—Light Music by the Hans Bund Band. Spanish March, Conchita (Santeugini). Intermezzo amoroso (Nevin). Lilalou (Kirchstein). Caravans (Mohr). She wore a Little Jacket of Blue (Fischer). Tango-Serenade (Hasenpflug). Alsatian Peasant Dances (Merkling). Slow Waltz, Ich spür in mir (Kreuder). Finale from the Carnival Suite (Schmalstich). 2.0—Exchange; Markets. 2.30—For Young People. 2.55—Call of Youth.

3.0—See Cologne. 5.0—Report: The Seventh International Riding and Driving Tournament.

5.15—Riebensähm (Pfte.). Masurat (Violin) and Schrader (Cello). Sonata in E minor for Pfte. and Violin (Mozart). Trio (Smetana).

11.40—See Sottens. 12.10 p.m.—To be announced. 12.25—Weather; Exchange; Weekly Parliamentary Review. 12.45—Records. 1.0-1.30—Book Review. 3.0—Accordion Trio. 3.30—See Monte Ceneri.

5.0—Yodels; Records. 5.30—Talk in Dialect. 6.0—Chimes. 6.15—Weather; Markets. 6.20—Talk: Training Children to Work.

6.50—Dialect Programme: Talks and Songs. 8.0—News.

8.10—"The Blue Danube"—Musical Play (Rostovsky). 9.15—Dance Music. 9.45-10.0—Weekly Parliamentary Review.

BRATISLAVA

(Czechoslovakia)

1,004 kc/s (298.8 m.); 13.5 kW. Transmits at intervals from 5.15 a.m. 8.0 p.m.—"Ten Maids and No Man"—One Act Operetta (Suppé). Conductor: Dyk. 9.0—See Prague. 9.15—News (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.—Orchestra. 5.0—Song; Motto; Gym.

5.30-7.0—Light Music. In the interval at 6.0: News.

7.30—See Berlin. 8.30—Topical. 9.15—"Frederick the Great"—Scenes (Fritsche-Kröger). 9.45-10.15—For Children. 10.30—Water Level.

11.0—Station Orchestra. Conductor: Rischka. In the interval at 12.0 noon: News. 1.0 p.m.—News; Exchange; Greetings.

1.10—Variety from Deutschlandsender. 2.0—Markets. 2.10—Review of Periodicals.

2.30—Hans Andersch (Pfte.). Rhapsody (Dohnanyi). Echoes from Spain (Albeniz). Austrian Dances (Bitten). 2.50—Reading.

REGIONAL

For Time Signals, see Monday

Programmes, revised in view of the National Mourning, will be announced by microphone and otherwise

8.40-9.0—Gym. 9.15—See Hamburg. 9.45—For Children. 10.15—Weather. 10.30—Science Talk. 10.40—For Farmers; Weather. 11.0—Orchestra from Saarbrücken. Conductor: Jung. Stanek (Violin). Overture, "Euryanthe" (Weber). Introduction, Minuet and March from the Orchestral Suite Op. 2 (Jung). Violin Concerto in D (Paganini). Overture, "The Queen's Kerchief" (Strauss). Concert Waltz in D (Glazunov). Festival Polonaise (Svendsen). Waltz, Wo die Zitronen blüh'n (Strauss). In the interval at 11.55: Time; at 12.0 noon: Greetings. 12.45 p.m.—News. 1.0—Variety. 2.0—Weather; Exchange; Programme Announcements. 2.10—Mozart Recital. 2.30—Industrial Review. 2.45—For Workers. 3.0—See Cologne. 5.0—Folk Songs and Dances—Libzowski Band and Carl de Vogt. 5.45—Report on Records: The Seventh International Riding and Driving Tournament. 6.0—Records; Woitschach Band. 6.45—Topical Discussion. 7.0—Motto; Weather; Announcements. 7.10—See Munich. 9.0—News; Sports; Announcements. 9.30—Serenade—Strincez (Bass). 9.45—Weather. 10.0-11.55—Dance Music—Gaden Band and Accordionists.

FRANKFURT (Germany)

1,195 kc/s (251 m.); 25 kW. Relayed by Cassel, Coblenz, Freiburg, Kaiserslautern and Trier, 1,195 kc/s (251 m.). 5.0 a.m.—Hymn; Motto; Gym. 5.30—See Breslau. 7.0—Weather. 7.10-7.30—Gym. 7.45-8.0—For Young People. 9.15-9.45—See Breslau. 10.0—For Housewives. 10.15-10.30—Announcements. 10.45—Report; Situations Vacant. 11.0—See Stuttgart. 1.0 p.m.—News. 1.10—Variety from Deutschlandsender. 2.0—Weekly Industrial Review. 2.15—Hitler Youth Play. 3.0—See Cologne. 5.0—With Flying Colours—National Songs. 5.20—Surprise Programme. 5.30—The Roving Microphone. 5.40—Weekly Review. 5.55—Announcements. 6.0—Military Band. Conductor: Föhrlig. March. Festival Overture (Suppé). Stephanie Gavotte (Czibulka). Venus Waltz (Lincke). Match (Blankenburg). Six Marches. 6.55—Call of Youth. 7.0—News. 7.10—See Leipzig. 9.0—News. 9.30—See Leipzig. 11.0-1.0 a.m. (Sunday)—See Stuttgart.

HAMBURG (Germany)

904 kc/s (331.9 m.); 100 kW. Relayed by Bremen, Flensburg, Hannover, Magdeburg and Stettin, 1,330 kc/s (225.6 m.). 5.0 a.m.—Motto; Gym. 5.25—Weather. 5.30-7.0—See Breslau. 7.0-7.15—For Housewives. 9.15—'Befehl ist ausgeführt'—Sketch (Kluke). 9.50—Light Music. Symphony Orchestra. Conductor: von Sosen. 10.50—Ice Report. 11.0—Weather; Shipping. 11.10—Concert from Stuttgart. In the interval at 12.0 noon—Weather and Mid-day Review. 1.0 p.m.—News. 1.20—Musical Interlude. 2.0—Handwork for Children. 2.20—Exchange. 2.40—Shipping; Ice Report. 3.0—See Cologne. 5.0—See Berlin. 5.15—Songs and Dances. 5.30—Talk; National Defence. 5.50—Weather. 6.0—Variety. 6.45—Wireless Review. 7.0—News. 7.10—Dance Music Station Dance Band and Soloists. Conductor: Gebhardt. 9.0—News. 9.25—Sports Review. 9.40—Musical Interlude. 10.0—Light Music from Leipzig. 11.0-12.0 m.—Jörg Zinne Dance Band.

HILVERSUM (1,875 m.)

(Holland) 160 kc/s; 10 kW until 2.40 p.m., 100 kW from 2.40 p.m. V.A.R.A. Programme. 7.40 a.m.—Records. 9.40—V.P.R.O. Religious Programme. 9.55—de Klijin (Violin). Schoute (Pfte.) and Records. 11.40-1.25 p.m.—Favorit Trio. 1.40—Records. 2.0—Sigrid Sundgren-Schnevoigt (Pfte.). 2.25—Talks. 3.25—Records. 3.55—Orchestra. V.A.R.A. Dramatic Ensemble and Soloists. Conductor: v.d. Horst. 5.20—Literary Talk. 5.40—Records. 6.10—Eperanto Programme. 6.25—V.R.O. Programme. 7.25—See Vienna. 8.40—News. 9.0—Foort (Organ), and a Male Voice Choir. 9.40—Talk. 9.50—Report; News. 10.25-11.40—Records.

HILVERSUM (301.5 m.)

(Holland) 995 kc/s; 15 kW until 2.40 p.m., and 60 kW from 2.40 p.m. K.R.O. Programme. 7.40-8.55 a.m.—Records. 9.40—Records. 10.10—Concert. 10.40—Records. 11.10—Religious Address. 11.40—Police Messages; Records. 12.40 p.m.—K.R.O. Orchestra. Conductor: v. 't Woud. 1.30—Records. 1.40—For Young People. 2.10—Sports. 2.40—For Children. 3.40—Jewish Programme. 4.40—Records. 5.10—K.R.O. Orchestra. Conductor: v. 't Woud. 6.0—Review. 6.25—Records; Announcements; Talk; Recitations. 7.50—Report. 8.5—K.R.O. Boys. Conductor: Lustenhouwer. 8.20—Talk. 8.25—'The Jungle Serenaders'. 8.35—K.R.O. Melodists. Conductor: Lustenhouwer. 9.10—Vredsbregt (Accordion). 9.20—Serenaders (contd.). 9.30—Recitation. 9.45—K.R.O. Orchestra. Conductor: v. 't Woud. 10.10—Announcements. 10.15—Accordion (contd.). 10.25—Orchestra (contd.). 10.45-11.40—Records.

KALUNDBORG (Denmark)

238 kc/s (1,261 m.); 60 kW. Relayed by Copenhagen, 1,176 kc/s (255.1 m.). 6.0 a.m.—Gym. 7.30—Service. 10.10—Fish Prices. 11.0-1.0 p.m.—Magnussen String Ensemble. 1.40—'Evening in Song'—Recital by Soren Stein. Til Aftenklokken (Bendix). En Rand af diset Hede (Lange-Müller). Ved Solnedgang (Lange-Müller). Solnedgang (Nielsen). Im Abendrot (Schubert). Abends am Strand (Schumann).



A recent picture from Murrayfield (Scotland v. New Zealand), whence to-day's match is relayed by Athlone, etc., at 2.35 p.m.

2.0—Radio Orchestra. Conductor: Grøndahl. Prelude, "Hansel and Gretel" (Humperdinck). Polonaise (Schubert). Selection, "La vic parisienne" (Offenbach). Alt-Wiener-Reigen (Strauss). Rhapsody on old Danish Sailor Songs (Grøndahl). Waltz, "From Siberia to Moscow" (Møller). Tatoo (Jensen). 3.0—Commentary on the International Tennis Championship—Men's Doubles Final; Records. 4.35—Exchange; Markets. 4.45—Poem. 4.50—For Housewives. 5.20—French Lesson. 6.0—News. 6.30—Talk: Returning from Abroad. 7.0—Review by Per Knutzen. 7.10—Jørgensen (Viola); Jensen (Pfte.). Märchenbilder (Schumann). Larghetto (Nardini). 7.30—Gandrup reads. 7.50—Chopin Waltzes by Esther Wagnin (Pfte.). Waltzes in C sharp minor, A flat major, A minor and E minor. 8.5—Bellman Songs dedicated to Ulla Winblad by Gildsig (Songs to the Lute). Till Ulla i förstret på Fiskartorpet middagstiden en sommandag. Angående Ulla Winblads lustresa till Första Torpet, utom Kattrumstullen, Om Mullbergoson dansmästare. Oförmodat avsked förkunnat vid Ulla Winblads frukost en sommandag i det gröna. 8.25—For Young People. 8.35—Stangerup (Marimba). 8.50—News. 9.5—Radio Orchestra. Conductor: Reesen. Overture, "Le cheval de bronze" (Auber). Intermezzo, "Cavalleria rusticana" (Mascagni). Selection, "Bitter Sweet" (Coward). Intermezzo (Finck). Chant sans paroles (Tchaikovsky). Entry March of the Boyards (Halvorsen). 10.0-11.15—Report from the Forum: The Six Days' Race; Petersen Dance Band.

KÖNIGSBERG (Heilsberg)

(Germany) 1,031 kc/s (291 m.); 100 kW. Relayed by Danzig, 1,303 kc/s (230.2 m.). 5.3 a.m.—Weather; Gym. 5.30—

See Breslau. 7.0—Prayer. 7.15—Gym. 7.40-8.30—Wind Band from Berlin. 9.15—See Breslau. 9.45—Weather. 10.30—Reading. 10.55—Weather. 11.0—See Stuttgart. In the interval at 12.0 noon, Time; News. 1.0 p.m.—News. 1.15—The Cosy Corner. 2.0—Markets. 2.10—For Children. 2.35—Red Letter Days. 2.45—Review of the Hitler Youth Periodicals. 3.0—See Cologne. 5.0—"February"—Sequence (Bartels), Music by a Peasant Band. 5.30—Fritz Bremer (Organ). Trio Sonata (Bach). Toccata on "Wie schön leuchtet der Morgenstern" (Kaminski). 5.55—Soldier Songs. Choir, Conductor: Büttner. Hans Eggert (Baritone). Es ritten drei Reiter zum Tore hinaus. Reiters Abschied. Songs (Schumann); Baritone: (a) Es geht bei gedämpfter Trommelklang, (b) Hauptmann Weib, (c) Die beiden Grenadiere. Musketier sind lust'ge Brüder. Lippe Detmold, eine wunderschöne Stadt. Baritone: (a) Tambourliedchen (Brahms), (b) Es blasen die blauen Husaren (Wolf), (c) Reiterlied (Koenekamp). Schön blüht die Heckenrosen. Kapitän und Leutnant. 6.30—For Ex-Servicemen. 7.0—News. 7.10—See Hamburg. 9.0—News. 9.20—See Berlin. 9.30—Report: The Ice-Yachting Regatta in Cranz. 9.50-11.0—Light Music from Leipzig.

LEIPZIG (Germany)

785 kc/s (382.2 m.); 120 kW. Relayed by Dresden, 1,285 kc/s (233.5 m.). 5.0 a.m.—Hymn; Motto; Gym.

5.30-7.0—See Breslau. 7.0—Gym. 7.20—For Housewives. 7.30-8.30—See Berlin. 8.50—Exchange. 9.0—Announcements. 9.15-9.45—See Breslau. 10.45—For Farmers. 11.0—See Stuttgart. In the interval at 12.0 noon: News. 1.0 p.m.—News; Exchange. 1.15—Variety from Deutschlandsender. 2.0—Anniversaries. 2.5—Book Review. 2.25—For Children. 2.50—Markets. 3.0—See Cologne. 5.0—See Berlin. 5.15—"The Thorhall Saga"—Sequence (Barbara Jolles). 5.40—Theodor Blumer and Friedbert Sammler (Two Pftes.). 6.10—"Snow"—Sequence about the Joys and Pains of Winter (Drescher). 6.50—Evening Review. 7.0—News. 7.10—"Die große Sünnerin"—Operetta in Three Acts (Künneke). Station Symphony Orchestra and Choir. Conductor: Kretzschmar. 9.0—News. 9.20—See Berlin. 9.30-11.0—"To-morrow is Sunday." Charlotte Gleisberg and the Station Orchestra. Conductor: Schröder.

LILLE (Radio PTT Nord)

(France) 1,213 kc/s (247.3 m.); 60 kW. Transmits at intervals from 6.50 a.m. 6.0 p.m.—Records. 6.30—Topical Reviews. 7.30—Records. 7.45—For Housewives. 8.0—Sports Notes. 8.10—Records. 8.30—Station Orchestra. Conductor: Soret. Claude Sandrée (Soprano). Chabraud (Tenor). Overture, "Il Guarany" (Gomez). Suite No. 2 (Guiraud). Waltz, "Der Rosenkavalier" (Strauss). Soprano: Fête polonaise, "Le Roi malgré lui" (Chabrier). Selection, "The Three Musketeers" (Friml). Suite No. 2, "Namouna" (Lalo). Tenor Arias, "Miss Decima" (Audran). Nocturne (Nougues). In a Monastery Garden (Ketyberg). Selection, "L'Africaine" (Meyerbeer). Wedding Procession (Grieg). French Serenade (Grieg). Wedding Day on Troidhaugen (Grieg). Il court, il

court le furet (Wachs). Pasodoble, La Peinadora (Balta). 10.30—News.

MADRID (EAJ7) (Spain)

1,095 kc/s (274 m.); 10 kW. Transmits at intervals from 8.0 a.m. 6.0 p.m.—Announcements; Light Music. 7.0—News; Exchange; Records. 8.15—News. 8.30 (approx.)—Dance Music. 9.0—Economics. 9.15—Station Sextet. 10.0—Chimes. 10.5—News. 10.20 (approx.)—1.0 a.m. (Sunday)—Relay from a Theatre. In the interval at 11.45, News.

MONTE CENERI (Switzerland)

1,167 kc/s (257.1 m.); 15 kW. 11.0 a.m.—Announcements. 11.5—Radio Orchestra. Conductor: Herschel. Overture, "Der Bettelstudent" (Müllöcker). Waltz (Philipp). Selection, "The Pearl Fishers" (Bizet). 11.30—News. 11.40—See Sottens. 12.10 p.m.—Records. 12.45-1.0—For Housewives. 3.30—Puccini Concert. Radio Orchestra. Conductor: Casella. Selection, "Le Villi." Prelude to Act III, "Edgar." Intermezzo from Act III, "Manon Lescaut." Selection, "La Bohème." Selection, "Madame Butterfly." Intermezzo, "Suor Angelica." Invocation to the Moon, "Turandot." 4.15—Talk: Alberto Cerro. 4.25—Vocal Quartet. Conductor: Vicaro. I Campana da Bellinzona (Mantegazzi). La canzon di maestra (Vicari-Glauco). 4.30-5.0—Light Music by the "Three Minstrels". 6.0—Soloist Records. 6.15—Weekly

SATURDAY (February 1)

(Brahms). Variations for Pfte. Trio on the Song, Ich bin der Schneider Kakadu (Beethoven). 7.0—News. 7.10—Verdi Opera Music. Station Orchestra and Choir; Elisabeth Hallstein (Coloratura - Soprano), Marta Martensen (Soprano), Elisabeth Waldenau (Contralto), Marius Andersen (Tenor), Günther Baum (Baritone) and Josef Greindl (Bass). Conductor: Winter. 9.0—News. 9.20—To be announced. 10.0-11.0—Station Dance Band.

OSLO (Norway)

260 kc/s (1,153.8 m.); 60 kW. Relayed by Fredrikstad, 776 kc/s (386.6 m.); Hamar, 519 kc/s (578 m.); Norddalen, 1,357 kc/s (221.1 m.); Porsgrund, 850 kc/s (352.9 m.); Rjukan, 1,348 kc/s (222.6 m.); and Trondelag, 629 kc/s (476.9 m.). Transmits at intervals from 10.30 a.m. 4.0 p.m.—Records. 5.0—For Children. 5.35—Talk: Economics. 5.55—News. 6.30—Old Dances. 7.0—Talk. 7.30—Russian Folk Music. Balalaika Orchestra and Choir. 8.5—Medical Talk. 8.15-10.0—Station Orchestra. Conductor: Kramm. Selection: "Faust" (Gounod). International Suite (Tchaikovsky). A Village Wedding (Söderman). Selection, "Grandioso" (Kálmán). In the interval at 8.35: News; Topical.

PARIS (Eiffel Tower) (France)

1,456 kc/s (206 m.); 20 kW. Transmits at intervals from 8.0 a.m. 5.0 p.m.—Records. 5.15—Poulet Concert Orchestra from the Salle Rameau. Conductor: Cloez. Fournier Brothers (Violin and Cello). René Maison (Tenor). Madrigal (Monteverde-Malipiero). Double Concerto for Violin and Cello (Brahms). Invocation to Nature, "The Damnation of Faust" (Berlioz). La mer (Debussy). Divertissement sur un thème pastoral (Pierné). 7.15—Weather; Racing. 7.25—Foreign Affairs; 7.45—Music Talk. 8.0—Home Affairs. 8.30—"Oedipus Rex"—Tragedy (Sophocles).

PARIS (Poste Parisien) (France)

959 kc/s (312.8 m.); 60 kW. 7.10 a.m.—Fanfare; Records. In the intervals at 7.30 and 8.30: News, and at 8.55: Cookery Talk. 12.0 noon—Exchange. 12.5 p.m.—Records. 12.25—An Interview. 12.35—Station Orchestra. 12.45—Light Music. 1.10—Orchestra. Viennese Waltz, "Toujours Vienne (Léoni). Selection, "The Song of Happiness" (Lehar). 1.30—Exchange. 1.38—Orchestra "The Passing Show" (Finck). Zambra (Sentis). 2.0—For Girls. 3.0—To be announced. 3.45—Exchange. 6.0—Literary Programme. 6.15—Exchange. 6.20—Roman Catholic Address. 6.40—Talk. 6.47—Review of Foreign Affairs. 7.2—Records. 7.5—Sports Talk. 7.10—News. 7.25—Amusement Guide. 7.28—Topical Talk. 7.35—"Clowns"—Records. 7.50—Records of Alina de Silva. 8.15—Programme by Bach and Laverne, Jeambian and Jeanne Jehano. 8.30—Records. 9.0—Dance Music. 9.35—Talk by Paul Reboux. 10.30—Saturday Night Music Hall. 11.0—Advance Film News. 11.15-11.30—Song and Dance Programme.

PARIS (PTT) (France)

695 kc/s (431.7 m.); 120 kW. 6.50 a.m.—News. 7.40—Review of Periodicals. 8.0—News. 8.40—Aviation. 9.0—News. 9.40—Review. 11.0—Concert. 11.50—Markets; Weather. 12.0 noon—Tourist Report. 12.15-1.45 p.m.—Concert. In the interval at 12.30: Exchange, and at 1.15: Exchange; News. 1.45—Tourist Report. 2.30—Variety Mills and Chaubert (Duets), Roland Charmy (Violin), Gordon and Daragon (Songs) and the Deprince Orchestra, and Mme. Beaudoin and Company. In the interval: "Seul"—Sketch (Duvernois). 4.0—Literary Programme. 4.20—Talk on the following Transmission. 4.30—Pasdeloup Concert. Conductor: Magnani. Symphony in E flat (Mozart). Prelude and Death of Isolda (Wagner). Overture, "Oberon" (Weber). Prelude, "La Habañera" (Laparra). Two Nocturnes (Debussy). Overture, "Semiramis" (Rossini). 6.30—Topical. 7.38—Composers at the Microphone—Light Music. 8.0—

SATURDAY (February 1)

Literary Review. 8.10—Film Review. 8.20—Talk: The Wines of France in Folklore. 8.30—National Orchestra. Conductor: Desormiere. Mme. Turba Rabier (Songs) and Dufrenne (Flute). Suite in B minor (Bach). Voice, Orchestra and Flute: Allegro del Penseroso (Handel) Symphony in F sharp minor (Haydn). Norwegian Melody for Strings (Grieg). Song: Amour et Grammaire (Passani). The Nightingale (Stravinsky). In the interval: The Event of the Day; Assurance Societies' Report. 10.30—News. 10.45—Dance Music—Locatelli 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. 7.45—Gym. 8.0—Records. 11.0—Orchestra. Conductor: Vuillemoz. Divertissement on Russian Songs (Rabaud). The Seasons (Tchaikovsky). 12.0 noon—Talk for Farmers. 12.15 p.m.—Orchestra. Conductor: Vuillemoz. Jeanne Andral (Songs). Soirs (Schmitt). Valse romantique (de Séverac). Serenata (Albeniz). Suite variée (Pierne). Songs: (a) Vergeblisches Ständchen (Brahms), (b) Le Pâtre (Savarez), (c) Au seuil de l'église (Gallois), (d) Song (Philippot), (e) Coucou Jeannette (Zimmermann). Histoires (Ibert). Scènes municipales (Tomasini). Suite, "Coppélia" (Delibes). In the interval: 2.0—Science Talk. 2.10—Talk. 2.30—Records. 3.0—For Children. 4.0—Pascal Orchestra. La voix des cloches (Aubry). Le Coucou (Daquin). Rose d'Isphahan (Fauré). Rigaudon, "Dardanus" (Rameau). La fille aux cheveux de lin (Debussy). L'île heureuse (Chabrier). Meditation, "Thais" (Massenet). Guitare (Lalo). La veillée de l'ange gardien (Pierne). Valse (Durand). Le cygne (Saint-Saëns). Habanera (Chabrier).

5.0—Literary Review. 5.15—Colonial Talk: Senegal. 5.30—Opera Records. 6.0—Art Talks. 6.30—Song Records. 7.15—Talk. 7.30—Science Talk. 7.45—Talk: An English Traveller in Bourbonnais and Auvergne in 1789. 8.0—"Fête Days of the Year"—Alice Tiecier and the "Accord Pariait" Vocal Quartet. New Year Songs. Easter Song. May Songs. St. John's Eve Songs. Harvest Festival Songs. Vine Harvest Festival Songs. Christmas Carols. 8.30—Press Review. 8.45—Concert Version, "Rolande et le mauvais garçon"—Five-Act Opera (Rabaud). Orchestra, Choir and Soloists. Conductor: Bigot. 10.45—Dance Music—Andolfi Orchestra. 11.15-12.15 a.m. (Sunday)—Light Music—Andolfi Orchestra.

PRAGUE (Czechoslovakia)

638 kc/s (470.2 m.); 120 kW. Transmits at intervals from 5.15 a.m. 12.30 p.m.—Talk: Exports. 12.40—Records. 12.50—Exchange and Weather (German). 2.0—Orchestra. 3.0—Weather. 3.5—Dvorsky Dance Band. 3.50—Talk and Reading: "The Prince"—Tragedy (Dvorak). 4.15—Educational Programme. 4.35—For Farmers. 4.45—For Workers. 4.55—German Transmission: A Capella Songs (Palestrina, Rosenmüller, Schein, Othmayr, Senfl, Brant and Le Maître), by the German Folk Ensemble; "The Marriage Market"—Play (Scholz). 5.45—News. 5.55—Records. 6.0—News; Review of Politics and Economics. 6.15—See Brno. 7.0—Talk: The Earth. 7.15—Variety. 8.0—See Bratislava. 9.0—News. 9.15—Records. 9.30-10.30—Prague Salon Orchestra. Overture, "Czar and Carpenter" (Lortzing). Wedding Waltz (Moor). Suite, "The Sleeping Beauty" (Tchaikovsky). Divertissement (Portet). Selection, "Gloriana" (Friml). March of the Grenadiers (Paul).

RADIO-NORMANDIE (France)

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

Records. 8.30—Dance Music. 8.45—Records. 9.0—Light Music. 9.15—Songs and Dances. 9.30—Light Music. 9.45—Waltzes. 10.0—Orchestra. 11.0—Chansonnettes. 12.0 noon—Solos. 12.30 p.m.—Popular Music. In the interval at 12.45: News. 3.30—Orchestra. 4.0—Tea-Time Hour. 4.45—Children's Corner. 5.0—Time; Dance Music. 5.15—Russian Music. 5.30—Songs. 6.0—For Children. 6.45—News.

7.0—Popular Music. Song, "Rose-Marie" (Friml). Excerpt, "Monsieur Beaucaire" (Messager). -Peviens au village (de Buxeuil). Poilu Songs. Si vous l'avez compris (Denza). Cavalry Fanfares. Z'allo z'allo (Bach-Laverne). A la cantine (Heintz). Air, "Thais" (Massenet). The Star-spangled Banner (Chour). In the interval at 7.45: An Interview; News. 8.15—Records.

9.0—Popular Programme. 11.0—Light Music. 11.30—News. 11.40—Light Music. 12.0 m't-2.0 a.m. (Sunday)—Dance Music. In the interval at 12.30: Time.

Hamburg's

"Youth Group,"

which contributes frequently to the programmes



RADIO-ROMANIA (Brasov) (Romania)

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

ROME (Italy)

713 kc/s (420.8 m.); 50 kW. Relayed by Naples, 1,104 kc/s (271.7 m.); Bari (No. 1), 1,059 kc/s (283.3 m.); Bari (No. 2), Milan (No. 2) and Turin (No. 2), 1,357 kc/s (221.1 m.). 6.45 a.m.—Gym. 7.0—News; Markets. 9.30-10.0—For Schools. 11.15—Records. 11.45—Announcements; News. 12.0 noon—Announcements; Light Music. 12.10 p.m.—Records: Orchestral Music. 12.35—Mottarello in search of an Author. 12.50—News. 1.0—Tourist Talk; Exchange. 1.15-2.0—Music Talks. 3.20—For Workers. 3.35—For Children. 4.0—News; Exchange; Lottery Results. 4.15—Madam! Plucked-String Quartet. 4.55—Snow Report. 5.0—Corn Prices. 5.10—For Farmers. 5.50—Announcements; News (Espéranto). 6.0—Announcements; Tourist Talk (Espéranto). 6.20—News (English, French). 7.5—Announcements; Sports; News; Lottery Results. 7.35—"A Masked Ball"—Four-Act Opera (Verdi) from the Teatro Reale. Conductor: Serafin. Cast: Beniamino Gigli, Armando Borgioli, Gina Cigna, Gilda Alfano, Liana Grani, Romano Rasponi, Giulio Tomei and Bruno Sbakhiero. In the intervals: Book Talk; News. 10.0 (approx.)—News.

SOTTENS (Switzerland)

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

11.29 a.m.—Time. 11.30—News. 11.40—Radio Suisse romande Orchestra. Overture, "The Merry Wives of Windsor" (Nicolai). Humoresque (Dvorak). Suite, Offenbachiana (Conradi).

12.10-1.0 p.m.—Records. 3.29—Time. 3.30-5.0—See Monte Ceneri. 5.0—Chimes. 5.15—Records; Dances. 6.0—Talk: The Theatre in Paris. 6.20—Records; Chamber Music. 6.35—Symphony No. 5 (Widor) by Alfred Piaget (Organ). 6.59—Weather. 7.0—Radio Suisse romande Orchestra. Conductor: Haug. The Swiss Singers. In the interval at 8.20: News. 8.59—Weather. 9.0-10.0—Light Music.

STOCKHOLM (Sweden)

704 kc/s (426.1 m.); 55 kW. Relayed by Motala, 216 kc/s (1,389 m.); Göteborg, 941 kc/s (318.8 m.); Hörby, 1,131 kc/s (265.3 m.); and Boden, 392 kc/s (765 m.). Transmits at intervals from 6.20 a.m.

1.0 p.m.—Military Band. Conductor: Olsson. Swedish Rhapsody (Alfvén). Invitation to the Dance (Weber). Melody (Olsson). Potpourri of Finnish Folk Songs. Selection, "A Masked Ball" (Verdi).

2.0—Talk: Gothland Dialects. 2.30 (from Göteborg)—Greta Svedberg (Pfte.), Järnberg (Violin) and Fridell (Cello). Trio Sonata in B Flat (Schubert). Violin Sonata (Handel). Cello: (a) Andante (Haydn-Popper), (b) Gavotte (Méhul), (c) Mazurka (Neruda). Pfte.: (a) Rondo (Weber), (b) Persian March (Strauss-Grünfeld).

3.15—Reading. 3.45—Folk Songs by Agn Gintel. 4.0—Weather. 4.5—Reading (Westerlund). 4.30—Records. 5.30—Variety. 6.15—News.

semble; and Maria Gründgens. In the interval from 12.0 noon-12.15 p.m.: News.

1.0—See Deutschlandsender. 2.0—For Hitler Youth. Report; Call of Youth.

3.0—See Cologne. 5.0—Weekly Sound News. 5.30—Variety.

6.0—See Frankfurt. 7.0—News. 7.10—Variety from Offenburg. 9.0—News.

9.20—See Berlin.

9.30—See Leipzig.

11.0-1.0 a.m. (Sunday)—Serenade. Willi Wende Band; and The Radio Love Birds; Max Ladewig and Wilhelm Meister (Pfte.).

TOULOUSE (Radio-Toulouse) (France)

913 kc/s (328.6 m.); 60 kW. Transmits at intervals from 8.15 a.m. 12.0 noon—Songs. 12.20 p.m.—News. 12.35—Request Music. 12.50—Markets; Amusements. 1.0—Orchestra. 1.25—Operetta Songs. 1.50—Orchestra. 1.55-2.0—News.

Snow Report. 5.0—Corn Prices; Lotteries. 5.10—For Women. 5.50—Notes; Records. 6.0—News in Foreign Languages. 7.5—Announcements; Sports. 7.15—News. 7.35—"Dollars and Gondolas"—Three-Act Operetta (De Nigris). Conductor: Petralia. In the intervals: Talk; Announcements. 10.0 (approx.)—News (Italian, Spanish).

VIENNA (Austria)

592 kc/s (506.8 m.); 100 kW. Relayed by Graz, 886 kc/s (338.6 m.); Innsbruck, 519 kc/s (578 m.); Dornbirn, Klagenfurt, Linz 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. 2.0 p.m.—News. 2.15—French Lesson. 2.50—Workers' Choir. Conductor: Human. 3.20—News; Exchange. 3.25—Reading (Rückert). 3.50—Records.

4.55—Folk Songs from the Konzert-hausaal. 5.20—Review. 5.45—Talk: The Winter Olympic Games at Garmisch-Partenkirchen. 6.0—News; Sports.

6.10—Godwin Orchestra. Godwin (Violin), Wasmuth (Pfte.). Selection, "Rose-Marie" (Friml-Benedict). Un peu d'amour (Silesu). Fare-thee-well Annabelle (Wrubel-Dixon). Somebody stole my Gal (Wood). Song (Kapeller). Minute Waltz (Chopin-Melborn). Siamesische Wachtparade (Lincke). Jubilation Rag (Bowsher). Casaloma Stomp (Gifford). Serenade (Galkine). Seguidillas (Albeniz). Hungarian Sketches (Benedict).

7.5—Report from Bad Gastein: The Austrian Skiing Championships. 7.25—Austrian Folk Music (arr. Riedinger). "Wiener Sängerknaben," Radio Section of the Vienna Symphony Orchestra, a Vocal Quartet and Soloists. Conductor: Holzer. 8.40—Film Chat. 9.0—News.

9.10—Scarlatti and Liszt—Czarni-awski (Pfte.). Part I. Scarlatti. Burlesca. Capriccio. Andantino. Tarantella. Pastorale. Sonata in A. Part II. Liszt. Paganini Etudes. Gnomenszenen. 9.50—Announcements.

10.5—Military Band. Der kleine Korporal (Legve). Overture, "The Gipsy Baron" (Strauss). Loïn du bal (Gillet). Kirchweihfest (Königs-hofer). Selection, "The Gipsy Princess" (Kálmán). Roses from the South (Strauss). Tiroler Holz-hackerbaum (Josef Wagner). In a Persian Market (Ketyelbey). Old Viennese Folk Music (Komzák). March (Tichy).

11.20-12.0 m't—Cigány Music 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.); Łódź, 1,339 kc/s (224 m.); Lwów, 795 kc/s (377.4 m.); Poznań, 868 kc/s (345.6 m.); Torun, 986 kc/s (304.3 m.); and Wilno, 536 kc/s (559.7 m.).

5.30 a.m.—Hymn; Gym. 5.50—Records. In the interval at 6.20: News. 6.50—Announcements. 7.0-7.10—For Schools. 10.57—Time. 11.0—Fare-fare, News. 11.15 (from Wilno)—For Farmers.

11.25 (from Wilno)—Chamber Orchestra. Overture, "Ilka" (Doppler). Arabesque (Phillips). Waltz, "The Girl in the Taxi" (Gilbert). Excerpt, "Fiametta" (Minkus). Dance of the Gnomes (Prager). Melody (Moszkowski).

12.0 noon—Records: Polish Music. 12.25-12.30 p.m.—For Housewives. 1.30—Orchestra. Conductor: Cyerman. Concert Polonaise (Cyerman). Overture, "Nakiris Hochzeit" (Lincke). Valse enchanteresse (Pinet). March (Lewandowski).

2.0—Reading. 2.15—Shipping. 2.20—Exchange. 2.30—Records: Light Music. 3.0—French Lesson. 3.15—Play for Children. 3.45—Community Singing. 4.0—Service from the Ostro Brama Chapel, Wilno. 4.50—Rachmaninov Records. 5.40—Book Review. 5.50—Art Notes. 5.55—Announcements. 6.35—Sports. 6.50—Topical. 7.0—Station Symphony Orchestra. Conductor: Mierzejewski. Zaleski (Bass-Baritone). 7.45—News. 7.55—Talk: Poland Today. 8.0—For Poles Abroad. 8.30—Dramatic Programme.

9.0—Operetta Potpourris. Station Orchestra—Conductor: Górzynski. Double Vocal Quartet. Marie Karwowska and Poplawski (Songs). Fortissimo (Kálmán). Stolz Operetta Potpourri (Dostal).

10.0—Weather. 10.5—Dance Records

STUTTGART (Germany)

574 kc/s (522.6 m.); 100 kW. 5.0 a.m.—Hymn; Gym. 5.30-7.0—See Breslau. 7.0—Gym. 7.30-8.30—See Berlin. 9.15-9.45—See Hamburg. 10.30—For Farmers. 11.0—Variety. Station Orchestra; Kromer Singers; Schulrabe Balalaika Orchestra; Folk Music En-

TURIN (No. 1) (Italy)

1,140 kc/s (263.2 m.); 7 kW. Relayed by Milan (No. 1), 814 kc/s (368.6 m.); Genoa, 986 kc/s (304.3 m.); Trieste, 1,222 kc/s (245.5 m.); Florence, 610 kc/s (491.8 m.); and Bolzano, 536 kc/s (559.7 m.). 6.45 a.m.—Gym. 7.0—News; Markets. 9.30-10.0—See Rome.

10.30—Malatesta Chamber Orchestra. Idillio, pastorale e corale (Spaggiari). Two Songs (Schubert). Tambourin chinois (Kreisler). Valzer campestre (Marinuzzi). Scherzo, "A Midsummer Night's Dream" (Mendelssohn).

11.15—Records. 11.45—News. 12.0 noon—Announcements; Light Music. 12.10 p.m.—Mottarello in search of an Author. 12.50—News. 1.0—Tourist Talk; Exchange. 3.20—For Workers. 3.35—For Children. 4.0—News. 4.15—Spezialtetti Dance Band. 4.55—

STATIONS IN ORDER OF FREQUENCIES AND WAVELENGTHS

Corrected in accordance with the latest official information available at the time of going to press

Table with columns: kc/s, m., kW, Station, Band No., 150-300 kc/s, Dial Reading, Station, Dial Reading. Lists radio stations from Kaunas to Ukhhta, including regional and national stations like Bournemouth and Plymouth.

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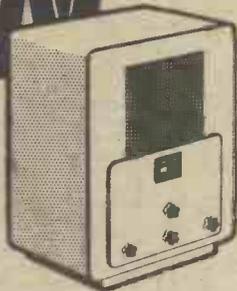
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