

World-Radio. Registered at the G.P.O. as a Newspaper

MAY 3, 1935. VOL. XX, NO. 510.

World-Radio

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

WIRELESS
AND
JUBILEES



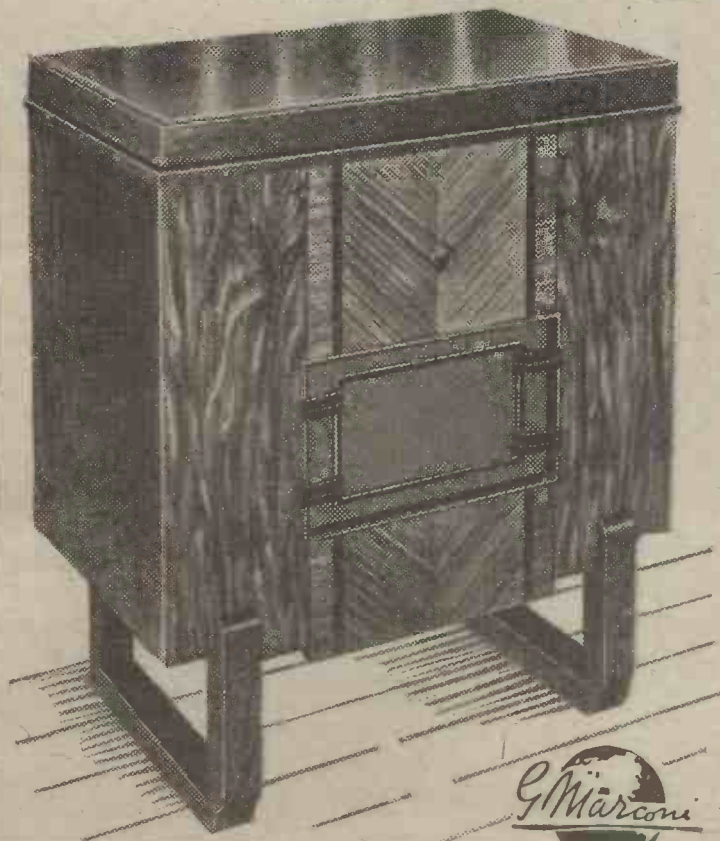
For
**OBVIOUS
 REASONS**

For obvious reasons this is the time for you to invest in a new radio. There are weeks of unique Jubilee broadcast programmes ahead, and during the next few years superheterodyne radio of the modern type is going to be more and more necessary for perfect separation and reproduction of Europe's elaborate network of programmes.

For obvious reasons also, a Marconiphone is the instrument you should have. *It is the only radio which needs no introduction, no explanation and*

no justification. Its unique superiority in home entertainment, with 25 years lead of all others, is obvious the moment you compare it with any other instrument. You will never be really satisfied until you have a Marconiphone. Why not use the coupon below and secure your instrument in time for the Jubilee programmes? Post it now and we will send you a fully descriptive leaflet and place you in touch with your 'Local Marconi-men' upon whom you can rely for prompt and experienced service.

L **MARCONIPHONE**



The model illustrated is the
**Jubilee Year
 Superhet Radiogram**

A 5-valve 7-stage instrument of very latest design and the keenest possible performance. (Model 287 for A.C. mains).

22 GNS OR **5/-** PER WEEK

APPLY NOW for an illustrated descriptive list of the Marconi Jubilee Year Models and the address of your local Marconi-men.

Name.....

Address.....

W.R. 3/5/35

To the MARCONIPHONE COMPANY LIMITED, RADIO HOUSE, TOTTENHAM COURT ROAD, LONDON, W.1.

WIRELESS and JUBILEES

By R. A. WATSON WATT

Part I—OTHER JUBILEES

THERE wasn't much we did not know about wireless in 1910. Naturally there wasn't; it had been a going concern two jubilees before that date. I suppose you might say it all began in the year when good Queen Victoria came to the throne, though that was before my day. That was the very year when Wheatstone on this side and Saml. B. Morse in the comparatively recently United States took out the first patents for electric telegraphs. Then it was not very far from the Silver Jubilee (1866 instead of 1862) that the United States were united to us again by a cable better than the one that had given such trouble in '58.

Of course, you remember the invention of wireless. That was in 1879, when poor old David Hughes was wandering around Gower Street picking up wireless signals from his transmitting station 500 yards away. And, believe me, the first 500 yards are the worst. Only the secretary of the Royal Society told him he'd got it wrong, and that they'd known all about that sort of thing since soon after the Coronation, and it wasn't real honest-to-goodness wireless at all. And because the Secretary's middle name was Gabriel, and because that was before the Youth Movement and the Revolt against Authority (since collapsed) David took his word for it.

Well, then there was the big Jubilee in 1887, and Heinrich Rudolf Hertz put in a lot of good work in that Jubilee year. He set up an ultra-short-wave sender with a peak rating of about 30 kilowatts, on 9 metres, and he turned it into a perfectly good beam station, and then he made the first tuned receiver and the first loop direction-finder, and with a visual indicator! After that, of course, there wasn't really very much left to do about ultra-short-waves for the next fifty years. Only it was rather a pity that this made the appropriate Jubilee song "Ich hab' mein Hertz in Heidelberg verloren"—it was in Karlsruhe and Bonn really—but it would have been better still if we could have kept it all in Gower Street, don't you think?

The Infant, Television

And television was an infant art about that Jubilee time, too, just as it is this Jubilee. Nipkow had taken out—in 1884—a patent for a scanning disc that made a good many revolutions before there was any other revolution in television. Hertz really started up the photo-cell business in 1884 also, so that '84 was a vintage year in television. Now it can be shown that 1884+50=1934, so that the Television Committee's Report is another Jubilee souvenir.

The Diamond Jubilee year 1897 was, if my memory serves me right—I was five at the time—the birthday year of shipboard wireless. The first SOS was in 1899 or thereabouts. But if the Editor will tolerate the special

jubilations of a Jubilee Veteran, I'd like to mention another 1897 birthday. It was in this Diamond Jubilee year that Ferdinand Braun produced the first Cathode Ray Oscillograph. (You will agree that, all things considered, Campbell-Swinton was pretty quick off the mark with his 1908 proposal for a television system using cathode ray tubes at sender and receiver.)

Now about the Ionosphere. It's true that I gave it its name during the last ten years, but that's nothing; it had been in the air for a long time before that. Balfour-Stewart had

—barring atmospheric. He heard Clifden 4,000 miles away in daylight, and 6,700 miles in night conditions—this on shipboard near Buenos Aires.

But there's something else I'd forgotten. Sommerfeld had worked out by 1909 his formula for calculating the service area of a broadcasting station. Of course he didn't quite call it that, but that's what it was all the same, only he—and we—didn't know. One of my own earliest genuine recollections of wireless was hearing Lord Rayleigh say that if he were given three weeks to work through Sommerfeld's paper he might be prepared to say something about it then, but not before.

This Clifden we were talking about—it was burnt in the time of "the troubles"—was a grand station. Total engine power about fifteen hundred kilowatts, wavelength 20,000 feet. Now there's a thing we've improved greatly in the twenty-five years. We changed them to metres soon after, and then we changed them again to kilocycles per second, and you can see what an advance that was—aerial 220 feet high and 1,000 feet long, and good signals recorded on ship at 6,000 miles. Carnarvon came soon after with an aerial 3,600 feet long, 500 feet wide, and 400 feet high, keying 350 kilovolt amperes.

These great telegraphic stations were—but there, that reminds me. I do believe I've forgotten to tell you what we knew about radiotelephony before 1910. Do you mind if we go back? By 1906 Poulsen, of Copenhagen, had spoken over fifty miles in Germany, in 1907 Fessenden had telephoned by wireless over 200 miles in the New York area, and some of the conversations from New York were heard in Europe in 1908. No, they weren't the 1907 conversations; echoes of long delay were

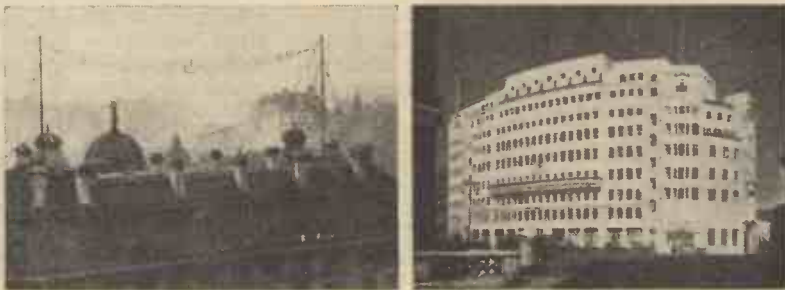
not invented then, but you see what I mean. All the observers were impressed with the fidelity of the received speech. Poor things, they didn't know any better; real fidelity is only as easy as B.B.C.; in fact, not quite.

Workaday direction-finders are, I think, among the few things I haven't put in their pre-1910 place. And they belong there, for Bellini and Tosi produced their still invaluable fixed-aerial direction-finder in 1907.

As for atmospheric, Popoff, of Kronstadt, used them in 1895 as warnings of the occurrence of lightning flashes. In 1935 we are inclined to think he was quite justified in this, but we aren't unanimous about it.

Part II—THIS JUBILEE

There have been three major and successful revolutions, two promising risings the results of which we are not yet able to weigh up, and—in spite of Part I—a number of quite pleasing advances in the state of wireless in the years that lie between 1910 and 1935. And there are new inventions and spectacular advances, in other



The 2LO aerial on Marconi House, Strand, 1922; Broadcasting House to-day

a good working idea in 1878 about what it was like. Fitzgerald, in 1893, said "Probably the upper regions of our atmosphere are fairly good conductors . . . If we assume the height of the region of the aurora (i.e., the upper conducting layer) to be 60 miles or 100 kilometres . . ." Observe that 100 km. ! Kennelly and Heaviside dragged these upper regions into ordinary wireless in 1902. Signalling by ionospheric ray only, and the phenomenon of skipped distance were "known in the art" before 1909.



Photo: Marconi's W. T. Co.]

The 6-kW telephone transmitter at Writtle, 1920; Droitwich transmitter to-day

The triode valve was invented in 1902 by Lenard, it was reinvented in 1906 by von Lieben and also by de Forest. Lenard wanted it for photo-cell work, but von Lieben, in Vienna, described his specifically as for amplification of speech and music in wireless telephony. De Forest wanted his as a detector, and found an amplifier thrown in.

A Year of Big Things

Well, well, well, how time flies! I was just starting to tell you about twenty-five years of wireless. But you see now—don't you?—how little there was left to do. Take 1910 itself. It was the year of big things in wireless—big powers, big aerials, long waves, big distances. It was the very year when Marconi broke the world's record for wireless signalling distances

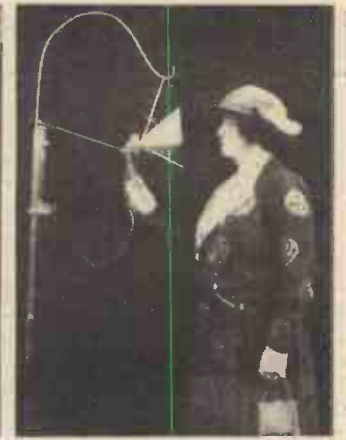
subjects, which might not have come in our time but for the stimulus of wireless development. The credit, or the blame, cannot be sorted out, because it is impossible to say what would have happened if something that has happened hadn't happened, but it is pretty sure that the earlier happenings greatly expedited the later happenings.

In 1910 the majesty and the mystery of wireless were concentrated in the giant sending stations that were springing up throughout the world. Real engineering genius was being applied to the design of high-power apparatus for sending out long trains of sustained oscillations, "continuous waves," in place of the short trains of rapidly decaying oscillations sent by the older "spark" systems which still held the field even in the high-power stations. The Poulsen arc-generator, the Goldschmidt and Alexanderson high-frequency alternators, were representatives of the marvels of combined electrical and mechanical engineering that were preparing to flood the world with ever-increasing intensities of long-wave signalling. Even the ship installations, in their smaller way, were impressive engineering products.

Receivers were, by comparison, of a dullness relieved only by their engaging simplicity. A big outside aerial, a few coils of wire, a few condensers—indeed, one coil and one condenser in many cases—and the magnetic detector, ("maggie" for short), a continuous band of steel



An early programme at Writtle; Mr. A. R. Burrows broadcasting from Marconi House; Dame Nellie Melba singing from the Writtle studio, 1920



in war. The need to give high sensitivity to mobile receivers, to compensate for the smallness of the permissible aerials, for the poor radiation from mobile senders, and for the low signal strengths from distant fixed senders, converted the experimental triode valve of 1906 to 1913 into an essential munition of war in 1915. How radical and unexpected this and the consequent changes were can be gauged by the fact that de Forest's British patent for the triode, hawked unsuccessfully around London, had been allowed to lapse in 1911.

Evolution of the Valve

The rest of the story of the valve is familiar enough. The triode was a detector like the coherer, the crystal, and the "maggie,"

but it was not only a detector, and not always a detector. It was a magnifier, and whether used as a detector or as a pure magnifier of radio frequency currents (before the detector which changed them to audible

frequency currents was reached) or of the resulting audible frequency currents, it drew on its high-tension battery to enable it to give out an "amplified" signal. In the years 1912 and 1913 Meissner in Germany, Armstrong in America, and Franklin in England all realised that if some of this amplified signal were fed back into the input terminals it would in turn be reamplified, and great magnification thus obtained.

If now this feeding-back process were overdone the smallest input impulse would be magnified up until the system was providing sustained oscillations, the frequency of which was set by the electrical quantities in the circuits attached to the valve, and the magnitude of which was limited by the supply voltages and the design of the valve. The magnifying receiver valve had become a generator of continuous waves, a baby transmitter.

It was also recognised about the same time that a "cascade" of valves and circuits could be used, each magnifying the output from the preceding circuit in the cascade. Still greater, in this case, was the tendency for a small fraction of the energy emerging by the "out" door to slip round, often by unsuspected paths,

to the "in" door, to be magnified all over again, and thus to produce continuous oscillations.

So we had, about 1915, valve receivers of extreme sensitivity, and valve generators which could be made to produce continuous waves of small magnitude, but of any frequency, within wide limits, that we desired. This latter apparatus sealed the doom of spark transmitters, for it removed the greatest difficulty in the way of receiving continuous waves. Ingenious, but rather clumsy, devices had been produced for the reception of "c.w." signals from the big alternators and the big arcs, but it was the oscillating receiving valve that, for the moment, promised to put these great transmitters "on the map." By using the principle of "beat" notes, so offensive in an ill-tuned piano, the oscillating receiver produced a note of audible frequency from the inaudibly high frequency of the continuous wave signal.

But if small oscillations from small valves, why not big oscillations? Why not valve transmitting stations with rows of glass bottles in place of the arcs which had a playful habit of sending their end-plates hurtling around the sending room at intervals, and of the alternators which had clearances so fine that they tended to bring designer, builder, and user to the early grave of the nervous wreck, and which cost large sums of gold currency.

Spectacular Experiment

The most spectacular wireless telephony experiment of those early days was that in which a five-hundred-and-sixty-valve set at Arlington put a hundred amperes into the aerial, and gave speech which was heard in Honolulu, over 4,000 miles away, as well as at the Eiffel Tower receiving station. The high-power valve sender had arrived, and trans-Atlantic telephony had arrived, though both were still to linger on the doorstep of the everyday. And arcs and alternators, though they, too, were to linger for a few years more, had had their exit cue.



The only photograph ever taken of the Wireless Room in the "Titanic"

The culminating giant of the family which had included Clifden and Carnarvon in these islands, Glace Bay in Canada, Eiffel Tower in France, Nauen in Germany, and so on, was the Rugby station, 1925, with its aerials 820 feet high, power 500 kilowatts and a bit, 700 amperes



[Photos: Marconi's W. T. Co.]

(Above) 1912, Robert Lorraine conducting wireless experiments at Brooklands. Probably the earliest use of wireless in an aeroplane. (Left) one of the latest aircraft installations

wire moving continuously past a coil carrying the current from this tuned receiver, was the typical receiving installation. Fleming's detector, a valve with filament and anode, but without the now familiar grid or grids, was just invading the most advanced stations, and a vast deal of work was in progress in the world's laboratories on the properties of crystal detectors.

It would, in fact, be fair to say that in 1910 the elaborations of the engineer were triumphant at the sending end, while the simplicities of the scientist still held, and were strengthening their hold on the receiver. The first major revolution was to come when the scientist, still working on the receiver, found that he had, almost by accident, produced a sender, a fragile glass sender which was to scrap the giant arcs and alternators almost before the bolts were finally tightened down on their bed-plates.

The vast, incredible outpouring of money on the arts of war, so ill-proportioned to the expenditure on the higher arts of peace, was an important, perhaps a vital, factor in the revolution. The application of wireless to mobile units, where a conducting link could not be provided or maintained, gave it a high importance

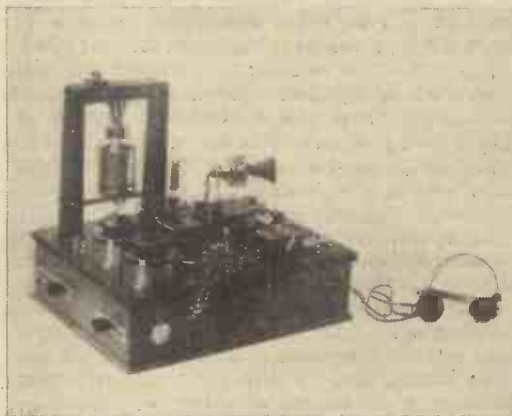
in the aerial, wavelength 18,000 metres—sorry, I mean frequency 16 kilocycles per second—range the Antipodes and a bit.

Rugby station is, in effect, the world's biggest valve amplifier: it magnifies a hundred thousand million times the energy of vibration of the tuning-fork-in-an-incubator which provides it with its original and very constant frequency. That was Rugby, that is.

Revolutions are catching, and the super-revolution of the triode valve brought the other two major revolutions in its train. Here is, as far as one can disentangle a story that is not without its obscurities, the story of revolution number two.

Wavelengths: Long, Medium, Short

Long-wave stations were expensive to erect, expensive to run. Their signals got mixed up with atmospheric, and in general the longer the wave the worse the atmospheric. But they could, as Bordeaux and Rugby had shown, send signals to the Antipodes, and serve practically everywhere in between.



Wireless telephone set used by Mr. Marconi in March, 1914; the short-wave transmitting hall at Ongar, fitted with beam transmitters

equally all round, even though they wanted to communicate in only one direction. This was because the aerials had to be large, and the additions which would have been needed to make them into beam aerials would have been so large as to occupy a county or so per station. But with short waves you could use small aerials, and you could arrange these, still within a reasonably small area, to send most of their energy in one direction. So it was a pity that this was only likely to add another fifty miles or so to the range.

These waves under 200 metres, then, could be handed over to the amateurs to play with, since they weren't much good to anyone else! And when in 1921 these waves from American amateurs were heard in Europe, and in 1922 in Australia, and in 1923 in New Zealand—all this with sending powers about equal to those of a common or kitchen electric light bulb, and receivers of one-valve or two-valve size—there was a good deal to be explained away. But the governmental and commercial users of wireless didn't wait for the explanations, they went on



[Photos: Marconi's W. T. Co.]

middle to its maturity at the end of this Georgian quarter-century is not to be compressed into a paragraph; the growth of short-wave broadcasting services in a still shorter period belongs to the same epic and not to this less heroic survey.

After revolution, counter-revolution. What did Hertz say in 1887? Was it not time to go back to his 9-metre waves, to consider whether they might not find application in the problem of wireless communication? The triode-valve generator had made it possible to displace expensive long-wave services by relatively inexpensive short-wave services, on wavelengths between 15 and 60 metres. The triode generator made possible the generation of still shorter waves, still higher frequencies, and gave us resources which would have rejoiced Heinrich Hertz had he still been among us at the age of seventy-eight, had not the too-brilliant flame burned out at thirty-four.

A Landmark

Among the greatest landmarks of this quarter-century of wireless is Appleton's direct physical confirmation of the indirect and never-wholly-accepted inferences as to the dominant influence of the ionosphere on wireless signals. Since 1927 there has been no room to doubt the ionosphere, even when there has been cause to regret it. For it shares in the world unrest, it is increasingly unruly, from month to month it reveals new peculiarities, new complexities, and its topography is becoming deplorably involved.

From eight years of ionospheric history we extract here the one set of facts about 5 to 10 metre waves. These are not usually turned earthwards by the ionosphere, as are the waves of 15 metres and longer, but appear to escape through the ionosphere, save when its lower boundary has in it exceptional concentration of electrons. When this abnormal, but not very abnormal, condition exists, 10-metre waves are reflected earthward when they just graze the ionosphere, as in coming from Rome to London, but not when they strike it nearly perpendicularly, as in going from London to Brighton. It is, then, not at all improbable that Hertz's 9-metre signals from Karlsruhe reached London on occasion at such a strength that a modern ultra-short-wave receiver might have detected them.

But since fading is usually due to the intervention of ionospheric rays, we might expect waves under 9 metres to be free from fading. They aren't, but that doesn't come into this Jubilee story. For most practical purposes, including television purposes, we can assume that waves of 6 or 7 metres wavelength are not returned from the ionosphere, and that, in consequence, a service on such wavelengths will be given within a single area only, without skipping over an outer zone and reappearing still further out, where they are unwanted, or, if wanted, are so distorted as to be unserviceable. And so the development of means for providing substantial power at wavelengths under 10 metres (which is well advanced—there is ?

Medium waves, on the other hand, died out very rapidly as the distance from the sending station increased. The shorter the wave, the more quickly it died out as the listener receded from the sending station. This was well known by observation on the 2,000-metre waves from the Eiffel Tower, on the 600-metre waves from ships and coast stations, and also from theory. There was a good deal of variability about these signals, and occasionally a ship which was unheard at 250 miles was heard at 1,250 miles.

Still shorter waves (not yet so short as those used by Hertz) were tried about 1918-19, and conformed to the same law: they were useful up to a hundred miles or less, and inaudible at a hundred miles or more. All very neat and tidy, the formula was a bit complicated-looking, but could be brought down to a handy bundle of graphs. As for the 1,250 miles, freaks will be freaks, *natura* will have her little *lusus*.

All the same it was a pity. Because long-wave stations were inevitably broadcasting stations; they spread their energy practically

with the utilisation of this gift from the gods and the amateurs.

And so these twenty-five years had their beginning marked by the effective introduction of continuous-wave systems, and by the practical application of the triode valve. Half-way through the period came the short-wave revolution, with effects on Imperial and international communications that are familiar to us all to-day.

Revolution No. 3

The third of the major revolutions also marks the mid-point of the twenty-five year period. It was not, perhaps, so purely a technical revolution as the others, but it was one of the greatest social revolutions of history. It flowed from the triode revolution, it took account of the behaviour of short and medium waves which we have just discussed, and it became Broadcasting, in the special and far-from-limited sense which has now displaced the wider, and older, meaning of that word. The magnificent up-surge of medium-wave broadcasting from its birth in the



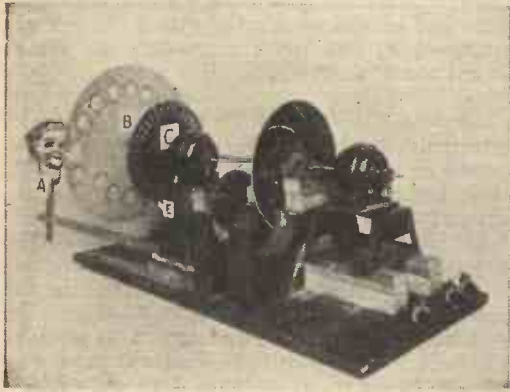
[Photos: Science Museum]

Marconi multiple tuner, diode receiver, and French eight-valve amplifier; "Everyman Four" receiver, 1926; Group of early moving-iron loudspeakers

recent reference to a single valve capable of dealing with 60 kilowatts at 10 metres) and under 2 metres (which is not so well advanced, but progressing) is opening out the way to television and high-quality sound broadcasting, and aids to airway navigation, and multiple telephone channels, and a host of less obvious things in this Jubilee epoch.

Television, as we saw in Part I, is celebrating its own Jubilee, and it has been very well worth waiting for. Just wait and see.

The Editor said "Twenty-five years of Wireless." He also said, more firmly, "No Radio Research Board." Though the twenty-five years seem to have stretched a bit, I have taken him—up to now—at his word on the other matter.



(Photo: Science Museum)

The original Baird television apparatus

But I should hate to have any misunderstanding with the Editor's readers.

In Part I, I tried to show, not entirely without seriousness, that the seeds of the 1910-35 harvests were sown in well-tilled soil, and that we turned a very short-sighted eye on many promising shoots.

Much of the history of wireless in its middle stages, 1910 to 1925, might not unfairly be characterised as the triumph of experience over experiment; much of the work of 1925 to 1935 has been concerned with showing how difficult and complex were the natural conditions over which the wireless engineer in his ignorance triumphed.

The century opened on Marconi proceeding to do things which some of the scientists of his day told him he ought not to be able to do; this Jubilee sees the scientists telling the wireless engineer that he ought scarcely to have been able to do many of the things he has been doing every day for years. But that is not the main occupation of the scientists! They are helping in the surmounting of the obstacles that remain;

they are not neglecting the sowing of fresh seeds towards the next Jubilee harvest.

There wasn't much we didn't know about wireless in 1910. There is a tremendous lot we don't know about wireless in 1935.



(Photo: Marconi's W. T. Co.)

Marchese Marconi, with his experimental micro-wave transmitter, working on 57 centimetres

Jubilee Programmes Abroad

THE programmes of many Continental broadcasting services are to contain reflections of the Jubilee celebrations in London.

HUNGARY—

Hungarian listeners will hear a report by the representative of Ravag, the Austrian broadcasting service, recorded and broadcast in the Budapest programme on May 6, accompanied by a detailed explanation in Magyar.

FRANCE—

Considerable pleasure is felt among listeners in France at the announcement that a French radio-reporter is being sent to London. He will be given a place in the gallery of St. Paul's, and will make use of a studio at Broadcasting House to broadcast his impressions of the scenes he has witnessed.

PORTUGAL—

In Portugal, in addition to relays by CT1AA and CT1GO of the British Jubilee broadcasts, special arrangements are being made to bring home to the large British colony in Lisbon the unity of the British communities scattered around the world. A united Service will be held in St. George's Church, at which the same form will be used as in St. Paul's Cathedral, and loudspeakers will be installed in order that the congregation may hear the departure of their Majesties from Buckingham Palace, their progress through the streets, and their arrival at the Cathedral. As soon as the opening chord of "God Save the King" is heard from St. Paul's, London will be faded out, the congregation will take up the National Anthem, and the service begin. At the conclusion of the service, London will again be brought in. In the evening, his Excellency the British Ambassador is giving a Reception to the British Colony, the guests at which will be able to hear the King's speech *via* loudspeakers installed in the reception room and the gardens. A leading daily paper in Lisbon is bringing out a special "Jubilee Number," and Portugal generally is keenly interested in the festivities.

The full list of countries in which Jubilee programmes will be broadcast is as follows:—Hungary, France, Portugal, U.S.A. (NBC and CBS), Czechoslovakia, Denmark, Germany (eye-witness account), Austria (commentary of their own from St. Paul's), Sweden, Japan, Holland, Poland, Finland, Dutch East Indies, Shanghai, Argentina, Egypt.

The King, the Empire, and Broadcasting

The pictures on the facing page illustrate incidents that bear striking testimony to the power of broadcasting as a link of Empire. For three successive years his Majesty the King has addressed his subjects throughout the British Empire on Christmas Day, and greetings have been exchanged between places as far apart as Vancouver, in Western Canada, and the North-West Frontier of India. By means of the microphone we have been privileged to join with the King in times of national remembrance at the Cenotaph, no less than to share in intimate family rejoicings, as on the occasion of the marriage of their Royal Highnesses the Duke and Duchess of Kent. The voice of her Majesty the Queen was heard by many for the first time when she launched the Queen Mary. Diverse local happenings, typified by the opening of Sydney Bridge, Australia, and the broadcast from Table Mountain which took place in March, 1933, aroused inter-Empire interest. Sports events, such as the Derby and the Boat Race, have brought exiles at lonely outposts "Home."

"News from the Air"

How the Jubilee will be heard in West China

I HAVE been resident in West China for twenty-six years. When I first came to China there were no river steamers on the Upper Yangtse, and the journey into the interior was a long and tedious one, taking between two and a half to three months. With the coming of steamers the time was reduced to approximately a month; now the journey from Shanghai to Chengtu can be done in two days by aeroplane. Likewise with the mails.

But, unfortunately, it is different with news. The average reader cannot afford to get newspapers sent by air-mail. So we still have to wait three weeks for our world news, so far as the Press is concerned; and this news isolation has always been the greatest deprivation to many people living in West China.

With this in mind, when I was last on furlough I conceived the idea that if I took a powerful wireless set back with me it might be the means of breaking down this news isolation. The only dependable source of electric power was our own direct current plant.

For a week or so after we received our first news from Europe, we circulated a typewritten sheet throughout the community, but as it took a long time in circuit and we had facilities for printing we decided to get out a hundred copies of our news resumé and call it *News from the Air*.

By special permission of Reuter's Agency, we were enabled to use part of their broadcast for private circulation in West China. About seventy-five people pay postage and part of the printing cost. For a year and a half now we have regularly printed this *News from the Air* every second day. Fortunately, the writer can do with a minimum of sleep, otherwise he would have thrown up the task long ago.

Our schedule is worked out on these lines:—

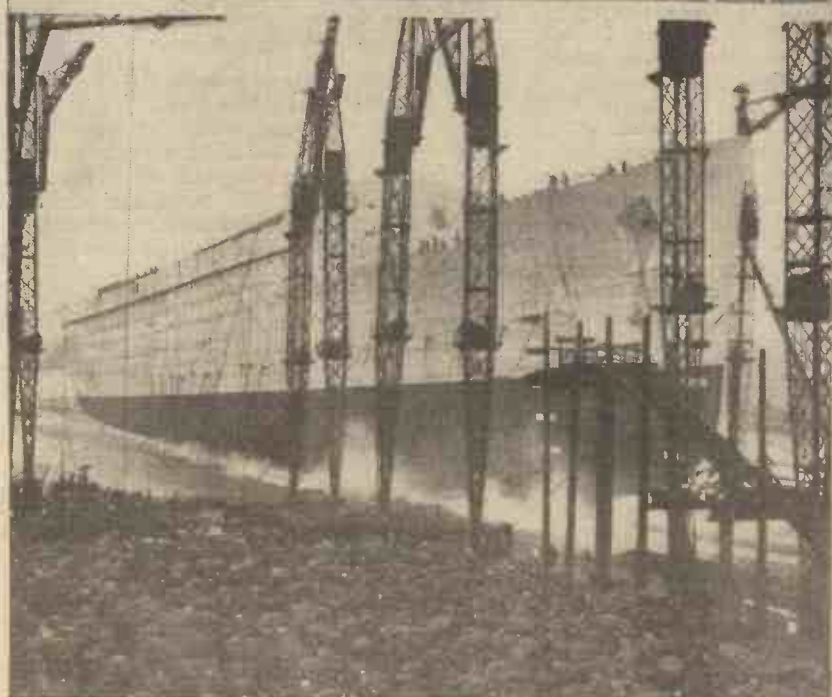
We hurry home in the afternoon from our ordinary tasks to pick up Tokyo at 4.55, at which time there is a brief epitome, in English, of world news; at 5.30 p.m. there is English news broadcast from Manila, made up mainly of items of Philippine and United States news; at 7.15 a Nanking broadcast—mostly propaganda, but occasionally interspersed with items of foreign news. From 10 to 11 p.m. Shanghai broadcasts financial and commercial news, mainly from the United States.

Now comes an interval for sleep till shortly after 4 a.m. At 4.30 a.m. we tune in London National, and as soon as it is over move to West Regional for another rendering of the News. Then a quick shift to Manila, which has already started giving its early morning news. And when we finish at 5.30 a.m., if we are in luck we tune in Athlone to see what we can gather there. On special occasions—like that of the London-Melbourne Air Race—Poste Parisien may give us a bulletin in English at 6 a.m. On that occasion it was followed by another at 6.35 from Fécamp, and a special one from London National at 7.02 after Scott and Black's arrival at Charleville. We have occasionally picked up an item or two from Moscow, but not so much recently.

My News notes completed, it is a rush job to type them, get them to the printers and off the press by 3 p.m. This acting as news-hound for the West China community is not an easy task, but it is one which is much appreciated by many news-hungry residents who are not fortunate enough to own a long-wave receiving set.

A short time ago our all-wave receiver came to hand. We are now getting at midnight the news from the Empire transmission (5 p.m. G.M.T.), and with occasional French and German broadcasts of English news, we are now able to retire about 12.30 a.m. T. E. P.

The King, the Empire, and Broadcasting



Dance Music on the Short Waves

A Review of the Bands to be Heard in Short-Wave Programmes from the U.S.A.

LESS than eight years ago the harassed owner of a Chicago night club approached the owner of a local broadcasting station. "My business is going to the dogs," he complained, "and I'm almost broke trying to keep the club open. I have a band at the club which I think would be a hit on the air and bring in new customers. They call themselves the Royal Canadians, headed by a fellow named Guy Lombardo, who has three brothers in his outfit."

"Never heard of them," the station proprietor replied. "But do you happen to have any money?"

"A few hundred dollars."

"O.K. I'll take a chance. But I've got obligations. So you'll have to pay in advance for your time on the air—your band isn't known here and may be terrible. And if it is, I can't afford to keep it in my programmes."

Several nights later "the fellow named Lombardo" made his radio debut. "Not a bad band," the station owner remarked that same night, when he called to see the owner of the club. "And they've got a style that's different. I guess I'll stick with them and see what happens."

What happened was that the club itself was transformed from a liability to an asset; the Lombardos and their "sweet music" became an overnight sensation, and within a few years was one of America's favourite and most-copied bands, broadcasting over coast-to-coast networks. At the moment of writing, Lombardo broadcasts at 10 p.m. E.S.T. on Wednesday evenings (Thursday, 4 a.m. B.S.T.) from W2XAF, Schenectady, a programme entitled "Pleasure Island." This is a programme of dance music played in the soft, dreamy, melodic style in which the band has always specialised, and which is evidently to the liking of the vast American public.

On Tuesdays at 8.30 p.m. E.S.T. (Wednesday 2.30 a.m. B.S.T.), also over W2XAF, can be heard Wayne King's Orchestra. King, who is known as the "Waltz King," rivals Lombardo in popu-

larity, and has reached his eminent position solely as a result of his graceful treatment of waltz numbers. Credited with being a millionaire, he recently announced his intention of retiring from popular music at the end of this season, but in view of the number of requests for his services from all parts of the United States and elsewhere, it is unlikely that he will carry out his intention. Neither King nor Lombardo plays "hot" music.



Isham Jones and his Columbia Broadcasting Orchestra

Many readers will remember Whispering Jack Smith, who appeared in Britain on the variety stage and at restaurants and night clubs in the West End of London, and who recorded a number of his songs at the piano. His intimate style of singing was developed

accidentally in 1925, when he was one of a quartet broadcasting from a New York station. One night, the other three singers failed to put in an appearance at the time at which they were due "on the air."

"You'll have to go on alone," the station manager told him.

"I won't," replied Smith. "I can't!" But he did, and in such a state of nervous apprehension that his vocal chords suffered a kind of temporary paralysis, with the result that his usually robust baritone voice emerged from the various loudspeakers throughout the land as a hoarse, confidential, whispering sound. To the mutual surprise of Smith himself and the station manager, letters poured in praising the new singer. The first "whispering baritone" was discovered.

To-day, back once more in his native United States, Whispering Jack Smith and his Orchestra, which is of the "sweet music" type suitable to his singing, broadcasts over W2XAF, usually at 12.15 a.m. B.S.T. on Fridays.

At 2 a.m. B.S.T. on Fridays (Thursday, 8 p.m. E.S.T.) a voice whispers into the W2XAF microphone, "Heigh-ho, everybody. This is Rudy Vallee speaking," and the Vallee Variety Hour has begun. In this programme, the first crooner, who is still one of the greatest personalities of the microphone, stage, and screen, introduces guest artists. To be presented by him is the hallmark of radio fame in America, and it is a tribute to Vallee himself that he is gratefully remembered by hundreds of now well-known artists for giving them a "break" at the time when they were struggling for recognition.

From the same station, and again on Thursdays (Friday, 4 a.m. B.S.T.), Paul Whiteman presents his "Music Hall." This is a variety hour on the same lines as Vallee's, with Whiteman presiding over a distinguished list of guest artists, and, of course, his world-famous orchestra.

The voice of Ben Bernie is heard in the W2XAF programmes on Tuesdays at 9 p.m. E.S.T. (Wednesday, 3 a.m. B.S.T.). "The Ol' Maestro" commands the listener's attention by a series of "wisecracks" throughout his broadcast, by discussions into which enters Walter Winchell, the columnist, with whom he spent his boyhood on New York's East Side, and by small talk about various matters of the moment.

Later, in the same day, comes a sponsored programme with a musical accompaniment by Glen Gray and his Casa Loma Orchestra. This band, composed of college students, and run on a co-operative basis, appeals greatly to the younger generation. It was formed in 1931, when Glen Gray was declared president, and fourteen stockholders—the other members of the orchestra—were appointed. These stockholders receive salaries, plus dividends declared from the band's profits,

and under provisions of the articles of incorporation they must dispose of their holdings to the corporation should they decide to leave the band. As yet none of the boys has left; on the contrary, four new members have been added. These musicians had to be passed upon by the board of directors for their musical ability, congeniality, and personality before they were accepted into the band.



Guy Lombardo (top, left), with his three brothers, all members of his "Royal Canadians" orchestra

Although the band is known as "Glen Gray and his Casa Loma Orchestra," Gray is not the leader. He plays saxophone in the band; the actual leader is Mel Jensen, a violinist.

From the stations of the Columbia Broadcasting System comes the distinguished music of Isham Jones and his Orchestra. Jones's reputation as a composer of popular tunes is as great as his reputation as a conductor—he has his own music publishing business—and his band, therefore, has the advantage of being able to feature exclusive numbers from time to time. Classics, played in rhythm, are a speciality of Jones's. Tall and red-haired, he comes of mining stock, and, indeed, before adopting music as a career worked in an Ohio mine for several years. Before coming to New York he was well known in and around Chicago.

Heading the long list of pianist-leaders are Eddie Duchin, broadcasting from W2XAF on Tuesdays at 9.30 p.m. E.S.T. (Wednesday, 3.30 a.m. B.S.T.) in Ed Wynn's programme; Ted Fio-Rito; Johnny Green, composer of "I Cover the Waterfront" and other popular songs; and Vincent Lopez.

It is impossible in the space of one article to describe even half the orchestras that one can tune in on the short waves during the course of a week, nor indeed to detail all the programmes in which the above-mentioned bands can be heard. I have not mentioned, for instance, the orchestras of coloured musicians, which include such units as Duke Ellington's, Cab Calloway's, and Fats Waller's. They are many, and all strongly addicted to "hot" music.

From the dance music enthusiast's point of view, America is the millennium. Not one, nor two, but as many as twelve or fifteen outstanding orchestras to choose from between six o'clock in the evening and one o'clock the following morning! No possibility of being bored by any of them, because no programme is of longer duration than half an hour; many are shorter.

The U.S.A. listener's dance music begins as early as 6 a.m., and it is heard regularly from that time onwards throughout the day.

A. W. W.

"THE MONARCH OF MODIFIED JAZZ"

is the title of the next article in this series. It will appear

NEXT WEEK

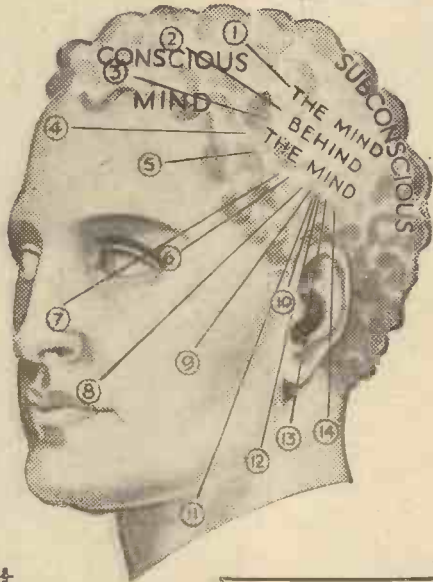
and will consist of an exclusive interview, by our New York Correspondent, with

PAUL WHITEMAN

INFERIORITY COMPLEX eradicated

WRITE FOR
**FREE
BOOK**

An Inferiurity Complex is a disturbance in subconsciousness which manifests itself in self-consciousness, nervousness, unsociability, weak will, blushing and other personality-weaknesses. These are symptoms of "something wrong" within your personality which you can put right—the effect of conflicting forces within yourself, or the result of some emotional experience or some destructive influence during your personality development. Such experiences may be forgotten, they may have acted too early for your memory to retain, but their effects remain in the form of powerful negative impulses, overcoming and paralysing your positive impulses, denying you the pleasures of achievement and the joy of living.



The Power that Auto-psychology gives

You cannot control these impulses—to attempt to fight them by direct effort serves to increase their strength—but you can eliminate them altogether, and build up in their place a new personality with powerful positive forces within yourself which will carry you forward towards a happier, fuller, more successful life, through Auto-Psychology—the science of successful living. This is the realisation that comes to you through this remarkable little book, "I Can . . . and I Will." Your copy is waiting for you.

In your own home in your own time

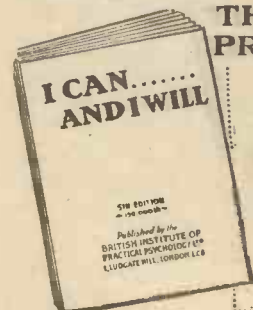
Auto-Psychology calls for no prolonged concentration, no arduous book-study, no wearisome application—it is a revealing insight into right-thinking and living which is absorbed into your daily life. You begin to feel the new self, strong of purpose, deep in self-knowledge, arising within you during the first few days. As weeks pass, so does it set the wonderful powers within you working FOR YOU instead of against you, helping you to win promotion, leadership, popularity, affection, wealth, influence, or whatever you most desire.

You have only one life to live in this wonderful world. Let the past go—face the future with a new hope. Write or send coupon to-day for Free Book, "I Can . . . and I Will."

If you desire a personal talk—understanding, sympathetic and confidential—you are cordially invited to call at the Institute. No fee or obligation. (Textile Exchange Entrance, opposite St. Paul's. Ask for Reception Room No. 282.)

Imaginary diagram depicting the effect of the subconscious mind on the personality and bodily structure.

- 1 Self-consciousness.
- 2 Unsociability. Nervous apprehension.
- 3 Depression. Worry. Sleeplessness.
- 4 Weakness of will. Indecision.
- 5 Forgetfulness. Lack of Concentration.
- 6 Unsteady gaze. Shifting eyes.
- 7 Nervous catarrh.
- 8 Stuttering. Dry mouth.
- 9 Blushing.
- 10 Word obsessions.
- 11 Hot hands. Trembling limbs.
- 12 Neurasthenia. Nerve pains.
- 13 Indigestion. Stomach troubles.
- 14 Physical Letbargy.



**THE BRITISH INSTITUTE OF
PRACTICAL PSYCHOLOGY, Ltd.**
1 (E.U.3) LUDGATE HILL, LONDON, E.C.4
COUPON FOR FREE BOOK

NAME.....
(BLOCK LETTERS)

ADDRESS.....

All correspondence is strictly confidential. E.U.3.

The
PRINCE OF WALES's
Message

"This year is Jubilee Year, and millions of people throughout Great Britain wish to express to His Majesty the King their thankfulness for his reign over us during the past 25 years . . . I have ascertained that nothing would give the King and Queen so much pleasure as a National Thank-offering devoted to the welfare of the rising generation."

Edward P



THERE ARE OVER A MILLION BOYS AND GIRLS BETWEEN THE AGES OF 14 AND 18 WHO HAVE NO OPPORTUNITY OF ENJOYING THE GAMES AND CHANCES OF SELF-DEVELOPMENT TO WHICH THEY ARE ENTITLED. YOU CAN HELP THEM BY HELPING

KING GEORGE'S JUBILEE TRUST

The need is very great. You cannot contribute too much or too little

DONATIONS MAY BE SENT EITHER TO

Your Lord Lieutenant, Lord Mayor, Lord Provost, Mayor or Provost,
or direct to

'KING GEORGE'S JUBILEE TRUST,' ST. JAMES'S PALACE, LONDON, S.W.1.

MURPHY

MURPHY SALES ARE 66% HIGHER THAN LAST YEAR

IN January, when we gave you the whole of our programme for 1935, a lot of people told us that we were mad (only they put it more politely than that).

“Look at the snags,” they said. “Your competitors will know everything you’re doing!”

“Nobody will buy your sets in the Spring!”

“You will *never* get steady sales all the year round!”

Well, here are the first answers to our early critics. Murphy sales for the first three and a-half months of this year are 66% higher on money value and 70% higher on the number of sets sold. And we are employing to-day 82% of the number of people we had working in the peak month of November. That’s not a bad achievement, when you consider that in the Spring of last year the wireless industry employed only about 25% of those engaged in the peak month.

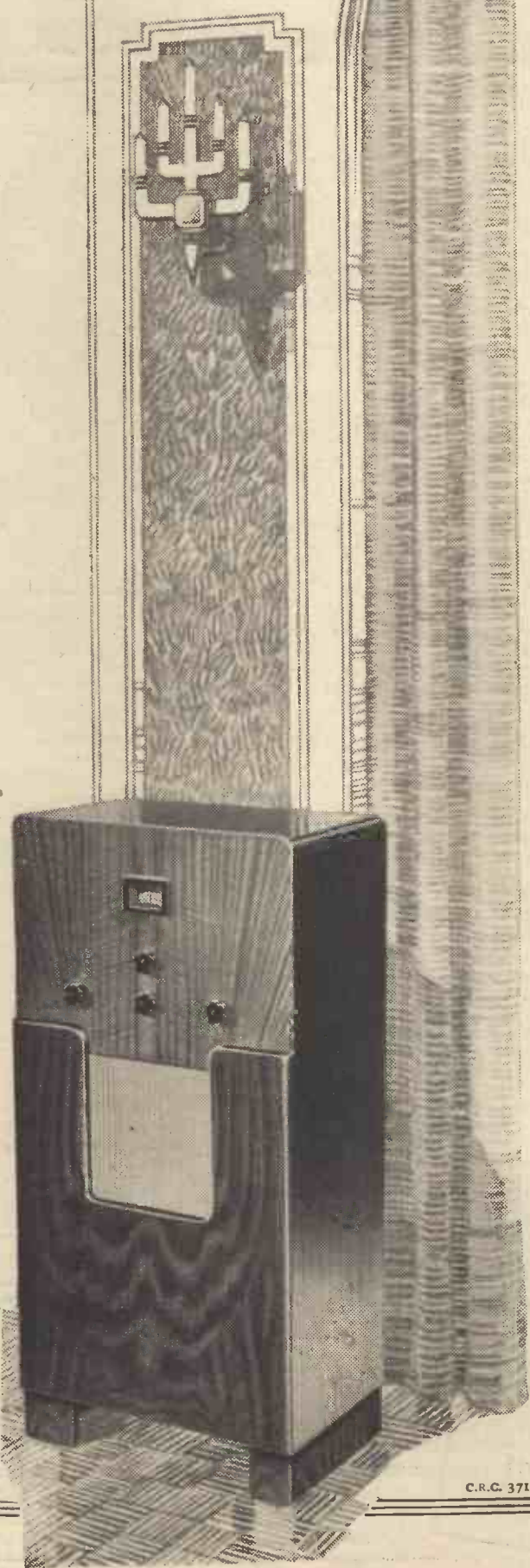
Frank Murphy

CONSOLE MODELS All Electric Supersonic Heterodyne Receiver. Cabinet finished in Indian Laurel and Walnut. Extraordinarily good reproduction made possible by high sensitivity moving coil loudspeaker installed in cabinet of special shape, lined with sound-deadening material. Single tuning control. Illuminated wavelength dial. Automatic volume control. Fitted with extra loud-speaker sockets. Greatly increased undistorted power output.

| | | | |
|-----------------|-------------|------------|-------------------|
| D.C./A.C. Mains | £15 . 0 . 0 | A.C. Mains | £14 . 15s. |
|-----------------|-------------|------------|-------------------|

| | | | |
|---------------------|-------------------------|---------------------------------|--------------|
| TABLE MODELS | RADIOGRAMOPHONES | | |
| For A.C. Mains | £11 . 0 . 0 | A.C. Model (50 cycle mains) | £24 . 10 . 0 |
| D.C./A.C. Mains | £11 . 5 . 0 | A.C. Model for all other cycles | |
| Battery Operation | £13 . 0 . 0 | D.C./A.C. Model | £25 . 15 . 0 |

These prices do not apply in I.F.S. All Murphy sets, exclusive of valves and batteries, guaranteed for a year. All Models available on Hire Purchase Terms. STATION CHART, giving list of stations and wavelengths, supplied with each set.



For the name of your nearest Murphy Dealer write to MURPHY RADIO LIMITED, WELWYN GARDEN CITY, HERTS.

How Television Works

Part 4—Light Modulation in Mechanical Receivers

We have seen that mechanical television receivers may be divided into two general types—namely, those in which the source of light is energised or modulated directly by the current at the output of the receiver, and those in which the intensity of the light source is fixed, the light itself being modulated after it has left the source. The earlier television receivers belonged mostly to the first of these types, but it was found that improved results were in general obtained by the use of the second of these methods.

The general principle involved in any receiver employing this second method may be understood by reference to Fig. 1, in which S is the source of light illuminating an aperture A; L is a lens focusing this illuminated aperture upon the screen G, a mirror drum M being interposed to distribute the spot over the screen in the way which by now will be familiar, and lastly, D is a device interposed between the aperture A and the lens L to vary the intensity of the actual light beam. This device must be some form of apparatus which will, under the control of the current from the wireless receiver, act as a tap and permit the passage of more or less light from the source S to the lens L in proportion to the strength of the current applied.

If the receiver delivers a large pulse of current this "light valve" must open out as it were, and cause very little obstruction to the beam, and when the current from the receiver dies away, the light valve must become opaque and cut off the light. A suitable device for doing this has been the subject of much research, and it is too early to say whether it will eventually be possible to produce this result in the direct and straightforward way we have indicated. It is possible, however, to obtain the result indirectly, and to do this it is necessary to make a transformation in the nature of the light emitted by the source. We have to "polarise" the light.

Polarisation of Light

To understand what is involved by polarisation, we must remind ourselves of the true nature of light. It is an oscillation in the ether similar to a wave from a wireless station, the only difference being that its wavelength is very short. The eye is really a wireless receiver capable of responding to this short wavelength, and the heated filament of an incandescent lamp is really an aerial sending out very short wireless waves. In order to get some idea of how these waves are started and propagated through space,

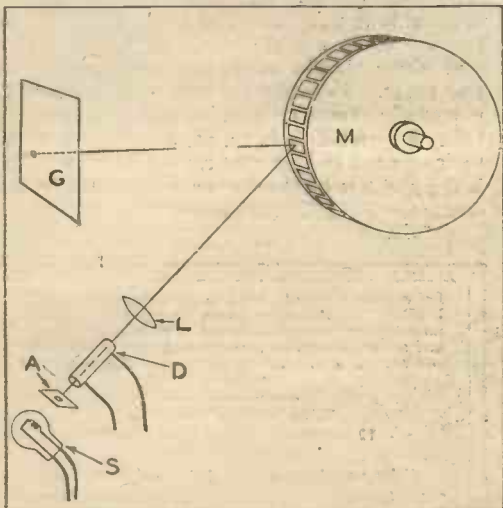


Fig. 1—Principle of mirror-drum television receiver

let us imagine two persons are standing a few yards from each other, each holding the end of a stretched rope, as in Fig. 2 (a).

If one of them moves his end rapidly up and down, or from side to side, or in fact, in any direction except along the axis of the rope, a succession of waves will pass along it. This is precisely what happens when an aerial sends out wireless waves, or a lamp sends out light. The rope is the medium connecting the sending and receiving ends and represents the ether. In the transmission of wireless waves the current surging in the aerial causes the ether immediately adjacent to it to oscillate in some direction other than along the transmission path, and the oscillation travels away from the aerial.

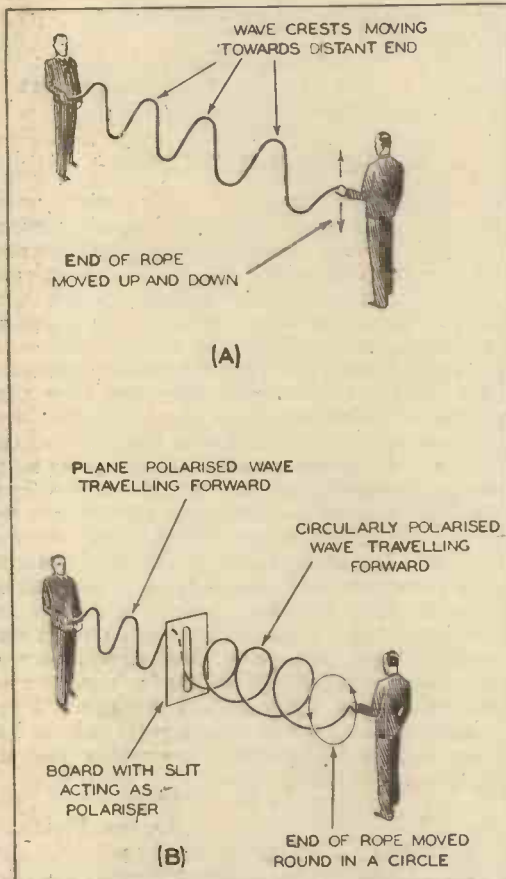


Fig. 2—Rope analogy to illustrate polarisation of light

Now, returning to our rope analogy, if the experimenter waves the rope round in a circle he is really moving the end of the rope vertically and horizontally at the same time, the combined result of these two motions constituting a circular motion, and a wave similarly composed of these two movements passes down the rope. Such a wave is said to be "circularly polarised," as the oscillation which caused it was circular. A wave produced by a straightforward up and down or side to side motion of the oscillation generator, be it the experimenter's hand, or the current in an aerial, is known as a "plane polarised," or more simply, "polarised" wave.

The radiation from most wireless aerials is often partially or entirely polarised, but the light from a white-hot filament does not in general show any polarisation. If, however, we could constrain the waves of a beam of light to oscillate in one direction only, the light would be polarised. We can see how this can be done by returning once more to our analogy. If, as is shown in Fig. 2 (b), we pass the rope through a vertical slit in a piece of wood, and if, as before,

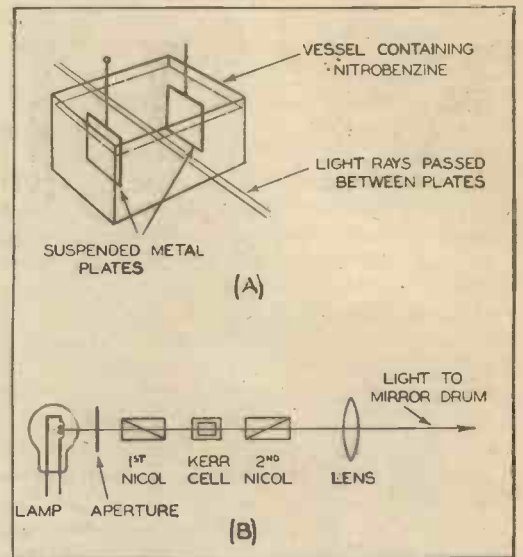


Fig. 3—Illustrating light modulation by means of Kerr cell

the experimenter waves one end round in a circle, thus generating a circularly polarised wave, the slit will confine the oscillations of the rope on the distant side of it to the vertical plane, and clearly serves as a device to produce a plane polarised wave from one which was initially circularly polarised.

The Nicol Prism

It is found possible similarly to polarise the light from a white-hot source by interposing in its path a crystal of Iceland spar which has been cut in a particular way. Such a crystal is known as a "Nicol prism." A certain amount of light is naturally wasted by losses in the prism, but that which emerges is polarised. If we now allow this emergent light to fall on a second Nicol prism, it will only be able to get through if the plane of polarisation of the second prism is parallel to that of the first. If we turn the second Nicol prism round through a right angle it will pass no light.

If between two such prisms arranged to pass no light we could place a device which would turn the plane of polarisation of the light slightly round on its way towards the second Nicol prism, a portion would get right through. If the device were to rotate the plane of polarisation completely through a right angle, the second Nicol would then offer no obstruction to the light beam; and finally, if the device could be arranged to be so controlled by an electric current that it would produce a degree of rotation proportional to the strength of the current, the whole assembly comprising the rotating device and the two Nicols would constitute a light modulator, and it would only be necessary to associate it with a wireless receiver, a light source, a suitable optical system and a mirror drum to make a television receiver, and one, moreover, which would produce a picture in black and white.

An apparatus which would do this had long been known, but until the coming of television had not received much practical application. It was discovered by Professor Alexander Kerr and is known as a Kerr cell. It consists simply of two metal plates immersed in nitro-benzene, as shown in Fig. 3(a). When polarised light is passed between the plates between which a difference of electric potential is applied, the plane of polarisation will be rotated by an amount which is, if the conditions are properly chosen, proportional to the amount of the electric force or difference of potential. Two Nicol prisms and a Kerr cell, therefore, will vary the intensity of a beam of light in proportion to the voltage applied to the cell, and the general

(Continued in col. 3 page 16.)

Vià Ether

Jubilee Broadcasts in Other Countries

MANY of the Jubilee events to be broadcast in this country will, I see, be relayed in the United States by the NBC and CBS chains. Thus short-wave listeners, as well as some of those who may be fortunate enough to "get America" on the medium waves, should be able to hear the epoch-making transmissions, which would have crossed the Atlantic twice. The Continent of Europe is equally interested in the celebrations. In Hungary a recorded version, received from Vienna, will be broadcast, followed by a translation into Magyar. In Portugal the event will be a big one, and a service is to be held in Lisbon which will follow the lines of that in St. Paul's. Loudspeakers will enable the British Colony to hear their Majesties' progress through the streets. It is a matter for pleasant reflection that so many countries in Europe are participating in the rejoicings over the Silver Jubilee.

* * *

Anniversary Broadcasts

Anniversary celebrations are much to the fore in next week's programmes. It is forty years since Willem Mengelberg—listeners may recollect that an interview with him appeared in our "Microphone Personalities" feature a few weeks ago—became conductor at the Concertgebouw. Dutch stations are celebrating the event by relaying two concerts which he is to conduct, on TUESDAY and THURSDAY respectively. Other anniversaries are dedicated to Napoleon, Hans Andersen, and Schiller. The Schiller commemorations include a broadcast on Friday from the Vienna studio of *Kabale und Liebe*, and two transmissions of Beethoven's Ninth (with the choral section). The first comes from Stuttgart on THURSDAY, the second from the Florence May Festival on SATURDAY. It will be relayed by the Italian and Vienna stations.

Florence May Festival

THE annual Florentine May Festival, *Il Maggio Fiorentino*, began last week. This festival, which has now become an annual institution, includes manifestations of drama and music in all their phases.

An especially interesting feature of the present festival is the operatic programme. It is probably the first occasion in modern times on which the artists, chorus, and orchestra, as well as the Corps de Ballet, from the Opéra at Paris have paid a visit to an Italian city. According to the present arrangements they will give two performances of Rameau's *Castor et Pollux*, and the Ballet is to present Ravel's *Daphné et Cloë*, Lalo's *Namouna*, and Pierné's *Les Impressions de Music-Hall*.

It is certain that a number of the performances will be relayed by either group of Italian stations. On Saturday, April 27, for instance, the first performance of Rameau's *Castor et Pollux* was relayed by Rome and its associated stations from the Municipal Theatre, Florence.

On Sunday, May 5, Rossini's *Moses*, with which the Festival opened, and on Saturday, May 11, Beethoven's *Ninth Symphony* will be broadcast. The latter will be an event of the greatest interest, for the Vienna Philharmonic Orchestra, with Weingartner conducting, and including artists of the front rank, will be present.

LETTERS TO THE EDITOR

AN INTRUSIVE TIME SIGNAL

SIR,—According to "Alexis," Mr. A. L. Stather must possess a very unselective set. Also, Mr. J. E. Edwards must be unaware that Athlone does not come on the air until 1.30. In any case, interaction of radio waves is unlikely at midday, even with an out-of-date set.

Yours faithfully,

ANTHONY HERBERT ROTHWELL.

Liverpool, April 28.

STUTTART "NACHTMUSIK"

SIR,—May I say that I fully agree with your numerous correspondents about the pleasure of the Stuttgart and Frankfurt non-jazz night concerts, which are freely and courteously given us without payment and without political propaganda?

Yours faithfully,

WM. PIGOTT.

Hindhead, Surrey, April 28.

THE GREATEST TENOR?

SIR,—Among a great many rather uninformative letters giving various people's opinions on who, in their opinion, is the greatest tenor, it is refreshing to find that published in your issue of April 19, from Mr. Richardson. He quite rightly points out that brains are the thing, in singing as in everything else, and people would do well to remember, before expressing opinions, that it is not necessarily the great arias that single out the really great singers, but all that goes to make up an opera, and the ability of the singer really to make a rôle. At the same time, it must be borne in mind that those who form their opinions on the wireless or gramophone are at a disadvantage, as certain defects in the voice are, in some cases, assets in the reproduction.

I personally feel that it is of little avail to compare the German, Italian, and Russian schools, as they have so very little in common, and after all the "best tenor" will always remain, like many other things in music, a matter of purely personal opinion. All the same, I am surprised that none of your correspondents has even mentioned those two fine tenors, Jean de Reszke and Philip Brozel.

Yours faithfully,

R. ANSELL WELLS.

Brampton, Huntingdon, April 23.

[It may be of interest that only one record of Jean de Reszke's voice is known to be in existence. This is a phonograph cylinder stated to be the possession of the Royal Family, and was made for herself at the special request of Queen Alexandra. It will be recalled that WORLD-RADIO published in the early part of last year two articles on the subject of the art of singing, which dealt particularly with Jean de Reszke and Philip Brozel.—Ed.]

POINTS FROM LETTERS

The Greatest Tenor?

There are lyric tenors, dramatic tenors, and robust tenors. I was surprised that not one of your readers recalled those two fine lyric tenors, Antonio Cortis and Edward Johnson, the latter being the favourite tenor of John McCormack. I have rarely heard a tenor make use of the *mezza voce* effectively; in the majority of cases this term is the pseudonym for *voce di testa*, or, more commonly, falsetto, this, at times, being very offensive, as are Gigli's aspirates. Cortis is a master in the use of the *mezza voce*. At the moment I can think of no true *tenore robusto* (robust tenor), the nearest I

can recall is Pertile. Gigli is a lyric tenor, and not a *tenore robusto* as is often supposed. The late Tamagno was a true tenor of this type, and for that reason Verdi wrote *Otello* specially for him.—"Melomane" (Hendon).

... what I find not a little baffling is the unaccountable absence from the scroll of the illustrious name of Alfred Piccaver, whose voice I can only describe as a steady stream of caressing but controlled magnificence.—G. R. (Dorset).

Surely among the best singers of "Che gèlida manina" one should place Heddle Nash, yet in not one letter has his name been mentioned. Who could wish for, or hear, a better Don Ottavio (*Don Giovanni*), Ferrando (*Così Fan Tutti*), Almaviva (*Barber of Seville*), Rodolfo (*La Bohème*), Duke (*Rigoletto*), than Nash? And when we know he is the perfect David (*Mastersingers*) it seems to me he should be put among the great tenors.—R. W. (Birmingham).

I cannot say that Jan Kiepura is in the same class as Gigli. I have heard a number of English singers as good as Kiepura, and in most cases better—Joseph Hislop, Walter Widdop, Browning Mummery. All these have sung with great success throughout the world. No mean feat for Britons! Tenors in my opinion rank as follows: 1. Gigli; 2. Pertile; 3. Schipa; 4. Melchior; 5. Zannelli; 6. Kiepura.—S. G. (Brownlow Hill).

Gigli is my ideal singer, and my opinion is that none equals him to-day (I have heard the best), although I quite agree with "The-same-date-please" reader regarding Caruso's records. Does any reader know whether Tauber sings "Che gèlida manina" on a record? If so, what number, please?—"A MIDLAND MINER" (Staffs).

I would have had no hesitation in placing the great Belgian, Fernand Anseu, as the finest living tenor. At Covent Garden a few years ago his Canio in *Pagliacci* created a sensation. He has few recordings to his credit, I believe. Of course, the late Enrico Caruso has never been replaced, but in my opinion this immortal Italian was never a real tenor, but a phenomenal baritone-tenor. Have any of your readers heard the late Knote or John O'Sullivan? The latter appeared frequently in the Paris Opéra in Meyerbeer's *Les Huguenots*.—L. DI L. (Bradford).

I take exception to G. L. (Harrow) for referring to Gigli's recording of "Mi par d'udir ancor." Caruso's rendering is very fine, but Gigli's *mezza voce* style is more applicable to this particular aria. Has "G. L." heard "Cielo e mar" sung by Gigli? If so, that alone should prove the greatness of this fine artist. Regarding present-day sopranos, I personally favour Galli-Curci, followed by Giannini and Elisabeth Schumann. I should be interested to hear that my opinion that Ruffo is the greatest baritone ever is endorsed by your readers.—F. G. T. (Brighton).

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

SUBSCRIPTION RATES

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

Other periods pro rata. Prices include postage.

Subscriptions to Publications Dept., Broadcasting House, London, W.1, or 8-11, Southampton St., London, W.C.2

Jubilee Broadcast

Exide AND Drydex BATTERIES

used exclusively by Film Industries, Ltd.
in all their official amplifiers relaying the
B.B.C. programmes to the waiting crowds.

And in your own home what better assurance
of perfect reception than to follow this high
example?

*Exide and Drydex Batteries are obtainable
from Exide Service Stations and all
reputable dealers*

EXIDE BATTERIES, Exide Works, Clifton Junction, near Manchester

BRANCHES AT

London, Manchester, Birmingham, Bristol, Glasgow, Dublin, Belfast

NEWS FROM ABROAD

(From our Correspondents)

Eiffel Tower Weather Reports

In order to give satisfaction to many listeners in distant parts of France, the service of weather reports which was formerly given by the Eiffel Tower is now being given by Radio-Paris at 8 a.m., 12.45 p.m., 7.15 p.m. (7.30 p.m. on Thursdays and Saturdays), and 10.30 p.m.

Ex-Minister's Appointment

M. Jean Mistler, a former Minister of Posts, Telegraphs, and Telephones in the French Government, has been appointed by M. Mandel, the present Minister, as president of the Committee of Co-ordination of Broadcasting for 1935.

At Toulouse

It is announced that the State station of Toulouse Pyrénées has been completed and will shortly begin transmissions. Coincident with this announcement is the celebration of its tenth birthday by the private station, Radio-Toulouse.

Concerts from German Stations

The concert programmes of the German stations have been rearranged as follows:—Early morning concerts from 6 to 8 o'clock; Lunch-time concerts from 12 noon to 2 p.m.; Afternoon concerts from 5 to 6.30 p.m.; Late concerts from 10.30 p.m. to 12 midnight, extended to 1 a.m. on Sundays and Saturdays for the Deutschlandsender and the Berlin stations. The concerts broadcast from Frankfurt and Stuttgart from 12 midnight to 2 a.m. on several evenings of the week will be continued

as hitherto, special importance being attached by the German authorities to the cultural value of these concerts, which are always announced in five languages. Finally, every Thursday night from 12 midnight to 1 a.m. Hamburg will broadcast a concert destined primarily for listeners in Scandinavia.

More German Listeners

On April 1 German listeners totalled 6,725,216, an increase of 125,495 over the figure for March 1. The total includes 474,072 free licences.

Listening in Hungary's Taxis

Receiving sets in motor-cars are already common in many countries, but the idea has been adopted in Hungary only recently. The Minister for Commerce and Traffic has recently issued an order regulating the use of radio in taxi-cabs, according to which the driver may not tune in the set, nor may he listen to the programmes received. Reception is not permitted between 10 p.m. and 7 a.m., nor when the cab waits. Taxicabs pay the ordinary licence fee and cannot add an extra charge for the receiver to the regular fare.

"When It's Cherry-Blossom Time"

Through the co-operation of the Osaka Railway Division, the JOBK, Osaka, station is broadcasting reports on the progress of this year's cherry blossom in Japan. This innovation is being continued for twenty-five days. The cherry trees are blooming unusually early this year, owing to the exceptionally mild winter and early spring.

"Tightening Up" in the U.S.A.

Several changes have occurred recently in the personnel of the U.S.A. Federal Communications Commission. Judge E. O. Sykes, Chairman of the Commission and Mr. Thad H. Brown, a Commissioner, have resigned, their places being taken by Mr. Anning S. Prall (Chairman) and Mr. Norman S. Case. The changes in the ranks of the seven Commissioners have been brought about principally by Congressional criticism of the now defunct Federal Radio Commission and of the Broadcast Division of the F.C.C. Matters came to a head during questioning of the F.C.C. Commissioners before the Senate Interstate Commerce Committee. Senators complained about the lax regulation of broadcasting and the part that politics played in the handling of applications for broadcasting time. The appointment of the two new Commissioners followed promptly upon orders from the White House. Judge Sykes, now becomes head of the Broadcast Division of the F.C.C., and Mr. Brown becomes a member of the Telephone Division. Broadcasting licence applicants and holders applying for renewal who could command strong political support were able, in the past, to put pressure on the Federal Radio Commission, and there was a general laxity in the observance of broadcasting rules. This has been frankly admitted in a letter sent by the Commission to all stations warning them that henceforth they will be required to adhere strictly to Federal regulations. The F.C.C. has made it clear that much dubious radio advertising must cease at once. This refers particularly to "cure alls" of a quack medical nature, and to all products regarded as dangerous or spurious by the Federal Trade Commission. Certain stations have been warned that continued advertising of such products will be held against them when application for renewal of their licence is made.



BARTHOLOMEW'S GRAPHIC ATLAS OF THE WORLD

To publish a general Atlas of the World at the price of a new novel is a task undertaken by few. The production, however, is in no way "cheap"; the only cheap part is the price. The atlas contains 128 pages of fully coloured maps of every part of the world, along with an index of 64 pages, is excellently printed on high-class paper, is very strongly bound in cloth boards and finished with an arresting coloured jacket. The size of the book is 10½ in. by 7½ in. by 1 in.

JOHN BARTHOLOMEW & SON LTD.

Cartographers to H.M. the King

12 Duncan St., Edinburgh. 66 Chandos St., W.C.2

MAP LIST FREE ON REQUEST.

7/6
NET.

The VALUE of the £ IS DOWN

(although the purchasing power is constant)

But the Superior Quality of
British Receivers is Still Up

Buy now and ask for literature regarding the famous British made HYVOLTSTAR UNIVERSAL ALL-WAVE RECEIVERS, with which you can tune in to any part of the world at full Loud Speaker strength, and which can be used on any voltages from 100 to 260 volts—even on private plants of 100 volts D.C.—with perfect results.

We also supply our various models in chassis form to enable Overseas buyers to make use of their own speakers and cabinets.

UNIVERSAL ALL-WAVE SUPERHET FIVE UNIVERSAL ALL-WAVE SUPERHET SEVEN

from 19 to 2,000 metres.

from 18 to 2,000 metres.

| | |
|--------------------------------------|---|
| Chassis complete with valves 14 gns. | Chassis complete with valves 22 gns. |
| Complete Table Model 18 gns. | Complete Table Model 26 gns. |
| Table Radiogram 24 gns. | Table Radiogram with Automatic Record Changer 40 gns. |
| | De Luxe Model 50 gns. |



Overseas Distributors Wanted.

UNIVERSAL HIGH VOLTAGE
RADIO LTD.,

28-29, SOUTHAMPTON STREET,
TRAND, LONDON, W.C.2. England

The Most Convenient of all



AERIALITE
TRAPEZE

"They come through the air with the greatest of ease, the most distant signals on Aerialite Trapeze."
This may not be very good verse, but it is very good advice to tell you to fit Aerialite. Fixed in a moment to wall or chimney. No unsightliness, no danger.

PRICE
9/-

complete with fittings, including 50ft. of Aerialite Insulated Down Lead.
The Aerialite signal-collector is unique. The most compact aerial ever devised. From all Aerialite dealers, or direct.

AERIALITE, LTD.,

Junction Mills, Whittington Street,
ASHTON-under-LYNE.

ELECTRIC CLOCKS

SPECIAL Offer.—Superior A.C. mains electric clock movements, 200-250v., 50 cycles, drive up to 10-inch hands; 16/6, post 6d.—Write details, Ebury Bridge Radio Co., 33, Ebury Bridge Rd., S.W.1. Phone: Sloane 8407.

SPECIALISED TRAINING

WIRELESS.—Youths trained for all Branches of this progressive profession under ideal conditions. Boarders accepted. Training fee can be paid after appointment. Prospectus free.—Wireless College, Colwyn Bay.

SITUATIONS VACANT

10,000 FOREIGN CORRESPONDENTS wanted. Students of the new International Shorthand can write to correspondents in every country, though entirely ignorant of each other's language, in 30 days. Send stamp for illustrated booklet to Secretary, Association of International Correspondents, Deck 3, 8, Somersby Grove, Skegness.

MICROPHONE PERSONALITIES

Bilboquet

(From our Paris Correspondent)

ONE of the most popular artists broadcasting in France is undoubtedly Bilboquet, the clown, and it is difficult to know whether his popularity is greater among grown-ups or among children. He himself says that he is a "pitre," which is between a clown and "Auguste," but although this may be explanatory for the initiated, I am afraid that the distinction is too subtle for me.

When performing at the Théâtre Petit Monde in 1924 he was asked whether he would give a sketch from "Radiola," as the private station of Radio-Paris was called in those days. He agreed, got his sketch-writer, François Bontemps, to write him a sketch entitled "Bilboquet à la T. S. F." ("Bilboquet at the Wireless"), and broadcast it in October of that year. It was so successful that he broadcast again on Armistice Day, and has been in great demand ever since.

Incidentally, all his sketches are written by François Bontemps, which, Bilboquet informed me, is his own name, all his sketches being written by himself.

When he first broadcast he thought that it was only an incident in his professional life, but he has become known to millions as a result of that incident, and his microphone career has been such that he has now given over nine hundred broadcasts at the rate of nearly a hundred a year. The bulk of them have been given from Radio-Paris, though he has also performed from Paris PTT, and on two occasions from Savoy Hill in surprise items.

His "Ah! Ah! Ah! Bonjour, Monsieur" is his "signature tune," and he is identified immediately by these introductory words, uttered in his inimitable way.

His wireless entertainments can be divided into three categories. "Bilboquet and his Partner" consists of a duologue with a partner acting as a foil, during which Bilboquet plays on words and makes many puns. His "Circus" is an imitation of a travelling circus, with the usual country crowd, horses galloping round the ring, performers jumping through a hoop, animals roaring, and so on. And his "Guignol" is an imitation of a French Punch and Judy show with a crowd of children whose laughter and comments add realism to the performance. Bilboquet's broadcasts are essentially for the family, and he is very careful not to include jokes of a doubtful character or in bad taste.

His wireless engagements have interfered with his provincial appearances, but did not prevent him appearing for four months at the Cirque d'Hiver, Paris. Naturally, he has been in request



as a gramophone artist and, indeed, received the Grand Prix du Disque in 1930. He has many imitators, some of whom have gone to the extent of using his stage name with a slight variation, and he has been obliged to take judicial action to prevent such infringement.

He has never appeared on the English stage, though he would like to do so.

A terra-cotta statue of Bilboquet (a photograph of which is reproduced here) is being unveiled by its sculptor, Georges Regnaud, at the Salon des Artistes Français, which opened at the Grand Palais, Paris, on April 30.

HOW TELEVISION WORKS

(Continued from page 11)

scheme of a television light modulator employing this method is shown in Fig. 3(b), and forms probably the most satisfactory method of receiving the low definition pictures at present broadcast by the B.B.C.

Before we leave the consideration of mechanical television receivers, mention should be made of the earliest method of reception of television. The first requirement is a neon lamp, made to give a uniform area of light of the same size as the final picture is required to be. In front of this is placed a disc which is punched with a spiral of holes. The disc is rotated and the observer looks straight at the disc. Each hole of the disc corresponds to one line of the transmission, and allows the eye to see at any instant only the particular element of the illuminated surface of the neon lamp for which the corresponding element is being transmitted, and, therefore, the observer sees the built up picture. This method suffers from the disadvantage that a picture in black and white is not obtainable, and there is, of course, the additional fact that only a small picture is produced.

(To be continued)

BUILD YOUR ELIMINATOR

WITH A RELIABLE

WESTINGHOUSE

METAL RECTIFIER

AND "INSURE" YOUR HIGH-TENSION SUPPLY

Send 3d. for a copy of "The All-Metal Way, 1935," which contains full particulars and circuits.

WESTINGHOUSE BRAKE & SIGNAL CO., LTD.,
82, York Road, King's Cross, London, N.1.

SHUT OUT INTERFERENCE!

VACUUM CLEANERS
SEWING MACHINES
MEDICAL APPLIANCES
DRILLS

List No. P50
PLUG-IN MODEL

From all the best dealers. In case of difficulty send direct.

PRICE 5/6

BULGIN
because it pays to buy QUALITY

All domestic appliances—fans, sewing machines, vacuum cleaners, etc.—are prolific sources of noise. Your radio reception will be ruined if you do not use a reliable Suppressor.

This Bulgin Interference Suppressor is a definite answer to main-borne interference. Stamped with that hall-mark of quality which is the birthright of every Bulgin product, this instrument is as dependable as the day. It necessitates no alterations to house wiring. It simply plugs in. And, with typical Bulgin thoroughness, the .25 mfd. condensers incorporated are tested on 1,000 volts.

This model is intended only for slight interferences, and is not suitable for coping with heavy disturbances such as those set up by trams, electric trains, etc.

LIST NO. P50, 5/6.

Please send, post free, 80-page Catalogue, No. 154 "M." I enclose 3d. in stamps.

NAME

ADDRESS

(Use block letters.)

Foreign Languages

FRENCH

Tuesdays, 6.50-7.20 p.m. (National Programme).

Here is part of the French dialogue which was broadcast last Tuesday. The two characters are Pierre Forestier and his sister-in-law Madeleine Boissel. They have a breakdown while motoring in the country.

UNE PANNE À LA CAMPAGNE.

Madeleine—Pierre, qu'est-ce donc que ce bruit? Ecoutez! Toc, toc, toc.—Pierre. Ma foi, je ne sais pas trop; mais depuis un bon moment la voiture ne marche pas très bien.—M. Comment! mais nous n'allons pas avoir de panne, j'espère.—P. Pourquoi pas? Tous les automobilistes ont des pannes de temps en temps.—M. Allons bon! nous voilà bien! la voiture s'arrête tout à fait. Nous n'avons vraiment pas de chance.—P. Pas de chance? Au contraire, nous aurions pu rester en panne au beau milieu de la route, en pleine campagne, loin de tout secours.—M. C'est vrai, je n'y avais pas pensé. A propos, est-ce que nous trouverons un garage et un mécanicien dans ce village?—P. Espérons-le; aujourd'hui on trouve des garages un peu partout. En tout cas, nous serons vite renseignés, il n'y a qu'à demander.—M. Attendez, Pierre; je vais chez l'épicière, en face.

Madeleine se renseigne chez l'épicière, et on lui indique le garage de M. Lafitte, qui se trouve à deux pas. Après avoir examiné l'auto, le mécanicien déclare qu'il lui faudra trois heures pour faire les réparations.

Madeleine—Une affaire de trois heures? Mais c'est affreux! Pierre: Ah! mille tonnes! il ne manquait plus que ça. Qu'est-ce que nous allons bien pouvoir faire ici pendant trois heures? C'est à mourir d'ennui.—M. Allons, allons, Pierre, ne vous impatientez pas; nous en avons pour trois heures, c'est réglé; inutile de vous faire du mauvais sang.—P. Je le sais bien; seulement je voulais rentrer vers les six heures; avez-vous donc oublié que nous devons dîner chez les Brissac, ce soir?—M. Ah! c'est vrai; le fameux dîner des Brissac, leur dîner annuel; le plus ennuyeux des dîners. Par ma foi, vive la panne! Remerciez donc la Providence, Pierre; car elle veille sur vous, puisqu'elle vous envoie une bonne petite panne, et vous fait échapper à une pénible corvée.—P. Mado, vous êtes une sans-cœur. Ces pauvres Brissac seront désolés; ils comptent sur vous pour mettre un peu de vie dans cette compagnie de vieux messieurs et de vieilles demoiselles. D'ailleurs, vous avez promis de chanter et de jouer du piano.—M. Tiens! je n'y pensais plus. Eh bien! tant pis! Nous téléphonerons avant de partir pour leur expliquer la situation.—P. En attendant, qu'est-ce que nous allons faire ici pendant trois heures?—M. Faisons d'abord le tour du village; il doit y avoir des choses à voir ici.—P. Y pensez-vous? Il n'y a pas de grands magasins dans ce petit trou.—M. Qui vous parle de magasins? Il y a l'église, par exemple, et de vieilles maisons que j'ai remarquées en arrivant. Par ici, tenez, il y a des vieilles maisons pittoresques.—P. Regardez donc ces pignons; qu'ils sont étranges!—M. Comme il ferait bon vivre dans une de ces antiques maisons! Savez-vous, Pierre, qu'un de ces jours je m'en vais quitter Paris pour venir m'enterrer ici.—P. Allons bon! vous voilà emportée par le rêve, l'imagination, la fantaisie. Mais, ma pauvre Mado, si vous veniez vous enterrer ici, comme vous dites, vous mourriez d'ennui au bout de huit jours.—M. Taisez-vous, mon cher beau-frère, vous ne savez pas ce que vous dites. Ah! ciel! je suis une âme incomprise.—P. Venez donc par ici, Mado; de ce coin-ci nous aurons un joli coup d'œil sur tout un côté du village. Regardez par là-bas, c'est bien comme effet, hein?—M. Vraiment épatant; le vieux pont sur le canal est original.—P. Oui, et le canal lui-même n'est pas banal avec ses bateaux et son chemin de halage. Nous voilà à mille lieues de Paris et de la civilisation moderne.

E. M. STÉPHAN.

Esperanto Transmissions

Sunday—Huizen, 11.40 p.m., La instruadproblemo en Orientafriko kaj ĝia influo je la Misio. Monday—Rome and relays, 6.30 p.m., Komunikilo pri la 27-a Universala Esperanto-Kongreso. Wednesday—Warsaw, 9.30 p.m., Poloj en la vicjo de Nobel-laŭreatoj. Vienna, 8.10.45 p.m., H. Steiner: Humoro el Vieno. Friday—Rome, 6.30 p.m., Same kiel lunde. Nice-Juan-les-Pins, 7.30 p.m., Anekdotoj por progresantoj. Saturday—Eiffel Tower, 4.30 p.m., Turismo: La Savoie. Hilversum, 8.10 p.m., Pri Esperanto Literatura. Leningrad (1,224 m.), 10.20 p.m. Rusaj aktualoj.

GERMAN

Thursdays, 6.50-7.20 p.m. (National Programme).

Translation of Poem, Pamphlet, p. 16. The shadows stand still along the edge of the wood, the evening breeze is coming to rest. It hovers as a gleam between the trees and urges all our senses to dreams.

Clouds sail into the distance, out of the pale blue; golden (1) stars twinkle.

Slowly the gate of the sun closes, clouds push the bolt before it.

Slowly the last shimmer disappears.

And my earth, growing dark, is all alone (2).

1. gelbblühend, flowering yellow. 2. mutterseelenallein, alone like a mother's soul.

Translation of the Reading Text, Lesson 29, pp. 139-140.

And this is how it had happened: While (*lit.* When) Stoffel was still sitting outside the front door, two jolly (merry) fellows came along (*lit.* passed by). One of them carried the third libel on the palm of his hand. The side which was written on was lying on his hand, the other (*lit.* outer) side was spread with paste (dough) so that he could stick the libel on to the door in passing. When they saw the registrar's servant, whom they knew well, sitting in front of the door, one of them said: "Good evening, Hansstoffel. What(ever) are you doing here? I suppose you cannot get in." Then (=in reply) he told them why he had to sit in front of the house and for how long, and that he was already bored as nobody appeared to be coming. Then (=to this) one of them said: "The lights in the small town are out (*auslöschen*, to put out), the public-houses are empty and we are the last two (people) to go home (who are going home). So you may go to bed with an easy mind (with God's blessing)." But the other, who had the paper on the palm of his hand, as he went away, patted Hansstoffel on the back in a friendly way so that the paper stuck to his coat, and said: "Good-night, Mr. Hansstoffel, sleep well." "The same to you," said Stoffel, and went into the house. When the two were round the corner one of them crowed like a cock.

Thus Hansstoffel himself brought the libel into the registrar's room. (It's true=*zwar*) the latter thrashed his servant all round the room and broke a few mirrors in doing so (=dabei), but he himself had to bear the damage. He could not discover the authors because they thought: "It is for the wiser man to give in (*approx.* Discretion is the better part of valour). We will give it up before we get into prison."

Answers to Test on the Relative Pronouns (see issue April 19).

1. Der Mann, dessen Sohn die Prüfung bestanden hat. 2. Der Mann, dessen Tochter die Prüfung bestanden hat. 3. Der Mann, dessen Kinder die Prüfung bestanden haben. 4. Die Frau, deren Sohn Arzt werden will. 5. Die Frau, deren Tochter Ärztin werden will. 6. Die Frau, deren Kinder krank geworden sind. 7. Das Kind, dessen Vater Künstler ist. 8. Das Kind, dessen Mutter Künstlerin ist. 9. Das Kind, dessen Eltern Künstler sind. 10. Die Leute, deren Garten (Gärten) sehr schön ist (sind). 11. Die Leute, deren Katze (Katzen) fortgelaufen ist (sind). 12. Die Leute, deren Häuser (Häuser) verkauft worden ist (sind).

Key to Lesson 27, Revision to I.A. (i), p. 133

Er schreibt, dass sie in den Ferien an einem See waren; dass sie jeden Tag baden gingen; dass Karl nicht schwimmen konnte; dass er ihn schwimmen lehrte; dass er es sehr schnell lernte; dass er es nach fünf Tagen schon konnte; dass er auch tauchen wollte, aber er (es) ihn nicht versuchen liess; dass der Morgen immer sehr schön war; dass sie die Vögel pfeifen hörten und die Sonne aufgehen sahen.

Revision to I.A. (ii). Er schreibt, dass sie . . . gewesen sind; dass sie . . . gegangen sind; dass Karl nicht hat schwimmen können; dass er ihn schwimmen gelehrt hat; dass er es sehr schnell gelernt hat; dass er es . . . gekonnt hat; dass er auch hat tauchen wollen, dass er (es) ihn aber nicht hat versuchen lassen; dass der Morgen immer sehr schön gewesen ist; dass sie die Vögel haben pfeifen hören und die Sonne haben aufgehen sehen.—(To be continued.)

MAX KROEMER.

ITALIAN

(Italian lessons for beginners are broadcast from Rome, Turin, and other Italian stations on Wednesdays and Fridays, at 8.10 p.m.)

Remarks on Verbs: the imperfect tense.

The imperfect tense is used in the four following cases (explained on April 24): in description or to represent repeated action; to express two actions performed simultaneously; to express an action in progress which is interrupted by another; to render the English "could" and "should." It is also used instead of the past tense to lay special stress on the action: *quella notte essa ABBANDONAVA la casa* (that night she abandoned the house) and, again, in referring to something done or said shortly before speaking: (*In Italia, come LE DICEVO, abbiamo olio eccellente* (in Italy, as I was saying, we have excellent oil). The imperfect is also employed to express attendant circumstances or the meaning of the speaker, when these details are not essential to the narrative: *Ho castigato mio figlio per il suo bene, anche se le sue lacrime mi commovevano* (I punished my son for his good, even if his tears moved me).

In sentences which describe an action in progress being interrupted by another action, the student will find that the imperfect tense is used for that of the two actions which he would render in English by the present participle with the auxiliary to be: *Io DORMIVO quando egli entrò nella stanza*, I WAS SLEEPING, when he entered the room (not: I slept when he WAS ENTERING the room).

Auxiliary Verbs.

The compound tenses of the verb *essere* are conjugated with the same verb and not with *avere* as in English: *Io sono stato* (I have been). As a general rule *avere* is used with transitive verbs, and *essere* with intransitive verbs: *Io ho mangiato* (I have eaten), *Io sono rimasto* (I have remained). English sentences in which a present participle is used with the auxiliary to be are usually rendered in Italian by the present or the imperfect tense of the Indicative Mood: I am studying Italian: *Io studio l'italiano*; We were talking of you: *noi parlavamo di Lei*. When the English to be is used in the present tense, it may be rendered in Italian by the present tense of the verb *stare* (to stay); I am studying Italian: *Io sto studiando l'italiano*. This also applies to the past tense, but is not very frequently employed: We were talking of you: *Noi stavamo parlando di Lei*.

Certain verbs which are transitive when used with *avere* become intransitive with *essere*: *Sono sceso in cantina* (I have descended to the cellar); *Ho sceso le scale* (I have descended the stairs). Although verbs indicating motion generally take *essere* (*sono fuggito*, I have fled) there are certain exceptions which take *avere* (*abbiamo passeggiato*, We have walked; *abbiamo corso*, we have run).

Construction: Some Remarks.

The verb generally takes the number, person and gender of the subject; but there are cases when the verb is used in the singular with subjects and objects in the plural, the impersonal form being employed: *quando si E troppo generosi* (when we are too generous); *che tranelli crede Lei che ci sia in questo contratto?* (what snares do you think there are in this contract?) The accusative precedes the dative or genitive case, whereas in English the dative usually follows the verb: The teacher gives the children bad marks when they are negligent: *La maestra dà cattivi voti ai bambini quando sono neglenti*. I have given your dog a biscuit: *Io ho dato un biscotto al Suo cane*.

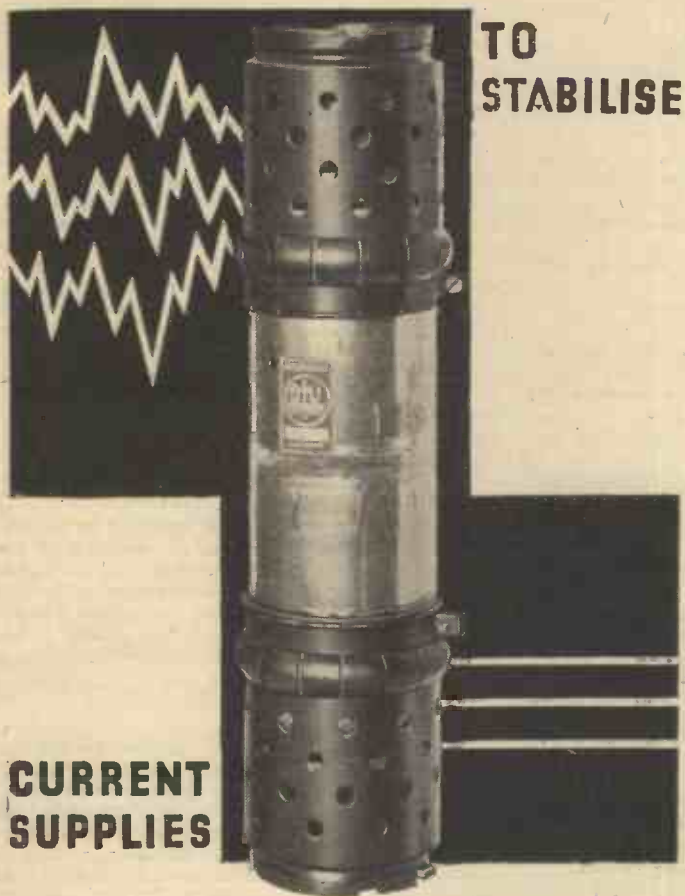
When a conjunction is placed between two nouns subjects, the verb may be used in the singular: *Non esiste uomo o bestia che lo obbedisca* (there exists no man or beast who obeys him).

The auxiliary is not repeated before two or more participles: *Sono stato nutrito, vestito e pagato* (I was nourished, clothed and paid).

Text of dictation given on April 26:—

"Vorrei lavarmi i capelli, c'è qualcuno di libero?"—"Aspetti un momento, Signorina, sarà libero tra dieci minuti."—"Vorrei anche ondulazione ad acqua. Vuole tagliarmi i capelli? Sono troppo lunghi dietro. Preferisco la divisa a destra."—"Vorrei farmi la barba ed i capelli, per favore."—"Vuole rasare i baffi?"—"No, li tagli all'Americana." "Va bene così." "Quanto devo?"

LISA SERGIO.



**CURRENT
SUPPLIES**

An efficient and convenient method of dispensing with storage batteries or mechanical current supply stabilisers is now available in the Marconi-Stabilovolt glow gap divider.

Marconi-Stabilovolt systems capable of stabilising voltages up to 600 with a maximum current drain of 200 milliamperes are available.

A fluctuation of only 1 or 2 per cent. at any condition between full and no load is ensured, and only ± 0.1 per cent. on supply voltage variations of ± 10 per cent.

MARCONI
• STABILOVOLT •

Full particulars from: —

Marconi's Wireless Telegraph Co., Ltd.,
Electra House, Victoria Embankment, London, W.C.2.

The essential link in
Short-wave listening
—Your Headphones



—they simply must be

Ericsson

A short-wave set, however good, with poor 'phones is like a man with one ear. You simply cannot pull in the distant stations on any wavelength at decent strength, and short waves are tricky things.

So hook up Ericsson Telephones on your present set . . . you'll be pleasantly surprised at the wonderful difference they make. Their sensitivity is positively uncanny.

Three resistances—
one price
120, 2,000 and
4,000 ohms.

12'6

Sturdily built to stand up to the hardest wear, they retain their sensitivity, and rest very comfortably on the head over long spells. Buy a pair today and try for yourself.

At all good radio dealers. If you have any difficulty in procuring, write direct to:—

ERICSSON TELEPHONES, Ltd.
67-73 Kingsway, London, W.C.2, Eng.
Telephones: 3271/3 Holborn.

Ericsson

**BRITISH
SUPERSENSITIVE
TELEPHONES**

WORLD RADIO RESEARCH LEAGUE: SECRETARY'S ANNUAL REPORT

Interaction of Radio Waves

BEFORE I proceed with the next problem I should like to mention a few points which are of immediate interest to our members. In the first place, anniversary congratulatory messages continue to arrive in large numbers, the latest batch being of U.S.A. origin. Unfortunately, lack of space prevents me from publishing them all. I ask our friends to excuse me in this respect for the time being, especially as I shall incorporate every message in the W.R.R.L. Handbook, which is in active preparation now, as a guide for our members in connexion with all our problems. This handbook will be published just before the next Wireless Exhibition under the title "Propagation of Wireless Waves" and will contain all the elementary facts as well as all the W.R.R.L. problems.

Signal Strength Graphs

I had the pleasure of sending to Dr. G. F. van Dissel, the Chief Engineer of the League of Nations, and to Mr. T. J. Monaghan, B.Sc., M.I.E.E., M.Inst.C.E.I., the Chief Engineer of the I.F.S. Post Office, graphs showing signal strength against distance of their respective stations. Here are extracts from their letters. Dr. Van Dissel says: "I wish to thank you very specially for the graphs of our transmissions between June 10 and July 25, 1934. These graphs are most valuable material for us as we have always under consideration the use of our station for European broadcasting, and I am most grateful to you for having taken the trouble to work them out."

Mr. Monaghan says: "I am very grateful for your letter of the 16th inst. enclosing a graph showing the results obtained by your observers of the strength of the Athlone signals. This graph and the information given in your penultimate paragraph of the best time of signal and increase from 21.00 to 22.00 G.M.T. are most valuable to us here." So here is another bit of useful work done, and many thanks to all our members who have helped me to get this information.

The register of members who have materially contributed to our work during last year is at last complete, and members will be hearing from me shortly.

Professor C. Størmer's Request

I have been honoured by the following request from Professor Carl Størmer: "On March 24, 1935, at 7 p.m. G.M.T., a meteor left a luminous tail standing for half an hour in the upper air, a tail which was shining in the sun's rays. This phenomenon was observed from several parts of Southern Norway and from Denmark. From these observations it was possible to locate the tail over the North Sea, east of Hull, at a height of about 100 kilometres (approx. sixty-two miles). Would it be possible for members of the W.R.R.L. and all other readers of WORLD-RADIO and their friends who observed this phenomenon to send me their report at the earliest possible moment?" (Other W.R.R.L. official organs please copy.) I shall be glad to receive these reports so that I can forward them to Professor Størmer as soon as possible.

Spain

Will our Spanish members please note that, as from this date, Señor Michel de Champourcin, having left Spain for the Philippines, ceases to act as our Hon. Representative for Spain, and that his place has been taken by Señor Fernando C. Escribano, Director of the well-known Spanish technical journal—and one of our official organs for Spain—*Radio Tecnica*, while Señor de Champourcin will act as Hon. Representative of the W.R.R.L. in the Philippines? I

am exceedingly grateful to Señor de Champourcin for all he has done for us in Spain, and I wish him the best of luck in his new sphere of action. Our thanks are also due to Señor Escribano for taking over our former Spanish representative's duties. Incidentally, our membership is now firmly established in seventy-eight countries.

The "Interaction" Problem

The problem of interaction of radio waves proved to be one of the signal successes of the W.R.R.L. and has shown to the scientific world that an amateur organisation stiffened by scientists can be of great help in research work when world-wide observations are required. As Dr. L. G. H. Huxley said in his message to us: "Without such co-operation this information would only have been obtained at great expense and over a long period."

The story of interaction of radio waves begins with the letter to the Editor of WORLD-RADIO,



Charles A. Morrison

President, International DXER's Alliance (U.S.A.)

published on April 28, 1933, from Mr. A. G. Butt, of Lipson, Plymouth. In this letter Mr. Butt stated that he heard a weak background of Radio-Paris (1,648 metres, 182 kc/s, 80 kW) on the Luxembourg transmission (1,304 metres, 230 kc/s, 150 kW). Since these two stations are separated by 48 kc/s—a separation which is usually dealt with successfully even by an unselective receiver—Mr. Butt's discovery received a great deal of attention in scientific and amateur circles. It was soon proved by Dr. B. D. H. Tellegen, of Messrs. Philips' laboratories at Eindhoven, Holland, that such interference really exists, that it is entirely independent of the receiver used, be it a straight circuit or a superhet, and that, therefore, it must be an ionospheric phenomenon.

In August, 1934, there appeared a paper in the *Philosophical Magazine* (Ser. 7, Vol. XVIII, p. 369), by Professor V. A. Bailey and Dr. D. F. Martin, of the Sydney University of Australia and the Australian Radio Research Board, in which they gave the mathematical theory of the phenomenon in question. In this paper, which is entitled "The Influence of Electric Waves on the Ionosphere," and which I have in front of me, the authors have predicted a number of things which the W.R.R.L. members have confirmed in a most striking manner. It should be remembered that the authors could not confirm their own predictions in Australia, where there are no powerful stations and therefore no interaction taking place.

Thus, it appeared that it is possible for a powerful long-wave station to influence in the ionosphere any medium-wave passing within a certain distance of it, in such a way that the long-wave programme is superimposed upon the medium-wave programme and the former is heard as a comparatively weak background. When we started working we knew the effect as the "Luxembourg effect," since Butt reported Luxembourg to have a background station, and since, later, it was discovered that Luxembourg itself superimposed its programme on many stations of the medium-wave band.

At the time when the W.R.R.L. took up this problem, at the suggestion of Professor E. V. Appleton, F.R.S., all we knew was that the effect existed and that it had been heard on one or two stations. We announced the new problem in WORLD-RADIO on October 5, 1934, and a week later in all our European official organs. The first reports reached me on October 13, 1934.

Our members soon discovered that Luxembourg gives a background not only to one or two stations, but affects all the following stations: Fécamp (206 m.), Nürnberg (236.8 m.), Trieste (245.5 m.), Frankfurt (251 m.), Breslau (315.8 m.), Brno (325.4 m.), Graz (338.6 m.), London Regional (342.1 m.), Strasbourg (349.2 m.), Berlin (356.7 m.), Milan (368.6 m.), Leipzig (382.2 m.), Munich (405 m.), Rome (420.8 m.), Cologne (455.9 m.), Prague (470.2 m.), Florence (491.8 m.), Vienna (506 m.), Stuttgart (522.6 m.), Athlone (531 m.), Beromünster (539.6 m.), and Budapest (549.5 m.).

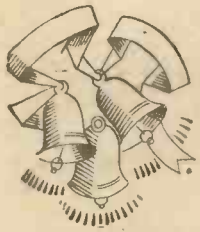
In a similar way it was established that Droitwich (1,500 m., 200 kc/s, 150 kW) gives a background to the following stations: Königsberg (222.6 m.), Trieste (245.5 m.), Frankfurt (251 m.), Bordeaux (278.6 m.), Midland Regional (296.2 m.), Poste Parisien (312.8 m.), Brussels No. 2 (321.9 m.), Hamburg (331.9 m.), London Regional (342.1 m.), Berlin (356.7 m.), West Regional (373.1 m.), Leipzig (382.2 m.), Scottish Regional (391.1 m.), Munich (405 m.), North Regional (449.1 m.), Cologne (455.9 m.), Brussels No. 1 (483.9 m.), Vienna (506.8 m.), Stuttgart (522.6 m.), Athlone (531 m.), Beromünster (539.6 m.), Oslo (1,154 m.), Kalundborg (1,261 m.), Luxembourg (1,304 m.), and Moscow (1,724 m.).

On November 24, December 8, 15, and 22, 1934, special tests were carried out from the Athlone station, thanks to the Chief Engineer of the I.F.S. Post Office, Mr. T. J. Monaghan, who had been good enough to place at our disposal the stations of Athlone and Dublin after broadcasting hours between 11 p.m. and 11.30 p.m. G.M.T. Normally, these two stations broadcast identical programmes, but on these occasions each station broadcast contrasted gramophone records so that it was possible to differentiate between the two transmissions. On the strength of these tests it was established that Athlone (531 m., 565 kc/s, 60 kW) gives a background to Dublin (224 m.), Belfast (307.1 m.), Scottish National (285.7 m.), Midland Regional (296.2 m.), Munich (405.4 m.), Luxembourg (1,304 m.), and even Droitwich (1,500 m.).

The background of Warsaw (this was predicted by Professor Bailey and Dr. Martin long before it was discovered) is heard on: Bratislava (298.8 m.), Breslau (315.8 m.), Brno (325.4 m.), Graz (338.6 m.), Munich (405.4 m.), Rome (420.8 m.), Belgrade (437.3 m.), Prague (470.2 m.), Vienna (506.8 m.), and Budapest (549.5 m.).

RALPH STRANGER.

Member R.S.G.B. Hon. Member Ligue Universelle de Recherches Radio-Electriques (Belgium). Hon. Member International Dx'ers Alliance (U.S.A.). Hon. Member Anglo-American Radio and Television Society. Hon. Member Chicago Short-Wave Club (U.S.A.).



Make the most of
the

JUBILEE CELEBRATIONS

Next best to witnessing the show
is hearing it on the wonderful new

FIVE of the latest multiple-function valves (including rectifier)—delayed automatic volume control—continuously variable tone control—illuminated full-vision dial with station names—superb cabinet.

KB

CAVALCADE

AC/DC SUPERHET
11½ GUINEAS

For full particulars of this and the other KB receivers, from £5 15s. to 28 guineas, write to Dept. W.R.
KOLSTER-BRANDES LTD., CRAY WORKS, SIDCUP, KENT

FOR TRUSTWORTHY RESULTS

WHEN TESTING INSULATION AND RESISTANCE



USE
MEGGER
TESTING
INSTRUMENTS

Write or 'phone to-day for Booklet No. W.R.174

“HOW TO AVOID ELECTRICAL BREAKDOWNS”

To: Evershed & Vignoles, Ltd.,
Acton Lane Works,
Chiswick, London, W.4.

Telephone:—Chiswick 1370. Telegrams: “Megger, Chisk, London.”

4-145

E.W.G.



“Listen...that's—
AUSTRALIA!”

With a “UNIRAD” All-Wave Receiver the world is yours to listen to—at a touch of the tuner. These six valve ‘quality’ superhets have the following unique advantages:—

SHORT! MEDIUM! LONG!
metres metres metres

Three Sets in One :- 15-65 220-530' 1100-1950
DAYLIGHT RECEPTION OF SHORT WAVES.
NO COIL CHANGES. REAL A.V.C. FULL,
PURE VOLUME. TONE CONTROLLED.
SHARP STATION SEPARATION. WAVE-
LENGTH TUNING by translucent scale on opaque
ground for each wave-band. PERFECT EASE OF
CONTROL. A.C. MAINS or BATTERY SET £29

Write for particulars. BUY THE CRITICS' SET!

UNIRAD SHORT-WAVE CONVERTER 13-55 metres.

Why not make your present A.C. mains receiver of 4 or more valves receive Australian, American and other distant short-wave stations. Wireless waves of 13 to 20 metres are best in daylight and are free from atmospheric interference. Get this novel and interesting entertainment during the long light summer evenings by adding this instrument to your set. Nothing to do but plug in. Suits all good Receivers. Write to us stating make and type of Receiver owned.
Price A.C. Mains only £8



UNIRAD

THE SET THAT GETS THE WORLD
UNION RADIO CO. LTD.,
CAMPBELL ROAD, CROYDON.

PITMAN'S RADIO BOOKS

THE SUPERHETERODYNE RECEIVER

By ALFRED T. WITTS, A.M.I.E.E. Deals with the Superheterodyne in its most up-to-date form. Service engineers and students particularly will find this book valuable. 128 pp. 75 illustrations. 3/6 net.

RADIO UPKEEP AND REPAIRS FOR AMATEURS

By ALFRED T. WITTS. The book for the ordinary set owner. Shows how to use radio sets, how to detect and remedy faults, etc. 160 pp. 5/- net.

MODERN RADIO COMMUNICATION (Vol. I)

By J. H. REYNER. Includes all recent developments, with full descriptions of the latest apparatus and instruments. 5th Edition. 330 pp. 5/- net. (Vol. II in preparation.)

WHO'S WHO IN BROADCASTING

Edited by SYDNEY A. MOSELEY. Biographical details of well-known Radio Stars and other broadcasting personalities. A most entertaining book. 160 pp. 3/6 net.

TELEVISION TO-DAY AND TO-MORROW

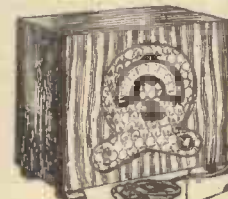
By SYDNEY A. MOSELEY and H. J. BARTON CHAPPLE. The standard book on the subject. For a full grasp of every detail this book is essential. (4th edition.) 208 pp. 7/6 net.

Write for a complete list of Pitman's Radio and Television Books, post free.

PITMAN,
PARKER ST., KINGSWAY, W.C.2

AMAZING SHORT WAVE

Peto-Scott **NEW DISCOVERER H.F.3**



WORLD WIDE PROGRAMME RECEPTION MADE EASY!

Covering 12-96 metres, with a 12,000 mile tuning range, this wonderful Peto-Scott Short-Wave will enable YOU to know the thrill of programme reception from every corner of the world. Embodies many new technical refinements... the most up-to-date short wave circuit yet produced.

FINISHED INSTRUMENT READY TO PLAY

Comprises H.F. PENTODE DETECTOR and PENTODE OUTPUT VALVES. Incorporates 100-1 Slow Motion Tuning; Tuned Aerial and Grid Circuits; Slow motion reaction; Special Throttle Control Reaction Parallel Feed L.F. Amplification; Output Sockets for Speaker or Phones. Individually tested on American S.W. Stations. Complete with Valves and walnut veneered cabinet illustrated, less Batteries. Cash or O. O. D. Carriage Paid £8:0:0. Send TO-DAY for fully illustrated, descriptive leaflet.

10/-
DOWN

and 12 monthly payments of 14/-

Obtainable only from
PETO-SCOTT Co. Ltd. W. R. 15, 77, City Road, London, E.C.1.

West-end Showrooms, W. R. 15, 62, High Holborn, London, W.O.1.



H.T. LASTS YEARS if it's a Standard Wet Battery. Abundant, pure current. Cheap, annual replenishment. Re-charges itself overnight. No extra accumulators. 120v, 12,500 m.a. £2 carr. paid. Wates L.T. Battery £1 carr. paid. Write to Wet H.T. Battery Co., (W.R.) 95, Dean St., Oxford St., W.1.

a binding case to hold current copies of World-Radio

stoutly made, from good quality binding cloth, distinctly blocked in gold, corded so that the journal remains in place, and provided with a convenient pencil—it costs 2s. 6d. by post direct from the B.B.C. Publication Dept., Broadcasting House, Portland Place, W.1.

How Voltage, Current, and Resistance are Measured

It is a significant fact that an electrical measuring instrument is usually taken for granted as indicating correctly. Whether it is measuring the output of a turbo-alternator or the voltage of a low-tension wireless battery, when something goes wrong we seldom suspect the meter; and this speaks volumes for the careful design and accurate assembly of modern instruments.

There are numerous electrical measuring instruments used to-day, many of them specialist instruments seldom seen outside a power station or an electrical laboratory, but the most widely used are the voltmeter and ammeter used for direct and alternating current measurements, and the ohmmeter used for measuring resistance.

Broadly speaking, the quality of an ammeter or voltmeter depends upon the resistance of its moving parts. The resistance of the ideal voltmeter would be infinity, and that of the ideal ammeter nil, and the nearer these values are attained in practice, the nearer will the meter readings approach the true values of the voltage or current which it is desired to measure. The reason for this is that a voltmeter with a low resistance will consume an amount of current which will cause the voltage to fall, while a high resistance ammeter will, of course, reduce the current passing through it.

The range of an ammeter can always be extended by using a shunt, that is, a resistance connected across its terminals, and that of a voltmeter can be extended by introducing a resistance in series with the instrument. If, for example, an ammeter reads to 5 amperes and we place a shunt of the same resistance as the instrument across the terminals, it will read to 10 amperes and the scale readings must be doubled. In the case of a voltmeter, a resistance equal to that of the meter, connected in series with it, will double the readings shown on the scale. Also, an ammeter can be converted to a voltmeter and *vice-versa* by adding a resistance or shunt respectively.

In this way one instrument—which is in effect a galvanometer—can be made to serve for measuring current or voltage simply by using shunts and resistances of known values, and such combined instruments are often used although they are not capable of quite the same high degree of accuracy as the best one-purpose instruments.

Voltmeters and ammeters work on various principles according to the purpose for which they are required—for direct or alternating currents, or both.

Moving-Coil Type Instruments

The most widely used of all types of measuring instruments is the "moving-coil." The basic principle is that if a current is passed through a flat coil of wire, which is suspended between the poles of a magnet, it will turn upon its axis and the extent of the deflection will be proportional to the current flowing through the coil. One of the greatest advantages of this principle is that by increasing the power of the magnet the movement of the coil can be produced with an extremely small current, which means that the coil does not become heated and its resistance therefore remains constant.

Moving-coil voltmeters and ammeters possess scales which are uniformly graduated from zero to the maximum reading of the instrument. High-grade commercial instruments consist of a permanent cobalt-steel or tungsten-steel magnet, between the curved soft-iron pole pieces of which a cylinder of soft iron is mounted. A rectangular-shaped coil of wire, wound on a

It is often desirable to check the values of the voltage and current supplied to electrical apparatus, such as a wireless receiver, in order to determine if the operating conditions are correct. In this article a brief account is given of various types of instruments used for this purpose.

metal frame and carrying a pointer, is mounted upon jewel bearings and rotates in the space between the cylinder and the pole pieces of the magnet. Its movements are controlled by flat phosphor-bronze hair springs which also serve to lead the current to and from the coil.

Moving-coil instruments are universally used for direct-current measurements in wireless apparatus, motor-cars, and testing sets; and in conjunction with a rectifier, such as those of the copper-oxide type, for converting alternating current to direct-current, they are also used to measure alternating current.

A.C. Measuring Instruments

For the measurement of alternating currents or voltages, without first converting them to direct current, we are forced to fall back on to some electromagnetic property which is independent of the direction of the flow of current.

The most usual is the repulsion of two similar magnets. Two strips of soft iron or nickel-iron alloy, one of which is fixed and the other pivoted and carrying a pointer, are arranged inside a coil which carries the current to be measured. The effect of the current in the coil is to produce a magnetic field which magnetises the two strips in the same direction thereby causing them to repel each other.

The deflection of this moving strip varies with the strength of the current in the coil, but it is not directly proportional to it; consequently the scale of moving-iron instruments is not evenly calibrated, and the divisions are crowded together at the low readings and well spaced near the maximum. It is, in fact, often stated that the useful range of these instruments only begins at one-quarter of the maximum reading.



Testing a house-wiring installation for insulation resistance by means of a pocket-type "Megger"

The great advantage of moving-iron instruments is that they can be used for measuring either alternating or direct voltages and currents.

Hot-Wire Expansion Instruments

The other type of instrument used for measuring alternating currents is the "hot wire" type. The principle is that when a current is passed through a wire, the wire is heated and consequently expands. The degree of expansion, which can be measured, varies with the current.

The wire is about 15 cm. of platinum-silver, and by a simple arrangement of pulleys the expansion is magnified and caused to rotate the pointer. Hot-wire instruments are equally correct for direct or alternating currents. They are also independent of the frequency of the supply, within fairly wide limits, which cannot be said of moving-iron instruments. The scale is not uniform, however, as the heating effect, and consequently the expansion, is proportional to the square of the current, or, in a voltmeter, to the square of the voltage across the ends of the expansion wire.

The Electrostatic Voltmeter

The electrostatic voltmeter is the only type which satisfies the requirements of the ideal instrument in so far as it consumes no current whatever. For voltages over about 1,000, alternating or direct, it is universally employed, and, indeed, it is essentially a high-voltage instrument and is not very suitable for voltages much less than about 500, except as a delicate laboratory meter.

The principle of the electrostatic voltmeter is that when a difference of potential exists between two bodies there is a force of attraction between them, and this attraction is utilised in commercial instruments by having a system of fixed and moving metal vanes very similar to the arrangement of a variable wireless condenser. The fixed vanes are connected together, as are the moving vanes, and when the voltage is applied across the two systems the moving vanes tend to slide into the fixed ones. The moving vanes, to which the pointer is fixed, are suspended by a very thin phosphor-bronze strip, which also provides a means of making connexion from the vanes to the terminals.

Electrostatic voltmeters, when provided with safety devices against sparking, can be made for very high voltages, but for extra high-tension testing work, when voltages up to 2,000,000 are employed, they are abandoned in favour of the simple spark gap which measures the length of spark produced and, from a previous calibration, gives an approximate idea of the voltage.

The Ohmmeter and Megger

The ohmmeter is, as its name implies, a resistance-measuring instrument. It indicates in ohms or megohms the resistance of the circuit to which it is connected.

A familiar instrument of this type is the "Megger" insulation tester which is used for testing house-wiring circuits to ensure that they comply with the wiring rules as regards insulation resistance. It is necessary to have a source of E.M.F., and in the Megger tester this is supplied by a magneto-generator which is turned by hand.

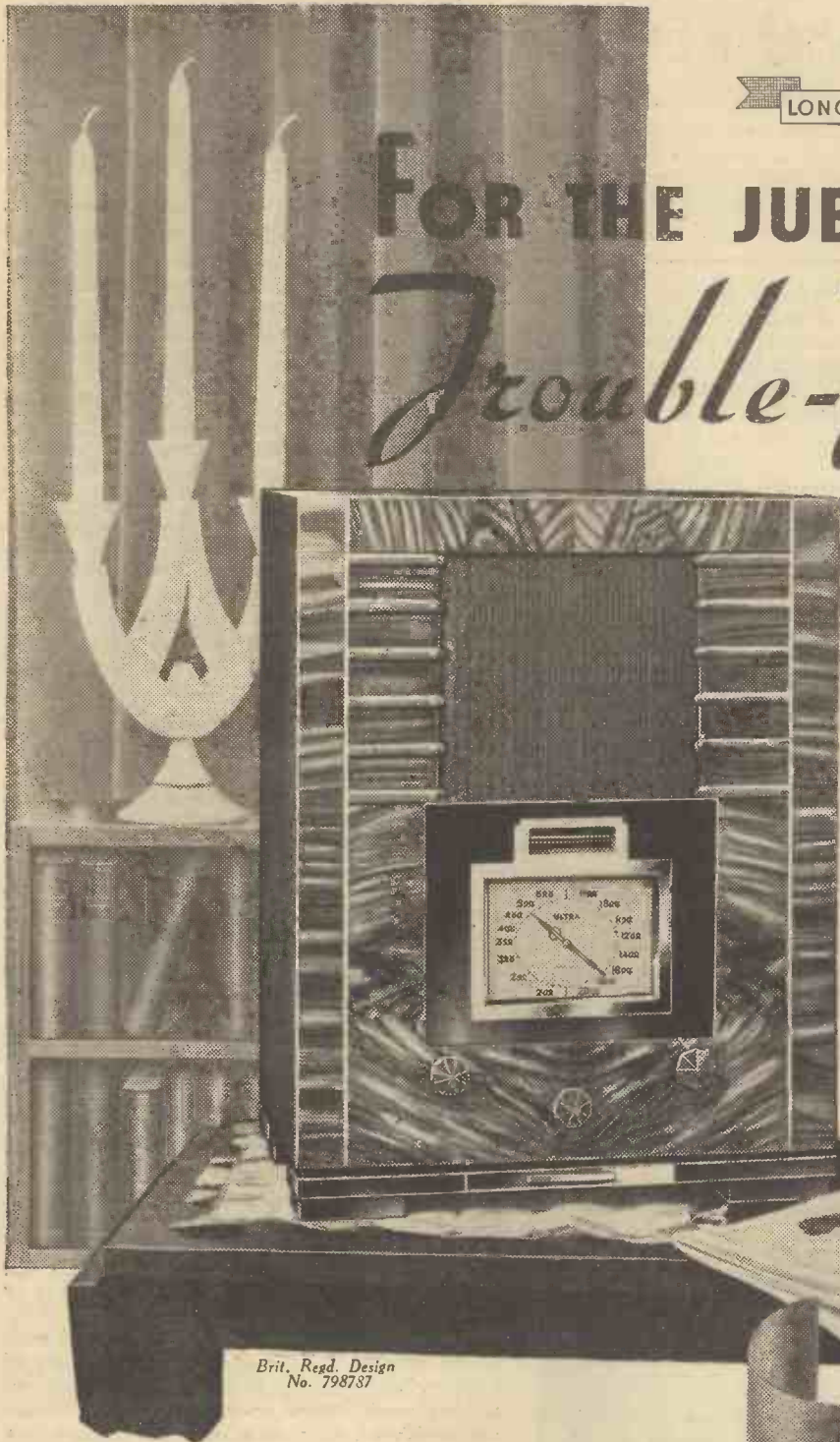
Between two pole pieces of a magnet is the moving system. This consists of two coils rigidly fixed to each other, and also to the pointer. One coil is connected across the magneto terminals and so carries a constant

(Continued at foot of column 2, page 23)



FOR THE JUBILEE CELEBRATIONS

Trouble-Free Radio



Brit. Regd. Design
No. 798787

WE have always believed that reliability ranks first among the numerous considerations governing the choice of a modern Radio Set, and it is a fact that the Ultra 25 Models bear this creditable reputation throughout the length and breadth of the land. Whatever more you may expect from your Radio in the way of high fidelity of tone, simplicity of tuning and programme choice, Ultra Receivers provide it. Not only such high entertainment value, of course. We are honestly convinced that we have achieved beauty in each of our Cabinet Designs which is very pleasing to the eye. This should not be overlooked, but seriously considered, as during the Silver Jubilee Gala Broadcasts you, with the whole English Speaking World, will live with your Radio more than ever before.



ULTRA 25 4-valve (including valve rectifier) Super-het. CLOCK-FACE NEON TUNING. FULL AUTOMATIC VOLUME CONTROL. CONCERT-GRAND HIGH FIDELITY MOVING-COIL SPEAKER.

Table Model
A.C. Mains 100/130 volts; 200/250 volts; 40/100 cycles. 7 in. High Fidelity Moving - Coil Speaker. D.C. Model 13 gns. **12** GNS.

Console
A.C. Mains 100/130 volts; 200/250 volts; 40/100 cycles. 10 in. High Fidelity Moving - Coil Speaker. D.C. Model 16 gns. **15** GNS.

Radiogram
A.C. Mains 100/130 volts; 200/250 volts; 40/60 cycles. Electric Gramo. Equipment. 10in. High Fidelity Moving - Coil Speaker. D.C. Model 22gns. **21** GNS.

The New Ultra 25 Receivers are everywhere. There is an Ultra Authorised Dealer in your district, who will gladly arrange for a demonstration in your own home without obligation.

POST THIS COUPON NOW

To Ultra Electric Limited. Western Avenue, Acton, London, W.3.

Please send me illustrated leaflets of the full range of Ultra Clock-face Tuning Radio.

NAME.....

ADDRESS.....

W.R.4.

Please write in BLOCK LETTERS and put in an unsealed envelope using 1d stamp.

A WIRELESS ALPHABET

By "Decibel"

Poundal.—The foot-pound-second unit of force. It is approximately equal to $\frac{1}{32}$ pound.

Power.—The rate of doing work. The unit is one horse-power, which is equal to 746 watts.

Power Factor.—The ratio of true power in an alternating current circuit to the apparent power. The latter is the product of voltage in volts and current in amperes, but true power depends also on phase, and is less than apparent power unless the voltage and current are in phase. True power is obtained by multiplying together the voltage and the component of the current which is in phase with the voltage.

Power Grid Detector.—A cumulative grid rectifier arranged to give as little distortion as possible. A fairly high anode voltage is used to ensure that the low-frequency amplification which takes place in the anode circuit after rectification in the grid circuit is as distortionless as possible.

Power Valve.—The output valve of a receiver or amplifier which supplies a power-operated device such as a loudspeaker. It is designed to give large changes in anode current without distortion when signals are applied to the grid circuit.

Pre-set Condenser.—A small condenser whose capacity can be adjusted and left fixed at a suitable value for a particular purpose.

Primary Cell.—A source of electrical energy which depends upon chemical action between two electrodes immersed in a chemical solution or paste. Such a cell cannot be re-charged by passing current through it, as can a secondary cell or accumulator. (See Battery.)

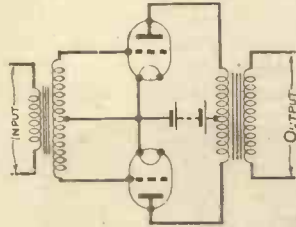
Primary Circuit.—A circuit which is supplied with power and passes it to a secondary circuit coupled to it. (See Transformer.)

Programme Meter.—An instrument used in a broadcasting control-room to indicate the strength of the programme being fed to the transmitter. It is calibrated to read directly in decibels above a certain strength or "level."

Proton.—A particle of positive electricity having a charge equal and opposite to that of an electron, but considerably greater mass. (See Atom and Positron.)

Pulsating Current.—A current which varies regularly in strength, but whose direction never reverses.

Push-Pull Amplification.—An amplifying arrangement in which two similar valves are used in each stage. The grids of the two valves are fed with equal voltages, but of opposite sense (i.e., 180 degrees out of phase), and the two anode circuits are combined so that the output voltages add together, except that even harmonics (i.e., those having frequencies 2, 4, 6, 8, etc., times the fundamental frequency) produced by distortion in the valves cancel out. A similar arrangement is sometimes used for rectification. (See Class "B" Amplification, Paraphase, and Q.P.P.)



Quadrature.—Two alternating quantities are said to be in quadrature when they differ in phase by 90 degrees or quarter of a cycle. (See Phase Angle.)

Quantity of Electricity.—(See Ampere-Hour and Coulomb.)

Quantum.—A unit of energy used by physicists in connexion with the construction of matter and production of radiation.

Quarter-Wave Aerial.—An aerial whose effective length is equal to one quarter of the wavelength of the wave being received or transmitted.

Quartz Crystal.—(See Piezo-Electric Effect.)

Quiescent Push-Pull (Q.P.P.).—A push-pull arrangement in which the valves are heavily biased so that in the absence of a signal very little anode current is consumed. It is somewhat similar to Class "B" amplification, except that the grids of the valves are not allowed to become positive and, therefore, no grid current flows and no driver stage is required. (See Class "B" Amplification.)

R

Radian.—The angle subtended at the centre of a circle by an arc equal in length to the radius. In a complete circle there are 2π radians, where π is the ratio of the circumference to the diameter and is equal to 3.1416. A circle is also divided into 360 degrees, so a radian is equal to approximately 57.5 degrees.

Radiating Circuit.—A circuit, such as an aerial, which is capable of radiating electromagnetic waves when alternating currents of suitable frequency flow in it. The ratio of the energy radiated to the total energy supplied to the circuit, expressed as a percentage, is called the radiation efficiency of the circuit. The radiation resistance is equal to the power radiated (in watts) divided by the square of the current (in amperes.)

Radio Beacon.—(See Beacon, Radio.)

Radio Frequency.—(See High Frequency.)

Radio-Gramophone.—A wireless receiver combined with a gramophone pick-up and turntable for the reproduction of gramophone records via the low-frequency amplifier and loudspeaker of the receiver.

Ratio of Transformation.—The voltage supplied by the secondary winding of a transformer divided by the voltage supplied to the primary winding. It is approximately equal to the ratio of the turns in the two windings in an iron-cored transformer, i.e., when the leakage is negligible.

Rayleigh Disc.—A light metal disc used for laboratory measurements on sound waves, and the calibration of microphones and loudspeakers. Its angle of deflection is a measure of the pressure of the sound wave.

Reactance.—The opposition to alternating current offered by an inductance or capacity. (See Impedance.)

Space and Matter

By "NEUTRON"

New Clock at the Science Museum

READERS who are interested in clocks should pay a visit to the Science Museum at South Kensington, where a new Shortt clock has been installed and is now controlling the main public dials there. A clock of this type was installed at the Edinburgh Royal Observatory in 1921, and proved to be so accurate that one was adopted as the sidereal standard at Greenwich in 1925. This standard clock has been found to be accurate to a few thousandths of a second per day. The free pendulum of the clock at the Science Museum has been enclosed in a dust-tight glass cylinder, instead of the usual exhausted copper case, so that the impinging mechanism can be seen and studied in detail.

Pigeons and Wireless

I understand that the French experiments in connexion with the effect of wireless stations on the homing instinct of pigeons, to which I referred on April 19, have been repeated. This time, however, the results differed considerably from those made on the former occasion. No definite conclusion can therefore be drawn from these experiments until they have been considered in relation to further experiments.

Finger-Prints by Radio

I understand that Scotland Yard have recently carried out successful experiments in the transmission of finger-prints by radio. The experiments have been in progress for some time, and it is said that most of the difficulties have now been overcome, and the only objection to the general adoption of the method is that of expense.

Short-Wave Therapy

The importance of short-wave radiation in the treatment of disease has recently been recognised by the gift of £4,000 by the Stock Exchange Dramatic and Operatic Society for research in this subject. The Medical Research Council has agreed to act as trustee, and the money will be used for clinical and experimental investigations at the London Hospital.

HOW VOLTAGE, CURRENT, AND RESISTANCE ARE MEASURED

(Continued from page 21)

current. The other coil is connected in series with the resistance which is being measured, and so the current varies according to the value of this resistance. The former is known as the pressure coil and the latter as the current coil.

If there is no external connexion, that is, if the external resistance is infinity, and the magneto is turned, a certain current will traverse the pressure coil, and under this influence and that of the permanent magnet it will take up a definite position and the pointer will read infinity. If now an external resistance be connected, a certain current will flow in the current coil in addition to that in the pressure coil. The current coil will tend to take up a position opposing that of the pressure coil, but the two are as rigidly connected they will find a position of equilibrium and the pointer will remain stationary at a position on the scale representing the resistance of the external circuit.

In the case of a wiring installation, it is usually required to know the resistance between the conductors and the building, in which case the conductors constitute one terminal of the external resistance and an earth point, such as a water tap, the other.

R. C. M.

Accurate FAULT TRACING

The D.C. AvoMinor enables you to make tests with the ease and precision of the expert radio engineer. It gives 10 different ranges of readings with scientific accuracy . . . in milliamps, volts and ohms. Ten precision meters are combined in one self-contained instrument. In handsome case, with testing prods, clips and instruction booklet.

| MILLIAMPS | VOLTS | OHMS |
|-----------|-------|-------------|
| 0-6 | 0-6 | 0-10,000 |
| 0-30 | 0-120 | 0-60,000 |
| 0-120 | 0-300 | 0-1,200,000 |
| | | 0-3 megohms |

The D.C. AVOMINOR

REGD TRADE MARK

The UNIVERSAL AVOMINOR

Regd. Trade Mark

This ingenious instrument makes both A.C. and D.C. tests. It gives no fewer than 22 ranges of direct readings—**£5** current, voltage and resistance.

Deferred Terms if desired.

Write for fully descriptive folder—post free
Automatic Coil Winder & Electrical Equipment Co., Ltd.
Winder House, Douglas Street, London, S.W.1.
Telephone: Victoria 3404-7.

WIRELESS TOPICS by "ION"

A NEW G.E.C. VALVE

THE Silver Jubilee marking twenty-five years' reign of our Gracious King has brought to us the realisation that a good deal of water has flowed under the London bridges since 1910. We who are actively engaged in the wireless trade can look back with pride upon the results of our twenty-five years' work. Many of us have been experimenting with wireless gear long before the advent of broadcasting. The modest cat's whisker at one time has filled us with wonder and anticipation of better things to come. Even then we knew that the crystal was far from being the last word in wireless. Then in 1904 came Sir Ambrose Fleming's two-electrode thermionic valve, followed in 1906 by Lee de Forest's variation of it when the grid was added to the original filament and anode. In 1914, and right throughout the war, the bright emitter valve became a familiar piece of apparatus. Year after year it was improved and new circuits invented till wireless telephony became a practical proposition and broadcasting became possible.

Most of us are mainly concerned with the year 1923 when we started manufacturing wireless apparatus on a scale undreamt of before. At first thousands and then millions became interested in wireless. Valves which were at first manufactured in small quantities to orders, mostly from official sources, could be found in 1923 in their thousands in the shops of wireless dealers. Compare these early valves with the modern version!

Here is one of them—the latest new-comer! The new Osram W.D.40 can be described as a high-frequency screened-pentode-double-diode. The pentode section incorporates adequate screening which has the effect of reducing its grid-anode capacity to an extremely low figure. The two diodes, which are mounted on a common cathode in the screened pentode system, are completely screened from the pentode and operate independently.

The principal applications of the Osram W.D.40 are:—

(1) *The use of the pentode as an intermediate-frequency amplifier employing the diodes for detection and A.V.C. voltage.* The combined intermediate-frequency amplifier-detector valve can then be followed by an L.F. amplifier of any design required to suit particular requirements, or, if the new Osram N.41 high-slope output pentode is used, this can be fed directly from W.D.40 valve. A variety of circuits can be applied to suit individual requirements such as the use of two such valves to give intermediate-frequency amplification, detection, and amplified automatic volume control.

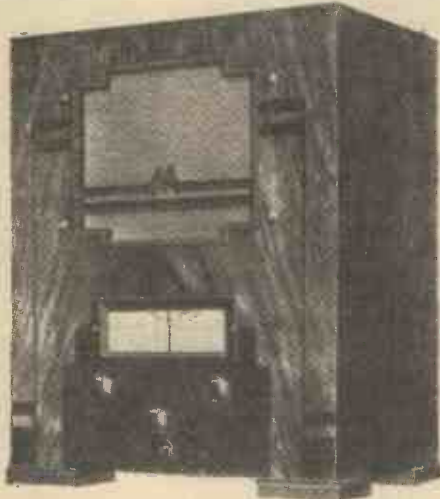
(2) *The use of the pentode as a high-gain low-frequency amplifier.* In this case two diodes can be employed for detection and automatic volume control with the low-frequency voltage developed across the diode load applied to the grid of the pentode. As an L.F. amplifier the pentode section will give an extremely high order of sensitivity. An example of this application is for use after a pick-up with a low output voltage, when a double-diode-triode might not give sufficient amplification to load up the output stage if this incorporated a triode power valve. It is, however, recommended that the application of the W.D.40 in this way should be restricted to cases of very small input voltage.

The characteristics of the Osram W.D.40 are as follows:—Heater volts: approx. 4 V. Heater current: approx. 1 ampere. Anode volts: 200 V. Screen volts: 100 V. Control grid volts: —1 V. Anode current: 7.7 mA:

Screen current: 4.7 mA. Anode impedance: 700,000 ohms. Mutual conductance: 2.6 mA/V. Mutual conductance at 30 volts: 0.03 mA/V. The valve is fitted with a nine-pin base, having the control grid taken to a metal cap on the top of the dome-shaped bulb. The price is 20s.

MARCONIPHONE JUBILEE SUPERHET

In 1923 a four-valve receiver—a straight circuit—could have been purchased for a trifling sum of sixty guineas, guaranteed to get at least two stations! It had coils back and front, and many terminals outside, to which you could connect batteries, aerial and earth, and loudspeaker (of the horn type). To-day the Marconiphone Company are offering their latest model, released on May 1, a four-valve superheterodyne



Marconiphone receiver model "223"

receiver for A.C. or D.C.—Model "223"—at 11½ guineas, or 30s. down and 12 monthly payments of 19s. The valves and the loudspeaker are, of course, included, and there are no outside coils. And as to the number of stations it will receive, well, all you have to do is to look at the tuning dial!

The Marconiphone Company inform me that this instrument is the outcome of very extensive study both of the joint requirements of the user of a single instrument on either A.C. or D.C., and the improvements in design necessary to bring the performance of an AC/DC set at least up to the level of that of the best type of A.C. superhet.

The circuit is a four-valve (including rectifier) reflex superhet with full delayed automatic volume control, Marconi multiple universal valves, and moving-coil loudspeaker. The arrangement consists of a heptode frequency changer, a double-diode-pentode which functions as an intermediate-frequency amplifier, detector, low-frequency amplifier and A.V.C., and a Catkin output pentode. The fourth valve (U.30) acts as an H.T. rectifier on A.C. mains and a low series resistance on D.C. mains. There are three main controls—namely, volume, tuning and wave-change with a supplementary sensitivity switch, and a separate on-off switch situated on the left side of the cabinet. The sensitivity switch is of the push-pull type, reducing the extreme sensitivity for perfect local station reception. The tuning scale is of the wide-vision rectangular type, marked with both wavelengths and station names, and uniformly lighted. The loudspeaker is a mains energised moving-coil instrument of high sensitivity and wide response. A ¼ amp. fuse is inserted in each mains lead, a

spare fuse being provided. An exceptionally low operating temperature is maintained by providing a convection deflecting cowl behind the mains dropping resistances, which causes two individual streams of air to pass constantly through the receiver.

The output is approximately 2½ watts and the power consumption 90 watts approx. Mains input: 195/255 volts A.C. or D.C., at 25-60 cycles per second on A.C. The cabinet is of figured and inlaid walnut and macassar ebony in an attractive modern style similar to that of Model "257."

CAR RADIO

You remember the 1910 cars? I wonder what their owners would have said if someone told them then that their car could carry an equipment that would enable them to listen to speech and music from dozens of British and foreign stations? And here in the year of grace 1935 the Vauxhall Motors Ltd. announce that they have adopted Philco car radio as standard optional equipment! They are confident that car radio will shortly be very widely regarded in Britain as important an adjunct to motoring as it already is abroad, and their name will in future be inscribed with that of Philco on the tuning dial of all sets installed on Vauxhall cars. Competent local installation, when required, has been ensured by Delco-Remy and Hyatt Ltd.—the motor trade distributors for Philco—who have put Vauxhall dealers in touch with Philco-Delco service stations throughout the British Isles. In addition, the radio manufacturers have invited Vauxhall dealers' electricians to their Perivale factory to acquire first-hand fitting instruction.

A HEPTODE SHORT-WAVE CONVERTER

The radio listener who was satisfied in 1923 with his local station at reasonable strength, and was very proud of himself when he got a provincial station, is not happy nowadays unless he can get stations thousands of miles away on short waves as well. Many are doing this by converting their standard broadcast receivers to short-wave, listening with the help of a short-wave converter which will transform a straight-circuit set into a superheterodyne receiver merely by adding externally a compact and self-contained unit. Messrs. Unit Radio, of 347, City Road, London, E.C.1, have sent me particulars of their latest heptode converter, an AC/DC model. A heptode frequency changer valve is employed and, they state, this ensures efficient mixing while constant oscillation is maintained over the whole range without adjustment.

The circuit is stated to be absolutely non-radiating, and the converter is easily operated as there is only one tuning control. The aerial and oscillator circuits are tuned simultaneously by a special low-loss ganged condenser which is operated by a 100-1 tuning dial. A switch is fitted giving an instant change over from short waves to broadcast reception without the disadvantage of changing connexions. This model incorporates its own power equipment and is ready for operation by plugging into a power point, either A.C. or D.C., 200-250 volts. The instrument is supplied complete with heptode valve and a range of coils covering 13 to 100 metres. Price £6 15s. od. complete with valve. A battery model is also available which incorporates the main features of the AC/DC model with a battery heptode valve. No extra batteries are required. The price of the battery model is £4 5s. od.

SAFETY FIRST



Elastoplast Safeguards Everyone

These first-aid dressings are the handiest form of self-treatment for cuts, burns, abrasions, or any injury that might turn septic—and they're really easy to apply. They are elastic, antiseptic, adhesive, and require no bandaging. What a boon to hikers, campers and motorists; to mothers and nurses, when kiddies tumble; to father when he cuts his hand with a screw-driver! Get your tin and free samples to-day.

Special Sample Offer

Ask your chemist for the special 6d. or 1/- sample offer, consisting of an outfit of First-Aid Dressings, a Boil Dressing, and a Corn Plaster. If you have any difficulty in obtaining supplies, please send 6d. or 1/- in stamps to the Manufacturers.



Elastoplast FIRST-AID DRESSINGS

1/-
3^D & 6^D
From all chemists

British made by T. J. Smith & Nephew Limited, Dept. W, 3, Neptune St., Hull. Hull : London : Manchester : Glasgow

A Private Income - Not a Salary

**£ 250
A YEAR
FOR LIFE
for YOU!**

Think of it! Not a salary necessitating daily work at the Office, Factory or Shop, but a private income to be paid to you every year as long as you live.

And while you are qualifying for it—to begin, say, when you reach age 60—you have the certain satisfaction of knowing that if you do not live to age 60, there will be a monthly income to meet your family's everyday requirements and to educate your children. Should your death be as the result of an accident, your family would, in addition, receive £3,130.

If, in consequence of illness or accident, you become totally incapacitated, no further saving deposits need be made. Yet your pension or the monthly income for your family would be paid just as if you had continued making the deposits.

Every year you save for your comfort in later years, you will secure a reduction in your income tax—a big consideration in itself.

It is a wonderful plan which can be obtained for any amount, large or small, by regular annual savings.

It will bring independence and comfort to you and yours.

An enquiry will bring you, without obligation, exact details suitable to your own requirements.

Use this Form; or a Letter will do.

MORGAN'S POMADE



GREY HAIR MAKES YOU LOOK OLDER

RESTORES GREY HAIR TO ITS NATURAL COLOUR

than your years—a barrier to social and business success. Banish your grey hair in the natural manner—with Morgan's Pomade. Famous for over 40 years.

Not a tint or dye. Simply massage Morgan's Pomade into the roots of the hair. Results gradual and perfectly natural. Morgan's Pomade also strengthens and beautifies the hair and prevents dry scalp and dandruff.

Price 1/9 and 3/3. Post 3d. and 4d. (Overseas and Colonial 8d. and 1/-). Obtainable from Boots, Taylors, Timothy Whites, and all chemists, Hairdressers and Stores, or direct from sole proprietors.

MARIE ANTOINETTE EGG JULEP SHAMPOO

Cleanses, strengthens and beautifies the hair and removes dandruff. 3d. per packet, or 1/6 per box of 7 packets.

THE MARIE ANTOINETTE CO., LTD.,
149, Junction Road, London, N.19.

To H. O. LEACH (General Manager),
SUN LIFE ASSURANCE COMPANY OF CANADA
(Incorporated in Canada in 1865 as a Limited Company),
111, Sun of Canada House, Cockspur Street,
Trafalgar Square, London, S.W.1.

Please send me—without obligation on my part—full Particulars of your Pension-Protection Plan.

NAME.....
(Mr., Mrs. or Miss)

ADDRESS.....

OCCUPATION..... EXACT DATE OF BIRTH.....

World-Radio 3/5/35.

SHORT-WAVE BROADCASTING STATIONS

In response to numerous requests this List will be included as frequently as possible. Times of operation are given in B.S.T.

| m. | kc/s | kW | Station | Dial Reading | m. | kc/s | kW | Station | Dial Reading |
|-------|------|-------------------------|--|--------------|-------|--------|-------------|--|--------------|
| 84.67 | 3543 | 0.15 | Mozambique (East Africa) CR7AA. MON., THURS., SAT., 7.30-9.30 p.m. | ..... | 42.02 | 7140 | 0.3 | Manizales (Colombia) HJ4ABB. | ..... |
| 75 | 4000 | 0.05 | Ponta Delgada (Azores) CT2AJ. WED., SAT., 11 p.m.-1 a.m. | ..... | 41.8 | 7177 | 0.5 | Lobito (Angola) CR6AA. WED., SAT., 8.30-10.30 p.m. | ..... |
| 73 | 4110 | 0.5 | Quito (Ecuador) HCJB. 1-4 a.m. | ..... | 38.48 | 7797 | 20 | Radio Nations (Switzerland) HBP. SAT., 11.30 p.m.-12.15 a.m. | ..... |
| 70.2 | 4273 | 20 | Kharbarovsk RV15. 7 a.m.-3 p.m. | ..... | 37.33 | 8035 | 10 | Rabat (Radio Maroc) CNR. SUN., 9-11.30 p.m. | ..... |
| 67.11 | 4470 | 1 | Sourabaya (Java) YDB. 10.30 a.m.-3.30 p.m. (SAT. to 5.30 p.m.) | ..... | 32.88 | 9134 | 20 | Budapest (Hun'y) HAT4. SUN., 12 m'nt-1 a.m. | ..... |
| 58.31 | 5145 | .. | Piague OK1MPT. Experimental. | ..... | 31.8 | 9428 | .. | Havana (Cuba) COH. 4-6 p.m.; 11 p.m.-1 a.m.; 2-4 a.m. | ..... |
| 52.7 | 5692 | 0.5 | Tananarive (Madagascar) FIQA. | ..... | 31.58 | 9501 | 15 | Rio de Janeiro PRF5. 11.30 p.m.-12.15 a.m. | ..... |
| 51.28 | 5850 | 0.05 | Maracaibo (Venez.) YV5RMO. 11 p.m.-3 a.m. | ..... | 31.55 | 9510 | 15 | *Davenport GSB. | ..... |
| 50.42 | 5950 | 0.05 | Medellin (Colombia) HJ4ABE. D'ly, 5.30-6.30 p.m. ex. MON., WED., FRI., 12.30 a.m.-4 a.m. TUES., THURS., SAT., 1.15-5 a.m. | ..... | 31.54 | 9518 | 1.5 | Melbourne (Australia) VK3ME. WED., THURS., FRI., SAT., 10 a.m.-12 noon. | ..... |
| 50.26 | 5969 | 10 | Vatican City (Italy) HVJ. Daily, 8-8.15 p.m. SUN., 11 a.m. | ..... | 31.48 | 9530 | 40 | Schenectady (N.Y.) W2XAF. 11.30 p.m.-5 a.m. | ..... |
| 50.16 | 5980 | 0.2 | Santo Domingo (D.R.) HIX. D'ly at 1 p.m. WED., SAT., 2.8 a.m.; SUN., 1.38 a.m. | ..... | 31.45 | 9540 | 5 | Zeesen (Germany) DJN. 9.45 a.m.-1.15 p.m.; 2-5.30 p.m.; 11.5 p.m.-4.30 a.m. | ..... |
| 50 | 6000 | 20 | Moscow RW59. 9 p.m.-12 midnight. | ..... | 31.38 | 9560 | 5 | Zeesen (Germany) DJA. 2-5.30 p.m.; 11.5 p.m.-3.15 a.m. | ..... |
| 49.96 | 6005 | { 4 1.6 | Montreal VE9DN. 4.30-5 a.m. | ..... | 31.36 | 9565 | 4.5 | Bombay VUB. SUN., 2.30-4.30 p.m. WED., THURS., SAT., 5.30-6.30 p.m. (Irreg. MON.) | ..... |
| 49.92 | 6010 | 0.5 | Bogotá (Colombia) HJ3ABH. | ..... | 31.35 | 9570 | 10 | Springfield (Mass.) W1XK. 12 n'n-6 a.m. | ..... |
| 49.85 | 6018 | 0.09 | Havana (Cuba) COC. 3.30-7 p.m. 10 p.m.-1 a.m. SUN., 5.30-6.30 a.m. also. | ..... | 31.33 | 9572 | 1 | Jeløy (Norway) LKJ1. 11 a.m.-2 p.m. | ..... |
| 49.83 | 6020 | 5 | Singapore (S.S.) ZHI. MON., WED., THURS., 12 m'nt-2.30 a.m.; SUN., 4.40-6.10 a.m. | ..... | 31.32 | 9580 | { 15 0.6 | *Davenport GSC. Lyndhurst (Victoria, Australia) VK3LR. Daily (ex. SUN.), 9.15 a.m.-1.30 p.m. | ..... |
| 49.75 | 6030 | 0.1 | Zeesen (Germany) DJC. 11.5 p.m.-4.30 a.m.; 6-10.30 p.m. | ..... | 31.28 | 9590 | { 1 20 | Philadelphia (Pa.) W3XAU. 5 p.m.-12.45 a.m. Sydney (Australia) VK2ME. SUN., 7-9 a.m.; 11 a.m.-3 p.m.; 4.30-6.30 p.m. | ..... |
| 49.67 | 6040 | 5 | Panama City HP5B. Daily 6-7 p.m. and 2-4.30 a.m. | ..... | 31.27 | 9595 | 20 | Radio Nations (Switzerland) HBL. SAT., 11.30 a.m.-12.15 p.m. | ..... |
| 49.59 | 6050 | 15 | Boston (Mass.) W1XAL. SUN., 10 p.m.-12 m'nt; WED., FRI., 12.30-1.45 a.m. | ..... | 31.13 | 9637 | 20 | Rome (Italy) 2RO. Daily 3.30-6 p.m.; MON., WED. and FRI., 8.45-10.15 p.m. | ..... |
| 49.5 | 6060 | { 10 0.5 1 0.5 | *Davenport GSA. Cincinnati W8XAL. 12 n'n-1 a.m.; 4-6 a.m. Nairobi (Kenya) VQ7LO. SUN., 5-8 p.m. MON. to FRI., 11.45 a.m.-12.15 p.m. and 5.30-8.30 p.m. TUES. and THURS., 2.30-3.30 p.m. SAT., 5.30-9.30 p.m. Philadelphia (Pa.) W3XAU. 1-4 a.m. Skamlebaek (Denmark) OXY. 7 p.m.-1 a.m. SUN., 5 p.m. | ..... | 31 | 9677 | 0.5 | Lisbon (Portugal) CT1CT. THURS., 9-11 p.m.; SUN., 12 noon-2 p.m. | ..... |
| 49.4 | 6072 | 2 | Lisbon (Portugal) CT1AA. TUES., THURS., SAT., 9.30 p.m.-12 m'nt. | ..... | 30.43 | 9860 | 20 | Madrid (Spain) EAQ. 11.15 p.m.-1.30 a.m.; SAT., 7-9 p.m. also. | ..... |
| 49.4 | 6072 | 0.25 | Vienna Experimental OER2. D'ly (ex. SUN.), 3-11 p.m.; SAT. 3 p.m.-12 m'nt. | ..... | 29.04 | 10,330 | 9 | Ruysselede (Belgium) ORK. 6.30-8 p.m. | ..... |
| 49.33 | 6080 | { 0.5 1 | Chicago (Ill.) W9XAA. SUN., 7-8.30 p.m. La Paz (Bolivia) CP5. 1.45-3.15 a.m. | ..... | 28.98 | 10,350 | .. | Buenos Aires LSX. Daily, 9-10 p.m. | ..... |
| 49.3 | 6085 | 20 | Rome (Italy) 2RO. MON., WED., FRI., 7-8.30 p.m.; 12 m'nt-1.30 a.m. | ..... | 25.65 | 11,695 | 0.2 | Caracas (Venezuela) YV3RC. | ..... |
| 49.26 | 6090 | { 0.1 0.5 | St. John (New Brunswick) VE9BJ. Daily, 12 m'nt-1.30 a.m. Bowmanville (Canada) VE9GW. MON., TUES., WED., 8 p.m.-5 a.m.; THURS., FRI., SAT., 12 noon-5 a.m. SUN., 6 p.m.-2 a.m. | ..... | 25.6 | 11,720 | { 2 10 | Winnipeg CJRX, D'ly, 12 m'nt-5 a.m.; SAT., 9 p.m.-6 a.m.; SUN., 10 p.m.-3.30 a.m. Radio Colonial (Paris) FYA. 1 a.m.-4 a.m.; 5-7 a.m. | ..... |
| 49.2 | 6097 | 5 | Johannesburg (S.A.) ZTJ. (Experimental) Bound Brook (N.J.) W3XAL. MON., WED., and SAT., 10-11 p.m. SAT. 5-6 a.m. | ..... | 25.53 | 11,750 | 15 | *Davenport GSD. | ..... |
| 49.18 | 6100 | { 15 10 | Chicago (Ill.) W9XF. D'ly (ex. SUN.) 2-3 p.m. and 6-7 p.m. (SAT. to 7.30 p.m.) | ..... | 25.49 | 11,770 | 5 | Zeesen (Germany) DJD. 6-10.30 p.m. | ..... |
| 49.1 | 6110 | 15 | *Davenport GSL. | ..... | 25.45 | 11,790 | 5 | Boston (Mass.) W1XAL. 11 p.m.-12.30 a.m. | ..... |
| 48.03 | 6112 | 0.25 | Calcutta (India) VUC. D'ly 8.6-9.6 a.m.; Irreg. 2.6-5.36 p.m. (SAT. from 1.36 p.m.) SUN. 5.36-8.36 a.m.; Irreg. 1.36-4.36 p.m. | ..... | 25.4 | 11,810 | 9 | Rome (Italy) 2RO. Daily 3.15-4.15 p.m. | ..... |
| 48.02 | 6120 | { 1 1.5 | Caracas (Venezuela) YV2RC. Daily (ex. SUN.), 5-7.15 p.m.; 11 p.m.-3.30 a.m. SUN., 7.30 p.m.-4.30 a.m. | ..... | 25.36 | 11,830 | 1 | Wayne (N.J.) W2XE. 9-11 p.m. | ..... |
| 48.93 | 6130 | 1 | Wayne (N.J.) W2XE. 11 p.m.-4 a.m. | ..... | 25.29 | 11,860 | 15 | *Davenport GSE. | ..... |
| 48.92 | 6132 | 0.18 | Bandoeng (Java) YDA. 11.30 a.m.-4 p.m. | ..... | 25.27 | 11,870 | 40 | Pittsburgh W8XX. 9.30 p.m.-3 a.m. | ..... |
| 48.86 | 6140 | { 40 2 | Jeløy (Norway) LKJ1. 5 p.m.-12 m'nt. Kuala Lumpur (F.M.S.) ZGE. SUN., TUES. and FRI., 12.40 p.m.-2.40 p.m. Pittsburgh W8XX. 9.30 p.m.-6 a.m. Winnipeg (Canada) CJRO. D'ly, 12 m'nt-5 a.m.; SAT., 9 p.m.-6 a.m.; SUN., 10 p.m.-3.30 a.m. | ..... | 25.23 | 11,880 | 10 | Radio Colonial (Paris) FYA. 5.15-8.15 p.m.; 9 p.m.-12 m'nt. | ..... |
| 48.78 | 6150 | { 0.5 .. | Lisbon (Por.) CSL. 12-1.30 p.m.; 7-11 p.m. Caracas (Venez.) YV3RC. 9.30 p.m.-2.30 a.m. | ..... | 25 | 12,000 | 20 | Moscow (Russia) RW59. SUN., 4-5 a.m.; 12 noon-1 p.m.; 4-5 p.m. | ..... |
| 48.4 | 6198 | 0.35 | Parede (Portugal) CT1GO. SUN., 4.30-6 p.m., Daily (ex. TUES.), 12.20-1.30 a.m. | ..... | 24.83 | 12,082 | 0.5 | Lisbon (Portugal) CT1CT. SUN., 2-4 p.m.; THURS., 8-9 p.m. | ..... |
| 47.5 | 6316 | .. | Santo Domingo (D.R.) HIZ. | ..... | 24.2 | 12,396 | 0.35 | Parede (Portugal) CT1GO. SUN. 3-4.30 p.m. TUES., THURS., FRI., 6-7.15 p.m. | ..... |
| 47.05 | 6375 | .. | Caracas (Venez.) YV4RC. 10.30 p.m.-4.30 a.m. | ..... | 23.39 | 12,830 | 10 | Rabat (Radio Maroc) CNR. SUN., 1.30-3 p.m. | ..... |
| 46.69 | 6425 | 18 | Bound Brook (N.J.) W3XL. Experimental. | ..... | 22.94 | 13,075 | .. | Suva (Fiji) VPD. D'ly (ex. SUN.) 6.30-7.30 a.m. | ..... |
| 46.52 | 6447 | 0.3 | Barranquilla (Colombia) HJ1ABB. D'ly 10.30 p.m.-4 a.m. | ..... | 19.84 | 15,123 | 10 | Vatican City HVJ. 11 a.m.; 4.30-4.45 p.m. | ..... |
| 46.21 | 6490 | 0.1 | Cali (Colombia) HJ5ABD. 1-4 a.m. | ..... | 19.82 | 15,140 | 10 | *Davenport GSF. | ..... |
| 46 | 6520 | 0.5 | Velencia (Venezuela) YV6RV. | ..... | 19.74 | 15,200 | 5 | Zeesen (Germany) DJB. 6.30-8.0 a.m. | ..... |
| 45.38 | 6610 | 10 | Moscow (Russia) RW72. | ..... | 19.72 | 15,210 | 40 | Pittsburgh W8XX. 2-9.15 p.m. | ..... |
| 45.31 | 6620 | .. | Riobamba (Ecuador) PRADO. FRI., 3-5.30 a.m. | ..... | 19.71 | 15,220 | 18 | Eindhoven (Holland) PCJ. Experimental. TUES. 9.0 a.m.-12.0 noon; WED. 1-5 p.m. | ..... |
| 45 | 6667 | 0.2 | Guayaquil (Ecuador) HC2RL. SUN., 11.45 p.m.-1.45 p.m.; WED., 3.15-5.15 a.m. | ..... | 19.67 | 15,243 | 10 | Radio Colonial (Paris) FYA. 1-5 p.m. | ..... |
| | | | | | 19.66 | 15,260 | 10 | Boston (Mass.) W1XAL. 3.50-6.30 p.m. | ..... |
| | | | | | 19.64 | 15,270 | 1 | *Davenport GSI. | ..... |
| | | | | | 19.63 | 15,280 | 5 | Wayne (N.J.) W2XE. 4-9 p.m. | ..... |
| | | | | | 19.56 | 15,330 | 20 | Zeesen (Germany) DJQ. 5.30-7.0 a.m. | ..... |
| | | | | | 19.52 | 15,370 | 20 | Schenectady W2XAD. 8-9 p.m. | ..... |
| | | | | | 19.52 | 15,370 | 20 | Budapest (Hungary) HAS3. SUN., 3-4 p.m. | ..... |
| | | | | | 17.33 | 17,310 | 20 | Bound Brook (N.J.) W3XL. 4-10 p.m. | ..... |
| | | | | | 16.89 | 17,760 | 5 | Zeesen (Germany) DJE. 2-5.30 p.m. | ..... |
| | | | | | 16.88 | 17,770 | 23 | Huizen (Holland) PHI. D'ly (ex. Tues., Wed.) 2.30-4.30 p.m.; SAT. to 5.30; SUN. to 5.10 p.m. | ..... |
| | | | | | 16.87 | 17,780 | 15 | Bound Brook (N.J.) W3XAL. D'ly (ex. SUN.), 2-3 p.m. TUES., THURS., FRI., 8-9 p.m. | ..... |
| | | | | | 16.86 | 17,790 | 10 | *Davenport GSG. | ..... |
| | | | | | 13.97 | 21,470 | 10 | *Davenport GSH. | ..... |
| | | | | | 13.93 | 21,530 | 10 | *Davenport GSI. | ..... |
| | | | | | 13.93 | 21,540 | 40 | Pittsburgh W8XX. 12 noon-2 p.m. | ..... |

* For transmission times see Short-Wave Programmes.



"I would never have believed it was possible to produce a DC/AC superhet for 11½ gns. with such good tone and performance but 'H.M.V.' have certainly done it!"



"**S**PEAKING as a man who knows something about radio, I must say that this new 'H.M.V.' set is really a splendid bit of work in every way. It's got A.V.C. and all that sort of thing of course—and as for the performance—well, it has certainly made me revise my ideas of what you can get for 11½ gns. in a DC/AC set . . . I know what to recommend when my non-technical friends ask me which set they should buy. You might remind me to write to "His Master's Voice" for a folder about this set. I'd like to keep it by me."



'HIS MASTER'S VOICE'
UNIVERSAL (DC/AC) SUPERHET FOUR MODEL 340

THE SHORT WAVES

Some Short-Wave Fallacies

RADIO and television have, between them, been responsible from time to time for many misconceptions on the part of the general public, these being due to some extent to a lack of technical knowledge both on the part of members of the public and, in some cases, of correspondents of the daily Press.

The short-wave side of radio reception has by no means been exempt from mistaken ideas, and to-day, although the short waves are growing tremendously in popularity almost in every country of the world, some misconceptions still exist in many quarters concerning their habits and capabilities. The position to-day is, possibly, that while many listeners who possess receivers of the normal "medium and long-wave" type have heard rumours concerning the "wavelets," and have probably heard one or two relays of American short-wave programmes *via* their local station, they have never taken any active interest in direct short-wave listening. Possibly a brief explanation of some of the principal points upon which misunderstanding is known to exist may prove of service to readers who have not yet experienced the pleasure of short-wave listening.

Late Hours Unnecessary

Probably the most widely-existing fallacy about short-wave reception is that it is necessary to stay up until some unearthly hour of the morning in order to hear American stations. This idea is no doubt a remnant of the earlier occasions when conditions permitted successful reception of American medium-wave stations—such reception generally being possible only after midnight. This fallacy may be gently exploded for the benefit of misinformed listeners by referring to the B.B.C. relays of the NBC programmes in the "Five Hours Back" feature at 4.45 on Saturday afternoons.

Reception of at least one American programme is generally possible from the early afternoon until somewhere around four or five o'clock the next morning, such stations as W₃XAL, W₂XAD, and W8XK providing a service which, when conditions are good, affords a means of hearing American programmes at excellent strength.

It is certainly true that there are many more stations to be heard at a later hour, but it is unnecessary to wait until midnight or after, because both the 31-metre and 49-metre bands can produce some excellent signals earlier in the evening and one usually has no difficulty in hearing a number of North and South American stations as well as several Europeans. Unfortunately, the early evening is often not so productive of good results (except on the 19-metre band) as the afternoon and late evening periods, and between seven and nine o'clock there is often very little to be heard apart from the numerous European stations. However, as summer conditions approach, the 19-metre and 25-metre bands will remain active and produce better results for longer periods.

Receiver and Aerial

Fallacy Number 2 is that a powerful receiver is *necessary* for short-wave reception. Any experienced short-wave listener should have little difficulty in convincing his non-technical friends that good short-wave results are possible on a relatively simple but effective receiver. An ideal receiver for the short-wave beginner who is content to obtain very satisfactory headphone reception, need comprise no more than two valves, and there is absolutely nothing in such a receiver which need be particularly difficult or costly to obtain.

It is also asked on many occasions if some particular type of aerial is necessary for short-wave reception. Whilst there are certain advantages to be gained by using an aerial designed especially for short-wave reception, it is also true that the average aerial which gives good results with a normal broadcast receiver, will also give good results with a short-wave set, and the listener who is considering taking up short-wave reception need not worry on this point.

Adapting Existing Receivers

Lastly, it should be realised that whilst the trend nowadays is to use one receiver for all wavebands—short, medium, and long, or from about 15 to 2,000 metres—there is no reason why practically any normal type of medium and long-wave receiver should not be used for short-wave reception with the aid of a converter or adaptor. This arrangement forms an excellent and inexpensive method of introduction to the short waves, and after some experience has been gained, the listener may invest in a more advanced type of short-wave or all-wave receiver if he so desires.

M. B.

American Radiotelephones

DURING the past decade, short waves have made the world much smaller by connecting most of the world's telephone systems. At the present time Americans can talk to sixty-two countries on six continents, and to about twenty ships at sea. The only major countries not linked to the United States at present are: New Zealand, which is already connected with London; China—with which tests are now being made—and the U.S.S.R.

New York is "connected" to London, Buenos Aires, and Rio de Janeiro *via* the Lawrenceville, New Jersey, transmitters and their appropriate receiving terminals. Miami speaks to Colombia, Venezuela, Central America, and the West Indies through Hialeah, Florida. The Dixon, California, transmitters connect San Francisco with Japan, the Philippines, Hawaii, and Java. Americans speak to South Africa, Egypt, Australia, and India through Rugby. As most short-wave listeners know, some of these commercial telephone circuits are used for relaying radio programmes.

Language and time differences play an important part in inter-continental telephone connexions. A conversation from Manila (11 a.m. Sunday) would reach Sydney (1 p.m. Sunday) *via* San Francisco (7 p.m. Saturday), New York (10 p.m. Saturday), and London (3 a.m. Sunday). R. M. B.

W2XE, Wayne, New Jersey

W2XE is the short-wave experimental relay broadcast transmitter owned by the Atlantic Broadcasting Corporation and carrying the regular Columbia Broadcasting System programmes. This transmitter was placed in service March 1, 1933, and is now operating according to the following schedule.

| B.S.T. | Wave |
|-------------------|----------|
| 4 p.m. to 9 p.m. | 19.64 m. |
| 9 p.m. to 11 p.m. | 25.36 m. |
| 11 p.m. to 4 a.m. | 49.02 m. |

During the short time that this transmitter has been operating, hundreds of reports concerning its reception have been received from the following countries: Argentine, Australia, British Guiana, Canada, Canal Zone, Central

America, Cuba, England, Hawaii, Porto Rico, Scotland, Trinidad, and most of the U.S.A.

An unusual feature of the operation of W2XE is the fact that the station identification announcements are made in English, German, French, Italian and Spanish. These announcements are made in order to facilitate the identi-



Aerial and transmitter building of WABC (left) and (above) the W2XE transmitter, short-wave relay unit of CBS

fication of this station by its foreign audience.

W2XE is situated in a corner of the WABC transmitter building, situated in Wayne, New Jersey. Technically, the short-wave equipment is a 1,000-watt, crystal-controlled transmitter which is capable of 100 per cent. modulation. Its construction is such as to permit rapid adjustment to the various frequencies at which it operates.

Short-Wave News Reel

St. George's Day in Bermuda

ON the evening of April 23, at 8.40 p.m., I was tuning my short-wave set in the vicinity of 28 metres and, like Micawber, waiting for something to turn up. Suddenly a voice, speaking in perfectly good English, said . . . "and now we will present the medals." An outburst of hand-clapping followed, then the announcement . . . "You are listening to a relay of the St. George's Day Celebrations, from Bermuda. Coming to you through station ZFD, in St. Georgetown, Bermuda. The bands are now parading before His Excellency the Governor. Practically the whole of the inhabitants of the Colony, together with a large number of American visitors, have gathered here for the Celebrations. The bands will shortly conclude by playing "Land of Hope and Glory" and the "National Anthem." During this announcement, the bands could be heard playing well-known English airs. At the conclusion of the National Anthem, ZFD closed down, without making any further announcement. Halstead, Essex. F. W. G.

The Philadelphia "Photona"

After hearing the conclusion of a talk on the political situation at Washington by W3XAU's "political analyst" at 12.10 a.m. on April 28, my interest was suddenly quickened by an announcement, through a background of what was apparently a string orchestra, that listeners were about to hear the second of a series of recitals by Mr. Eric Wilkinson on the "Photona," to which we were, in fact, already listening. The announcer described the instrument and then for fifteen minutes we were treated to a blend of tone colour unequalled by either orchestra or organ. At one minute one could declare it was an organ playing, but a muted brass quartet as a background to strings and wood-

wind, followed by solo effects on various unknown and strange-sounding instruments, quickly dispelled that idea. Mr. Wilkinson chose from his repertoire a melody by Rudolf Friml, the ever-popular "Kashmiri Song," followed by "Temple Bells," both from "Indian Love Lyrics," by Amy Woodforde-Finden, and concluded with the well-known air "A Kiss in the Dark," at 12.30 a.m. (B.S.T.). The announcer gave particulars of the next recital, which I think will take place on May 11, but my attention was distracted momentarily and I am not certain of the date. I should be glad of confirmation, as I am looking forward to hearing this unusual and beautiful instrument on its third broadcast. I was delighted to find, on opening my WORLD-RADIO this afternoon, a complete article on the "Photona."

Brighouse, Yorks.

W. E. H.

Anzac Day Anniversary

On April 25, at 6.50 a.m., I came across an interesting transmission on the 31-m. band which I found to be VK3LR, Lyndhurst, Victoria. It was a running commentary of the March Past in front of Parliament House, Canberra, in commemoration of Anzac Day. The commentator remarked that a similar scene would be enacted shortly in Whitehall, London, in celebration of His Majesty's Jubilee. He then gave the names of the various Regiments as they passed, not forgetting the "Old Contemptibles." As the music of the bands faded away we were taken over to the studio to listen to records until it was time for the Service to begin. We were then switched over to the Service, which began with a short address followed by the hymn "Lead, Kindly Light," and concluding with one minute's silence followed by the "Last Post" and "God Save the King."

Hawick, Scotland.

W. L.

Below 100 Metres

By "METROPOLITAN"

(April 23 to 28)

ONCE again conditions seem to be normal and the short-wave bands have provided a variety of programmes of real entertainment value. The 19-metre U.S. stations have improved immensely of late; W2XE and W8XK being somewhat weaker than W2XAD, which provides an R7-8 signal on most evenings.

W8XK (19.72 m.) was a steady R6 signal during Tuesday afternoon, but decreased in strength during the evening. W2XAD was also weaker on this occasion, being only R5. After 11.0 p.m. W1XK was heard with a maximum strength of R7. Very little was heard on the 49-metre band, except PRA8 and CT1GO—both being fairly good.

The South Americans improved on Wednesday, and after 11.0 p.m. PRA8 and PRF5 were among the strongest. YV6RV Valencia was particularly strong with 100 per cent. intelligibility. W3XAL (49.18 m.) at 11.45 p.m., with the ever-popular "Little Orphan Annie," was also of special note, being a steady R7 signal.

Late on Thursday evening the S. Americans continued to put up a good show. W1XK was the best U.S. transmission at this time. CT1AA, using a wavelength of 50.17 m., was an exceptionally loud signal at 11.40 p.m.

Among the best stations heard after midnight on Friday were Rome (49.3 m.) at R9, fading at times, to R6, and W2XAF at R7—a very strong signal on most evenings after 11.30 p.m., with low noise level. W2XE (49.02 m.) was also heard well, but was badly interfered with by code stations.

Both W8XK (19.72 m.) and W2XAD were good on Saturday afternoon at 4.45 p.m. Although W2XAD was the stronger of the two, it had a rather high noise level. Rome (25.4 m. and 31.13 m.) was heard testing between 7.0 p.m. and 8.0 p.m. and asking for reports. The transmissions were a steady R9 and of very good quality.

Sydney VK2ME, although only R5, was heard on Sunday afternoon from 4.30 p.m. to 5.30 p.m. Apparently the early morning transmission is the best at this time of year, for, on most occasions lately, VK2ME has been heard at R7 during this transmission.

Short-Wave Notes

A COMMUNICATION received by a reader (T.P., Kelty, Fife) states that the Panama Station HP5B—announcing "Estacion Radiodifusora Miramar de la Radio Panama"—operates daily on 49.75 m. from 6 to 7 p.m. and 2 to 4.30 a.m. (B.S.T.). The power used is 100 watts and the address of the station is Apartado 910, Panama, Republic of Panama, S.A. Reception reports are invited.

* * *

According to an announcement made from W2XAF, on and after Sunday, April 28—when daylight saving time came into operation in America—the revised schedules of the two associated stations will be as follows:—

W2XAD (19.56 m.) 8 to 9 p.m. (B.S.T.).

W2XAF (31.48 m.) 11.30 p.m. to 5 a.m. (B.S.T.). No mention appears to have been made of the early Saturday evening transmission from W2XAF.

Short-Wave Report

SIR,—Perhaps the following report for April 28 will be of interest to other listeners:—

- 12.1 a.m. PRF5 (31.58 m.) R8/N/N. News, call in English.
- 12.2 a.m. W1XK (31.35 m.) R7/FS/X. Talk, call.
- 12.12 a.m. W3XAU (31.28 m.) R6/FS/N. Talk, call.
- 12.15 a.m. YV5RMO (51.28 m.) R7/N/N. Dance music, call at 1.32 a.m.
- 12.35 a.m. PRA8 (49.75 m.) R8/N/N. Songs, call at 1.55 a.m.
- 12.38 a.m. YV6RV (46. m.) R8/N/X. Announcements, call at 1.30 a.m.
- 12.44 a.m. W2XE (49.02 m.) R7/N/X. Call.
- 1.10 a.m. W3XAU (49.5 m.) R8/N/XX. Talk, call at 1.45 a.m.
- 1.49 a.m. HJ1ABB (46.52 m.) R7/ER/X. Violin solo, call.
- 1.52 a.m. HJ4ABE (50.42 m.) R8/N/X. Native music, call at 2.50 a.m.
- 2.30 a.m. YV3RC (48.78 m.) R7/FS/X. March, interval call.
- 2.57 a.m. YV2RC (49.08 m.) R7/N/XX. Announcements, dance music.
- 3.0 a.m. VE9GW (49.26 m.) R9/N/X. Call, piano duet.
- 3.15 a.m. HP5B (49.75 m.) R7/FS/XX. Records, call.
- 3.23 a.m. YN1CB (46.88 m.) R4/FS/XX. Announcements.
- 3.28 a.m. HJ5ABD (46.21 m.) R4/FS/XX. Music.
- 3.38 a.m. TIEP (44.7 m.) R7/N/X. Songs, call.
- 3.44 a.m. OAX4D (51.55 m.) R6/N/N. "The Boys of the Old Brigade."

My set is SG-v-1 with outdoor aerial. All reception on 'phones.

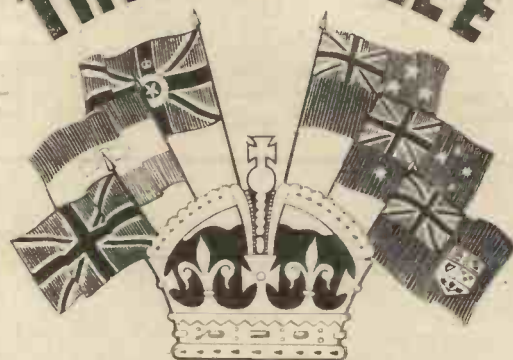
Yours faithfully,

Dartmouth.

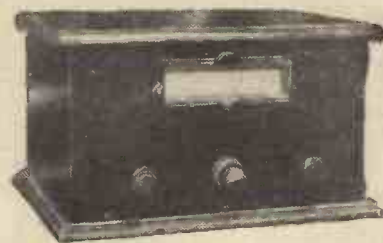
S. J. A. N.

HEAR HOW THE EMPIRE Celebrates

THE JUBILEE



From Adelaide and Toronto, from Cape Town and Calcutta, from Hong Kong and Christchurch the chorus of celebration is being raised. These programmes are being radiated on the ultra-short wavebands; you can hear them on your set—if you fit an Ealex Short-wave Converter. Easy to fit—easy to operate; an Ealex Short-Wave Converter will give you the joys of all-world radio! Write for full details and copy of booklet D.34.



DUPLEX CONVERTOR

Single valve instrument for Battery, A.C. or D.C. Mains receivers. Covers 15-60 metres. 58/- (Battery) 66/- (Mains) complete.

B2 CONVERTOR

Two valve instrument for Battery operation. Covers 15-60 metres. £4 18 0 complete.

M2 SUPER CONVERTOR

(as illustrated)
Two valve instrument A.C. Mains operated. Powerful results on 15-60 metres. £8 15 0 complete. Extra coil available covering 60-120 metres approx. (2/6).

J. J. EASTICK & SONS,
Ealex House, 118, Bunhill Row,
London, E.C.1

(Met. 0314, 6 lines)

PROGRAMME STATIONS

Table of radio stations with columns for location, frequency (kc/s), power (m.), and wavelength (kW). Includes stations like Algiers, Athens, Barcelona, Berlin, and many others.

Programmes: SUNDAY

May 5

PRINCIPAL EVENTS

SERVICES AND SACRED MUSIC

- List of religious and service programs including Italian Stations, Radio-Paris, National, and various regional broadcasts.

OPERAS

- List of opera performances from stations like Paris, Rome, and Stuttgart.

NATIONAL

- Programme schedule for national broadcasts from stations like London, Paris, and other major hubs.

REGIONAL

- Programme schedule for regional broadcasts covering various areas across Europe.

Hours of Transmission in British Summer Time

6 a.m. — 8 a.m.

- Detailed transmission schedule for the 6 a.m. to 8 a.m. slot, listing programs for stations like Berlin, Breslau, and Hamburg.

9 a.m.

BERLIN, 9.0—Service from Potsdam Garrison Church.

BRESLAU, 9.0—Chimes. 9.5—Address and Choral Concert.

BRUSSELS (No. 1), 9.45—Horticultural Notes.

COLOGNE, 9.0—Service (contd. from 8.30). 9.15—Hints for Listeners. 9.40—Surprise Programme.

DEUTSCHLANDSENDER, 9.0—Literary Programme.

FRANKFURT, 9.0—Protestant Service. 9.45—Johann Peter Hebel Anniversary Programme.

HAMBURG, 9.0—Kiel Orchestral Society. Conductor: Döring.

HILVERSUM, 9.35—Records. 9.40—Sports Notes. 9.45—Gardening Talk.

HUIZEN, 9.10—Religious Programme.

KALUNDBORG, 9.15 - 9.45—Missionary Talk.

KÖNIGSBERG, 9.0—Protestant Service.

LEIPZIG, 9.0—Organ (contd. from 8.50). 9.20—Programme Announcements.

MUNICH, 9.0—Schubert (contd. from 8.30). 9.10—Wireless Notes. 9.30—Roman Catholic Service.

OSLO, 9.0—News. 9.5—German. 9.35—English.

PARIS (Poste Parisien), 9.0—Press Review. 9.20—Announcements. 9.30—The Garde Républicaine Band (Records). Hungarian March, "The Damnation of Faust" (Berlioz). España (Chabrier). 9.50—"Spring"—Concert on Records.

PARIS (PTT), 9.0—Soubrielle (Organ). Fugue in C (Buxtehude). La voluptueuse (Couperin). Les papillons (Couperin). Choral (Bach). Fugue in C minor (Bach). Choral in B minor (César Franck). 9.30—For Children.

PARIS (Radio-Paris), 9.0—Italian. 9.20—English.

PRAGUE, 9.0—Talk from Brno. 9.15—Harpischord Recital by Oldrich Kredba. 9.40—For Workers.

ROME, 9.40—Announcements.

STOCKHOLM, 9.0—Forestry Talk. 9.30—Concerto in C for Flute, Harp and Oboe (Mozart) (Records).

STUTTGART, 9.0—Protestant Service. 9.30—Unfamiliar Pianoforte Music played by Günter Homann.

TURIN, 9.25—Announcements. 9.40—News.

VIENNA, 9.0—Records: Austrian Music. 9.45—Mass in D (Sechter) from the Franciscan Church.

WARSAW, 9.0—Hymn; Gym; Records. 9.45—News.

10 a.m.

BERLIN, 10.0—Cathedral Chimes. 10.5—Weather.

BEROMÜNSTER, 10.0—Service. 10.45—Choir, Gilbert and Haase (Viols), Zeller (Viola), and Bäch (Cello).

BRESLAU, 10.0—Bach-Handel. Bruno Janz (Violin), Karl Greulich (Cello), and Kurt Hattwig (Pianoforte). Sonata for Violin and Pianoforte (Bach). Suite for Cello (Bach). Sonata for Violin and Pianoforte (Handel).

BRUSSELS (No. 1), 10.0—Record. 10.5—Commentary on the Unveiling of the Infantry Monument at Brussels; Records.

BRUSSELS (No. 2), 10.0—Records. 10.5—Commentary on the Unveiling of the Infantry Monument; Records.

BUCHAREST, 10.30—Sermon. 10.45—Religious News.

BUDAPEST (No. 1), 10.0—Mass.

COLOGNE, 10.0—Surprise Programme. 10.30—Concert from the Gürzenich. Male Voice Choirs, Cologne Symphony Orchestra, Conductor: Gillissen. "Vom Menschen"—Cantata (Lissmann). Media vita (Sendt). Morgenlied (Sendt). Feier der neuen Front (Trunk). Orchestra: Variations on "Das Deutschlandlied" (Haydn).

DEUTSCHLANDSENDER, 10.45—Talk: German Aviation.

FRANKFURT, 10.0—Hebel (contd. from 9.45). 10.30—Heinrich Schütz. Sacred Music from St. Martin's Church, Cassel. The Cassel Oratorio Society and Choirs. Address by the Rev. Bachmann.

HAMBURG, 10.30—Reading.

HILVERSUM, 10.0—Talk (contd. from 9.45). 10.10—Records. 10.20—Talk. 10.40—César Franck Organ Music by Robert.

HUIZEN, 10.0—Religious Programme. 10.10—Service from

KALUNDBORG, 10.0—Service from the Frederikskirche.

KÖNIGSBERG, 10.0—Russian. 10.40—For Mothers. 10.50—Weather; Programme Announcements.

LEIPZIG, 10.0—Literary Programme.

MOSCOW (No. 1), 10.0—News. 10.15—Tchaikovsky. Conductor: Anossov. Khlinovskaja (Soprano). Italian Caprice. Arias from "The Enchantress" and "Oprichnik." Symphony No. 1 in G minor.

MUNICH, 10.5—Talk by Josef Wehner; Pianoforte Solos by

11.30 A.M. LEIPZIG

BACH'S lute music

played by Hans Neemann on a 24-stringed theorbo

1. Suite, G minor—Prelude, Allemande, Courante, Sarabande, Gavotte 1, 2, Gigue.
2. Prelude, Fugue, Allegro, E flat.
3. Fugue, G minor.

Richard Staab, 10.40—Old Music. Conductor: Feist. Else Marr (Soprano) and Wilhelmine Holzinger-Rauh (Pianoforte). Sinfonia pastorale in D (Stamitz). Five Songs (Mozart). Pianoforte Concerto in G (Haydn).

OSLO, 10.0—English. 10.5—Records. Suite, "The Miracle" (Humperdinck). Pianoforte Concerto in E minor (Mozart). Immer leiser wird mein Schlummer (Brahms). To Spring (Grieg).

PARIS (Poste Parisien), 10.0—"Spring"—Records. 10.8—"Holidays"—Records. 10.20—Sablons and Mircelle Records. 10.35—Station Orchestra. Overture "L'amanit jaloux" (Grétry). Waltz "The Sleeping Beauty" (Tchaikovsky). Selection, "Le cœur et la main" (Lecocq). Song without Words (Mendelssohn). En gâté (Filipucci). Ballet égyptien (Luigini). En sourdine (Hahn). Selection, "Le petit Faust" (Hervé).

PARIS (PTT), 10.0—Sports. 10.15—Locatelli Orchestra. Jane Andral (Soprano). Overture, "The Bohemian Girl" (Balle). Dance (Brahms). Gipsy Idyll (Ferraris). Jalousie (Cade). Caprice (Espinoso). Sevilla (Albeniz). Songs: (a) Coucou Jeannette (Zimmermann). (b) La vieille maison (Casals). (c) Pichouquette (Massenet). Selection, "The Grand Duchess of Gérolstein" (Offenbach). Waltz (Métr). In the Shadows (Finck). Selection "Le Pré aux Clercs" (Hérold). Selection, "Salome" (Joyce). Excerpt, "Madame Pompadour" (Fal).

PARIS (Radio-Paris), 10.0—Book-keeping. 10.40—Spanish.

PRAGUE, 10.0—Muzik Chamber Quartet. 10.25—Talk with Recitations: Napoleon. 10.55—An Appeal.

ROME, 10.0—Rural Programme.

SOTTENS, 10.0—Service.

STOCKHOLM, 10.0—Talk: Unfamiliar Swedish Speech. 10.30—Talk.

STUTTGART, 10.0—New German Lyrics. 10.15—Löwe Ballads by Hermann Achenbach. 10.45—German Nation, German Heritage: "Overseas"—Play (Kanig).

TURIN, 10.0—Rural Programme.

VIENNA, 10.0—Mass (Sechter) (contd. from 9.45).

WARSAW, 10.0—Service; Records.

11 a.m.

BERLIN, 11.0—"A Spring Excursion"—Sequence (Achim von Akerman). 11.30—Station Choir. Conductor: Thomas.

BEROMÜNSTER, 11.0—Choir and Instruments (contd. from 10.45). 11.30—Esther Odermann reads.

BRESLAU, 11.0—Literary Programme.

BRUSSELS (No. 1), 11.0—Records. 11.55—Weather.

BRUSSELS (No. 2), 11.0—Orchestra. Conductor: Walpot. March (Strauven). Waltz, "Hopjes et Hopjes" (Lauwerijns). Overture, Banditenstreiche (Supré). Serenade

for Flute and Horn (Till). Selection, "Les Saltimbanques" (Ganne). Sentiment (Saeys). Suite (van Boterdael).

BUCHAREST, 11.0—Sacred Music. 11.30—Radio Orchestra.

BUDAPEST (No. 1), 11.0—Mass (contd. from 10.0). 11.15—Protestant Service.

COLOGNE, 11.0—Concert (contd. from 10.30). 11.35—A Visit to the Abbey Church at Altenberg.

DEUTSCHLANDSENDER, 11.0—Recitations (Gerbrecht). 11.15—Weather. 11.30—Bach and Handel Chamber Music by Carl Bittner (Harpischord), Bruno Masurat (Violin) and Heinz Breiden (Flute and Alto Flute). Larghetto for Alto Flute (Handel). Trio in F (Handel). Sonata in A minor for Flute and Harpischord (Handel). Trio in G (Bach).

FRANKFURT, 11.0—Schütz (contd. from 10.30). 11.30—Talk: Aviation. 11.45—Hans Henning reads from his new book, "Ein Ruf erklingt."

HAMBURG, 11.20—May, from the "Calendar." Cantata (Schnack). 11.30—Talk: The Harz-Bremen Water Supply.

HILVERSUM, 11.0—Organ (contd. from 10.40). 11.25—Talk. 11.40—V.A.R.A. Orchestra. Conductor: de Groen. In the Interval: Talk.

HUIZEN, 11.0—Service (contd. from 10.10). 11.40 (approx.)—Records: Sacred Music.

KALUNDBORG, 11.0—Service (contd. from 10.0). 11.30—News.

KÖNIGSBERG, 11.0—Reichardt Songs by Rita Weise (Soprano) and Josef Müller-Blattau (Pianoforte). 11.30—Humorous Stories and Verse.

LEIPZIG, 11.0—Albrecht von Heinemann Commemoration Programme from Weimar. 11.30—Bach.

MONTE CENERI, 11.30—News; Religious Address.

MOSCOW (No. 1), 11.0—Tchaikovsky (contd. from 10.15).

MUNICH, 11.0—Old Music (contd. from 10.40). 11.20—Recitations (Otto Fesch). 11.30—Reli Wittek (Contralto) and Gustav Schoedel (Organ).

OSLO, 11.0—Service.

PARIS (Poste Parisien), 11.0—Orchestra (contd. from 10.35). 11.33—Records. 11.48—Scenes, "Le médecin malgré lui" (Molière) (Records).

PARIS (PTT), 11.0—Orchestra (contd. from 10.15).

PARIS (Radio-Paris), 11.0—Records. Casals: Toccata in G and Adagio (Bach). Lotte Lehmann: Largo (Handel). Ave verum (Mozart). 11.15—Pierre Revel (Organ). Sonata No. 1 (Mendelssohn). Toccata in F (Bach). 11.45—Address by the Rev. Father Bith.

PRAGUE, 11.0—Station Orchestra. Conductor: Jeremias. Berta Rixová (Pianoforte). Overture, "Arcona's End" (Fibich). Fantasy for Pianoforte and Orchestra. (Kabelac). The Golden Spinning Wheel (Dvořák).

ROME, 11.0—See Turin.

SOTTENS, 11.0—Records: Violin Concerto in A (Mozart). 11.30—Faller (Organ) with Introductory Talk. Toccata in C (Bach). Benedictus (Couperin). Dialogue en trio du cornet et de la tierce (Couperin). Grand Plein jeu (Raison). Echo (Reison). La vallée du Béhôréguy au matin (Bonnaul). Chorale in A minor (Franck).

STOCKHOLM, 11.0—Service from the Storakyrka.

STUTTGART, 11.0—Play (contd. from 10.45). 11.30—Scheffel Commemoration Programme from the Scheffel Memorial, Karlsruhe. The Concordia Choral Society, Paul Melber and Friedrich Prüter (Recitations).

12.15 P.M. WARSAW

The Philharmonic

Conducted by Ozimiński

- Overture, Carnival Romain, Berlioz
- Rhapsody, España, Chabrier
- Cello Concerto, Saint-Saëns (T. Michalowicz)
- 6th Symphony Tchaikovsky

TURIN, 11.0—Mass from the Church of the Annunciation, Florence.

VIENNA, 11.0—Talks: (a) Wine-growing, (b) House-keeping. 11.45—Vienna Chamber Orchestra. Conductor: Audrieth. Grete Hinterhofer (Pianoforte). Overture, "Don Giovanni" (Mozart). Pianoforte Concerto in G minor (Mendelssohn). Serenade (Tchaikovsky).

WARSAW, 11.0—Records.

12 noon

BARCELONA, 12.0—Chimes; Weather. 12.15—Municipal Band, from the Palacio de Bellas Artes. Conductor: Lamote de Grignon.

BERLIN, 12.0—Concert. Small Station Orchestra, Conductor: Steiner. Georg Freundorfer (Zither), with his Quartet. Berlin French Horn Ensemble, Conductor: Loose. Berlin Young People's Choir, Conductor: Bolt. March, Vorwärts in die neue Zeit (Krützfeldt). Saltarello (Helmberger). Czardas (Muhr). Zither and Quartet: (a) March, Die singende Zither (Nützel), (b) Waltz, Der Weg zum Herzen (Freundorfer), (c) Rüben nach Tirol (Labori). Folk Melodies for French Horns and Choir. Dance Suite, "The Bartered Bride" (Smetana). Temptation (Lodge). Zither and Quartet: (a) March, Gruss aus Oberalfalberg (Freundorfer), (b) Waltz, Ein Sommertag in Reichenhall (Freundorfer-Derken), (c) Berchtesgadener Freuden (Nützel). Folk Melodies for French Horn and Choir. Zither and Quartet: (a) March, Fideles München, and (b) Waltz, Die Veilchen vom Kochelsee (Freundorfer). Pesther-Walzer (Lanner). Gerade aus! (Gobbaerts).

BEROMÜNSTER, 12.0—Radio Orchestra. Conductor: Hofmann. In the Interval at 12.30: News.

BRATISLAVA, 12.15—Station Orchestra. Conductor: Dyk. Ibi (Violin).

BRESLAU, 12.0—Station Orchestra. Conductor: Rischka. Kurt Hattwig (Pianoforte) and Karl Greulich (Cello).

BRUSSELS (No. 1), 12.0—Radio Orchestra. Conductor: Douliez. Overture, "Figaro" (Mozart). Gartenlaube (Strauss). Excerpts, "Hansel and Gretel" (Humperdinck). Pas des écharpes, from Calirhoé (Chaminade). Désir (Van Boterdael). Divertissement rhapsodique (Leemans). Carnaval (Gulraud). In the Interval at 12.20: Records of the Film, "Le Bossu."

BRUSSELS (No. 2), 12.0—Request Records.

BUCHAREST, 12.0—Radio Orchestra (contd. from 11.30). 12.30—Cretzu Orchestra.

BUDAPEST (No. 1), 12.0-12.30—Greetings from the International Fair.

BUDAPEST (No. 2), 12.40—Records.

COLOGNE, 12.0—Music by Bonn Composers, from the Beethovenhalle, Bonn. Bonn Students' Choir and Chamber Orchestra. Conductor: Schrader. Overture, "Prometheus" (Beethoven). Bur-schen heraus. Der Gott, der Eisen wachsen liess. Heraus, heraus, die Klängen. Minuet (Lorenz). Elegy (Roland). Gavotte and Waltz (Neuschör). Serenade (Rieth). Stoss an, Bonna soll leben. Ein frohes Herz voll Lieb und Lust. Rheinisch Comedy Overture (Wietz). Rheinische Kirme (Anzer). Frühlingstag am Rhein (Anzer). Student sein, wenn die Veilchen blühen. Es rauschen die Wogen im Strome dahin. Ballad and March (Rieth). Nach Ostland geht unser Ritt. Kameraden, wir marschieren. March, Alles für Deutschland (Christ).

DEUTSCHLANDSENDER, 12.0—See Berlin. In the Interval at 12.55: Greetings.

FRANKFURT, 12.0—See Berlin.

HAMBURG, 12.0—See Berlin. 12.55—Announcements.

HILVERSUM, 12.0—Orchestra (contd. from 11.40). 12.40—Time. 12.41—Dutch Soloists' Octet. Suite (Chaminade). Arabesque (Debussy). Tarantella (Monti). Salut d'amour (Elgar). Waltz (Godard). Tchaikovsky Potpourri ("Drukker"). La Toupie (Gillet). Humoresque (Dvořák). Gallop (Bizet). Passepied (Delibes). Valse des fleurs (Delibes). Dance Suite (Smetana).

HUIZEN, 12.0—Sacred Music (Records). 12.55—K.R.O. Orchestra. Conductor: van 't Woud. Frisch gewagt (Blankenburg). Overture, "Gri-Gri" (Lincke). Moonlight on the Alster (Fétras). Entr'acte-Gavotte (Gillet). Von Bühne zu Bühne (Fétras). Boots and Saddles (Lusk).

SUNDAY May 5

JUAN-LES-PINS (Radio Côte d'Azur), 12.15—Station Orchestra.

KALUNDBORG, 12.1—Radio Orchestra. Conductor: Reesen. Overture, "The Daughter of the Regiment" (Donizetti). Canzonetta and Finale from the Serenade for Strings (Herbert). Excerpts, "Belshazzar's Feast" (Sibelius). Introduction and Serenade, "Gurre" (Halvorsen). Excerpt, "The Queen of Spades" (Tchaikovsky). Slav Dance (Dvořák).

KÖNIGSBERG, 12.0—See Berlin.

LEIPZIG, 12.0—Military Band from the Augustusplatz. Conductor: Giltch. Three Marches. Overture, "Die Felsenmühle" (Reissiger). Nur für Natur (Strauss). Two Marches. Polonaise No. 2 (Liszt). Military March (Krimmling). Gruss an Kiel (Spohr). Preussens Gloria (Piefke).

MADRID (EAJ7), 12.30—Municipal Band from the Retiro.

MONTE CENERI, 12.0—Arias from Italian Opera (Records). 12.32—Radio Orchestra. Conductor: Herschel. 12.55—News.

1.50 P.M. PARIS (PTT)

Relay from the OPERA-COMIQUE

"Les Noces de Jeannette" in one act Victor Massé "Madame Butterfly" Puccini with Mme. Suzanne Fisher and M. Lugo.

MUNICH, 12.0—Military Band from the Feldherrnhalle. 12.55—Weather; Programme Announcements.

OSLO, 12.0—Service (contd. from 11.0). 12.45—News.

PARIS (Poste Parisien), 12.0—Interlude. 12.5—Records. 12.15—Light Music. 12.45—Announcements. 12.50—Concert with Maury and Gilberte Legrand.

PARIS (PTT), 12.0—Orchestra (contd. from 10.15). 12.15—Derveaux Symphonic-Jazz Orchestra. American March (Souza). Souviens-toi (Waldteufel). C'est lui (van Parys). Overture, "Mirella" (Gounod). Foxtrot (Yvain). Dance (Tchaikovsky). Unexpected Happiness (Neufville). Selection, "Frasquita" (Léhar). Foxtrot (Gérens). Ballet Music, "Hamlet" (Thomas). Intermezze (Steele). Foxtrot (Hummel).

PARIS (Radio-Paris), 12.5—Records: "The Messiah" (Handel). 12.15—Orchestra. Conductor: André Refrain des Acieries (Massenet). Venetian Waltz, "Le Timbre d'Argent" (Saint-Saëns). Overture, "The Merry Wives of Windsor" (Nicolaï). Chant crépusculaire (Brusselmanns). Le ramier (Reynaud). Waltz in E flat (Chopin). Minuet, "Le Capitaine Fracasse" (Pessard). Ballet, "La Maladetta" (Vidal). Excerpts, "Le Chevalier d'Eon" (Berger-Missa). Wine, Woman and Song (Strauss). Très jolie (Waldteufel). Selection, "The Desert Song" (Romberg). Teddy Bear's Picnic (Bratton).

PRAGUE, 12.0—Cathedral Chimes. 12.5—Press Review. 12.15—See Bratislava. 12.50—Reading.

ROME, 12.0-12.15—Bible Reading. 12.30—Records.

SOTTENS, 12.0—Organ (contd. from 11.30). 12.30—News. 12.40—Records.

STOCKHOLM, 12.0—Service (contd. from 11.0). 12.45—Weather.

STUTTGART, 12.0—See Berlin.

TURIN, 12.0-12.15—Bible Reading. 12.30—Records.

IT IS SUGGESTED that readers cut off corners of the programme pages in order to facilitate turning to the alphabetical list of stations

SUNDAY May 5

12 noon (contd.)

VIENNA, 12.0—Vienna Chamber Orchestra (contd. from 11.45). 12.50—Orchestra. Conductor: Seidl. St. Hubertus-Ouverture (Fuëlk). Waltz, Hubert, konn (Ziehrer). Suite, Aus einem Märchenbuch (Engelmann). Lehár Waltz Potpourri (Robrecht). Dance of the Hours, "La Gioconda" (Ponchielli). Waltz, Schwert-und Leier (Strauss). March, Mann an Bord (Waeck).
WARSAW, 12.0—Fanfare: Theatre Review. 12.15—Warsaw Philharmonic.

1 p.m.

ATHLONE, 1.0—Records.
BARCELONA, 1.0—Chimes. 1.5—Municipal Band (contd. from 12.15).
BERLIN, 1.0—Concert (contd. from 12.0).
BEROMÜNSTER, 1.0—Radio Orchestra (contd. from 12.0). 1.30—The Würlenos Double Quartet.
BRATISLAVA, 1.0—Orchestra (contd. from 12.15).
BRESLAU, 1.0—Orchestra (contd. from 12.0).
BRUSSELS (No. 1), 1.0—News. 1.10—Request Records.
BRUSSELS (No. 2), 1.0—News. 1.10—Orchestra. Conductor: Doulez. Morning, "Peer Gynt" (Grieg). Excerpts, "Tiefand" (d'Albert). Pavaiges flandams (De Taeye). Bavarian Dances (Pachernegg). Norwegian Rhapsody (Svendsen). Excerpts, "En Bretagne" (Rhené-Baton).
BUCHAREST, 1.0—Cretzu Orchestra. 1.15—News. 1.40—Orchestra (contd.).
COLOGNE, 1.0—Greetings. 1.5—Bonn Composers (contd. from 12.0).
DEUTSCHLANDSENDER, 1.0—See 12.0 Berlin.
FRANKFURT, 1.0—See 12.0 Berlin.
HAMBURG, 1.0—Announcements. 1.15—See 12.0 Berlin.
HILVERSUM, 1.0—Octet (contd. from 12.41). 1.30—Art Talk. 1.50—Light Music. Kovacs Lajos Orchestra.
HUIZEN, 1.0—K.R.O. Orchestra (contd. from 12.55). 1.40—Literary Talk.

JUAN-LES-PINS (Radio Côte d'Azur), 1.0—News. 1.15—Station Orchestra. 1.30—"Visite de Coloquinte"—Sketch (Bigot); Light Music.
KALUNDBORG, 1.0—Talk in English. 1.20—Talk in German: German Mountain Railways. 1.40—Topical Talk in French.
KÖNIGSBERG, 1.0—See 12.0 Berlin.
LEIPZIG, 1.0—See 12.0 Berlin.
MONTE CENERI, 1.30—Ottorino Colombo (Mandoline) and Barvas (Harpischord).
MUNICH, 1.0—Munich Symphony Orchestra. Conductor: Agop.
OSLO, 1.0—Russian Music. Ragna Schack (Songs); Borisoff (Balalaika and Domra). Balalaika: Russian Fantasia (Vygodski). Songs: (a) Russian Folk Song, (b) Moskva (Decker-Schenk), (c) Tanguilo (Alonso), (d) Russian Waltz (Stolz). Domra: (a) The Sleeping Beauty (Borodin), (b) Caucasian Song (Pomansanski). Songs: (a) Black Eyes, (b) Troika, (c) Tiefs Lied, (d) In the Urals. Balalaika: (a) Polonaise (Andreiev), (b) Folk Song (Spivakowski).

PARIS (Eiffel Tower), 1.0—News. 1.30—The Ibos Orchestra. Mme. Scivitaro (Mandoline). Slav Dance (Dvořák). Romanian Folk Music Suite (Leoni). Concert Waltz (Marucelli). Caprice (Darizeno). Selection, "Countess Maritza" (Kálmán). Selection, "Zampa" (Hérold) and "Le jour et la nuit" (Lecocq). Mandoline: (a) Fantasia in C (Ranieri), (b) Memories of Sicily (Leonardi). En relisant vos lettres (Masson). Ochsenmennet (Haydn). Réverie du soir (Saint-Saëns). Selection, "Die Fledermaus" (Strauss).
PARIS (Poste Parisien), 1.0—Concert (contd. from 12.50). 1.20—Interlude. 1.30—Records.
PARIS (PTT), 1.0—Orchestra (contd. from 12.15). In the Interval at 1:20: News. 1.50—Operas.

PARIS (Radio-Paris), 1.0—Orchestra (contd. from 12.15). In the Interval at 1:20: News.
PRAGUE, 1.5—See 12.15 Bratislava. 1.30—For Farmers. 1.45-1.55—Legal Talk.
REYKJAVIK, 1.0—Service.
ROME, 1.0—Time; News. 1.10—See Turin.
STUTTGART, 1.0—Topical Programme. 1.15—See 12.0 Berlin. 1.50—Announcements.
TURIN, 1.0—Time; News; Records. 1.10—Records.
VIENNA, 1.0—Orchestra (contd. from 12.50).

4.0 P.M. FRANKFURT

POPULAR music

The Bad Nauheim Orchestra
Conductor, Walter Stover
Maria Müller-Grasnick (soprano)
Otto Franze (pianoforte)

WARSAW, 1.0—Readings from Chesterton's "The Man Who Was Thursday". 1.15—Philharmonic (contd. from 12.15).

2 p.m.

ATHLONE, 2.0—Records.
BERLIN, 2.0—Report of the Berlin-Wittenberg-Berlin Race. 2.15—Chamber Music by the Eweler Trio. Movements from the String Trio in F (Boccherini). Trio in E flat (Haydn). String Trio in B flat (Schubert).
BEROMÜNSTER, 2.0-2.30—Talk: Window-boxes.
BRESLAU, 2.0—News. 2.10—Two Humorous Sketches for Women (Friede Gewecke). 2.30—Report for Hitler Youth. 2.35—Greetings. 2.40—Instrumental Soloists with Bruno Jagielski (Tenor).
BUDAPEST (No. 1), 2.0—Pali Rác Cigány Band.
COLOGNE, 2.0—Talk: Eifel Farmers and Farms. 2.45—May Programme for Children.
DEUTSCHLANDSENDER, 2.0—"Der Hasenhirt"—Fairy Play (Wollmann). 2.35—Peasant Dances by Georg Blumensaat and Werner Kirchhoff. 2.45—A Story about a Stork.

FRANKFURT, 2.0—See Stuttgart. 2.45—Stories of the People.
HAMBURG, 2.0—"Dörnroschen"—Fairy Play (Wollmann), with Music by Blumensaat. Conductor: The Composer.
HILVERSUM, 2.0—Light Music (contd. from 1.50). 2.40—Talk: Poems of Herman Gorter.
HUIZEN, 2.0—K.R.O. Orchestra. Conductor: Van't Woud. Cockney Suite (Ketelbey). La Serenata (Braga). Potpourri, from A to Z (Geiger). 2.40—Religious Address.
JUAN-LES-PINS (Radio Côte d'Azur), 2.0—Protestant Service.
KALUNDBORG, 2.0—Records. 2.30—For Children.
KÖNIGSBERG, 2.0—Chess. 2.30—Talk: Rio de Janeiro. 2.50—"May"—Literary and Musical Programme. The Danzig Male Voice and Ladies' Choirs. Conductor: Linning; with Elisabeth Günther and Alfred Kruchen.

LEIPZIG, 2.0—Weather. 2.5—Talk: Altenburg Peasants and German Soil. 2.30—"Das Taubertal"—Word Picture for Young People (Erica Buhlmann).
MONTE CENERI, 2.0—English Marches (Records). Soldiers in the Park (Hopwood-Monckton). The Soldiers of the King (Stuart). Colonel Bogy (Alford). Youth and Vigour. Martial Moments. Nautical Moments. God Bless the Prince of Wales (Richards). God Save the King (Bull). 2.30—Report on the International Football Match Switzerland v. Ireland.
MOSCOW (No. 1), 2.0—Swedish Programme: (a) Weekly Review, (b) Press Review.
MUNICH, 2.0—See Stuttgart. 2.45—Talk: Game Laws.

OSLO, 2.0—Russian Music (contd. from 1.0).
PARIS (Eiffel Tower), 2.0—Orchestra (contd. from 1.30).
PARIS (Poste Parisien), 2.0—Request Programme.
PARIS (PTT), 2.0—Operas (contd. from 1.50).
PARIS (Radio-Paris), 2.0—Bilboquet. 2.15—André Vavon and André

Smith (Songs). 2.50—Final of the Coupe de France, from the Colombes Stadium.
ROME, 2.0—See Turin. 2.15-3.0—Mediterranean Programme.
SOTTENS, 2.45—Radio Report.
STUTTGART, 2.0—"Der Teufel mit den drei goldenen Haaren"—Fairy Play (Grimm-Mann). 2.45—Report of the Balloon Naming and Flight from Cannstatt.
TURIN, 2.0-2.15—Records.
VIENNA, 2.0—Festival Programme for the Six Hundredth Anniversary of Carinthia's Annexation to Austria relayed from the Landhaus, Klagenfurt (on Records).
WARSAW, 2.0—Records.

3 p.m.

BARCELONA, 3.0—Music.
BERLIN, 3.30—Reports and Advice for Farmers.
BRESLAU, 3.0—Instrumental and Tenor (contd. from 2.40). 3.15—"Falada and the Goosegirl"—Fairy Play (Grimm-Klinger).
BUDAPEST (No. 1), 3.0—For Farmers. 3.30—Greetings.
BUDAPEST (No. 2), 3.0—Military Band. Conductor: Figydy-Fichtner.
COLOGNE, 3.5—Humorous Guessing Competition. 3.30—Relay from the Youth Hostel at Monschau.
DEUTSCHLANDSENDER, 3.0—Thirty Minutes of Variety from Hollywood—Programme from the NBC, New York (Records). 3.30—"The Village Night-Watch"—Play (Hoinks).
FRANKFURT, 3.0—Rural Programme.
HAMBURG, 3.0—Station Trio. 3.35—Talk: Monkeys.
HILVERSUM, 3.0—Talk (contd. from 2.40). 3.10—Hedy Kraft (Pianoforte) and Lotte Kraft (Violin). Sonatina (Reger). Pianoforte: Intermesso and Capriccio (Brahms). Suite, Pulcinella (Pergolesi-Stravinsky). 3.55—A.V.R.O. Orchestra. Conductor: Treep. Overture, "Le Corsair" (Berlioz). Unfinished Symphony in B minor (Schubert). Nachtmusik for Strings (Heubeger). Selection, "Tannhäuser" (Wagner). Dancing Nights (Coates).
HUIZEN, 3.0—Religious Address. 3.10—Records. 3.25—K.R.O. Boys. Conductor: Lutenhouwer. La Fera (Ventura). I'm your slave (Tovey). Ballzauber (Lincke). Let me call you mine (Johnson). Two

The Augustus Platz, Leipzig, from which to-day's band concert comes at 12 noon



Cigarettes in the Dark (Webster). Celle que j'aime (Gabriel-Marie). Jovial (Gnecco). Records. Pusztalegenden (Lindsay-Thiemer). Why do I dream those Dreams (Warren). Rusticanelle (Cortopassi). Narcissus (Nevin). Serenade (Tarengi). Fox-trot-March (Bochmann).

KALUNDBORG, 3.0—Radio Orchestra. Conductor: Gröndahl. Elga Gaspari (Pianoforte). Overture, An occasional Anthem (Handel). Minuet and Finale, Symphony in C (von Dittersdorf). Death and the Maiden (Schubert). Concert Overture, Fingal's Cave (Mendelssohn). Pianoforte: (a) Variations sérieuses (Mendelssohn), (b) Two Caprices (Schumann). Norwegian Rhapsody (Svendsen). Wedding Day on Troldhaugen (Grieg). Selection, "Eugène Onegin" (Tchaikovsky). Melody in Swedish Style (Peterson-Berger). March, "The Damnation of Faust" (Berlioz).

KÖNIGSBERG, 3.0—"May" (contd. from 2.50). 3.30—Accordion Band. Conductor: Hübsch.

LEIPZIG, 3.0—Folk Music from Dresden. Mandoline Double Quartet, Adolf and Anna Arnold (Zither) and Heinz Munkel (Bandonion). Hungarian Dance (Ludwig). Forellenspiele (Baldamus). Urwiener Volksmusik (Pörschmann). Paraphrase on Pressel's Song "An der Weser" (Ludwig). An die Musik (Chartofilax). Spanish Serenade (Dilys). Two Old German Dances: (a) Mädel, komm mit, (b) Mit meinem Mädelchen. Spieldose (Obermaier). Ländler (Albert). 3.40—Talk: Kestrels.
MONTE CENERI, 3.0—Football Report (contd. from 2.30).
MOSCOW (No. 1), 3.15—For Children. 3.58—Time.
MUNICH, 3.5—Regensburg, Zither Quartet. 3.40—An Ascent of the Dent Blanche.
PARIS (PTT), 3.0—Operas (contd. from 1.50).
PARIS (Radio-Paris), 3.0—Football Cup Final (contd. from 2.50).
SOTTENS, 3.0—Radio Report.
STOCKHOLM, 3.0—Light Music by the Galli Orchestra.
STUTTGART, 3.0—Report (contd. from 2.45). 3.15—Light Music by Erich Ockert (Xylophone), Max Ladewig (Pianoforte) and Hans Thaler (Accordion). 3.45—Programme for Artisans.
TURIN, 3.30—Records; Sports Notes.
VIENNA, 3.0—Time; News. 3.10—Book Review. 3.35—Pianoforte Quartet in E flat (Dvořák). Margarethe Kolbe-Jüllig (Violin), Dora Streicher (Viola), Lucie Weiss (Cello) and Anny Bock-Walter (Pianoforte).
WARSAW, 3.0—For-Farmers. 3.15—Records: Polish Music. 3.22—Markets. 3.35—Records: Songs. 3.45—Talk.

4 p.m.

BARCELONA, 4.0—For Hospitals.
BERLIN, 4.0—See Munich.
BEROMÜNSTER, 4.0—Women's Choir. 4.45—Intermezzi and Serenades by the Radio Orchestra. Conductor: Neppach.
BRATISLAVA, 4.0—Orchestra.
BRESLAU, 4.0—Orchestra, from the Kurpark, Bad Salzbrunn. Conductor: Kaden. Maikräter-Marsch (Becker). Overture, "Oberon" (Weber). Waltz, Frühling in der Heimat (Krome). To Spring (Grieg). Selection, "Preciosa" (Weber). March, Es war ein Knab gezogen (Zimmer). Overture



(Leuschner). Gavotte from the Suite in A (Bach). Selection, "Firenze ridente" (Raffaelli). March, Treue Gefolgschaft (Urban). Selection, "La Traviata" (Verdi). Waltz, Sommerabend (Löhr). Four German Dances (Mozart). March, Feuer und Flamme (Mennecke).

BUCHAREST, 4.0—For Farmers.
COLOGNE, 4.0—Concert, from the Rheinhof Dreesen, Godesberg. Small Station Orchestra. Conductor: Eysoldt. March, Vater Rhein (Lincke). Overture, "The Land of Smiles" (Lehár). Waltz, An der schönen grünen Narenta (Komzak). Paraphrase on "O sole mio" (di Capua-Mauss). Kisses in the Dark (Michele). Czardas (Hubay). Pizzicato-Polka (Strauss). Annen-Polka (Strauss). Selection, "Clivia" (Dostal). Am schönen Rhein gedenk' ich dein (Lincke). Dance Music. In the Intervals: Report of the Cologne Stadtwald Races.
DEUTSCHLANDSENDER, 4.0—See Munich.

FRANKFURT, 4.0—Concert, from the Kurhaus, Bad Nauheim. Kurhaus Orchestra. Conductor: Stover. Maria Müller-Grasnick (Soprano) and Otto Franze (Pianoforte). Overture, "Der Freischütz" (Weber). Invitation to the Dance (Weber). Ballet Suite, "Coppélia" (De'ibes). Aria, "Der Freischütz" (Weber). Aria, "The Force of Destiny" (Verdi). Akademische Fectouverture (Brahms). Hungarian Dances (Brahms). Hungarian Rhapsody (Liszt). Songs (Strauss): (a) Traum durch die Dämmerung, (b) Freundliche Vision, (c) Ruhe meine Seele, (d) Zueignung. Waltz, "Der Rosenkavalier" (Strauss). Variations on a Folk Song (Stover). Suite, "Carmen" (Bizet).

HAMBURG, 4.0—See Munich.
HILVERSUM, 4.0—Orchestra (contd. from 3.55).
HUIZEN, 4.0—K.R.O. Boys (contd. from 3.25). 4.40—For Invalids.
KALUNDBORG, 4.0—Orchestra (contd. from 3.0).
KÖNIGSBERG, 4.0—See Munich.
LEIPZIG, 4.0—Station Orchestra. Conductor: Blumer. Marianne Rau-Höglaue (Soprano) and Helmut Schaefer (Pianoforte). Donausagen (Fuëlk). Excerpt, "Peer Gynt" (Grieg). German Dances (Schubert). Bavarian Folk Songs: (a) Z' Lauterbach, (b) Da drobn auf dem Bergal gu, gu, (c) Hinter meim Vater sein Stadel, (d) Bin ein und ausanga. Waltz (Schaub). Tarantella (Martucci). Selection, "Undine" (Lortzing). Bavarian Folk Songs: (a) Wenn's irgendwo brennt, (b) Bitte an den Mond, (c) Wenn i halt fruh afsteh, (d) Sitzt a Kreisl voer im Tannene Wald. Frohsinn auf den Bergen (Fetras). Overture, "Gri gri" (Lincke). Pluie d'or (Waldteufel). Alpenlieder-Marsch (Gruber). Wanderlieder-Marsch (Liedemann).

MONTE CENERI, 4.0—Football Report (contd. from 2.30). 4.30—Chess. 4.45—Concert from the Kursaal, Lugano. In the Intervals: Dance Records.
MOSCOW (No. 1), 4.0—News. 4.30—Communist Party Programme.
MUNICH, 4.0—Concert. Small Station Orchestra. Conductor: Kloss. Rodina Balalaika Orchestra. Adolf Vogel and Lilly Preisie (Songs); Hugo Reker (Pianoforte). Overture, "The Land of Smiles" (Lehár). Waltz, Seid unschlungen, Millionen (Strauss). Songs (Graener): (a) Palmström, (b) Seufzer, (c) Der Nachtschelm und das Siebenschwein, (d) Der Rock, (e) Das Monatschaf. Dance Suite (Lautenschlager). Balalaika Orchestra. Songs. Pianoforte: Ballet Scenes (Bériot). Hungarian Rhapsody No. 2 (Liszt). Songs: (a) Songs of the Volga (Mussorgsky), (b) Abschied (Wolf). In einer Sommernacht (Spies). Waltz, Blütenzauber (Löhr). Serenade (Kark). Ländler (Poitgiesser). Pieces (Coates).

OSLO, 4.10—Halvorsen Trio. 4.40—Talk.
PARIS (PTT), 4.0—Operas (contd. from 1.50).
PRAGUE, 4.0—Orchestra.
ROME, 4.15—Talk. 4.30—Records; Sports Notes.
SOTTENS, 4.0—Marek Weber's Orchestra.
STOCKHOLM, 4.0—Talk: Child Welfare. 4.30—Cabaret for Children.
STUTTGART, 4.0—See Munich.

VIENNA, 4.0—Pianoforte Quartet (Dvořák) (contd. from 3.35). 4.35—Talk: Cameron.
WARSAW, 4.0—Marie Sokol (Soprano), Rudnicki (Pianoforte). Songs: (a) Les cloches (Debussy), (b) Nuit d'étoiles (Debussy), (c) Il pleure mon cœur (Florent Schmitt), (d) Crépuscule (Massenet), (e) Si tu veux mignonne (Massenet). Suite bergamasque (Debussy) Arias, "L'Enfant prodige" (Debussy), "Louise" (Charpentier). 4.40—Reading.

5 p.m.

BARCELONA, 5.0—Records.
BERLIN, 5.0—See 4.0 Munich.
BEROMÜNSTER, 5.0—Intermezzi and Serenades (contd. from 4.45). 5.20—Reading (Huber). 5.50—Italian Opera Music. Radio Orchestra. Conductor: Neppach.
BRATISLAVA, 5.0—Orchestra. 5.55—Hungarian Transmission: "The Tatra Mountains"—Radio Film with Songs and Recitations.
BRESLAU, 5.0—Orchestra (contd. from 4.0).

5 p.m. (contd.)

BRNO, 5.30—Records. 5.50—German Transmission. Station Orchestra. Conductor: Jalowetz. Louise Krubl (Contralto) and Ritschel (Baritone).

BRUSSELS (Nos. 1 and 2), 5.0—Concert from the Exhibition.

LUCHAREST, 5.0—Dinico Orchestra.

BUDAPEST (No. 1), 5.0—Choral Concert. 5.50—Talk.

BUDAPEST (No. 2), 5.55—Irene Eyssen (Songs).

COLOGNE, 5.0—Concert (contd. from 4.0).

DEUTSCHLANDSENDER, 5.0—See 4.0 Munich.

FRANKFURT, 5.0—Concert (contd. from 4.0).

HAMBURG, 5.0—See 4.0 Munich.

HILVERSUM, 5.0—Orchestra (contd. from 3.55). 5.10—Records: Running Commentary on a Football Match; Sports Notes. 5.40—Orchestra. Conductor: Boers. March, "The Prophet" (Meyerbeer). Overture, "The Nuremberg Doll" (Adam). Selection, "L'Arlesienne" (Bizet). March, Colonel Bogey (Alford). Overture, "Orpheus in the Underworld" (Offenbach). Lustige Wienerinnen (Ziehrer).

HUIZEN, 5.0—For Invalids. 5.40—Records: Sacred Music.

KALUNDBORG, 5.0—Service from Christiansborg Castle Church.

KÖNIGSBERG, 5.0—Sports Notes. 5.10—See 4.0 Munich.

LEIPZIG, 5.0—Station Orchestra (contd. from 4.0).

MONTE CENERI, 5.0—Concert (contd. from 4.45). 5.45—For Children.

MORAVSKÁ-OSTRAVA, 5.30—Talk with Recitations. 5.45—Records.

MOSCOW (No. 1), 5.0—Communist Party Programme. 5.30—Opera from the Grand Theatre.

MUNICH, 5.0—Concert (contd. from 4.0).

OSLO, 5.0—Bergen Radio Orchestra.

PARIS (Poste Parisien), 5.0—Light Music (Records).

PARIS (PTT), 5.30—"La Ruse" Two-Act Play (Rolland-Hersent).

PARIS (Radio-Paris), 5.0—Andolfi Orchestra and Soloists. Pochade (Mambour). The Merry Peasant (Schumann). Novelette (Schumann). Selection, "Rose Marie" (Friml). Two Songs (Silésu). Nocturne (Borodin). Serenata (Leplus). Waltzes, "Eva" (Lehár). Pavane pour une Infante defunte (Ravel). Song: In a Gondola (Bixio). Mendelssohn Potpourri (Salabert). Maria, Mari (di Capua). Serenade (Greecourt). Oboe: Fantaisie humoristique (Sargues). Song (Bixio). Selection, "Les Saltimbanques" (Ganne). Extrême-Orient (de la Prele). Croquis chinois (Leemans). Songs. The Fiddler's Song (Fétras). Selection, "Kosiki" (Lecocq).

PRAGUE, 5.0—Orchestra. 5.30—Travel Talk: Albania. 5.45—Records. 5.50—See Brno.

RADIO-NORMANDIE, 5.0—Variety. 5.30—Music. 5.45—Pianoforte.

REYKJAVIK, 5.0—Reading. 5.30—Music.

ROME, 5.0—Vocal and Instrumental Concert.

SOTTENS, 5.0-5.30—Mark Weber's Orchestra.

STOCKHOLM, 5.0—Weather. 5.5—Records.

STRASBOURG, 5.0—Records. 5.30—See Paris (PTT).

STUTTGART, 5.0—See 4.0 Munich.

TURIN, 5.0—Dance Music.

VIENNA, 5.5—Records: Classical and Modern Operetta Music.

WARSAW, 5.0—Mandoline Band. Conductor: Snieckowski. Hertz (Raconteur). Polish March (Helmberger). Volksliedchen und Märchen (Komzak). Hertz in his Repertoire. Peruvian Serenade (Lacôme). Waltz (Rozycki). Hertz in his Repertoire. Mazurka (Namyslowski). 5.35—Recitations. 5.50—Talk: Culture in Everyday Life.

6 p.m.

BERLIN, 6.0—"Blossom-time"—Sequence (Seitz-Carell-Duvigneau), with Music by Knauer. The Small Station Orchestra and Soloists.

Conductor: The Composer. 6.45—Report of the 25 Kilometre Race through Berlin.

BEROMÜNSTER, 6.0—Italian Opera Music (contd. from 5.50). 6.15—Talk in English: New Impressions of England. 6.40—Dorothee Pichler (Violin) and Heinrich Albert (Guitar).

BRATISLAVA, 6.0—Hungarian Transmission (contd. from 5.55). 6.40-6.50—Records.



La Dent Blanche, an ascent of which is to be described in the Munich programme at 3.40 p.m.

BRESLAU, 6.0—Reports from Janowitz and Kupferberg. 6.25—Pictures from an Exhibition (Mussorgsky), to text of Gath. Conductor: Freudenberg, with Hanna Ehrhard, Ernst Kiefer, and Willy Koch.

BRNO, 6.0—German Transmission (contd. from 5.50).

BRUSSELS (No. 1), 6.0—Light Music by the Radio Orchestra. Conductor: Douliex.

BRUSSELS (No. 2), 6.0—Orchestra. Conductor: Walpot. Segers (Accordion). Overture, "Norma" (Bellini). Piece (Robrecht). Vision d'Orient (Florendas). Selection, "The Little Dutch Girl" (Kálmán). Dolce menuetto (Drda). Accordion: Czarka-Czardas (Dormoy). European Ballet (Leuschner).

BUCHAREST, 6.0—News. 6.15—Dinico Orchestra.

BUDAPEST (No. 1), 6.0—Talk. 6.15—Losoncz-Schweitzer Chamber Orchestra.

BUDAPEST (No. 2), 6.0—Irene Eyssen (Songs). 6.40—Reading.

COLOGNE, 6.0—Report from Crayenberg Racecourse, Düsseldorf: The Jubilee Cup. 6.10—The Cologne Gossip Hour.

DEUTSCHLANDSENDER, 6.0—Sports Report. 6.20—Wind Band from the B.B.C. London (Records).

FRANKFURT, 6.0—"From Mercenary to Soldier"—a Sequence. 6.30—Dance Music by Franz Hauck's Band with Song Interludes by Margrit Ziegler and Kurt Söhnling.

HAMBURG, 6.0—"Köm un Klöhn"—Humorous Sequence in Dialect (Büsing). 6.35—Report from the Grasbrook Gas Works.

HILVERSUM, 6.0—Orchestra (contd. from 5.40). In the Interval at 6.10: Football Notes. 6.35—Sports Notes. 6.40—Book Review.

HUIZEN, 6.5—Service from St. Jacob's Church, Flushing.

KALUNDBORG, 6.0—Service (contd. from 5.0). 6.20—Talk: Nursing. 6.50—Weather.

KÖNIGSBERG, 6.0—Paul Eipper

tells Stories about Cats and Dogs. 6.25—Local News. 6.35—Max von Wistinghausen (Baritone) and Ernst Rudolph (Pianoforte). Three Russian Songs. Romance in B (Schumann). Italian Folk Songs (de Curtis): (a) Torna a Surriento, (b) Conta per me. Italian Folk Song, Ai Mari (di Capua). Mazurka in C sharp minor (Chopin). Waltz in C sharp minor (Chopin). Serenade, "Casanova" (Strauss). Aria, "The Dubarry" (Millöcker).

PRAGUE, 6.0—See 5.50—Brno. 6.50—News (German). 6.55—Records.

RADIO-NORMANDIE, 6.0—Records. 6.30—Concert.

ROME, 6.0—Concert (contd. from 5.0). 6.15—Weather.

SOTTENS, 6.0—Jazz Records. 6.15—A Play. 6.45—Country Dance Records.

STOCKHOLM, 6.0—Methodist Service.

STRASBOURG, 6.0—Medical Talk (German). 6.15—Sports. 6.30—Orchestra. Conductor: De Villers. Pogoda (Pianoforte).

STUTTGART, 6.0—"Albtdorf im Frühling"—Report from the Swabian Alb. 6.30—Juan Manón (Violin) and Hubert Giesen (Pianoforte). First Movement from the Sonata in B flat (Mozart). Ballet Music (Gluck-Manén). The Cuckoo (Daquin-Manén). Chaconne (Manén). Arietta espagnole (Laferna-Manén).

TOULOUSE (Radio-Toulouse), 6.0—News. 6.15—Accordion. 6.30—Chansonnettes. 6.45—Opera music.

TURIN, 6.0—Dance Music. 6.15—Weather. 6.20—Sports Notes.

VIENNA, 6.0—Records (contd. from 5.5). 6.25—Talk: Vanished Places. 6.50—Time; Programme Announcements; Sports Notes.

WARSAW, 6.0—Chamber Orchestra. Conductor: Katz. Overture, "The Merry Wives of Windsor" (Nicolai). Impressions d'automne (Waldeufel). Prayer and Dance "Olaf Trygvason" (Grieg). Liebesrausch (Siede). In the Monastery (Borodin). Anatolian Dance (Weninger). Hungarian Dance (Brahms) 6.45—Talk: Education and Military Service.

7 p.m.

BARCELONA, 7.0—Station Orchestra. 7.30—Pilar Arcos (Cuban Songs).

BERLIN, 7.0—"The May Queen"—Pastorale (Gluck). Station Orchestra and Choir. Conductor: Weigel. 7.45—Sports Report. 7.55—See Warsaw.

BEROMÜNSTER, 7.0—Sports. 7.5—Records. 7.20—Talk: Art and Personality. 7.50—Folk Songs and Marches.

BRESLAU, 7.0—Mussorgsky (contd. from 6.25). 7.30—Sports Report.

BRUSSELS (No. 1), 7.0—Religious Address. 7.15—Records. Air, "Armida" (Gluck). Selection, "The Mastersingers" (Wagner). 7.30—Music Review; Educational Notes.

BRUSSELS (No. 2), 7.0—Roman Catholic Address. 7.15—Records: Czech Music. Funeral March, "Raduz and Mahulena" (Suk). Good Friday Song (Nebuska). 7.30—Music Review by Jef Van Durme.

BUCHAREST, 7.0—Talk. 7.20—Records. 7.45—Talk.

BUDAPEST (No. 1), 7.0—Losoncz-Schweitzer Chamber Orchestra. 7.25—Talk: Boccaccio. 7.55—See Warsaw.

BUDAPEST (No. 2), 7.0—Reading. 7.20—Baranyi (Pianoforte).

COLOGNE, 7.0—A Visit to Beethoven's House at Bonn. 7.35—Report: Close of the Cologne Stadtwald Races. 7.50—Sports Report.

DEUTSCHLANDSENDER, 7.0—Wind Band from the B.B.C. London (Records). 7.25—May Songs. Station Chamber Choir. Conductor: Görner. Hans Hartwig (Baritone). Folk Song. Im Frühling zu singen (Hinze-Reinhold). Two Songs (Brahms): (a) Ruh'n sie? ruft das Horn des Wächters, (b) Leise Töne der Brust geweckt vom Odem der Liebe. Baritone: (a) Im wunderschönen Monat Mai (Schumann), (b) Die linden Lüfte sing erwacht (Schubert). Süßer Mai (Brahms). Berherzigung (Brahms). 7.50—Sports Notes.

FRANKFURT, 7.0—Dance Music (contd. from 6.30). 7.20—"Evening in the Village Street"—A Sequence. 7.50—Sports Report.

8.0 P.M. HAMBURG

MIRTH and JEST

"The Merry Wives" introduce their good-humoured opera colleagues. Erna Kroll-Lange—Gertrud Schnitzer—Helene Guhl—Otto Stadelmaier—Hans Martin-Hansen—Bernhard Jakschat—Herbert Taubert—The Wireless Choir and Symphony Orchestra, Conductor: Erich Seidler

HAMBURG, 7.5—Concerto Grosso in C (Handel), by Bernhard Hamann (Oboe), Helmut Vogt (Violin), Rudolf Kupfer (Cello), Gerhard Gregor (Harpischord) and the Station Orchestra. Conductor: Maasz. 7.30—Sports Talk. 7.45—Sports Report. 7.55—Weather.

HILVERSUM, 7.0—Book Review. 7.10—Talk. 7.25—Service from Grouw.

HUIZEN, 7.0—Service (contd. from 6.5). 7.35—Cate (Organ). Prelude in D (Albrechtsberger). Variations on "Ach wie nichtig, ach wie flüchtig" (Böhm). Fugue in B minor (Schubert-Cate). Preludes (Reger): (a) Vater unser im Himmelreich, (b) Wachet auf, ruft uns die Stimme. Morgenrot (Wittmer). Zyn Naam moet ewig eer obtvängen (de Wolf). Allegro con brio (Maily).

JUAN-LES-PINS (Radio Côte d'Azur), 7.15—Station Orchestra. 7.30—Roman Catholic Service.

KALUNDBORG, 7.0—News. 7.30—Talk: From Markus Thrane to Johan Nygaardsvold.

KÖNIGSBERG, 7.0—Baritone and Pianoforte (contd. from 6.35). 7.20—Reading in Dialect (Frieda Jung). 7.45—Report of the Football Match York-Insterburg v. the Hertha Football Club, at Königsberg.

LAHTI, 7.0—Burkath (Pianoforte). 7.40—Talk. 7.55—See Warsaw.

LEIPZIG, 7.0—Literary and Musical Programme (contd. from 6.20). 7.30—See Breslau. 7.55—See Warsaw.

MONTE CENERI, 7.0—Talk. 7.15—Song Records. Aria, "Mignon" (Thomas). Aria, "Orpheus and Eurydice" (Gluck). Nina (Pergolesi). Air, "L'Arlesienne" (Cilea). Ich liebe Dich (Grieg). Mu-mu (de Angelis). Valse triste (Dax-Grammantieri). Swiss-American Song. Nostalgico (Mascheroni-Mari). 7.45—News. 7.55—Sports Notes.

MOSCOW (No. 1), 7.0—Opera (contd. from 5.30).

MUNICH, 7.0—"Der West-Ostliche Diwan" (Goethe) (contd. from 6.45). 7.25—Sports Notes. 7.45—"May"—Musical Radio Calendar for Town and Country (Lutz). Station Choir, Children's Choir and Soloists. Conductor: Kiermayer.

OSLO, 7.0—Pianoforte and Violin (contd. from 6.30). 7.10—Announcements. 7.30—Talk.

PARIS (Eiffel Tower), 7.0—Topical Review. 7.15—Weather. 7.25—Racing Results. 7.30—Topical Programme. 7.45—"An Evening at the Tuileries"—Play in One Act (Jeanne and Varenne).

PARIS (Poste Parisien), 7.0—News. 7.10—Sports. 7.20—Dumont (Saxophone), on Records. 7.30—Amusement Guide. 7.33—"Flowers"—Records. 7.50—Thille and Yvonne Curti Records.

PARIS (PTT), 7.0—News; Review. 7.40—Announcements. 7.45—French Songs by Yvette Guilbert.

PARIS (Radio-Paris), 7.0—Radio-Paris Circus, with Bilboquet. 7.25—Weather. 7.30—Variety.

PRAGUE, 7.0—News. 7.5—Vitava (Smetana) by the Station Orchestra.

RADIO-NORMANDIE, 7.0—Request Music.

ROME, 7.30—Sports Notes; Announcements.

SOTTENS, 7.0—Protestant Address. 7.30—Cossart and Koella (Two Pianofortes). Andante and Variations (Schumann). Introduction and Waltz from Suite No. 2 (Rachmaninov).

STOCKHOLM, 7.0—Service (contd. from 6.0). 7.15—News. 7.30—Talk. 7.55—See Warsaw.

STRASBOURG, 7.0—Orchestra (contd. from 6.30). 7.30—News. 7.45—Records.

STUTTGART, 7.0—"Love in Swabia"—Folk Song Sequence (Stockinger). Station Choir and Orchestra. Conductor: Schröder. 7.45—Sports Report.

TOULOUSE (Radio-Toulouse), 7.0—News. 7.20—Operetta Music. 7.30—News. 7.45—Hunting-Horns. 7.50—Talk.

TURIN, 7.15—Sports Results; Records. 7.50—Announcements; Records.

VIENNA, 7.0—Programme Notes. 7.5—Hildegard Wals and Franz Tumler read. Introduction by Karl Skaral. 7.35—Records: Carinthian Songs. 7.55—See Warsaw.

WARSAW, 7.0—Announcements; Sports; Records. 7.35—Travel Impressions. 7.55—"Cottage and Road House"—Sequence of Words and Folk Music.

SUNDAY May 5

8 p.m.

ATHLONE, 8.30—Band.
BARCELONA, 8.0—Kielbey Concert. Station Orchestra. The Clock and the Dresden Figures. Algerian Scene. The Sanctuary of the Heart. Bells across the Meadow. 8.30—Carmen Gombau (Soprano).
BERLIN, 8.0—See 7.55 Warsaw.
BEROMÜNSTER, 8.0—Folk Songs and Marches.
BORDEAUX-LAFAYETTE, 8.0—For Soldiers. 8.15—Records. 8.30—"La guitare et le jazz-band"—Comedy in Four Acts (Duvernois-Ducommuné).
BRESLAU, 8.0—Orchestral and Vocal Concert. 8.30—See Leipzig.
BRUSSELS (No. 1), 8.0—"Vienna and the Waltz." Conductor: Doulez; Overture, "Prince Mithuselem" (Strauss). Selection, "The Merry Widow" (Lehár). Poika, Pizzicato (Strauss). Selection, "Die geschiedene Frau" (Fall). Perpetuum mobile (Strauss). Selection, "Friderica" (Lehár). 8.40—Records.



E.N.A.

M. Gendre, drum-major of the Garde Républicaine Band, which plays a Napoleon anniversary programme from Radio-Paris at 9.0 p.m.

BRUSSELS (No. 2), 8.0—Symphony Orchestra from the Exhibition. Conductor: André Marguërite Thijs (Songs): Stoefs (Flute). Selection, "Háry János" (Kodály). Songs: (a) Aria, "Songe d'une nuit d'hiver" (De Boeck). (b) Doornroosje (Mortelmans). Flute: Fanfalluca (Gilson). Symphonic Prelude (Sporck). Gli uccelli (Respighi).

BUCHAREST, 8.0—Dramatic Programme.
BUDAPEST (No. 1), 8.0—See 7.55 Warsaw. 8.35—Concert. Tilde Récz (Songs). Sándor Végh (Violin). Jenő Kerpely (Cello). István Bertha (Celesta). Miklós Frits. Béla Náday. Zúrd Odry and Frau Varga (Guitars).
BUDAPEST (No. 2), 8.5—Talk. 8.40—News.

COLOGNE, 8.0—Wagner.
DEUTSCHLANDSENDER, 8.0—"Music and Love"—Singspiel (Fischer and Müller), with Music by Müller. Station Orchestra. Conductor: The Composer.

FRANKFURT, 8.0—Strauss, Suppé, Lehár and Künneke Operetta Music. The Station Orchestra. Conductor: Merten. Else Kochhann (Soprano), Margrit Ziegler (Soubrette), Fritz Zehrer (Tenor), and Kurt Söhnig.

HAMBURG, 8.0—Humorous Opera Music.

HILVERSUM, 8.0—Service (contd. from 7.25). 8.40—Time—News. 8.55—"Spring"—Variety. May Melodies by Pierre Palla (Organ). "Summertime"—Sketch. Spring Song Records. Sketch. Records of Famous Orchestras. Sketches: (a) "The Honey-moon." (b) "A Tourist Agency's Troubles." Nightingales sing! A Spring Radio-Journal.

HUIZEN, 8.0—Cate (Organ) (contd. from 7.35). 8.25—Football Notes. 8.30—Record. 8.35—News. 8.40—Service from St. John's Cathedral, Bois-le-Duc.

JUAN-LES-PINS (Radio Côte d'Azur), 8.0—News. 8.15—Saint-Saëns Programme by the Station Orchestra. Danse Macabre. Selection, "La Princesse Jaune." 8.30—Sketch with Songs.

KALUNDBORG, 8.0—Chimes. 8.1—"The Hansen Family"—Sketch (Locher). 8.15—South Jutland Song Festival from Sønderborg, Aabenraa and Sønderborg Choirs. Conductor: Ottosen. String Ensemble. Greetings. Fantasia on Danish Patriotic Melodies (Lanzky). Danish Folk Songs (arr. Laub): (a) Ravenen. (b) Svend Vonved. (c) Liden Kirsten. (d) Ramund. Danish Melodies (arr. Larsen). Talk: The Danish Song in South Jutland. South Jutland Songs: (a) Slumrer sødt i slesvigs Jord (Hartmann). (b) Paaskeklokken kimer midt. (c) Hvornaer vi bliv glaj (Barnekow). (d) Det haver saa nyligen regnet. (e) Gof Avten, I Dreng (Zahn). Genforeningsang (Aagaard). Sønderjylland (Christensen). Hvis Danmarks kommende Dage (Hoeberg). Som en rejseysten Flaade (Nielsen). Der er et ynligt Land (Krøyer).

KÖNIGSBERG, 8.0—See Hamburg.

LAHTI, 8.0—See 7.55 Warsaw. 8.30—To be announced. 8.45—News.

LEIPZIG, 8.0—See 7.55 Warsaw. 8.30—Philharmonic Orchestra. Conductor: Hilmar Weber. Elisabeth Grunewald (Soprano), Thorild Noval (Tenor) and Carl Kamann (Baritone). Part I. Mozart. Overture and Aria, "Cosi fan tutte." March of the Priests and Aria, "The Magic Flute." Overture and Aria, "Figaro." Part II. Italian Opera Music. Ballet Music, "William Tell" (Rossini). Aria, "Tosca" (Puccini). Intermezzo, "Manon Lescaut" (Puccini). Ballet, "Rigoletto" (Verdi). Duet, "Il Trovatore" (Verdi). Part III. Wagner. Entry of the Guests into the Wartburg and Aria, "Tannhäuser." The Ride of the Valkyrie and Aria, "The Valkyrie." Dance of the Apprentices and Aria, "The Mastersingers."

MADRID (EAJ7), 8.0—Dance Music.

MONTE CENERI, 8.0—Humorous Competition. 8.30—Slav Music. Miscia Ignatiev (Balalaika) and Nino Herschel (Piano). Conductor: Leopoldo Casella. Overture, "A Life for the Czar" (Glinka). Balalaika: Mazurka (Wieniawski). Record: The Twelve Robbers (Jaroff). Pianoforte Solo (Rubinstein). Record: On the Road to Petrograd. Balalaika: Romance in E Minor (Pogorelov). Balalaika: Variations on a Russian Song (Schumakov). Legend No. 4 (Dvořák). Record: Singing for Thee (Rachmaninov). Pianoforte Solo (Rubinstein). Balalaika: Waltz (Pogorelov). Record: Night of Love (Bortniansky). Balalaika: Hindu Song (Rimsky-Korsakov). Balalaika: Waltz (Chopin-Ignatiev). Furiant (Dvořák).

MORAVSKÁ-OSTRAVA, 8.35—Station Orchestra. Conductor: Plichta. Selection, "Eva" (Lehár). Polichinelle (Provačnik). Waltz, Künstlerleben (Strauss). Intermezzo (Demaret). March (Fučík).



In Carinthia, the 600th anniversary of whose union with Austria is celebrated to-day (Vienna, 2.0 p.m.)

E.N.A.

MOSCOW (No. 1), 8.0—Opera (contd. from 5.30).

MÜNICH, 8.0—"May" (contd. from 7.45). 8.45—Topical Report.

OSLO, 8.0—Station Orchestra. Conductor: Kramm. 8.40—Erling Krogh (Songs). Homecoming (Grieg). The Violet (Svendsen). Far have I roamed in the World (Sinding). April (Ulfrstad). Summer

Night (Reidarson). Sei gegrüsset meine Sonne (Lembcke). Song, "Martha" (Flotow).

PARIS (Eiffel Tower), 8.0—Play (contd. from 7.45). 8.15—Napoleon Anniversary Sequence (Berthe d'Yd and Paul Castan). Nursery Rhymes (Canal) to Words of Lucie-Paul Marguerite; by Adrienne Gailton and Jean Sorbier. The Composer at the Pianoforte. 8.45—Dance Records.

PARIS (Poste Parisien), 8.0—Interlude. 8.15—André Rivoire Anniversary Programme, with Intro-

BRESLAU, 9.0—See 8.30 Leipzig. **BRNO, 9.15**—Reading. 9.30—Kriszkovsky Choral Music.

BRUSSELS (No. 1), 9.0—Concert from the Exhibition. Conductor: Franz André. Marguerite Thijs (Songs). Prelude for Violins (Bach). Russian Fanfares. Excerpts, Symphonie pathétique (Tchaikovsky). Songs: (a) Mystère (De Boeck). (b) Nocturne (César Franck). (c) Rondo (Lekeu). Escapes (Ibert).

BRUSSELS (No. 2), 9.0—"The First Belgian Train"—Play (de Gheleroode).

8.0 P.M. COLOGNE

WAGNER

Station Symphony Orchestra. Conductor—Dr. Buschkötter
 Singers—Anni Konetzni (soprano), Torsten Ralf (tenor)

duction by Léon Neel. 8.45—Interlude.
PARIS (PTT), 8.0—Mme. Yvette Guilbert (French Songs). 8.15—Sports. 8.30—Plays: "La femme de Tabarin" (Mendès); "Les Espagnols en Danemark" (Mérimée); "La mort du duc d'Enghien" (Henriquet).

PARIS (Radio-Paris), 8.0—Talk: The Anniversary of Napoleon's Death. 8.20—Reading (Châteaubriand). 8.40—Press Review.

PRAGUE, 8.0—"Vitava" (contd. from 7.5). 8.35—See Moravská-Ostrava.

RADIO-NORMANDIE, 8.0—Request Music (contd. from 7.0). 8.15—News; Sports Results. 8.30—Records.

REYKJAVIK, 8.45—For Children. **ROME, 8.0**—Announcements. 8.30—News; Records.

SOTTENS, 8.0—Talk. 8.15—"Snow-White and Rose-Red"—Fairy Tale with Music (Reinecke). Ladies' Choir, Soloists and Orchestra. Conductor: Moser.

STOCKHOLM, 8.0—See 7.55 Warsaw. 8.30—Reading.

STRASBOURG, 8.0—News (German). 8.30—Alsatian Programme: Sketches; Songs.

STUTTGART, 8.0—Variety from Mannheim. Conductor: Görlich. Adele Kern (Soprano), Ludwig Suthaus (Tenor), Genia Nikolajewna (Songs), Richard Kautz (Humorist) and Werner Fink.

TOULOUSE (Radio-Toulouse), 8.0—Interview with Mlle. Franconay. 8.15—Sound-Film Music. 8.30—Light Music.

TURIN, 8.0—Records. 8.30—News; Talk: Records. 8.45—"Dance of the Dragonflies"—Operetta (Lehár).

VIENNA, 8.0—See 7.55 (Warsaw). 8.30—Spring Potpourri (Riedinger). Vienna Boys Choir, Mixed Choir, Vogelhut's Jazz Band, Station Orchestra. Conductor: Holzer. Maria Gerhart (Soprano). Levko-Antosch (Mezzo-Soprano). Borsor (Tenor). Kunz (Bass).

WARSAW, 8.0—Polish Folk Music (contd. from 7.55). 8.30—Records: Viennese Waltzes. 8.45—News. 8.55—Talk: Work in Poland.

9 p.m.

ATHLONE, 9.0—Play. 9.30—Variety.

BUCHAREST, 9.0—Sports Notes. 9.10—Radio. Orchestra. Hélène Levay (Songs). Arias from "Der Freischütz" (Weber). "Robert le Diable" (Meyerbeer). "Faust" (Gounod). Overture (Rust). Wien bei Nacht (Komzak). Waltz (Kern). Berceuse (Friml). Love Song (Sammartini). Hymn to the Sun (Rimsky-Korsakov). Scherzo (Brunetti).

BUDAPEST (No. 1), 9.0—Concert (contd. from 8.35). 9.40—News.

BUDAPEST (No. 2), 9.0—Sports Notes. 9.10—Eröss Dance Band from the Kiosk Hangli.

COLOGNE, 9.0—Wagner (contd. from 8.0).

DEUTSCHLANDSENDER, 9.0—"Music and Love"—Singspiel (contd. from 8.0).

FRANKFURT, 9.0—"The May Bowl"—a Humoresque (Blume). 9.30—Operetta Music (contd. from 8.0).

HAMBURG, 9.0—Humorous Opera Music (contd. from 8.0).

HILVERSUM, 9.0—Variety (contd. from 8.55).

HUIZEN, 9.0—Service (contd. from 8.40). 9.55—Religious Address.

JUAN-LES-PINS (Radio Côte d'Azur), 9.0—News. 9.15—Request Programme.

KALUNDBORG, 9.0—Song Festival (contd. from 8.15).

KÖNIGSBERG, 9.0—See 8.0 Hamburg.

LEIPZIG, 9.0—Leipzig Symphony Orchestra (contd. from 8.30).

MONTE CENERI, 9.0—Slav Music (contd. from 8.30). In the Interval at 9.15: Dialogue: The Life of a Great Russian Composer.

MORAVSKÁ-OSTRAVA, 9.0—Station Orchestra (contd. from 8.35).

MOSCOW (No. 1), 9.5—German Programme: Workers' Delegates give their Impressions of the Red Capital. 9.55—Kremlin Chimes.

MÜNICH, 9.0—Flute Music. Station Orchestra. Conductor: Winter. Lambros Demetrios Callimahos (Flute). Hungarian Pastoral Fantasia (Doppler). Andante in C (Mozart). Excerpt, "Der Corregidor" (Wolf). Flute Concerto in D (Reinecke). 9.30—Variations on a Mozart Theme (Reger), by the Station Orchestra. Conductor: Winter.

OSLO, 9.0—Songs (contd. from 8.40). 9.10—Station Orchestra. Conductor: Kramm. 9.40—News.

PARIS (Eiffel Tower), 9.0—Concert from the Church of Saint Pierre de Montrouge. Conductor: Helbig. Organ: Sound the Trumpet (Purcell). Choral on Old Hebrew Melodies (arr. Bruch): (a) The Babylonian Captivity. (b) Under the Sky of Judea. (c) Caravan on the Banks of the Jordan. Organ Choral in Sonata Form (Bach). Air for Baritone and Choir (Haydn). Choral for Choir and Organ, Praise ye the Lord (Liszt). Te Deum for Organ (Langlois).

PARIS (Poste Parisien), 9.0—Music Hall.

PARIS (Radio-Paris), 9.0—"The Anniversary of Napoleon's Death." Garde Républicaine Band. Conductor: Dupont. Dupré (Songs). Marche du sacre (Lesueur). Songs of the Imperial Guards. Marche lugubre (Gossec). Songs of the First Empire: (a) Chanson de l'oinon. (b) Te souviens-tu? (c) Veillons au salut de l'Empire. March of the Consular Guard at Marengo. March, Le volteux (Péris). Funeral March (Beethoven). Songs: (a) The Two Grenadiers

(Schumann). (b) The Marseillaise (de Lisle). Bugle Calls of the Imperial Guard. Chant funéraire pour le centenaire de Napoléon (Fauré). March. In the Interval: News.

PRAGUE, 9.0—See 8.35 Moravská-Ostrava. 9.15—Reading. 9.30—See Brno.

RADIO-NORMANDIE, 9.0—Records.

REYKJAVIK, 9.0—For Children. 9.20—Music. 9.50—Announcements.

ROME, 9.0—"Moses in Egypt"—Opera (Rossini), from the Teatro Communale, Florence. Conductor: Gul. Film Notes and Theatre Talk in the Intervals.

SOTTENS, 9.0—"Snow-White and Rose-Red" (Reinecke) (contd. from 8.15). 9.15—News. 9.25—Sports Notes. 9.35—Male Voice Choir. Record: Overture, "Masaniello" (Auber). Choir: (a) Prière avant la bataille (Barblan). (b) In der Kirschblüt (Barblan). Record: Harlequin (Evans). Choir: (a) Frühlingsnacht (Meister). (b) Sonntags am Rhein (Schumann). Records: (a) To a Wild Rose (MacDowell). (b) Autumn (MacDowell). Choir: (a) Lacrimae Christi (Wilhi). (b) Schwanmaire (Wiener). Record: Gallop (Komzak).

STOCKHOLM, 9.0—"The Döttingen Te Deum" (Handel), from the Engelbrekkyrka. Radio Orchestra: Stockholm Music Society and Sigurd Björling. Conductor: Aahlen. 9.45—News.

STRASBOURG, 9.0—Alsatian Programme (contd. from 8.30).

STUTTGART, 9.0—Variety (contd. from 8.0).

TOULOUSE (Radio-Toulouse), 9.0—Concert Version, "La Traviata"—Opera (Verdi). 9.40—Military Band. 9.45—"En Bordée"—Fantasy.

TURIN, 9.0—Operetta (Lehár) (contd. from 8.45).

VIENNA, 9.0—Spring Potpourri (Riedinger) (contd. from 8.30).

WARSAW, 9.0—Satie and Humour. 9.30—Reading. 9.45—Sports.

10 p.m.

ATHLONE, 10.0—Variety. 10.30—Sports Talk by Sean O'Ceallachain. 10.40—Ceilidhe Music from the Mansion House, Dublin.

BARCELONA, 10.0—Chimes; Records. In the Interval at 10.30: Art Notes.

BERLIN, 10.0—News; Sports Notes. 10.30—See Cologne.

BEROMÜNSTER, 10.0—Dance Music. 10.15—Sports Report.

BORDEAUX-LAFAYETTE, 10.0—"La guitare et le jazz-band"—Comedy (contd. from 8.30). Amusement Guide.

9.0 P.M. RADIO-PARIS

Concert on the Anniversary of

Napoleon's Death

by the Republican Guards Band, Conductor, Pierre Dupont. Songs by M. Dupré of the Opéra-Comique.

BRATISLAVA, 10.20—News; Sports Notes and Announcements in Hungarian. 10.35—Slovak Folk Songs by Bitto and his Cigány Band from the Astoria Café.

BRESLAU, 10.0—News; Sports Notes. 10.30—"Glückauf" Dance Band from Strehlitz. Conductor: Glielnik.

BRUSSELS (No. 1), 10.0—News. 10.10—Concert from the Exhibition.

BRUSSELS (No. 2), 10.0—News. 10.10—Concert from the Exhibition.

BUCHAREST, 10.0—News. 10.25—Orchestra (contd. from 9.10).

BUDAPEST (No. 1), 10.0—News. 10.10—Report: The Hungarian Fencing Championship. 10.45—Jancsi Rigó Cigány Band.

COLOGNE, 10.0—News. 10.30—Report of the Welter-Weight Boxing Championship Eder v. Blahó, from Dortmund. 10.50—"May Night in Aix-la-Chapelle"—The Aix-la-Chapelle Orchestra. Conductor: Jessnitz. The "Three Merry Fellows" with their Magic Lantern.

DEUTSCHLANDSENDER, 10.0—News; Sports Notes. 10.30—See Cologne. 10.45—Weather.

10 p.m. (contd.)

FRANKFURT, 10.0—News. 10.15—Local News; Sports Report. 10.30—See Cologne. 10.45—Dance Music.

HAMBURG, 10.0—News. 10.30—See Cologne. 10.45—Dance Music.

HILVERSUM, 10.0—Variety (contd. from 8.55). 10.55—Dance Music. AVRO Decibels. Conductor: Meenk.

HUIZEN, 10.0—Address (contd. from 9.55). 10.15—Thomas More Memorial Concert. The K.R.O. Orchestra; Conductor: van 't Woud. Selection, "Abdelazer" (Purcell). Chaconne, "The Gordian Knot Untied" (Purcell). Excerpts, Concerto grosso No. 1 (Handel-Seiffert). In the Interval at 10.40: Talk on Thomas More.

JUAN-LES-PINS, (Radio Côte d'Azur), 10.0—Request Programme. 10.30—Orchestra.

KALUNDBORG, 10.0—Song Festival (contd. from 8.15). 10.15—News. 10.25—Russian Music. Balalaika Quintet and Hilmar Biehe (Songs). Russian Folk Song Potpourri. Romance (Bebe). Mazurka (Schenk). Songs: (a) Russian Soldier Song, (b) Pojalei (Bachaleinikov), (c) Gipsy Song, Ras-pachol, (d) Folk Song (Travin), (e) Hej-da, Troika (Steinberg). Waltz (Andreiev). Melody (Prisovskiy). Russian Folk Dance Potpourri.

KÖNIGSBERG, 10.0—News; Sports Report. 10.20—Sports Talk. 10.30—Dance Music.

LEIPZIG, 10.0—News; Sports Notes. 10.30—See Cologne.

MADRID (EAJ7), 10.0—Station Sextet.

MONTE CENERI, 10.0—Sports.

MOSCOW (No. 1), 10.5—English Programme: (a) Weekly Review, (b) Letter-Box.

MUNICH, 10.0—News; Sports Notes. 10.30—Station Dance Band. Conductor: Aulich.

OSLO, 10.0—Topicalities. 10.15—Sports. 10.30—Dance Records.

PARIS (Eiffel Tower), 10.0—Church Concert (contd. from 9.0).

PARIS (Poste Parisien), 10.0—Music Hall. 10.30—Light Music (Records).

PARIS (PTT), 10.0—Pascal Dance Orchestra; News.

PARIS (Radio-Paris), 10.0—"The Anniversary of Napoleon's Death"—Band Concert (contd. from 9.0). 10.30—Weather. 10.35—Dance Music.

PRAGUE, 10.0—News; Sports Notes. 10.20—Record. 10.25—News and Sports Notes in German. 10.30—Dance Music by the Vinohrady Jazz Band. Conductor: Herman.

RADIO-NORMANDIE, 10.0—Records.

REYKJAVIK, 10.0—News. 10.30—Reading.

—"En Bordée"—Fantasy (contd. from 9.45). 10.20—Operetta Music. 10.30—News. 10.45—Songs.

TURIN, 10.0—Operetta (Lehár) (contd. from 8.45).

VIENNA, 10.0—News; Sports Notes. 10.25—Emil Thiel's Jazz Band. Roland Hlawac (Refrains).

WARSAW, 10.0—Announcements. 10.15—Rogowski conducts his own Music. Station Symphony Orchestra. Nina Grudzinska (Songs). Villafranca. Phantasm.

FRANKFURT, 11.0—See Deutschlandsender.

HAMBURG, 11.0—See Deutschlandsender.

HILVERSUM, 11.0—Dance Music (contd. from 10.55). 11.40—News. 11.50—A.V.R.O. Orchestra. Conductor: Treep. March, The Knights of the King (Ketelbey). Waltz, Ange d'amour (Waldteufel). Offenbachiana (Conradi). Ronde de Bashi-Bazouks (Gabriel-Marie). March (Ralf). 'Cello: Berceuse de Jocelyn (Godard). Waltz, Badner Madln (Komzak).

HUIZEN, 11.5—Talk: Thomas More. 11.15—News. 11.20—Epilogue by the Small Choir. Conductor: Pickkers. 11.40—Address in Esperanto.

JUAN-LES-PINS (Radio Côte d'Azur), 11.0—Light Music.

KALUNDBORG, 11.5—Dance Music.

KÖNIGSBERG, 11.0—See Deutschlandsender.

LEIPZIG, 11.0—See Deutschlandsender.

MADRID (EAJ7), 11.0—Chimes; Flamenco Songs with Guitar Accompaniment; Interludes by Ramón Gómez de la Serna.

MOSCOW (No. 1), 11.5—German Programme: (a) Press Review, (b) Talk: The Bolshevik Press, Past and Present.

MUNICH, 11.0—Station Dance Band. Conductor: Aulich.

OSLO, 11.0-11.30—Dance Records.

PARIS (Poste Parisien), 11.0—Light Music (Records).

PARIS (PTT), 11.0—Pascal Dance Orchestra.

PARIS (Radio-Paris), 11.0—Dance Music.

RADIO-NORMANDIE, 11.0—Songs. 11.15—Records. 11.30—Concert.

REYKJAVIK, 11.0—Play; Pftzner Music; Dance Music.

ROME, 11.0—News.

STRASBOURG, 11.0—Dance Music (contd. from 10.40).

STUTTART, 11.0—See Deutschlandsender.

SUNDAY May 5

TOULOUSE (Radio-Toulouse), 11.0—Cinema Organ. 11.15—Opera Arias. 11.40—Viennese Orchestra. 11.45—Humorous Sketches.

TURIN, 11.0—News.

VIENNA, 11.0—Jazz Band (contd. from 10.25). 11.35—Announcements. 11.50—Viennese Music by the Hans Faltl Quartet.

WARSAW, 11.5—Station Dance Band. Conductor: Gorzynski.

12 midnight

BERLIN, 12.0—See Deutschlandsender.

BRESLAU, 12.0—"Glückauf" Dance Band from Strehlitz. Conductor: Gielnik.

BUDAPEST (No. 1), 12.5—News. DEUTSCHLANDSENDER, 12.0—Lutter Dance Band.

FRANKFURT, 12.0—See Stuttgart.

HILVERSUM, 12.0—Orchestra (contd. from 11.50). 12.40—Time.

HUIZEN, 12.0-12.10—Address (contd. from 11.40).

JUAN-LES-PINS (Radio Côte d'Azur), 12.0—Dance Music.

KALUNDBORG, 12.0-12.30—Dance Music.

MADRID (EAJ7), 12.0—Jotas, to Guitar Accompaniment. 12.15—Dance Music.

RADIO-NORMANDIE, 12.0—Dance Music.

REYKJAVIK, 12.0—Pftzner Music; Dance Music.

STUTTART, 12.0—Serenade.

TOULOUSE (Radio-Toulouse), 12.0—"Au Caveau de Minuit"—Fantasy. 12.15—News; Band.

VIENNA, 12.0—Viennese Music (contd. from 11.50).

1 a.m. (Monday)

FRANKFURT, 1.0—See 12.0 Stuttgart.

RADIO-NORMANDIE, 1.0—News. 1.10—Dance Music.

REYKJAVIK, 1.0—Dance Music.

STUTTART, 1.0—Serenade (contd. from 12.0).

11 p.m.

ATHLONE, 11.0—News.

BARCELONA, 11.0—Demon Jazz Band.

12.0 (M.T.) STUTTART

CHOIR ★ ORCHESTRA

Conductor—Willy Steffen Pianist—Otto Sonnen

Serenade for Winds Richard Strauss

Six Madrigals (Th. Storm texts) Otto Sonnen

"Triumph des Lebens" Peterka

Concerto No. 3 }
Symphony No. 2 } Beethoven

ROME, 10.0—"Moses in Egypt" (Rossini) (contd. from 9.0).

SOTTENS, 10.0—Choir (contd. from 9.35).

STOCKHOLM, 10.0—Radio Orchestra. Conductor: Hellman. Prelude, Choral and Fugue (Bach-Abert). Selection, "Mäster Olof" (Aulin). Two Elegiac Melodies (Grieg). Karelia Suite (Sibelius). Nocturne (César Franck). Overture, "Ruy Blas" (Mendelssohn).

STRASBOURG, 10.0—Alsatian Programme (contd. from 8.30). 10.30—News. 10.40—Dance Music.

STUTTART, 10.0—News; Sports Report. 10.30—Dance Music.

TOULOUSE (Radio-Toulouse), 10.0

BERLIN, 11.0—See Deutschlandsender.

BRESLAU, 11.0—"Glückauf" Dance Band from Strehlitz. Conductor: Gielnik.

BRUSSELS (No. 1), 11.0—Concert from the Exhibition.

BRUSSELS (No. 2), 11.0—Concert from the Exhibition.

BUDAPEST (No. 1), 11.0—Jancsi Rigo Cigány Band. 11.25—Dance Music.

COLOGNE, 11.0—"May Night in Aix-la-Chapelle" (contd. from 10.50).

DEUTSCHLANDSENDER, 11.0—Lutter Dance Band.

THIS 120 VOLT BATTERY

.. was an inexpensive luxury at 11/-



Now **7/6**

OTHER "CADET" PRICES

60 VOLTS 3/9

99 VOLTS 6/3

108 VOLTS 6/9

BRITISH MADE
THESE PRICES DO NOT
APPLY IN THE I.F.S.

Choose a **SIEMENS**
FULL O'POWER
WHEN REPLACING YOUR H.T. BATTERY

MONDAY May 6

PRINCIPAL EVENTS

SYMPHONY CONCERTS

P.M.
8.10 Leipzig: "Semele" (Handel).
8.45 Hilversum: Beethoven.
8.55 Huizen: Arnheim Orchestra.
9.10 Berlin: Symphony (Bizet).
9.10 Beromünster: Handel, J. C. Bach, Brahms.

LIGHT CONCERTS

3.30 Kalundborg: Radio Orchestra.
3.45 Warsaw: "Prometheus" ballet (Beethoven).
4.0 Deutschlandsender: Variety.
6.45 Strasbourg: Orchestra.
7.50 Sottens: Light classics.
8.0 Brussels 2: Symphony orchestra, songs.
8.0 Warsaw: "The Madonna's Roses" (Stolz).
8.10 Cologne: Choir and orchestra.
8.10 Vienna: Vocal and instrumental.
8.15 Stuttgart: "May" concert.
8.30 Eiffel Tower: Orchestra, songs, pftc.
9.0 Radio-Normandie: Variety concert.
9.30 Bucharest: Viennese music.
10.0 Kalundborg: Radio orchestra.
10.15 Warsaw: Light orchestral.
10.30 Breslau: Orchestra, baritone arias.
11.0 Hilversum: Light orchestral.

OPERA

8.40 Budapest I: "Faust" (Gounod).

OPERETTAS

8.30 Paris (PTT): "La Hussarde" (Fourdrain).

8.50 Rome: "La città rosa."

CHAMBER MUSIC

5.30 Rome: Mozart.
7.0 Munich: Wind instruments.
8.0 Radio-Paris: Strings, pftc., songs.
8.15 Frankfurt: Trios (Volkmann, Beethoven).
8.30 Strasbourg: French music.

9.0 Warsaw: Old music.
9.15 Deutschlandsender: Quartets (Beethoven, Mozart).
10.30 Berlin: Quartets, pianoforte.
10.30 Munich: Pfitzner programme.
12.0 (m'l.) Frankfurt: Trios, songs.

RECITALS

P.M.
1.5 Warsaw: Tenor songs, pianoforte.
2.40 Hilversum: Organ, soprano songs.
5.35 Vienna: Contralto and baritone arias.
6.10 Huizen: Contralto songs.
8.0 Paris (PTT): Martenot electric music.
8.5 Bucharest: Violin, song.
8.15 Königsberg: Church music.
9.10 Turin: Italian Folk-song.
10.10 Vienna: Eva Hadrabova (songs).

PLAYS

8.10 Hamburg: "Der Hamburger Brand."
10.0 Sottens: "Le numéro 508."

TALKS

7.40 National: The Empire's Tribute.
8.0 National: H.M. the King.
8.10 Deutschlandsender: "Hans Andersen."

LANGUAGE LESSONS

5.45 Budapest: German; 6.15, Kalundborg: English; 6.30, Vienna: English; 7.15, Prague: Russian.

DANCE MUSIC

P.M.
10.35 National, Regional, Radio-Paris; 11.0, Deutschlandsender, Kalundborg; 11.5, Warsaw; 12.0, Radio-Normandie.

MISCELLANEOUS

11.0 National: Thanksgiving Service.
11.0 and at various times: Many European Stations: The Jubilee in London.
8.10 National: Variety.
10.10 Brussels I: Cabaret.

NATIONAL

Time Signals: Big Ben.—10.15 a.m., 5.15 p.m., 6.30 p.m., 12 midnight.
Greenwich.—10.30 a.m., 2.0 p.m., 6.0 p.m., before the Second News (normally 9.30 p.m.), 11.30 p.m.
10.15 a.m.—Daily Service.
10.30—Weather Forecast.
10.45—Records.
11.0—A Thanksgiving Service for the protection afforded to the King's Majesty, relayed from St. Paul's Cathedral, preceded by a description of the arrival of Their Majesties at Temple Bar and the scene outside the Cathedral, and followed by a description of the departure.
12.30 p.m.—Records.
1.0—B.B.C. Midland Orchestra.
2.0—Records.
2.45—The New Georgian Trio. Esmé Marshall (Soprano).
3.45—Geza de Kresz (Violin); Nora Drewett (Pianoforte).
4.15—B.B.C. Orchestra (Section D).
5.15—The Bernard Crook Quintet.
6.0—"The First News."
6.30-9.5—Silver Jubilee. "Twenty-five Years," 1910-1935. A Radio Dramatic Survey. 7.40—"The Empire's Tribute." Messages of devotion and congratulation from the Empire, including H.E. the Viceroy of India, the Acting Prime Ministers of S. Rhodesia, the Commonwealth of Australia, the Dominion of New Zealand and Canada; a member of the Commission of Government of Newfoundland (recorded); H.E. the Governor of Bermuda; The Prime Minister. 8.0—His Majesty the King speaking from Buckingham Palace.
8.10—All-Star Variety, relayed from Brighton. Norman Long; Jane Carr; Elsie and Doris Waters; Nosmo King; Anona Winn; Leonard Henry; Jack Payne with his Orchestra. B.B.C. Variety Orchestra. Compère, Leonard Henry.
9.0—Speech by Rudyard Kipling, LL.D., D.Litt., from the Banquet of the Royal Society of St. George.
9.20—Community Singing.
9.45—Jubilee News from all parts of the country. 10.20—Weather.
10.30—"A Prayer for King and Country." The Poet Laureate reads his Jubilee Poem.
10.35—B.B.C. Dance Orchestra.
11.30-1.0 a.m.—Jack Payne and his Orchestra.

REGIONAL

Time Signals: Big Ben.—10.15 a.m., 5.15 p.m., 6.30 p.m., 12 midnight.
Greenwich.—10.30 a.m., 2.0 p.m., 6.0 p.m., before the Second News (normally 10.0), 11.30 p.m.
10.15 a.m.—12.30 p.m.—Sec National.
12.30 p.m.—Haydn Heard's Band.
March. The Globe Trotters (Leopold). Suite, Sunshine and Shadow Sketches (Tours). When Prince Charming comes along (Coslow). Lady, sing your Gipsy Song (Myers). Tango, The Song of the Rose (Mascheroni). Overture, Masaniello (Auber). The Masquerade of the Bells (Ives). Heiland Laddie (Caruthers). You bring out the savage in me (Coslow). Selection, Sweethearts of Yesterday (arr. Hall).
1.30—Dance Records.
2.0—Arthur Salisbury and Orchestra. Waltz, My Treasure (Becucci). Whispering of the Flowers (Blon). Malola (Wayne). Torna a Sorrento (de Curtis). Selection, A Country Girl (Monckton). Slav Dance No. 6 (Dvořák). Love's Greeting (Elgar). Amina (Lincke). Waltz (Coslow). Selection, The Rose (Myddleton).
3.0—Belfast Wireless Orchestra. Philip Whiteway (Violin). Overture and Gavotte (Mignon) (Thomas). Concerto in E minor (Mendelssohn). Suite, The Maid of Arles (Bizet). A Musical Snuff-box (Liadov). In a Persian Market (Ketelbey). Overture, Light Cavalry (Suppé).
4.0—The Hungaria Gipsy Band.
4.45 (Regional, N. Ireland)—Alice Lilely (Soprano); Arthur Brough (Baritone).
4.45 (Midland)—Emme Northall (Contralto); Harry Porter (Tenor); Marjorie B. Bates (Pianoforte).
4.45 (Northern)—Harry Hopewell (Baritone).
4.45 (Western)—Sally Lewis (Contralto); Norman Vassall (Baritone); Vera Thomas (Pianoforte).
5.15—The Children's Hour.
6.0—"The First News."
6.30-9.45—National Programme.
9.45—"The Second News."
10.30—National Programme.
10.35-1.0 a.m. (Scottish from 11.5) National Programme.
10.35 (Scottish)—Scottish Dance Music: Strings of the New Light Orchestra, the Studio Orchestra, the Reel Players.

Hours of Transmission in British Summer Time

6 a.m. — 8 a.m.

BERLIN, 6.20—See 6.0 Frankfurt.
8.0—Gym; Announcements.
BRESLAU, 6.0—See Frankfurt. 8.0-8.25—News; Gym.
COLOGNE, 6.0—See Frankfurt. 8.0-8.15—Gym. 8.15-8.30—Announcements.
DEUTSCHLANDSENDER, 6.20—Band.
FRANKFURT, 6.0—Concert. 8.0-8.30—Gym.
HAMBURG, 6.0—See Frankfurt. 6.35—Gym; Talk. 8.0-8.45—Announcements; Records.
HILVERSUM, 8.40—Records.
HUIZEN, 8.40—Bible Reading. 8.55—Records.
KÖNIGSBERG, 6.15—See 6.0 Frankfurt. 8.0-8.10—Prayers. 8.30—Gym.
LEIPZIG, 6.20—See 6.0 Frankfurt. 8.0—Gym. 8.20—Hymn.
MUNICH, 6.5—See 6.0 Frankfurt. 8.0-8.30—Gym.
PARIS (Radio-Paris), 6.45—Gym. 7.0—Records. 7.15—News. 7.45—Gym. 8.0—Records.
STUTTART, 6.30—See 6.0 Frankfurt. 8.10—Gym. 8.30-8.45—For Women.

9 a.m.

BRESLAU, 9.0—Light Music.
DEUTSCHLANDSENDER, 9.40—Talk.
HILVERSUM, 9.0—Records. 9.40—Lismondé Orchestra.
HUIZEN, 9.0—Records.
KÖNIGSBERG, 9.5—For Schools.
MUNICH, 9.35—Talk.

10 a.m.

BERLIN, 10.0—News. 10.15-10.45—"Berlin"—Sequence.

BRESLAU, 10.15-10.45—See Berlin.
COLOGNE, 10.0—News. 10.15—See Berlin. 10.45—Talks; Pianoforte.
DEUTSCHLANDSENDER, 10.0—News. 10.15—"Arminius"—Play with Music.
FRANKFURT, 10.0—News. 10.15-10.45—See Berlin. 10.50—For Women.
HAMBURG, 10.15-10.45—See Berlin. 10.50—News.
HILVERSUM, 10.0—Lismondé Orchestra. 10.41—Service. 10.55—Records: Sacred Music.
HUIZEN, 10.0-10.10—Records.
LEIPZIG, 10.0—Exchange; Announcements. 10.15-10.45—See Berlin.
MUNICH, 10.15-10.50—Talk.
STUTTART, 10.15—See Berlin. 10.45—News.
TURIN, 10.30-10.50—For Schools.

11 a.m.

BEROMÜNSTER, 11.10—Jubilee Celebrations from London.
COLOGNE, 11.0—Talk; Pianoforte. 11.20—Sports. 11.30—Concert.
DEUTSCHLANDSENDER, 11.15-11.30—Weather. 11.40—Discussion.
FRANKFURT, 11.0—Concert. 11.25—Announcements; Exchange.
HAMBURG, 11.0-11.30—Folk Songs.
HILVERSUM, 11.0—Records. 11.10—Lismondé Orchestra. 11.30—Royal Jubilee Thanksgiving Service from London.
HUIZEN, 11.0—Religious Programme.
KÖNIGSBERG, 11.0—Light Music.
LEIPZIG, 11.0—Concert. 11.30—News.
MUNICH, 11.0—Markets. 11.5—Zither. 11.30—News.
PRAGUE, 11.0—Record. 11.5—Police Band. 11.55—For Farmers.
STOCKHOLM, 11.30—Royal Jubilee Thanksgiving Service from London.
STUTTART, 11.0—Concert. 11.30—Talk.
TURIN, 11.30—Consiglio Orchestra.

12 noon

BERLIN, 12.0—Orchestra. 12.20—See Hamburg.
BEROMÜNSTER, 12.0—Jubilee Celebrations (contd. from 11.10). 12.30—News. 12.40—Song Records.
BRESLAU, 12.0—Orchestra. 12.20—See Hamburg.
BRUSSELS (No. 1), 12.0—Records. 12.30—Orchestra.
BRUSSELS (No. 2), 12.0—Records. 12.30—Orchestra.
COLOGNE, 12.0—Orchestra. 12.20—See Hamburg.
DEUTSCHLANDSENDER, 12.0—Orchestra. 12.20—See Hamburg.
FRANKFURT, 12.0—Orchestra. 12.20—See Hamburg.
HAMBURG, 12.0—Shipping. 12.10—Talk. 12.20—Classical Concert. Hanover Symphony Orchestra. Conductor: von Sosen. Correck (Baritone).
HILVERSUM, 12.25—Records. 12.41—Light Music. In the Intervals: Records.
HUIZEN, 12.0—Religious Programme. 12.10—Records.
KALUNDBORG, 12.30—Andersen String Ensemble.
KÖNIGSBERG, 12.0—Orchestra. 12.20—See Hamburg.
LEIPZIG, 12.0—Station Orchestra.
MUNICH, 12.0—Light Orchestra.
PARIS (Poste Parisien), 12.5—Bellanger Ensemble.
PARIS (Radio-Paris), 12.15—Symphony Orchestra. Conductor: Touche. Mlle. Allix (Songs).
PRAGUE, 12.0—Talk; Records. 12.25—News. 12.35—Pekarek and his Chamber Orchestra.
STOCKHOLM, 12.0—Jubilee Service (contd. from 11.30). 12.30—Exchange.
STUTTART, 12.0—Orchestra. 12.20—See Hamburg.
TURIN, 12.0—Consiglio Orchestra. 12.45—News.
WARSAW, 12.5—Orchestra. 12.45—Talk. 12.55—News.

1 p.m.

ATHLONE, 1.30—Weather; Stocks; Records.

2 p.m.

ATHLONE, 2.0-2.30—Records.
BERLIN, 2.0—News. 2.15—Chamber Music.

BRESLAU, 2.0—Announcements; Exchange. 2.10—Concert. 2.35—Greetings. 2.40—Markets.
BRUSSELS (No. 1), 2.0—For Schools.
BRUSSELS (No. 2), 2.0—For Schools.
COLOGNE, 2.0—News. 2.15-2.30—Cinema Organ. 2.45—Exchange.
DEUTSCHLANDSENDER, 2.0—Variety.
FRANKFURT, 2.0—News. 2.15—Report: Rebuilding a City. 2.30—Exchange. 2.40—Weather.
HAMBURG, 2.0—News. 2.20—Light Music.
HILVERSUM, 2.0—Light Music. 2.40—van Egnond (Organ) and Marie Snijders (Soprano).
HUIZEN, 2.0—Orchestra (contd. from 1.10). 2.40—For Schools.
LEIPZIG, 2.0-2.10—News; Exchange.
STOCKHOLM, 2.0—Dialogue. 2.30—Mandoline.
TURIN, 2.0—Exchange; Records. 2.15-2.25—Exchange.

3 p.m.

BERLIN, 3.0-3.30—Exchange.
BEROMÜNSTER, 3.30—Records.
BRESLAU, 3.10—Book Review. 3.30—Suite in D minor (Bach) by Greulich (Cello).
COLOGNE, 3.0—Talk: Hitler Youth Publications. 3.20—Sports. 3.30—Exchange. 3.50—Topical Talk.
DEUTSCHLANDSENDER, 3.0—Exchange. 3.15—Travel Talk. 3.35—Songs.
FRANKFURT, 3.15—For Children. 3.30—Book Review. 3.50—Reading (Jatho).
HAMBURG, 3.0—Exchange. 3.30—Brazilian Exchange. 3.40—Shipping.
HILVERSUM, 3.0—Organ; Soprano. 3.40—A.V.R.O. Orchestra.
HUIZEN, 3.0—For Schools. 3.15—Records. 3.25—Cookery Hints. 3.55—Records.
KALUNDBORG, 3.30—Radio Orchestra.
KÖNIGSBERG, 3.0—Markets. 3.10—Reading (Waggerl). 3.30—Songs for Children.

3 p.m. (contd.)

LEIPZIG, 3.5—Art Review. 3.25—Book Review. 3.40—Exchange. MUNICH, 3.0—For Children. 3.20—"Bavarian Composers". Fanny Lehner (Soprano). 3.40—Poetry. PARIS (Radio-Paris), 3.45—Exchange. WARSAW, 3.35—Exchange. 3.45—

"Prometheus"

Ballet (Beethoven). Station Orchestra. Conductor: Oziminski.

4 p.m.

BERLIN, 4.0—"The Football"—Play (Mühlen-Schulte). 4.30—"My Struggle and My Triumph"—Dr. Werner Storz, Gerhard Boetzel and Wolrad Eberle at the Microphone. BEROMÜNSTER, 4.0—To be announced. 4.55—Arias and Duets. BRESLAU, 4.0—Talk: Klara Hofer. 4.30—Talk: Wilhelm Doms. COLOGNE, 4.0—Contemporary Music, Hildegard Hennecke (Contralto) and Hans Haass (Pianoforte). 4.35—Reading (Richard Euringer). DEUTSCHLANDSENDER, 4.0—

Variety

FRANKFURT, 4.0—Folk Songs of Lorraine. Station Choir. 4.30—Reading. HAMBURG, 4.0—Humorous Puzzle Programme. 4.40—"May"—Girls sing and play. HILVERSUM, 4.0—A.V.R.O. Orchestra. 4.55—Records. HUIZEN, 4.0-4.25—Songs; Organ. 4.40—Bible Reading. KALUNDBORG, 4.0—Radio Orchestra. In the interval at 4.15—Talk: Private Social Welfare Work; Reading (Weltzer). KÖNIGSBERG, 4.0—Talk. 4.25—Romance, Canzonetta, Intermezzo and Vision (Rheinberger) by Adolf Schütz (Organ). 4.45—Review of Books on Ethnology. LEIPZIG, 4.0—Brahms, Schubert and Wolf. Martha-Luise Fink-Dix (Soprano). 4.30—Talk. 4.50—Exchange; Brazilian Exchange. MONTE CENERI, 4.0-5.0—See Beromünster. MOSCOW (No. 1), 4.0—News. 4.30—An Operetta. MUNICH, 4.0—Markets. 4.10—Station Trio. 4.40—Talk: The New Athens, the Work of German Architects. PRAGUE, 4.0—Orchestra. 4.50—For Children. SOTTENS, 4.0-5.0—See Beromünster. STUTTGART, 4.30—"The Inventor of the Bicycle"—Sequence (Lisa Heiss-Stäbler). TURIN, 4.30—News. 4.40—For Children. WARSAW, 4.0—"Prometheus" (Beethoven) (contd. from 3.45). 4.30—German. 4.45—Records of Marie Kurenko.

5 p.m.

BERLIN, 5.0—See Stuttgart. BEROMÜNSTER, 5.0—Arias and Duets. 5.30—Baur (Cello). BRESLAU, 5.0—See Stuttgart. BRUSSELS (No. 1), 5.0—Orchestra. BRUSSELS (No. 2), 5.0—Records. 5.45—For Children. BUCHAREST, 5.15—Quintet in F minor (Franck). 5.55—Songs (Franck). BUDAPEST (No. 1), 5.0—Wladigerov (Pianoforte). 5.45—German. COLOGNE, 5.0—Station Chamber Orchestra. Conductor: Hagesstedt. Part I, Light Music. Part II, Old German Dances. DEUTSCHLANDSENDER, 5.0—Light Music. 5.30—Talk: Welfare Work and Philosophy. 5.50—Mozart, Lilli Friedemann (Violin) and Waldemar von Vultée (Pianoforte). FRANKFURT, 5.0—See Stuttgart. HAMBURG, 5.0—See Stuttgart. HILVERSUM, 5.0—Records. 5.10—Film Talk with Records. HUIZEN, 5.0—Bible Reading; Songs; Organ. 5.40—Records. KALUNDBORG, 5.0—Radio Orchestra. Conductor: Gröndahl. 5.30—Exchange; Markets. 5.42—Poem. 5.45—Talk: Blackbirds. KÖNIGSBERG, 5.0—See Stuttgart. LEIPZIG, 5.0—See Stuttgart. MONTE CENERI, 5.0-6.0—See Beromünster. MORAVSKÁ-OSTRAVA, 5.30—String Quartet in E minor (Bohm). MOSCOW (No. 1), 5.0—Operetta (contd. from 4.30). 5.30—Soloists; Choir; Orchestra. MUNICH, 5.0—Light Classical Music. Conductor: Böhm. Margarete Düren (Soprano).

PRAGUE, 5.5—Talk; Record. 5.20—Educational Talk. 5.30—Record. 5.35—Cello and Pianoforte. RADIO-NORMANDIE, 5.0—Dance Music. 5.15—Records. ROME, 5.5—Borriello (Baritone). In the Interval: Corn Prices. 5.30—Mozart Concert from the Royal Philharmonic Academy. The Academy Students' Orchestras, the Rome Quartet and Soloists. Clarinet Quintet in A. Pieces for Voice and Orchestra. Pianoforte Concerto in E minor. SOTTENS, 5.0—See Beromünster. STOCKHOLM, 5.5—Songs; Accordion Duets. 5.35—Report from a Country Child Welfare Centre. STUTTGART, 5.0—Orchestra. Conductor: Schröder. Maria Madlen-Madsen (Soprano), Giesen (Pianoforte) and Evanel (Mandoline). TURIN, 5.0—For Children. 5.30—See Rome.

MOSCOW (No. 1), 6.0—Soloists; Choir; Orchestra. MUNICH, 6.0 (approx.)—Talk: Hans Plitzner the German. 6.10—Light Classical Music (contd. from 5.0). 6.30—Book Review: Old German Art. 6.50—Weather; Markets. OSLO, 6.0—Science Talk. 6.30—English. 6.55—Announcements. PARIS (Poste Parisien), 6.25—Exchange; Announcements. 6.37—Cortot plays Chopin Waltzes (Records). 6.50—Topical Talk. 6.57—Marian Anderson sings Negro Spirituals (Records). PARIS (PTT), 6.0—Gardening. 6.10—Economics. 6.20—History. 6.30—News; Review. PARIS (Radio-Paris), 6.0—Art Review and Talk. 6.30—For Farmers. 6.45—Book Review. PRAGUE, 6.0—For Farmers. 6.10—German Transmission: Talk: Music. 7.15—The Royal Jubilee—Report from London (Records). BUDAPEST (No. 2), 7.30—Act I, "Faust" Opera (Gounod), from the Royal Hungarian Opera. COLOGNE, 7.0—"From House to House, from Inn to Inn"—Polish Folk Suite for Soloists, Choir and Orchestra (Thadée Sygietyński). Conductor: The Composer. 7.30—Weekly Review. 7.50—Snapshots. DEUTSCHLANDSENDER, 7.0—Light Music from Amsterdam. FRANKFURT, 7.0—Trier Municipal Orchestra. Conductor: Bachmann. Overture, "The Water Carrier" (Cherubini). German Dances (Mozart). Overture, "Ballo in Maschera" (Auber). March (Blankenburg). Sphärenklänge (Strauss). Selection, "Der Opernbau" (Heuberger). Sonntagskind (Milköcker). March (Schröder). HAMBURG, 7.0—See Frankfurt.



THIS IS ANTI-NOISE WEEK

IN GERMANY

A talk on it

comes from

Berlin at 9.40 p.m.

VIENNA, 5.15—Talk: Baron Friedrich von Trenck, Adventurer. 5.35—Opera Arias by Lydia Jaryghina (Contralto) and Radowsky (Baritone). WARSAW, 5.0—For Children. 5.15—To be announced.

6 p.m.

ATHLONE, 6.0—For Children. 6.45—News. BERLIN, 6.0—See 5.0 Stuttgart. 6.30—Sports Talk: Health Hints. 6.40—Topical Talk. BEROMÜNSTER, 6.0—Children visit the Basle Broadcasting Station. 6.30—Talk: Methods of promoting Sales. BRESLAU, 6.0—See 5.0 Stuttgart. 6.30—Reading: "Vaterland" (von Grolmann). 6.50—Markets. BRUSSELS (No. 1), 6.0—For Young People. 6.30—Records. BRUSSELS (No. 2), 6.0—For Children. 6.30—Orchestra. BUCHAREST, 6.0—Songs (Franck). 6.15—News. 6.30—César Franck Records. BUDAPEST (No. 1), 6.0—German. 6.15—Dance Music. COLOGNE, 6.0—Orchestra (contd. from 5.0). 6.30—Report from the Provincial Museum, Münster. 6.45—News. DEUTSCHLANDSENDER, 6.0—Mozart (contd. from 5.50). 6.30—Sports Notes. 6.45—Talk. 6.55—Poem. FRANKFURT, 6.0—See 5.0 Stuttgart. 6.30—Discussion. 6.45—Topical Talk. 6.55—Exchange; Announcements. HAMBURG, 6.0—See 5.0 Stuttgart. 6.30—Radio Review. 6.45—Exchange; Markets; Shipping. HILVERSUM, 6.0—Film Talk (contd. from 5.10). 6.10—Light Music. Lyrta Trio. 6.55—Dance Music. A.V.R.O. Decibels. HUIZEN, 6.0—Records. 6.10—Mlle. Lambrechts (Contralto). KALUNDBORG, 6.0—Talk (contd. from 5.45). 6.15—English. 6.45—Wireless Notes. KÖNIGSBERG, 6.0—See 5.0 Stuttgart. 6.30—Markets. 6.35—A Girls' Choir. LEIPZIG, 6.0—See 5.0 Stuttgart. 6.20—Talk: Gustav Freytag. 6.50—Reading (Jean Paul).

Character; Songs and Recitations in Dialect; Music Review; News. 6.55—Records.

RADIO-NORMANDIE, 6.0—For Children. 6.45—Literary Programme. ROME, 6.0—Mozart (contd. from 5.30). 6.35—News in Esperanto. 6.45—Tourist Report. SOTTENS, 6.0—For Women. 6.20—Hertel (Cello). 6.40—For Children. STOCKHOLM, 6.0—Light Music. 6.55—Parliamentary Review. STRASBOURG, 6.15—Literary Review. 6.30—Topical Talk (German). 6.45—Orchestra. STUTTGART, 6.0—Orchestra (contd. from 5.0). 6.30—For Boys. TOULOUSE (Radio-Toulouse), 6.0—News. 6.15—Hawaiian Guitar; Songs. 6.45—Symphony Orchestra. Overture, "Le roi d'Ys" (Lalo). Hungarian Rhapsody (Liszt). TURIN, 6.0—See 5.30 Rome. 6.35—News in Esperanto. 6.45—Tourist Report; Dopolavoro Notes. VIENNA, 6.5—Theatre Review. 6.25—Reference Books for the Week's Talks. 6.30—English. 6.55—News. WARSAW, 6.0—Film Review. 6.10—Zither Duets. 6.25—Social Problems. 6.30—Letter-box. 6.40—Art Review. 6.45—Records.

7 p.m.

ATHLONE, 7.0—Irish. 7.15—Talk. 7.31—Station Orchestra; Songs. BERLIN, 7.0—See Frankfurt. 7.40—Evening Echoes. BEROMÜNSTER, 7.0—Announcements. 7.20—For Women. 7.50—Variety. BRESLAU, 7.0—See Frankfurt. BRNO, 7.30—"La Princesse de Trébizonde"—Three-Act Operetta (Offenbach). BRUSSELS (No. 1), 7.0—Talk: The Walloon Movement. 7.15—Records. 7.30—Tourist Report; Film Review. BRUSSELS (No. 2), 7.0—Talk: Problems of the Day. 7.15—Orchestra. Conductor: Walpot. 7.30—Art Review. BUCHAREST, 7.0—Talk. 7.20—Radio Orchestra. BUDAPEST (No. 1), 7.0—Dance

HILVERSUM, 7.0—Dance Music. 7.40—Records. HUIZEN, 7.0—Mlle. Lambrechts (Contralto). 7.10—Letter-Box. 7.40—Announcements. 7.55—A Report. KALUNDBORG, 7.0—News. 7.20—Records: Suite bergamasque (Debussy), by Gieseking. 7.40—Royal Jubilee Programme, from London. KÖNIGSBERG, 7.0—Announcements. 7.10—To be announced. 7.30—Maria Peschken (Contralto). Songs (Trunk): (a) Die Stadt, (b) Meine Mutter hat's gewollt, (c) Unter der Linde, (d) Frühlingssonne. Songs (Hildebrand): (a) Die graue Stadt, (b) Zweier Seelen, (c) Tanzlied, (d) Wenn schlanke Lilien. Songs (Strauss): (a) Georgine, (b) Heimkehr, (c) Geduld, (d) All meine Gedanken. LEIPZIG, 7.0—See Frankfurt. MONTE CENERI, 7.15—Respighi Records. 7.45—News. MOSCOW (No. 1), 7.0—Soloists; Choir; Orchestra. MUNICH, 7.0—The Augsburg Wind Band and Elta Bruckner (Pianoforte). Pianoforte Solos (Schmid): (a) Der Grenadier, (b) Das Totenglocklein, (c) Der Spanier. Talk and Reading: "Empfindsame Reise an den Bodensee" (Gustav Böhm). Wind Quintet in B flat (Schmid). Talk and Reading: "Fliegerschule 4" (Richard Euringer). Pianoforte Solos (Schmid): (a) Das Röslein, (b) Das Kindlein, (c) Der hohe Stii, (d) Der Russe. OSLO, 7.0—Announcements. 7.30—Jazz. 7.45—Political Talk. PARIS (Eiffel Tower), 7.0—News. 7.30—Talk: Spas. 7.40—Topical Talk. PARIS (Poste Parisien), 7.0—Negro Spirituals (contd. from 6.57). 7.7—Sports. 7.10—News. 7.28—Gardening. 7.35—Records. PARIS (PTT), 7.0—News: Review. 7.45—Aviation. 7.53—Assurance Societies' Report. PARIS (Radio-Paris), 7.5—Film Review. 7.15—Weather. 7.20—Talk: Italian Literature To-day. 7.45—Racing Notes. PRAGUE, 7.0—News. 7.10—Record. 7.15—Russian. 7.30—See Brno. RADIO-NORMANDIE, 7.0—Request Music. ROME, 7.0—To be announced. 7.55—Talk in French: Travel in Italy.

MONDAY May 6

SOTTENS, 7.0—Talk, with Records: Albania. 7.30—Talk: Tobacco-Growing in Switzerland. 7.50—Radio Suisse-Romande Orchestra. Conductor: Echenard. Estro armonica (Vivaldi). Symphony, La Reine (Haydn). Bassoon Concerto (Mozart). German Dances (Schubert-Webern). Overture, "Prometheus" (Beethoven). STOCKHOLM, 7.0—Parliamentary Review. 7.15—News. 7.40—Empire Greetings to the King, from London. STRASBOURG, 7.0—Orchestra (contd. from 6.45). 7.30—News. 7.45—Records. STUTTGART, 7.0—Ulm Municipal Orchestra. Conductor: Schilling. Overture, "Hamlet" (Ph. E. Bach). Ballet, "Ueber allen Zaubern" (Lassen). Wedding of the Winds (Hall). Selection, "The Geisha" (Jones). Einzug der Frühlingsblumen (Kockert). Aubade de Printemps (Lacombe). TOULOUSE (Radio-Toulouse), 7.0—Operetta Music. 7.20—Soloists. 7.30—News. 7.45—Medical Talk. TURIN, 7.0—News in Foreign Languages. VIENNA, 7.5—Announcements. 7.15—Talk: Aerial Defence. 7.30—"The Royal Jubilee"—Report from London (Records). WARSAW, 7.7—Announcements. 7.35—For Soldiers.

8 p.m.

ATHLONE, 8.0—Orchestra; Songs. 8.30—To be announced. BERLIN, 8.0—News. 8.10—German for Germans. 8.20— Schubert Station Orchestra. Conductor: Steiner. Emmi Leisner (Contralto). Songs: (a) Im Frühling, (b) Vor meiner Wiege, (c) Das Lied im Grünen, (d) Heiss mich nicht reden, (e) So lass mich scheinen, (f) Geheimes, (e) Suleika's Song. Entr'acte and Ballet, "Rosamunde." BEROMÜNSTER, 8.0—Variety (contd. from 7.50). BORDEAUX-LAFAYETTE, 8.0—Medical Talk. 8.15—News. 8.30—Symphony Orchestra; Soloists. Conductor: Guiraud. BRESLAU, 8.0—News. 8.10—See Deutschlandsender. BRNO, 8.0—"La Princesse de Trébizonde" (Offenbach) (contd. from 7.30). BRUSSELS (No. 1), 8.0—Radio Orchestra. Conductor: Gason. Mme. Prot-Nuel (Songs). Marche militaire française (Saint-Saëns). A Ray of Hope (Closset-Petit). Largo in the Old Style (Registor). Interlude, "A Midsummer Night's Dream" (Vreuls). Songs: (a) La procession (Franck), (b) Vous dire en paroles chantantes (Marsick). Three Pieces (Mawet). Amoroso (Jéhin). March (Marsick). Danse et cortège (Leblanc). Arias, "Orpheus and Eurydice" (Gluck). Suite, L'âge d'or (de Herve). Selection, "Mirella" (Gounod). Li Tchant des Wallons (Hillier). BRUSSELS (No. 2), 8.0—Symphony Orchestra from the Exhibition. Conductor: André. Sterkens (Songs). Overture on Greek Themes (Glazunov). Fête polonaise (Chabrier). Songs. Dance of the Witches (De Boeck). The Nut-cracker Ballet (Tchaikovsky). Marche fantasque (Gilson). Invitation to the Dance (Weber). In a Summer Garden (Delius). Songs. Selection, "Cydalise et le chèvrepied" (Piéme). BUCHAREST, 8.5—Botez (Violin). Tana Nanesco and Secareano (Songs). Violin Sonata in A (Handel) Romanian Songs (Andreesco). Songs: (a) Ich liebe dich (Beethoven), (b) Du bist die Ruh (Schubert). Violin: (a) Berceuse (Faure). (b) Tambourin (Gossec), (c) Romanian Dance (Barbu). Four Songs: (a) Prince Eugene (Loewe), (b) Romanian Song (Montzia). Violin: Havanaise (Saint-Saëns). BUDAPEST (No. 1), 8.0—Jubilee Report from London (on Records). 8.40— Gounod's "Faust" from the Opera.

MONDAY May 6

8 p.m. (contd.)

FUDAPEST (No. 2), 8.0—Act I, "Faust" (Gounod) (contd. from 7.30). 8.35—News.

COLOGNE, 8.0—News. 8.10—"Deutsches Bekenntnis"—Cantata (Spitta) by the Augmented Station Orchestra and a Boys' Choir.

DEUTSCHLANDSENDER, 8.0—Motto: News. 8.10—"The Goddess of Happiness"—Hans Andersen Sequence (Leberecht). Music by Bernd Scholz.

FRANKFURT, 8.0—News. 8.15—Pozniak Trio: Trio in B minor (Volkmann). Trio in E flat (Beethoven).

HAMBURG, 8.0—News. 8.10—"The Fire of Hamburg" (1842)—Historical Play (Paul Schurek).

HILVERSUM, 8.0—Speech by H.M. the King, from London; Records. 8.40—News. 8.45—

Beethoven

A.V.R.O. Orchestra. Conductor: van Raalte. Stephan Askance (Pianoforte). Symphony in D. Pianoforte Concerto in B flat.

HUIZEN, 8.0—Report. 8.10—Letter-box. 8.40—News. 8.45—Records. 8.55—Arnheim Municipal Orchestra. Conductor: Spaanderman. Jubel-Ouverture (Weber). Suite for Strings (Purcell).

KALUNDBORG, 8.0—Royal Jubilee Programme from London.

KÖNIGSBERG, 8.0—News. 8.15—Concert from the Neurosänger Kirche. Charlotte Achepohl (Soprano), Edith Fedtke (Harpsichord), Fedtke (Organ) and Orchestra. Conductor: Ohlhorst. Easter Hymn (Palestrina). Prelude and Fugue in D (Buxtehude). "O Gottesstadt"—Cantata (Buxtehude). Sonate Pian e Forte for Two Wind Bands (Gabielli).

LAHTI, 8.0—The King's Speech, from London. 8.10—Violin. 8.35—Talk. 8.45—News.

LEIPZIG, 8.0—News. 8.10—

"Semele"

—Oratorio (Handel), from the New Leipzig Singing Academy's Festival Concert in the Gewandhaus. The New Leipzig Singing Academy Choir, the Leipzig Symphony Orchestra, and Soloists. Conductor: Otto Didam.

LYONS (La Doua), 8.30—Plays: (a) "L'énigme du Pont-Rompu" (Charley), (b) "Obsession."

MONTE CENERI, 8.0—Rampoldi Dance Band.

MOSCOW (No. 1), 8.0—Song Duets and Instrumental.

MUNICH, 8.0—News. 8.15—See Stuttgart.

OSLO, 8.0—Political Talk. 8.15—Chamber Music.

PARIS (Eiffel Tower), 8.0—Political Review. 8.30—"May"—Symphony Orchestra. Conductor: Flamant. Mlle. Delège (Songs) and Gamot (Pianoforte).

PARIS (Poste Parisien), 8.0—Interlude; Talk. 8.10—Exchange. 8.18—Variety by Max Régner and Company. 8.50—Exchange. 8.53—Interlude.

PARIS (PTT), 8.0—

Martinet Waves

—Recital by the Inventor. Grave (dal Abaco). Minuet and Tambourin (Rameau). Romance (Fauré). Syrinx (Debussy). Bourrée (Canteloube). Air pour Berger (Gilvès). Serenade and Elegy (Milhaud). Chant d'oppression (Jolivet). Luciole (Sanazeuilh). 8.30—"La Hussarde"—Operetta in Three Acts (Fourdrain). Conductor: Georis.

PARIS (Radio-Paris), 8.0—Chamber Music. Paris String Quartet, Mme. Nespoulous (Songs) and Salmon ("Cello"). Old Music for Violin and Pianoforte (arr. Salmon): (a) Sonata (Marcello), (b) Adagio, (c) Allegro vivo (Bendali), (d) Andante cantabile (de Fusch), (e) Gigue (Gaillard). Songs: (a), Ständchen (Schubert), (b) Sonntag (Brahms), (c) Song (Schumann). Quartet (Beethoven): (a) L'isle heureuse (Chabrier), (b) Boléro (Boieldieu), (c) La felicità (Laparra), (d) Printemps nouveau (Vidal). Unfinished Quartet (Chausson). In the Interval at 8.30: Press Review.

PRAGUE, 8.0—See 7.30—Brno.

RADIO-NORMANDIE, 8.0—Sound Film Music. 8.30—Talk. 8.45—Light Music.

ROME, 8.0—News (English). 8.10—To be announced. 8.30—News. 8.40—Topical Talk. 8.50—"La città rosa"—Operetta in Three Acts (Lombardo-Ranzato). Conductor: Renata Josi.

STOCKHOLM, 8.0—The King's Speech, from London. 8.15—Address by Archbishop Eiden, from the Meeting of the Churches in the Gustaf Vasa Church.

STRASBOURG, 8.0—News (German). 8.30—Concert by the "Société des Amis du Pays Messin." Mme. Morcau-Lorenz (Songs), Mlle. Leick (Pianoforte), Ehrmann (Flute), Lafond (Oboe), Rogeau (Bassoon) and Mercier (Pianoforte). Trio Sonata in C minor (Lully). Songs (Fauré): (a) Les roses d'Isphahan, (b) Clair de Lune, (c) Soir. Idylle bretonne (Pillevestre). Songs: (a) Revenez amours (Lully), (b) Que soupirez d'amour (Lully), (c) Gavotte chantée, "Castor et Pollux" (Rameau), (d) Le temps des lilas (Chausson). Héro et Léandre (Pillevestre). William Tell (Demessman-Barthelmy). Pianoforte: (a) Mazurka (Chopin), (b) Papillons (Schumann). Dialogue sentimentale (Lacombe). Songs: (a) Chanson triste (Duparc), (b) La vie antérieure (Duparc), (c) La flûte enchantée (Ravel). Trio Sonata (Rietri).

STUTTGART, 8.0—News. 8.15—"May"—Station Orchestra and Choir, the "Radio Lovebirds," a Children's Choir and Soloists. Conductor: Görlisch.

TOULOUSE (Radio-Toulouse), 8.0—Medical Talk. 8.15—Light Music.

TURIN, 8.0—News (English). 8.10—To be announced. 8.30—News. 8.40—Topical Talk. 8.50—Records.

VIENNA, 8.0—Jubilee Report (contd. from 7.30). 8.10—Popular Concert. Vienna Symphony Orchestra, the "Troika" Russian Ensemble, Lily and Emy Schwarz (Pianofortes), Guttman (Tenor), Lydia Radlow (Mezzo-Soprano) and Stabloff (Bass). Conductor: Schönherr.

WARSAW, 8.0—"The Roses of the Madonna"—Ballad (Stolz). Conductor: Gorzynski. 8.45—News; Talk.

9 p.m.

ATHLONE, 9.0—To be announced. 9.30—Variety.

BARCELONA, 9.0—Wireless Notes. 9.30—News. 9.55—Markets.

Berlin, 9.0—Schubert (contd. from 8.20). 9.10—Symphony in C (Bizet), by the Station Orchestra. Conductor: Steiner. 9.40—"Anti-Noise Week"—Report.

Beromünster, 9.0—News. 9.10—Handel, J. C. Bach, and Brahms. Radio Orchestra. Conductor: Hofmann. Röntgen (Violin) and Sturzenegger (Cello).

BORDEAUX-LAFAYETTE, 9.0—Orchestra (contd. from 8.30).

BRATISLAVA, 9.0—Talk. 9.15—Sacred Music from St. Martin's Cathedral.

BRESLAU, 9.15—Polish Music. Irena von Dubiska (Violin). Sonata (Brezinski). Krakoviak (Opieski). Chanson polonaise (Szymanowski). Scherzo-Tarantella (Wieniawski). Mazurka (Zarzycki).

BRNO, 9.0—Talk: Astronomy. 9.15—Songs. 9.30—Moravian Music. Kundera (Pianoforte).

BRUSSELS (No. 1), 9.0—Talk: The Pilgrimage to Waterloo. 9.15—Orchestra (contd. from 8.0).

BRUSSELS (No. 2), 9.0—Symphony Concert (contd. from 8.0).

BUCHAREST, 9.0—Violin and Songs (contd. from 8.5). 9.15—Talk. 9.30—Viennese Music by a Schrammel Quartet.

BUDAPEST (No. 1), 9.0—"Faust" (Gounod) (contd. from 8.40). News in the Interval.

BUDAPEST (No. 2), 9.0—Jakab Orchestra.

COLOGNE, 9.0—"North Westphalian Radio Day, April 7th, 1935"—Repetition on Wax (Records). Part I—Bielefeld Children's Choir. Conductor: Oberschelp. Part II—The Münster Gala Concert—Operetta Music. The Cologne Augmented Station Orchestra. Conductor: Kühn. Erna Berger and Melitta Wittenbecher (Sopranos), Groh (Tenor) and Stienz (Bass).

DEUTSCHLANDSENDER, 9.0—Hans Andersen Sequence (contd. from 8.10). 9.15—Peter Quartet.

String-Quartets: (a) in F minor (Beethoven), (b) in D (Mozart).

FRANKFURT, 9.0—The Pozniak Trio (contd. from 8.15). 9.15—Talk with Records: The Swastika in the Far North. 9.30—"Herzblätchens Zeitvertreib"—a Humorous, Satirical and Musical Sequence (Peter Paul Althaus).

HAMBURG, 9.0—"The Fire of Hamburg"—Historical Play (contd. from 8.10). 9.30—"God preserve this House"—Seven Household Texts (Werner Penndorf), from Bremen Cathedral. The Cathedral Chamber Choir. Conductor: Liesche. Maria Hedtfeld and Western (Speakers).

HILVERSUM, 9.0—Beethoven (contd. from 8.45). 9.40—Play.

HUIZEN, 9.0—Orchestra (contd. from 8.55). 9.15—Talk. 9.45—Mixed Choir. In the Interval: Records.

KALUNDBORG, 9.0—Royal Jubilee Programme from London. 9.45—News.

KÖNIGSBERG, 9.0—"The Great Desire"—Radio Film (Kunze), with the Børschel Dance Band.

LEIPZIG, 9.0—"Semele"—Oratorio (Handel) (contd. from 8.10).

LYONS (La Doua), 9.0—Plays (contd. from 8.30).

MADRID (EAJ7), 9.0—Wireless Talk. 9.15—News. 9.30—Ballesteros (Pianoforte).

MONTE CENERI, 9.0—Dance Music. 9.10—See Beromünster.

MORAVSKÁ-OSTRAVA, 9.15—Mozart. Station Orchestra. Conductor: Plichta. Symphonie concertante for Oboe, Clarinet, Horn, and Bassoon. Serenade in D.

MOSCOW (No. 1), 9.0—German Talk: Bolsheviks in the Czarist Army.

MUNICH, 9.0—See 8.15 Stuttgart.

OSLO, 9.0—Report from Skaanen, Sweden. 9.40—News.

PARIS (Eiffel Tower), 9.0—"May"—Orchestra (contd. from 8.30).

PARIS (Poste Parisien), 9.0—Variety.

PARIS (PTT), 9.0—"La Hussarde" (Fourdrain) (contd. from 8.30).

PARIS (Radio-Paris), 9.0—Chamber Music (contd. from 8.0). In the Interval at 9.15 (approx.): News; Review by Christophe.

PRAGUE, 9.0—Medical Talk: The Anti-Cancer Campaign. 9.15—See Moravská-Ostrava.

RADIO-NORMANDIE, 9.0—Variety.

ROME, 9.0—"La città rosa"—Operetta (contd. from 8.50).

SOTTENS, 9.0—News. 9.10—See Beromünster.

STOCKHOLM, 9.0—"The Swedish Folk Song"—Concert with Commentary. 9.45—News.

STRASBOURG, 9.0—Concert (contd. from 8.30). In the Interval at 9.30: News.

STUTTGART, 9.0—"May"—Orchestra, Choirs, and Soloists (contd. from 8.15).

TOULOUSE (Radio-Toulouse), 9.0—"Paysages"—Fantasy. 9.40—Viennese Orchestra. 9.45—Concert Version, "Hamlet"—Opera (Thomas).

TURIN, 9.0—Records. 9.10—Folk Songs, from the People's University, Milan. In the Interval: Recitation and Commentary: "Il 700" (Fanciulli).

VIENNA, 9.0—Popular Concert (contd. from 8.10).

WARSAW, 9.0—Old Music. Conductor: Lewicki. Fantasia (Zielenski). Excerpt, "The Last Judgment"—Cantata (Pekiel). Concerto grosso in E minor (Handel). Concerto in D minor (Bach).

10 p.m.

ATHLONE, 10.0—Variety. 10.30—News. 10.40—Celtic Music.

BARCELONA, 10.5—Humorous Review. 10.15—Light Music. 10.30—For Students.

Berlin, 10.0—News. 10.30—The Zernick Quartet and Emmy Braun (Pianoforte). Pianoforte Sonata in D (Beethoven). String Quartet in F (Beethoven). Novettes (Schumann). String Quartet in C (Humperdinck). In the Interval: "Gedichte des Landes" (von Hatzfeld) recited by the Poet.

Beromünster, 10.0—Handel, Bach and Brahms (contd. from 9.10). 10.15—Weather.

BRATISLAVA, 10.15—News (Hungarian). 10.30—Records.

BRESLAU, 10.0—News; Markets. 10.30—Station Orchestra. Conductor: Prade. Bertermann (Baritone). Academic Festival Overture

(Brahms). Ballet, "Carmen" (Bizet). Aria, "Figaro" (Mozart). Heiteres Spiel (Blumer). Comedy Overture (Szczuka). Aria, "Der Wallenschmied" (Lortzing); Upper Silesian Dance Suite (Strecke). Transaktionen (Strauss). Overture, "Carnival in Venice" (Strauss).

BRUSSELS (No. 1), 10.0—News. 10.10—Cabaret.

BRUSSELS (No. 2), 10.0—News. 10.10—Concert from the Exhibition.

BUCHAREST, 10.0—News. 10.25—Light Music.

BUDAPEST (No. 1), 10.0—"Faust" (Gounod) (contd. from 8.40).

BUDAPEST (No. 2), 10.0—Jakab Orchestra. 10.30—Cigány Band.

COLOGNE, 10.0—News. 10.30—See Breslau.

DEUTSCHLANDSENDER, 10.0—News. 10.20—See Frankfurt.

FRANKFURT, 10.0—News. 10.15—News. 10.20—"Palatinate Settlers in Poland"—Literary and Musical Programme.

HAMBURG, 10.0—News. 10.25—Light Music.

HILVERSUM, 10.0—Play (contd. from 9.40). 10.10—Garden Scene, "Faust"—Opera (Gounod) (Records). 10.50—Kovacs Lajos Orchestra.

HUIZEN, 10.0—Mixed Choir. 10.15—Arnheim Municipal Orchestra. Conductor: Spaanderman. The Nutcracker Suite (Tchaikovsky). Italian Symphony in A (Mendelssohn). 10.50—News.

KALUNDBORG, 10.0—Radio Orchestra. Conductor: Mahler. Overture, To the Story of the Lovely Melusina (Mendelssohn). Old German Song Suite (von Klenau). Capriccio (Esterhazy). Slav Dance (Dvořák). Polka and Fugue, "Schwanda" (Weinberger).

KÖNIGSBERG, 10.0—News. 10.20—

Brahms Quartet

in C minor, by the Berber Quartet.

LEIPZIG, 10.0—"Semele" (Handel) (contd. from 8.10). 10.20—News. 10.40—Em De Orchestra. Overture, The Enchanted Castle (Rust). Plauderie (Kutsch). Ewige Jugend (Peppi-Wetzsch). Mailed (Blume). Selection, "Prince Methusalem" (Strauss). The Japanese Screen (Ketelbey). Old Viennese Minuet (Voigt). Liebesreigen (Hentschel). Alsatian Peasant Dances (Merkling). Im schönen Tal der Isar (Löhner). Kasperle-Theater (Joachim). Servus Du (Stolz). Fantasia on Wenn alles wieder sich belebt (Löhner). Der Kletteraffe (Grottsch). March (Döring).

LYONS (La Doua), 10.0—Plays (contd. from 8.30).

MADRID (EAJ7), 10.0—Pianoforte. 10.30—Talk.

MONTE CENERI, 10.0-10.15—See 9.10 Beromünster.

MOSCOW (No. 1), 10.5—English Talk: Newspapers and Books.

MUNICH, 10.0—News; Exchange; Sports. 10.20—To be announced. 10.30—Hans Pfitzner. Five Songs: (a) Leuchendende Tage, (b) Wenn sich Liebes von Dir lösen will, (c) Sehnsucht, (d) Herbstgefühl, (e) Der verspätete Wanderer. Pianoforte Quintet in C.

OSLO, 10.0—Topical Talk. 10.15—Variety.

PARIS (Poste Parisien), 10.0—Operetta and Opera Records. 10.30—Records: Light Music.

PARIS (PTT), 10.0—"La Hussarde" (Fourdrain) (contd. from 8.30). 10.30—News.

PARIS (Radio-Paris), 10.0—Chamber Music (contd. from 8.0). 10.35—Dance Music.

PRAGUE, 10.0—News. 10.15—Records. 10.30—Talk in German: The Royal Jubilee in England.

RADIO-NORMANDIE, 10.0—Variety.

ROME, 10.0—"La città rosa"—Operetta (contd. from 8.50).

SOTTENS, 10.0-10.30—"No. 508"—One-Act Play (de Teramond).

STOCKHOLM, 10.0—Records.

STRASBOURG, 10.0—Concert (contd. from 8.30).

STUTTGART, 10.0—News. 10.30—See Breslau.

TOULOUSE (Radio-Toulouse), 10.0—"Hamlet" (Thomas) (contd. from 9.45). 10.20—Military Band. 10.30—News. 10.45—Operetta Music.

TURIN, 10.0—Folk Songs (contd. from 9.10). 10.15—Claudia Astrologo (Violin) and Gallino (Pianoforte). Poème (Chausson). Minuet (Casella). Concerto (Vivaldi-Kreiser). Suite, "Pulcinella" (Stravinsky).

VIENNA, 10.0—News. 10.10—Eva Hadravova (Soprano). 10.45—Talk in Hungarian: Holidays in Austria. 10.55—Announcements.

WARSAW, 10.0—Announcements. 10.15—Station Orchestra. Conductor: Gorzynski. March (Siede). Ange d'amour (Waldteufel). Selection, "The Rose of Stamboul" (Fall). Minuet (Boccherini). Ballet, "La Gioconda" (Ponchielli). Die Spieluhr der Pompadour (Noack). Song (Stolz).

11 p.m.

BARCELONA, 11.0—News. 11.15—Mandoline Band.

Berlin, 11.0—Quartet (contd. from 10.30).

BRESLAU, 11.0—Orchestra (contd. from 10.30).

BUDAPEST (No. 1), 11.0—"Faust" (Gounod) (contd. from 8.40). 11.15—Orchestra.

BUDAPEST (No. 2), 11.0—Cigány Band.

COLOGNE, 11.0—See 10.30 Breslau.

DEUTSCHLANDSENDER, 11.0—Dance Music.

FRANKFURT, 11.0—See 10.30 Breslau.

HAMBURG, 11.0—Hanover Symphony Orchestra. Conductor: von Sosen. Polonaise (Hoffmann). Overture, The Enchanted Castle (Rust). Nacht gesang (Jensen-Lehnoff). Selection, "Boccaccio" (Suppé). Waltz, "Fanny Elssler" (Strauss). Blankenburg March Potpourri (Flügel). Gallop (Leopold).

HILVERSUM, 11.0—Kovacs Lajos Orchestra. 11.40—News. 11.50—Light Music.

HUIZEN, 11.0—Orchestra (contd. from 10.15). 11.40—Dance Records.

KALUNDBORG, 11.0—Johansen Dance Band.

KÖNIGSBERG, 11.0—See 10.30 Breslau.

LEIPZIG, 11.0—Orchestra (contd. from 10.40).

MADRID (EAJ7), 11.5—News. 11.15—Act I, "The Barber of Seville"—Opera (Rossini) (Records).

MOSCOW (No. 1), 11.5—Hungarian Talks: (a) Karl Marx, (b) Press Review.

MUNICH, 11.0—Pfitzner (contd. from 10.30). 11.30—See 10.30 Breslau.

PARIS (Radio-Paris), 11.0—Dance Music.

RADIO-NORMANDIE, 11.0—Records. 11.30—Light Music.

STUTTGART, 11.0—See 10.30 Breslau.

TOULOUSE (Radio-Toulouse), 11.0—Concert.

TURIN, 11.0—News. 11.10—News (Spanish).

VIENNA, 11.0—Announcements. 11.10—Celebrity Records. 11.55—Macho Quartet.

WARSAW, 11.5—Dance Records.

12 midnight

BARCELONA, 12.0—Mandolines. 12.15—Records.

FRANKFURT, 12.0—Chamber Music. Luise Richardz (Contralto), Braun (Pianoforte) and the Pozniak Trio. Concerto for Pianoforte, Violin and Cello (Telemann). Songs (Schubert): (a) An die Leier, (b) Du liebst mich nicht, (c) Lachen und Weinen, (d) Die Rose, (e) Im Abendrot, (f) Auflösung. Trio in C minor (Beethoven). Songs (Brahms): (a) O komme, holde Sommernacht, (b) Mein wundes Herz verlangt nach dir, (c) Abenddämmerung, (d) Frühlingstrost. Trio in E flat (Schubert).

HILVERSUM, 12.0-12.40—Light Music.

HUIZEN, 12.0-12.10—Dance Records.

MADRID (EAJ7), 12.0—"The Barber of Seville" (Rossini) (contd. from 11.15). 12.15—Dance Music. 12.45—News.

RADIO-NORMANDIE, 12.0—Dance Music.

STUTTGART, 12.0—See Frankfurt.

TOULOUSE (Radio-Toulouse), 12.0—Variety.

VIENNA, 12.0—Macho Quartet.

1 a.m. (Tuesday)

FRANKFURT, 1.0—Chamber Music (contd. from 12.0).

RADIO-NORMANDIE, 1.0—News. 1.10—Dance Music.

STUTTGART, 1.0—See 12.0 Frankfurt.

TUESDAY May 7

PRINCIPAL EVENTS

NATIONAL

For Time Signals, see Monday 10.15 a.m. (Droitwich)—Service. 10.30 (Droitwich)—Weather forecast. 10.45—"Farmhouse Cookery." Mrs. Arthur Webb. 11.0—Cinema Organ. 11.30—Geography for Schools: "Indian Dwellers in the Gran Chaco." 11.50—Records. 12.15 p.m.—Cedric Sharpe Sextet. 1.0—Troxy Grand Orchestra. 2.0-4.0 (Scottish)—See Regional. 2.5 (except Scottish)—For Schools: Nature Study. 2.30—Music. 3.5—French. 3.35—Talk for Sixth Forms. 4.0—To Unemployed Listeners: "This and That." John Hilton. 4.20—Philharmonic String Quartet. Winifred Radford (Soprano). Winifred Radford: When Daisies Pied (Arne); Address to Britain, Hark! The Ecch'ing Air (Purcell); Gavotte (Herbert Howells); Five Eyes (Armstrong Gibbs). Quartet No. 1, in E minor (Bridge). 5.15—Alfredo Campoli and his Orchestra. 6.0—"The First News." 6.25—Interlude. 6.30—"The Foundations of Music." Bach Keyboard Music. 6.50—French: E. M. Stéphan. 7.20—Records. 7.30—Custom and Conduct, Part I. Forces that Mould Our Lives—3: Custom." H. A. Mess, Ph.D. 8.0—Famous Trials—6: "The Trial of William Penn," on a charge of "causing a tumult." Reconstructed from the Original Records by Leslie Bailey and produced by Lance Stevking. 8.45—An Evening at the Red Sarafan under the direction of Captain V. Vivien, Marquis de Chateaubrun, with Emilio Colombo and his Red Sarafan Orchestra, Olga Alexeeva, The Siberian Cossacks. Produced by A. W. Hanson. 9.30—"The Second News." 9.50—"Current Economic Affairs." Sir William Beveridge, K.C.B. 10.0—"Freedom"—6: Lord Eustace Percy, M.P. 10.20—A Reading by Ruth Robinson from Rabindranath Tagore's "Gitanjali" (Song Offering). 10.30-12.0 (London and North till 11.15, West till 11.20)—Lew Stone and his Band.

REGIONAL

For Time Signals, see Monday 10.15-10.45 a.m. (except Midland)—Droitwich. 10.45—B.B.C. Northern Orchestra. 11.45—New Cinema Orchestra. 12.45 p.m.—Records. 1.15—Organ (W. Marcus Benbow). 2.0 (except Scottish)—Birmingham Theatre Royal Orchestra. 2.0 (Scottish)—Records. 2.35 (Scottish)—For Schools: Interlude. 2.40—French. 3.10—English: 3.35—Talk. 3.0 (Northern till 4.0; Scottish from 4.0)—Torquay Municipal Orchestra. Meta Murray (Soprano). 4.0 (Northern)—Evensong. 4.30 (Northern from 4.45)—Records. 5.15—"The Children's Hour. 6.0—"The First News." 6.30 (Regional)—Orchestra (Section E). Leonard Gowings (Tenor). Eric Coates Programme. 6.30 (Midland)—Band of H.M. Coldstream Guards. 6.30 (Northern)—Fortnightly Review. 6.30 (Scottish)—Aitealan o'n Iar. 6.30 (Western)—Records. 6.30 (N. Ireland)—Wireless Orchestra. William Boyd (Tenor). James Lyon. 6.45 (Northern)—Dance Music. 6.50 (Scottish)—New Light Orchestra, Studio Orchestra, and Reel Players. Marie Thomson (Soprano). 7.0 (Western)—Studio Orchestra. 7.20 (Midland)—Variety (Derby). 7.25 (Northern)—Northern Orchestra. 7.30 (Regional): Western from 7.40; N. Ireland from 7.50; Scottish from 8.0)—B.B.C. Dance Orchestra. 7.30 (Western)—Topical Talk. 7.30 (N. Ireland)—"Wild Life in Northern Ireland"—1. 7.50 (Scottish)—News Bulletin. 8.10—"Act I of "La Cenerentola" (Rossini). Tisbe, Ebe Ticozzi; Clorinda, Pierisa Giri; Angelina, Conchita Supervia; Alidoro, Aristide Baracchi; Don Magnifico, Vincenzo Bettoni; Don Ramiro, Dino Borgioli; Dandini, Emilio Ghirardini. Conductor, Vincenzo Bellezza. 9.15 (ex. Western)—"People and Things." Hon. Harold Nicolson, C.M.G. 9.15 (Western)—Welsh Talk. 9.30—"Act II, "La Cenerentola." 10.15—News Summary. 10.30—"Act III, "La Cenerentola." 11.15-12.0 (ex. Midland)—Lew Stone.

SYMPHONY CONCERTS

P.M. 8.5 Bucharest: Tchaikovsky, Wagner, Brahms. 8.55 Huizen: Mengelberg Jubilee. 8.55 Prague: "Histoire du Soldat" (Stravinsky). 9.0 Cologne: Bach concert. 10.40 Berlin: Bach programme. LIGHT CONCERTS 12.15 Radio-Paris: French music. 1.25 Huizen: K.R.O. orchestra. 2.10 Hilversum: Wireless orchestra. 5.0 Königsberg: Light music. 6.5 Huizen: The K.R.O. Boys. 6.30 Strasbourg: Orchestra. 7.0 Breslau: Old dances. 8.0 Brussels I: Light orchestral. 8.0 Kalundborg: Orchestra, choir. 8.0 Stockholm: Military band. 8.0 Vienna: Folk songs. 8.15 German stations: A spring cantata. 8.30 Brussels 2: Radio orchestra and a play. 8.30 French PTT stations except Radio-Paris: Bordeaux composers. 8.50 Italian and other European stations: Scarlatti programme. 9.0 Leipzig: Light orchestral. 9.0 Warsaw: Dvořák, Novák, etc. 9.5 Budapest I: Orchestra. 9.10 Beromünster: "The crafts in music." 9.40 Sottens: Band concert. 10.10 Kalundborg: Hans Andersen programme. 10.15 Vienna: Marches and waltzes. 10.30 Munich: Light music. 11.30 Budapest I: Cigány band. OPERAS 6.0 Brussels 2: "Falstaff" excerpts (records).

8.10 Regional: "La Cenerentola" (Rossini). CHAMBER MUSIC 3.45 Warsaw: Chamber orchestra. 4.20 National: Quartet (Bridge), songs. 7.0 Berlin: Oboe, harpsichord (Handel). 9.20 Eiffel Tower: Old music. 10.0 Warsaw: Serenade (Tansman). RECITALS 4.55 Huizen: Pianoforte. 5.30 Deutschlandsender: German song. 5.30 Vienna: Baritone songs. 6.40 Budapest I: Hungarian songs. 8.0 Paris (PTT): Italian folk music. 8.30 Eiffel Tower: French folk songs. 10.20 Leipzig: Pfte. (Bach-Busoni). 12.0 Stuttgart: Minuets (Bach, Beethoven), (harpsichord, pfte.). PLAYS 8.0 National: The Trial of Wm. Penn. 8.30 Radio-Paris: "Napoléon Unique" (Raynal). 9.0 Breslau: "An Expedition to Japan." TALK 5.0 Paris (PTT): Sorbonne lecture. LANGUAGE LESSONS 5.25 Prague: German; 6.0, Budapest I: French; 6.15, Kalundborg: German; 6.45, Radio-Paris: German; 6.50, National: French; 7.20, Beromünster: French. DANCE MUSIC 10.30 National; 10.45, Warsaw; 10.50, Hilversum; 11.0, Kalundborg; 11.15, Regional; 11.30, Vienna; 12.0, Radio-Normandie. MISCELLANEOUS 8.30 Brussels I: Cabaret. 9.55 Turin: Variety.

Hours of Transmission in British Summer Time

6 a.m. — 8 a.m.

BERLIN, 6.20—See 6.0 Cologne. 8.0—Gym. 8.20—News. BEROMÜNSTER, 6.30—Gym. BRESLAU, 6.0—See Cologne. 8.0—News. COLOGNE, 6.0—Concert. 6.50—Hymn. 7.0—Orchestra. 8.0—Gym; For Women. DEUTSCHLANDSENDER, 6.20—Orchestra. 8.0—Light Music. FRANKFURT, 6.0—Motto; Hymn; Orchestra. 6.45—Gym. 7.0—See Cologne. 8.10—Gym. HAMBURG, 6.0—Concert. 8.0—Announcements; Records. HILVERSUM, 8.41—Records. HUIZEN, 8.40—Records. KÖNIGSBERG, 6.0—Gym. 6.15—See 6.0 Cologne. 8.0—Prayers. 8.30—Gym. LEIPZIG, 6.20—See 6.0 Cologne. 8.0—Gym. MUNICH, 6.55—Motto. 7.0—See Cologne. 8.5—English for Schools. 8.30—Gym. PARIS (Poste Parisien), 7.10—Fanfare; Records; News. PARIS (Radio-Paris), 6.45—Gym. 7.0—Records; News; Gym. 8.0—Records. STUTTGART, 6.30—See 6.0 Cologne. TURIN, 8.0—News.

9 a.m.

BERLIN, 9.30—For Women. 9.45—For Children. BRESLAU, 9.0—Orchestra. HILVERSUM, 9.0—Records. HUIZEN, 9.0—Records. KÖNIGSBERG, 9.0—French for Schools. MUNICH, 9.45—Announcements. PRAGUE, 9.35—Police Messages. 9.45—News.

10 a.m.

BERLIN, 10.0—News; Markets. 10.15—Experimental Transmissions. BRESLAU, 10.0—News. 10.15—For Schools. COLOGNE, 10.0—News. 10.15—For Schools. 10.45—Remagen (Baritone) and Erna Eckhardt (Pianoforte). DEUTSCHLANDSENDER, 10.0—News. 10.15—"The Flight to

Death"—Play about Amundsen. 10.50—For Children. FRANKFURT, 10.0—News. 10.15—For Schools. 10.45—For Women. HAMBURG, 10.50—News. HILVERSUM, 10.0—Records. 10.40—Service. 10.55—Records: Sacred Music. HUIZEN, 10.40—Records. KÖNIGSBERG, 10.40—News. LEIPZIG, 10.0—Exchange; Announcements. 10.15—For Schools. PRAGUE, 10.0—News. 10.5—News (German). 10.10—Records. 10.15—Dance Music. STUTTGART, 10.15—French for Schools. 10.45—News.

11 a.m.

BRESLAU, 11.30—News. COLOGNE, 11.0—Baritone and Pianoforte (contd. from 10.45). 11.15—Announcements. DEUTSCHLANDSENDER, 11.0—For Children. 11.30—Talks. FRANKFURT, 11.0—Concert. 11.25—Exchange; Announcements. HAMBURG, 11.0-11.30—For Schools. HILVERSUM, 11.0—Records: Sacred Music. 11.10—Francis Keth Orchestra. 11.40—For Women. HUIZEN, 11.0—Records. 11.10—Concert. 11.40—Records. KALUNDBORG, 11.15-11.45—For Schools. KÖNIGSBERG, 11.5-11.30—For Farmers. LEIPZIG, 11.0—Announcements. 11.30—News. MUNICH, 11.0—For Farmers. PARIS (Poste Parisien), 11.0—Exchange. PRAGUE, 11.0—Records. 11.5—Music; Songs; Poetry; Records. STUTTGART, 11.0—Records. TURIN, 11.30—Quintet.

12 noon

BERLIN, 12.0—See Leipzig. BEROMÜNSTER, 12.0—Orchestra. BRESLAU, 12.0—Orchestra. BRUSSELS (No. 1), 12.0—Records. 12.30—Light Orchestral Music. Mme. Darney (Songs). BRUSSELS (No. 2), 12.0—Alexys Orchestra. BUCHAREST, 12.3—Orchestra. 12.45—Amusement Guide; Exchange. BUDAPEST, (No. 1), 12.5—Orchestra. COLOGNE, 12.0—Orchestra.

DEUTSCHLANDSENDER, 12.0—See Leipzig. FRANKFURT, 12.0—See Leipzig. HAMBURG, 12.0—Shipping. 12.10—See 12.0 Leipzig. HILVERSUM, 12.0—For Women. 12.10—Orchestra. HUIZEN, 12.0—Records. 12.10—Religious Address. 12.40—Police Notes. 12.45—Records. KALUNDBORG, 12.1—Bendix String Ensemble. KÖNIGSBERG, 12.0—See Leipzig. LEIPZIG, 12.0—Leipzig Symphony Orchestra and Soloists. Conductor: Blumer. MONTE CENERI, 12.0—Light Music 12.55—News. MUNICH, 12.0—See Leipzig. PARIS (Poste Parisien), 12.0—Exchange. 12.5—Records. 12.25—Interlude; Interview. 12.35—New Records. PARIS (Radio-Paris), 12.15—Kretly Orchestra. French Music. PRAGUE, 12.0—For Farmers; Records. 12.25—News. 12.35—Orchestra. ROME, 12.30—Records. SOTTENS, 12.30—News. 12.40—Records. STUTTGART, 12.0—See Leipzig. TURIN, 12.0—Quintet. 12.45—News. VIENNA, 12.0—Vienna Symphony Orchestra. WARSAW, 12.5—Orchestra. 12.50—Talk. 12.55—News.

1 p.m.

ATHLONE, 1.30—Weather; Stocks; Records. BERLIN, 1.0—Midday Echoes. 1.15—See 12.0 Leipzig. BEROMÜNSTER, 1.0—Orchestra. 1.25—Exchange. BRESLAU, 1.0—News. 1.15—Orchestra. BRUSSELS (No. 1), 1.30—Records. BRUSSELS (No. 2), 1.0—News. 1.10—Alexys Orchestra. BUCHAREST, 1.0—Records. 1.15—News. 1.40—Records. BUDAPEST (No. 1), 1.15—Greetings from the International Fair. COLOGNE, 1.0—News. DEUTSCHLANDSENDER, 1.0—News. 1.15—See 12.0 Leipzig. FRANKFURT, 1.0—News. 1.15—See 12.0 Leipzig. HAMBURG, 1.0—News. 1.15—See 12.0 Leipzig.

2 p.m.

ATHLONE, 2.0-2.30—Records. BERLIN, 2.0—News. 2.15—Orchestra. BRESLAU, 2.0—Announcements; Exchange; Records; Markets. COLOGNE, 2.0—Announcements. 2.15-2.45—Josefa Kastert (Violin), Zingel (Cello) and Grape (Pianoforte). DEUTSCHLANDSENDER, 2.0—Variety. 2.55—Announcements. FRANKFURT, 2.0—News. 2.15—Industrial Review. 2.30—Exchange. HAMBURG, 2.0—News. 2.20—Light Music. HILVERSUM, 2.0—Records. 2.10—Wireless Orchestra. HUIZEN, 2.0—K.R.O. Orchestra. 2.40—For Women. KÖNIGSBERG, 2.0—News. 2.30—Announcements; Records.

LEIPZIG, 2.0—News; Exchange 2.10-2.30—Book Review. MUNICH, 2.0—News; Exchange. PARIS (Poste Parisien), 2.0—Exchange. PRAGUE, 2.0-2.5—Exchange in German. ROME, 2.0—News; Exchange. 2.15—To be announced. STOCKHOLM, 2.0—Reading: (Katherine Mansfield). 2.20—Stig Ribbing (Pianoforte). 2.40—Talk. TURIN, 2.0—Exchange; Records. 2.15-2.25—Exchange. VIENNA, 2.0—Records: Sonata in B flat (Mozart). 2.20—Announcements.

3 p.m.

BERLIN, 3.0-3.30—Exchange; Markets. BEROMÜNSTER, 3.30—Operetta Music. Radio Orchestra. Conductor: Gilbert. BRESLAU, 3.10—Käte Dalladat (Pianoforte). 3.35—Talk: The Hussites in Upper Silesia. COLOGNE, 3.0—Report from an Industrial Town. 3.10—Talk. 3.30—Exchange. 3.45—Talk. DEUTSCHLANDSENDER, 3.0—Exchange. 3.15—For Women. 3.40—Reading. FRANKFURT, 3.15—For Women. HAMBURG, 3.0—Exchange. 3.30—Brazilian Exchange. 3.40—Shipping. HILVERSUM, 3.0—A.V.R.O. Orchestra. 3.40—Dressmaking. HUIZEN, 3.0—For Women. KALUNDBORG, 3.0—Schumann and Mozart. Rigmor Krarup-Hansen (Pianoforte). 3.20—Nielsen String Ensemble. KÖNIGSBERG, 3.0—Markets. 3.10—For Children. 3.35—Talk. 3.45—For Girls. LEIPZIG, 3.20—For Women. 3.40—Exchange. MONTE CENERI, 3.15—For Schools. MUNICH, 3.0—For Women. 3.40—The Story of the Bavarian Beer War. PARIS (Poste Parisien), 3.15 and 3.45—Exchange. PARIS (Radio-Paris), 3.45—Exchange. PRAGUE, 3.45—Exchange. 3.55—Orchestra. VIENNA, 3.0—Markets. 3.20—For Women. 3.35—Talk. 3.40—Mandoline. WARSAW, 3.35—Exchange. 3.45—Chamber Orchestra.

TUESDAY May 7

4 p.m.

BERLIN, 4.0—Dances from 1800 to 1900... BEROMÜNSTER, 4.0—See Sottens. BRESLAU, 4.0—Boys at the Microphone... BRUSSELS (No. 1), 4.55—News. COLOGNE, 4.0—Hedwig Wiemer-Pähler (Mezzo-Soprano), Kunkel (Violin) and Haass (Pianoforte)...

5 p.m.

BERLIN, 5.0—See Königsberg. BEROMÜNSTER, 5.0—See Sottens. BRATISLAVA, 5.50—Talk in Hungarian... BRESLAU, 5.0—See Königsberg. BRNO, 5.0—Provažnik (Pianoforte)...

German Song

Henny Wolf (Soprano). FRANKFURT, 5.0—See Königsberg. HILVERSUM, 5.0—Records. 5.10—Children's Choir. 5.40—Tales for Children. HUIZEN, 5.0—Pianoforte. 5.55—Records...

OSLO, 5.0—Orchestra. PARIS (PTT), 5.0—Lecture from the Sorbonne... PRAGUE, 5.0—Records. 5.10—Talk. 5.20—Records. 5.25—German. 5.40—Russian Songs. ROME, 5.5—Music Talk. 5.30—Light Music...

6 p.m.

ATHLONE, 6.0—For Children. 6.45—News. BERLIN, 6.0—See 5.0 Königsberg. 6.30—"Maytime"—a Microphone Tour. BEROMÜNSTER, 6.0—Love Song Records...

KÖNIGSBERG, 6.0—Orchestra (contd. from 5.0). 6.30—Markets. 6.40—Discussion. LEIPZIG, 6.0—See 5.0 Königsberg. 6.30—Talk: Till Eulenspiegel. 6.50—"Der Wanderer"—Poem (Hölderlin)...

Sketch. 6.30—Announcements. 6.45—Xylophone and Guitar Records. 7 p.m.

ATHLONE, 7.0—Talk in Irish by A. O'Muinneachain. 7.15—German by Olga von Wenckstern. 7.30—Station Orchestra. Nora Hill (Soprano). BERLIN, 7.0—Handel, Schleifer (Oboe) and Bittner (Harpischord)...

JUAN-LES-PINS (Radio Côte d'Azur), 7.15—Impressions d'Italie (Charpentier). Station Orchestra. 7.40—For Farmers. 7.45—Topical Talk. 7.50—English.

Lute Music

by Neemann. LAHTI, 7.0—Recitations. 7.10—



[By courtesy of the German Railways Bureau

The Leipzig programme at 7.0 p.m. carries listeners through towns on the Saale, ending at Jena, of which a corner is seen here with a group of students in corps caps

BEROMÜNSTER, 7.0—Announcements. 7.5—An Unemployed Man at the Microphone. 7.20—French. 7.50—Radio Orchestra. Conductor: Gilbert. BRATISLAVA, 7.10—Dance Music. 7.40—Talk with Records: Slovak Folk Songs. BRESLAU, 7.0—Old-Time Dances. Station Dance Band. BRNO, 7.10—Record. 7.15—French. 7.30—Topical Sketch. BRUSSELS (No. 1), 7.0—Talk. 7.15—Records: Till Eulenspiegel's Merry Pranks (Strauss). 7.30—Sports Notes. BRUSSELS (No. 2), 7.0—Records: "Falstaff" (Verdi). 7.30—For Women. BUCHAREST, 7.0—Talk. 7.20—Records. 7.45—Talk. BUDAPEST (No. 1), 7.0—Hungarian Songs (contd. from 6.40). 7.40—Dramatic Programme. BUDAPEST (No. 2), 7.0—For Farmers. 7.20—Vajsz (Violin). 7.55—Talk. COLOGNE, 7.0—New Martial Songs by Boys. 7.30—To be announced. 7.50—Snapshots. DEUTSCHLANDSENDER, 7.0—See Hamburg. FRANKFURT, 7.0—Orchestra. Conductor: Schmidt. March (Hellmann). Overture, "William Tell" (Rossini). Im schönen Tal der Isar (Löhrl). Der Spielmann (Hildach). Viennese Potpourri (Hruby). Dynamiden-Walzer (Jos. Strauss). Hungarian March (Füeckl). HAMBURG, 7.0—Station Dance Band and Soloists. Conductor: Gebhardt. HILVERSUM, 7.0—Kovacs Lajos and his Orchestra. 7.10—Talk by J. van Dantzig, Banker: The Crisis, Gold and Rates of Exchange. 7.40—Espéranto Talk. HUIZEN, 7.0—K.R.O. Boys. 7.20—Espéranto. 7.40—Police Notes. 7.55—Talk.

Songs. 7.30—Hungarian Music. Station Orchestra. Conductor: Haapanen, de Machula (Cello). LEIPZIG, 7.0—"Our Home-Towns," a microphone journey (Schellhas-Hubricht). LYONS (La Doua), 7.30—Variety. MONTE CENERI, 7.15—Medical Talk. 7.30—Luigina Pasquin (Pianoforte). Minuet (Maffioletti). Waltz in G flat (Chopin). Scherzo in C minor (Chopin). 7.45—News. MORAVSKÁ-OSTRAVA, 7.35—"The Cricket on the Hearth"—Opera in Three Acts (Goldmark). MOSCOW (No. 1), 7.0—Choir; Orchestra; Soloists. MUNICH, 7.0—An Appeal to Youth. 7.5—Topical Talk. 7.20—Zither. 7.40—Talk: The New Nationalist Philosophy. OSLO, 7.0—News. 7.30—Songs. PARIS (Eiffel Tower), 7.0—News. Talk. PARIS (Poste Parisien), 7.2—Record; Sports. 7.10—News. 7.15—Announcements. 7.28—Legal Review. 7.35—Variety, with Sacha Guitry. PARIS (PTT), 7.0—News: Reviews. 7.45—Science. 7.53—Talk. PARIS (Radio-Paris), 7.5—Shipping. 7.20—Talk: The Paris of Yesterday. 7.35—Talk: The Poems of Pierre de Nolhac. 7.50—Review of Humorous Periodicals. PRAGUE, 7.0—News. 7.10—"Love"—Sketch with Songs (Jurist). RADIO-NORMANDIE, 7.0—Music. ROME, 7.0—News in Foreign Languages. SOTTENS, 7.0—Chess. 7.10—Science Talk. 7.40—News. STOCKHOLM, 7.0—Talk (contd. from 6.45). 7.15—News. 7.30—Talk: Headaches. STRASBOURG, 7.0—Orchestra (contd. from 6.30). 7.30—News. 7.45—Records. STUTTGART, 7.0—Marcelle Bächthold (Pianoforte) and Müller

(Cello). Symphonic Variations (Boëllmann). Scherzo (van Goens). Minuet (Becker). Polonaise brillante (Chopin). 7.30—"Frederick the Great"—Sequence with Music by the King (Eyb). TOULOUSE (Radio-Toulouse), 7.0—Duets. 7.20—Music. 7.30—News. 7.45—Light Music. TURIN, 7.0—News in Foreign Languages. VIENNA, 7.0—News. 7.30—To be announced. WARSAW, 7.0—Announcements. 7.35—Walentyńczyk (Pianoforte). Two Preludes (Wertheim). Nocturne (Marczewski). Play of the Waves (Rózycki). 7.50—Reading.

8 p.m.

ATHLONE, 8.0—Orchestra; Soprano (contd. from 7.31). BARCELONA, 8.0—Records. 8.15—Report of the Opening of Parliament. 8.30—Talk in Catalan: Imaginary Travels. 8.45—Exchange. BERLIN, 8.0—News. 8.15—See Frankfurt. BEROMÜNSTER, 8.0—Orchestra. 8.10—Discussion: Industrial Experiments. BORDEAUX-LAFAYETTE, 8.0—Topical Talk. 8.15—News. 8.30—

Bordeaux Composers

Concert from the Grand Théâtre. Choirs and Orchestra. Conductor: Gayral. Jeanne Bonavia (Soprano) and Balbon (Bass). Part I—Prelude, "Combat de l'Idéal" (Tournemire). Naïade au soir (Samazeuilh). Soprano and Orchestra: Le cercle des heures (Samazeuilh). Five Pieces on Basque and Spanish Themes, for Soprano and Orchestra (Laparra): (a) Vous pleurez en filant, (b) En Décembre, (c) L'homme de Bidarraï, (d) Sevillanas, (e) A la corrida. Ritmos españoles (Laparra): (a) Tientos, (b) Sevillanas, (c) Trianeras, (d) Flamencas, (e) Abolorios, (f) Caesera. Two Symphonic Fragments, "Orphée" (Ducasse). Sarabande for Choirs and Orchestra (Ducasse). Part II—Poemes Franciscains for Soloists, Choirs and Orchestra (Ermenegon-Bagnal). Conductor: The Composer.

BRATISLAVA, 8.0-8.30—Orchestra. BRESLAU, 8.0—News. 8.15—See Frankfurt. BRNO, 8.0—Orchestra. BRUSSELS (No. 1), 8.0—Orchestra. March (Sousa). Waltz Suite, Nuit d'Été (Vaulet). Overture, "Gri-Gri" (Lincke). Paraphrase on the Meditation from "Thais" (Masse- net). 8.30—Cabaret. BRUSSELS (No. 2), 8.0—Concert from the Exhibition. Radio Orchestra. Conductor: Doulez. Moskowa (Leemans). Austrian Peasant Dances (Pachernegg). Negro Dance (Nielsen). Spanish Dances (Laparra). 8.30—"Tanzsprache"—Play (zur Mühlen). Music by Doulez. Radio Orchestra and Soloists, the Composer conducting. BUCHAREST, 8.0—Announcements. 8.5—Radio Orchestra. Conductor: Rogalski. Ily Wechsler (Pianoforte). Suite, Heitere Spiele (Blumer). Pianoforte Concerto (Tchaikovsky). Two Caprices (Rogalski). Symphony in C (Wagner). Academic Festival Overture (Brahms). BUDAPEST (No. 1), 8.0—Dramatic Programme. BUDAPEST (No. 2), 8.0—Talk. 8.30—News. 8.50—Matuska (Songs). COLOGNE, 8.0—Announcements. 8.15—See Frankfurt. DEUTSCHLANDSENDER, 8.0—Motto; News. 8.15—See Frankfurt. FRANKFURT, 8.0—News. 8.15—

"Spring"

—Sequence (Schnack), with Music by Voelkel. Conductor: Hess. HAMBURG, 8.0—News. 8.15—See Frankfurt. HILVERSUM, 8.0—Records. 8.40—News. 8.45—A.V.R.O. Orchestra. Conductor: Treep. March, Alte Kamaraden (Teike). Waltz Potpourri (Robrecht). Record of Grace Moore (Soprano). Aubade (Lacôme). Fantasia on "Grün ist die Heide" (Blume-Lüling). Records. Potpourri (Morena). Records of Raie da Costa (Pianoforte), Billy Cotton and his Band, and Tauber (Tenor). Violin Solo (Kéler-Béla). Comedy Overture (Kéler-Béla). HUIZEN, 8.0—Talk. 8.15—Records. 8.40—News. 8.45—Records. 8.55—

Mengelberg Jubilee Concert

for his Fortieth Anniversary as Conductor. The Concertgebouw Orchestra from the Concertgebouw-Amsterdam. The Harlem Madrigal

8 p.m. (contd.)

Society. Else Rijkens (Soprano) and Loevensohn (Cello). First Symphony (Oterloo). Tragic Chorus, Hierusalem verwoest (Dresden). Prologus brevis (Gilsle). Lyric Suite (Enthoven). Poem (Bosmans). Auxev de Phédre (Wagenaar). Overture, "De getemde feeks" (Wagenaar).

JUAN-LES-PINS (Radio Côte d'Azur), 8.0—News; Exchange. 8.15—Orchestra.

KALUNDBORG, 8.1—Radio Orchestra. Conductor: Gröndahl. The Liberty Bell (Sousa). Overture, "Le Maçon" (Auber). Waltz, "The Merry Peasant" (Fall). Love Sonnets (Gade). Excerpts, "Les Cloches de Corneville" (Planquette). Galop (Lincke). 8.40—Brage Choir. Conductor: Gyldmark. Soloist: Kai Fossing. Dansk Forsaarslandskab (Glass). I Seraillets Have (Gyldmark). Hymn till Polarmatten (Röling). Two Songs (Peterson-Berger). Love Song (de la Halle). Wiegeliend (Brahms). Sandmännchen (Brahms).

KÖNIGSBERG, 8.0—News. 8.15—See Frankfurt.

LAHTI, 8.0—Hungarian Music (contd. from 7.30). 8.45—News.

LEIPZIG, 8.0—News. 8.15—See Frankfurt.

LYONS (La Doua), 8.0—Medical Talk. 8.10—Talk: Poultry-Keeping. 8.20—Fantasies (Marcellus). 8.30—See Bordeaux-Lafayette.

MADRID (EAJ7), 8.0—For Farmers. 8.15—Sextet. 8.45—Blanquita Pereira (Songs).

MONTE CENERI, 8.0—Records: "Manon Lescaut"—Opera (Puccini). 8.50—See Rome.

MORAVSKÁ-OSTRAVA, 8.0—"The Cricket on the Hearth"—Opera (Goldmark) (contd. from 7.35).

MOSCOW (No. 1), 8.0—Choir; Orchestra; Soloists.

MUNICH, 8.0—News. 8.15—See Frankfurt.

OSLO, 8.0—Talk. 8.30—Station Orchestra. Conductor: Kramm. Norwegian Overture (Hansen). Suite Bucolica (Erikson). Scandinavian Lyric (Palmgren). Variations on a Gottlieb Theme (Höberg). Marche grotesque (Sinding).

PARIS (Eiffel Tower), 8.0—Political Review. 8.30—Barrichonne and Bourbon Songs. Air de vieille (Gueniffey). Joli soldat (Martel). Bourbon Songs: (a) La bergère et le monsieur. (b) Les gas d'Pouzy. (c) Quand j'allais voir ma maîtresse. Songs (Martel): (a) Et pis pas plus. (b) Le volutier. (c) Parisien d'occasion. Y a trois gas (Martel). Air de vieille (Gueniffey).

PARIS (Poste Parisien), 8.0—Variety, with Sacha Guitry. 8.5—Interlude. 8.10—Exchange. 8.20—Lehár. Conductor: The Composer. Soloists: Thill, Gerorgette Simon, and Cecelia Navarre. Overture, "Gipsy Love." Selection, "The Song of Happiness." "Czardas and Song, "Where the Lark Sings." Overture, "Eva." Song, "Paganini." Ballet Music, "The Czarevitch." Song, "Where the Lark Sings." Finale, Act 1, "Giuditta." Rumba, "The Song of Happiness." Waltz, Gold and Silver. You Are My Heart's Delight. "The Land of Smiles." Song, "The Merry Widow." 8.50—Interlude; —Exchange.

PARIS (PTT), 8.0—Italian Folk Songs by Marcelle del Fiore. Neapolitan Song, Marinaresca (Bossi). Fra La Vo (Sadero). Comu Quanu Tira Ventu (Sadero). La Carolina. Che peca (Hahn). Tarantella (Leonardi). 8.30—See Bordeaux-Lafayette.

PARIS (Radio-Paris), 8.0—Reading (Jules Valies). 8.30—

"Napoléon Unique" —Play (Raynal), from the Comédie Française. In the Intervals: Press Review; News.

PRAGUE, 8.0—Orchestra. 8.30—Talk: "The End of the Lusitania." 8.55—"L'Histoire du Soldat" (Stravinsky). Orchestra and Soloists. Conductor: Ancerl.

RADIO-NORMANDIE, 8.0—Talk. 8.15—Music. 8.30—Topical Talk. 8.45—Concert.

ROME, 8.0—News (English). 8.10—Records. 8.30—News. 8.40—Talk. 8.50—Scarlati. Conductor: Casella (Pianoforte). Maria Teresa Pediconi (Soprano). Toccata, Bourrée and Gigue (arr. Casella). Four Arias, with Harpsichord Accompaniment. Scarlattiana, for Pianoforte and Orchestra (arr. Casella).

SOTTENS, 8.0—Contemporary Chamber Music. Sonata for Horn,

Trumpet and Trombone (Poulenc). Serenade for Violin, Clarinet and Bassoon (Markiewitch). 8.20—Talk: The History of the Symphony—The Russian School. 8.50—See Rome.

STOCKHOLM, 8.0—Military Band. Conductor: Widner. March (Lindvall). Overture, "Marco Spada" (Auber). Selection, "Lakmé" (Delibes). Norwegian Artists' Carnival (Svendsen). Sven i Luthagen (Sköld). American Dance (Peterson-Berger). March, The Unknown Soldier (Nordensvan).

STRASBOURG, 8.0—News (German). 8.30—See Bordeaux-Lafayette. News.

STUTTART, 8.0—News. 8.15—See Frankfurt.

TOULOUSE (Radio-Toulouse), 8.0—Selection, "La Fille de Madame Angot" (Lecocq). 8.15—Viennese Orchestra. 8.30—Operetta Music. Airs, "Les Mousquetaires au Couvent" (Varney), "Surcouf" (Planquette), "Moineau" (Beydts), "The Count of Luxembourg" (Lehár), "La vie parisienne" (Offenbach).

TURIN, 8.0—To be announced. 8.30 News. 8.40—Talk. 8.50—See Rome.

VIENNA, 8.0—Folk Songs. German Folk Song Society Choir of Vienna. 8.50—See Rome.

WARSAW, 8.0—Sound-Film Music. 8.45—News. 8.55—Talk: Life in Poland.

9 p.m.

ATHLONE, 9.0—To be announced. 9.15—Lilian Conolly (Pianoforte). 9.30—Variety.

BARCELONA, 9.0—Sports Notes: Request Records. 9.30—Press Review. 9.45—Announcements. 9.55—Markets.

BERLIN, 9.0—"Flashlight Photos and Snapshots"—Sequence (Albrecht) with Music by Wily Hahn.

BERMUNSTER, 9.0—News. 9.10—"The Crafts in Music." Radio Orchestra. Conductor: Gilbert Wagner (Bass-Baritone).

BORDEAUX-LAFAYETTE, 9.0—Concert (contd. from 8.30).

BRESLAU, 9.0—"An Expedition to Japan"—Sequence (Flam). 9.15—Orchestra.—Durand (Songs). Segers (Accordion). Gilman (Flute). Strauss Popourri (Weber). Selection, "The Desert Song" (Romborg). Czurka-Czardas for Accordion and Orchestra (Dormoy). L'Étoile de la paix for Flute (Closset). Suite, Japonica (Popy). Marching Song (Florendas).

BRUSSELS (No. 2), 9.0—"Tanzgespräche"—Play with Music (contd. from 8.30). 9.30—Concert from the Exhibition. Radio Orchestra. Conductor: Douliez. Kleiner Wiener Marsch (Kreisler). An der schönen grünen Narenta (Komzak). Joyeuse marche (Chabrier). Dances, "The Battered Bride" (Smetana). Excerpts, "Milenka" (Blockx).

BUCHAREST, 9.0—Talk. 9.15—Orchestra (contd. from 8.5).

BUDAPEST (No. 1), 9.5—Budapest Concert Orchestra. Conductor: Vasy. Overture, "William Tell" (Rossini). Suite No. 1, "L'Arlesienne" (Bizet). Valse triste (Vescey). Canzonetta (D'Ambrosio). Pieces (Strauss): (a) Overture, "The Gipsy Baron". (b) Kaiser-Walzer. (c) Tritsch-Tratsch. 9.45—News.

BUDAPEST (No. 2), 9.0—Songs.

COLOGNE, 9.0—Bach. Station Orchestra. Conductor: Buschköter. Milli Engelmänn-Gillrath (Soprano). Fischer (Bass). Brandenburg Concerto No. 3 in G. The Peasant Cantata, for Soprano and Bass. Orchestral Suite No. 2 in B minor.

DEUTSCHLANDSENDER, 9.0—See Leipzig.

FRANKFURT, 9.0—See Leipzig.

HAMBURG, 9.0—Talk by Robert Nihil: Life behind the Footlights. 9.25—Sonata in G (Brahms) by Kulenkampf (Violin) and Kempff (Pianoforte).

HILVERSUM, 9.0—A.V.R.O. Orchestra, with Records (contd. from 8.45).

HUIZEN, Mengelberg Jubilee, 9.55—Erika Rokytka (Songs) with the "Zlicher" Quartet.

JUAN-LES-PINS (Radio Côte d'Azur), 9.0—News. 9.15—Orchestra.

KALUNDBORG, 9.5—"The Flood-tide comes"—Play (Ohlischlaeger). 9.40—Records. 9.55—News.

KÖNIGSBERG, 9.0—Station Orchestra. Conductor: Wilcken. March (Schmitt). Ballet Suite

(Gyldmark). Overture, "Le Maçon" (Auber). Waltz, Königskinder (Löhrr). Stimmung (Prihoda). Canzonetta (D'Ambrosio). Excerpts, "The Merry Widow" (Lehár). March (Büttner).

LAHTI, 9.0—News in Swedish

LEIPZIG, 9.0—Station Orchestra. Conductor: Weber. Overture, "Die beiden Husaren" (Doppler). Movement, Serenade in G (Fielder). Excerpts, "Rigoletto" (Verdi). Slav Dance No. 8 (Dvořák). Gräfin Pepi Walzer (Strauss). Excerpts, "Paganini" (Lehár).

LYONS (La Doua), 9.0—See 8.30 Bordeaux-Lafayette.

MADRID (EAJ7), 9.0—Songs. 9.15—News. 9.30—José Angerri (Baritone).

MONTE CENERI, 9.0—See 8.50 Rome. 9.30—Dance Song Records.

MORAVSKÁ-OSTRAVA, 9.0—"The Cricket on the Hearth"—Opera (Goldmark) (contd. from 7.35).

MOSCOW (No. 1), 9.0—German Programme: (a) For Farmers, (b) Letter-Box, (c) Technical Talk. 9.55—Kremlin Chimes.

MUNICH, 9.0—Station Orchestra. Conductor: List. Adelheid Holz (Soprano), Annemarie Heyne (Pianoforte). Symphonic-Poem, The Moldau (Smetana). Two Songs for Soprano and Orchestra (Schubert): (a) Die junge Nonne, (b) Sulejka's Gesang. Pianoforte Concerto in F minor (Weber). Noctettes (Gade). Three Songs for Soprano and Orchestra (Strauss): (a) Waldseligkeit, (b) Morgen-Ständchen. Overture, "Phédre" (Massenet).

OSLO, 9.0—Orchestra (contd. from 8.30). 9.40—News.

PARIS (Eiffel Tower), 9.0—Songs (contd. from 8.30). 9.15—News. 9.20—

Old Chamber Music

—Yvon Le Marc'Hadour (Songs), Mme. Claude Crussard (Pianoforte), Yvonne Thibout (Cello), Jean Godard (Violin), Ortman-Bach (Violin) and Suzanne Meynieu (Viola). Marie-Ange Rivain (Commentary). "Harmonische Freude," for Voice and Strings (Erlbach). Three Airs for Voice and Strings (Krieger). Two Pieces for Strings (Schmeltzer): (a) Lamento, (b) Pastorella.

PARIS (Poste Parisien), 9.0—Interlude. 9.5—Lehár (contd. from 8.20). 9.45—Interlude.

PARIS (PTT), 9.0—See 8.30 Bordeaux-Lafayette.

PARIS (Radio-Paris), 9.0—"Napoléon Unique"—Play (Raynal) (contd. from 8.30). In the Interval: Review by Marcel Berger.

PRAGUE, 9.0—"L'histoire du Soldat" (Stravinsky) (contd. from 8.55).

RADIO-NORMANDIE, 9.0—Concert.

REYKJAVIK, 9.0—Music. 9.50—Announcements.

ROME, 9.0—Scarlati (contd. from 8.50). 9.40—Talk. 9.55—Mandoline Quartet.

SOTTENS, 9.0—See 8.50 Rome. 9.30—News. 9.40—Band Concert.

STOCKHOLM, 9.0—Literary Review. 9.30—Sports Notes. 9.45—News.

STRASBOURG, 9.0—See 8.30 Bordeaux-Lafayette.

STUTTART, 9.0—"Beware of the Curve"—Play (Schwerla).

TOULOUSE (Radio-Toulouse), 9.0—"A Ball in 1935"—Fantasy. 9.40—Orchestra. 9.45—Concert Version, "Le Grand Mogol"—Opera (Audran).

TURIN, 9.0—See 8.50 Rome. 9.40—Talk. 9.55—Variety.

VIENNA, 9.0—See 8.50 Rome. 9.30—Reading.

WARSAW, 9.0—Station Symphony Orchestra. Conductor: Latowzski. Carnival Overture (Dvořák). Slovak Suite (Novák). Polka and Fugue (Weinberger). Overture, "The Legend of the Baltic" (Nowowiejski).

10 p.m.

ATHLONE, 10.0—Variety. 10.30—News. 10.40—Dance Music.

BARCELONA, 10.0—Chimes; Amateurs at the Microphone. 10.5—Variety. 10.35—Suite (Buxó) by the Station Orchestra.

BERLIN, 10.0—News. 10.20—Talk: Foreign Criticisms of German Sports Events. 10.40—

Bach Station Orchestra. Conductor:

Frickhoeffter. Max von Pauer (Pianoforte) Pianoforte Concerto in F minor. Brandenburg Concerto No. 3 in G.

BERMUNSTER, 10.0—"The Crafts in Music" (contd. from 9.10).

BORDEAUX-LAFAYETTE, 10.0—Concert (contd. from 8.30).

BRATISLAVA, 10.15—News in Hungarian. 10.30-10.45—Records.

BRESLAU, 10.0—News. 10.30—See Munich.

BRUSSELS (No. 1), 10.0—News. 10.10—Request Records.

BRUSSELS (No. 2), 10.0—News. 10.10—Concert from the Exhibition.

BUCHAREST, 10.0—News. 10.5—Light Music.

BUDAPEST (No. 1), 10.0—Orchestra (contd. from 9.5). 10.25—Talk in German. 10.40—Orchestra.

COLOGNE, 10.0—News. 10.20—Shorthand. 10.35—Italian. 10.45—English.

DEUTSCHLANDSENDER, 10.0—News.

FRANKFURT, 10.0—News. 10.30—Folk Songs.

HAMBURG, 10.0—News. 10.25—Light Music.

HILVERSUM, 10.0—Three Versions of the Fairy Tale, "Tom Thumb." 10.10—Light Music by Kovacs Lajos and his Band. 10.40—Sketch from a Revue. 10.50—Dance Music by the A.V.R.O. Decibels. Conductor: Eddy Meenk.

HUIZEN, 10.0—Erika Rokytka (Songs) with the Zlicher Quartet. 10.25—Dutch Musical Festival Concert (contd. from 8.55).

KALUNDBORG, 10.0—News. 10.10—Hans Andersen Tales in Danish Music. Radio Orchestra. Conductor: Gröndahl. Overture, "The Little Match Girl" (Enna). Excerpt "Elverhøj" (Glass). Excerpt, "The Little Mermaid" (Henriques). Concert Overture, Klods Hans (Rii-sager).

KÖNIGSBERG, 10.0—News. 10.15—Political Press Review. 10.30—See Munich.

LEIPZIG, 10.0—News. 10.20—Bach—Bosoni. Frieda Langenforf-Tränkner (Pianoforte). Organ Prelude and Fugue in E flat. Organ Toccata in D minor. 10.50—Dance Music.

LYONS (La Doua), 10.0—See 8.30 Bordeaux-Lafayette.

MADRID (EAJ7), 10.0—Baritone. 10.30—Portuguese Songs, Antonio Samyl.

MOSCOW (No. 1), 10.5—French Programme: (a) Talk: The Liberty of the Press under the Proletariat Dictatorship, (b) Workers' Delegates at the Microphone.

MUNICH, 10.0—News; Exchange; Sports. 10.20—To be announced. 10.30—Light Music. The Small Station Orchestra, the Station Schrammel Quartet, Patzak (Tenor) and Marie Roland (Yodeler).

OSLO, 10.0—Topical Tall. 10.15-10.45—Songs.

PARIS (Poste Parisien), 10.0—For Girls. 10.30—Variety (Records).

PARIS (PTT), 10.0—See 8.30 Bordeaux-Lafayette. 10.30—News.

PRAGUE, 10.0—News. 10.15—Records. 10.30—News (English).

RADIO-NORMANDIE, 10.0—Concert.

REYKJAVIK, 10.0—News. 10.30—Reading.

ROME, 10.0—Mandoline Quartet. 10.30—Orchestra.

SOTTENS, 10.0—Band. 10.10-10.20—Request Records.

STOCKHOLM, 10.0—"Moralitet vid en stenkröss"—Play (Henriksson).

STRASBOURG, 10.0—See 8.30 Bordeaux-Lafayette. 10.30—News.

STUTTART, 10.0—News. 10.30—See Munich.

TOULOUSE (Radio-Toulouse), 10.0—"Le Grand Mogol" (contd. from 9.45). 10.20—Light Music. 10.30—News. 10.45—Sound-Film Music.

TURIN, 10.0—Variety. 10.30—Orchestra.

VIENNA, 10.0—News. 10.10—Report of the Football Match Rapid v. Manchester City. 10.15—Marches and Waltzes. Vienna Symphony Orchestra. Conductor: Holzer.

WARSAW, 10.0—Serenade for Violin, Cello, Pftc. (Tansman). 10.30—Discussion with Listeners. 10.45—Dance Records.

11 p.m.

BARCELONA, 11.0 Parliamentary Report: News. 11.15—Aurelia Solé i Pla (Cello). Sonata in G (Sammartini). Arioso (Bach).

TUESDAY May 7

Adagio (Grazioli). Allegro spiritoso (Senallié).

BERLIN, 11.0—Bach (contd. from 10.40). 11.10—See 10.30 Munich.

BRESLAU, 11.0—Ser 10.30 Munich.

BUDAPEST (No. 1), 11.0—Orchestra. 11.30—Simi Kurina Cigány Band.

DEUTSCHLANDSENDER, 11.0—See 10.30 Munich.

FRANKFURT, 11.0—See 10.30 Munich.

HAMBURG, 11.0-11.40—The Kreutzer Sonata (Beethoven), by Kulenkampf (Violin) and Kempff (Pianoforte).

HILVERSUM, 11.0—Dance Music (contd. from 10.50). 11.40—News. 11.50—Light Music. Lajos Kiss Orchestra from the Haeck Restaurant, The Hague. Ladislas Wigh (Songs).

HUIZEN, 11.0—Dutch Musical Festival Concert (contd. from 8.55). 11.25—News. 11.30—Light Music.

KALUNDBORG, 11.0—Juhl-Thomsen Dance Band.

KÖNIGSBERG, 11.0—See 10.30 Munich.

LEIPZIG, 11.0—Dance Music.

MADRID (EAJ7), 11.0—Chimes. 11.5—News. 11.15—Theatre Relay.

MOSCOW (No. 1), 11.5—Dutch Programme: (a) Workers' Delegates at the Microphone, (b) Press Review, (c) Letter-Box.

MUNICH, 11.0—Light Music (contd. from 10.30).

RADIO-NORMANDIE, 11.0—Orchestra. 11.30—Concert.

REYKJAVIK, 11.0—Tchaikovsky-Brahms.

ROME, 11.0—News.

STUTTART, 11.0—See 10.30 Munich.

TOULOUSE (Radio-Toulouse), 11.0—Popular Music. 11.15—Songs. 11.30—Soloists. 11.45—Opera Music. Arias, "Romeo and Juliet" (Gounod), "La Bohème" (Puccini), "Mignon" (Thomas), "Lakmé" (Delibes), "Manon" (Massenet).

TURIN, 11.0—News. 11.10—News (Spanish).

VIENNA, 11.0—Marches and Waltzes (contd. from 10.15). 11.15—Announcements. 11.30—Dance Music.

WARSAW, 11.5—Records.

12 midnight

BARCELONA, 12.0—Excerpts, "Coppélia" (Delibes) by the Station Orchestra. 12.30—Records.

FRANKFURT, 12.0—"Saarland"—Sequence (Laven).

HILVERSUM, 12.0-12.40—Light Music (contd. from 11.50).

HUIZEN, 12.0-12.40—Light Music.

KALUNDBORG, 12.0-12.30—Juhl-Thansen Dance Band.

LEIPZIG, 12.0-12.30—Dance Music.

MADRID (EAJ7), 12.0—Theatre Relay. 12.45—News.

RADIO-NORMANDIE, 12.0—Dance Music.

REYKJAVIK, 12.0—Dance Music.

STUTTART, 12.0—Bach and Beethoven Minuets by Giesen (Harpsichord and Pianoforte). 12.15—Orchestra. Conductor: Hoenea. Leonora Overture No. 3 (Beethoven). Concerto in D for Flute and Orchestra (Mozart). Symphony No. 40 in G minor (Mozart). Romantic Suite in Three Movements (Lauer).

TOULOUSE (Radio-Toulouse), 12.0—"Au Caveau de minuit"—Fantasy. 12.15—News. 12.20—Military Band. 12.30—News.

VIENNA, 12.0—Dance Music.

1 a.m. (Wednesday)

BARCELONA, 1.0—News.

FRANKFURT, 1.0—See 12.15 Stuttgart.

MADRID (EAJ7), 1.0—Theatre Relay.

RADIO-NORMANDIE, 1.0—News. 1.10—Dance Music.

STUTTART, 1.0—Orchestra (contd. from 12.15).

WEDNESDAY May 8

PRINCIPAL EVENTS

SYMPHONY CONCERTS

P.M.
 3.15 National: Bournemouth Orchestra.
 8.0 Brussels 2: De Boeck programme.
 8.45 Berlin: Mozart, Beethoven.
 8.45 Königsberg: Sinding Pfte. concerto.
 8.45 Stuttgart: 9th Symphony (Beethoven).
 9.30 Strasbourg: Schubert.
 12.0 Frankfurt, Stuttgart: Haydn, Handel, Bach.

LIGHT CONCERTS

12.15 Radio-Paris: Orchestra, songs.
 3.30 Kalundborg: Radio Orchestra.
 4.0 Deutschlandsender: Variety concert.
 5.0 Leipzig: Light orchestral.
 7.0 Munich: A Nürnberg programme.
 7.20 Vienna: Spring programme.
 8.0 Brussels 1: "Rhapsody in blue," etc.
 8.0 Kalundborg: Scandinavian music.
 8.0 Prague: Dvořák programme.
 8.0 Radio-Paris: Opera music.
 8.0 Stockholm: Orchestra.
 8.40 Brno, Prague: Ballet (Glazunov).
 8.45 Cologne: Contemporary music.
 8.50 Rome: Band; Italian music.
 9.20 Königsberg: "May" programme.
 9.40 Budapest 1: Cigány band.
 10.0 National: Orchestra.
 10.10 Brussels 2: From the Exhibition.
 10.10 Vienna: Orchestra, light music.
 10.15 Warsaw: Orchestra, Dance band.
 10.25 Huizen: Choir, men's voices.
 10.30 Strasbourg: Orchestra.
 10.50 Cologne, etc.: Light music.

OPERAS

8.45 Strasbourg: "Le diable galant" (Pierné).
 9.20 Kalundborg: "Tannhäuser." Acts 2, 3.

OPERETTAS

P.M.
 7.30 National: "The Desert Song."

CHAMBER MUSIC

7.0 Deutschlandsender: 'Cello, pfte. (Brahms).
 8.0 Bucharest 2: Violin, pfte. (Bossi).
 9.25 Eiffel Tower: 'Cello, pfte. (Ropartz).
 11.25 Hamburg: New music.

RECITALS

1.10 Huizen: Light organ music.
 4.0 Breslau: Wetz songs.
 4.40 Huizen: Soprano songs.
 5.0 Brussels 1: Organ, from the Exhibition.
 5.30 Vienna: Pfte. (Mozart, Brahms).
 6.30 Brussels 2: Song, pfte. (Puyseleyr).
 8.45 Eiffel Tower: French songs of to-day.
 9.0 Warsaw: Chopin.
 11.0 Hamburg: Brahms songs.

PLAYS

7.50 Beromünster: "Julius Caesar."
 8.5 Vienna: A Burlesque.
 8.30 Paris (PTT): "Le Sursaut" (Albert Jean).
 8.45 Leipzig: "Andre Hofer."
 8.50 Turin: "La Signorina Senza Motore."

TALK

8.35 Kalundborg: "Hans Andersen."

LANGUAGE LESSONS

6.15 Kalundborg: French; 6.30, Budapest 1: Italian; 6.45, Stockholm: German; 8.10, Rome, Turin: Italian for English beginners.

DANCE MUSIC

10.0 Stockholm; 10.30, Regional; 10.35, Radio-Paris; 10.50, Breslau; 11.0, Budapest 1, Munich, National; 11.5, Warsaw; 12.0, Radio-Normandie.

MISCELLANEOUS

6.50 Cologne: Germany v. Ireland (football).

NATIONAL

For Time Signals, see Monday

10.15 a.m. (Droitwich)—Service.
 10.30 (Droitwich)—Weather Forecast.
 10.45—"Maize in Nyasaland." F. Scott.
 11.0—Records.
 11.30—French Dialogue for Schools.
 11.45—Cinema Organ.
 12.30 p.m.—Charles Manning and his Orchestra.
 1.30—Organ (Ronald Chamberlain). Allegro, Andante tranquillo (on Themes of Orlando Gibbons) (Stanford). Choral Preludes (Parry). Romanza (Wolstenholme). Allegro maestoso (Sonata in B minor) (Chamberlain).
 2.0-3.20 (Scottish)—See Regional.
 2.5 (except Scottish)—For Schools: History. 2.30—English.
 2.50 (except Scottish)—Horace Fellowes String Quartet.
 3.15—Bournemouth Municipal Orchestra. Conductor, Richard Austin. Kendall Taylor (Pianoforte). Symphony No. 3 in F (Dvořák). Concerto No. 1, in E flat (Liszt). Danse sacrée, Danse profane (Debussy). Overture, Der Freischütz (Weber).
 4.45—The Western Studio Orchestra.
 5.15—The B.C.C. Dance Orchestra.
 6.0—"The First News."
 6.30—"Current Fiction." "Philemon."
 6.45—For Farmers Only: Professor J. A. Scott Watson.
 7.5—"The Foundations of Music." Bach Keyboard Music.
 7.30—Edith Day and Harry Welchman in "The Desert Song," a musical play. Music by Sigmund Romberg. Adaptation by Henrik Ege. Produced by John Watt.
 8.45—Mr. Murgatroyd and Mr. Winterbotham.
 9.0—"I've got to have Music," presented by Austen Croom-Johnson. All Orchestration by Eric Siday. The Singers: Elisabeth Welch, Dorothy Leigh, Pat O'Malley.
 9.30—"The Second News."
 10.0—B.C.C. Orchestra (Section D), conducted by Malcolm Sargent. Overture, Cockaigne (Elgar). A Song before Sunrise (Delius). Irish Rhapsody No. 1 (Stanford). Suite, The Sleeping Beauty (Tchaikovsky).
 11.0-12.0 (Droitwich)—Dance Music: Jack Jackson and his Band.
 11.0-11.45 (London)—Television.

REGIONAL

For Time Signals, see Monday

10.15-10.45 a.m. (except Midland)—Droitwich.
 10.45—The Scottish Studio Orchestra.
 11.45—Miscellaneous Records.
 12.30 p.m.—Variety Orchestra. Danny Malone (Tenor).
 1.30 (Scottish till 2.5)—Records.
 2.5 (Scottish)—For Schools; Interlude. 2.10—History. 2.35—Science. 3.0—Concert.
 2.15 (except Scottish)—Birmingham Hippodrome Orchestra.
 2.55 (except Scottish)—The Chester Cup. Running Commentary.
 3.20 (Scottish from 3.45)—J. H. Squire Celeste Octet.
 4.15—Jan Berenska and his Orchestra.
 5.15—The Children's Hour.
 6.0—"The First News."
 6.30 (except Scottish and Western)—Cinema Organ (Reginald Dixon).
 6.30 (Scottish)—Cinema Organ.
 6.30 (Western)—Studio Orchestra.
 7.0 (Regional)—Leslie Bridgewater Quintet. Kate Winter (Soprano).
 7.0 (Midland, Western)—"The Furry Dance."
 7.0 (Northern)—"St. George's Bells"—programme for Chester Cup Day.
 7.0 (Scottish)—Talk to Young Scots.
 7.0 (N. Ireland)—Frank Rea and his Orchestra. Shaftesbury Singers.
 7.10 (Scottish)—Glasgow Orpheus Choir. Jean Houston (Soprano); John Hannah (Baritone).
 7.30 (Midland)—"Masters of the King's Music." Peterborough Cathedral Choir. Midland Orchestra and Wireless Singers.
 7.30 (Western)—Drama in Wales—1.
 7.40 (Northern)—Northern Orchestra.
 7.45 (Regional, N. Ireland)—B.C.C. Orchestra (Section E). Stiles Allen (Soprano).
 7.50 (Scottish)—"Here awa, There awa." Microphone Meetings.
 8.0 (Scottish)—Variety.
 8.0 (Western)—Jack Collings (Bass). Port Isaac Choral Society.
 8.45—Famous Trials—6 (See Tuesday, National, 8.0 p.m.).
 9.30—Albert Sammons (Violin).
 10.0—News Summary.
 10.10 (Regional, N. Ireland)—Records.
 10.10 (Midland)—Angling Talk.
 10.10 (Northern)—Topical Talk.
 10.10 (Scottish)—Piping and Fiddling.
 10.15 (Western)—A Hithau'n Nos.
 10.30-12.0 (Midland till 11.0): Scottish—Western from 10.40)—Jack Jackson.

Hours of Transmission in British Summer Time

6 a.m.—8 a.m.

BERLIN, 6.20—Band. 8.0—Gym.
 8.35—Announcements.
 BRESLAU, 6.0—Band. 7.0—See 6.20 Berlin. 8.0—News.
 COLOGNE, 6.50—Hymn. 7.0—See 6.20 Berlin. 8.0—Gym. 8.15—Announcements.
 DEUTSCHLANDSENDER, 6.20—Orchestra.
 FRANKFURT, 7.0—See 6.20 Berlin. 8.10-8.30—Gym.
 HAMBURG, 6.0—Band. 6.45—Gym. 7.0—See 6.20 Berlin. 8.0—Announcements; Records.
 HILVERSUM, 8.40—Orchestra.
 HUIZEN, 8.40—Bible Reading; Meditation. 8.55—Records.
 KALUNDBORG, 7.0—Gym. 8.30—Service from Copenhagen-Cathedral.
 KÖNIGSBERG, 6.20—See Berlin. 8.0-8.10—Meditation. 8.30—Gym.
 LEIPZIG, 6.20—See Berlin. 8.0-8.20—Gym.
 MUNICH, 6.5—Band. 6.40—English. 7.0—See 6.20 Berlin. 8.0-8.20—Gym.
 PARIS (Poste Parisien), 7.10—Fanfare; Records; News.
 PARIS (Radio-Paris), 6.45—Gym. 7.0—Records. 7.15—Press Review; Weather. 7.45—Gym. 8.0—Weather; Records.
 PRAGUE, 6.0-7.30—Gym; Music; News.
 STUTTGART, 6.30—See 6.20 Berlin. 8.10—Gym. 8.30-8.45—Talk.
 TURIN, 8.0-8.15—News.

9 a.m.

BRESLAU, 9.0—Orchestra.
 HILVERSUM, 9.0—Orchestra. 9.40—Records.
 HUIZEN, 9.0—Records.
 KÖNIGSBERG, 9.5-9.45—Music Lesson.
 MUNICH, 9.35—Talk. 9.45—Announcements.
 PRAGUE, 9.35—Report for Police. 9.45—Press Review; Weather.

10 a.m.

BERLIN, 10.0—News. 10.15-10.45—History Talk.

BEROMÜNSTER, 10.20-10.50—"Anthony van Leeuwenhoek, the Bacteriologist"—Play for Schools.
 BRESLAU, 10.15-10.50—See Leipzig.
 BUDAPEST (No. 1), 10.20—Two Talks.
 COLOGNE, 10.0—News. 10.15—See Leipzig. 10.50—Announcements.
 DEUTSCHLANDSENDER, 10.0—News. 10.15—See Leipzig. 10.45—May Songs.
 FRANKFURT, 10.0—News. 10.15—Music Lesson for Schools. 10.45—Household Hints.
 HAMBURG, 10.15—See Leipzig. 10.50—News.
 HILVERSUM, 10.0—Records. 10.10—Dietetics. 10.40—Religious Programme. 10.55—Concert. V.A.R.A. Ensemble, the Ligtelijn Trio, Runge (Tenor), and Records.
 HUIZEN, 10.0-10.10—Records.
 LEIPZIG, 10.0—Announcements; Exchange. 10.15—Heinrich Schütz Choral Records. 10.55—Announcements.
 MUNICH, 10.15—Discussion: Vedic Gods and Old Indian Heroes.
 PRAGUE, 10.5—Press Review and Weather in German. 10.10—Water Level. 10.41—Record. 10.15—Orchestra. Conductor: Händl. 10.45—Talk.
 STUTTGART, 10.15—See Leipzig. 10.45—News.
 TURIN, 10.30-10.50—Songs and Choral Music for Schools.

11 a.m.

BRESLAU, 11.30—News.
 BUDAPEST, (No. 1), 11.0—Talks (contd. from 10.20). 11.15—Greetings from the International Fair.
 COLOGNE, 11.40—For Farmers.
 DEUTSCHLANDSENDER, 11.0—May Songs. 11.40—Talk.
 FRANKFURT, 11.0—Concert. 11.25—Announcements; Exchange.
 HAMBURG, 11.0-11.30—English Children's Songs.
 HILVERSUM, 11.0—Concert (contd. from 10.55).
 HUIZEN, 11.0—Religious Programme. 11.40—Records. 11.55—Mlle. Langeveld (Violin).
 KALUNDBORG, 11.0—Fish Prices. 11.15—For Schools.

12 noon

BERLIN, 12.0—See Breslau.
 BEROMÜNSTER, 12.0—Records. 12.29—News. 12.40—Records.
 BRESLAU, 12.0—Orchestras and Soloists.
 BRUSSELS (No. 1), 12.0—Records. 12.30—English Music. Radio Orchestra. Conductor: Douliez.
 BRUSSELS (No. 2), 12.0—Langlois Dance Band.
 BUCHAREST, 12.3—Records. 12.45—Amusement. Guide; Exchange.
 BUDAPEST (No. 1), 12.5—Gyula Kóczé Cigány Band. In the interval at 12.30: News.
 COLOGNE, 12.0—See Breslau.
 DEUTSCHLANDSENDER, 12.0—See Breslau.
 FRANKFURT, 12.0—See Breslau.
 HAMBURG, 12.0—Announcements. 12.10—See 12.0 Breslau.
 HILVERSUM, 12.0—Concert (contd. from 10.55). 12.40—Oboe and Pianoforte.
 HUIZEN, 12.0—Mlle. Langeveld (Violin). 12.40—Police Notes; Records.
 KALUNDBORG, 12.0—Chimes; Nielsen String Ensemble.
 KÖNIGSBERG, 12.0—See Breslau.
 LEIPZIG, 12.0—Band.
 MONTE CENERI, 12.0—Announcements; Light Music. 12.29—Weather. 12.33—Radio Orchestra. 12.55—News.
 MUNICH, 12.0—Station Orchestra. Conductor: Kloss.
 PARIS (Poste Parisien), 12.0—Exchange. 12.5—New Records. 12.25—Interlude; Interview. 12.35—New Records. 12.45—Station Jazz Band.
 PARIS (Radio-Paris), 12.0—Talk: Victor Hugo. 12.15—Orchestra, Songs. Conductor: Touche. Yvonne Forel (Songs). In the Interval at 12.45: Weather.

1 p.m.

ATHLONE, 1.30—Weather; Stocks; Records.
 BERLIN, 1.0—Midday Echoes. 1.15—See 12.0 Breslau.
 BEROMÜNSTER, 1.25—Weather; Exchange.
 BRESLAU, 1.0—Orchestras (contd. from 12.0).
 BRUSSELS (No. 1), 1.0—News. 1.10—Radio Orchestra. Conductor: Douliez. 1.30—Records.
 BRUSSELS (No. 2), 1.0—News. 1.10—Langlois Dance Band.
 BUCHAREST, 1.0—Records. 1.15—News. 1.40—Records.
 BUDAPEST (No. 1), 1.0—Kóczé Cigány Band. 1.10—Weather. 1.15—Greetings.
 BUDAPEST (No. 2), 1.20—Records.
 COLOGNE, 1.0—See 12.0 Breslau.
 DEUTSCHLANDSENDER, 1.0—See 12.0 Breslau. 1.45—News.
 FRANKFURT, 1.0—News. 1.15—See 12.0 Breslau.
 HAMBURG, 1.0—See 12.0 Breslau.
 HILVERSUM, 1.0—Orchestra. 1.30—Clarinet and Pianoforte. 1.40—Orchestra. Conductor: Walis.
 HUIZEN, 1.0—Records. 1.10—Light Organ Music.
 KALUNDBORG, 1.0—Nielsen String Ensemble.
 KÖNIGSBERG, 1.0—See 12.0 Breslau.
 LEIPZIG, 1.0—News. 1.15—Station Orchestra.
 MONTE CENERI, 1.5—Records. 1.15—Fashion Talk.
 MUNICH, 1.0—News. 1.15—Anny Rosenberger Quartet.
 OSLO, 1.0—Records. 1.45—Exchange; Records.

2 p.m.

ATHLONE, 2.0-2.30—Records.
 BERLIN, 2.0—News. 2.15—Instrumental.
 BRESLAU, 2.5—Exchange; Announcements. 2.35—Greetings. 2.40—Markets.
 BUDAPEST (No. 1), 2.40—News.
 COLOGNE, 2.0—Announcements. 2.15-2.30—Norwegian Folk Songs. 2.45—Genealogy.
 DEUTSCHLANDSENDER, 2.0—Variety. 2.55—Announcements.
 FRANKFURT, 2.0—News. 2.15—Talk: Handwork Exports. 2.30—Exchange.
 HAMBURG, 2.0—News. 2.20—Music.
 HILVERSUM, 2.0-2.25—Orchestra. 2.40—For Women.
 HUIZEN, 2.0—Organ. 2.10—Records. 2.55—Hendriks Trio.
 KÖNIGSBERG, 2.0—News. 2.30—Announcements; Records.
 LEIPZIG, 2.0-2.10—News; Exchange.
 MUNICH, 2.0-2.20—News; Exchange.
 PARIS (Poste Parisien), 2.0—Exchange.
 PRAGUE, 2.0—Exchange and Weather in German.
 STOCKHOLM, 2.0—Orchestra. 2.30—Reading. 2.45—Songs.
 TURIN, 2.0—Exchange; Records. 2.15-2.25—Exchange.

3 p.m.

BERLIN, 3.0-3.30.—Exchange; Markets.
BRESLAU, 3.10.—Book Review.
3.30.—For Children.
BUDAPEST (No. 1), 3.30.—Greetings.
COLOGNE, 3.0.—For Girls. 3.30.—Exchange. 3.50.—Topical Talk.
DEUTSCHLANDSENDER, 3.0.—Exchange. 3.15.—Girls at the Microphone: Going Down a Mine. 3.45.—Book Review.
FRANKFURT, 3.15.—Pianoforte Quartet in A minor (Schadewitz); Talk: Albert Weissgerber.
HAMBURG, 3.0.—Exchange. 3.30.—Brazilian Exchange. 3.40.—Shipping.
HILVERSUM, 3.0.—For Women. 3.40.—For Children.
HUIZEN, 3.0.—Hendriks Trio.
KALUNDBORG, 3.30.—Radio Orchestra. Conductor: Reesen. Sören Stein (Songs).
KÖNIGSBERG, 3.0.—Markets; Exchange. 3.10.—Household Hints. 3.20.—For Girls. 3.45.—Discussion: The Training of Teachers.
LEIPZIG, 3.0.—For Girls. 3.40.—Exchange.
MUNICH, 3.0.—Discussion: The Old Days in Africa. 3.20.—Three Goothe Songs (Roemer). 3.40.—A Discussion with the B.D.M. Girls.
PARIS (Poste Parisien), 3.15 and 3.45.—Exchange.
PARIS (Radio-Paris), 3.45.—Exchange.
PRAGUE, 3.45.—Exchange; Weather. 3.55.—Military Band.
WARSAW, 3.35.—Exchange. 3.45.—Station Chamber Orchestra. Mmc. Cjelecka (Songs).

4 p.m.

BERLIN, 4.0.—Nun muss sich alles, alles wenden"—Play (Lübbe). 4.30.—Needlework.
BEROMÜNSTER, 4.0.—Von Dittersdorf. Radio Orchestra. Conductor: Gilbert. 4.40.—Songs. 4.55.—Radio Orchestra.
BRESLAU, 4.0.—Richard Wetz Songs by Magda Vogt (Contralto). 4.30.—Discussion: Is Literature a Profession? 4.50.—Talk: The Battle of Gorlice Pass, 1915.
BRUSSELS (No. 1), 4.45.—News.
COLOGNE, 4.0.—An die ferne Geliebte—Song Cycle (Beethoven), by Peter Anders (Tenor). 4.30.—Book Review.
DEUTSCHLANDSENDER, 4.0.—Variety. Ferdy Kauffmann Orchestra, Grete Weise (Humorous Songs) and Michael Danzi (Guitar).
FRANKFURT, 4.0.—Emma Sagebiel (Pianoforte). 4.30.—Reports: The St. Blaise Society, Baumkirch, (b) The Last Wool-Comber in Ober-Florstadt.
HAMBURG, 4.0.—Dialect Sequence (Flemes), with Music by Girnatis. Station Choir and Orchestra. Conductors: Gregor and Secker. Hartwig Sievers (Speaker). 4.30.—Reading from Children's Letters. 4.40.—"The Cuckoo in Germanic Folklore"—Sequence, with Music (Schröder).
HILVERSUM, 4.0.—For Children.
HUIZEN, 4.0-4.25.—Hendriks Trio. 4.40.—Mile. Ipema (Soprano).
KALUNDBORG, 4.0.—Orchestra (contd. from 3.30).
KÖNIGSBERG, 4.0.—Discussion (contd. from 3.45). 4.10.—Contemporary Songs by Ludwiga Kuckuck (Soprano). 4.35.—Discussion.
LEIPZIG, 4.0.—Edelgard Figur (Soprano) and Anita Wendt (Pianoforte), from Halle. 4.30.—Talk: Franz Kranewitter, the Tyrolean Author. 4.50.—Exchange; Brazilian Exchange.
MONTE CENERI, 4.0-5.0.—See Beromünster.
MUNICH, 4.0.—Announcements. 4.10.—Sixteenth and Seventeenth Century Folk Songs. Käthe Langeschubert (Soprano) and Anna Barbera Speckner (Harpischord). 4.30.—A Fairy Play after Grimm (Teuber), with Music by Otto Scharl. 4.50.—Drums and Flags"—Sequence for Boys (Fleckenstein).
PARIS (Poste Parisien), 4.50.—Exchange.
PRAGUE, 4.0.—Band (contd. from 3.55). 4.40.—The Colony of Rosy Isle"—Play for Children (Wenig).
ROME, 4.30.—News; Exchange.
SOTTENS, 4.0-5.0.—See Beromünster.
STUTTGART, 4.30.—For Children.
TURIN, 4.30.—News. 4.40.—For Children.
WARSAW, 4.0.—Orchestra and Songs (contd. from 3.45). 4.30.—Talk. 4.45.—Records.

5 p.m.

BERLIN, 5.0.—See Frankfurt.
BEROMÜNSTER, 5.0.—Radio Or-

chestra. 5.10.—Humour in Chamber Music. Obreschkoff-Leonhardt Trio. 5.40.—Records.
BRESLAU, 5.0.—See Frankfurt.
BRUSSELS (No. 1), 5.0.—

Exhibition Organ

Peeters, Organist of Malines Cathedral. 5.30.—For Children.
BRUSSELS (No. 2), 5.0.—"Pro Arte" Quartet from the Palais des Beaux-Arts.
BUCHAREST, 5.0.—Radio Orchestra.
BUDAPEST (No. 1), 5.0.—Report from a Children's Play Ground. 5.40.—Dance Music.
COLOGNE, 5.0.—See Frankfurt.
DEUTSCHLANDSENDER, 5.0.—Variety (contd. from 4.0). 5.35.—Talk: Schleiermacher.
FRANKFURT, 5.0.—Variety. Station Orchestra. Hauck's Dance Band, the "Fünf Sorgenbrecher," and Soloists. Part I: Opera Music. Part II: Light Music.



In Corsica, to which Poste Parisien takes its listeners at 8.15 p.m.

HAMBURG, 5.0.—See Frankfurt.
HILVERSUM, 5.0.—For Children.
HUIZEN, 5.0.—Mile. Ipema (Soprano) 5.40.—For Children.
KALUNDBORG, 5.0.—Orchestra (contd. from 3.30). 5.30.—Exchange; Markets. 5.45.—Records.
KÖNIGSBERG, 5.0.—See Frankfurt.
LEIPZIG, 5.0.—Leipzig Symphony Orchestra. Light Music.
MONTE CENERI, 5.0-6.0.— See Beromünster.
MUNICH, 5.0.—Station Orchestra. Conductor: Kloss.
OSLO, 5.0.—Records.
PARIS (PIT), 5.30.—Records. 5.45.—Shipping.
PARIS (Radio-Paris), 5.45.—Variety.
PRAGUE, 5.0.—Play (contd. from 4.40). 5.25.—Records. 5.35.—Industrial Review. 5.45.—Records. 5.50.—Talk.
ROME, 5.5.—See Turin. 5.55.—Weather.
SOTTENS, 5.0-6.0.—See Beromünster.
STOCKHOLM, 5.0.—Weather. 5.5.—Latvian and Russian Songs by Jakob Joffe. 5.30.—The Practical Corner. 5.45.—Records.
STUTTGART, 5.0.—See Frankfurt.
TURIN, 5.5.—Orchestra. 5.55.—Weather.
VIENNA, 5.0.—Talk on Education. 5.20.—Talk: Decorations for Balconies. 5.30.—Mozart and Brahms. Edgar Schifmann (Pianoforte).
WARSAW, 5.0.—Talk. 5.15.—Talk with Records: Contemporary French Music. 5.50.—Book Review.

6 p.m.

ATHLONE, 6.0.—For Children. 6.45.—News.
BERLIN, 6.0.—Sonatas and Duets; Community Singing (on Records). 4.50.—"Drums and Flags"—Sequence for Boys (Fleckenstein).
PARIS (Poste Parisien), 4.50.—Exchange.
PRAGUE, 4.0.—Band (contd. from 3.55). 4.40.—The Colony of Rosy Isle"—Play for Children (Wenig).
ROME, 4.30.—News; Exchange.
SOTTENS, 4.0-5.0.—See Beromünster.
STUTTGART, 4.30.—For Children.
TURIN, 4.30.—News. 4.40.—For Children.
WARSAW, 4.0.—Orchestra and Songs (contd. from 3.45). 4.30.—Talk. 4.45.—Records.
BRUSSELS (No. 1), 6.5.—Reading. 6.15.—Records.
BRUSSELS (No. 2), 6.0.—The "Pro Arte" Quartet (contd. from 5.0). 6.30.—De Puysseleyr. Franck (Tenor); van Durme (Pianoforte).
BUCHAREST, 6.0.—News. 6.15.—Radio Orchestra.
BUDAPEST (No. 1), 6.0.—Dance Music. 6.30.—Italian.
BUDAPEST (No. 2), 6.25.—Songs.
COLOGNE, 6.0.—See 5.0 Frankfurt.

6.30.—Talk: Finland. 6.45.—Weather; Exchange; Sports. 6.50.—Commentary on the International Football Match—Germany v. Ireland, from Dortmund.
DEUTSCHLANDSENDER, 6.0.—Songs. 6.20.—Sports Notes. 6.35.—Report: A Visit to the BMD Girls' Newspaper Office. 6.50.—Topical Talk.
FRANKFURT, 6.0.—Variety (contd. from 5.0). 6.30.—Talk: Castles in the Wetterau. 6.45.—Topical Talk. 6.50.—See Cologne.
HAMBURG, 6.0.—See 5.0 Frankfurt. 6.30.—Talk. 6.40.—Talk: Landscape Gardening. 6.50.—See Cologne.
HILVERSUM, 6.0.—For Children. 6.10.—Records. 6.40.—V.A.R.A. Orchestra. Conductor: de Groot.
HUIZEN, 6.0.—For Children. 6.40.—Wireless Notes.
KALUNDBORG, 6.0.—Records. 6.15.—French. 6.45.—Wireless Notes.

6.30.—Talk: Finland. 6.45.—Weather; Exchange; Sports. 6.50.—Commentary on the International Football Match—Germany v. Ireland, from Dortmund.
DEUTSCHLANDSENDER, 6.0.—Songs. 6.20.—Sports Notes. 6.35.—Report: A Visit to the BMD Girls' Newspaper Office. 6.50.—Topical Talk.
FRANKFURT, 6.0.—Variety (contd. from 5.0). 6.30.—Talk: Castles in the Wetterau. 6.45.—Topical Talk. 6.50.—See Cologne.
HAMBURG, 6.0.—See 5.0 Frankfurt. 6.30.—Talk. 6.40.—Talk: Landscape Gardening. 6.50.—See Cologne.
HILVERSUM, 6.0.—For Children. 6.10.—Records. 6.40.—V.A.R.A. Orchestra. Conductor: de Groot.
HUIZEN, 6.0.—For Children. 6.40.—Wireless Notes.
KALUNDBORG, 6.0.—Records. 6.15.—French. 6.45.—Wireless Notes.

KÖNIGSBERG, 6.0.—See 5.0 Frankfurt. 6.30.—Markets. 6.40.—Dance Music.
LEIPZIG, 6.0.—Leipzig Symphony Orchestra (contd. from 5.0). 6.30.—Report from the Toy Exhibition at Sonneberg.
MOSCOW (No. 1), 6.30.—Talk: The Civil War and the October Revolution; Concert.
MUNICH, 6.0.—Orchestra (contd. from 5.0). 6.30.—Talk: Great Engineering Feats. 6.50.—Announcements.
OSLO, 6.0.—For Children. 6.30.—English. 6.55.—Announcements.
PARIS (Poste Parisien), 6.25.—Exchange. 6.30.—Jewish Address. 6.50.—Talk. 6.57.—Poetry Review.
PARIS (PTT), 6.0.—Medical Talk. 6.10.—Talk. 6.20.—Music Review. 6.30.—News; Review.
PARIS (Radio-Paris), 6.0.—For Children. 6.30.—Notes and Talk for Dairy Farmers; Market Prices; Racing Results. 6.45.—Medical Talk.
PRAGUE, 6.0.—Talk for Workers. 6.10.—German Transmission: Book Review; Talk for Workers; Announcements. 6.45.—News in German. 6.55.—Record.
ROME, 6.0-6.10.—Corn Prices. 6.45.—Tourist Report; Dopolavoro Notes; Report of the Royal Geographical Society.
SOTTENS, 6.0.—Dance Records. 6.20.—Literary Talk. 6.40.—Rimsky Korsakov Records.
STOCKHOLM, 6.0.—Records. 6.45.—German.
STUTTGART, 6.0.—See 5.0 Frankfurt. 6.30.—Morse. 6.50.—See Cologne.
TURIN, 6.0-6.10.—Corn Prices. 6.45.—Tourist Report; Dopolavoro Notes.
VIENNA, 6.0.—Reading. 6.25.—Talk: Co-operation in Industry. 6.50.—Science Review.
WARSAW, 6.0.—Dance Music. 6.15.—Humorous Sketch. 6.30.—Technical Letter-box. 6.40.—Art Talk. 6.45.—Records.

7 p.m.

ATHLONE, 7.0.—Irish. 7.15.—To be announced. 7.31.—Station Orchestra.
BERLIN, 7.0.—See Königsberg. 7.30.—Canons by the Station Choir. Conductor: Weigel. Kommt her und singt (Mozart). Drinking Canon (Mozart). Wer ein Weib freit (Salieri). Canons (Salieri). 7.40.—Evening Echoes.

BEROMÜNSTER, 7.0.—Weather; Markets. 7.15.—Old Song Favourites by Werner Huber. 7.25.—Talk: Salesmanship Methods. 7.50.
"Julius Caesar"

—Play (Shakespeare) from the Municipal Theatre, Zürich.
BRESLAU, 7.0.—Mandoline. 7.30.—See Deutschlandsender.
BRUSSELS (No. 1), 7.0.—Weekly Review. 7.15.—Excerpts; String Quartet n G (Beethoven), on Records. 7.30.—Government Notes; Medical Talk.
BRUSSELS (No. 2), 7.0.—Talk: Earthquakes. 7.15.—Prokofiev Records. 7.30.—Report for Servicemen.
BUCHAREST, 7.0.—Talk. 7.20.—Records. 7.45.—Talk.
BUDAPEST (No. 1), 7.0.—Sonatas. Roth (Violin) and Herz (Pianoforte). 7.50.—Talk.
BUDAPEST (No. 2), 7.5.—Talk. 7.40.—Vera Erdös (Tárogató).
COLOGNE, 7.0.—The Germany v. Ireland Football Match (contd. from 6.50). 7.50.—Snapshots.
DEUTSCHLANDSENDER, 7.0.—Sonata in F (Brahms) by Metz-macher ('Cello) and Taubert (Pianoforte). 7.30.—Talk: The Government of the Third Reich.
FRANKFURT, 7.0.—See 6.50 Cologne. 7.40.—For Farmers.
HAMBURG, 7.0.—See 6.50 Cologne. 7.45.—Shipping.
HILVERSUM, 7.0.—V.A.R.A. Orchestra. 7.10.—Records. 7.20.—Sports. 7.40.—Chamber Symphony (Moritz). V.A.R.A. Orchestra. Conductor: de Groot.
HUIZEN, 7.0.—Wireless Notes. 7.10.—To be announced. 7.40.—Police Notes; Church News. 7.55.—A Report.
KALUNDBORG, 7.0.—News. 7.30.—For Farmers.
KÖNIGSBERG, 7.0.—Dance Music. 7.30.—See Deutschlandsender.
LEIPZIG, 7.0.—See 6.50 Cologne. 7.40.—Talk: The Battle of Mount Isel, 1809.
MONTE CENERI, 7.15.—Records. 7.45.—News.
MOSCOW (No. 1), 7.0.—Talk and Concert (contd. from 6.30).
MUNICH, 7.0.—The Town of a Thousand Madonnas"—a Nürnberg Sequence, with Music by Günther.
OSLO, 7.0.—Announcements: 7.30.—Talk. 7.40.—Symphony Concert. Station Orchestra. Conductor: Kramm. Leonora Overture No. 3 (Beethoven). Pianoforte Concerto (Bach). Rhapsody in G minor (Brahms).
PARIS (Eiffel Tower), 7.0.—News; Talk. 7.45.—For Children.
PARIS (Poste Parisien), 7.0.—Poetry Review. 7.4.—Record; Sports. 7.10.—News. 7.25.—Announcements. 7.28.—"Lullabies"—Records. 7.43.—Aviation. 7.50.—Opera-Operetta. Selection, "Le Postillon de Longjumeau" (Adam), "Tannhäuser" (Wagner), "The Count of Luxembourg" (Lehár).
PARIS (PTT), 7.0.—News; Review. 7.45.—Tourist Talk.
PARIS (Radio-Paris), 7.0.—Book Review. 7.15.—Weather. 7.20.—Anglo-Saxon Press Review. 7.30.—Talk: Nineteenth-Century French Poetry.
PRAGUE, 7.0.—News. 7.10.—Record. 7.15.—Topical Talk. 7.25.—"Czech Song"—Cantata (Smetana). Station Orchestra and Choir. Conductor: Jeremias. 7.40.—Talk by Adolf Kreuzmann: Sixty Years as an Actor.
ROME, 7.0.—News in Foreign Languages.
SOTTENS, 7.0.—Talk: Gymnastics. 7.20.—Readings. 7.40.—Letter-box.
STOCKHOLM, 7.0.—German. 7.15.—News. 7.30.—Talk.
STRASBOURG, 7.0.—Records. 7.30.—News. 7.45.—For Children.
STUTTGART, 7.0.—See 6.50 Cologne. 7.45.—"The Cultural Relations between Germany and France"—a Discussion with Professor Henri Jourdan.
TURIN, 7.0.—News in Foreign Languages.
VIENNA, 7.0.—News. 7.20.—Sandauer Jazz Band. Spring Music.
WARSAW, 7.0.—Records. 7.7.—Announcements. 7.15.—For Farmers. 7.25.—Sports Notes. 7.35.—Olza (Songs). 7.50.—Reading.

8 p.m.

ATHLONE, 8.0.—"Cok"—Historical Word Picture.
BERLIN, 8.0.—News. 8.15.—See Hamburg. 8.45.—
Mozart, Beethoven
Station Orchestra. Conductor: Frickhoeffer. Hege-Roswagene

WEDNESDAY May 8

(Tenor). Part I, Mozart. Overture and Aria, "Il Scraglio." Aria, "Cosi fan tutte." Eine kleine Nachtmusik. Arias, from (a) "The Magic Flute," (b) "Don Giovanni." Part II, Beethoven. The First Symphony.
BEROMÜNSTER, 8.0.—"Julius Caesar" (Shakespeare) (contd. from 7.50).
BORDEAUX-LAFAYETTE, 8.0.—For Farmers. 8.15.—News; Exchange; Weather; Request Records. 8.45.—"Marie Magdeleine"—Opera (Massenet).
BRATISLAVA, 8.30.—Mozes. Station Orchestra. Conductor: Schimpl. Blaho (Tenor). Overture. Polonaise. Mazurka. Two Songs. Scherzo. Slovak March.
BRESLAU, 8.0.—News. 8.15.—See Hamburg. 8.45.—Weekly Review.
BRNO, 8.20.—Reading. 8.30.—Scènes de Ballet (Glazunov).
BRUSSELS (No. 1), 8.0.—Rhapsody in Blue (Gershwin): "Croquis mondain 1935"—Sketch (Phillip) with Incidental Music.
BRUSSELS (No. 2), 8.0.—"La route d'Emeraude"—(de Boeck), from the Exhibition. Conductor: Kumps. In the Interval: Luck Phillips recites.
BUCHAREST, 8.0.—Sonata n E minor (Bossi) by Pupa Popovici (Pianoforte) and Theodorosco (Violin). 8.30.—Programme by Théa Loanin. 8.55.—Talk.
BUDAPEST (No. 1), 8.0.—Talk (contd. from 7.50). 8.20.—Weber and Wagner. Opera Orchestra. Conductor: Fridl. Pliniszky (Songs). Part I. Weber. Overture and Aria, "Der Freischütz." Overture, "Oberon." Part II. Wagner. Overture and Aria, "Lohengrin." Overture, "The Flying Dutchman." Aria, "The Mastersingers." Song, "Siegfried."
BUDAPEST (No. 2), 8.0.—Vera Erdös (Tárogató). 8.15.—Anecdotes. 8.50.—Records.
COLOGNE, 8.0.—Announcements. 8.15.—See Hamburg. 8.45.—Contemporary Music. Augmented Station Orchestra. Conductor: Buschkötter. Anton Schoenmaker (Violin). Nacht (Unger). Violin and Orchestra: Serenade (Reuss). Suite, Aus der Kinderzeit (Donisch).
DEUTSCHLANDSENDER, 8.0.—Motto; News. 8.15.—See Hamburg. 8.45.—Jäger and Stech (Two Pianofortes).
FRANKFURT, 8.0.—News. 8.15.—See Hamburg. 8.45.—Variety. Hauck Dance Band and Soloists.
HAMBURG, 8.0.—Announcements. 8.15.—Herman Löns Programme. 8.45.—Talk: Potato-Planting.
HILVERSUM, 8.0.—Chamber Symphony (Moritz) (contd. from 7.40). 8.10.—Talk. 8.30.—Steyn (Accordion) and Vogel (Pianoforte). Spaghetti Tangle (Frosinc). Hocus-Pocus (Pörschmann). The Lambs' Gambol (Matte). 8.40.—S O S Announcements. 8.43.—Announcements. 8.50.—A Report.
HUIZEN, 8.0.—Report. 8.10.—Talk for Farmers. 8.40.—News. 8.45.—Songs and Recitations.
KALUNDBORG, 8.0.—Scandinavian Folk Music. Radio Orchestra. Conductor: Gröndahl. Scherzo Rhapsody on Old Danish Sea Songs (Gröndahl). Norwegian Feil Melodies (Grieg-Nielsen). Scandinavian Folk Melodies (Hartmann). 8.35.—Readings for the Centenary of

Hans Andersen
KÖNIGSBERG, 8.0.—News. 8.15.—See Hamburg. 8.45.—Pianoforte Concerto (Sinding) by Birger Hammer and the Opera Orchestra. Conductor: Brückner.
LAHTI, 8.0.—Dance Music. 8.45.—News.
LEIPZIG, 8.0.—News. 8.15.—See Hamburg. 8.45.—"Andre Hofer"—Play (Kranewitter).
LYONS (La Doua), 8.0.—Talk. 8.20.—Book Review. 8.30.—Records. 8.45.—"The Seasons"—Oratorio (Haydn) from the Grand Theatre. Conductor: Giriat.
MONTE CENERI, 8.0.—"The Stubborn Clarinet"—Humorous Play (Talamona).
MOSCOW (No. 1), 8.0.—Symphony Concert. Conductor: Anosov. Aleksandirskaia (Songs).
MUNICH, 8.0.—News. 8.15.—See Hamburg. 8.45.—"Der brennende Zwoaring"—Comedy (Bauer).

Hans Andersen
KÖNIGSBERG, 8.0.—News. 8.15.—See Hamburg. 8.45.—Pianoforte Concerto (Sinding) by Birger Hammer and the Opera Orchestra. Conductor: Brückner.
LAHTI, 8.0.—Dance Music. 8.45.—News.
LEIPZIG, 8.0.—News. 8.15.—See Hamburg. 8.45.—"Andre Hofer"—Play (Kranewitter).
LYONS (La Doua), 8.0.—Talk. 8.20.—Book Review. 8.30.—Records. 8.45.—"The Seasons"—Oratorio (Haydn) from the Grand Theatre. Conductor: Giriat.
MONTE CENERI, 8.0.—"The Stubborn Clarinet"—Humorous Play (Talamona).
MOSCOW (No. 1), 8.0.—Symphony Concert. Conductor: Anosov. Aleksandirskaia (Songs).
MUNICH, 8.0.—News. 8.15.—See Hamburg. 8.45.—"Der brennende Zwoaring"—Comedy (Bauer).

WEDNESDAY May 8

8 p.m. (contd.)

OSLO, 8.0—Symphony Concert (contd. from 7.40). 8.30—Science Talk.
PARIS (Eiffel Tower), 8.0—For Children. 8.15—Political Review. 8.35—Talk: The Evolution of Paris. 8.45—French Songs of to-day.
PARIS (Poste Parisien), 8.0—Interlude. 8.10—Exchange. 8.15—“Corsica” Programme with Tino Rossi. 8.45—Interlude; Talk. 8.55—Exchange.
PARIS (PTT), 8.0—Records. 8.30—“Le Sursaut”—Play in Three Acts (Albert Jean).
PARIS (Radio-Paris), 8.0—

Opera Music

Orchestra. Conductor: Bigot. Mmes. Mathieu, Guyla, and MM. Audoin and Cathelat. (Songs). Ballet Music, “Orpheus” (Gluck). Arias, “Proserpine” (Paisiello), “Figaro” (Mozart), Lallah-Roukh (David), “The Pearl Fishers” (Bizet). Dances, “Antar” (Dupont). Ballet Music, “Ariane” (Massenet). Arias, “Sappho” (Massenet), “Le Medecin malgré lui” (Gounod), “Tales of Hoffmann” (Offenbach); Interludes, “La Habanera” (Laparra). Aria, “La Basoche” (Messager). Overture, “Patrie” (Bizet); Serenade, “The Fair Maid of Perth” (Bizet), “Penelope” (Faure). Duet, “Fortunio” (Messager). Prelude, Les Noces corinthiennes (Büsser). Song of the Flea, “The Damnation of Faust” (Berlioz). Aria, “La Bohème” (Puccini). Ride of the Valkyries (Wagner). In the Interval at 8.30: News.

PRAGUE, 8.0—“The Heirs of the White Mountain” (Dvorák) to Words by Halek. The Station Orchestra and Choir. Conductor: Jeremias. 8.30—Talk: Inventions. 8.40—See Brno.

RADIO-NORMANDIE, 8.0—Concert. 8.30—“Le père Jean paye son terme”—One-Act Comedy (Chauffard-Dierdy).

ROME, 8.0—News in English. 8.10—Italian for English Beginners. 8.30—Announcements. 8.40—Talk by Senator Davanzati. 8.50—

Band. Conductor: Marchesini. Overture, “Le Maschere” (Mascagni). Suite, Sicilia canora (Mulè). Selection, “Ero e Leandro” (Mancinelli). Rhapsody, Italia (Casella). Rondo fantastico (Plick-Mangiagalli). Moto perpetuo (Paganini). Dance of the Waves, “Loreley” (Catalani). Selection, “Turanot” (Puccini). Oriental Impressions (Marchesini).

SOTTENS, 8.0—Radio Orchestra. Conductor: Haug. Overture, “The Merry Wives of Windsor” (Nicolaï). Delirien-Walzer (Strauss). Ballet Suite (Smetana). Two Slav Dances (Dvorák). Selection, “Countess Maritza” (Kálmán). Polovtsian Dances (Glinka).

STOCKHOLM, 8.0—Radio Orchestra. Conductor: Sixten Eckerberg. Norwegian Rhapsody (Svendsen). Suite, Nachtmusik (Dressel). Serenade (Glazunov). Waltz Fantasia (Glinka). Scènes pittoresques (Massenet). Waltz, Estudiantina (Waldteufel). Overture, “The Bohemian Girl” (Balfe).

STRASBOURG, 8.0—For Children. 8.15—News in German. 8.45—“Le diable galant”—Comic Opera in One Act (Pierne). The Station Orchestra and Soloists. Conductor: De Villers.
STUTTGART, 8.0—News. 8.15—See Hamburg. 8.45—

Ninth Symphony

(Beethoven). Station Choir and Orchestra. Conductor: Drost. Ria Ginster (Soprano), Emma Mayer (Contralto), Karl Erb (Tenor), and Johannes Willy (Bass-Baritone).
TOULOUSE (Radio-Toulouse), 8.0—Hunting-Horns. 8.15—“Werther” Opera (Massenet).

TURIN, 8.0—News in English. 8.10—Italian for English Beginners. 8.30—Announcements. 8.40—Talk by Senator Davanzati. 8.50—“La signorina senza motore”—Play in Three Acts (Martino).

VIENNA, 8.5—“All Alike”—Burlesque (Garai and Arvay).

WARSAW, 8.0—Opera Music. 8.15—Mickiewicz Programme, from Wilno. 8.45—News. 8.55—Talk: Life and Work in Poland.

9 p.m.

ATHLONE, 9.0—To be announced. 9.30—Variety.

BERLIN, 9.0—Mozart and Beethoven (contd. from 8.45).

BEROMÜNSTER, 9.0—“Julius Caesar” (Shakespeare) (contd. from 7.50).

BORDEAUX-LAFAYETTE, 9.0—“Marie Magdelaine” (Massenet) (contd. from 8.45).

BRATISLAVA, 9.0—Moyzes (contd. from 8.30).

BRESLAU, 9.0—See 8.45 Berlin.

BRNO, 9.0—Scènes de Ballet (Glazunov) (contd. from 8.40). 9.10—Programme for the Anniversary of the Death of Krizkovsky—Play; Krizkovsky Choral Music.

BRUSSELS (No. 1), 9.0—Political Review. 9.15—Radio Orchestra. Conductor: Douliez. Gina O'Deyn (Mandoline). Segovian March (Berry). Love Song (Cafudi). Mandoline: (a) Meditation (Nemerowski), (b) Spring Song (Mendelssohn), (c) Legend (Wieniawski).

(d) Mazurka (Meynarski). Cortège tartare (Dessart). A. Cypris (De Taey). Mandoline; (a) Intermezzo (Mascagni), (b) Adagio (Mozart), (c) Tarantella (Petrosa). Oriental Dance (Douliez). Song d'amour (Marsick). Characteristic Dance (Kalkman).

BRUSSELS (No. 2), 9.0—“La route d'Émeraude”—Opera (contd. from 8.0).

BUCHAREST, 9.0—Talk. 9.10—Chamber Orchestra.

BUDAPEST (No. 1), 9.0—Weber and Wagner (contd. from 8.20). 9.25—Review of Foreign Affairs. 9.40—Elemér Sári Cigány Band.

BUDAPEST (No. 2), 9.0—Records. 9.25—News. 9.30—Zdenka Ticharich (Pianoforte).

DEUTSCHLANDSENDER, 9.0—See Hamburg.

HAMBURG, 9.0—Station Symphony Orchestra. Conductor: Maass. Overture, Fest der Infantin (Gebhardt). Waltz (Busoni). Bolero (Nicodé). España (Chabrier). Slav Dance (Dvorák). Dances from Austria (Bittner). Aquarellen-Walzer (Strauss).

HILVERSUM, 9.0—Report. 9.10—Excerpts from the Revue “Hoplomet de beentjes.” The Walis Orchestra, the Double X Ensemble, the v. d. Horst Ensemble, Gaby Ehrhardt and Jenny Lee (Songs), Baradini (Ventrioloquist), de Booy (Songs) and Steyn (Pianoforte).

KALUNDBORG, 9.0—Readings (Hans Andersen). (contd. from 8.35). 9.5—Talk on the following Transmission. 9.20—Acts II and III, “Tannhäuser”

—Opera (Wagner), from the Royal Theatre, Copenhagen. Conductor: Tango.

KÖNIGSBERG, 9.0—Pianoforte Concerto (Sinding). 9.20—“May”—Station Orchestra, and Choir. Conductors: Wilcken and Firchow.

Part I. Old May Songs. Part II. Tanz unter der Dorflinde (Reinecke). Part III. New Spring Songs. Part IV. Suite campestre (Scassola).

LEIPZIG, 9.0—“Andre Hofer”—Play (Kranewitter) (contd. from 8.45).

LYONS (La Doua), 9.0—“The Seasons” (Haydn) (contd. from 8.45).

MONTE CENERI, 9.0—Play (contd. from 8.0). 9.10—Radio Orchestra. Conductor: Leopoldo Casella. Gasparini (Cello).

MOSCOW (No. 1), 9.0—Czech Programme: Report from the Izvestia Newspaper Press. 9.55—Chimes.

MUNICH, 9.0—Comedy (contd. from 8.45). 9.45—Pianoforte Sonata (Niemann), by Weishoff.

OSLO, 9.0—Station Orchestra. Conductor: Kramm. March (Orvan). Selection, “Orpheus in the Underworld” (Offenbach). Potpourri (Ganglbberger). Japanese Intermezzo (Ketelbey). Waltz, “Faust” (Gounod). 9.40—News.

PARIS (Eiffel Tower), 9.0—New French Songs. 9.20—News. 9.25—“The Musica” Trio. Hèlia Wolkska (Songs). Pianoforte and Cello: Sonata (Ropartz). Songs (Faure): (a) Au cimetièr, (b) La cigale et la fourmi.

PARIS (Poste Parisien), 9.0—Exchange. 9.5—“A Love Story”—Sequence with Song Records. 9.45—Interlude; Announcements.

PARIS (PTT), 9.0—“Le Sursaut”—Play (contd. from 8.30).

PARIS (Radio-Paris), 9.0—Opera Music (contd. from 8.0). In the Interval at 9.15: News; Review by Reboux.

PRAGUE, 9.0—See 8.40 Brno.

RADIO-NORMANDIE, 9.0—Military Programme. 9.30—Excerpts, “Parade de France.”

ROME, 9.0—Band (contd. from 8.50). In the Interval: Talk: Mothers-in-Law and Daughters-in-Law.

SOTTENS, 9.0—Radio Orchestra (contd. from 8.0). 9.15—News. 9.25—French Military Marches.

STOCKHOLM, 9.0—Orchestra (contd. from 8.0). 9.15—Report. 9.45—News.

STRASBOURG, 9.0—“Le diable galant”—Comic Opera (Pierne) (contd. from 8.45). 9.20—News. 9.30—Schubert. Orchestra. Conductor: de Villers. Pogoda (Pianoforte). Overture, “Alphonso and Estrella.” The “Unfinished” Symphony. Fantasia for Pianoforte and Orchestra, Der Wanderer (Schubert-Liszt). Overture, “Fierrabras.”

TOULOUSE (Radio-Toulouse), 9.0—“Werther” (contd. from 8.15).

TURIN, 9.0—“La signorina senza motore”—Play (contd. from 8.50).

VIENNA, 9.5—Topical Talk. 9.20—Pictures from an Exhibition (Musorgsky) by Claudio Arrau (Pianoforte).

WARSAW, 9.0—Chopin. Lewiecki (Pianoforte). Rondo in F. Impromptu in A flat. Six Etudes: (a) F minor, (b) A flat, (c) C sharp minor, (d) F minor, (e) F minor (Posthumous); (f) A flat (Posthumous). 9.30—Talk in Esperanto from Cracow: Poland and the Nobel Prize. 9.40—Polish Songs by Bender, from Katowice.

10 p.m.

ATHLONE, 10.0—Variety. 10.30—News. 10.40—Ceilidhe Music.

BERLIN, 10.0—News. 10.30—Orchestra. 10.50—See Cologne.

BEROMÜNSTER, 10.0—“Julius Caesar” (Shakespeare) (contd. from 7.50). 10.30 (approx.)—Tourist Notes; Weather.

BORDEAUX-LAFAYETTE, 10.0—“Marie Magdelaine” (Massenet)

(contd. from 8.45); Amusement Guide.

BRESLAU, 10.0—News. 10.30—Commentary on the International Football Match—Germany v. Ireland, from Dortmund (on Records). 10.50—Dance Music.

BRUSSELS (No. 1), 10.0—News. 10.10—Records. 10.55—Christus vincit (Liszt).

BRUSSELS (No. 2), 10.0—News. 10.10—Concert from the Exhibition. Chamber Orchestra.

BUDAPEST (No. 1), 10.0—Elemér Sári Cigány Band. In the Interval at 10.10: News.

COLOGNE, 10.0—News. 10.20—Talk: How the Third Reich is Governed. 10.50—Station Orchestra. Conductor: Eysoldt. Irene de Noiret (Songs). Sword Dance (Poldini). Morgenblätter (Strauss). Potpourri (Lehár). Toreador (Schmalstich). Turandot, Bezaubernde Turandot (Doelle). An einem Tag im Frühling (Doelle). Memories of Capri (Becca).

DEUTSCHLANDSENDER, 10.0—News. 10.50—See Cologne.

FRANKFURT, 10.0—News. 10.30—“Fasse dich kurz!”—Humorous One-Act Play (Sfener). 10.50—See Cologne.

HAMBURG, 10.0—News. 10.25—Talk on Records: How the Third Reich is governed.

HILVERSUM, 10.0—Revue (contd. from 9.10).

HUIZEN, 10.0—Songs and Recitations. 10.25—Concert. A Rotterdam Male Voice Choir, a Boys' Choir and Rotterdam Municipal Orchestra. Boys' Choir: (a) Schaamt u. niet (de Wolff), (b) Husarenlied (Gatesloot), (c) Smidslidje (de Wolff). Male Voice Choir and Orchestra: Soldiers' Chorus, “Faust” (Gounod). Suite No. 1, “L'Arlésienne” (Bizet). Hymnus (de Wolff). In the Interval at 10.35: News.

KALUNDBORG, 10.0—Tannhäuser (Wagner) (contd. from 9.20). In the Interval at 10.30: News.

KÖNIGSBERG, 10.0—News. 10.20—Topical Talk. 10.30—Orchestra. 10.50—See Cologne.

LEIPZIG, 10.0—News. 10.50—See Cologne.

LYONS (La Doua), 10.0—“The Seasons” (Haydn) (contd. from 8.45).

MOSCOW (No. 1), 10.5—English Talk: The History of Socialist Construction.

MUNICH, 10.0—News; Exchange; Sports. 10.20—To be announced. 10.30—Talk on Records: How the Third Reich is governed.

OSLO, 10.0—Topical Talk. 10.15—Bridge. 10.35—Dance Records.

PARIS (Poste Parisien), 10.0—Cuban Orchestra. 10.30—Light Music (Records).

PARIS (PTT), 10.0—“Le Sursaut”—Play (contd. from 8.30). 10.30—News.

PARIS (Radio-Paris), 10.0—Opera Music (contd. from 8.0). 10.30—Weather. 10.35—Goldy Dance Band.

HAMBURG, 10.0—News. 10.25—Talk on Records: How the Third Reich is governed.

HILVERSUM, 10.0—Revue (contd. from 9.10).

HUIZEN, 10.0—Songs and Recitations. 10.25—Concert. A Rotterdam Male Voice Choir, a Boys' Choir and Rotterdam Municipal Orchestra. Boys' Choir: (a) Schaamt u. niet (de Wolff), (b) Husarenlied (Gatesloot), (c) Smidslidje (de Wolff). Male Voice Choir and Orchestra: Soldiers' Chorus, “Faust” (Gounod). Suite No. 1, “L'Arlésienne” (Bizet). Hymnus (de Wolff). In the Interval at 10.35: News.

KALUNDBORG, 10.0—Tannhäuser (Wagner) (contd. from 9.20). In the Interval at 10.30: News.

KÖNIGSBERG, 10.0—News. 10.20—Topical Talk. 10.30—Orchestra. 10.50—See Cologne.

LEIPZIG, 10.0—News. 10.50—See Cologne.

LYONS (La Doua), 10.0—“The Seasons” (Haydn) (contd. from 8.45).

MOSCOW (No. 1), 10.5—English Talk: The History of Socialist Construction.

MUNICH, 10.0—News; Exchange; Sports. 10.20—To be announced. 10.30—Talk on Records: How the Third Reich is governed.

OSLO, 10.0—Topical Talk. 10.15—Bridge. 10.35—Dance Records.

PARIS (Poste Parisien), 10.0—Cuban Orchestra. 10.30—Light Music (Records).

PARIS (PTT), 10.0—“Le Sursaut”—Play (contd. from 8.30). 10.30—News.

PARIS (Radio-Paris), 10.0—Opera Music (contd. from 8.0). 10.30—Weather. 10.35—Goldy Dance Band.

BARCELONA, 11.0—News. 11.15—Two One Act Plays in Catalan (Vidal Vidal): (a) “El Carro del Vi” (b) El Carro Desfet.

BERLIN, 11.0—See 10.50 Cologne.

BRESLAU, 11.0—Dance Music.

BUDAPEST (No. 1), 11.0—Jazz Band.

COLOGNE, 11.0—Orchestra (contd. from 10.50).

DEUTSCHLANDSENDER, 11.0—See 10.50 Cologne.

FRANKFURT, 11.0—See 10.50 Cologne.

HAMBURG, 11.0—

11 p.m.

BARCELONA, 11.0—News. 11.15—Two One Act Plays in Catalan (Vidal Vidal): (a) “El Carro del Vi” (b) El Carro Desfet.

BERLIN, 11.0—See 10.50 Cologne.

BRESLAU, 11.0—Dance Music.

BUDAPEST (No. 1), 11.0—Jazz Band.

COLOGNE, 11.0—Orchestra (contd. from 10.50).

DEUTSCHLANDSENDER, 11.0—See 10.50 Cologne.

FRANKFURT, 11.0—See 10.50 Cologne.

HAMBURG, 11.0—

Brahms Songs

by Erna Kroll-Lange. Hélène Guhl and Otto Stadelmaier. Juchhe! Maienkätzchen. Die Mainacht. Folk Songs: (a) Gar lieblich hat sich gesellet, (b) So will ich frisch und fröhlich sein. Nachtigall. Der Kuss. Walpurgisnacht. 11.25—Contemporary Chamber Music.

Violins and Viola: Prelude (Spitta). Violin and Pianoforte: Sonata (Petersen). Two Violins: Spielmusik (Paulsen). Burlesque (Rüdinger). Excerpts, Sonatina for two Violins and Pianoforte (Martini).

HILVERSUM, 11.0—Revue (contd. from 9.10). 11.40—Dance Records.

HUIZEN, 11.0—Concert (contd. from 10.25). 11.15—Dance Records.

KALUNDBORG, 11.0—11.40—“Tannhäuser” (Wagner) (contd. from 9.20).

KÖNIGSBERG, 11.0—See 10.50 Cologne.

LEIPZIG, 11.0—See 10.50 Cologne.

MADRID (EAJ7), 11.0—Chimes. 11.5—News. 11.15—Act 2, “The Barber of Seville”—Opera (Rossini) on Records.

MOSCOW (No. 1), 11.5—German Talk: Socialist Municipal Government.

MUNICH, 11.0—Dance Music.

OSLO, 11.0—11.30—Dance Records

PARIS (Poste Parisien), 11.0—Exchange.

RADIO-NORMANDIE, 11.0—Records. 11.30—Variety.

ROME, 11.0—News.

STRASBOURG, 11.0—Orchestra.

STUTTGART, 11.0—See 10.50 Cologne.

TOULOUSE (Radio - Toulouse), 11.10—Viennese Orchestra. 11.15—Operetta Music. 11.35—Sound Film Music. 11.45—Opera Music.

TURIN, 11.0—News. 11.10—Announcements in Spanish.

VIENNA, 11.0—Orchestra (contd. from 10.10). 11.10—Talk in Esperanto: The Vienna History of Arts Museum. 11.20—Announcements. 11.35—Records.

WARSAW, 11.0—Orchestra and Dance Band (contd. from 10.15).

12 midnight

BARCELONA, 12.0—Plays (contd. from 11.15).

FRANKFURT, 12.0—Station Orchestra and Soloists. Conductor: Belker. The Oxford Symphony (Haydn). Suite in F for Harpsichord (Handel). Concerto grosso in B flat (Handel). English Suite in G minor (Bach). Concerto in D minor for Two Violins (Bach). Prelude and Fugue in E minor for Organ (Bach).

HILVERSUM, 12.0—12.40—Dance Records.

HUIZEN, 12.0—12.10—Dance Records

MADRID (EAJ7), 12.0—Dance Music. 12.45—News.

RADIO-NORMANDIE, 12.0—Dance Music.

STUTTGART, 12.0—See Frankfurt.

TOULOUSE (Radio-Toulouse), 12.0—“Au Caveau de minuit”—Fantasy. 12.15—News. 12.20—Band.

VIENNA, 12.0—Records (contd. from 11.35).

1 a.m. (Thursday)

BARCELONA, 1.0—News.

FRANKFURT, 1.0—Orchestra and Soloists (contd. from 12.0).

RADIO-NORMANDIE, 1.0—News. 1.10—Dance Music.

STUTTGART, 1.0—See 12.0 Frankfurt.



Hans Andersen,

in whose

honour

Kalundborg

broadcasts a

centenary

programme

T H U R S D A Y May 9

PRINCIPAL EVENTS

SYMPHONY CONCERTS

P.M.
8.45 Huizen : Liszt's "Christus."
8.45 Radio-Paris, Vienna: Fl. Schmitt, Fauré.
8.50 Rome : Conductor, Alceo Toni.
9.0 Warsaw : Violin Concerto (Tchaikovsky), etc.
10.10 Hilversum : Dutch Festival ; Concertgebouw, Mengelberg.

LIGHT CONCERTS

12.30 Warsaw : Wagner, Schumann, etc.
2.45 Kalundborg : Preil's Ensemble.
4.0 Deutschlandsender : Vocal, instrumental.
5.0 Cologne : Orchestra.
7.0 Frankfurt : Orchestral dances.
7.15 Beromünster : Marches, songs, waltzes.
8.0 Brussels 2 : Flemish composers.
8.0 Kalundborg : Danish Festival music.
8.0 Sottens : Swiss composers.
8.15 Budapest 1 : Orchestra.
9.0 Berlin : An hour of waltzes.
9.45 Radio-Paris : Romanian music.
10.10 Brussels 1 : From the Exhibition.
10.20 Vienna : Operetta melodies.
10.45 Radio-Paris : Pascal Orchestra.
11.0 Deutschlandsender : New music.

OPERAS

7.35 Bucharest : Opera relay.
8.30 Strasbourg : "M. de Pourceaugnac" (Bastide).
10.0 National : "Siegfried," Act 3 ; Beecham.

OPERETTAS

5.0 Brussels 2 : "The Gipsy Princess" records.
8.0 Brussels 1 : "Land of Smiles" (Lehár).
8.45 Regional : "The Desert Song."

CHAMBER MUSIC

12.15 Radio-Paris : Chamber music, songs, recitations.
4.0 Frankfurt : Steffani programme.

10.0 Stockholm : Chamber orchestra.
10.25 Kalundborg : Octet (Gade).

RECITALS

2.10 Hilversum : Pianoforte.
4.30 Berlin : Schubert pfte. music.
5.30 Brussels 1 : Organ, from the Exhibition.
6.10 Huizen : Organ.
6.55 Budapest 1 : Italian songs.
8.0 Paris (PTT) : Romanian music ; 8.30, Old French "Hits."
8.0 Warsaw : Kurpinski songs and dances.
8.15 Beromünster : Organ, violin.
9.0 National : Egon Petri (pfte.).
12.0 Stuttgart, Frankfurt : Ulm Cathedral organ.

PLAYS

4.45 Radio-Paris : "La dame aux Camélias," (Dumas fils).
7.15 Regional : "The Aunt of England."
8.0 Prague : "The Lost Letter."
8.25 Poste Parisien : "L'As" (Noé).

TALKS

11.50 National : The King and Queen at Westminster.
4.30 Warsaw : "The Loire Châteaux" (in French).

LANGUAGE LESSONS

6.15 Kalundborg : English ; 6.25, Budapest 1 : English ; 6.45, Stockholm : English ; 6.50, National : German ; 7.15, Prague : Russian ; 8.10, Rome, Turin : Italian for English advanced students.

DANCE MUSIC

10.15 Warsaw ; 10.25, Regional ; 11.5, Kalundborg ; 11.10, Budapest 1 ; 11.15, National ; 11.45, Vienna ; 11.50, Hilversum ; 12.0, Radio Normandie.

MISCELLANEOUS

9.20 Sottens : Cabaret.

NATIONAL
For Time Signals, see Monday 10.15 a.m. (Droitwich, London)—Service.
10.30 (Droitwich, London)—Weather.
10.45 (Droitwich, London)—"At Home To-day."
11.5—Records.
11.50—Visit by Their Majesties the King and Queen to Westminster Hall. H.M. the King replies to addresses by the Lord Chancellor and the Speaker of the House of Commons. Preceded by a description of the scene by Comdr. Stephen King-Hall.
12.20 p.m.—Rutland Square and New Victoria Orchestra.
1.0—New Records.
2.0-3.0 (Scottish)—See Regional.
2.5 (except Scottish)—For the Schools History, 2.30—Biology.
3.0—Evensong relayed from Westminster Abbey.
3.50—Records.
4.45—Organ (Alan Stephenson).
5.15—Trois and his Mandoliers, with Don Carlos (Tenor).
6.0—"The First News."
6.30—"The Foundations of Music."—Bach Keyboard Music.
6.50—German : Max Kroemer.
7.20—Records.
7.30—Danubian Clues to European Peace—3 : "Local Colour." A discussion between George Glasgow, D. J. Hall, A. L. Lyall, V. D. Barker, David Loch, and Clive Holland.
8.0—Variety of the Empire : Overture, Calling the Empire (arr. Frank Tapp). Selection of Characteristic Songs of the Dominions and Colonies. Al and Bob Harvey, Afrique, Albert Whelan, Anona Winn, Keith Wilbur, Hutch, Jeanne de Casalis and Partner, Denis O'Neil, Two Campbell and Wise Guys, Jean Melville. Variety Orchestra.
9.0—Egon Petri (Pianoforte). Sonata in C minor, Op. 111 (Beethoven). Sonata del Petrarca, No. 104 (Liszt).
9.30—"The Second News."
10.0—Act III of "Siegfried" (Wagner). The Wanderer, Rudolf Bockelman ; Erda, Edith Furnedge ; Siegfried, Lauritz Melchior ; Brünnhilde, Frida Leider. Conductor, Sir Thomas Beecham.
11.15-12.0 (Droitwich)—Maurice Winnick and his Orchestra.

REGIONAL
For Time Signals, see Monday 9.30 a.m. (Regional)—"Before the Procession." Reginald King and his Orchestra. The John Amers Military Band. The London Zigeuner Orchestra.
10.15-12.20 (Regional from 11.50)—National Programme.
12.20 p.m.—Belfast Wireless Orchestra.
1.20—Organ (George F. Suart).
2.0 (except Scottish)—Western Studio Orchestra.
2.0 (Scottish)—For Schools : Interlude, 2.5—History, 2.30—Music.
3.0 (Scottish till 3.25 ; Northern, Western from 3.25)—Victor Olof Sextet. Hebe Simpson (Soprano).
3.5 (Northern, Western)—For Schools.
3.30 (Scottish)—Mid-week Service.
4.0—Variety.
4.45—Records of Light Music
5.15—The Children's Hour.
6.0—"The First News."
6.30 (Regional, N. Ireland)—Wireless Military Band. Maurice Cole (Pianoforte).
6.30 (Midland)—Harry Engleman's Quintet with Leslie Lewis.
6.30 (Northern)—A Spot of Colour—5 : "In Advertisement."
6.30 (Scottish)—For Farmers.
6.30 (Western)—For Farmers.
6.50 (Northern)—Accordion Band.
6.50 (Scottish)—Darvelburgh Band.
6.50 (Western)—Records.
7.15 (except Scottish)—From the London Theatre : Haidee Wright in "The Aunt of England."
7.45 (Regional, Midland)—Midland Orchestra. Hilda Blake (Soprano) ; Tom Bromley (Pfte.). Weber.
7.45 (Northern)—Northern Orchestra.
7.45 (Scottish)—Gaelic Concert.
7.45 (Western)—Gaffer and Gavotte.
7.45 (N. Ireland)—Wireless Orchestra. James McCafferty (Baritone).
8.45—Edith Day and Harry Welchman in "The Desert Song." (See Wednesday, National, 7.30 p.m.)
10.0—News Summary.
10.10—Short Mid-week Service from St. Michael's, Chester Square.
10.25-12.0 (Midland till 11.15 ; Scottish from 11.0)—Maurice Winnick and his Orchestra.
10.25 (Scottish)—News Bulletin.
10.35-11.0 (Scottish)—A Scottish Ball of 1910 : Reggy Beard and his Band with Alec Sim.

STOCKHOLM, 11.50—Jubilee Programme from London.
TURIN, 11.30—Lrio.
12 noon
BERLIN, BRESLAU, COLOGNE, DEUTSCHLANDSENDER, FRANKFURT, HAMBURG, KÖNIGSBERG, LEIPZIG, STUTTGART, 12.0—Jubilee Relay (contd. from 11.50). 12.20—See Munich.
BEROMÜNSTER, 12.0—Radio Orchestra. Conductor : Hofmann. 12.29—News. 12.40—Opera and Operetta Music. Conductor : Hofmann.
BRUSSELS (No. 1), 12.0—Records.
BRUSSELS (No. 2), 12.0—Orchestra. Conductor : Walpot. Treza van Aerden (Songs).
BUCHAREST, 12.3—Records. 12.45—Amusement Guide ; Exchange.
BUDAPEST (No. 1), 12.5—Szerwansky Orchestra ; News.
HILVERSUM, 12.0—Dressmaking. 12.10—Records.
HUIZEN, 12.0—Records. 12.10—Religious Address. 12.40—Police Messages. 12.55—K.R.O. Orchestra.
KALUNDBORG, 12.0—Jubilee Programme (contd. from 11.50). 12.20—Bendix String Ensemble.
MONTE CENERI, 12.0—Announcements. 12.5—Radio Orchestra. Conductor : Herschel. 12.55—News.
MUNICH, 12.0—Jubilee Relay (contd. from 11.50). 12.20—Munich Symphony Orchestra. Conductor : Agop.
PARIS (Poste Parisien), 12.0—Exchange. 12.5—Records. 12.35—Variety.
PARIS (Radio-Paris), 12.0—Protestant Address. 12.15—Chamber Music with Jean Doyen and Simone Renant (Recitations).
PRAGUE, 12.0—For Farmers. 12.10—Water Level. 12.11—Record. 12.25—News. 12.35—Orchestra.
SOTTENS, 12.30—News. 12.40—Records.
TURIN, 12.0—Trio. 12.45—News.
WARSAW, 12.0—Fanfare ; Weather. 12.5—For Schools. 12.30—

from the Philharmonie. Conductor : Wolfstal. Korwin-Szymanowska (Soprano) and Płonski (Baritone).
Introductory Talk. Music by Wagner, Schumann, Tchaikovsky, Polish and Czech Composers.
1 p.m.
ATHLONE, 1.30—Time ; Weather ; Stock ; Records.
BERLIN, 1.0—Mid-day Echoes. 1.15—See 12.20 Munich.
BEROMÜNSTER, 1.0—Opera and Operetta Music (contd. from 12.40). 1.25—Weather ; Exchange.
BRESLAU, 1.0—Time ; News. 1.15—See 12.20 Munich.
BRUSSELS (No. 1), 1.0—News. 1.10—Orchestra.
BRUSSELS (No. 2), 1.0—News. 1.10—Request Records. 1.40—Sonata da camera (Pierne) (Records).
BUCHAREST, 1.0—Records. 1.15—News. 1.40—Records.
BUDAPEST (No. 1), 1.0—Orchestra (contd. from 12.5). 1.10—Time. 1.15—Greetings.
BUDAPEST (No. 2), 1.20—Song.
COLOGNE, 1.0—Announcements ; Greetings. 1.15—Bachem (Cinema Organ). Fassbender (Violin) Remagen (Baritone).
DEUTSCHLANDSENDER, 1.0—Greetings. 1.15—See 12.20 Munich. 1.45—News.
FRANKFURT, 1.0—Time News. 1.15—See 12.20 Munich.
HAMBURG, 1.0—Midday Review. 1.15—See 12.20 Munich.
HILVERSUM, 1.0—Records. 1.10—Aeolian Orchestra.
HUIZEN, 1.0—K.R.O. Orchestra.
KALUNDBORG, 1.0—Bendix String Ensemble.
KÖNIGSBERG, 1.0—Time ; News. 1.15—See 12.20 Munich.
LEIPZIG, 1.0—Time ; News. 1.15—See 12.20 Munich.
MONTE CENERI, 1.5—Sports Notes. 1.15—Records.
MUNICH, 1.0—Time ; News. 1.15—Orchestra (contd. from 12.20).
PARIS (Poste Parisien), 1.0—Variety. 1.15—Exchange. 1.19—Co-vert. 1.40—Film Review.
PARIS (Radio-Paris), 1.0—Chamber Music (contd. from 12.15). In the interval at 1.20 : News ; Exchange.
PRAGUE, 1.0—Orchestra. 1.35—

Industrial Review. 1.45—Record 1.55—Exchange.
SOTTENS, 1.0—Records.
STOCKHOLM, 1.0—Nielsen (Violin) and Kjelberg (Pianoforte). 1.30—Talk.
STUTTGART, 1.0—Time ; News. 1.15—See 12.20 Munich.
TURIN, 1.0—Time ; News. 1.5—Concert.
WARSAW, 1.0—For Housewives : News. 1.15—Orchestra (contd. from 12.30). 1.50—Announcements.
2 p.m.
ATHLONE, 2.0-2.30—Records.
BERLIN, 2.0—News. 2.15—Artur Andrae Orchestra.
BRESLAU, 2.0—Announcements.
BUDAPEST (No. 1), 2.40—Household Hints.
COLOGNE, 2.0—Announcements. 2.15-2.45—Karl Wolff, Heinz Viehmeyer (Tenors) ; Hildebrand (Pianoforte).
DEUTSCHLANDSENDER, 2.0—Variety. 2.15—Industrial Review.
FRANKFURT, 2.30—Exchange.
HAMBURG, 2.0—News ; Music.
HILVERSUM, 2.0—Aeolian Orchestra. 2.10—Chopin, Debussy, Truus Reimering (Pianoforte). 2.30—Reading, from "If I were Greta Garbo" (Koster). 2.50—A.V.R.O. Octet.
HUIZEN, 2.0—K.R.O. Orchestra. 2.40—Handicrafts.
KALUNDBORG, 2.45—Preil Instrumental Ensemble.
KÖNIGSBERG, 2.0—News. 2.30—Exchange ; Markets.
LEIPZIG, 2.0—News ; Exchange.
MUNICH, 2.0—News ; Exchange.
PARIS (Poste Parisien), 2.0—Exchange.
STOCKHOLM, 2.0—Light Music.
TURIN, 2.0—Exchange ; Records.
3 p.m.
BERLIN, 3.0—Exchange ; Markets.
BEROMÜNSTER, 3.30—Classical Music. Radio Orchestra. Conductor : Gilbert.
BRESLAU, 3.10—"From Baroque to Romantic"—Dances by Margot Hasse (Violin). 3.35—For Children.
COLOGNE, 3.0—For Children. 3.30—

Hours of Transmission in Greenwich Mean Time.
6 a.m. — 8 a.m.
BERLIN, 6.0—Hymn. 6.5—Gym. 6.20-8.0—See Deutschlandsender.
BRESLAU, 6.0-8.0—See Deutschlandsender.
COLOGNE, 6.0—See Deutschlandsender. 6.35—Gym. 6.50—Weather ; Hymn 7.0—See 6.20 Deutschlandsender. 8.0—Gym. 8.15—Weather ; Water Level. 8.20-8.30—Talk.
DEUTSCHLANDSENDER, 6.0—Chimes ; Motto ; Hymn. 6.5—Gym. 6.20—Jahn Orchestra. 8.0—Herbert Fröhlich Orchestra.
FRANKFURT, 6.0-8.0—See Deutschlandsender. 8.0—Water Level. 8.10-8.30—Gym.
HAMBURG, 6.0-8.0—See Deutschlandsender. 8.0—Announcements ; Records.
HILVERSUM, 8.40—Records.
HUIZEN, 8.40—Records.
KALUNDBORG, 7.0—Gym. 8.30—Service.
KÖNIGSBERG, 6.0—Gym. 6.20-8.0—See Deutschlandsender. 8.0—Service. 8.30—Gym.
LEIPZIG, 6.0—For Farmers. 6.5—Gym. 6.20-8.0—See Deutschlandsender. 8.0-8.20—Gym.
MUNICH, 6.0—Motto. 6.5-7.0—See Deutschlandsender. 7.0—Orchestra. 8.0—Gym.
PARIS (Radio-Paris), 6.45—Gym. 7.0—Records. 7.15—News. 7.45—Gym. 8.0—Records. 8.30—For Housewives.
STUTTGART, 6.0—Gym. 6.30—See 6.20 Deutschlandsender. 8.0—Water Level. 8.10—Gym. 8.30—For Women.
TURIN, 7.45—Gym. 8.0—Markets.
9 a.m.
BERLIN, 9.30—For Children.
BRESLAU, 9.0—Dance Band ; Review.
DEUTSCHLANDSENDER, 9.40—Domestic Science.
HILVERSUM, 9.0—Records. 9.40—A.V.R.O. Orchestra. Conductor : Gerhartz.
HUIZEN, 9.0—Records.

KÖNIGSBERG, 9.35—For Housewives. 9.50—Gym.
10 a.m.
BERLIN, 10.0—News ; Markets. 10.15—See Deutschlandsender.
BRESLAU, 10.15—See Deutschlandsender.
BUDAPEST (No. 1), 10.20—Talk : Tibet. 10.45—Talk.
COLOGNE, 10.0—News. 10.15—Mothers' Day Programme. 10.50—Talk : Great Prussians.
DEUTSCHLANDSENDER, 10.0—News. 10.15—Folk Songs.
FRANKFURT, 10.0—News. 10.15—See Stuttgart. 10.45—For Housewives.
HILVERSUM, 10.0—A.V.R.O. Orchestra. 10.40—Service. 10.55—Records.
HUIZEN, 10.40—Records. 10.55—Religious Programme.
KÖNIGSBERG, 10.10—For Women. 10.40—News.
LEIPZIG, 10.0—Announcements. 10.15—Music for Schools.
MUNICH, 10.15—See Stuttgart.
STUTTGART, 10.15—Folk Songs. 10.45—News.
11 a.m.
BERLIN, BRESLAU, COLOGNE, DEUTSCHLANDSENDER, FRANKFURT, HAMBURG, KÖNIGSBERG, LEIPZIG, MUNICH, STUTTGART, 11.0—News ; Music. 11.50—Jubilee Programme from London.
BUDAPEST (No. 1), 11.15—Greetings from the International Fair.
HILVERSUM, 11.0—Records. 11.10—A.V.R.O. Orchestra. 11.40—Dressmaking.
HUIZEN, 11.0—Religious Programme. 11.25—Records. 11.40—Records.
KALUNDBORG, 11.0—Fish Prices. 11.50—Jubilee Programme from London.
OSLO, 11.15—Service. 11.50—Exchange.
PARIS (Radio-Paris), 11.45—Protestant Address.
PRAGUE, 11.0—Record. 11.5—Czech Orchestra. 11.55—For Farmers.

The Philharmonic Orchestra

THURSDAY May 9**3 p.m. (contd.)**

—Exchange. 3.45—Talk: The Exhibition, "Women and the Nation."
DEUTSCHLANDSENDER, 3.0—Weather; Exchange. 3.15—Talks for Mothers. 3.45—Talk: Genealogy.
FRANKFURT, 3.0—Announcements. 3.15—For Children.
HAMBURG, 3.0—Exchange. 3.30—Brazilian Exchange (on Records). 3.40—Shipping Notes.
HILVERSUM, 3.0—A.V.R.O. Octet. 3.40—Dressmaking.
HUIZEN, 3.0—Handicrafts. 3.40—Records.
KALUNDBORG, 3.0—Preil Instrumental Ensemble. In the Interval at 3.35: Reading (Kallas).
KÖNIGSBERG, 3.0—Markets. 3.10—Eurythmics. 3.40—Book Review. 3.55—Talk: Economics.
LEIPZIG, 3.0—Reading (Quensel). 3.20—Talk. 3.40—Exchange.
MUNICH, 3.0—Reading (D. H. Lawrence). 3.20—String Quartet in D (Jochum). 3.40—Talk for Women: Schiller's Mother.
PARIS (Poste Parisien), 3.15 and 3.45—Exchange.
PARIS (Radio-Paris), 3.45—Exchange.
PRAGUE, 3.45—Exchange; Weather. 3.55—Orchestra.
WARSAW, 3.35—Exchange. 3.45—Records.

4 p.m.

BERLIN, 4.0—Clauberg (Pianoforte), Gebel (Flute), Schauss (Pianoforte), and Hosemann (Cello). 4.30—Schubert. Binz (Pfte.).
BEROMÜNSTER, 4.0-5.0—See Sottens.
BRESLAU, 4.0—Talk: The National Recovery. 4.5—Silesian Monthly Review. 4.15—Talk: Mothers. 4.30—Lovers in the Classics—Dialogues from Schiller's Dramas. Vogt (Commentary).
BRUSSELS (No. 1), 4.45—News.
COLOGNE, 4.0—Hermann Unger. Station Chamber Choir. Conductor: Breuer. 4.30—Reading (Montanus).
DEUTSCHLANDSENDER, 4.0—Variety. Max Preussler Orchestra. Inge Vestan, Leonore Bader (Songs) and Mersowsky (Bandonion).
FRANKFURT, 4.0—Steffani Chamber Music. 4.30—Reading: "Spiel des Schicksals"—Story (Schiller). 4.50—For Garden Lovers.
HAMBURG, 4.0—"They also serve..."—Sketches and Incidents from the Lives of Watchmen, Telephone Operators, etc. 4.45—Book Review.
HILVERSUM, 4.0—Dressmaking. 4.40—For Hospitals.
HUIZEN, 4.0-4.25—Records. 4.40—Bible Reading; Baritone; Organ.
KALUNDBORG, 4.0—Preil Instrumental Ensemble. 4.45—For Boys.
KÖNIGSBERG, 4.5—Four Songs for Women's Voices, Two Horns and Harp (Brahms), by the Wireless Ladies' Choir. Conductor: Firchow. Friedel Ellguth (Harp). 4.35—Talk: Why we play Music. 4.45—Report from the Trakehnen Spring Auction.
LEIPZIG, 4.0—Wawrowsky (Cello) and Blumer (Pfte.). 4.30—Talk: The People of Meiningen. 4.50—Exchange; Brazilian Exchange.
MONTE CENERI, 4.0-5.0—See Sottens.
MUNICH, 4.0—For Farmers. 4.10—"Spring is here again"—Songs. 4.40—Talk on the Film, "Triumph des Willens."
PARIS (Poste Parisien), 4.50—Exchange.
PARIS (Radio-Paris), 4.45—"La Dame aux Camelias"—Play in Five Acts (Dumas, fils).
PRAGUE, 4.0—Orchestra. 4.40—Talk. 4.50—"May" Music; Talks.
SOTTENS, 4.0—Accordion. 4.15—Geneva Radio Orchestra. 4.50—Old Music.
STUTTGART, 4.30—For Women: Discussion: Mothercraft Centres.
TURIN, 4.30—News. 4.40—For Children.
WARSAW, 4.0—Records. 4.30—Talk in French: French Architecture—the Château de Blois and the Château de Chaumont. 4.45—Choir.

5 p.m.

BERLIN, 5.0—See Leipzig.
BEROMÜNSTER, 5.0-6.0—See Sottens.

BRESLAU, 5.0—See Leipzig.
BRUSSELS (No. 1), 5.0—Sound Film Records. 5.30—Organ from the Exhibition.
BRUSSELS (No. 2), 5.0—"The Gipsy Princess." (Kálmán) (Records). 5.30—For Children.
BUCHAREST, 5.0—Orchestra.
BUDAPEST (No. 1), 5.0—For Farmers. 5.35—Farkas Cigány Band.
BUDAPEST (No. 2), 5.5—Records.
COLOGNE, 5.0—Station Orchestra. Conductor: Eysoldt.
DEUTSCHLANDSENDER, 5.0—Variety (contd. from 4.0). 5.50—Topical Report: Excavations.
FRANKFURT, 5.0—See Leipzig.
HAMBURG, 5.0—See Leipzig.
HILVERSUM, 5.0—For Hospitals. 5.10—Records. 5.25—Play for Children.
HUIZEN, 5.0—Bible Reading; Baritone; Organ. 5.40—Handwork for Children.
KALUNDBORG, 5.0—For Boys. 5.30—Exchange; Markets. 5.42—Poem. 5.45—Talk: Pierre Hamp, the Workers' Poet.
KÖNIGSBERG, 5.0—See Leipzig.
LEIPZIG, 5.0—Station Orchestra. Conductor: Weber. Göpelt (Baritone), Pastohr (Violin).
MONTE CENERI, 5.0-6.0—See Sottens.
MUNICH, 5.0—Small Station Orchestra. Conductor: Kloss.
OSLO, 5.0—Orchestra.
PARIS (PTT), 5.0—Septet. 5.40—Espéranto.
PARIS (Radio-Paris), 5.0—"La Dame aux Camelias"—(Dumas, fils) (contd. from 4.45).
PRAGUE, 5.0—"May" (contd. from 4.50). 5.15—Reading. 5.35—For Farmers. 5.45—German Transmission. For Children; Talk; Songs; For Farmers.
ROME, 5.5—Paolo Leonori (Cello); Nino Mazziotti (Tenor) and Maria Grimaldi (Soprano). 5.55—Weather.
SOTTENS, 5.0—Old Music. 5.10—Geneva Radio Orchestra. 5.35—Records.
STOCKHOLM, 5.5—Service. 5.30—For Children. 5.45—Records.
STUTTGART, 5.0—See Leipzig.
TURIN, 5.5—Maria Calderoni (Soprano). 5.55—Weather.
VIENNA, 5.0—Talk. 5.15—Talk: The Castles in the Marchfeld. 5.25—Mimi Erb (Soprano). 5.55—Announcements.
WARSAW, 5.0—Report. 5.15—Dramatic Programme. 5.50—Sports.

6 p.m.

ATHLONE, 6.0—For Children. 6.45—News.
BERLIN, 6.0—See 5.0 Leipzig. 6.30—Excerpts from the Letters and Diaries of Helmuth von Moltke.
BEROMÜNSTER, 6.0—Records. 6.30—Talk: The Antarctic.
BRESLAU, 6.0—See 5.0 Leipzig. 6.30—Announcements. 6.50—Time; Weather; Markets.
BRNO, 6.20—Theatre and Film Review. 6.35—Records; News.
BRUSSELS (No. 1), 6.0—Organ from the Exhibition. 6.15—Grieg Records. 6.45—Talk: Auguste De Boeck, a Belgian Composer.
BRUSSELS (No. 2), 6.0—For Children. 6.15—Talk and Reading: Dr. Juul Persyn. 6.45—Suite romantique (Ketelbey).
BUCHAREST, 6.0—News. 6.15—Radio Orchestra. 6.50—Talk.
BUDAPEST (No. 1), 6.0—Farkas Cigány Band. 6.25—English. 6.55—Italian Songs. Paul Lorenzi.
BUDAPEST (No. 2), 6.0—Records. 6.30—Sándor Farkas Cigány Band.
COLOGNE, 6.0—Orchestra (contd. from 5.0). 6.30—Talk for Peasants. 6.45—Weather; Exchange; Sports Notes.
DEUTSCHLANDSENDER, 6.0—Topical Report. 6.15—"Spring and May in Song"—Stenzel (Tenor). 6.35—Talk: Broadcasting under the National Socialists. 6.50—Talk by Kurt Berendt: Official Wireless Periodicals.
FRANKFURT, 6.0—See 5.0 Leipzig. 6.30—Art Report. 6.35—See Deutschlandsender. 6.55—Weather; Exchange; Programme Announcements; Time.
HAMBURG, 6.0—See 5.0 Leipzig. 6.30—Review. 6.45—Exchange; Shipping Notes. 6.55—Weather.
HILVERSUM, 6.0—Play (contd. from 5.25). 6.10—Records. 6.20—Light Music. A.V.R.O. Decibels. Conductor: Mecnk.
HUIZEN, 6.0—For Children. 6.10—

Organ Recital.

by Blaauw.
KALUNDBORG, 6.0—Talk (contd.

from 5.45). 6.15—English. 6.45—Wireless Notes.
KÖNIGSBERG, 6.0—See 5.0 Leipzig. 6.30—Market Prices. 6.40—For Farmers.
LEIPZIG, 6.0—Orchestra and Soloists (contd. from 5.0). 6.30—Talk: Margrave Ludwig von Baden. 6.50—"In a Hitler Youth Camp"—Sequence on Records.
MOSCOW (No. 1), 6.30—From the Popular Song to the Symphony—Orchestra. Conductor: Piatigorsky. Soloist: Kovaleva.
MUNICH, 6.0—Orchestra (contd. from 5.0). 6.30—Report: The Official Journal of the Hitler Youth (on Records).
OSLO, 6.0—Recitations. 6.30—Religious Address. 6.55—Announcements.
PARIS (Poste Parisien), 6.20—Exchange 6.25—For Children. 6.57—Records.
PARIS (PTT), 6.0—Talks. 6.30—News.
PARIS (Radio-Paris), 6.0—"La Dame aux Camelias" (Dumas, fils) (contd. from 4.45). 6.30—Notes for Farmers; Talk on the Cuckoo; Exchange; Markets; Racing Results. 6.50—Talk for Ex-Service-men.
PRAGUE, 6.0—German Transmission (contd. from 5.45). 6.45—News. 6.55—Record.
SOTTENS, 6.0—For Women. 6.30—Bridge. 6.45—Talk for Mountaineers.
STOCKHOLM, 6.0—Records. 6.45—English.
STUTTGART, 6.0—See 5.0 Leipzig. 6.30—Spanish. 6.45—Discussion.
TURIN, 6.0—For Farmers. 6.45—Tourist Report; Dopolavoro Notes.
WARSAW, 6.0—Ostrowska (Songs). Son tutto duolo (Scarlati). Ständchen (Brahms). Dein blaues Auge (Brahms). Zueignung (Strauss). Canzonetta veneziana (Saderò). 6.15—Talk: Literature and Sociology. 6.30—Letter-box. 6.40—Literary and Art Notes. 6.45—Lehár Records.

7 p.m.

ATHLONE, 7.0—French. 7.15—To be announced. 7.30—Time. 7.31—Irish Music. Station Orchestra. Ellis Denn (Songs).
BERLIN, 7.0—Report: The Hitler Youth Movement. 7.20—Busoni. Two Movements from Brautwahl Suite. Tanzwalzer (on Records), by the Frankfurt Station Orchestra. Conductor: Rosbaud. 7.40—Evening Echoes.
BEROMÜNSTER, 7.0—Announcements. 7.5—League of Nations Report. 7.15—Marches, Songs, and Waltzes. Radio Orchestra. Conductor: Neppach. 7.45—For Amateur Photographers.
BORDEAUX-LAFAYETTE, 7.45—Gaston Programme.
BRATISLAVA, 7.30—One-Act Opera (Nottara), from the Slovak National Theatre. Conductor: Vincoutelk.
BRESLAU, 7.0—See Frankfurt.
BRUSSELS (No. 1), 7.0—Pianoforte Concerto in A minor (Grieg), on Records. 7.30—Art Review; For Women.
BRUSSELS (No. 2), 7.0—Talk: Textiles. 7.15—Polovtsian Dances, "Prince Igor" (Borodin) (Records). 7.30—Tourist Notes.
BUCHAREST, 7.0—Talk. 7.10—Talk. 7.35—Opera Relay.
BUDAPEST (No. 1), 7.0—Italian Songs (contd. from 6.55). 7.40—Talk.
BUDAPEST (No. 2), 7.0—Talk. 7.35—Trio.
COLOGNE, 7.0—Light Music. Station Chamber Quintet. 7.30—"The Silent People"—Fairy Tale for Grownsups (Obling). Music by Kasten. 7.50—Snapshots.
DEUTSCHLANDSENDER, 7.0—See Frankfurt.
FRANKFURT, 7.0—"Invitation to the Dance"—Concert by the Station Orchestra. Conductor: Rosbaud. Polka, "The Two Widows" (Smetana). Nordische Weisen (Grieg): (a) Kurehingen, (b) Bauernanz. Tarantella from "Masaniello" (Auber). Two Hungarian Dances (Brahms). Jota aragonesa (Glinka). Greek and Moorish Dances, "Othello" (Verdi). Eastern Dance from the Ballet Suite (Verdi). Eastern Dance from the Ballet Suite (Glazunov). Arabian Dance from Mlada (Rimsky-Korsakov). Marionette Dance from the Ballet Suite (Glazunov). Dance of the Automaton, "Coppélia" (Delibes). Kaiserwalzer (Strauss).
HAMBURG, 7.0—Military Band from Sietina. Conductor: Möller.

HILVERSUM, 7.0—Light Music (contd. from 6.20). 7.10—Sports Talk. 7.40—Choir. Conductor: Poortman.
HUIZEN, 7.0—Blaauw (Organ). 7.10—Talk by Mlle. A. v. Amerongen, Salvation Army Captain. 7.40—Police Messages. 7.55—Report.
KALUNDBORG, 7.0—News. 7.15—Talk: The Opening of the Railway Bridges over the Belts, May 14-15. 7.30—Talk: Palestine today.
KÖNIGSBERG, 7.0—Weather: Announcements. 7.10—To be announced. 7.30—Songs by Young People. Conductor: Neubert.
LEIPZIG, 7.0—Sequence (contd. from 6.50). 7.40—Report from an Erzbergbirg Farm.
MONTE CENERI, 7.15—Quartet in E flat (Beethoven). 7.45—News.
MORAVSKA-OSTRAVA, 7.10—Record. 7.15—Medical Talk. 7.30—Station Orchestra. Conductor: Divis.
MOSCOW (No. 1), 7.0—Orchestra and Soloist (contd. from 6.30).
MUNICH, 7.0—August Reuss Station Orchestra. Conductor: Winter. Georgii (Pianoforte). Symphonic Poem, Judith. Pianoforte Concerto in G minor. 7.45—"Hans Kloeppfer"—Sequence (Kühne-Hellmessen). Elise Aulinger, Theodor Auizinger, and Adalbert Spenger (Speakers). The Winter Brothers (Styrian Folk Songs).
OSLO, 7.0—Announcements. 7.30—Light Music.
PARIS (Eiffel Tower), 7.0—News. 7.15—Weather. 7.25—Racing Results. 7.30—Talk.
PARIS (Poste Parisien), 7.0—Records. 7.7—Sports. News. 7.25—Announcements. 7.28—Verney Orchestra.
PARIS (PTT), 7.45—Talk. 7.53—Medical Talk.
PARIS (Radio-Paris), 7.0—Talk on Economics. 7.30—Weather. 7.35—Review of the German Press. 7.40—Talk by Robert Kemp: Interpretation, 1935.
PRAGUE, 7.0—Time; News. 7.10—Record. 7.15—Russian. 7.30—See Moravská-Ostrava.
RADIO-NORMANDIE, 7.0—Request Music.
ROME, 7.0—News in Foreign Languages.
SOTTENS, 7.0—Pianoforte Solos. 7.15—Music Talk. 7.40—News.
STOCKHOLM, 7.0—English (contd. from 6.45). 7.15—News. 7.30—Community Singing.
STRASBOURG, 7.0—Classical Records. 7.30—News. 7.45—Records.
STUTTGART, 7.0—"A Dream of Flowers"—Light Music and Dance Music. Willi Wedge Orchestra. In the Interval: Humorous Items.
TULOUSE (Radio-Toulouse), 7.0—"Le Déménageur"—Sketch. 7.20—Soloists. 7.30—News. 7.45—Light Music. 7.55—Musical Comedy Music.
TURIN, 7.0—News in Foreign Languages.
VIENNA, 7.0—News. 7.20—The Chemical, Glass, and Paper Industries—Report from Factories in Traiskirchen and Wimpasing: "The Song of the Chemical Industry" (Barrl).
WARSAW, 7.0—Lehár Records. 7.7—Programme Announcements. 7.15—For Young Peasants. 7.25—Sports. 7.35—Steinberger (Pianoforte). Andante with Variations in F minor (Haydn). Etude in F sharp (Arenski). Waltz in E flat (Arenski). 7.50—Topical Talk.

8 p.m.

ATHLONE, 8.0—Irish Music (contd. from 7.31). 8.30—Irish Play.
BERLIN, 8.0—News; Announcements. 8.15—See Königsberg.
BEROMÜNSTER, 8.0—Talk: Swiss Films. 8.15—Adolf Hamm (Organ) and Marta Linz (Violin) from the Cathedral, Basle.
BORDEAUX-LAFAYETTE, 8.0—Talk. 8.15—News; Exchange; Records. 8.30—Operetta Music. Station Orchestra. Conductor: Guiraud. Nadia Delhy and Norys (Songs).
BRATISLAVA, 8.0—Opera (Nottara) (contd. from 7.30). 8.45—Station Orchestra. Conductor: Dyk. Waltz, Traum Ideale (Fučík). Pizzicato (Morena). By the Blue Hawaiian Waters (Ketelbey). Waltz Intermeezzo (Hlaváček). March (Hora).
BRESLAU, 8.0—Announcements. 8.15—See Königsberg.
BRUSSELS (No. 1), 8.0—Concert Version
"Land of Smiles"
—Operetta (Lehár) with Com-

mentary. The Radio Orchestra. Conductor: Gason.
BRUSSELS (No. 2), 8.0—Flemish Composers. Symphony Orchestra. Conductor: André. van Schoten Women's Choir; Stoefs (Flute); Van de Velde (Recitations). Le matin (Duvosel). Fanfalucca (Gilson). La fontaine de Plinius (Meulemans). Overture on the "Wilhelmus" (Van Hoof). Cantatas (Verhoeven): (a) De Lange Wapper. (b) De zingende vogels. Symphonic Poem, Tryphème (Guns). 8.45—Talk: van der Weyden, the Painter.
BUCHAREST, 8.0—Opera Relay (contd. from 7.35).
BUDAPEST (No. 1), 8.0—Talk. 8.15—Budapest Concert Orchestra. Conductor: Ormándy.
BUDAPEST (No. 2), 8.0—Trio. 8.30—News. 8.55—Bachmann Quintet.
COLOGNE, 8.0—News. 8.15—See Königsberg.
DEUTSCHLANDSENDER, 8.0—Motto; Weather; Announcements. 8.15—See Königsberg.
FRANKFURT, 8.0—Time; News: To-day's Mirror. 8.15—See Königsberg.
HAMBURG, 8.0—News. 8.15—See Königsberg.
HILVERSUM, 8.0—Choir (contd. from 7.40). 8.10—"Summer Journeys"—Four Sketches (Felderhof). 8.40—Time; News. 8.45—Light Music with Records. Kovacs Lajos Orchestra. A.V.R.O. Girls.
HUIZEN, 8.0—Report. 8.10—Press Review. 8.40—News. 8.45—"Christus"—Oratorio (Liszt). The "Sursum Corda" Mixed Choir of Leyden and Soloists.
KALUNDBORG, 8.0—Gala Programme for the Copenhagen Town Improvement Association Jubilee, from the Town Hall. Royal Life Guards Orchestra. Conductor: Dyring; Students' Choir. Conductor: Hye-Knudsen; Methling (Recitations); Tenna Kraft and Høeberg (Songs). Overture, "Elverhøj" (Kuhlau). Cantata, Song of the Town (Henrichsen). Presidential Address. Songs: (a) Absalon bygged Borg ved Havn (Lembcke), (b) Oluf's Ballad, "Elverskud" (Gade). Danish Song Potpourri. Songs. Duet, "King and Marshal" (Heise). Selection, "Waldemar" (Fröhlich). Address by Herr Stauning. Choir: (a) Du danske Mand (Nielsen), (b) Folk Song. Rosselle og hendes Moder, (c) Kornmodsglansen (Lange-Müller). Festival Polonaise (Svendsen).
KÖNIGSBERG, 8.0—News. 8.15—"The Kurische Nehrung"—Sequence arranged by Bormann. Music (Kurische Suite) by Otto Besch. The Small Station Orchestra. Conductor: Brückner.
LAHTI, 8.0—Orchestra. 8.45—News.
LEIPZIG, 8.0—News. 8.15—See Königsberg.
MONTE CENERI, 8.0—Request Opera Records. 8.30—Talk by Dr. Fausto Pedotti: My Profession. 8.45—Request Records.
MOSCOW (No. 1), 8.0—Orchestra and Soloist (contd. from 6.30).
MUNICH, 8.0—News. 8.15—See Königsberg.
OSLO, 8.0—Talk. 8.30—Songs.
PARIS (Eiffel Tower), 8.0—Topical Talks. 8.30—Records.
PARIS (Poste Parisien), 8.0—Interlude; Talk. 8.20—Review by Max Régner. 8.25—"L'As"—Three-Act Play (Noé-Alix-Poindoué).
PARIS (PTT), 8.0—"Romanian National Festival"—a Romanian Music by Julius Herz (Pianoforte) and Lyanne Martin (Songs). Sonata (Andric). Bocata (Enescu). Two Romanian Dances (Béla Bartók). Two Songs (Verescu). Pastorale (Mihalovici). The Spinning Wheel (Gofestan). Melody (Nottara). Rustic Dance (Boskoff). 8.30—Old French Song Hits.
PARIS (Radio-Paris), 8.0—Reading (Tristan Bernard). 8.30—News. 8.45—National Orchestra. Conductor: Inghelbrecht. Vera Pecters and Gauley (Songs) and Froumenty (Pianoforte). La Tragédie de Salomé.
Schmitt
Pianoforte and Orchestra: Ballad.
Fauré
Excerpt, "Pelléas et Mélisande" (Debussy).
PRAGUE, 8.0—"The Lost Letter"—Comedy in Four Acts (Caragiale).
RADIO-NORMANDIE, 8.0—Variety. 8.15—Programme by Simplice. 8.30—Light Music. 8.50—Talk.
ROME, 8.0—News (English). 8.10—Italian Lesson for English Advanced Students. 8.30—News. 8.40—Talk. 8.50—Haydn and Italian Composers. Symphony Concert. Conductor: Alceo Toni.

8 p.m. (contd.)

SOTTENS, 8.0—"Contemporary Swiss Composers." Geneva Radio Orchestra. Marche vaudoise (Dalcroze). Symphonic Suite on Themes from "Davel" (Doret). Violin: Romance (Honegger). Danse des enfans (Honegger). Symphonic Poem, Helvetia (Scassola). Pastorale d'été (Honegger). Serenade (Schoeck). In the Interval at 8.35: Talk: The Caravan Route from Luxor to the Red Sea. STOCKHOLM, 8.0—"The Quarrel"—Play (Vildrac). STRASBOURG, 8.0—News in German. 8.30—"Monsieur de Pourceaugnac"—Opera-Bouffe in Three Acts (Bastide). Orchestra and Soloists. Conductor: De Villers. STUTTGART, 8.0—News. 8.15—See Königsberg. TOULOUSE (Radio-Toulouse), 8.0—Musical Comedy Music. 8.15—Concert. 8.30—Operetta Music. TURIN, 8.0 News (English). 8.10—Italian Lesson for English Advanced Students. 8.30—Time; News. 8.40—Talk. 8.50—To be announced. VIENNA, 8.0—Vienna Teachers' A-cappella Choir from the Musikvereinssaal. Conductor: Hans Wagner-Schönkirch. Josef Liebl (Bass) and Roman Hentsch (Baritone). Morgenfeier (Neuhöfer). Zwischen zwei Regenbogen (Führich). Bass and A-cappella Male Voice Choir: Gottesminne (Hans Wagner-Schönkirch). Baritone and A-cappella Male Voice Choir: Mystisches Gebet (Wagner-Schönkirch). Idyl (Heuberger). Ungeweinte Tränen (Keldorfer). Mit Lust will ich ein Liedlein singen (Czajaneck). Fire, Fire! (Morley-von Orhegraven). 8.45—See Paris (Radio-Paris). WARSAW, 8.0—Songs and Dances (Kurpiński) for the Hundred and Fiftieth Anniversary of the Composer's Birth. Station Orchestra. Conductor: Nawrot. Korolkiewicz (Baritone) and Kobowska (Pianoforte). Introductory Talk by Alice Simon. 8.45—News. 8.55—Talk: Life and Work in Poland.

9 p.m.

ATHLONE, 9.0—Songs and Stories by Cathal O'Byrne. 9.15—M. J. Morris (Traditional Fiddle). 9.30—Variety. FERLIN, 9.0—

Waltzes

Small Station Orchestra. Conductor: Willy Steiner. Käthe Herwig (Soprano) and Walther Thiele (Pianoforte). Pianoforte Solos: (a) Die Romantiker (Lanner), (b) Waltz (Schubert). Soprano Solos: (a) Waltz (Beethoven), (b) The Blue Danube (Strauss). Pianoforte Solos: (a) Waltz from the Serenade (Tchaikovsky), (b) Laurawalzer (Millöcker), (c) Tales from the Vienna Woods (Strauss). Soprano (a) A toi (Waldteufel), (b) Glauben Sie noch an Märchen (Hahn). Dynamiden (Strauss). Soprano: (a) Waltz from "Das Veilchenmäd" (Hellmesberger), (b) Mimosa, "The Geisha" (Jones), (c) Wie kommt es nur, dass man beim Walzer immer an Liebe denkt (Hahn). Waltz, "The Three Old Hags" (Kollo). Waltz, "Gipsy Love" (Lebár). BEROMÜNSTER, 9.30—News. 9.40—Swiss Songs to the Lute. Rico Jenny. BORDEAUX-LAFAYETTE, 9.0—Operetta Music (contd. from 8.30). BRATISLAVA, 9.0—Orchestra (contd. from 8.45). 9.15—Talk. 9.30—"Cello Concerto in D (Haydn), by Popoff and the Station Orchestra. Conductor: Dyk. BRESLAU, 9.0—"May is here!"—Sequence (Adamski). Music by Scorra. Conductor: Gielnik. BRUSSELS (No. 1), 9.0—Concert Version, "The Land of Smiles"—Operetta (Lehár) (contd. from 8.0). BRUSSELS (No. 2), 9.0—Flemish Composers (contd. from 8.0). 9.50—The Angelus. BUCHAREST, 9.0—Opera Relay (contd. from 7.35). BUDAPEST (No. 1), 9.0—Orchestra (contd. from 8.15). BUDAPEST (No. 2), 9.0—Bachmann Quintet. COLOGNE, 9.0—Concert. A Village Band, a Bandonion Club, Street Musicians, Mouth-Organ, Guitars and a Thirteen-year-old Accordionist. Rudi Rauher (Compère). DEUTSCHLANDSENDER, 9.0—See Munich. FRANKFURT, 9.0—

Johann Strauss

Concert from Bad Nauheim. Orchestra and Choir. Conductor:

Stöver. Milizia Korjus (Coloratura Soprano). Excerpts, "Die Fledermaus." Tales from the Vienna Woods. Soprano and Orchestra: Waltz, Frühlingstimmen. Choir and Orchestra: Waltz, The Blue Danube. HAMBURG, 9.0—See Munich. HILVERSUM, 9.0—Light Music (contd. from 8.45). HUIZEN, 9.0—"Christus"—Oratorio (Liszt) (contd. from 8.45). JUAN-LES-PINS (Radio Côte d'Azur), 9.0—News. 9.15—Play. KALUNDBORG, 9.0—Gala Programme (contd. from 8.0). KÖNIGSBERG, 9.0—Wind Band. Conductor: Stieberitz.

STOCKHOLM, 9.0—"The Quarrel" (Vildrac) (contd. from 8.0). 9.30—Song Records. STRASBOURG, 9.0—"Monsieur de Pourceaugnac"—Opéra-Bouffe (Bastide) (contd. from 8.30). In the Interval at 9.30: News in German. STUTTGART, 9.0—Schiller Programme for the Anniversary of his Death. Elwenspöck (Commentator). Scenes, "Die Räuber," "Kabale und Liebe," "Fiesco," "Don Carlos," "Maria Stuart" and "Die Jungfrau von Orleans." TOULOUSE (Radio-Toulouse), 9.0—Concert Version, "Les Saltimbanques" (Ganne). 9.40—Humor-

DEUTSCHLANDSENDER, 10.0—News; Sports Notes. Announcements. FRANKFURT, 10.0—Time; News. 10.15—Announcements; Weather; Sports Notes. 10.20—Report by Paul Laven: Motor Car Manufacturing. HAMBURG, 10.0—News. 10.25—Music. HILVERSUM, 10.0—Light Music (contd. from 8.45). 10.10—The 1935 Dutch Music Festival from the Concertgebouw, Amsterdam. The Concertgebouw Orchestra. Conductor: Willem Mengelberg. Choir. To v.d. Sluys (Soprano). Dutch Comedy Overture (Röntgen). Songs (Andriessen). Selection, "Beatrice" (Landré). Work Amstredam (R. Mengelberg). HUIZEN, 10.0—"Christus"—Oratorio (Liszt) (contd. from 8.45). In the Interval at 10.10: News; Records. KALUNDBORG, 10.0—Gala Programme (contd. from 8.0). 10.10—News. 10.25—Octet in F (Gade). KÖNIGSBERG, 10.0—Wind Band (contd. from 9.0). 10.10—News; Sports Notes. 10.30—Morse Lesson. LEIPZIG, 10.0—News; Sports Notes. 10.20—Talk (on Records): Broadcasting under National Socialism. 10.35—See 9.0 Berlin. MOSCOW (No. 1), 10.5—French Programme. (a) Talk: Women and Politics; (b) Letter-box. MUNICH, 10.0—Time; News; Exchange; Sports Notes. 10.20—To be announced. OSLO, 10.0—Topical Talk. 10.15—Reykjavik Male Voice Choir; Orchestra. PARIS (Poste Parisien), 10.0—"L'As"—Play (contd. from 8.25). 10.30—"Lucky Dip"—Records. PARIS (PTT), 10.0—French Songs. 10.30—News. PARIS (Radio-Paris), 10.0—Romanian Music—(contd. from 9.45). 10.30—Weather. 10.45—Pascal's Orchestra. PRAGUE, 10.0—Time; News. 10.15—Light Music. Prague Chamber Orchestra. Conductor: Hertl. RADIO-NORMANDIE, 10.0—Variety. ROME, 10.0—Haydn and Italian Composers (contd. from 8.50). SOTTENS, 10.0—Cabaret 10.10—League of Nations. Report from Geneva. 10.20—Weather. STOCKHOLM, 10.0—Goteborg Chamber Orchestra. Conductor: Mann. Bronislav Gimpel (Violin). Pieces (Olsson-Mann): (a) Fantasia cromática, (b) Sextet, (c) Berceuse. Violin Sonata in G minor—Il Trillo del Diavolo (Tartini). First Meeting (Grieg). Norwegian Melody (Greig). Violin: Rondo capriccioso (Saint-Saëns). Largo in F sharp (Haydn). Minuet (Boccherini). Tambourin (Grétry). Gavotte (Martini). STUTTGART, 10.0—Time; News; Sports Notes. 10.30—Handel Sonatas. Oskar Schmidt (Violin). Wilhelm Kraus (Harpischord), Sonata in D. Sonata in F. TOULOUSE (Radio-Toulouse), 10.0—"En Languedoc" (contd. from 9.45). 10.20—Band. 10.30—News. 10.45—Sound Film Music. TURIN, 10.0—"Orseolo"—Opera (Pizzetti) (contd. from 9.0). VIENNA, 10.0—News. 10.10—Talk on Economics. 10.20—Viennese Operetta Music—Vienna Symphony Orchestra. Conductor: Holzner. March, "Die Landstreicher" (Ziehrer). Song, "Das süsse Mäd" (Reinhardt). Excerpt, "Frühlingsluft" (Strauss-Reiterer). Song, "Der Opernball" (Heuberger). Songs (Heuberger), from (a) "Wien bei Nacht," (b) "Das Veilchenmäd," Song, "Auf Befehl der Herzogin" (Granchstädt). Songs, "A Waltz Dream" (Straus). Excerpts (Fall) from (a) "Die geschiedene Frau," (b) "Madame Pompadour" Song "Liebe im Schnee" (Benatzky), Songs (Kálmán) from (a) "Ein Herbstmanöver," (b) "Die Bajadere." Song, "Hoheit tanzt Walzer" (Ascher). Excerpts (Eysler): (a) "Bruder Straubinger," (b) "Der Frauenfresser." Excerpts (Lehár): (a) "The Land of Smiles," (b) "Gipsy," Love," (c) "Wiener Frauen." WARSAW, 10.0—Announcements. 10.15—Dance Music.

THURSDAY May 9

11 p.m.

BARCELONA, 11.0—News; Band, BERLIN, 11.0—See Deutschlandsender. BRESLAU, 11.0—See Deutschlandsender. BUDAPEST (No. 1), 11.0—Commentary (contd. from 10.40). 11.10—Heinemann Jazz Band. COLOGNE, 11.0—See Deutschlandsender. DEUTSCHLANDSENDER, 11.0—Transmission for all German Stations. Contemporary Music. Station Orchestra. Conductor: Mayer. Nachtgedanken (Schröder). Sinfonietta Bajuvarica (Rüdinger). FRANKFURT, 11.0—See Deutschlandsender. HAMBURG, 11.0—See Deutschlandsender. HILVERSUM, 11.0—Dutch Music Festival (contd. from 10.10). 11.10—Dutch Poetry. 11.40—News. 11.50—Jack de Vries Dance Band from "La Gaité," Amsterdam. HUIZEN, 11.0—"Christus"—Oratorio (Liszt) (contd. from 8.45). 11.25—Dance Records. KALUNDBORG, 11.0—Octet (contd. from 10.25). 11.5—Peterson Dance Band. KÖNIGSBERG, 11.0—See Deutschlandsender. LEIPZIG, 11.0—See Deutschlandsender. MADRID (EAJ7), 11.5—News. 11.15—Act 3, "The Barber of Seville"—Opera (Rossini) on Records. MOSCOW (No. 1), 11.5—Spanish Programme for Women. MUNICH, 11.0—See Deutschlandsender. OSLO, 11.0—Reykjavik Male Voice Choir; Orchestra. PARIS (Poste Parisien), 11.0—Exchange. PARIS (Radio-Paris), 11.0—Pascal's Orchestra. RADIO-NORMANDIE, 11.0—Records. REYKJAVIK, 11.0—Station Orchestra; Palestrina Records; Dance Music. ROME, 11.0—News. STUTTGART, 11.0—See Deutschlandsender. TOULOUSE (Radio-Toulouse), 11.0—Orchestra. 11.15—Opera Music. Songs. 11.45—Viennese Orchestra. TURIN, 11.0—News. 11.10—News in Spanish. VIENNA, 11.0—Operetta Music (contd. from 10.20). 11.30—Announcements. 11.45—Seebach Dance Band. Sternau (Song Refrains). WARSAW, 11.0—Weather. 11.5—Records: Jack Payne's Dance Band.

12 midnight

BARCELONA, 12.15—Records. BUDAPEST (No. 1), 12.0—Dance Music. 12.5—News. COLOGNE, 12.0—Goodnight Poem. FRANKFURT, 12.0.1.0—See Stuttgart. HAMBURG, 12.0—German Opera Music. Station Choir, Symphony Orchestra and Soloists (on Records). HILVERSUM, 12.0—Dance Band (contd. from 11.50). HUIZEN, 12.0.12.10—Dance Records. KALUNDBORG, 12.0.12.30—Chimes; Petersen Dance Band. MADRID (EAJ7), 12.0—Flamenco Songs with Guitar Accompaniment; Dance Music. 12.45—News. RADIO-NORMANDIE, 12.0—Dance Music. REYKJAVIK, 12.0—Station Orchestra; Palestrina Records; Dance Music. STUTTGART, 12.0—Bach. Hayn (Organ), from Ulm Cathedral. Prelude and Fugue in E minor. Chorals: (a) Ich ru' zu dir, (b) Herzlich tut mich verlangen, (c) Jesu, meine Freude. Toccata and Fugue in D minor. 12.30—Juan Manen (Violin), Herbert Giesen (Pianoforte). TOULOUSE (Radio-Toulouse), 12.0—"Au caveau de minuit"—Fantasy. 12.15—News. 12.20—Military Band. VIENNA, 12.0—Seebach Dance Band.

1 a.m. (Friday)

FRANKFURT, 1.0—See Stuttgart. RADIO-NORMANDIE, 1.0—News; Dance Music. STUTTGART, 1.0—Wind Band. Conductor: Goldberg.



Inghelbrecht, who conducts the National Orchestra in to-night's Radio-Paris concert at 8.45 p.m.

LAHTI, 9.0—News (Swedish). LEIPZIG, 9.0—See Munich. MONTE CENERI, 9.0—Request Records. 9.30—Organ Recital by Favini, from the "Chiesa degli Angeli." Prelude and Fugue in C minor (Favini). Choral, Our Father (Kaminski). Choral, Glory to God in the Highest (David). Fantasia (Jesinghaus). Concerto in D minor on Einsiedeln's "Salve Regina" (Rehm). MOSCOW (No. 1), 9.0—German Talk: Women in the Great War. 9.55—Chimes. MUNICH, 9.0—"The Joys of May"—Variety. OSLO, 9.0—Report from Skaane, Sweden. 9.40—News. PARIS (Eiffel Tower), 9.0—Records. PARIS (Poste Parisien), 9.0—"L'As"—Play (contd. from 8.25). PARIS (PTT), 9.0—Old French Song Hits. 9.30—French Songs. PARIS (Radio-Paris), 9.0—Orchestra (contd. from 8.45). 9.45—

Romanian Music

—Concert for the National Festival. National Orchestra. Conductor: Inghelbrecht. Romanian Rhapsody in A (Enesco). Bagatelles (Klepper). Romanian Dances (Otesco). Divertissement (Mihalovici). Autumn Twilight (Alessandresco). Romanian Rhapsody in G (Stan Golestan). PRAGUE, 9.0—"The Lost Letter"—Comedy (Caragiale) (contd. from 8.0). 9.30—Records. RADIO-NORMANDIE, 9.0—Variety. ROME, 9.0—Haydn and Italian Composers (contd. from 8.50). In the Interval: Talk on Literature and Art. SOTTENS, 9.0—"Contemporary Swiss Composers" (contd. from 8.0). 9.10—News. 9.20—Cabaret-

ous Scenes. 9.45—"En Languedoc"—Radio Fantasy. TURIN, 9.0—"Orseolo"—Opera (Pizzetti), from Florence. In the Interval: Talk, Art Notes. VIENNA, 9.0—See 8.45 Paris (Radio-Paris). 9.45—Talk by Leo Slezak: Lohengrin. WARSAW, 9.0—Station Orchestra. Conductor: Oziminski. Magyar Tomas (Violin). Overture, "Russian and Ludmilla" (Glinka). Violin Concerto in D (Tchaikovsky). Introduction, "Die Königskinder" (Humperdinck). Moorish Rhapsody (Humperdinck).

10 p.m.

ATHLONE, 10.30—Time; News. 10.40—Dance Music. BERLIN, 10.0—News; Sports Notes. 10.30—Waltzes (contd. from 9.0). BEROMÜNSTER, 10.0—Weekly Review for Swiss Nationals Abroad. 10.30—Weather. BORDEAUX-LAFAYETTE, 10.0—Operetta Music (contd. from 8.30). BRATISLAVA, 10.15—News in Hungarian. BRESLAU, 10.0—Time; News; Sports Notes. 10.30—Sec 9.0 Berlin. BRUSSELS (No. 1), 10.0—News. 10.10—Concert from the Exhibition. BRUSSELS (No. 2), 10.0—News. 10.10—Sound Film Records. BUCHAREST, 10.0—Opera Relay (contd. from 7.35). BUDAPEST (No. 1), 10.0—Orchestra (contd. from 8.15). 10.20—News. 10.40—Commentary on the Hungarian Boxing Championship. COLOGNE, 10.0—News; Weekly Review. 10.20—Ida Gille (Guitar). Rondo (Sor). Etude (Coste). 10.35—Spring Songs (Fehres) to Text by Dauthendey.

FRIDAY May 10

PRINCIPAL EVENTS

SYMPHONY CONCERTS

P.M.
 7.0 Hamburg: Swedish music.
 8.10 Breslau: "Der Einsame," oratorio (Langer).
 8.15 Warsaw: Roussel, Mendelssohn, etc.
 8.30 Eiffel Tower: French classics.
 8.30 National: London Music Festival, I. Bach's B minor Mass: Dr. Boulton.
 9.0 Leipzig: Classical programme.
 10.10 Kalundborg: Mozart, Bartok.
LIGHT CONCERTS
 12.15 Radio-Paris: Orchestra, songs.
 5.0 Hamburg, etc.: Popular music.
 6.0 Brussels 2: Radio Orchestra.
 7.0 Leipzig: Folk music.
 7.30 National: Wireless Military Band.
 7.30 Stockholm: Royal Orchestra.
 8.0 Brussels I: Ex-Service Men's Hour.
 8.10 Kalundborg: From opera and operetta.
 8.30 Regional: Songs from the Shows.
 8.30 Sottens: French music.
 8.45 Bucharest: Romanian composers.
 8.45 Huizen: Orchestra.
 8.50 Prague: Romanian music.
 9.10 Beromünster: From Aargau Festival, 1903.
 9.40 Budapest I: Orchestra.
 10.10 Vienna: Spring music.
 10.30 Stuttgart: Orchestra.
 12.0 Frankfurt, Stuttgart: Opera music.
OPERAS
 7.35 Munich: "Rigoletto" (Verdi).
 8.10 Monte Ceneri: "Werther" (Massenet).
OPERETTAS
 8.0 Radio-Paris: "Les Cent Vierges" (Lecocq).
 8.55 Poste Parisien: "Toi c'est moi" (Simons).
CHAMBER MUSIC
 5.15 Warsaw: Quartet, pianoforte.

6.30 Brussels I: Quartet (Mozart).
 8.50 Stockholm: Old music.
 9.30 Frankfurt: Violin, pianoforte (von Hessen).
RECITALS
 3.10 Hilversum: Songs with commentary.
 4.40 Huizen: Pianoforte.
 7.10 Königsberg: Choral songs.
 8.0 Bucharest: Romanian choral music.
 8.0 Regional: Solomon; Chopin.
 9.0 Cologne: Cello, pianoforte.
 10.5 Sottens: Contemporary French organ music.
 10.25 Brussels I: Accordion.
 11.30 Vienna: Reger organ music.
PLAYS
 8.0 Vienna: "Kabale und Liebe."
 8.30 Paris (PTT), Strasbourg: Lamartine evening.
 9.20 Kalundborg: "Duke Christian in the Mountains" (Bang).
 9.50 Rome: "Voci della Radio" (Minucci).
TALKS
 5.30 Brussels I: "The Edison Phonograph, 1900."
 7.0 Breslau: "Silesia Calling."
 9.0 Brussels I: "The Attack on Zeebrugge."
 10.30 Berlin: "Hegel to-day."
LANGUAGE LESSONS
 6.15 Kalundborg: German; 7.20, Beromünster: French; 8.0, Bordeaux-Lafayette: Spanish; 8.10, Rome, Turin: Italian for English beginners.
DANCE MUSIC
 8.15 Königsberg; 9.0, Deutschlandsender; 10.30, Breslau, Regional; 10.35, Radio-Paris; 10.50, Budapest I; 11.0, Kalundborg; 11.5, Warsaw; 11.10, National; 12.0, Radio-Normandie.

NATIONAL

For Time Signals, see Monday
 10.15 a.m. (Droitwich)—Service.
 10.30 (Droitwich)—Weather Forecast.
 10.45—The Health of the Adolescent: "Recreations." By a Doctor.
 11.0—Cinema Organ (Reginald New).
 11.30—For Schools: "Music and Movement for Very Young Children." Ann Driver.
 11.50—Trociadero Cinema Orchestra.
 12.30 p.m.—B.B.C. Dance Orchestra.
 1.15—Birmingham Philharmonic String Orchestra. Sophie Wyss (Soprano).
 2.0-3.0 (Scottish)—See Regional.
 2.0 (except Scottish)—For Schools: Reception Test. 2.5—Travel Talk. 2.30—Music.
 3.0—The Scottish Studio Orchestra. Overture, Suzanne's Secret (Wolf-Ferrari). Waltz, Delle bionde (De Fenango). Spring in China (Gyldenmark). Poem (d'Erlanger). Jota aragonesa (Albeniz). On the Lake (Godard). The Twittering of the Swallows (Billi). Love Serenade (Morini). Selection, London Ronald's Songs (arr. Gechl).
 3.45—Records: Dance Bands.
 4.15—The Hotel Metropole Orchestra.
 5.15—The B.B.C. Dance Orchestra.
 6.0—"The First News."
 6.30—Food for "Health": "The Mother." By a Doctor.
 6.45—"In Your Garden." C. H. Middleton.
 7.5—"The Foundations of Music." Bach Keyboard Music.
 7.30—The Wireless Military Band. Conductor, B. Walton O'Donnell. Alannah Delias (Pianoforte). Band: March, The Liberators (Ancliffe); Celtic Overture (Foulds). Alannah Delias: Merry Andrew (Ireland); Miss Remington, Danse nègre (Scott); Andante (Balfour Gardiner); Polka (Berkeley). Band: Ballet Music, Faust (Gounod).
 8.15—Introductory Talk to London Music Festival Concert: Scott Goddard.
 8.30—London Music Festival, 1935. Bach's Mass in B minor. Isobel Baillie (Soprano); Margaret Balfour (Contralto); Parry Jones (Tenor); Harold Williams (Bartitone); B.B.C. Chorus and Symphony Orchestra. Conductor, Adrian Boult. Part 1.
 9.40—News Summary.
 9.55—Bach's Mass in B minor, Part 2.
 11.10-12.0 (Droitwich)—Harry Roy.

REGIONAL

For Time Signals, see Monday
 10.15-10.45 a.m. (except Midland)—Droitwich.
 10.45—The Western Studio Orchestra.
 11.45—Organ (Ernest W. Maynard).
 12.15 p.m.—Records.
 1.0—Coventry Hippodrome Orchestra.
 2.0 (except Scottish)—Records.
 2.5 (Scottish)—For Schools: Interlude. 2.10—Speech Training. 2.35—Geography.
 2.30 (Scottish from 2.55)—The Broadhurst Septet. April Pendarvis (Contralto).
 3.30—B.B.C. Midland Orchestra.
 4.45—Records.
 5.15—"The Children's Hour."
 6.0—"The First News."
 6.30 (Regional, N. Ireland)—Variety Trio.
 6.30 (Midland)—Records.
 6.30 (Northern)—Cinema Organ.
 6.30 (Scottish)—"Next week you'll hear."
 6.30 (Western)—Studio Orchestra.
 6.40 (Scottish)—The Week-end.
 6.50 (Scottish)—Military Band.
 7.0 (Regional, Northern)—Variety.
 7.0 (Western)—Nantlle Vale Orpheus Male Choir. Arthur Williams (Tenor); Ceredig Jones (Bartitone).
 7.0 (N. Ireland)—"Fur and Feather."
 7.15 (Midland)—Review of Reviews.
 7.15 (N. Ireland)—David Curry and Orchestra.
 7.30 (Scottish)—Relay from "Tammie Shanter" (Glasgow).
 7.45 (Western)—Variety (Newport).
 8.0 (Regional, N. Ireland)—Solomon (Pianoforte). Chopin Recital.
 8.0 (Midland)—"Loyalities."
 8.0 (Northern)—Queer Fish—3.
 8.15 (Northern)—Four Fellows and a Pianist.
 8.30—"Songs from the Shows": "From the Royal Box." Cast: Edith Day, Huntley Wright, Adele Astaire, Derek Oldham, José Collins, Thorpe Bates, Olive Groves, Percy Heming, Bertram Wallis, W.H. Berry. Variety Orchestra and Chorus. Compère, John Watt.
 9.30—"The Second News."
 10.0—Conversations in the Train—18.
 10.20 (ex. Scottish)—Dance Records.
 10.20 (Scottish)—Scottish Music.
 10.30-12.0 (Midland till 11.10; Scottish from 11.0)—Harry Roy.
 10.50 (Scottish)—Account of Scotland v. England (Tennis).

Hours of Transmission in British Summer Time

6 a.m.—8 a.m.

BERLIN, 6.15—See Königsberg. 8.0—Gym. 8.20—Records.
 BRESLAU, 6.15—See Königsberg. 8.0—News; Gym.
 COLOGNE, 6.15—See Königsberg. 8.0—Gym.
 DEUTSCHLANDSENDER, 6.20—9.0—Orchestra.
 FRANKFURT, 6.15—See Königsberg. 8.10—Gym.
 HAMBURG, 6.0—Orchestra. 8.15—8.45—Records.
 HILVERSUM, 8.40—Organ.
 HUIZEN, 8.40—Bible Reading; Meditation; Records.
 KÖNIGSBERG, 6.15—Band. 8.0—Prayers. 8.30—Gym.
 LEIPZIG, 6.15—See Königsberg. 8.0—Gym. 8.30—Hymn.
 MUNICH, 6.15—See Königsberg. 8.0—Gym.
 PARIS (Poste Parisien), 7.10—Fanfare; Records; News.
 PARIS (Radio-Paris), 7.0—Records; News. 7.45—Gym. 8.0—Records.
 STUTTGART, 6.15—See Königsberg. 8.10—Gym. 8.30—For Women.
 TURIN, 7.45—Gym. 8.0-8.15—News.

9 a.m.

BERLIN, 9.0—Records. 9.30—Talks.
 BRESLAU, 9.0—Band.
 DEUTSCHLANDSENDER, 9.40—Reading.
 HILVERSUM, 9.0—Organ. 9.10—Records.
 HUIZEN, 9.0—Records.
 MUNICH, 9.35—For Housewives. 9.45—Announcements.
 PRAGUE, 9.35—Police Notes. 9.45—Press Review.

10 a.m.

BERLIN, 10.0—News. 10.15—See Stuttgart.
 BEROMÜNSTER, 10.20-10.50—For Schools.
 BRESLAU, 10.15—See Stuttgart.
 COLOGNE, 10.0—News. 10.15—See Stuttgart. 10.45—Records.

DEUTSCHLANDSENDER, 10.0—News. 10.15—See Stuttgart. 10.45—Kindergarten.
 FRANKFURT, 10.0—News. 10.15—See Stuttgart.
 HAMBURG, 10.15—See Stuttgart. 10.50—News.
 HILVERSUM, 10.0—Records. 10.40—Religious Programme. 10.55—Recitation.
 HUIZEN, 10.0-10.10—Records.
 KÖNIGSBERG, 10.15—See Stuttgart. 10.50—News.
 LEIPZIG, 10.0—Announcements. 10.15—See Stuttgart.
 MUNICH, 10.0—Announcements. 10.15—See Stuttgart.
 PRAGUE, 10.5—News; Records. 10.30—Music Talk.
 STUTTGART, 10.15—Report from the Mercedes Benz Motor Works. 10.45—News.

11 a.m.

BRESLAU, 11.30—News. 11.45—Talk.
 COLOGNE, 11.0—Records. 11.40—Talk.
 DEUTSCHLANDSENDER, 11.0—Gym. 11.15—Weather.
 FRANKFURT, 11.0—Announcements; Records; Exchange. 11.45—Talk.
 HAMBURG, 11.0-11.30—For Schools.
 HILVERSUM, 11.0—Recitations; Records.
 HUIZEN, 11.10—Religious Programme. 11.40—Harmonium and Soprano.
 KALUNDBORG, 11.15—For Schools.
 KÖNIGSBERG, 11.0—Orchestra.
 LEIPZIG, 11.0—Records. 11.30—News.
 MUNICH, 11.0—Market Prices. 11.5—Monachia Schrammel Trio. In the Interval at 11.30: News.
 PRAGUE, 11.0—Records. 11.5—Music and Addresses from the Conservatoire.
 STUTTGART, 11.0—Records.
 TURIN, 11.30—Quintet.

12 noon

BERLIN, 12.0—See Frankfurt.
 BEROMÜNSTER, 12.0—Records.
 BRESLAU, 12.0—See Frankfurt.

BRUSSELS (No. 1), 12.0—Records. Italian Music. 12.20—Kerschaver (Songs). 12.30—Japanese Music. Radio Orchestra. Conductor: Gason.
 BRUSSELS (No. 2), 12.0—Records: "Trial by Jury" (Sullivan). 12.30—Orchestra. Conductor: Walpot.
 BUCHAREST, 12.3—Orchestra.
 BUDAPEST (No. 1), 12.5—Band.
 COLOGNE, 12.0—See Frankfurt.
 DEUTSCHLANDSENDER, 12.0—See Frankfurt.
 FRANKFURT, 12.0—Folk Music. Station Choir, Orchestra and Solists.
 HAMBURG, 12.0—Shipping. 12.10—Wind Band.
 HILVERSUM, 12.0—Records. 12.40—Kovacs Lajos and his Orchestra.
 HUIZEN, 12.0—Harmonium and Soprano. 12.40—Police Messages. 12.55—Van der Horst Ensemble.
 KALUNDBORG, 12.1—Andersen String Ensemble.
 KÖNIGSBERG, 12.0—See Frankfurt.
 MONTE CENERI, 12.0—Announcements. 12.5—Orchestra; Records. 12.55—News.
 MUNICH, 12.0—Orchestra. Conductor: Böhm.
 PARIS (Poste Parisien), 12.0—Exchange. 12.5—Records. 12.25—Interview. 12.35—Variety.
 PARIS (Radio-Paris), 12.15—Light Music. Conductor: Marius François Gaillard. Hélène Baudry (Songs).
 PRAGUE, 12.0—For Farmers. 12.11—Records. 12.25—News. 12.35—Orchestra.
 ROME, 12.30—Records.
 SOTTENS, 12.30—News. 12.40—Records.
 STUTTGART, 12.0—See Frankfurt.
 TURIN, 12.0—Quintet. 12.45—News.
 WARSAW, 12.5—Symphony Records. 12.55—News.

1 p.m.

ATHLONE, 1.30—Weather; Stocks; Records.
 BERLIN, 1.0—Mid-day Echoes. 1.15—See 12.0 Frankfurt.
 BEROMÜNSTER, 1.0—Records. 1.25—Exchange.
 BRESLAU, 1.0—News. 1.15—See 12.0 Frankfurt.

2 p.m.

ATHLONE, 2.0-2.30—Records.
 BERLIN, 2.0—News. 2.15—Orchestra.

BRESLAU, 2.0—Announcements. 2.5—Exchange. 2.10—Records. 2.40—Markets.
 BRUSSELS (No. 1), 2.0-2.45—Educational Programme.
 BRUSSELS (No. 2), 2.0—For Schools.
 COLOGNE, 2.0—News. 2.15-2.45—Humorous Rhymes and Songs by Karl Petry. Heinz Herkrath (Pianoforte).
 DEUTSCHLANDSENDER, 2.0—Variety.
 FRANKFURT, 2.0—News. 2.15—Industrial Review. 2.30—Exchange.
 HAMBURG, 2.0—News. 2.20—Music.
 HILVERSUM, 2.0—Kovacs Lajos and his Orchestra. 2.10—Recitations. 2.30—Records.
 HUIZEN, 2.0—Records. 2.25—Van der Horst Ensemble.
 KÖNIGSBERG, 2.0—News. 2.30—Records.
 LEIPZIG, 2.0—News; Exchange.
 MUNICH, 2.0—News; Exchange.
 PARIS (Poste Parisien), 2.0—Exchange.
 PRAGUE, 2.0—Exchange (German).
 STUTTGART, 2.0—For Ex-Service-men.
 TURIN, 2.0—Exchange; Records. 2.15-2.25—Exchange.

3 p.m.

BERLIN, 3.0—Exchange.
 BEROMÜNSTER, 3.30—Reading.
 BRESLAU, 3.10—Reger Pianoforte Music. 3.40—Book Review.
 COLOGNE, 3.5—Talk. 3.30—Exchange. 3.50—Topical Talk.
 DEUTSCHLANDSENDER, 3.0—Announcements; Exchange. 3.15—"Spring"—a Children's Choir. 3.40—Bruno Nowak reads.
 FRANKFURT, 3.15—Talk: Cornelia Goethe. 3.30—Stories.
 HAMBURG, 3.0—Exchange. 3.30—Brazilian Exchange. 3.40—Shipping.
 HILVERSUM, 3.0—Records. 3.10—Songs, with Commentary. 3.50—Dance Music.
 HUIZEN, 3.0—Van der Horst Ensemble. 3.10—Reading. 3.40—Snijders (Organ).
 KALUNDBORG, 3.30—Rydahl Instrumental Ensemble.
 KÖNIGSBERG, 3.0—Exchange. 3.15—For Children. 3.40—For Women.
 LEIPZIG, 3.10—Art Notes. 3.20—Talk. 3.40—Exchange.

3 p.m. (contd.)

MUNICH, 3.0—"Peasant Customs" (Sauer), 3.40—Reger, Elisabeth Voigt (Soprano) and Erika Neumann (Piano).
PARIS (Poste Parisien), 3.15-3.45—Exchange.
PARIS (Radio-Paris), 3.45—Exchange.
PRAGUE, 3.45—Exchange. 3.55—Quartet (Enescu), by the Ondricek Quartet.
WARSAW, 3.35—Exchange. 3.45—Band.

4 p.m.

BERLIN, 4.0—"Fairland Folk"—Sequence (Spalko). 4.30—Discussion.
BEROMÜNSTER, 4.0—Cornelius, Liszt, and Wagner. Radio Orchestra. Conductor: Hofmann. Rösli Schwenbacher (Piano).
BRESLAU, 4.0—Talk. 4.30—Book Review. 4.45—Talk.
BRUSSELS (Nos. 1 and 2), 4.55—News.
COLOGNE, 4.0—Schubert and Rudolf Herbst Chamber Music. 4.30—Talks: Ethnological Research.
DEUTSCHLANDSENDER, 4.0—

Variety

Hans Joachim Fierke's Band, Lotte Werckmeister (Songs), Ingrid Larsson (Saxophone).
FRANKFURT, 4.0—Hans Kummer Music by the Composer (Piano). 4.30—Talk: The Feminist Movement in Russia, Southern Europe and France. 4.45—Discussion: Insurance.
HAMBURG, 4.0—Kiel Orchestral Society. Conductor: Döring. 4.45—Extracts from the "Schatzkästlein (Johann Peter Hebel).
HILVERSUM, 4.0—Dance Music. 4.40—"The Favorit" Trio.
HUZEN, 4.0—Organ. 4.40—Piano-forte recital.
KALUNDBORG, 4.0—Rydahl Instrumental Ensemble. In the Interval at 4.15: Talk: Mother's Day.
KÖNIGSBERG, 4.0—Songs by the Klievaxel Brothers and Licca Cornes. 4.30—Talks for Boys and Girls.
LEIPZIG, 4.0—Chamber Music, from Dresden. Rosel Müller (Violin), Emil Gmeindl (Cello) and Werner Kunad (Piano). 4.30—Talk: Thuringian and Saxon Place Names. 4.50—Exchange; Brazilian Exchange.
MONTE CENERI, 4.0—See Beromünster.
MUNICH, 4.0—For Farmers. 4.10—"Aus dem Leben eines Taugenichts" (von Eichendorff) with Old Folk Songs (arr. Hedda Amann). 4.40—Humorous Talk: The First Railway.
PARIS (Poste Parisien), 4.50—Exchange.
PRAGUE, 4.45—Czech for Germans.
ROME, 4.30—News; Exchange. 4.40—Radio Review for Children.
SOTTENS, 4.0—See Beromünster.
STUTT GART, 4.30—Fairy Tales.
TURIN, 4.30—News. 4.40—For Children.
WARSAW, 4.0—Band. 4.45—Romanian Songs. 4.50—Natural History Talk.

5 p.m.

BERLIN, 5.0—See Hamburg.
BEROMÜNSTER, 5.0—Rösli Schwenbacher (Pfeife). 5.10—Radio Orchestra. Conductor: Neppach.
BRESLAU, 5.0—See Hamburg.
BRUSSELS (No. 1), 5.0—Reading: "Toi et Moi" (Géraldy). 5.30—Talk with Illustrations: Edison's Phonograph of 1900.
BRUSSELS (No. 2), 5.0—Concert from the Exhibition.
BUCHAREST, 5.0—Dinico Orchestra.
BUDAPEST (No. 1), 5.0—Talk. 5.20—Musical Parodies by Lajos Szendy. 5.45—Shorthand.
COLOGNE, 5.0—Station Orchestra. Conductor: Eysoldt. Hubert Kirsch (Baritone) and Fritz Neumann (Tenor).
DEUTSCHLANDSENDER, 5.0—Variety (contd. from 4.0). 5.30—Talk for Young People.
FRANKFURT, 5.0—See Hamburg.
HAMBURG, 5.0—Station Orchestra. Conductor: Secker. Bernhard Jakschat (Baritone), Bernhard Hamann (Violin), Gerhard Gregor (Organ) Popular music.
HILVERSUM, 5.0—"Favorit" Trio. 5.40—For Children.

HUIZEN, 5.0—Mlle. Thiel (Piano-forte); Records. 5.40—Recitations.
KALUNDBORG, 5.0—Rydahl Instrumental Ensemble. 5.30—Exchange. 5.45—Talk.
KÖNIGSBERG, 5.0—See Hamburg. In the Interval: Talk: Radio Periodicals.
LEIPZIG, 5.0—See Hamburg.
MONTE CENERI, 5.0-6.0—See Beromünster.
MORAVSKÁ-OSTRAVA, 5.0—Station Orchestra. Conductor: Plichta. 5.50—German Songs, Reading and Talk.
MUNICH, 5.0—See Hamburg.
OSLO, 5.0—Orchestra.
PARIS (PTT), 5.0—Chamber Music.
PARIS (Radio-Paris), 5.45—Reading. 5.55—Review.
PRAGUE, 5.0—Orchestra.
ROME, 5.5—Agnese Dubbini (Mezzo-Soprano), Bruna Franchi (Violin) and Maria Luisa Faini (Piano-forte).
SOTTENS, 5.0-6.0—See Beromünster.
STOCKHOLM, 5.5—"Aangermanland"—Reading; Folk Music. 5.45—Records.
STUTT GART, 5.0—See Hamburg.
TURIN, 5.5—Music for Children. Malatesta Chamber Orchestra.
VIENNA, 5.40—"Mother Songs"—Margarethe Gassner (Soprano).
WARSAW, 5.0—Talk. 5.15—The Polish Quartet and Jeanne Kono-pasek-Szaleska (Piano-forte). 5.40—For Invalids.

6 p.m.

ATHLONE, 6.0—For Children. 6.45—News.
BERLIN, 6.0—See 5.0 Hamburg. 6.30—Dialogue: Books for Young People.
BEROMÜNSTER, 6.0—Records. 6.30—Discussion: Swiss Eggs.
BRESLAU, 6.0—See 5.0 Hamburg. 6.35—Sports Review. 6.30—Play (Jank). 6.50—Weather; Markets.
BRUSSELS (No. 1), 6.0—Talk: The Cinema and Young People. 6.15—Records. 6.30—Quartet (Mozart).
BRUSSELS (No. 2), 6.0—Radio Orchestra. Conductor: Gason.
BUCHAREST, 6.0—News. 6.15—Dinico Orchestra.
BUDAPEST (No. 1), 6.10—III Wechsler (Piano-forte). 6.45—Sports Notes. 6.55—Talk.
COLOGNE, 6.0—Orchestra and Soloists (contd. from 5.0). 6.30—Talk. 6.45—Exchange; Sports.
DEUTSCHLANDSENDER, 6.0—Talk with Records: Finnish Art and Culture. 6.45—To be announced.
FRANKFURT, 6.0—See 5.0 Hamburg. 6.30—Talk: Manners of Five Hundred Years Ago. 6.45—Topical Talk. 6.55—Exchange; Announcements.
HAMBURG, 6.0—Orchestra (contd. from 5.0). 6.30—Hitler Youth Programme. 6.45—Exchange.
HILVERSUM, 6.0—For Children. 6.10—Orchestra. Conductor: Steyn. 6.40—Recitation. 6.55—Orchestra. Conductor: Walis.
HUZEN, 6.0—Recitations. 6.25—Records.
KALUNDBORG, 6.0—Talk. 6.15—German. 6.45—Announcements.
KÖNIGSBERG, 6.0—See 5.0 Hamburg. 6.30—Markets. 6.40—Talk: The Press and the Working Classes.
LAHTI, 6.0—Music. 6.15—Talk. 6.40—Report.
LEIPZIG, 6.0—See 5.0 Hamburg. 6.30—Talk: Military Courts throughout the Ages. 6.50—Topical Talk.
MORAVSKÁ-OSTRAVA, 6.0—German Songs and Talks. 6.25—News. 6.35—Talk.
MOSCOW (No. 1), 6.30—Authors and Composers at the Microphone.
MUNICH, 6.0—See 5.0 Hamburg. 6.30—Talk: The Olympic Winter Sports-Arena at Garmisch-Partenkirchen.
OSLO, 6.0—Talk. 6.30—English. 6.55—Announcements.
PARIS (Poste Parisien), 6.25—Exchange. 6.29—For Farmers; Theatre Review. 6.37—Records: Carnaval romain (Berlioz). 6.50—Talk; Records.
PARIS (PTT), 6.0—Talks. 6.20—Literary Review. 6.30—News.
PARIS (Radio-Paris), 6.0—For Women. 6.30—For Farmers; Talk; Exchange; Racing Results 6.50—Music Review by Wanda Landowska.
PRAGUE, 6.0—For Workers. 6.10—German Talks and News. 6.55—Records.
ROME, 6.0-6.10—Corn Prices. 6.35—Esperanto. 6.45—Tourist Notes; Announcements.

SOTTENS, 6.0—For Children. 6.40—Talk.
STOCKHOLM, 6.0—Records. 6.45—Review of Foreign Politics.
STRASBOURG, 6.0—Talk in German. 6.15—Tourist Talk. 6.30—Humorous Programme.
STUTT GART, 6.0—See 5.0 Hamburg. 6.30—Hitler Youth Report.
TURIN, 6.0-6.10—Corn Prices. 6.35—News in Esperanto. 6.45—Announcements.
VIENNA, 6.0—Songs (contd. from 5.40). 6.10—Talks.
WARSAW, 6.0—For Invalids. 6.10—Excerpts, "The Barber of Seville"—Play (Beaumarchais). 6.30—Announcements. 6.45—Kreisler Records.

7 p.m.

ATHLONE, 7.0—Italian. 7.15—To be announced. 7.30—Time. 7.31—Orchestra; Songs.
BERLIN, 7.0—See Stuttgart. 7.40—Evening Echoes.
BEROMÜNSTER, 7.0—Weather; Market Prices; Announcements 7.20—French Lesson. 7.50—Radio Orchestra. Conductor: Gilbert.
BRESLAU, 7.0—"Silesia Calling"—Sequence.
BRUSSELS (No. 1), 7.0—Medical Talk. 7.15—Pelotti (Songs). Aria, "The Magic Flute" (Mozart), and "Acis and Galatea" (Handel). Vergebliches Ständchen (Brahms). 7.30—Legal Notes; Literary Review.
BRUSSELS (No. 2), 7.0—Book Review. 7.15—Records: Suite in D minor (Handel). Polonaise in E flat (Chopin). 7.30—News.
BUCHAREST, 7.0—Talk. 7.20—Records: Romanian Music. 7.45—Talk.
BUDAPEST (No. 1), 7.0—Talk. 7.25—Bura Cigány Band.
BUDAPEST (No. 2), 7.45—Talk.
COLOGNE, 7.0—"In the Spinning-Room"—Westphalian Folk Play (Wagenfeld). 7.30—To be announced. 7.50—Snapshots.
DEUTSCHLANDSENDER, 7.0—See Frankfurt.
FRANKFURT, 7.0—Edmund Kasper Orchestra from Saarbrücken. Overture, "Les quatre fils d'Aymon" (Balfe). Romance in F sharp minor (Tchaikovsky). Im Reiche der Venus (Gröschel). Selection, "Paganini" (Lehár). Klein-Elslein tanz (Hack-spiel). Modern Suite (Armandola). March (Revell).
HAMBURG, 7.0—
Station Symphony Orchestra. Conductor: Maasz. Suite (de Frumerie). Symphony in C (Atterberg). 7.45—Talk: Radio Periodicals.
HILVERSUM, 7.0—Orchestra (contd. from 6.55). 7.40—Talk.
HUZEN, 7.0—Records. 7.10—Talk: The "Flora" Exhibition at Heemstede. 7.40—Police Messages; Religious Notes. 7.55—Address by the Ex-Minister, J. Donner.
KALUNDBORG, 7.0—News. 7.20—Talk by Mrs. Bryan Owen: Mothers' Day. 7.30—Talk: Iron-mining in the Past.
KÖNIGSBERG, 7.0—Announcements. 7.10—Lobeda Choir. Conductor: Groke. 7.45—Talk by Professor Dr. Heinrich Wolff.
LAHTI, 7.5—Sibelius. Helsinki Municipal Orchestra, from the University. Conductor: Janssen. Symphony No. 6. Symphony No. 2.
LEIPZIG, 7.0—Folk Music. Mandoline, Mouth Organ and Accordion Bands. Overture, "The Nuremberg Doll" (Adam). Gavotte (Kübel). Heidenröslein (Werner). March (Marquard). Waltz Potpourri: Aus der guten alten Zeit (Thöni). Gavotte, Herbstblumen (Schau). Folk Songs. So musizieren wir. Ländlermarsch (Brauchli). March, Schneidige Truppe (Helbling).
LYONS (La Doua), 7.30—Variety.
MADRID (EAJ7), 7.0—Announcements; Sextet. 7.30—Exchange; News: For Farmers.
MONTE CENERI, 7.15—Reading. 7.30—Records. 7.45—News.
MOSCOW (No. 1), 7.0—Authors and Composers at the Microphone.
MUNICH, 7.0—Munich Accordion Club Band. Dance Suite in Spanish Style, La Marionetta (Haag). Clog Dance, "Czar and Carpenter" (Lortzing). Selection, "The Bird Fancier" (Zeller). Von allem Reizenden ein bisschen (Millöcker). A Hand voll Bergsgsangl (Haag). 7.30—Talk on the following Transmission. 7.35—
"Rigoletto"
—Opera in Three Acts (Verdi), from the National Theatre.

OSLO, 7.0—Announcements. 7.30—For Farmers. 7.45—A Comedy.
PARIS (Eiffel Tower), 7.0—News. 7.25—Racing Results. 7.30—Talk.
PARIS (Poste Parisien), 7.0—Records. 7.7—Sports; News. 7.25—Amusement Guide; Talk. 7.32—Records. 7.48—"Letters"—Concert on Records.
PARIS (PTT), 7.30—News. 7.45—Records.
PARIS (Radio-Paris), 7.0—Talk: Our Colonies. 7.15—Weather. 7.20—Political Press Review. 7.35—Assurance Societies' Reports. 7.40—Talk: The Pacific Ocean Coasts.
PRAGUE, 7.0—News. 7.10—Macedonian and Estonian Folk Songs by the Smetana Choral Society. Conductor: Spilka. 7.30—Light Music.
RADIO-NORMANDIE, 7.0—Request Music.
ROME, 7.0—News in Foreign Languages.
SOTTENS, 7.5—Medical Talk. 7.25—Sports; Tourist Notes. 7.40—Report of the Opening of the Nestlé Hospital.
STOCKHOLM, 7.0—Foreign Politics (contd. from 6.45). 7.15—News. 7.30—Opera Music. Royal Court Orchestra. Conductor: Grevillius. Overture, "Lohengrin" (Wagner). Veil Dance, "Salome" (Strauss). Entr'acte, "Manon Lescaut" (Puccini). Ballet, "Macbeth" (Verdi). Selection, "La Traviata" (Verdi). Waltz, "Der Rosenkavalier" (Strauss). Overture, "Die Fledermaus" (Strauss).
STRASBOURG, 7.0—Humorous Programme. 7.45—Talk. 7.53—Review of Foreign Politics.
STUTT GART, 7.0—"May Magic" Station Orchestra. Conductor: Görlich. In the Interval: Love Stories.
TOULOUSE (Radio-Toulouse), 7.0—Chansonnettes. 7.20—Opéra-His. 7.30—News. 7.45—Hunting-Horns. 7.50—Talk.
TURIN, 7.0—News in Foreign Languages.
VIENNA, 7.0—Announcements. 7.30—Harry Tafel's Jazz Band. Otto Neumann (Refrains).
WARSAW, 7.0—Kreisler Records. 7.7—Programme Announcements. 7.15—Farmers' Letter-box. 7.25—Sports. 7.35—Programme by Zula Pogorzelska. 7.50—Topical Talk.

8 p.m.

ATHLONE, 8.0—Orchestra; Songs. 8.30—To be announced.
BARCELONA, 8.0—Records. 8.15—Announcements; Records. 8.45—Exchange.
BERLIN, 8.0—News; Announcements. 8.10—Small Station Orchestra. Conductor: Steiner. Margit Alexa (Soprano) and Irene Andor (Guitar). Ein Walzer aus Wien (Stolz). Soprano: Ländler (Geissler). Tanzweise (Meyer-Helmund). Guitar: Tarantella (Becc). Mazurka (Ganne). Ich bin ein kleiner Musikant (Rust). Soprano: Czardas (Gungl). Guitar: Old Spanish Song with Variations (Albert). Spanish Serenade (de Micheli). Soprano: Lustiges Wien (Meisel). Egyptian March (Strauss).
BEROMÜNSTER, 8.5—Discussion: The Crisis. 8.30—Radio Orchestra. Conductor: Gilbert. 8.50—Weekly Review.
BORDEAUX-LAFAYETTE, 8.0—Spanish. 8.15—News. Records. 8.30—See Paris (PTT).
BRATISLAVA, 8.0—Orchestra. 8.25—"Little Wife"—Sketch (Jichová).
BRESLAU, 8.0—News. 8.10—"Der Einsame"—Oratorio to Text by Nietzsche (Langer). Station Choir and Orchestra. Conductor: Prade. Gerhard Hüsch (Baritone).
BRNO, 8.25—Report from a Mother's Clinic.
BRUSSELS (No. 1), 8.0—Programme for Ex-Soldiers. Part I: Address by Captain Briscoe, President of the British Legion in Belgium. Part II: English Music by the Radio Orchestra. Conductor: Gason. Simone de Val (Songs). Overture, A May Day (Haydn Wood). The Phantom Brigade (Myddleton). Three Dances, "Tom Jones" (German). Aria, "Hamlet" (Thomas). Potpourri, Britelodia (Humphries). Little Grey Home in the West (Löhr). Love's Garden of Roses (Haydn Wood). Roses of Picardy (Haydn Wood). Suite, Summer Days (Coates).
BRUSSELS (No. 2), 8.0—Variety from the Exhibition.
BUCHAREST, 8.0—Romanian Music. "Carmen" Choir. 8.30—Talk. 8.45—Romanian Composers.
BUDAPEST (No. 1), 8.0—Dramatic Programme.
BUDAPEST (No. 2), 8.5—Sándor Bura Cigány Band. 8.45—News.

FRIDAY May 10

COLOGNE, 8.0—News. 8.10—"The Miner's Saturday Night"—Sequence (Müller-Schaaf).
DEUTSCHLANDSENDER, 8.0—Motto; News. 8.10—See Cologne.
FRANKFURT, 8.0—News; Topical Talk. 8.10—See Berlin.
HAMBURG, 8.0—News. 8.10—See Berlin.
HILVERSUM, 8.0—Orchestra. Conductor: Horst. Hydropathen-Walzer (Gungl). Praterbummel (Pachernegg). Love's Garden of Roses (Haydn Wood). Berceuse (Danidrov). Jealousy (Gade). Italian Serenade (Caludi). Granada (Garcia). 8.30—News. 8.37—S O S Messages. 8.40—Talk.
HUZEN, 8.0—Address (contd. from 7.55). 8.10—Literary Talk. 8.40—News. 8.45—NCRV Orchestra. Conductor: v. d. Hurk. Overture, "Mignon" (Thomas). Italian Potpourri (de Micheli). Serenade (Bece). Selection, "Il Trovatore" (Verdi). Melody (Rubinstein). Spanish Song (Aibéniz).
JUAN-LES-PINS (Radio Côte d'Azur), 8.0—News; Exchange. 8.15—Orchestra.
KALUNDBORG, 8.1—Review by Per Knutzen. 8.10—"Opéra-Comique to Operetta." Radio Orchestra. Conductor: Mahler. Julie Winding (Songs). Overture, "Si j'étais roi" (Adam). Aria, "The Nuremberg Doll" (Adam). Ballet, "Ali Baba" (Lecocq). Czardas, Die Fledermaus (Strauss). Waltz, A Waltz Dream (Strauss). Song, "Schön ist die Welt" (Lehár). March, "Wiener Frauen" (Lehár).
KÖNIGSBERG, 8.0—News. 8.15—Erich Börschel's Dance Band, with Interludes by Willi Stein and Georg Erich Schmidt.
LAHTI, 8.0—Sibelius (contd. from 7.5).
LEIPZIG, 8.0—News. 8.10—See Berlin.
LYONS (La Doua), 8.0—Radio Notes. 8.10—Dental Talk. 8.20—Veterinary Talk. 8.30—See Paris (PTT).
MADRID (EAJ7), 8.0—For Farmers. 8.15—For Women.
MONTE CENERI, 8.0—Talk on the following Transmission. 8.10—"Werther"
—Opera in Three Acts (Massenet).
MORAVSKÁ-OSTRAVA, 8.25—Folklore.
MOSCOW (No. 1), 8.0—Concert.
MUNICH, 8.0—"Rigoletto" (Verdi) (contd. from 7.35). In the Interval at 8.40: News.
OSLO, 8.0—A Comedy (contd. from 7.45).
PARIS (Eiffel Tower), 8.0—Topical Talks. 8.30—"Directors of the National Conservatoire"—Orchestra. Conductor: Flamet. Two Overtures (Cherubini, 1760-1842): (a) "The Water Carrier," (b) "Anacréon." Selection Auber (1782-1871): (a) "Fra Diavolo," (b) "The Crown Diamonds." Selection, "Mignon" (Thomas, 1811-1896). In Memoriam (Dubois, 1837-1924). Suite, "Shylock" (Fauré, 1845-1924). Trio, Divertissement sur des chants russes (Rabaud, 1873).
PARIS (Poste Parisien), 8.0—Talk. 8.10—Exchange. 8.20—Russian Folk Music by Scriabine and his Balalaika Cossacks (Records). 8.55—"Toi c'est Moi"
—Two-Act Opéra (Simons) from the Théâtre des Bouffes-Parisiens.
PARIS (PTT), 8.0—Talk by René Dumesnil: What is a Symphonic Poem? 8.30—"Lamartine"—Literary and Dramatic Programme.
PARIS (Radio-Paris), 8.0—"Les Cent Vierges"
—Opéra (Lecocq). Conductor: Labis. In the Interval at 8.30: News.
PRAGUE, 8.0—Light Music. 8.25—Literary Review. 8.45—Talk: Romanian National Day. 8.50—Romanian Music for Romanian National Day. Station Orchestra, Conductor: Park. Nectar de Flondor (Songs); Akbu (Violin). Romanian and Czechoslovak National Anthems. Violin Concerto (Golestan). Songs: (a) Idilia trista (Alexandrescu), (b) Song (Jora). Andantino for Strings (Balam). Humoresque (Balam). Seara (Notara). Songs: (a) Salcia (Rogasky), (b) Flueraşul (Andrescu-Skeletti). Overture (Lazar).

FRIDAY May 10

8 p.m. (contd.)

RADIO-NORMANDIE, 8.0—Organ. 8.15—Topical Talk. 8.30—Music. 8.45—Records.
ROME, 8.0—News (in English). 8.10—Italian Lesson for English Beginners. 8.30—Announcements; News. 8.40—Topical Talk. 8.50—Light Music.
SOTTENS, 8.0—Opening of the Nestlé Hospital (contd. from 7.40). 8.30—French Music. Radio-Romande Orchestra. Conductor: Haug. Comedy Overture (Rivier). Pastorale d'été (Honegger). Petite Suite (Debussy). Dance of the Sylphs (Berlioz). Overture, "Phèdre" (Massenet).

9 p.m.

ATHLONE, 9.30—Variety.
BARCELONA, 9.0—Sports Notes; Records. 9.30—Press Review. 9.45—Announcements; Exchange. 9.50—Tourist Report.
BERLIN, 9.0—Gems of German Literature and Music.
BEROMÜNSTER, 9.0—News. 9.10—Scenes from the Aargau Canton's Centenary Festival Play (1903). Music by Eugen Kutschera.
BORDEAUX-LAFAYETTE, 9.0—See 8.30 Paris (PTT).

DEUTSCHLANDSENDER, 9.0—Adalbert Lutter Band.
FRANKFURT, 9.0—"Der Zundel-frieder und der Zundelheiner"—Play for the Hundred and Seventy-Fifth Anniversary of Johann Peter Hebel's Birth. 9.30—Sonata (von Hessen). Feischer (Violin) and Rosbaud (Pianoforte).
HAMBURG, 9.0—See Deutschland-sender.
HILVERSUM, 9.0—Talk. 9.10—Bach Records. 9.40—Talk by Professor van Holk: Theology.
HUIZEN, 9.0—N.C.R.V. Orchestra (contd. from 8.45). 9.40—Talk.
JUAN-LES-PINS (Radio Côte d'Azur), 9.0—News; Weather. 9.15—Orchestra.
KALUNDBORG, 9.0—"Opéra-comique to Operetta" (contd. from 8.10). 9.5—Folmer Jensen (Pianoforte). Arabesque (Schumann). Blumenstück (Schumann). Scherzo in B flat (Schubert). 9.20—"Duke Christian in Bergen" (contd. from 8.10). 9.55—News.
KÖNIGSBERG, 9.0—Börschel's Dance Band.
LEIPZIG, 9.0—Leipzig Symphony Orchestra. Conductor: Weisbach.

SOTTENS, 9.0—French Music (contd. from 8.30). 9.30—News. 9.40—Choral Concert.
STOCKHOLM, 9.0—Chamber Music (contd. from 8.50). 9.45—News.
STRASBOURG, 9.0—See 8.30 Paris (PTT).
STUTTGART, 9.0—See Deutschland-sender.
TOULOUSE (Radio-Toulouse), 9.0—"La fête au château"—Radio Fantasy. 9.40—Sound Film Music. 9.45—Concert Version "Rigoletto" (Verdi).
TURIN, 9.0—Light Music. 9.45—Talk.
VIENNA, 9.0—"Kabale und Liebe"—Tragedy (Schiller) (contd. from 8.0).
WARSAW, 9.0—Symphony Orchestra (contd. from 8.15).

10 p.m.

ATHLONE, 10.30—Time; News. 10.40—Céilidhe Music.
BARCELONA, 10.0—Chimes; Weather; Messages for Seamen. 10.5—Records.
BERLIN, 10.0—News; Sports Notes. 10.30—Talk: Hegel to-day.

KÖNIGSBERG, 10.0—News; Sports Notes. 10.15—Talk: Municipal Orchestras in East Prussia. 10.30—See Stuttgart.
LEIPZIG, 10.0—News; Sports Notes; Weather. 10.30—See Stuttgart.
LYONS (La Doua), 10.0—See 8.30 Paris (PTT).
MADRID (EAJ7), 10.0—Variety.
MONTE CENERI, 10.0—"Werther" (Massenet) (contd. from 8.10).
MOSCOW (No. 1), 10.5—English Talk: Our Philosophy.
MÜNICH, 10.0—News; Exchange; Sports Notes. 10.20—To be announced.
OSLO, 10.0—Topical Talk. 10.15—10.45—Variety.
PARIS (Poste Parisien), 10.0—"Toi c'est moi"—Operetta (contd. from 8.55).
PARIS (PTT), 10.0—"Lamartine"—Literary and Dramatic Programme (contd. from 8.30). 10.30—News.
PARIS (Radio-Paris), 10.0—"Les cent Vierges"—Operetta (Lecocq) (contd. from 8.0). 10.30—Weather. 10.35—Dance Music.
PRAGUE, 10.0—News; Sports.

Frühlingsstage (Rust). Frühlingsfest im Schwalbenest (Rust). Insekten machen Musik (Zimmer). Frühling am Mühlbach (Zimmer). O schöner Mai (Strauss). Overture, "Meines Frühlings erste Knospe" (Ertl). Song, Eine kleine Reise im Frühling (Ritter-Jurmann). Blütenzauber (Lindsay-Theimer). Maikäfer (Becker). Hinaus in dem Frühling (Ertl).
WARSAW, 10.0—Symphony Orchestra (contd. from 8.15). 10.30—Recitations. 10.45—Talk: Psychology.

11 p.m.

BARCELONA, 11.0—News. 11.15—Variety.
BERLIN, 11.0-11.30—Gertraud Dirrig (Pfife.).
BRESLAU, 11.0—Station Dance Band.
BRUSSELS (No. 1), 11.0—La Brabançonne.
BUDAPEST (No. 1), 11.0—Heinemann Dance Band.
COLOGNE, 11.0—See 10.30 Stuttgart.
DEUTSCHLANDSENDER, 11.0—See 10.30 Stuttgart.
FRANKFURT, 11.0—See 10.30 Stuttgart.
HAMBURG, 11.0—See 10.30 Stuttgart.
HILVERSUM, 11.0—Lecture: Bach (contd. from 10.55). 11.40—Records.
HUIZEN, 11.0—Orchestra (contd. from 10.10). 11.25—Records.
KALUNDBORG, 11.0—Donde Dance Band.
KÖNIGSBERG, 11.0—See 10.30 Stuttgart.
LEIPZIG, 11.0—See 10.30 Stuttgart.
MADRID (EAJ7), 11.0—Chimes. 11.5—News. 11.30—Theatre Relay.
MOSCOW (No. 1), 11.5—German Programme: Talk: A Portrait from the Past: Sports Notes.
MÜNICH, 11.0—Schwarz Dance Band, from Nürnberg.
PARIS (Poste Parisien), 11.0—"Toi c'est moi"—Operetta (contd. from 8.55).
RADIO-NORMANDIE, 11.0—Records.
REYKJAVIK, 11.0—By the Fireside.
ROME, 11.0—News.
STUTTGART, 11.0—Orchestra (contd. from 10.30).
TOULOUSE (Radio-Toulouse), 11.0—Opera Music. "Faust" (Berlioz). "The Prophet" (Meyerbeer). "Peer Gynt" (Grieg). "Pelléas et Mélisande" (Debussy). 11.15—Sound Film Music. 11.35—Opera Music. 11.45—Orchestra.
TURIN, 11.0—News. 11.10—News in Spanish.
VIENNA, 11.0—"Spring in Music" (contd. from 10.10). 11.15—Announcements. 11.30—Reger. Franz Schütz (Organ). Ave Maria in D flat. Prelude and Fugue in C minor.
WARSAW, 11.0—Weather. 11.5—Records: Harry Roy's Dance Band.

12 midnight

BARCELONA, 12.15—Records.
BUDAPEST (No. 1), 12.0—Heinemann Dance Band. 12.5—News.
FRANKFURT, 12.0—

Opera Music

Overture, "Rienzi" (Wagner).
Overture, "Der Freischütz" (Weber).
Prelude, "Lohengrin" (Wagner).
Overture, "Oberon" (Weber).
Three Preludes, "Die Königsbräutigam" (Humperdinck).
Overture, "Christelfein" (Pfitzner).
HILVERSUM, 12.0-12.40—Records.
HUIZEN, 12.0-12.10—Records.
KALUNDBORG, 12.0-12.30—Donde Dance Band.
MADRID (EAJ7), 12.0—Theatre Relay. 12.45—News.
PARIS (Poste Parisien), 12.0—Exchange.
RADIO-NORMANDIE, 12.0—Dance Music.
REYKJAVIK, 12.0—By the Fireside.
STUTTGART, 12.0—See Frankfurt.
TOULOUSE (Radio-Toulouse), 12.0—"Au caveau de minuit"—Fantasy 12.15—News. 12.20—Band.
VIENNA, 12.5—Records.

1 a.m. (Saturday)

BARCELONA, 1.0—News.
FRANKFURT, 1.0—Serenade.
MADRID (EAJ7), 1.0—Theatre Relay.
RADIO-NORMANDIE, 1.0—Dance Music.
STUTTGART, 1.0—See Frankfurt.



A scene from "Rigoletto," which may be heard from Munich at 7.35 p.m.

(Photo: Paganini)

Lilia d'Albore (Violin). Violin Concerto in C (Vivaldi). London Symphony (Haydn). Violin Concerto in A (Mozart).
LYONS (La Doua), 9.0—See 8.30 Paris (PTT).
MADRID (EAJ7), 9.0—For Women. 9.15—News; Medical Talk.
MONTE CENERI, 9.0—"Werther" (Massenet) (contd. from 8.10). In the Intervals: Talks: (a) The League of Nations, (b) Astronomy.
MOSCOW (No. 1), 9.0—Czech Programme: Talk on Economics; Letter-box. 9.55—Chimes.
MÜNICH, 9.0—"Rigoletto" (Verdi) (contd. from 7.35).
OSLO, 9.0—A Comedy (contd. from 7.45). 9.35—News.
PARIS (Eiffel Tower), 9.0—"Directors of the National Conservatoire"—Orchestra (contd. from 8.30). In the Interval at 9:15: News.
PARIS (Poste Parisien), 9.0—"Toi c'est moi"—Operetta (contd. from 8.55).
PARIS (PTT), 9.0—"Lamartine"—Literary and Dramatic Programme (contd. from 8.30).
PARIS (Radio-Paris), 9.0—"Les cent Vierges"—Operetta (Lecocq) (contd. from 8.0). In the Interval at 9:15: News and Dietetics.
PRAGUE, 9.0—Romanian Music (contd. from 8.50).
RADIO-NORMANDIE, 9.0—Handel and Bach. Mme. Paillette (Soprano), Mlle. Dutréne (Mezzo-Soprano), Le Templier (Tenor), Geneviève Damais (Pianoforte) and Emile Damais (Violin). Part I—Handel: Tenor Aria, "The Messiah." Duet, "Ottone." Soprano Aria, "Admeto." Movements from the Violin Sonata in D. Part II—Bach: Mezzo-Soprano Song. Tenor Aria from a Cantata. Soprano Aria from Cantata No. 147. Violin Sonata in G.
REYKJAVIK, 9.0—Music. 9.50—Announcements.
ROME, 9.0—Light Music. 9.50—"Voci della radio"—One-Act Play (Minnucci).

BEROMÜNSTER, 10.0—Aargau Festival Play (contd. from 9.10). 10.15—Weather.
BORDEAUX-LAFAYETTE, 10.0—See 8.30 Paris (PTT).
BRATISLAVA, 10.15—News in Hungarian. 10.30—Records.
BRESLAU, 10.0—Time; News; Sports Notes. 10.30—Station Dance Band.
BRUSSELS (No. 1), 10.0—News. 10.10—Records. 10.25—Accordion.
BRUSSELS (No. 2), 10.0—News. 10.10—Concert from the Exhibition.
BUCHAREST, 10.0—News. 10.10—Radio Orchestra.
BUDAPEST (No. 1), 10.0—Orchestra (contd. from 9.40). 10.50—Heinemann Dance Band from the Hotel Royal.
BUDAPEST (No. 2), 10.0—Weather. 10.5—Lajos Veres Gíány Band, from the Café Ostend.
COLOGNE, 10.0—News. 10.20—Theatre Review.
DEUTSCHLANDSENDER, 10.0—News; Sports Notes; Talk. 10.45—Weather.
FRANKFURT, 10.0—News; Sports Report. 10.25—Dr. Heinrich Waffenschmidt discusses official Radio Periodicals. 10.35—Weekly Sports Review.
HAMBURG, 10.0—News. 10.25—Music.
HILVERSUM, 10.0—Talk (contd. from 9.40). 10.10—Bach Records. 10.40—Religious Notes; News. 10.55—Lecture: Bach.
HUIZEN, 10.0—Talk. 10.10—N.C.R.V. Orchestra. Conductor: v. d. Hurk. Brill (Cello). Berceuse (Ilyuski). Mazurka (Scriabin). Barcarolle (Arenscky). Cello and Orchestra: Rhapsodie géorgienne (Tcherepnin). Selection, "Fervaa!" (d'Indy). Cello and Orchestra: Elegy (Fauré). Symphony in G minor (Saint-Saëns). In the Interval at 10:40: News.
KALUNDBORG, 10.0—News. 10.10—

10.15—Records. 10.30—Announcements in Russian.
RADIO-NORMANDIE, 10.0—Variety.
REYKJAVIK, 10.0—News. 10.30—By the Fireside.
ROME, 10.0—Play (contd. from 9.50). 10.20—Orchestra.
SOTTENS, 10.5-10.35—Contemporary French Organ Music by Antoine Chenux. Toccata (Widor). Chant des chrysanthèmes (Bonnet). In paradisum No. 9 from Byzantine Sketches (Mulet). Les cloches de Perros-Guirec, from the Breton Suite (Dupré). Carillon No. 21 from Pièces en style libre (Viénné).
STOCKHOLM, 10.0—Light Music.
STRASBOURG, 10.0—See 8.30 Paris (PTT). 10.30—News.
STUTTGART, 10.0—Time; News; Sports Report. 10.30—Station Orchestra. Conductor: Görlich. Hermann Schittenhelm (Accordion) and Members of the Station Orchestra: Overture, "Der Heidschacht" (Holstein). Flots de joies (Waldeufel). Three Trombones: (a) Das treue deutsche Herz, (b) Wohlauf noch getrunken. Accordion: (a) March, Soldatenblut (Blon), (b) Schwäbischer Liederreigen. Selection, "Aennchen von Tharau" (Strecker). Paraphrase on a Theme (Krohnke). Waltz (Hérod). March, Deutscher Schneid (Schlegel). Prelude, "Eva" (Lehár). Xylophone and Orchestra: Spanish Waltz, Mia bella (Sommerfeld). Accordion: Bauernstolz-Ländler (Knupp). Overture, "Der lustige Krieg" (Strauss). March, Soldatenleben (Schmeling).
TOULOUSE (Radio-Toulouse), 10.0—"Rigoletto" (Verdi) (contd. from 9.45). 10.20—Viennese Orchestra. 10.30—News. 10.45—Songs.
TURIN, 10.0—Orchestra. Conductor: Castagnone.
VIENNA, 10.0—News. 10.10—"Spring in Music"—Vienna Symphony Orchestra. Conductor: Holzer. Overture, Blumenfest (Fétras). Einzug der Frühlingsblumen (Kockert). Frühlingsbotschaft (Fučík). Suite, Drei

Mozart, Bartók

Radio Symphony Orchestra. Conductor: Mahler. Symphony in C—the Jupiter (Mozart). Dance Suite (Béla Bartók).

SATURDAY May 11

PRINCIPAL EVENTS

SYMPHONY CONCERTS
P.M.
9.35 Budapest 2: 3rd Symphony (Bruckner).
10.0 Italian stations, Vienna: The 9th Symphony (Beethoven) from the Florence Festival.

LIGHT CONCERTS
12.15 Radio-Paris: Orchestra.
2.0 Huizen: The K.R.O. Boys.
3.30 Kalundborg: Radio orchestra.
3.45 Warsaw: Light orchestral.
4.0 Cologne, etc.: Variety concert.
5.10 Huizen: K.R.O. Orchestra.
6.20 Stockholm: Light programme.
7.0 Frankfurt: Marches.
7.5 Munich: Orchestra, songs, oboe.
7.35 Vienna: Potpourri.
7.45 Budapest 1: Operetta music.
8.0 Brussels 1: Orchestra, songs.
8.0 Brussels 2: Symphony orchestra, violin.
8.0 Kalundborg: Ganne, Waldteufel.
8.0 Radio-Paris: "Joan of Arc" programme.
8.0 Warsaw: Light orchestral.
8.10 Breslau: Choir, men's voices.
8.10 Deutschlandsender: Spring music.
8.10 Leipzig: Viennese music.
8.15 Poste Parisien: Light orchestral.
8.30 Paris (PTT): Orchestra, popular music.
8.50 Rome: Variety.
9.0 Stockholm: Old dances.
9.0 Warsaw: Station orchestra, songs.
9.10 Hilversum: V.A.R.A. Orchestra.
9.15 Prague: Yugoslav music.
9.35 Budapest 1: Cigány band.
10.10 Brussels 1: From the exhibition.
10.30 Berlin: Variety concert.
11.40 Huizen: K.R.O. Boys.
12.0 Stuttgart, Frankfurt: Tchaikovsky's "Pathétique," etc.

OPERAS
7.0 Hamburg: "Halka" (Moniuszko) records.
8.10 Berlin: "The Taming of the Shrew" (Goetz).
8.30 Strasbourg: "La Basoche" (Messager).

CHAMBER MUSIC
7.0 Cologne: English music.
9.50 Kalundborg: Violin, pft. (Handel, Mozart).

RECITALS
6.20 Königsberg: Organ (Brahms, Reger).
7.0 Berlin: Poetry and music.
7.15 Breslau: German songs.
7.35 Warsaw: Pft.; Debussy preludes.
9.0 Kalundborg: Danish song.
10.30 Stuttgart: Chopin studies.

PLAYS
8.30 Eiffel Tower: "La déesse aveugle."

TALKS
2.15 National: The Prince of Wales.
9.0 Brussels 1: "Old Brussels" at the exhibition.

LANGUAGE LESSONS
6.15 Kalundborg: French; 6.45, Strasbourg: French; 8.0, Bordeaux-Lafayette: English.

DANCE MUSIC
8.5 Bucharest; 9.0, Poste Parisien; 10, Paris (PTT), Stockholm; 10.5, Sottens; 10.10, Regional; 10.25, Vienna; 10.30, Breslau, Leipzig, Strasbourg; 10.35, Radio-Paris; 11.0, Hamburg, Kalundborg, Munich, National; 12.0, Radio-Normandie.

MISCELLANEOUS
5.45 Vienna: Singers v. Actors (football).
8.0 National: Jubilee gala.
8.0 Stockholm: Cabaret.

NATIONAL

For Time Signals, see Monday
10.15 a.m. (Droitwich)—Service.
10.30 (Droitwich)—Weather Forecast.
10.45—"The Week in Westminster."
E. L. Mallalieu, M.P.
11.0—The Scottish Studio Orchestra.
Overture, Le bon vivant (Grünfeld).
In Autumn (Tchaikovsky). Czardas
(Ferraris). Song to Mimi (Scassola).
Ronde des gardes lorraines (Tavan).
Serenata (Engolini). Coffee Cups
(Tapp). Selection, Sanderson's
Songs (arr. Baynes).
11.45—Cinema Organ.
12.15 p.m.—Records.
1.0 (Droitwich)—Commodore Grand
Orchestra.
2.0 (Droitwich)—Community Singing.
2.15—H.R.H. The Prince of Wales,
K.G., in Cardiff. Children's Demons-
tration and Display.
3.0 (Droitwich)—Community Singing.
3.15 (Droitwich)—Records.
3.45 (Droitwich)—Sydney Baynes and
his Band.
4.45 (Droitwich)—"Five Hours Back."
A Relay from America.
5.15—Ambrose and his Orchestra.
6.0—"The First News."
6.30—Sports Talk. A Golfer and his
Caddie speak their minds.
6.45 (Droitwich)—Welsh Interlude:
"Old Welsh Customs." Kate
Roberts.
6.45 (except Droitwich)—Laurence
Holmes (Baritone).
7.0—"In Town To-night."
7.30—Fred Hartley and his Novelty
Quintet, with Brian Lawrence. Two
Tunes (Coward). Lulu (Dacre).
Rags, Bottles and Bones (Pepper). A
Memory of Archibald Joyce. Bally-
nure Ballad (arr. Hughes). From
the Scottish Highlands (Hartley).
Sally Homer, Marigold (Mayerl).
Songs of Leslie Stuart.
8.0—Jubilee Gala, presenting Carrol
Gibbons and the Savoy Hotel
Orpheans; Anna May Wong;
The Mills Brothers; Larry Adler;
Albert Sammons; Peter Dawson;
Cicely Courtneidge; Theatre Or-
chestra.
9.30—"The Second News."
10.0—Songs from the Shows: "From
the Royal Box." (See Regional,
Friday, 8.30 p.m.).
11.0-12.0 (Droitwich)—Henry Hall's
Guest Night with the B.B.C.
Dance Orchestra.

REGIONAL

For Time Signals, see Monday
10.15-10.45 a.m. (except Midland)—
Droitwich. 10.45—Interlude.
11.0 (N. Ireland till 11.15)—Records.
11.15 (N. Ireland)—H.R.H. the Duke of
Gloucester, K.G., in Belfast.
11.45—B.B.C. Northern Orchestra.
12.45 p.m.—Community Singing.
1.0-2.15 (ex. Midland)—Droitwich.
2.15 (ex. Western)—Military Band.
2.15 (Western)—See National.
3.0-5.15 (ex. Midland; Scottish from
3.45; Western till 3.55)—National.
3.0 (Scottish)—T.R.H. the Duke and
Duchess of York in Edinburgh.
3.55 (Western)—Roy Feddon Trophy.
4.20-5.15 (Western)—Droitwich.
5.15—"The Children's Hour."
6.0—"The First News."
6.30 (Regional)—Parkington Quintet.
6.30 (Midland)—Versatile Five.
6.30 (Northern)—Programme Diary.
6.30 (Scottish)—"Speakin' o' Spates."
6.30 (Western)—Records.
6.30 (N. Ireland)—Coming Events.
6.40 (Northern)—Black Dyke Band.
6.45 (Western)—See Droitwich.
6.45 (N. Ireland)—Echoes of Ulster.
7.0 (Northern)—Zachariah Briggs.
7.0 (Western)—Dwinnid Gwaith.
7.0 (N. Ireland)—Wireless Orchestra.
7.10 (Scottish)—Piper Music.
7.15 (Regional)—Orchestra (Section
C). Ben Davies (Tenor).
7.15 (Northern)—Band (cont.).
7.25 (Scottish)—Week in Scotland.
7.30 (Midland)—"Signposts."
7.30 (Western)—Elizabethan Concert.
7.35 (Northern)—Records.
7.45 (Midland)—Hawaiian Islanders.
7.45 (Scottish)—In a Youth Hostel.
7.45 (N. Ireland)—One-Act Comedy.
8.15—"The American Half-hour."
8.45 (ex. Midland and Northern)—
Chamber Music and Poetry.
8.45 (Midland)—Jubilee Concert.
8.45 (Northern)—"Silver Trumpets."
9.15 (Northern)—"Hiawatha's Wed-
ding Feast" (Coleridge-Taylor).
9.45 (Midland)—Pft. Interlude.
10.0—News Summary.
10.10 (Scottish, N. Ireland from
10.20; Northern, Western from
10.35)—B.B.C. Dance Orchestra.
10.10 (Western, Northern)—Account
of the Prince of Wales's visit.
10.10 (Scottish)—Account of Duke
and Duchess of York's visit.
10.10 (N. Ireland)—Sports Talk.
10.40—Dance Records.
11.0-12.0 (ex. Midland)—Guest Night.

Hours of Transmission in British Summer Time.

5 a.m.—8 a.m.

BERLIN, 6.0—Hymn. 6.5—Gym.
6.20-8.0—See 6.0 Breslau. 8.0—
Gym. 8.35—Songs of Youth.
BEROMÜNSTER, 6.30—Gym. 6.50
—Weather.
BRESLAU, 5.0—See Königsberg. 5.40
—Weather; Gym. 6.0—Chamber
Quintet of the Station Dance Band.
7.0—Quintet with Soloists. 8.0—
Announcements.
COLOGNE, 6.0—See Breslau. 6.35
—Gym. 6.50—Hymn. 7.0—See
Breslau. 8.0—Gym. 8.15—Water
Level. 8.20-8.30—For Mothers.
DEUTSCHLANDSENDER, 6.0—
Chimes; Motto: Hymn. 6.5—
Gym. 6.20—Eugen Jahn Band
with Fritz Lafontaine. 8.0—Herbert
Fröhlich Band.
FRANKFURT, 6.0—See Breslau. 6.45
—Gym. 7.0—See Breslau. 8.0—
Water Level. 8.10—Gym.
HAMBURG, 5.40—Weather; Markets.
5.55—Weather. 6.0—See
Breslau. 6.45—Gym. 7.0—See
Breslau. 8.0—Weather; Recipes;
Markets. 8.15-8.45—Announce-
ments; Records.
HILVERSUM, 8.40—String Orchestra.
Conductor: Walis.
HUZEN, 8.40—Records.
KALUNDBORG, 7.0—Gym. 8.30—
Service from Copenhagen Cathedral.
KÖNIGSBERG, 5.0—Concert by the
Small Station Orchestra. 5.45—
Notes for Farmers. 6.0—Gym.
6.15—See 6.0 Breslau. 8.0—
Prayers. 8.30—Gym.
LEIPZIG, 6.0—For Farmers. 6.5—
Gym. 6.20-8.0—See 6.0 Breslau.
8.0-8.20—Gym.
MOSCOW (No. 1), 6.0—Records.
6.10—Programme Announcements.
6.30—Concert. 8.15—For Children.
MUNICH, 6.0—Motto. 6.5—See
6.0 Breslau. In the Interval at 6.15:
Gym. 7.0—Munich Symphony
Orchestra. 8.0—Gym.
PARIS (Poste Parisien), 7.10—Fan-
tasy; Records; News.
PARIS (Radio-Paris), 6.45—Gym.
7.0—Records. 7.15—Press Review.
7.45—Gym. 8.0—
Weather; Records.
PRAGUE, 6.0-7.30—Gym; Music;
News.
RADIO-NORMANDIE, 7.0—Re-
cords. 7.20—News. 7.45—Records.

7.48—Racing. 7.50—Records. 7.53—
Cookery. 8.0—Records. 8.15—
Dance Music.
ROME, 7.45—Gym. 8.0-8.15—News.
STUTTART, 5.45—Motto: Notes
for Farmers; Weather. 6.0—Gym.
6.30-8.0—See 6.0 Breslau. 8.0—
Water Level. 8.10—Gym. 8.50—
Weather; Water Level.
TOULOUSE (Radio-Toulouse), 8.0—
News. 8.10—Dance Refrains. 8.35
—Orchestra. 8.45—News. 8.50—
Chansonnettes.
TURIN, 7.45—Gym. 8.0-8.15—News.
WARSAW, 6.30—Hymn; Gym. 6.50
—Records. 7.15—News. 7.25—
Records. 7.45—Announcements.
8.0—For Schools.

9 a.m.

BERLIN, 9.40—Gym for Children.
DEUTSCHLANDSENDER, 9.40—
Gym.
FRANKFURT, 9.0—News. 9.15—
Friedel Gierga (Soprano), Georg
Ripperger (Tenor), Hermann Som-
mer (Piano-forte), and Karl Kle-
nhammer (Guitar).
HILVERSUM, 9.0—String Orchestra.
Conductor: Walis. 9.10—Piano-
forte Recital by Wins. 9.25—Light
Music. 9.40—Ensemble. Conduc-
tor: Steyn.
HUZEN, 9.0—Records.
KÖNIGSBERG, 9.5—Mothers' Day
Programme for Schools—Famous
Men and their Mothers.
LEIPZIG, 9.0-9.45—Programme for
Schools: Song Sequence.
MUNICH, 9.45—Announcements;
Records.
PRAGUE, 9.35—Police Notes. 9.45—
Press Review.
VIENNA, 9.10—News. 9.20—Mar-
kets. 9.30—Weather.

10 a.m.

BERLIN, 10.0—News; Markets.
10.30—Announcements; Records.
BRESLAU, 10.15—Programme for
Schools—With the Microphone on
the Captain's Bridge in Mid-At-
lantic. 10.45—Programme for
Children.
BUDAPEST (No. 1), 10.20—Talk:
National Children's Week. 10.45—
Talk: Sunday Programmes.
COLOGNE, 10.0—News. 10.10—
For Children. 10.30—Topical Talks.
DEUTSCHLANDSENDER, 10.0—
News. 10.15—Play for Children

(Emil Hecker). 10.45—Programme
for Children.
FRANKFURT, 10.0—News.
HAMBURG, 10.50—News.
HILVERSUM, 10.0—Ensemble
(cont. from 9.40). 10.10—Records.
10.40—Protestant Service. 10.55—
Concert. Records; Excerpts, "A
Night in Venice"—Operetta
(Strauss), from the V.A.R.A. Orchestra
and Soloists. Conductor: de Groot.
HUZEN, 10.40—Records.
KÖNIGSBERG, 10.40—News.
LEIPZIG, 10.0-10.15—Economic and
Programme Notes.
LYONS (La Doua), 10.30—Records.
To Spring (Grieg), Solveig's Song
(Grieg), Zigeunerweisen (Sarasate),
Villanella (Dukas), Largo (Handel),
Ave Maria (Gounod), Le cygne
(Saint-Saëns), Serenade (de Titi).
MOSCOW (No. 1), 10.0—News.
MUNICH, 10.0—Announcements;
Records. 10.15—"Der Wunder-
doktor"—A Fairy Play.
PRAGUE, 10.5—Press Review (Ger-
man). 10.10—Water Level. 10.11—
Records. 10.15—Kostal Chamber
Orchestra. March (Kovarik).
Waltz, Savanna (Balling). Overture,
"Lestock" (Auber). In the Old
Mill (Smatek). Twilight (Kostal).
Gavotte (Prochaska). Japanese
Piece, Sakura (Balling). March,
The Globe-trotter (Leopold). 10.50
—Reading.
RADIO-NORMANDIE, 10.0—Chan-
sonnettes.
ROME, 10.30-10.50—For Schools.
STRASBOURG, 10.45—Exchange;
Records.
STUTTART, 10.15—"The Shep-
herd's Dream"—Fairy Tale (Hof-
meier). 10.45—News.
TURIN, 10.30-10.50—For Schools.

11 a.m.

BORDEAUX-LAFAYETTE, 11.0—
Concert.
BRESLAU, 11.0—Programme for
Children. 11.30—News.
BUDAPEST (No. 1), 11.0—Talk
(cont. from 10.45). 11.15—
Greetings from the International
Fair.
COLOGNE, 11.0—Topica Talks.
11.20—Sports Talk. 11.30—
Announcements.
DEUTSCHLANDSENDER, 11.0—
Programme for Children. 11.15—
Weather. 11.30—Talk: Old Docu-
ments shed New Light on History.
11.40—Talk for Farmers.

FRANKFURT, 11.0—Concert. 11.30
—Programme and Economic Notes;
Weather. 11.45—Social Review.
HAMBURG, 11.0—Programme for
Schools: Youth Spring Festival
(Records).
HILVERSUM, 11.0—Concert (cont.
from 10.55).
HUZEN, 11.0—Records. 11.10—
Concert. 11.40—Records.
KALUNDBORG, 11.15-11.45—Ger-
man for Schools.
KÖNIGSBERG, 11.5—Talk for
Farmers.
LAHTI, 11.0—Exchange. 11.45—
News.
LEIPZIG, 11.0—Records;
Announcements. 11.30—News.
11.45—For Farmers.
LYONS (La Doua), 11.0—Concert.
MORAVSKÁ-OSTRAVA, 11.5—
Band. March (Konopka). Waltz
(Oberthor). Overture. "Das
Modell" (Suppé). Drinking Song
Potpourri (Leopold), Piece (Zita),
Silesian Polka (Sudek), March
(Labaky).
MUNICH, 11.0—Markets; Zither
Music; News; Talk for Farmers.
OSLO, 11.15—Service. 11.50—
Exchange.
PARIS (PTT), 11.0—Light Orchestral
Music.
PRAGUE, 11.15—See Moravská-
Ostrava. 11.55—Report: The
Opening of the Agricultural Show.
RADIO-NORMANDIE, 11.0—
Orchestra. Black Eyes. Excerpts,
"Schön ist die Welt" (Lehár).
Cache-cache (Clérise). Spanish
Dance (Fallá). Children's Corner
(Debussy). Sonata in A (Scarlati).
Excerpts, "Countess Maritza"
(Kálmán). Sevilla (Albeniz).
Gavotte, Sonata in D (Scarlati).
STRASBOURG, 11.0—Orchestra.
STUTTART, 11.0—Concert. 11.30
—Weather; For Farmers.
TURIN, 11.30—Ferruzzi Orchestra.
Serenata dei sospiri (Sanesi). Suite,
Algerian Nights (Grieg). Note
sul lago (Travaglia). Mattinata
(Malatesta). Bajadera al tempio
(Accorsi). Chant sans paroles
(Tchaikovsky). Bivacco zingaresco
(Ferraris).

12 noon

VIENNA, 11.20—Water Level;
Weather. 11.30—Talk for Women.
11.55—Weather.
BERLIN, 12.0—See Stuttgart.
BEROMÜNSTER, 12.0—Marches on

Records. 12.29—News. 12.40—
Records.
BORDEAUX-LAFAYETTE, 12.0—
News. 12.15—Records. Overtures:
(a) "Martha" (Flotow), (b) "Rip
van Winkle" (Planquette). No-
cturne (Ganne). Les follets (Ganne).
Down South (Myddleton). Ker-
messe villageoise (Filipucci). Ex-
cerpts, "Hérodiade" (Massenet).
O Madrid (Fahrbach). Pavane
mélancolique (Ganne). Ballet
égyptien (Luigini). Selection, "Les
cent vierges" (Lecocq) and "Rose-
Marie" (Friml).
BRATISLAVA, 12.10—Local News
in Slovak. 12.15—Records. 12.35—
Orchestra from Kosice.
BRESLAU, 12.0—Small Station Or-
chestra. Conductor: Rischka.
March, Einen für Viele (Blanken-
burg). Overture, Vivat akademica
(Zimmer). Swanhilda - Walzer
(Féras). Aus dem Morgenlande
(Heuberger). Crinoline (Orleib).
Waltz, "Aennchen von Tharau"
(Strecker). Abend an der Nordsee
(Trevisiol). Flitsch-Marsch (Wag-
nes). Overture, "Paragraph 3"
(Suppé). Selection, "The Count
of Luxembourg" (Lehár). Floren-
tine Serenade (Seybold). Minuet
(Rust). Waltz, Zeller-Abende
(Thiele). Helios-Marsch (Schieke).
BRNO, 12.35—Orchestra.
BRUSSELS (No. 1), 12.0—The Con-
stantin Orchestra.
BRUSSELS (No. 2), 12.0—Records.
Caucasian Sketches (Ippolitov-
Ivanov). Barcarolle (Tchaikovsky).
Oriental Impressions (Kapalo). Black
Eyes (Ferraris). Rumba, La guajira.
Creole Waltz (Tchaikovsky). Re-
traite aux flambeaux circoncienne
(Machts). Polish Dance (Schar-
wenka). Dance of the Snow Flakes
(Rimsky-Korsakov). Asiatic Parade
(Sommerfeld).
BUCHAREST, 12.3—Romanian
Music (Dinicu, Paschill and
Sykora) by the Radio Orchestra.
12.45—Amusement Guide; Ex-
change. 12.50—Radio Orchestra.
BUDAPEST (No. 1), 12.5—Stepat
Balalaika Orchestra. In the Interval
at 12.30: News.
COLOGNE, 12.0—Wind Band. Con-
ductor: Funk. March, Der
stiegender Rittmeister (Dostal).
March, Hoch die Garde (Krekeler).
March, Mussinan (Carl). March,
Brucker-Lager (Kral). March,
Old Comrades (Teike). Overture,
"Martha" (Flotow). Waltz,

SATURDAY May 11

12 noon (contd.)

Hofballtänze (Lanner). Hungarian Dances (Brahms). Marionetten-Wachtparade (Kuhn). Intermezzo, Naschkätzchen (Siede). Alsatian Peasant Dances (Merkling).

DEUTSCHLANDSENDER, 12.0—See Stuttgart. FRANKFURT, 12.0—See Stuttgart. HAMBURG, 12.0—Shipping. 12.10—See 12.0 Stuttgart.

HILVERSUM, 12.0—Concert (contd. from 10.55). 12.40—Orchestra. Conductor: v. d. Horst. Masquerade (Ivens). Violetta (Mohr).

HUIZEN, 12.0—Records. 12.10—Religious Address. 12.40—Police Messages. 12.55—K.R.O. Orchestra. KALUNDBORG, 12.1—Thyregod Ensemble from the Hotel d'Angleterre.

KÖNIGSBERG, 12.0—See Stuttgart. LEIPZIG, 12.0—Halle Chamber Orchestra from Halle. Conductor: Zschiesing. Ma i k a f e r m a r s c h (Becker).

LYONS (La Doua), 12.0—News. 12.20—Records. MONTE CENERI, 12.0—News. 12.2—Radio Orchestra. Conductor: Herschel.

MÜNICH, 12.0—See Stuttgart. PARIS (Poste Parisien), 12.0—Exchange. 12.5—New Records. 12.25—Interlude; Interview. 12.35—Bellanger Orchestra.

PARIS (Radio-Paris), 12.15—Light Music. Conductor: Doyen. Overture, "Le roi l'a dit" (Delibes). Aria for Strings (Massenet).

PRAGUE, 12.0—Report (contd. from 11.55). 12.10—Elbe Water Level. 12.11—Records. 12.25—News. 12.35—Orchestra.

RADIO-NORMANDIE, 12.0—Chansonnettes. J'pass' mes vacances a Clichy (Borel-Clerc). L'océan (Spencer).

ROME, 12.30—Records. SOTTENS, 12.30—News. 12.40—Records.

STRASBOURG, 12.0—Orchestra. March, Castaldo (Novacek). Matinata (Leoncevallo).

STUTTGART, 12.0—Light Music. Band. Conductor: Meister. Stuttgart Folk Music Club; Heinz Mönch Zither Trio; Hans Thaler (Accordion); Leo Hantz (Guitar); Hans Hanus and Eduard Pöttner (Songs) and a Peasant Band.

TOULOUSE (Radio-Toulouse), 12.0—Band. 12.15—Sound-Film Music. Excerpts, "Le maître de forge"

(Verdun). Une heure (Lévine). Ame de clown (Bos). L'illustré maurin (Ganin). 12.30—News. 12.45—Request Music.

TURIN, 12.0—Orchestra (contd. from 11.30). 12.45—News. VIENNA, 12.0—Records. Huldigungsmarsch (Wagner). Overture, The Hebrides (Mendelssohn).

WARSAW, 12.0—Fanfare; Weather. 12.5—Orchestra. Overture (Lehár). Waltz, "Gipsy Love" (Lehár). Intermezzo, "Die blonde Puppe (Loopold). Potpourri (Lindemann). Selection, "The Merry Widow" (Lehár). 12.50—For Women. 12.55—News.

12:55 P.M. HUIZEN

KRO orchestra

Conductor, M. van 't Woud

- 1. Semper Fidelis, Sousa
2. Overture "Britannicus," Scassola
3. Fantasy "La belle Hélène," Offenbach
4. "Two Temperaments," Kark
5. Amorosa, Barbirolli
6. Gavotte tendre, Ganne
7. American March, Sousa

1 p.m.

ATHLONE, 1.30—Weather; Records. BARCELONA, 1.0—Records.

BERLIN, 1.0—Mid-day Echoes. 1.15—See 12.0 Stuttgart.

BEROMÜNSTER, 1.0—Records. 1.25—Weather; Exchange. 1.30—Parliamentary Review. 1.45—Records.

BORDEAUX-LAFAYETTE, 1.0—Orchestra (contd. from 12.15). In the interval at 1.20: News.

BRATISLAVA, 1.0—Orchestra. 1.45—News; Weather in German and Hungarian.

BRESLAU, 1.0—News. 1.15—Orchestra (contd. from 12.0).

BRNO, 1.0—Orchestra. 1.35—Talk. 1.45—Markets; Record.

BRUSSELS (No. 1), 1.0—News. 1.10—The Constantin Orchestra.

BRUSSELS (No. 2), 1.0—News. 1.10—Records. March (Teike). Selection, "The Land of Smiles" (Lehár).

BUCHAREST, 1.0—Radio Orchestra. 1.15—News. 1.40—Records.

BUDAPEST (No. 1), 1.0—Orchestra (contd. from 12.5). 1.10—Time. 1.15—Greetings.

BUDAPEST (No. 2), 1.20—Weidinger Chamber Orchestra.

COLOGNE, 1.0—News; Greetings. 1.5—Wind Band. Conductor: Funk. Overture, "The Nuremberg Doll" (Adam). Waltz, Frühling und Liebe (Lüdecke).

DEUTSCHLANDSENDER, 1.0—Greetings. 1.5—See 12.0 Stuttgart. 1.45—News.

FRANKFURT, 1.0—News. 1.15—See 12.0 Stuttgart.

HAMBURG, 1.0—Mid-day Revues. 1.15—See 12.0 Stuttgart.

HILVERSUM, 1.0—Orchestra (contd. from 12.40). 1.25—Light Music. Conductor: Steyn. Barcarolla appassionata (Murzilli). Donauwellen (Ivanovici). Rakoczy-Rag (Velt). In Hamburg on the Elbe (Krome). Selection, "Rio Rita" (Thierney). 1.55—Orchestra.

KALUNDBORG, 1.0—Thyregod Ensemble. KÖNIGSBERG, 1.0—News. 1.15—See 12.0 Stuttgart.

LEIPZIG, 1.0—News. 1.15—Halle Chamber Orchestra (contd. from 12.0).

LYONS (La Doua), 1.0—Records; News. 1.35—Records.

MONTE CENERI, 1.5—Records. 1.45—Alba Rieti (Soprano). Der Neugierige (Schubert). Ah! mai nun cessate (Donaudy). Aria, "Manon" (Massenet). Aria, "L'Amico Fritz" (Mascagni).

MÜNICH, 1.0—News. 1.15—The "Radio Four." Minuet (Bolzoni). Rondo (Gabriel-Marie). Song. In Wien gibts manch' winziges Gasserl (Stolz). Loin du bal (Gillet). Volga Song, "The Czarevich" (Lehár). Tango, Ich bin allein mit meiner Liebe (Bochmann). Tango, Sprich nicht von Treue (Mackeben). Sag mir, wer du bist (Grothe).

OSLO, 1.0—Records. 1.45—Exchange; Records.

PARIS (Eiffel Tower), 1.0—Markets. 1.15—News. 1.30—For Farmers. 1.40—Labour Exchange. 1.50—Economic Notes.

PARIS (Poste Parisien), 1.0—Orchestra. 1.5—Interlude. 1.15—Exchange. 1.19—Bellanger Orchestra.

PARIS (PTT), 1.0—See 12.15 Bordeaux-Lafayette. In the interval at 1.20: News; Exchange.

PARIS (Radio-Paris), 1.0—Light Music (contd. from 12.15). In the interval at 1.20: News.

PRAGUE, 1.0—Orchestra. 1.35—Industrial Review; Talk: Czechoslovak Air Lines. 1.45—Records. 1.55—Exchange.

RADIO-NORMANDIE, 1.0—Request Music (contd. from 12.45).

ROME, 1.0—Time; Announcements. 1.5—Light Music. Selection, "Lilac Time" (Schubert-Berte). Japanese Nights (Anepeta). Positilopo odoroso (Ricciardi). Oriental Procession (Leemans). Serenata fiolosana (Lattuada). Tango (Kaper). Selection, "Madame Sans-Gêne" (Giordano). Canzone d'amore (Ferraris).

SOTTENS, 1.0—Records. STRASBOURG, 1.0—Records. Overture, "William Tell" (Rossini). Danse Macabre (Saint-Saëns). Silly Symphony Selection (Walt Disney). Romance (Tchaikovsky). Kuyavik (Wieniawsky). Gipsy Waltz (Rimsky-Korsakov). Volga March (Dostal). Chinese Street Serenade (Sienna). Boston. Piece (Clar-Bayle). Vienna, City of my Dreams (Sieczynski). Ballgeföhler (Meyer-Helmund). Variations, Les Triolets (Vacher-Peguri). Boston. Sphinx (Poppy). Waltz, Je l'aime (Waldteufel).

STUTTGART, 1.0—News. 1.15—Light Music (contd. from 12.0).

TOULOUSE (Radio-Toulouse), 1.0—News. 1.5—Operetta Music. Excerpts, "Le renard chez les poules" (Richepin). "La pouponnière" (Verdun). "Au pays du soleil" (Scott). "Un soir de réveillon" (Moretti). 1.15—Viennese Orchestra. Waltz, Wienerblut (Strauss). Curly (Powell) Loreley (Strauss). Over the Waves (Rosas). 1.30—Songs. 1.45—Operetta Music. Excerpts, "La cocarde de Mimi Pinson" (Goublier). "Katanka" (Lajtal). "Yes" (Yvain). "The Land of Smiles" (Lehár).

TURIN, 1.0—Time; Announcements. 1.5—Fashion Talk. 1.10—

Ambrosiana Orchestra. Conductor: Culotta. Overture, "Consalvo" (Azzoni). Sagra al villaggio (Cerri). Selection, "Guido del Popolo" (Robbiani). Rugiadosa (Culotta). Sotto la luna (Gragnani). Berceuse (Szulc).

VIENNA, 1.0—News. 1.10—Records of the London Symphony Orchestra. Conductor: Albert Coates. Fantasia and Fugue (Bach, arr. Elgar). Hungarian Rhapsody No. 1 (Liszt). Selection, "Tannhäuser" (Wagner). Prelude to Act III, "Lohengrin" (Wagner). Till Eulenspiegel's Merry Pranks (Strauss).

WARSAW, 1.0—News. 1.5—Operetta Records. 1.50—Shipping. 1.55—Announcements.

2 p.m.

ATHLONE, 2.0-2.30—Records. BARCELONA, 2.0—Records. 2.30—Theatre and Amusement Guide; Records. 2.55—Film Notes.

BERLIN, 2.0—News. 2.15—Paul Noack-Ihlenfeldt (Pianoforte). Bruno Boecker (Baritone) and Erwin Hohne (Saxophone).

BEROMÜNSTER, 2.0—Review of Music Books. 2.30—Solothurn Wagn Accordion Club.

BRESLAU, 2.0—Programme Notes. 2.5—Exchange. 2.10—Announcements. 2.35—Greetings. 2.40—Markets.

BUDAPEST (No. 1), 2.40—For Housewives. COLOGNE, 2.0—News. 2.15—See 2.0 Deutschlandsender. 2.0—Variety Programme. 2.55—Programme Announcements; Weather; Exchange.

FRANKFURT, 2.0—News. 2.15—"The Wonders of Nature."—A Report. 2.30—Economic Notes. 2.35—Weather.

HAMBURG, 2.0—News. 2.20—Musical Variety.

HILVERSUM, 2.0-2.25—Orchestra (contd. from 1.55). 2.40—Music Talk.

HUIZEN, 2.0—K.R.O. Boys. Conductor: Lustenhouwer. Old Bohemian Town (Kennedy). Old Mammy (Kennedy). Enfants du printemps (Waldteufel). Potpourri (Minor). Andalusian Serenade (Eilenberg). Ke-sa-ko (Chapuis). Finale. 2.40—For Young People.

KÖNIGSBERG, 2.0—Announcements. 2.30—Announcements; Records.

LEIPZIG, 2.0-2.10—News; Exchange. 2.45—Handicrafts Lesson for Children.

LYONS (La Doua), 2.0—To be announced.

MADRID (EAJ7), 2.0—Chimes; Time; Weather; Light Music; Talk. 2.30—Suite, "L'Arlesienne" (Bizet).

MÜNICH, 2.0—News. 2.10—Weekly Sports Review. 2.20—Talk for Girls: Occupational Training. 2.45—Orchestra from Erlangen.

PARIS (Poste Parisien), 2.0—Exchange.

PARIS (Eiffel Tower), 2.0—For Women. 2.20—Letter-box. 2.30—Jazz Music.

PARIS (PTT), 2.0—Talk: Chartres. PRAGUE, 2.0-2.5—Exchange (German).

ROME, 2.0—News. 2.15—Mediterranean Programme.

STOCKHOLM, 2.0—Light Music. Hyhomb Orchestra.

STRASBOURG, 2.0—See Paris (PTT). STUTTGART, 2.0—"Cradle Songs" (Humorous Sequence. 2.30—Old Folk Songs and Melodies by Nothelfer (Tenor), Otto Hohn (Violin) and Leo Hantz (Lute). Serenade No. 2 (Giuliani). Four Songs (Brahms): (a) Sagt mir, (b) Ach, englische Schäferin, (c) Jungfräulein, (d) Feinsliebchen. Serenade No. 3 (Giuliani).

TURIN, 2.0—Records; Exchange.

VIENNA, 2.0—Records of Aureliano Pertile. Arias, "La Favorita" (Donizetti). "Luisa Miller" (Verdi). "Manon Lescaut" (Puccini). Duet, "William Tell" (Rossini). 2.20—Announcements. 2.50—Weather; Exchange.

WARSAW, 2.45—Records.

3 p.m.

BARCELONA, 3.0—Announcements; Musical Programme. 3.30—Talk: Music; Labour Exchange.

BERLIN, 3.0—Exchange; Markets. 3.30—Johann Ernst Gotzkowski—Sequence about a Berlin Merchant of Frederick the Great's Time (Meta Brix).

BORDEAUX-LAFAYETTE, 3.2—See Paris (PTT). BRESLAU, 3.10—Talk: Science and Crime. 3.30—Talk: Nurses

and the National Socialist Regime. 3.45—Reading (Höcker).

BUDAPEST (No. 1), 3.0—For Housewives. 3.30—Greetings.

COLOGNE, 3.0—Insurance. Talk: Employer's Liability. 3.30—Economic Notes. 3.40—Talk: The Elder Tree in German Folk Custom.

DEUTSCHLANDSENDER, 3.0—Announcements; Exchange. 3.15—Handicrafts Lesson for Girls. 3.35—Weekly Industrial Review. 3.45—Talk: Handicrafts must be advertised.

FRANKFURT, 3.0—See Stuttgart.

HAMBURG, 3.0—Wireless Announcements. 3.15—Exchange. 3.30—Brazilian Economic Notes (on Records). 3.40—Shipping.

HILVERSUM, 3.0—Music Talk with Records. 3.25—Cinema Chat. 3.40—Violin Recital by Walis. Air, Allegro and prestissimo (Leclair). Sicilienne and Rigaudon (Kreisler). Spanish Dance (Kreisler). Valse caprice (Wieniawski). Jota Navarra (Sarasate).

HUIZEN, 3.0—For Young People. 3.10—Sports Talk. 3.40—For Children.

KALUNDBORG, 3.30—Radio Orchestra. Conductor: Fritz Mahler. Overture, "Madame Favart" (Offenbach). Gavotte, Minuet and Passepied, "Castor et Pollux" (Rameau). Selection, "The Fair Maid of Perth" (Bizet). Delirienwzaler (Strauss). Overture, "The Lovely Galatea (Suppé). Overture, "Cagliostro in Wien" (Strauss). Minuet (Hans Gal). March, "Die sieben Schwaben" (Millöcker). Selection, "The Gipsy Princess" (Kálmán). Overture, "Eva" (Lehár).

KÖNIGSBERG, 3.0—Markets; Exchange. 3.10—Talk for Women. 3.20—Dog Stories for Children. 3.45—Book Review.

LEIPZIG, 3.0—Handicrafts Lesson for Children. 3.25—Talk: The National Socialist Legal Handbook. 3.40—Brazilian Economic Notes (Records).

3.0 P.M. WARSAW

RUSSIAN EASTER

SPRING AND SUMMER

music by the "White Russia" Choir. Conductor, Gr. Szyrina. With Commentaries.

LYONS (La Doua), 3.2—See Paris (PTT). MADRID (EAJ7), 3.0—Amusement Guide; Exchange; Light Music. 3.30—Sextet.

MOSCOW (No. 1), 3.15—For Children. 3.58—Time.

MÜNICH, 3.0—Orchestra from Erlangen. 3.15—Beethoven, Schubert, Schumann and Wolf Settings of Goethe's "Mignon," by Lucie Rabenbauer (Soprano). 3.30—Songs in Dialect. 3.50—Weather; Markets.

PARIS (Eiffel Tower), 3.0—Jazz Music.

PARIS (Poste Parisien), 3.15 and 3.45—Exchange.

PARIS (PTT), 3.0—Exchange. 3.2—"Le Baptême de l'Air"—Operetta (Renaud).

PARIS (Radio-Paris), 3.0—For Children.

PRAGUE, 3.55—Dance Music by the Dvorsky Melody Boys, from the Richmond Hotel, Karlsbad.

STOCKHOLM, 3.0—Theatre Anecdotes by Ernst Fastbom. 3.25—String Quartet in A flat (Ohlsson).

STRASBOURG, 3.2—See Paris (PTT).

STUTTGART, 3.0—Music and Literature of the Young Generation (arr. Stapelberg).

VIENNA, 3.5—French Talk: Alfred de Musset. 3.25—Concert by a Mandoline Band. Conductor: Domenico Fiori sparsi (Sartori). Dornröschen Brautfahrt (Rhode). Arab Dance (Tarenghi). Song, "Die Schützenles" (Eysler). Spanish Rhapsody (Salvetti).

WARSAW, 3.0—"Spring, Easter and Summer in Songs of White Russia." 3.30—Reading. 3.45—Station Orchestra. Conductor: Nawrot. Overture, "Die Felsenmühle" (Reissiger). Waltz, O schöner Mai (Strauss). Piece (Macura). Krakowiak (Rybicki). Ballet, "The Merry Wives of Windsor" (Moniuszko).

4 p.m.

BARCELONA, 4.0—Announcements: Programme for Hospitals. 4.30—Amateurs at the Microphone.

3.30 P.M. KALUNDBORG

OPERA and OPERETTA MUSIC

Radio Orchestra, Conducted by Fritz Mahler Excerpts from Offenbach, Rameau, Bizet, Strauss, Suppé, Millöcker, Kálmán, Lehár

4 p.m. (contd.)

BERLIN, 4.0—See Cologne.
 BEROMÜNSTER, 4.0-5.0—See Monte Ceneri.
 BORDEAUX-LAFAYETTE, 4.0—See 3.2 Paris (PTT).
 BRESLAU, 4.0—See Cologne.
 BRUSSELS (No. 1), 4.0—Talk: The Chateau de Mariemont, 4.15—Records: Impressions d'Italie (Charpentier), 4.40—News, 4.45—Talk: Aerial Defence.
 BRUSSELS (No. 2), 4.0—Records. Divertissement on Russian Songs (Rabaud). Polka, "Schwanda" (Weinberger), 4.15—Talk, 4.30—Records of Lotte Lehmann (Soprano), Arias, "Turandot" (Puccini), "Arabella" (Strauss), "Figaro" (Mozart), "Die toten Augen" (d'Albert), Berceuse (Weber), 4.55—Announcements.
 COLOGNE, 4.0—Variety. Augmented Station Chamber Orchestra, a Schrammel Quartet, the Six Merry Singers, and Soloists. Conductor: Kneip.
 DEUTSCHLANDSENDER, 4.0—See Cologne.
 HAMBURG, 4.0—See Cologne.
 HILVERSUM, 4.0—Violin (contd. from 3.40), 4.10—Records, 4.55—Talk.
 HUIZEN, 4.0-4.40—For Children, 4.55—Records.
 KALUNDBORG, 4.0—Orchestra (contd. from 3.30). In the Interval: Reading.
 KÖNIGSBERG, 4.0—See Cologne.
 LAHTI, 4.0—Records, 4.50—Recitations.
 LEIPZIG, 4.0—Leipzig Symphony Orchestra and Soloists. Conductor: Weber. Lotte Loeffel (Soprano); Kreiensen (Tenor); Kretzschmar (Songs to the Lute); Luh (Violin); List (Flute), and Keller (Pianoforte); Overture, "Czar and Carpenter"; Overture, "Das Dorf ohne Glocke" (Künneke). Minuet in F (Habert). Pianoforte Solos (Schumann): (a) Aufschwung, (b) Geschwindmarsch, Waltz, "Faust" (Gounod). Song, "Boccaccio" (Suppé). Violin and Orchestra: Zigeunerweisen (Sarasate). Songs to the Lute. Overture, "Edelweiss" (Komzak). Pianoforte: Polonaise in F sharp minor (Chopin). Duet, "A Night in Venice" (Strauss). Romance in F minor (Tchaikovsky).

Songs to the Lute. Tremolo—Variations for Flute and Orchestra (Demersmann). Song, "Eine einzige Nacht" (Stolz). Je t'aime (Waldteufel). Duet, "The Land of Smiles" (Lehár). Selection, "Ihre Hoheit, die Tänzerin" (Goetze).
 LYONS (La Doua), 4.0—See 3.2 Paris (PTT).
 MADRID (EAJ7), 4.0—News; Ex-

My Dream (Waldteufel). March (Lasslezberger).
 PARIS (Eiffel Tower), 4.0—Tourist Report, 4.10—Esperanto, 4.20—Markets.
 PARIS (PTT), 4.0—"Le Baptême de l'Air"—Operetta (Renault) (contd. from 3.2).
 PARIS (Radio-Paris), 4.0—Talk from

BORDEAUX-LAFAYETTE, 5.0—See 3.2 Paris (PTT).
 BRATISLAVA, 5.10—Slovak Songs, 5.35—Talk for Workers, 5.50—Hungarian Transmission: Reading; Dance Music.
 BRESLAU, 5.0—See 4.0 Cologne.
 BRNO, 5.0—Record, 5.15—Reading, 5.30—Literary Review, 5.40—German Transmission: "Liebestücke"—One Act Operetta (Bruckmüller).
 BRUSSELS (No. 1), 5.0—Concert from the Exhibition.
 BRUSSELS (No. 2), 5.0—Records. Chaliapin: Song of the Viking Guest, "Sadko" (Rimsky-Korsakov). Fanny Heldy: Waltz, "Romeo and Juliet" (Gounod). Toti dal Monte: Venetian Carnival (Benedict), 5.15—For Children.
 BUCHAREST, 5.0—Military Music.
 BUDAPEST (No. 1), 5.0—Talk, 5.30—Hungarian Songs by Margit Uray.
 COLOGNE, 5.0—Variety (contd. from 4.0).
 DEUTSCHLANDSENDER, 5.0—See 4.0 Cologne.
 FRANKFURT, 5.0—See 4.0 Cologne.
 HAMBURG, 5.0—See 4.0 Cologne.
 HILVERSUM, 5.0—Talk (contd. from 4.55), 5.15—Organ Recital by Steyn, 5.40—Talk, 5.55—Mary Adler-Kahn and Sini Ootens (Pianoforte Duets).
 HUIZEN, 5.0—Records, 5.10—K.R.O. Orchestra. Conductor: van 't Woud. Schweizer Schützengilde (Zimmer). Au printemps de la vie (Mouton). Berceuse (Guil-laume). Three Dances, "Tom Jones" (German). Tchaikovsky Potpourri (Urbach). Records. Achtung! Achtung! wir senden Tanzmusik (Dostal). Der alte Brummbär (Fučík). Bei Lied und Wein (Armandola). Waltz Potpourri (Robrecht). Selection, "Die Meistersinger von Berlin" (Lincke).
 KALUNDBORG, 5.0—Orchestra (contd. from 3.30), 5.30—Exchange; Markets, 5.42—A Poem, 5.45—Talk. On Tour with a Dramatic Company.
 KÖNIGSBERG, 5.0—See 4.0 Cologne.
 LAHTI, 5.0—Recitations, 5.20—Kaarlo Helander (Accordion), 5.40—Talk, 5.50—News.
 LEIPZIG, 5.0—Leipzig Symphony Orchestra (contd. from 4.0).
 LYONS (La Doua), 5.0—See 3.2 Paris (PTT).

SATURDAY May 11

MONTE CENERI, 5.0—"The Lugano Composer, Vicari"—the Radio Orchestra and the Santa Cecilia Choir. Conductor: The Composer. Prelude, "Marilla ed Occhi di mare." Choir: Lontanaza. Orchestral Fantasia, Dal libro dei ricordi. Choir: (a) Cadon le foglie, (b) In alto. Choir and Orchestra: La Notte. Intermezzo for Orchestra. Soprano and Orchestra: Pasqua di risurrezione. Orchestra: On Lake Lugano. Choir and Orchestra: La giovinezza, 5.40—Accordion, March, Il ritorno (Deiro). Valzer del cucu. Foxtrot, Stelle caedenti. Tango, Poema. Foxtrot Intermezzo, Lo spazzacamino. March, Locarno.
 MORAVSKÁ-OSTRAVA, 5.0—Choir, 5.35—Weekly Review, 5.45—Record, 5.50—Local News, 5.55—For Workers.
 MOSCOW (No. 1), 5.0—Communist Party Programme.
 MUNICH, 5.0—Variety (contd. from 4.0).
 OSLO, 5.0—Records, 5.40—For Children.
 PARIS (PTT), 5.0—"Le Baptême de l'Air"—Operetta (Renault) (contd. from 3.2).
 PRAGUE, 5.0—Lithuanian Songs by Magda Sepová, 5.20—Sports Talk, 5.30—Records, 5.35—For Farmers, 5.45—Talk for Workers, 5.55—Topical Talk (German).
 RADIO-NORMANDIE, 5.0—Dance Music, 5.15—Violin, "Cello and Pianoforte." Pizzicato, "Sylvia" (Delibes). Mia Belle Rosa. Un peu d'amour. Chanson triste, 5.30—Records.
 ROME, 5.5—Lottery Results, 5.10—Concert, 5.55—Weather.
 SOTTENS, 5.0-5.55—See Monte Ceneri.
 STOCKHOLM, 5.0—Weather, 5.5—"Bewitched"—Play for Children. (Herzberg-Lidén), 5.30—Choir. Conductor: Hult. Olav Trygvason (Reissiger). Tröst (Merikanto). Serenade (Josephson). Spring Song (Josephson). Two "Fredman" Songs (Bellman). Dutch Folk Song (arr. Olsson). Hejdunkom (arr. Svedbom), 5.55—Report from the Hålsingborg Children's Welfare Centre.
 STRASBOURG, 5.0—Orchestra.

WEEK-END MUSIC

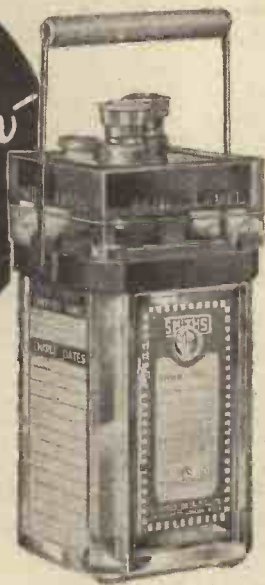
★ 4 P.M. LEIPZIG. An Opera and Operetta programme by Lotte Loeffel (soprano), W. Kreiensen (tenor), W. Kretzschmar (Songs to the lute), Emil Luh (violin), Erich List (flute), Oswin Keller (pfe.), Fr. Sammler (accompanist), The Symphony Orchestra, Conductor Hilmar Weber.

change; Light Music, 4.30—Sextet. Selection, "La Parrada" (Alonso). Barcarolle, Cleopatra (Mancinelli). Czardas (Gimgt), 4.50—Announcements.
 MONTE CENERI, 4.0—"Waltzes," Radio Orchestra. Conductor: Leopoldo Casella. Wine, Woman and Song (Strauss). Gold and Silver (Lehár). Waltzes from "Der Rosenkavalier" (Strauss), 4.40—"The Sunflower"—A Song Fantasia (on Records), 4.50—Talk in German: The Ticino and Lugano.
 MOSCOW (No. 1), 4.0—News, 4.30—Communist Party Programme.
 MUNICH, 4.0—Variety. Leo Schneider Band and Soloists. Kaiser-Friedrich Marsch (Friedemann). Ballet Intermezzo (Müller-Melborn). Zither Duets. Waltz, Fideles Wien (Komzak). Polka-Mazurka, Ein Herz ein Sinn (Strauss). Items by Toni Forster-Larrinaga. Potpourri of Russian Melodies (Leopold). "Die schwierige Rechnung"—Sketch. Waltz Potpourri (Robrecht). Mouth Organ Solos. Serenade, Eine Geize singt um Mitternacht (Pata). Accordion Solos. Waltz,

the Museum of Ethnology: Mexico and the Antilles.
 PRAGUE, 4.0—Dance Music (contd. from 3.55), 4.35—Literary Talk for Young People: Arnost Dvořák.
 RADIO-NORMANDIE, 4.0—Dance Music, 4.45—For Children.
 ROME, 4.30—News; Exchange, 4.40—For Children.
 SOTTENS, 4.0-5.0—See Monte Ceneri.
 STOCKHOLM, 4.0—Records.
 STRASBOURG, 4.0—For Women, 4.15—Music Talk: The Picturesque Element in Bach, 4.45—Records.
 STUTTGART, 4.0—See Cologne.
 TURIN, 4.30—News, 4.40—For Children, 4.55—For Women.
 VIENNA, 4.0—News; Exchange, 4.5—Nature Talk, 4.20—Records.
 WARSAW, 4.0—Station Orchestra (contd. from 3.45), 4.30—Letter-box, 4.45—Records.

5 p.m.

BARCELONA, 5.0—News; Records.
 BERLIN, 5.0—See 4.0 Stuttgart.
 BEROMÜNSTER, 5.0-5.55—See Monte Ceneri.



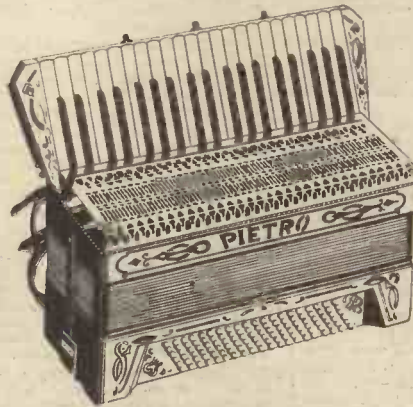
A Smith Accumulator gives new power—new tone to your radio. You cannot fail to notice the extra liveliness and sparkle which has brought this all-British accumulator right into the forefront. And you cannot fail to benefit by its exceptionally long "working life." Smith's Accumulators are stocked by leading radio dealers throughout the country.

Write for free illustrations and information on list.

SMITH'S
ACCUMULATORS
 S. SMITH & SONS (Motor Accessories) LTD.,
 CRICKLEWOOD, LONDON, N.W.2

PIETRO PIANO ACCORDIONS

PRICES
 £3:3
 to
 £15:15



PRICES
 £3:3
 to
 £15:15

An entirely new range of Pietro Piano Accordions is now available from all the leading Musical Instrument Dealers in the country.
 Easy terms available.
 Pietro Piano Accordions have a world-wide reputation and are known for their quality of tone and beautiful pearl finish.

FREE-POST COUPON NOW

To J. & A. MARGOLIN, 112-114-116, OLD STREET, LONDON, E.C.1.
 Sole Wholesale Distributors for PIETRO ACCORDIONS.

Please send me, post free, coloured brochure of Pietro Piano Accordions.

Name

Address

W.R.A.I.

SATURDAY May 11

5 p.m. (contd.)

Conductor: De Villers. Jude (Flute), Grégoire (Violin), Briqueter (Viola), Roskam (Cello) and Mlle. Kauffmann (Harp). Overture, "Euryanthe" (Weber). Three Pieces (Ropartz). Conte d'Avril (Widor). Violin Solo: Legend (Wieniawsky). March and Bridal Chorus, "Lohengrin" (Wagner). STUTTGART, 5.0—See 4.0 Cologne. TURIN, 5.0—For Women. 5.5—Dance Music. 5.55—Weather. VIENNA, 5.0—Records. 5.10—Viennese Elegies (Lux). Fritz Weigel at the Piano forte. 5.45—Report on the Second Half of the Football Match, Singers v. Actors. WARSAW, 5.0—Roman Catholic Service. 5.50—Talk: Polish Towns and Villages.

7.0 P.M. COLOGNE

ENGLISH MUSIC

Variations and Fugue on an Irish theme, for two pianofortes Norman O'Neill
Sonata, Violin and pianoforte Becket Williams
Suite for two pianofortes Algernon Ashton

Carl Eugen Koerner (Violin)
Hans Haass
Hubert Mengelbier } Pianofortes
Walter Beissel

6 p.m.

ATHLONE, 6.0—Records. 6.45—News. BELGRADE, 6.25—Announcements. 6.30—Songs by Mitrovic. BERLIN, 6.0—Sports Report. 6.15—"The Sixth-Former"—Scenes and Songs (arr. Ernst Keienberg). Incidental Music by Jim Cowler. The School Bell; Were you a Model Scholar? "The Detention Room"—A Humoresque (Ernst Eckstein); The Pupil's Desk; Dismissal. BEROMÜNSTER, 6.0—Records: Country Dances. 6.30—Programme for Young People. BORDEAUX-LAFAYETTE, 6.30—News. BRATISLAVA, 6.0—Hungarian Transmission (contd. from 5.50). 6.35—Topical Talk. BRESLAU, 6.0—Reading, "Die Geschichte von Peter, dem Kautz, und Schnaurli, dem Kater" (Böhme). 6.20—Topical Talk. 6.40—Poems of To-day. 6.50—Weather. BRNO, 6.0—"Liebesstücke" (Bruckmüller) (contd. from 5.40). 6.20—Talk for Workers. BRUSSELS (No. 1), 6.0—Records: La nuit ensorcelée (Chopin-Aubert). 6.15—Talk: Fishing. 6.30—Records. Slav Dances Nos. 1, 2, 3 and 4 (Dvořák). Selection, "La Mascotte" (Audran). BRUSSELS (No. 2), 6.0—Report from the Exhibition: Return of the Duke of Lorraine's Hunt. 6.45—Mme. de Roo-Borrey (Songs) with Records. Carnival Overture (Dvořák). Songs: (a) Arias, "La Princesse d'auberge" (Block), "Isa" (Benoit). Persian Dances, "K hovanstchina" (Mussorgsky). Songs (de Roo): (a) Idylleken, (b) Aanroepingen. Fantasia for Harp (Saint-Saëns). Gigue (Grétry-Mottl). Bolero (Ravel). BUCHAREST, 6.0—News. 6.15—Military Music. BUDAPEST (No. 1), 6.0—Talk. 6.30—Kalm-Balázs Quintet. BUDAPEST (No. 2), 6.35—For Farmers. COLOGNE, 6.0—Reading, "Das gute Zeichen" (Hans Roselieb). 6.15—Scandinavian Songs of Germanic Origin—Recital by Hans Pehn-Dewitz. 6.45—Economic and Sports Notes. DEUTSCHLANDSENDER, 6.0—Weekly Sports Review. 6.20—Topical Talk. 6.30—Polish Folk Music by the Warsaw Station Choir and Orchestra. Conductor: Sygietyński (Records).

FRANKFURT, 6.0—Talk: Frontier Problems. 6.20—Surprise Programme. 6.30—The Roving Microphone. 6.40—Talk for Workers. HAMBURG, 6.0—Talk: Karin Hartung, the Authoress. 6.30—Programme for Sailors. HILVERSUM, 6.0—Pianoforte Duets (contd. from 5.55). 6.20—Literary Talk. 6.40—Records. HUIZEN, 6.0—K.R.O. Orchestra (contd. from 5.10). KALUNDBORG, 6.0—Talk (contd. from 5.45). 6.15—French. 6.45—Weather. KÖNIGSBERG, 6.0—Film Chat. 6.15—Markets. 6.20—Organ Recital by Adolf Schütz. Prelude and Fugue (Brahms). Choral Prelude and Fugue on "O Traurigkeit" (Brahms). Prelude and Fugue (Reger). 6.45—Local News. 6.55—Topical Talk. LAHTI, 6.0—News. 6.15—Talk. 6.35—The Station Orchestra. Conductor: Linko. Overture, "Maritana" (Wallace). Dance of the Elves (Henriques). Entr'acte Gavotte (Gillet). Piece (Hannikainen). Dream Pictures (Lumbye). LEIPZIG, 6.0—A Modern Dictionary. 6.15—Weekly Report of the Hitler Youth. 6.25—Report from a Girls' Training Camp. 6.40—Talk: Albania. LYONS (La Doua), 6.0—See Paris (Radio-Paris). 6.30—News. MADRID (EAJ7), 6.0—Chimes; Light Music. 6.30—Talk: The Protection of Animals and Plants. MORAVSKÁ-OSTRAVA, 6.5—Record. 6.10—Talk: Literature. 6.20—Records. 6.30—Elocution. MOSCOW (No. 1), 6.0—Communist Party Programme. 6.30—"La belle Hélène"—Operetta (Offenbach). Conductor: Orlov. MUNICH, 6.0—A Short Sketch. 6.10—Discussion: The Mother and German Law. 6.30—Chamber Music. Anna Barbara Speckner (Spinet); Wilhelm Twittenhoff (Recorder). Pieces for Recorder and Spinet (Leopold Mozart). Sonatas for Spinet (Benda). Suite Fischer). 6.50—Announcements. OSLO, 6.0—For Children. 6.20—Parliamentary Review. 6.35—Economics Talk and Report. 6.55—Announcements. PARIS (Eiffel Tower), 6.45—Music. PARIS (Poste Parisien), 6.25—Exchange. 6.30—Address by the Rev. Fr. Ponsard. 6.55—Talk. PARIS (PTT), 6.0—Science and Literary Reviews. 6.30—News. PARIS (Radio-Paris), 6.0—Talk on Graphology. 6.15—Reading (Marcel Prévost). 6.30—Report and Talk for Farmers; Exchange; Markets; Racing Results. PRAGUE, 6.0—Topical Talk (German). 6.10—Songs and Recitations in German. 6.45—News in German. 6.55—Records. RADIO-NORMANDIE, 6.0—For Children. 6.45—Roman Catholic Report. ROME, 6.0—Wheat Markets. 6.40—Italian Lesson for Greeks. SOTTENS, 6.0—For Children. 6.20—Talk for Young Stamp Collectors. 6.35—Temperance Talk. 6.55—Talk: Swiss Stamps. STOCKHOLM, 6.0—Report (contd. from 5.55). 6.20—Light Music. STRASBOURG, 6.0—For Farmers. 6.15—Records of Military Music. March, "Aida" (Verdi). Selection, "La Fille de Madame Angot" (Lecocq). Minuet, Suite in D (Mozart). Polka des souris blanches (Allier). Mazurka, Esmeralda (Wittmann). Le joueur trompette (Allier). Selection, "Les saltimbanques" (Ganne). La schottische des Priseurs (Leger). Les gars d'Alsace (Dupont). 6.45—French. STUTTGART, 6.0—Weekly Sound News. 6.30—See Frankfurt. TOULOUSE (Radio-Toulouse), 6.0—News; Racing Results. 6.15—Accordion Solos. Tango folie (Hodeige). Albert (Scottio). La saison des mimosas (Claret). J'en rêve encore (Curtis). 6.30—Chansonnettes. 6.45—Cello. Prelude (Corelli). Arlequin (Popper). Sarrabande from the Suite in G (Bach).

Allegro appassionata (Saint-Saëns). Serenade (Pierné). TURIN, 6.0-6.10—Corn Markets; Lottery Results. 6.45—Tourist and Dopolavoro Notes. VIENNA, 6.0—Football Match Report (contd. from 5.45). 6.30—Folk Dances from the Konzerthausaal. WARSAW, 6.0—For Children. 6.30—Press Review. 6.40—Talk on Art. 6.45—Song Records.

7 p.m.

ATHLONE, 7.0—Advanced Irish. 7.15—To be announced. 7.30—Musical Comedy Music. Station Orchestra. BARCELONA, 7.0—Request Records. 7.15—Talk in Catalan. 7.30—For Children; Records. BELGRADE, 7.0—Announcements; Records. 7.15—News. 7.30—National Programme. BERLIN, 7.0—"Fasting—Feasting"—Programme of Literature and Music. 7.40—Evening Echoes. BEROMÜNSTER, 7.0—Chimes from Zürich Churches. 7.15—Weather; Markets. 7.20—Medical Talk. 7.50—Basle Zither Quartet. BORDEAUX-LAFAYETTE, 7.45—Reading in Langue d'Oc. BRESLAU, 7.0—Chimes from Silesian Churches. 7.5—Reading, Mutter (Jahr). 7.15—German Songs. Gerda Specht (Contralto) and Gerhard Bertermann (Baritone). Kommt, ihr Gespielen (Franck). Das Veilchen im Tale (Weber). Frühlingsliebe (Schulz). Zwischen Weizen und Korn (a) (Zelter), (b) (Franz). Minnelied (Weber). Umsonst (Franz). Ach wenn ich doch ein Immechen wär (Franz). Frühzeitiger Frühling (Zelter). Zum Reigen herbei (Felix). 7.40—Topical Review. BRNO, 7.35-9.15—Mothers' Day Programme. 7.35—Sonatina (Dvořák) by Kling (Violin) and Bakala (Pianoforte). BRUSSELS (No. 1), 7.0—Records (contd. from 6.30). 7.30—Exhibition Notes; Science Review. BRUSSELS (No. 2), 7.0—Talk. 7.15—Records of Dutch Humourists. 7.30—Film Review. BUCHAREST, 7.0—Talk. 7.20—Records. 7.45—Talk. BUDAPEST (No. 1), 7.0—Quintet (contd. from 6.30). 7.45—Operetta Music. Budapest Concert Orchestra. Conductor: Polgar. Antal and Szedo (Songs). BUDAPEST (No. 2), 7.0—For Farmers. 7.10—Klara Scharwz (Harp). 7.50—Talk: Italy. COLOGNE, 7.0—English Music. 7.50—Snapshots. DEUTSCHLANDSENDER, 7.0—See Frankfurt. 7.45—Discussions on Topical Subjects. FRANKFURT, 7.0—Military Band. Conductor: Hermann von der Dovenmühle. March, Herzog von Braunschweig. York March (Beethoven). Austrian Infantry March (Schubert). Two Marches. Radetzky March (Strauss). Swedish War March (Björneborganes). March, "Indra" (Flotow). Der Jäger aus Kurpfalz (Rhode). Three Marches. Preussens Gloria (Piefke). Two Marches. Weidmannsheil (Reckling). HAMBURG, 7.0—"Halka"—Opera (Moniuszko), by the Polish National Opera Company. Conductor: Schmidt-Isserstadt (Records). HILVERSUM, 7.0—Records. 7.10—Talk in Esperanto. 7.30—Variation (Joachim) by Smit (Viola) and Vogel (Pianoforte). 7.40—Folklore Programme. HUIZEN, 7.0—Press Review. 7.25—Records. 7.40—Police Messages. 7.55—Talk. JUAN-LES-PINS (Radio Côte d'Azur), 7.15—Orchestra. 7.40—Press Review. 7.50—Weekly Review. KALUNDBORG, 7.0—News. 7.15—Discussion: A Danish or an English Sunday. KÖNIGSBERG, 7.0—Topical Talk. 7.10—Violin Recital by Günther Veidt. Prelude in A Minor (Reger).

Sonata in A (Mozart). 7.35—Programme for the Anniversary of the Birth of Johann Peter Hebel, the Poet (arr. Allmann). LAHTI, 7.0—Orchestra (contd. from 6.35). 7.10—Talk. 7.30—Popular Programme. LEIPZIG, 7.0—See Hamburg. LYONS (La Doua), 7.30—Variety. MADRID (EAJ7), 7.0—Wireless Notes. 7.30—News. 7.40—Madrid Philharmonic Orchestra. Conductor: Péré Casas. Luis Antón (Violin), Faustino Iglesias (Viola), and Gassent (Cello). Overture,

STRASBOURG, 7.0—Records: Billoquet and Company. 7.30—News. 7.45—Records. STUTTGART, 7.0—Week-end Dance Music. Willi Wende Band. Eva Regina Fein (Songs). In the Interval: "Gossip"—Sketch (Paul Schaaf). TOULOUSE (Radio-Toulouse), 7.0—Cello (contd. from 6.45). 7.20—Opera Music. Excerpts, "Martha" (Flotow), "Les brigands" (Offenbach), "Madame Butterfly" (Puccini), "Le bon roi Dagobert" (Rous-



A corner of the Old Brussels Section of the Exhibition, to be described by Théo Fleischmann in the Brussels No. 1 programme at 9 p.m.

"Alceste" (Gluck). Prelude and Death of Isolde, "Tristan and Isolde" (Wagner). Three Concert Movements for Violin, Viola, "Cello and Orchestra (Bacarisso). Symphony in B minor, the Pathetic (Tchaikovsky). In the Interval: News. MONTE CENERI, 7.15—Talk for Women. 7.30—Neapolitan Songs by Schipa (Records). Guapparia (Bovio-Falco). Piscatore e pulicello (Murolo-Tagliaferri). "A canzone d'e stelle" (Murolo-Tagliaferri). 7.45—News. MOSCOW (No. 1), 7.0—"La belle Hélène" (Offenbach) (contd. from 6.30). MUNICH, 7.0—The Call of Youth. 7.5—Station Orchestra. Conductor: List. Olga Maria Wisnüller (Soprano) and Joseph Wurmdobler (Oboc). Suite for Orchestra (Karl Blessinger). Soprano and Orchestra: A Japanese Spring (Würz). Oboe and Orchestra: Rattenfängers Abschied (Gustav Heuer). The Composer conducting. OSLO, 7.0—Announcements. 7.30—Talk. PARIS (Eiffel Tower), 7.0—News. 7.15—Weather. 7.25—Racing Results. 7.30—Talk. PARIS (Poste Parisien), 7.0—Talk. 7.4—Sports; News. 7.20—Announcements. 7.23—Weekly Review. 7.30—"Woman"—Concert on Records. 7.45—Film Review. 7.50—"Birds"—Records. PARIS (PTT), 7.45—Legal Review. 7.53—Talk: Dahlias. PARIS (Radio-Paris), 7.0—Talk by M. Maurice Mars: The Pleasures of a Parisian. 7.10—Science Talk by M. Georges Colomb. 7.30—Weather. 7.35—Review of the Latin Press. 7.40—Talk by M. Léon Pierre-Quint. PRAGUE, 7.0—News; Economic and Political Review. 7.35—Military Band. Conductor: Pešta. FIS March (Smetana). Selection, "Carmen" (Bizet). Sousedská (Pešta). Polka (Fibich). Polka (Kovarovic). Slovak Song (Händl). Die Schmiede im Walde (Michaelis). March (Fascer). RADIO-NORMANDIE, 7.0—Request Music. Tyrolienne (Blangy). Aria, "Romeo and Juliet" (Gounod). Hindu Song (Rinsky-Korsakov). Un domestique modèle (Bach-Laverne). Derrière l'quarant-tros (Bol). Blonde amie (Carcel). Séduction (Cazes). Serenata (Toselli). Selection, "White Horse Inn" (Stolz-Benatzky). Soir de Florepe (Raiter). Une page de la bataille de Verdun. Boulicot à l'école (Recorder). The Cuckoo (Jonasson). ROME, 7.0—Tourist Report and Announcements. 7.15—News in Foreign Languages. SOTTENS, 7.0—Talk (contd. from 6.55). 7.20—Jazz Records. 7.35—Wireless Notes. STOCKHOLM, 7.0—Variety. 7.15—News. 7.30—Talk: West Bothnian Dialects.

7.30—News. 7.45—Light Music. TURIN, 7.0—News in Foreign Languages. 7.15—To be announced. VIENNA, 7.0—News. 7.10—Local News. 7.20—Film Chat. 7.35—"Singing, Laughing, Dancing"—A Radio Poipourri (Hruby). The Vienna Symphony Orchestra, the Gustav Vogelhut Jazz Band; the Viennese Male Voice Choir; the Bohème Quartet; Maria Gerhart (Soprano); Ernst Schön (Tenor). Conductor: Holzner. WARSAW, 7.0—Song Records. 7.7—Programme Notes. 7.15—Letter Box. 7.25—Sports. 7.35—Debussy Preludes. Woytowicz (Pianoforte). Les pas sur la neige. Ce qu'a vu le vent d'Ouest. La sérénade-in-terrompue. La danse de Puck. 7.50—Topical Talk.

8 p.m.

ATHLONE, 8.0—Musical Comedy Music. 8.30—Variety. BARCELONA, 8.0—Records. 8.15—Announcements; Records. 8.45—Exchange. BELGRADE, 8.0—Emil Hajek (Pianoforte). 8.45—The Band of the Royal Guards. Conductor: Dragutin Pokorni. BERLIN, 8.0—News. 8.10—"The Taming of the Shrew." BEROMÜNSTER, 8.0—Basic Zither Quartet. 8.15—"Laughter and Gaiety"—A Sequence by Charlotte an der Heiden (Soprano) and Dr. Erich Fischer (Pianoforte). BORDEAUX-LAFAYETTE, 8.0—English. 8.15—News; Exchange; Markets; Weather. 8.30—Variety. BRATISLAVA, 8.0—Sketch (Sándor). 8.15—Military Band. Conductor: Langer. Norbert Kubát (Violin). Overture, "Libussa" (Smetana). Violin Concerto in D (Beethoven). BRESLAU, 8.0—News. 8.10—Finals of the Male Voice Choirs Week, from the Konzerthaus. BRNO, 8.0—Talk. 8.15—Girls' Choir. 8.30—"Fight against Death"—Dramatic Ballad (Kozik). Music by Tausky. BRUSSELS (No. 1), 8.0—Concert from the Exhibition. Conductor: Walpot. Jane Smile (Songs and Recitations). Sambre-et-Meuse (Planquette). Waltz, Wiener Blut (Strauss). Overture, "Si j'étais roi" (Adam). Dandy-ballade (Caludi). Interlude by Jane Smile. Three Saxophones and Orchestra: Burlesque (Lehár). Selection, "Paganini" (Lehár). BRUSSELS (No. 2), 8.0—Symphony Orchestra. Conductor: André Spatz (Violin). Festklänge (Liszt). Violin Concerto in D (Paganini). Ballet Music, "Les Troyens à Carthage" (Berlioz). Valse viennoise (Lonque). 8.45—Records: "La Traviata" (Verdi). BUCHAREST, 8.0—Announcements. 8.5—Dance Music.

8.0 P.M. KALUNDBORG

GANNE ★ WALDTEUFEL

Radio Orchestra, Conductor—Emil Reesen

GANNE WALDTEUFEL

- Oriental Overture, "The Mountebanks"
- Gavotte tendre
- Waltz, "Blondine"
- Waltz, "Summer Evening"
- Midnight Polka
- Bella Mazurka,
- Prestissimo Galop

8 p.m. (contd.)

BUDAPEST (No. 1), 8.9—Operetta Music (contd. from 7.45).
EUDAPEST (No. 2), 8.0—Talk (contd. from 7.50). 8.15—News. 8.40—Orchestra from the Café Ostend.
COLOGNE, 8.0—News. 8.10—See Leipzig.
DEUTSCHLANDSENDER, 8.0—Motto News. 8.10—"Dance of Spring"—Programme by the Augmented Station Orchestra and the Adalbert Lutzer Band. Conductor: Stech. Herbert Groh (Tenor) with Anni Frind, Jupp Hussels and Kurt Engel (Xylophone).
FRANKFURT, 8.0—News: Topical Talk. 8.15—Variety from Worms.
HAMBURG, 8.0—News. 8.10—"Spring Settlement 1"—Variety Programme by the Station Choir. Conductor: Gregor. The Station Dance Band—Conductor: Gebhardt, and Soloists.
HILVERSUM, 8.0—Folklore Programme. 8.40—S.O.S. Messages. 8.43—News. 8.50—Records.
HUIZEN, 8.0—Talk. 8.15—Records. 8.40—News. 8.45—K.R.O. Boys. Conductor: Lustenhouwer.
KALUNDBORG, 8.0—Ganne and Waldeufel.
KÖNIGSBERG, 8.0—News. 8.10—See Leipzig.
LAHTI, 8.0—Popular Programme. 8.45—News.
LEIPZIG, 8.0—News. 8.10—"City of Song"—A Viennese Potpourri arranged and conducted by Eisele. Leipzig Symphony Orchestra; Dietrich Schrammel Quartet; Rosl Seegers (Soprano), Dr. Kroeigler and Simmlinger (Tenor), and Kollmaneck (Zither).
LYONS (La Doua), 8.0—News: Tourist Notes. 8.20—Sports Notes. 8.30—"Hans the Flute-Player"—Operetta (Ganne).
MADRID (EAJ7), 8.0—Madrid Philharmonic Orchestra (contd. from 7.40).
MONTE CENERI, 8.0—"Polenta"—Folk Music. Waltz, Granoturco (Rinaldi). Talk. Choir: Polenta; polenta. "Luca indiretta." Dialogue between a Modern Woman and an old Grandfather. Canzone della polenta (Denza). Talk. Song, Canzone della polenta (Denza), 8.45—"Something for Everybody"—Radio Orchestra. Conductor: Leopoldo Casella. Overture, "Ali Baba" (Cherubini). Intermezzo, "William Ratcliff" (Mascagni). Valse artistique (Petillo). Potpourri of Viennese Operetta Music (Robrecht). Canzone partenopea (Dameri). Selection, "Tannhäuser" (Wagner).
MOSCOW (No. 1), 8.0—"La belle Hélène" (Offenbach) (contd. from 6.30).
MUNICH, 8.10—Humorous Variety Programme.
OSLO, 8.0—Station Orchestra. Conductor: Kramm. Overture, "The Bronze Horse" (Auber). Liszt Potpourri (Morena). Northern Night (Vessey). Mazurka (Glazunov). Serenade (Elgar). Tyrolean Dance (Niemann). Selection, "The Count of Luxembourg" (Lelür). March Potpourri (Recktenwald).
PARIS (Eiffel Tower), 8.0—Topical Talks. 8.30—"La déesse aveugle"—Play, after Aristophanes (Delamare).
PARIS (Poste Parisien), 8.0—Interlude. 8.15—Orchestra. Con-

ductor: Balay. Pepita (Bachholz). Waltz Potpourri (Salabert). Captain (Marks). Padilla Potpourri. Selection, "Faut simplifier" (Yvain). 8.45—Interlude.
PARIS (PTT), 8.0—Records. 8.30—Symphony Concert by the National Orchestra. Conductor: Desormière. Jane Roland (Songs) and Robert Soetens (Violin). Overture, "The Italian Girl in Algiers" (Rossini). Invitation to the Waltz (Weber-Berlioz). Suite No. 1, "L'Arlésienne" (Bizet). Arietta, "Rose et Colas" (Monsigny). Song, "Les voitures versées" (Boieldieu). Carnaval (Guiraud). Ballet, "Izeyl" (Pierné). Violin Concerto. Eight Russian Folk Songs (Liadov). Dances, "Marouf" (Rabaud).
PARIS (Radio-Paris), 8.0—"Joan of Arc"—Commemorative Programme. Reading (de Michelet). "The Trial of Jeanne d'Arc"—based on Historical Documents by M. Roger Monteaux. Choirs: (a) Beati Omnes (Lalande), (b) Cruci-

"Madame Bovary" (Flaubert). 8.50—Radio Orchestra. Vagabond's Song (de Micheli). Intermezzo, Nées d'Or (Brusso). Selection, "Der Bettelstudent" (Müllöcker). Italian Serenade (Valente). Ballet, "Ritter Pasman" (Strauss). Melody (Kockert). Les Airs de Mistinguett (Salabert).
STOCKHOLM, 8.0—Cabaret.
STRASBOURG, 8.0—News (German). 8.30—"La Basoche"—Comic Opera in Three Acts (Messager). Conductor: De Villers.
STUTTIGART, 8.0—Dance Music (contd. from 7.0). 8.10—See Berlin (Funkstunde).
TOULOUSE (Radio-Toulouse), 8.0—Light Music (contd. from 7.45). 8.15—Sound-Film Music.
TURIN, 8.0—News (English). 8.10—To be announced. 8.30—News. 8.40—Sports Report. 8.50—Variety.
WARSAW, 8.0—Favourite Songs and Dances. Light Orchestra. Conductor: Gorzvnski. 8.45—News. 8.55—Talk: Work in Poland.

Saens). Spring Suite (Wesly). 9.55—Swaab in his Repertory.
HUIZEN, 9.0—K.R.O. Boys (contd. from 8.45). In the Interval at 9.10: Recitation. 9.40—Talk "by H. Erenbeemt. 9.50—Miller (Marimba and Xylophone) and Eddy Nieuwenhuis (Pianoforte). When the Circus comes to Town (de Rance). The Squirrel Dance (Elliott Smith). Temptation Rag (Lodge).
JUAN-LES-PINS (Radio Côte d'Azur), 9.0—News; Weather. 9.15—Excerpt, "Cavalleria Rusticana" Opera (Mascagni).
KALUNDBORG, 9.0—"The Lime Tree" Knudsen (Songs). Introductory Talk by Knud Bokkenheuser. Der staar et Trae i Regensens Gaard. Her under Nathimlens rolige Skygge (Krøyer). Tobakkens Pris (Weyse). Regensen. Ensom og mork og snaever er vor Bolig (Weyse). Sangen i Regensgaarden (Weyse). Lyse Lind i Blade-Vrimmel (Nordreak). Om Lindens Tilblivelse. Velkomst til den unge Regensianer. Der kogler om Gaarden et daerende Spind (Miskow). 9.50—Violin Sonatas. Rafn (Violin). Jensen (Pianoforte). Sonata in A (Handel). Sonata in E minor (Mozart).
KÖNIGSBERG, 9.0—See 8.10 Leipzig.
LAHTI, 9.0—News in Swedish.
LEIPZIG, 9.0—"City of Song"—A Viennese Potpourri (contd. from 8.10).
LYONS (La Doua), 9.0—"Hans the Flute-Player" (Ganne) (contd. from 8.30).
MADRID (EAJ7), 9.0—Madrid Philharmonic Orchestra (contd. from 7.40).
MONTE CENERI, 9.0—"Something for Everybody"—Orchestra (contd. from 8.45). 9.45—Review for Swiss Nationals Abroad.
MORAVSKÁ-OSTRAVA, 9.15—Station Orchestra. Conductor: Musil. Malina (Songs) and Bláha (Accordion).
MOSCOW (No. 1) 9.0—German Programme. Relay from the Opera: Weekly Review; Letter-box. 9.55—Chimes.
MUNICH, 9.0—Humorous Variety Programme (contd. from 8.10).
OSLO, 9.0—Orchestra (contd. from 8.0). 9.10—Recitations. 9.35—News.
PARIS (Eiffel Tower), 9.0—"La déesse aveugle"—Play after Aristophanes (Delamare) (contd. from 8.30).
PARIS (Poste Parisien), 9.0—Station Dance Band.
PARIS (PTT), 9.0—Symphony Concert (contd. from 8.30).
PARIS (Radio-Paris), 9.0—"Joan of Arc"—Commemorative Programme (contd. from 8.0). In the Interval at 9.15: News; Review by Bonnard.
PRAGUE, 9.0—Antonie Polivková (Violin). Zapateado (Saraste). Polonaise and Romance (Laub). Air (Bach). Fantasic on Themes from "A Life for the Czar" (Glinka-Ondříček). 9.15—Yugoslav Choral Music. Biser (Parec). Rhapsody (Odak). Love Songs (Dobronić). 9.45—Records.
RADIO-NORMANDIE, 9.0—Operetta Music (contd. from 8.0).
REYKJAVIK, 9.0—For Children. 9.20—Music. 9.50—Announcements.
ROME, 9.0—Variety.
SOTTENS, 9.0—Orchestra (contd. from 8.50). In the Interval at 9.20: News.
STOCKHOLM, 9.0—Old Dances. 9.45—News.
STRASBOURG, 9.0—"La Basoche"—Comic Opera (Messager) (contd. from 8.30). In the Interval at 9.30: Sports Notes (French, German); News.
STUTTIGART, 9.0—See 8.10 Berlin.
TOULOUSE (Radio-Toulouse), 9.0—Concert Version, "Les noces de Jeannette" (Massé). 9.40—Viennese Orchestra. 9.45—"Old Songs"—Fantasy.
TURIN, 9.0—Variety.
VIENNA, 9.0—To be announced.
WARSAW, 9.0—Station Orchestra. Conductor: Fitelberg. Fedyczkowska (Soprano), Szelminska (Soprano) and Janowski (Tenor). Two Japanese Songs (Maklakiewicz). Baritone and Orchestra: Songs (Rudnicki): (a) Chant du soir. (b) Berceuse. Soprano: The Birds (Labunski). Francesca da Rimini (Tchaikovsky). Marche joyeuse (Chabrier).

Waltz, Palma de Mallorca (Yoshitomo). Polonaise in D minor (Schubert). 10.20—Demon Jazz Band.
BELGRADE, 10.0—Band of the Royal Guards (contd. from 8.45). 10.40—News.
BERLIN, 10.0—News. 10.30—"Happy Ending to the Weekend"—Small Station Orchestra. Conductor: Willy Steiner; the "Napoli" Mangoline Band. Conductor: Rosenthal. Lillie Claus (Soprano), Albert Wühist (Tenor) and Wilhelm Kleinath (Oboe).
BERMÜNSTER, 10.0—"The Film Industry" (contd. from 9.10).
BORDEAUX-LAFAYETTE, 10.0—Variety. 10.35—See Paris (Radio-Paris).
BRATISLAVA, 10.15—News and Sports Notes in Hungarian. 10.30—Station Orchestra. Conductor: Schimpl. Festive March (Makarius). Waltz (Fučík). Slovak Dance (Vacar). Polka (Flégl). Song Potpourri (Labsky). Slovak Dances (Felber). Song (Dusik). Mazurka (Mach). Polka (Penc). March, The Globetrotter (Leopold).
BRESLAU, 10.0—News. 10.30—Gluckauf Dance Band from Hindenburg.
BRUSSELS (No. 1), 10.0—News. 10.10—Concert from the Exhibition. BRUSSELS (No. 2), 10.0—News. 10.10—Request Records.
BUCHAREST, 10.0—News. 10.15—Light Music.
BUDAPEST (No. 1), 10.0—Racz Cigány Band. 10.10—Weather. 10.45—Excerpt, "Pictures of Budapest"—Film.
BUDAPEST (No. 2), 10.0—Symphony in D minor (Bruckner) (contd. from 9.35).
COLOGNE, 10.0—News. 10.15—Programme for Old Soldiers. 10.30—See Leipzig.
DEUTSCHLANDSENDER, 10.0—News. 10.45—Weather.
FRANKFURT, 10.0—News. 10.15—Local News; Sports Notes. 10.30—Variety from Worms (contd. from 8.15).
HAMBURG, 10.0—News. 10.25—Musical Interlude.
HILVERSUM, 10.0—Swaab in his Repertory. 10.10—A Potpourri (de Groot), by the V.A.R.A. Orchestra. Conductor: de Groot. 10.40—News. 10.55—V.A.R.A. Orchestra. Conductor: de Groot. The Juggler (Rosey). Japanese

8.10 P.M. BERLIN

THE TAMING OF THE SHREW

OPERA IN FOUR ACTS (GOETZ)

Baptista - - - - - Burkhard Keiser
Katharina } his daughters - - - - - Carla Spetter
Bianca }
Hortensio } Bianca's suitors - - - - - Paul Rehkopf
Lucentio }
Petruchio - - - - - Michael Bohnen
Grumio, his servant - - - - - Carl Schlottmann
Conductor - - - - - Otto Frickhoffeier

9 p.m.

fixus (Lotti), (c) Tota Pulchra es (Noyon), (d) Le Bel Ange du Ciel, (e) La Nuit de Noël (Debouset). Harp: (a) Variations pastorales sur un vieux Noël (Marcel-Samuel-Rousseau), (b) Toccata (Loeillet), (c) Andante (Jean Schobert), (d) Chanson de Guillot Mortier (Perilhou), (e) Dans la forêt du charme et de l'enchantement (Grandjany). (f) Folk Song (Grandjany). Choirs: (a) Le Chant des Oiseaux (Janequin), (b) Allons, Gay, Bergères (Costeley), (c) Juin (de la Preste), (d) Le Corbeau et le Renard (Noyon). Chanson du Meunier (Pierné). In the Interval at 8.30: Press Review.
PRAGUE, 8.0—Talk: Mother's Day. 8.10—"To my Mother"—Song Cycles from Neuda Poems (Otakar Zich) by Jan Konstantin and the Station Orchestra. Conductor: Jeremias. 8.30—See Brno.
RADIO-NORMANDIE, 8.0—Operetta Music. Selection, "Les Cloches de Corneville" (Planquette) and "A Waltz Dream" (Strauss).
ROME, 8.0—News (English). 8.10—to be announced. 8.30—News. 8.40—Sports Report. 8.50—Variety.
SOTTENS, 8.0—Weekly Financial Review. 8.15—Literary Talk:

ATHLONE, 9.0—Variety.
BARCELONA, 9.0—Sports Notes: Records. 9.30—Press Review. 9.45—Announcements. 9.55—Exchange.
BELGRADE, 9.0—Band of the Royal Guards (contd. from 8.45). In the Interval at 9.20: Talk.
BERLIN, 9.0—"The Taming of the Shrew"—Opera (Goetz) (contd. from 8.10).
BERMÜNSTER, 9.0—News. 9.10—"The Film Industry"—A Sequence with Music; followed by Dance Records.
BORDEAUX-LAFAYETTE, 9.0—Variety.
BRATISLAVA, 9.0—Military Band (contd. from 8.15).
BRESLAU, 9.0—Part Relay of the Wireless Announcers' Competition from the Restaurant "zur Erholung."
BRNO, 9.0—Sonata (Rejcha) by Haslik (Flute) and Pisk (Pianoforte).
BRUSSELS (No. 1), 9.0—Report from the Exhibition: Old Brussels—The Duke of Lorraine's Hunting Procession. 9.20—Concert from the Exhibition. Conductor: Walpot. Piet Bemers (Saxophone). Jane Smile (Songs), and René Durand (Refrains). The Match Parade (Wehle). Saxophone: Waltz, Vanity (Wiedoeft). Songs, Waltz, Dolores (Waldeufel). Padilla Potpourri (Salabert).
BRUSSELS (No. 2), 9.0—Symphony Orchestra. Conductor: André. Overture on the "Wilhelmus" (van Hoof). Romance for Violin (Lunssens). Ballet Music, "Les sept péchés capitaux" (Candaël). Symphonic Excerpts, "Flibustier" (Cui).
BUCHAREST, 9.0—Dance Music. 9.20—Letter-box. 9.40—News.
BUDAPEST (No. 1), 9.0—Operetta Music (contd. from 7.45). 9.15—News. 9.35—Ráfz Cigány Band.
BUDAPEST (No. 2), 9.0—Orchestra from the Café Ostende. 9.35—Symphony No. 3 in D minor (Bruckner). The Opera Orchestra. Conductor: Lajos Rajter.
COLOGNE, 9.0—See 8.10 Leipzig.
DEUTSCHLANDSENDER, 9.0—"Dance of Spring" (contd. from 8.10).
FRANKFURT, 9.0—Variety from Worms (contd. from 8.15).
HILVERSUM, 9.0—Records. 9.10—V.A.R.A. Orchestra. Conductor: de Groot. Overture, "The Merry Wives of Windsor" (Nicolai). Liebesliedwäzler (Strauss). Selection, "Mignon" (Thomas). Selection, "Samson and Delilah" (Saint-

10 p.m.

ATHLONE, 10.0—Variety. 10.30—News. 10.40—Old-Time Dances.
BARCELONA, 10.0—Chimes; Weather. 10.5—Radio Orchestra.



The doorway of Joan of Arc's house. The Radio-Paris programme at 8 p.m. is designed as homage to her.



Messenger, whose "La Basoche" comes from Strasbourg at 8.30 p.m.

Puppet Plays (Yoshitomo). Flirtation (Steck). In a Turkish Bazaar (Dreyer). Sailor's Song (Martell). Wedding Procession in Lilliput (Translatour). The Nigger's Dream (Myddleton). Eine Sängerfahrt nach Wien (Silving).
HUIZEN, 10.0—K.R.O. Boys. Conductor: Lustenhouwer. Was willst du bios in Spanien (Alex). Potpourri (Linden). Gipsy Airs (Espéjo). 10.20—Recitation. 10.30—Jack Miller (Marimba and Xylophone) and Eddy Nieuwenhuis (Pianoforte). Polly (Zamecnik). The Dancer of Seville (Grunow). Red Hearts (Simpson). 10.40—Request Records.
KALUNDBORG, 10.0—Violin Sonatas (contd. from 9.50). 10.15—News. 10.30—Cabaret (Records).
KÖNIGSBERG, 10.0—News. 10.20—Sports Talk. 10.30—See Leipzig.

SATURDAY May 11

10 p.m. (contd.)

LEIPZIG, 10.0—News. 10.30—Plietsch-Marko Dance Band from Dresden. Inge Vesten and Gerhard Sörup (Songs).
LYONS (La Doua), 10.0—"Hans the Flute-Player" (Ganne) (contd. from 8.30).
MADRID (EAJ7), 10.0—Mercedes Marino (Songs).
MONTE CENERI, 10.0-10.30—Dance Records.
MOSCOW (No. 1), 10.5—French Programme: Weekly Review; Sports Notes.
MUNICH, 10.0—News. 10.20—To be announced.
OSLO, 10.0—Topical Talk. 10.15—Old Dance Music. 10.45—Dance Records.
PARIS (Poste Parisien), 10.0—Station Dance Band. 10.30—Variety (Records).
PARIS (PTT), 10.0—"Favourites of 1900 to 1910"—the Robert Orchestra. March, Les Gamins de Paris (Berger). Waltz, Monte Cristo (Kotlar). Spanish March (Leduc). Waltz, Eternelle Ivresse (Ganne). La Dragonne (Filippucci). La lettre de Manon (Gillet). Serenade (Filippucci). La Berline (Paul). Frühlingsstimmen (Strauss). Polka (Fahrbach). Reviens (Christine). Spanish Serenade (Chaminade). L'Angelus de la mer (Goublier). March, Lilloise (Leduc). Valse bleue (Nargis). Intermezzo, "The Merry Widow" (Lehár). Parade of the Dwarfs (Razigade). Suite, Mascarade (Lagade). Rag-Time (Messier). Waltz, Nice en fête (Wohanka). March, (Berger). 10.30—News.
PARIS (Radio-Paris), 10.0—"Joan of Arc"—Commemorative Programme (contd. from 8.0). 10.30—Weather. 10.35—Dance Music.
PRAGUE, 10.0—News. 10.15—Records. 10.30—See Bratislava.
RADIO-NORMANDIE, 10.0—Concert. Un p'tit pompier (Falk). Bidass téséfiste (Griseul). Je respecte ma concierge (Benech). Arrouah

sidi! (Valsien). Libre de moi (Marbot). Ce n'est pas tout d'monter (Goupil). La plus bath des javes (Trémolo). Dans un bosquet de houx (Combe). Nana n'a pas d'ananas (Delly). La puce (Scott). Au cours des illettrés (Griseul). Les navels (Mortreuil). Elle pique à la mécanique (Berniaux). Nostalgie (Palex). Je suis né mou (Goupil). Le pochard (Poussigue). Je n'ai jamais eu peur (Ancelet).
REYKJAVIK, 10.0—News. 10.30—Reading.
ROME, 10.0—See Turin.
SOTTENS, 10.5—Dance Records.
STOCKHOLM, 10.0—Ender's Dance Band.
STRASBOURG, 10.0—"La Basoche"—Comic Opera (Messager) (contd. from 8.30). 10.30—Dance Music.
STUTTGART, 10.0—News; Sports Notes. 10.30—Chopin Studies by Joh. Strauss (Pianoforte). Twelve Preludes. Seven Etudes.
TOULOUSE (Radio-Toulouse), 10.0—"Old Songs" (contd. from 9.45). 10.20—Light Orchestra. 10.30—News. 10.45—Light Music.
TURIN, 10.0—

The Ninth Symphony (Beethoven)

VIENNA, 10.0—See Turin. 10.25—Dance Music.
WARSAW, 10.0—Announcements. 10.15—Talk: Authors and the Cinema. 10.30—Variety.

11 p.m.

BARCELONA, 11.0—News. 11.15—Turina Concert. Radio Orchestra. Juegos. Habanera. La oración del torero. Noche de estío en la terraza. Danza de las muñecas. Bajo los naranjos.
BELGRADE, 11.0—Music from the "Zanatski dom" Restaurant.
BERLIN, 11.0—"Happy Ending to the Week-end" (contd. from 10.30).
BRATISLAVA, 11.0-11.30—Orchestra (contd. from 10.30).
BRESLAU, 11.0—"Glückauf" Dance Band from Hindenburg.
BRUSSELS (No. 1), 11.0—Concert from the Exhibition (contd. from 10.10).
BRUSSELS (No. 2), 11.0—Concert from the Exhibition.
BUDAPEST (No. 1), 11.0—Film Excerpt (contd. from 10.45). 11.10—Records.

COLOGNE, 11.0—See 10.30 Leipzig.
DEUTSCHLANDSENDER, 11.0—See 10.30 Leipzig.
FRANKFURT, 11.0—Variety from Worms (contd. from 8.15).
HAMBURG, 11.0—Station Dance Band. Conductor: Bolt.
HILVERSUM, 11.0—Orchestra (contd. from 10.55). 11.40—Records.
HUIZEN, 11.0—Request Records. 11.10—News; Request Records. 11.40—K.R.O. Boys. Chinesen singen Ha-cha-cha (Heymann-Tol). Selection, "Ihr grösster Erfolg"

of the Socialist Structure; Letter-box.
MUNICH, 11.0—Station Dance Band. Conductor: Ranfil.
OSLO, 11.0-11.30—Dance Records.
PARIS (Poste Parisien), 11.0—Opera Records. 11.15—Request. 11.45—Exchange.
PRAGUE, 11.0-11.30—See 10.30 Bratislava.
RADIO-NORMANDIE, 11.0—Records. 11.30—Concert.
REYKJAVIK, 11.0—Station Trio; Folk Music on Records; Dance Music.

VIENNA, 11.0—Dance Music by the Schneider Jazz Band. Franz Schier (Songs). 11.35—Announcements. 11.50—Light Music from the Hotel Krantz-Ambassador.
WARSAW, 11.0—Weather. 11.5—Light Music and Dance Music.

12 midnight

BARCELONA, 12.0—Turina (contd. from 11.15). 12.15—Records.
BERLIN, 12.0—"Happy Ending to the Week-end" (contd. from 10.30).
BRESLAU, 12.0—Glückauf Dance Band from Hindenburg.
BUDAPEST (No. 1), 12.0—Records. 12.5—News.
DEUTSCHLANDSENDER, 12.0—See 10.30 Berlin.
FRANKFURT, 12.0—See Stuttgart.
HAMBURG, 12.0—Station Dance Band. Conductor: Bolt.
HILVERSUM, 12.0-12.40—Records.
HUIZEN, 12.0—K.R.O. Boys (contd. from 11.40). 12.10-12.40—Records.
KALUNDBORG, 12.0—Eiberg Dance Band.
MADRID (EAJ7), 12.0—Sextet. 12.15—Dance Music. 12.45—News.
RADIO-NORMANDIE, 12.0—Dance Music.
REYKJAVIK, 12.0—Station Trio; Folk Music on Records; Dance Music.
STUTTGART, 12.0—Concert. Station Orchestra. Conductor: Drost. Else Herold (Pianoforte). Overture, "Tannhäuser" (Wagner). Pianoforte Concerto in C Minor (Rachmaninov). Symphonic Poem, The Moldau (Smetana). The Pathetic Symphony in B minor (Tchaikovsky).
TOULOUSE (Radio-Toulouse), 12.0—"Au caveau de minuit"—Fantasy. 12.15—News. 12.20—Military Band.
VIENNA, 12.0—Light Music from the Hotel Krantz-Ambassador.

1 a.m. (Sunday)

BARCELONA, 1.0—News.
FRANKFURT, 1.0—See 12.0 Stuttgart.
RADIO-NORMANDIE, 1.0—News. 1.10—Dance Music.
REYKJAVIK, 1.0—Dance Music.
STUTTGART, 1.0—Concert (contd. from 12.0).

10.0 P.M. TURIN
NINTH SYMPHONY
BEETHOVEN

Elisabeth Schumann—Enid Szantho—Andreas von Roesler—Richard Mayr—The Vienna Opera Chorus—The Vienna Philharmonic, Conductor, Weingartner, relayed from the

FLORENCE FESTIVAL

(Grothe). Wir wandern um die Welt (Dostal). When I grow too old to dream (Romberg). The Night is Young (Romberg). Serenade (Pierné). The Isle of Capri (Grosz). Fensterpromenade (Mohr).
KALUNDBORG, 11.0—Eiberg Dance Band.
KÖNIGSBERG, 11.0—See 10.30 Leipzig.
LEIPZIG, 11.0—Dance Band (contd. from 10.30).
MADRID (EAJ7), 11.0—Chimes. 11.5—News; Sextet.
MOSCOW (No. 1), 11.5—Swedish Programme: Talk: The History

ROME, 11.0—News.
SOTTENS, 11.0-11.30—Dance Records.
STRASBOURG, 11.0—Dance Music.
STUTTGART, 11.0—See 10.30 Leipzig.
TOULOUSE (Radio-Toulouse), 11.0—Request Music. 11.15—Hawaiian Guitar. 11.30—Opera Music. Excerpts, "Carmen" (Bizet), "Werther" (Massenet), "Manon" (Massenet), "I Pagliacci" (Leoncavallo). 11.45—Argentine Tangos.
TURIN, 11.0—News. 11.10—News in Spanish.

A GOOD START TO EACH DAY



A comfortable shave means a good start to the day. If you find shaving a bore in the morning, give Parke-Davis Shaving Cream a trial. It really does soften the beard quickly and effectively, and yet protects the skin from irritation. The liberal seven-shave tube which we offer you free will prove it. Use the coupon and confirm our claims. Large tube 1/6. From all Chemists.



PARKE-DAVIS Shaving Cream

Made by the Makers of Euthymol Tooth Paste

EUTHYMOL (137/37) 50 Beak St., London, W.1
 Please send FREE sample tube Shaving Cream

Name.....
 Address.....

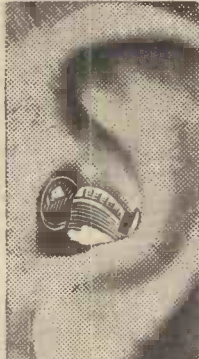
(Use block letters please)

WORLD-WIDE SUCCESS
 in relieving
DEAFNESS
THE VIBRAPHONE

The Vibraphone is convincing all nations that it is the best-by-test of all appliances for the relief of Deafness. Quite safe, non-electrical, so tiny as to be almost invisible. No batteries, wires or any other attachments. Used by Barristers and Doctors.

Write, phone, or call for Booklet and details of TRIAL OFFER.

CONSULTATIONS FREE: 9 TILL 6
VIBRAPHONE CO., 23, TRIUMPH HOUSE,
 189, Regent Street, London, W.1.
 Regent 5630.



30 DAYS' TRIAL.
 Make use of this offer NOW and give the Vibraphone every chance of HELPING YOU.
ASK ABOUT IT

MAKE YOUR RECEIVER ALL WAVE

ENJOY SHORT-WAVE RECEPTION BY FITTING THE UNIT RADIO S.W. CONVERTER-ADAPTOR

For use with A.C., BATTERY, or D.C. receivers. No extra batteries required. Range 13-60 metres. Complete in walnut cabinet as illustrated.



Cash or C.O.D.

47/-

With switch for instantaneous change-over from short to ordinary reception,
50/-

Send also for details of "Heptode" converter.

UNIT RADIO, 347, CITY RD., CLERKENWELL 5340.

YOUR AERIAL IN THE SAME ROOM AS YOUR SET-YET INVISIBLE TO ALL

The best and cheapest aerial. Put up in a jiffy. Just unroll the tape and press it against the wall-picture rail, wainscoting or anywhere—it sticks instantly. Gives wonderful results due to its large surface conductivity.

P/X INVISIBLE AERIAL
 AS GOOD AS AN OUTSIDE AERIAL

2/- Double Length 3/6



NO POLES! NO INSULATOR! No tools or fitting required—only neat buff tape that cannot be seen

From all dealers or of PIX

118, Southwark St., S.E.1.

IDEAL FOR USE IN FLATS

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 for frequency (kc/s), wavelength (m), power (kW), station name, and dial reading. It lists various international radio stations such as Kaunas, Helsinki, London, and many others, organized by frequency bands.

ALL ADVERTISEMENTS FOR "WORLD-RADIO" should be addressed to the Advertisement Manager B.B.C. Broadcasting House Portland Place, W.1 - Telephone: Webbeck 4404.

Today—

AFTER 25 YEARS OF PROGRESS

COSSOR

IS THE LARGEST
SELF-CONTAINED RADIO
MANUFACTURING ORGANISATION
IN THE BRITISH EMPIRE

Over twenty-five years ago Cossor were making electric lamps, X-ray and other scientific apparatus—products calling for wide technical knowledge and most accurate workmanship.

What a background for the manufacture of Radio!—the whole organisation brought up and trained in an atmosphere of precision—laboratory accuracy. No wonder Cossor Radio has gone ahead.

From small beginnings the Cossor factory has grown and grown until, to-day, it is the largest self-contained Radio manufacturing plant in the British Empire—making valves, loudspeakers, cabinets—everything that goes into a wireless set. Only because of these unparalleled manufacturing facilities can Cossor produce such outstanding Receivers at prices so strictly moderate.

COSSOR A.C. Mains SUPERHET Model 364

The utmost selectivity, simplicity in use and complete reliability are the main features of this new Cossor instrument which, in addition to every worth-while refinement, incorporates the new "Thermometer" Tuning. For A.C. Mains only, 200/250 volts (adjustable) 40/100 cycles. **11 GNS.**

Hire Purchase Terms: 20/- deposit and 12 monthly payments of 20/-.

A. C. Cossor Ltd., Highbury Grove, London, N.5, and at Birmingham, Bristol, Cardiff, Glasgow, Leeds, Liverpool, Manchester, Newcastle, Sheffield, Belfast and Dublin.



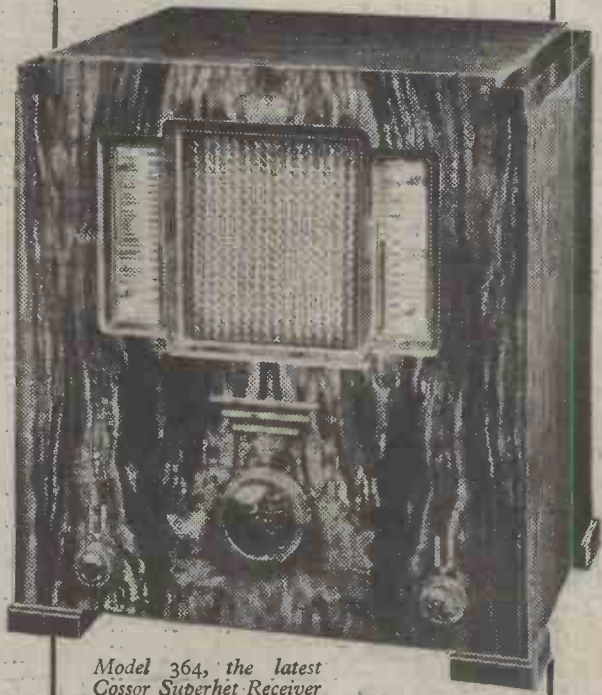
An early Cossor Valve



A 1935 Cossor Valve



The first Cossor Melody Maker



Model 364, the latest Cossor Superhet Receiver

CA 6877