

RR-026

THE

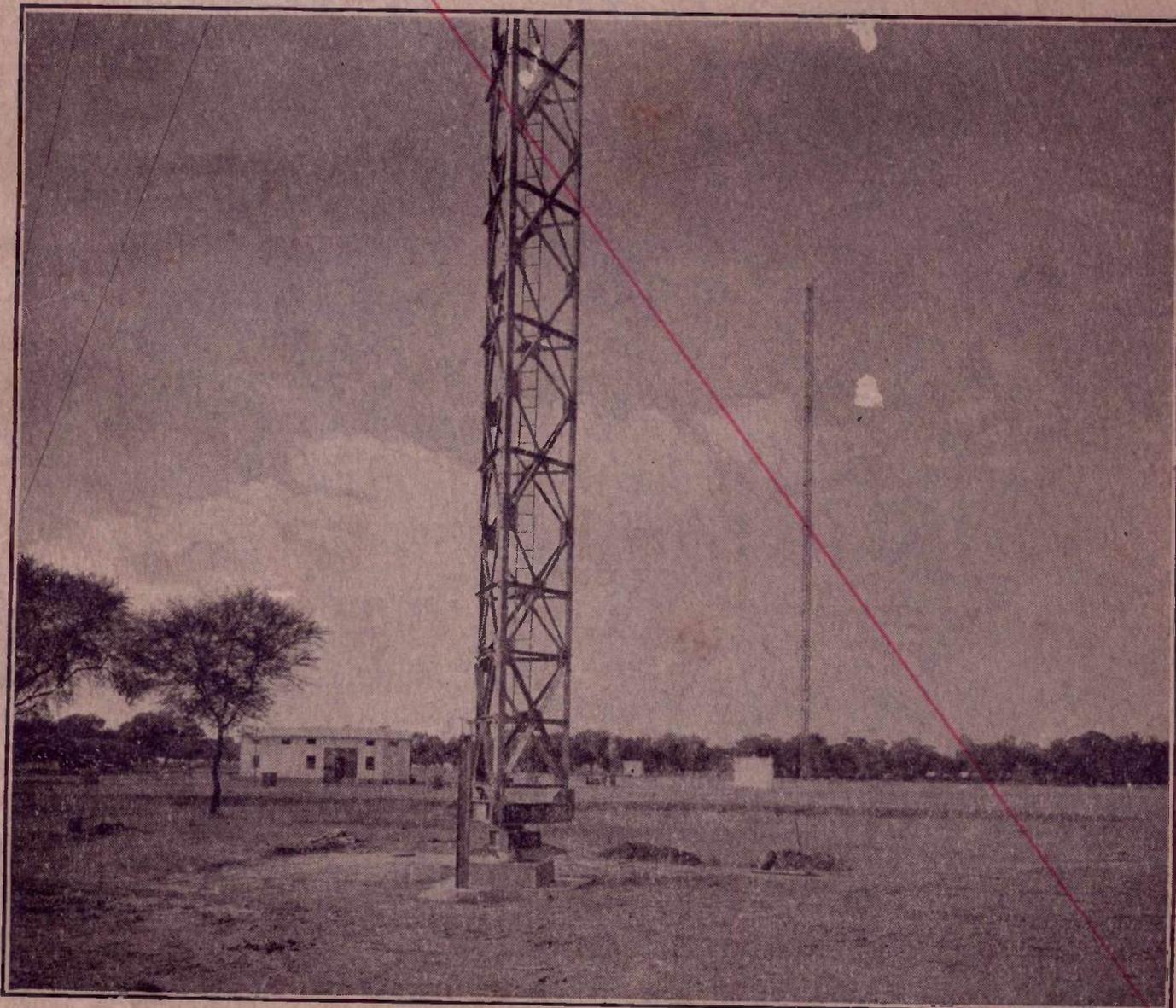
# INDIAN LISTENER



OFFICE COPY

THE INDIAN STATE BROADCASTING SERVICE.

Vol. I. No. 1. 22nd DECEMBER 1935. THREE ANNAS.



GENERAL VIEW OF THE DELHI STATION.

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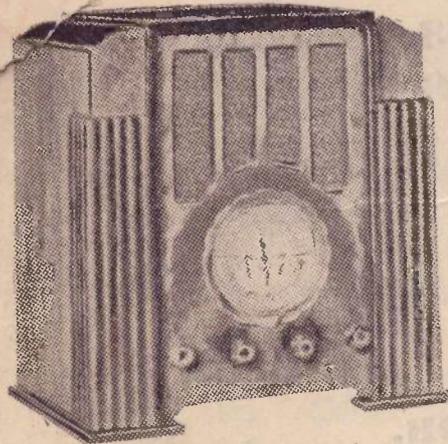
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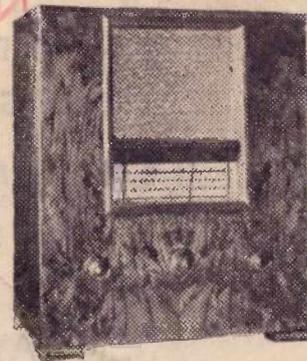
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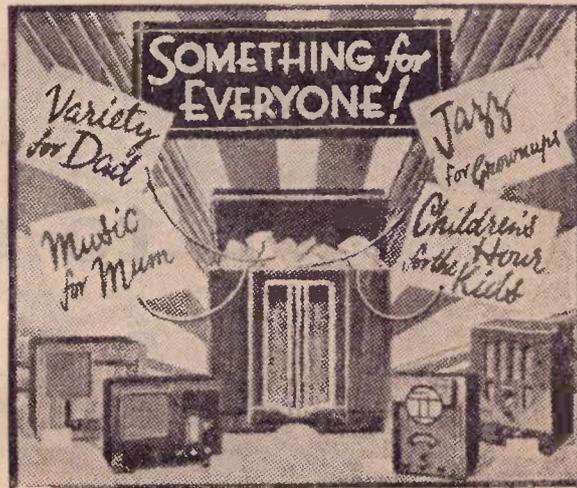
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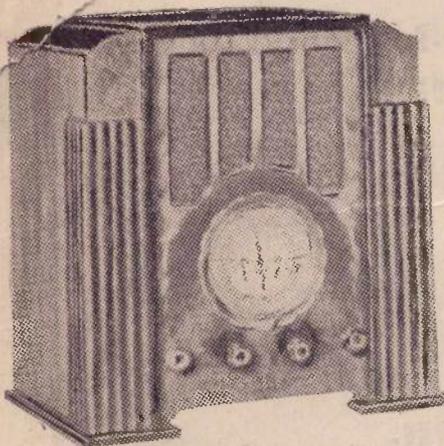
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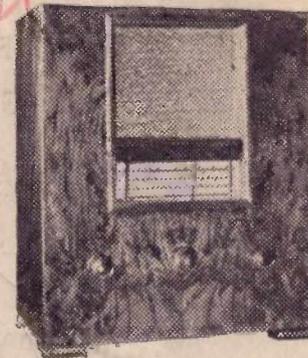
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623B	Battery	6	16 - 555 "	350
643AB	"	8	16-2000 "	500
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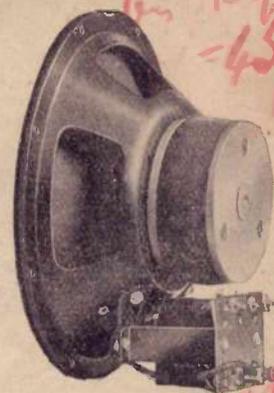
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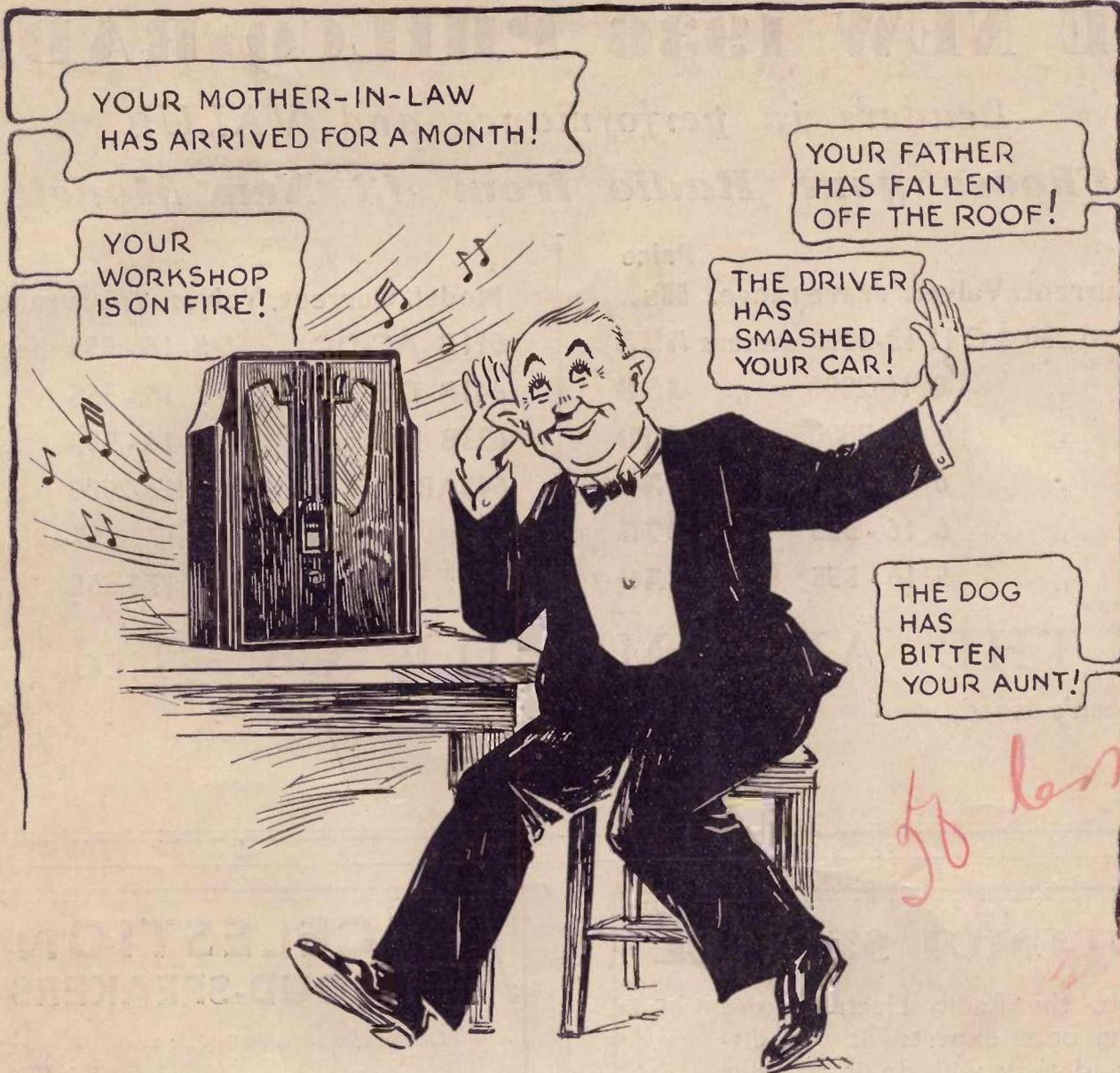
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(INCORPORATING "THE INDIAN RADIO TIMES")

OFFICIAL ORGAN OF INDIAN STATE BROADCASTING SERVICE

Vol. I.

DECEMBER 22, 1935.

No. I.

## CONTENTS

	PAGE		PAGE
The Delhi Transmitter .. .. .	9	Reception Reports .. .. .	20
Broadcasting and the League of Nations .. .. .	13	The B.B.C. Empire Broadcasting Programme Notes ..	20
What Birth Control can do for India .. .. .	14	Bombay, Calcutta, Delhi, B.B.C. and German Pro-	
Short, Medium or Long? .. .. .	15	grammes .. .. .	24-60
The Distribution of Programmes .. .. .	16	Phohi-Programmes .. .. .	61
Notes and Comments .. .. .	17	B.B.C. Programme, Dec. 29th—31st .. .. .	63-65
Our Listeners .. .. .	19		

## THE DELHI TRANSMITTER

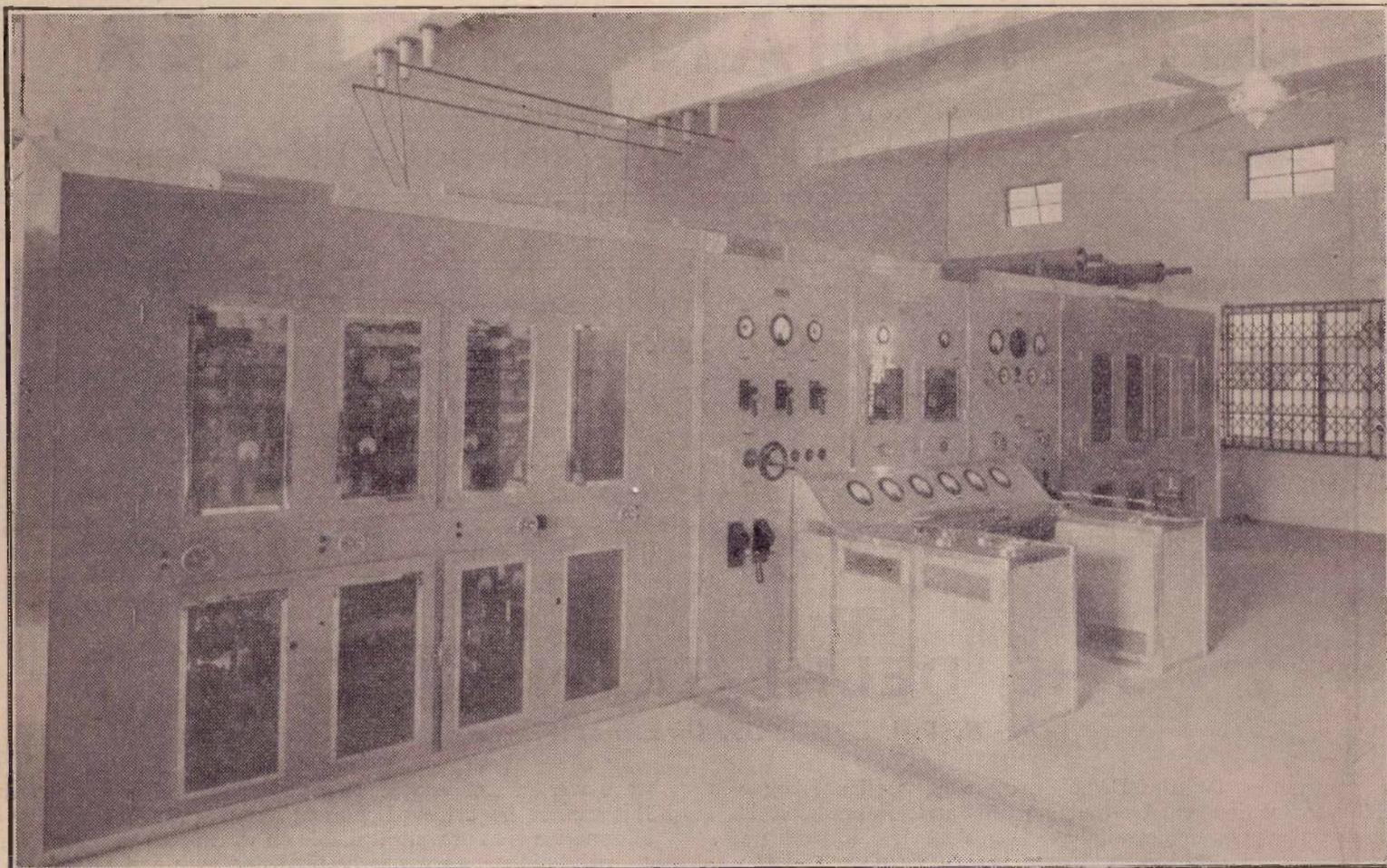
By P. J. EDMUNDS, *Director of Wireless.*

The transmitter for the Delhi Broadcasting station is now approaching completion and by the time this article appears it is hoped that regular programmes will have been started. Meanwhile a considerable amount of adjustment remains to be done and the final acceptance tests have not yet been started. It is not proposed now to give a detailed technical description of the station. It is better to keep that for some scientific gathering when detailed information of actual results will be available for discussion by engineers and scientists. Readers of the *Indian Listener* will however be interested to know something of the reasons on which selection between various alternatives was made and also what may be expected.

The transmitter is located about three miles due north of Delhi City and is rated to deliver 20 kw. of high frequency power to the aerial system on medium wavelengths, the precise frequency being 882 kc/s per second, *i.e.*, approximately 340.1 meters. The gross power, which amounts to approximately 120 kw., is taken from the 6,600 volt 50 cycle three-phase mains of the Delhi Electric Supply and Traction Company and is transformed to 400 volts before being used in the transmitter. A special valve drive is used for generation of the basic high frequency and modulation is effected in the final high power stage by the series method. This system of modulation has recently been developed by the Marconi Company and was adopted for the Droitwich transmitter of the British Broadcasting Corporation. It has interesting features for which space is not available here. The high frequency energy is supplied to the aerial by a transmission line and the aerial is of the quarter wavelength type supported on two masts 100 metres (328 feet) high. Almost every phrase in this invites question. Why Delhi in the first place and, if Delhi, why three miles away from the city? Why 20 kw. and not greater or less power? Why medium wave and not short wave? Why not crystal drive with its greater stability of frequency? All these points and many others were considered and the reasons for the arrangements adopted were briefly the following.

As regards the wavelength, each of the three alternatives, namely, long, medium and short, has its advantages. Short wavelengths have the quality of providing a programme of a certain standard over a very large area extending to thousands of miles with comparatively low power but in the present stage of development a comparatively expensive receiver is necessary and a high grade service free from fading and other irregularities cannot be guaranteed. Moreover there is much interference due to the long range of short waves and such a service is not suitable for the masses of India, who were the primary consideration. Long wavelengths are capable of giving a service free from fading and without the disadvantages of short

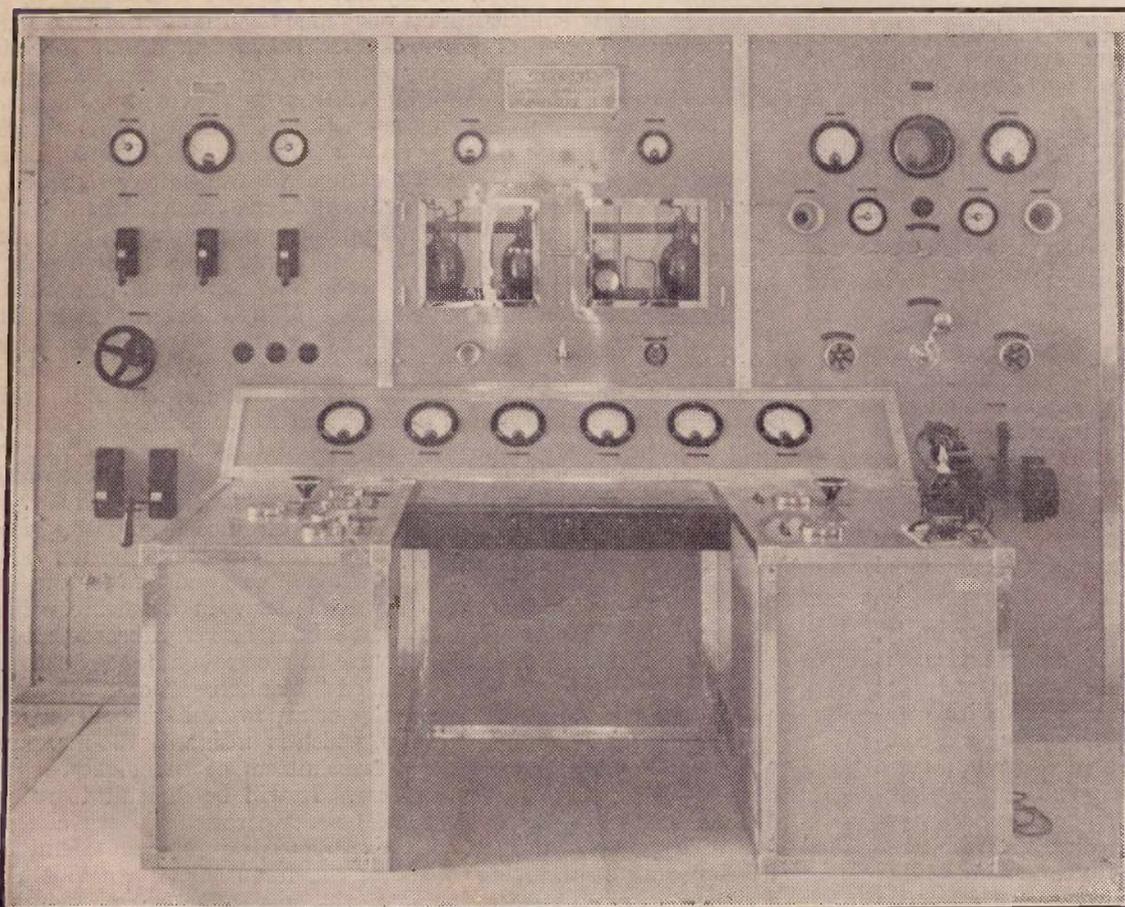
wave over an area very much greater than medium wavelengths. But this cannot be achieved without very high power and no definite information is at present available on which the transmission characteristics of long waves can be predicted with certainty under Indian conditions. Further, atmospherics are definitely known to be much more severe on long wavelengths than on medium. It was necessary to provide a reliable service using simple receivers to as large an area as possible with the funds available and, from the point of view of initial expenditure, a number of small transmitters had advantages. Heavy recurring expenditure however would have been necessary to maintain a number of programme services in different places, which must be largely independent owing to the absence of sufficient line telephone facilities in India suitable for relaying broadcast programmes. Taking initial and recurring expenditure together, a transmitter of the high-power class was indicated and this had the additional advantage of providing the means to investigate transmission characteristics in India, an investigation which is essential for drawing up a general scheme of Broadcasting for India as a whole. At the same time the transmitter must be of the highest standard in order that it will fit into such a scheme. The maximum initial expenditure contemplated at the time was about rupees three lakhs and 20 kw. to aerial was the maximum power which could be installed for an expenditure of this order. Actually the transmitting station will cost about rupees three and half lakhs when completed. This factor of cost largely decided the precise location. The neighbourhood of Delhi was indicated as the headquarters of the Government of India and the centre of the large population in northern India which was at that time not provided with a regular broadcasting service of a high standard. It was desired also to avoid delay in view of the rapid growth of interest which had recently occurred in India and the precise site chosen had the advantage of a reliable power supply and Government ownership of the land. A greater distance from Delhi would have involved large additional expenditure in the provision of an independent power supply, long telephone lines, quarters for the staff and, in addition, would have involved delay in acquiring private ground. The cost might easily have been nearer rupees six lakhs than three lakhs. There will of course be a certain amount of trouble in Delhi itself owing to what is called "blanketing" or "wipe-out." This is unavoidable in the proximity of a powerful transmitter, even at distances of ten or fifteen miles, which is ordinarily the maximum which is permissible except for transmitters of the highest power on account of increased expenditure. It will be difficult to receive distant stations unless there is a large separation in wavelengths and difficulty has already been experienced during the Delhi test transmissions in receiving Bombay, the frequency of which is only separated from that of Delhi by 27 kc/s. The reason why the



(Photo: Kinsey Bros., New Delhi.)

**DELHI BROADCASTING TRANSMITTER: GENERAL VIEW.**

On the left is the main voice amplifier unit with the low power stage below and the high power stage with water-cooled valves above. In the centre is the control position with the various meters and switches. On the right is the final high-frequency high-power amplifier with the series modulation unit below. The cylinders above the panel are harmonic wave traps for absorbing harmonics.



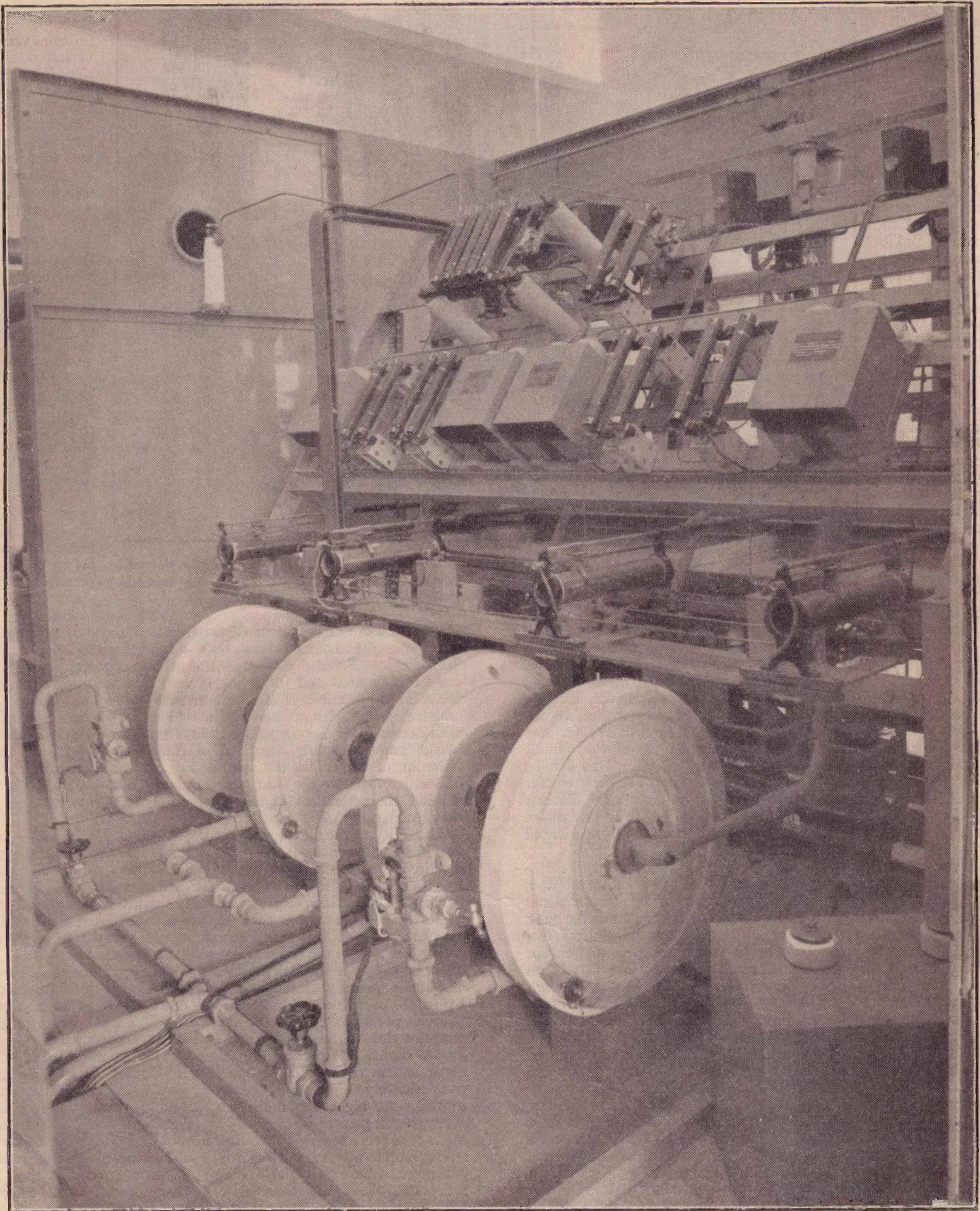
(See photo on cover page.)

General view of the station building and in the centre in the line of the masts is the feeder house, from which three vertical wires constituting the aerial are taken to the centre point of the triatic joining the tops of the masts. The masts are 100 metres, *i.e.*, approximately 328 ft. high and are of the stayed lattice type insulated from the ground. Immediately above the foundation can be seen the three porcelain insulators and above them is the steel plate on which the whole weight of the mast, amounting to some 75 tons, is pivoted in order that all strain will be avoided in the event of the mast being slightly out of the vertical.

**CLOSER VIEW OF THE CONTROL POSITION.**

Starting and closing down is effected by push buttons on the left and right pedestals with indicator lamps showing the various operations.

(Photo: Kinsey Bros., New Delhi.)



(Photo: Kinsey Bros., New Delhi)

**VIEW OF THE BACK OF THE VOICE AMPLIFIER UNIT**

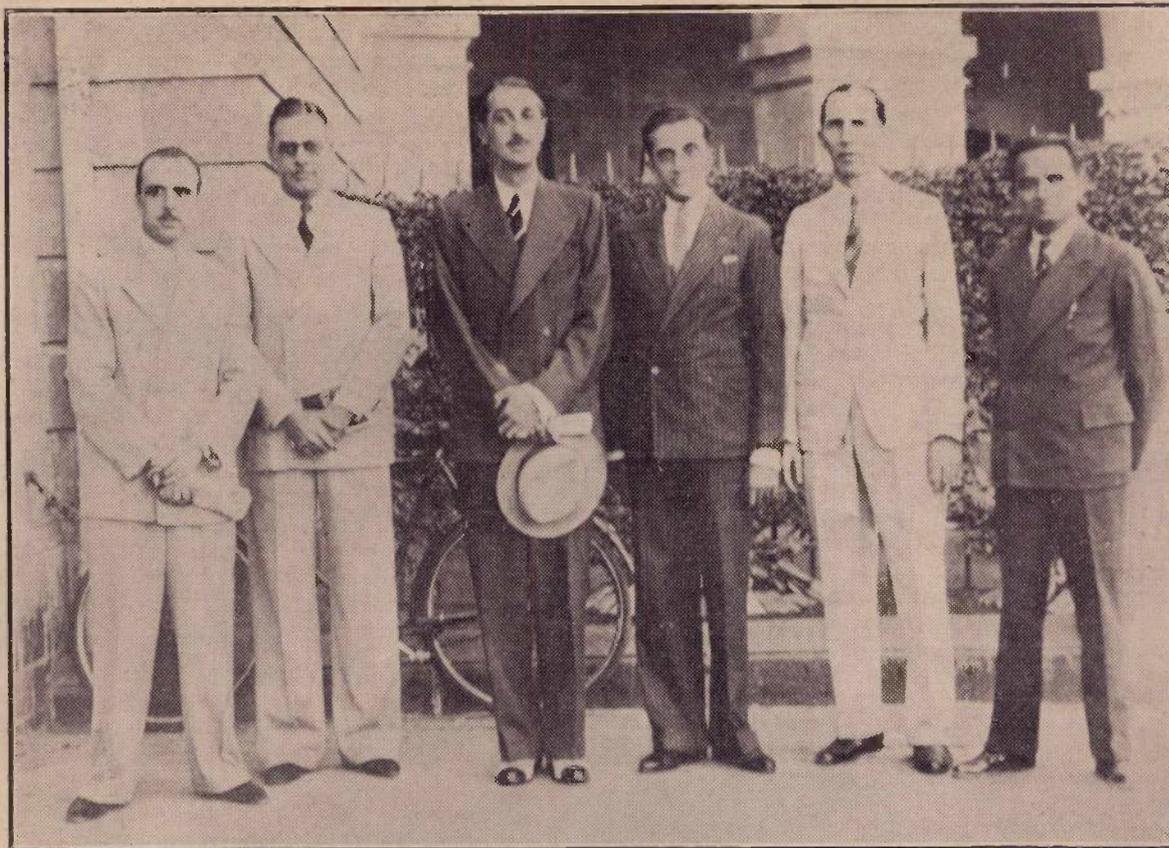
Showing in the foreground the water circulation arrangements for cooling the anodes of the main valves. The four white discs in the foreground are of particular interest. It is well known that the water jacket being at high potential, a long column of water in an insulated container is necessary to provide insulation and rubber pipes are ordinarily used for this purpose. It was considered, however, that no rubber should be used in the Delhi station on account of tropical conditions and prolonged experimental work was carried out by the Marconi Company in order to design these containers. They are made of the highest grade porcelain and contain hollow channels providing the necessary effective length of water column. Delhi is believed to be the first station to utilise this particular device though it is likely to be widely used in future owing to its advantages.

wavelength of Delhi was not fixed so as to give a greater separation is that 340 metres was considered to be about the best in the medium wave band for Indian conditions. At that time the Delhi station was the only new high-power station contemplated and it was naturally desirable to give that transmitter the best wavelength in preference to the much smaller stations at Bombay and Calcutta. There will however be no difficulty in changing the wavelength of the Delhi station, if it is found desirable, or alternatively in providing other wavelengths for Bombay and Calcutta. Action on these lines will depend on further experience and, in the meantime, a

receiver with high selectivity will be essential for receiving distant stations on neighbouring wavelengths when near to Delhi. In the immediate neighbourhood of Delhi the field strength will be extremely high, for example, of the order of a quarter volt per metre at three miles, and the excessive voltages induced in the aerial will overload the valves in the early stages. This not only renders ineffective the tuning devices, which in the ordinary course give selectivity, but may also cause distortion, which cannot be avoided by use of the volume control as it is usually applied only to the later stages. This can be largely corrected by reducing the size of the aerial and inserting rejector circuits but it is, in addition, necessary to ensure extremely efficient screening as otherwise the excessive field strength will induce direct into the later stages. If serious trouble of this nature is experienced steps will be taken to advise the public.

The valve drive which has been installed is guaranteed to maintain frequency stability of one part in twenty-five thousand and, although this conforms to the limits laid down by International agreement, it is of course far short of the stability attainable with a drive of the crystal type. A crystal has however the great disadvantage that the frequency cannot be varied continuously except within very small limits and experience has shown that this is an extremely important factor under Indian conditions. Although medium wavelengths are considered to be suitable only for distances up to a few hundred miles, they have in fact a powerful indirect ray at night and it has been found that high-power stations in Europe are sufficiently powerful in India at night to cause serious interference, if the wavelengths are sufficiently close. This interference takes the form of a steady note which completely destroys the artistic quality of the programme and the only remedy is to change the frequency of one of the stations so that the pitch of this interference note shall come outside the audible range. Although the countries concerned are prepared to discuss the matter with a view to mutual adjustment, the only complete solution is to provide a signal strength of such an order as to make the effect of the distant stations negligible but the expenditure involved in erecting sufficient transmitters in India of the necessary power is at the moment out of the question. For a long time the greater part of India will have to rely on comparatively distant stations providing a low signal strength and it is essential to be able to adjust the wavelengths to the most favourable points from time to time.

The results to be expected at various distances depend on the field



Mr. Lionel Fielden, the Controller of Broadcasting with the Executive Committee of the Bombay Radio Exhibition.

(Photo : Katrah.)

strength and although very great variation is experienced from place to place and time to time a mass of experimental information is available from which a general average can be deduced. The power of broadcast transmitters is normally rated by the power delivered to the aerial but the field strength depends on the amount of that energy which is radiated. A full quarter-wave aerial, as is provided at Delhi, has a theoretical radiation resistance of approximately 40 ohms. The aerial current is expected to be of the order of 17 amps. which will give a radiated energy approximating to 12 kw. The remaining 8 kw. of the 20 kw. supplied to the aerial is lost in the aerial and earth system. This means that the total resistance of the aerial must be about 66 ohms. with a radiation efficiency of roughly 60 per cent. From these figures the field strength up to a few miles can be calculated and the figure given above, *i.e.* one-quarter volt per metre at three miles, is obtained in this way. These are of course only rough calculations and the actual results cannot be predicted with accuracy as they depend on the electrical constants of the earth in the immediate neighbourhood of the aerial and the precise distribution of current in the aerial. For greater distances it is more difficult to estimate the field strength owing to doubt as to the transmission characteristics of the ground. To a rough approximation the attenuation can be calculated from a quantity called the equivalent conductivity of the earth, which is known to vary by a factor as great as a hundred in different parts of the world. In most countries where definite experimental evidence is available this quantity lies between 10-11 and 10-13 C.G.S. units. The small amount of information available for India indicates that this quantity is not likely to be higher than the lowest of these figures in Northern India and is probably rather less. On this assumption it is estimated that the field strength will be of the order of one millivolt per metre up to a distance of about eighty miles and this field strength is sufficient to overcome all but the worst atmospherics and to provide high-grade reproduction. Up to 250 miles, the field strength should be of the order of one-tenth millivolt per metre even in the daytime, which should give quite good reception during the cold weather and at other times when atmospherics are slight. At this distance however fading will usually exist at night and to obtain the best results it will be necessary to have a comparatively high grade receiver embodying automatic volume control. At night the indirect ray will provide reception up to a very much greater distance. The field strength due to the indirect ray is even more variable than that from the direct ray but the average strength up to about 600 miles will be of the order of one-third millivolt per metre which is capable of giving quite good reception under favourable conditions with a high grade receiver. Those who listen to the existing small stations at Bombay and Calcutta at great distances will feel that these estimates are conservative and it is true that the Delhi transmitter will be heard well at times up to very much greater distances. The quality of the service at such distances can be judged by the fact that Delhi will give over three times the field strength as Bombay or Calcutta for the same distances.

## SHORT, MEDIUM OR LONG?

By E. Duncan Smith.

The wind of radio opinion has lately blown up a great deal of chaff in the matter of what frequencies we shall or should use in the future expansion of broadcasting in India and a discussion on the relative merits of the wavelengths which have been allotted to broadcasting, would be best prefaced by reminding the reader that two radiations are propagated from the transmitting aerial. The first consists of primary rays which, to all intents and purposes, travel at low level with the Earth's surface, while the secondary rays are propagated towards the sky for some miles and then on reaching a belt of ionised gases which exist above the Earth's atmosphere, they are reflected back to Earth again in a scattered formation, in much the same manner as light is reflected by a mirror. Keeping to this analogy, we all know that the degree of light will depend upon the surface of the reflector that, say, of a cycle lamp giving poor results when compared with those installed in a cinema projector. Now the layer of gases which reflects our secondary rays back to Earth has a variable surface which is influenced by the time of day, season of year, and the hourly rotation of the Earth round the sun. At one moment the layer will reflect the rays with extreme intensity—at another the rays are partially absorbed and weak signals are the result. Rapid variations in reflecting condition are called 'fading' which in some measure has been compensated by the introduction of automatic volume control, but little can be done to legislate for those variations which are experienced from day to day and which make the difference between entertainment value and very poor reception where broadcast programmes are received on secondary radiations.

### PRIMARY RADIATIONS.

Primary radiations on the other hand do not suffer from the disabilities just mentioned, except at extreme distances from the aerial. Propagated over average *terrain* such as, say, exists in the United or Punjab province the primary ray has, so to speak, a constant influence, but the strength of this influence depreciates with distance from the transmitter. It is now common to divide the influence of this primary radiation into different spheres where they are employed in broadcasting. Taking as our wavelength 450 metres and a power of 50kW the spheres would be divided, in the case of a station on this wave and power, into the following:—

*Sphere 1.*—A 20-mile zone where the field strength is 30 millivolts per metre, this precluding reception of any but the local station, and all Interference either man made or natural is eliminated.

*Sphere 2.*—A 40-mile area where we have 10 M/v and where freedom is still possible from Interference.

*Sphere 3.*—Here we have 5M/v at 55 miles. Crystal reception is good but Interference from strong sources—say Electro-medical apparatus will be apparent, but atmospheric will not interfere with reception.

*Sphere 4.*—2.5 M/v at 70 miles, crystal reception being still possible as well as freedom from X's, but pernicious man made static still possible.

These zones, of course, all include crystal reception, and are calculated on ideal conditions. They could not be applied to India *in toto* as we have to counteract additional factors which call for increased field strength and a reduction in the effective ranges of given transmitters.

As stated the primary ray gives constant service. In application to broadcasting this means that the listener can invite his friends to a wireless concert with the assurance that, all being equal, his receiver will deliver the programme effectively, that a large degree of freedom will be given from natural or artificial sources of Interference and that there will be no distortion due to a fading signal. Direct ray service with its large field strength also permits reception on simple apparatus, this being an important point where the purchasing power of the listening *clientele* has to be considered, as in India.

### OBVIOUS CONCLUSIONS.

It will require no large exercise of judgment on the part of the reader to arrive at the conclusion that, where a reliable and programme-value broadcasting service is projected, the only basis for the calculation of effective coverage is the primary or direct ray. It is true that the secondary or indirect ray will give reception, due to reflection, over a wide area reaching into thousands of miles but such service is variable and is more often than not of technical rather than artistic interest.

At any rate there can be no guarantee of effective entertainment broadcasting *via* a medium that is variable even although at times reception may be on a plane with that existing in the area immediately surrounding the transmitting station. International Laws covering the distribution of wavelengths (or rays) for Radio allot three types to broadcasting, all others being appropriated for commercial and mobile stations. Broadcasting stations may use long-waves between 1000-2000 metres and they constitute the ideal where it is intended to cover large areas by the direct ray. Many European nations would, if it were possible, employ long wave transmitters, but the waves available are limited. Long waves have the advantage too that they are not absorbed so that they make ideal propagators where the country is hilly or heavily wooded such as some parts of Malabar.

### HEAVY INTERFERENCE.

Unfortunately, in the tropics, long waves are subject to heavy Interference and so their use to date for broadcasting has been a subject of much debate. Arguments have been based on the results with commercial services but there is a new thought, at any rate in India, that we ought to give them a try out and find if we can make them suit some of our peculiar conditions.

The next type of wave used in broadcasting is of the so-called medium order and they are the most extensively employed because they have many merits. Broadcasting by medium waves permits effective direct ray service but the indirect ray has proved a rock of offence because, as stated, it is received *via* the reflecting layer at times with a power equal to that received locally, and this has caused in the past both political and technical difficulties, but judged purely on the merits of service and subscribers interests medium waves seem to present an ideal for India.

### SHORT-WAVE DRAWBACKS.

A broadcasting service may also find a means in short-waves ranging from 10-100 metres but we now enter a field where propagation is entirely due to the secondary ray and therefore it is not possible to guarantee any degree of local service whatsoever. Further it would appear that the intensity of reflection occurring in the gaseous layers, where short waves are involved, is not of the same order as prevails with long or medium lengths. Again, due to the angle of reflection there are large geographical areas where no signal is available while the dispersion of the ray often lead to local 'dead-spots' which vary from day to day. At very extreme distances, running into thousands of miles, short wave transmitters appear to have a larger degree of reliability than that enjoyed in the country where they are situated. The argument for this is, that the short wave penetrates the layer which reflects the long and medium waves but a fraction is also reflected by this layer which gives a variable degree of local service over some hundreds of miles outside the 'skip' area. The majority of the wave energy reaches another layer for above the first, whose surface is not so variable and this in turn projects the wave front with a large degree of service onto countries situated thousands of miles from the transmitter origin. It will be gathered therefore that the suggestion of a short-wave 'central' station is not a practical one where broadcasting is founded on the criterion of an effective local entertainment signal nor can it be said that the transmissions from Kirkee have demonstrated this. Again, long and medium wave reception, is possible on simple apparatus such as can be purchased by many millions in India provided the field strength exists but costly and delicate apparatus is necessary with short-wave transmissions. The main contention with those who suggest short-waves for India is that they will give freedom from interference. This is not borne out when one remembers that during the peak of our hot season all wave lengths above 25 metres are subject to 'noise' which is such as to render listening, if not impossible, at any rate unpleasant on many evenings. Below 25 metres it is agreed that a large reduction in signal noise ratio takes place but this is offset by a very variable signal which is often 'garbled' due to fading.

### CONCLUSION.

In view of the information supplied one may arrive at that following conclusions. Secondary or indirect ray broadcast programmes cannot be considered as having a high service value.

and do not or should not enter into our calculations when planning a broadcasting scheme. An exception to this exists where short waves are received many thousands of miles from their source, this being traced to reflection from an ionised layer above that responsible for medium and long wave transmission. That where it is intended to give a high grade service then primary or direct ray is the only medium on which to base our calculations, and that this direct ray may take the form of medium wavelengths, but a test should be made with long-

waves to arrive at their value, if any, for Indian broadcasting. Again, where it is intended to give a signal free from natural or artificial interference or where the purchasing power of potential subscribers necessitate reception on simple apparatus, there is no alternative to this form of transmission. It would therefore appear that the only feasible system of broadcasting suitable for India will be that of a series of high power transmitters using medium, or should experiments be justified, long wavelengths.

## THE DISTRIBUTION OF PROGRAMMES

By Peter Goss.

One of the fundamental principles underlying the operation of the Empire Broadcasting Service is that listeners in all parts of the British Empire possessing short-wave receivers shall be given an opportunity to hear a broadcast programme from London each day, during the course of the evening hours, local time. To this end, and owing to the vast difference in time between Great Britain and the various parts of the Empire, the Empire programmes have been divided into a series of six transmissions, which are radiated at intervals throughout each twenty-four hours of the year. Each transmission is intended specifically for reception in a certain part of the Empire during the evening hours, local time; but, in practice, listeners in many parts of the world are able to hear programmes from the Empire station which are not specifically intended for reception in their part of the globe, although they cannot always hear them with the same quality of reception and at a convenient local listening hour.

An analysis of the Empire programmes for one day reveals the complex problems which must be faced in an endeavour to supply listeners in all parts of the globe with a daily broadcast programme. At the time of writing the Empire broadcasting day in London begins at 8-0 a.m. G.M.T. with the opening of Transmission 1, intended specifically for reception by listeners in the Antipodes. In the eastern States of Australia the beginning of this transmission will be heard at 6-0 p.m. on the same day, and in New Zealand at 8-0 p.m. The programme opens, as do all Empire transmissions, with the chimes which precede Big Ben, the most popular of Empire broadcasters. In view of the fact that this transmission comes outside the normal broadcasting hours of the National and Regional programmes in Great Britain, it must necessarily include a large number of items prepared especially by the staff of the Empire Department. In addition, a number of recordings of the more important programmes broadcast in the Home Service are included.

### "LIVE" AND RECORDED ITEMS.

Many of the more important items broadcast in the National and Regional programmes for the benefit of listeners in Great Britain are recorded in this way and later radiated to Empire listeners in all Empire transmissions. Similarly, the outstanding programmes which are broadcast "live", as we say, in one transmission are recorded and later broadcast in subsequent Empire transmissions for the benefit of listeners in other parts of the world.

It may be asked why the officials responsible for the compilation of the Empire programmes do not record a greater number of programmes which are broadcast in the Home country for the benefit of Empire listeners. Firstly, in view of the uncertain quality of short-wave reception, a special production technique is highly desirable for Empire programmes. For instance, many Empire listeners have complained that artists taking part in the Home programmes speak too fast for them to be intelligible overseas. The use of certain "effects" and the superimposition of speech over music in broadcast plays are similarly deprecated. Secondly, judging from the vast volume of correspondence which is received from Empire listeners, programmes of long duration are not appreciated. In the case of dramatic productions a considerable degree of concentration on the part of the listeners is essential, and this must be accentuated when listening to short-wave transmissions. Thirdly, many listeners imagine that in the process of recording programmes for subsequent broadcast transmission no additional cost is involved. This is not the case. While the actual technical costs of recording are low, the process necessitates the payment of heavy additional fees to artists, musicians, and other contributors. For this reason, a very large number of programmes are produced especially for overseas listeners by the staff of the Empire Department.

### THE SEPARATE TRANSMISSIONS.

Transmission 1 ends at 10-0 a.m. with the Empire News. News bulletins are broadcast daily in all Empire transmissions, each bulletin

being designed to cover the events of importance which have taken place throughout the world during the twenty-four hours preceding its transmission. The Empire News bulletins are compiled by the News Section of the Empire Department, consisting of a News Editor and three Assistants. The contents of the Empire News bulletins are supplied by two of the leading British news agencies, which provide tape machines in the offices of the Empire Department. In the selection of items for each News bulletin, consideration is given to the particular interests of listeners in that part of the world for which each transmission is intended. As a supplement to the News bulletins, a limited number of topical talks are broadcast, and weekly market notes and general commercial intelligence are included in all transmissions. While the popularity of the Empire News bulletins has been much evident in correspondence received from listeners, there is no doubt that they are more appreciated by isolated listeners and in the Colonies than in the main centres of population in the Dominions, where other news services are accessible.

Transmission 2, which is of two-and-three-quarter hours' duration, opens at 11-0 a.m., and is intended mainly for reception by listeners in Malaya and the Far East, where the difference in time varies from six to nine hours. Since Transmission 2 coincides with the morning programmes broadcast from the National and Regional transmitters, listeners overseas at this time are fortunate in that they hear, not only many of the special Empire programmes, but a considerable number of "live" excerpts from the Home programmes. Many of the most outstanding broadcasts in the Home programmes of particular interest to overseas listeners, such as the Royal Wedding, the Changing of the Guard, the Armistice Day Service at the Cenotaph, and many others, are radiated at this time. Many of the Empire programmes, particularly those broadcast in Transmission 2, are contributed from the Regional studios, and prove exceedingly popular with a large number of listeners in the Empire who have sentimental associations with the provinces.

The programmes broadcast in Transmission 3, which are heard each evening by listeners in India, Ceylon, and the Near East, coincide with the afternoon programmes broadcast in Great Britain. Listeners to this transmission, in addition to hearing a number of the Home programmes, receive a certain number of special Empire productions, notably vaudeville programmes and talks. A balance in programme material is thus maintained. Many of the more important broadcasts covering sporting events, such as the Derby, the Grand National, and the Boat Race, are broadcast "live" in this transmission.

Listeners to Transmission 4, living in all parts of Africa, are more fortunate than others in that they hear the British programmes broadcast between the hours of 5-15 p.m. and 10-45 p.m. in Great Britain. Programmes broadcast in the latter half of this transmission are also heard by listeners in the West Indies and South America.

Transmission 5, which is designed to serve listeners in Canada, Newfoundland, the West Indies, and British listeners generally in North and South America, is broadcast between 11-0 p.m. and 1-0 a.m. This transmission, like Transmission 1, gives little opportunity for relaying items from the Home programmes, and necessitates the compilation of special Empire programmes and the employment of a limited number of recordings of the Home broadcasts.

Transmission 6, which has recently been inaugurated for the especial benefit of listeners in Western Canada, begins at 3-0 a.m. in Great Britain and 6-0 p.m. on the previous evening in Western Canada. Incidentally, this same transmission provides a breakfast-hour programme for listeners in India and Ceylon, and many letters of appreciation from the East have resulted.

The purpose of this article is to illustrate the way in which have been overcome many of the problems concerning the preparation and production of programmes at all hours of the day and night, in order that they may be heard by listeners overseas at a convenient local listening hour.

While, as has already been shown, it is possible to relay from the Empire Station a limited number of items from the Home programmes in those Empire transmissions which coincide, with the normal broadcasting hours in Great Britain, special programme production resources are naturally required to provide original programmes in those transmissions that fall outside the normal broadcasting hours, and to provide a balance of programme material in other transmissions.

The operation of the Empire Broadcasting Service has been entrusted to a special department at Broadcasting House known as the Empire Department. Under the control of the Director of Empire Services, the staff of this department includes a Programme Director, four Producers, Producers' Assistants, a Music Director, an Assistant Music Director, a News Editor, Assistant News Editors, Announcers, and a large staff of stenographers. The Empire Department also possesses its own orchestra of twenty-four players, who broadcast almost exclusively in the Empire programmes, more frequently in the late night and early morning transmissions, when it is not possible to relay programmes broadcast by other B.B.C. orchestras during the normal broadcasting hours in Great Britain. No mention can, unfortunately, be made here of the work of the Engineers, whose duties come outside the scope of this article.

#### NIGHT STAFF.

Few listeners overseas can realise that the B.B.C. Empire transmissions involve the employment of a large staff at Broadcasting House at hours when the majority of Londoners are safe in bed. Besides the staff of the Empire Department—such as announcers, producers, musicians, producers' assistants, news editors, and stenographers—commissionaires to receive visiting artists, liftmen, and engineers to supervise the heating and lighting of Broadcasting House are all essential to the transmission of programmes to the Empire during the night hours. In addition, engineers in the Control Room working on night shift are allocated for the supervision of the technical requirements of the Empire Service. The main restaurant at Broadcasting House also remains open throughout the twenty-four hours.

There are four Empire Announcers, who have been selected with special regard to the requirements of short-wave broadcasting. Sleeping accommodation, as well as bath and dressing-rooms, is provided for the Announcers and News Editors at Broadcasting House. The Announcers' working day normally begins at 3.0 a.m., so that while one announcer retires to bed shortly after 1.0 a.m., at the conclusion of Transmission 5, another rises at 2.30 a.m. to prepare for the opening of Transmission 6.

The Empire programmes are compiled more than five weeks in advance of their transmission, in order that details concerning them may be published in a pamphlet which is distributed to listeners in all parts of the world. Details of the programmes are also published widely in the overseas Press.

#### LETTERS FROM LISTENERS.

During the early days of the Empire Service the programme staff worked largely in the dark as to the tastes of the vast audience

for which they catered. Naturally, since the Empire programmes are received by so large an audience, the tastes of individual listeners are often widely conflicting. To-day, however, thanks to the many thousands of listeners who have written to the B.B.C.—letters often containing the most valuable and constructive criticism—the choice of Empire programmes is, within the limitations imposed by certain governing factors, largely guided by analyses which are periodically made of the general demands and requests made in correspondence received from Empire listeners. Incidentally, the enhanced interest on the part of overseas listeners in the Empire Service can well be gauged by the increase in the volume of correspondence received from listeners during the past twelve months. During the first eight months of 1934, approximately 9,000 letters reached Broadcasting House from the Empire. During the same period of 1935 the number of letters increased to 20,466. These figures are best left to speak for themselves.

In the selection of programmes to be broadcast in each Empire transmission every consideration is given to the programme requirements of listeners in different parts of the Empire. To quote one example: during the visit of the New Zealand Rugby Football Team to Great Britain, commentaries on the more important matches played in the Home country will be broadcast in Transmission 1 for the benefit of listeners in New Zealand.

Every encouragement is given to visiting artists of all kinds from the Empire, and a great number have broadcast from the Empire Station since its inception in December 1932. By this means it is hoped to stimulate an exchange of broadcasting talent throughout the many countries which constitute the British Commonwealth of Nations. In addition, a number of works by overseas composers have been submitted for consideration by the Empire Music Director, many of which have been accepted for inclusion in the Empire programmes.

Talks play a prominent part in the Empire programmes, and the speakers are drawn from almost every walk in life. These talks aim at representing all aspects of life and activity not only in the Home country but in the Empire overseas. Of a more informal nature are the short topical talks of five minutes' duration that sometimes supplement the Empire News Bulletins.

Programmes originating in overseas countries, which are relayed in the Home programmes in Great Britain as well as from the Empire Station at Daventry, play an important part in the work of the Empire Department. Such programmes are usually compiled and produced in co-operation with the Empire Department by the official broadcasting authorities of the country of origin and transmitted to London by means of the Beam telephone. Notable broadcasts of this kind have included a relay from the Victoria Falls, a musical and descriptive programme from Bombay, and a descriptive broadcast from the famous lighthouse at Cape Point in the Union of South Africa.

No article on the Empire Broadcasting Service would be complete, however, without some reference to the Christmas Day programmes, in which representative countries of the Empire take part, and in the course of which His Majesty the King broadcasts his annual greeting to his subjects of every race and creed scattered throughout the British Commonwealth.

(Courtesy: B.B.C.)

(To be concluded.)

## NOTES & COMMENTS.

### "A Happy New Year To All Our Listeners."

#### DELHI ON THE AIR.

Although the final tests of the Delhi Transmitter have not yet been completed it is hoped that from the 1st January 1936 regular programmes will be broadcast from 6.00 p.m. to 11.0 p.m. from the Delhi Station on a wavelength of 340.136 metres, 882 kc/s. The Call Sign of the Station will be VUD.

#### THE TIME MUDDLE.

For the present Delhi Station will observe the Delhi Time, which is half an hour ahead of Indian Standard Time. Calcutta Station is observing Calcutta Time which is 24 minutes ahead of Indian Standard Time and Bombay—bravo Bombay—observes Indian Standard Time. This is all very difficult for listeners who want to tune in to different Stations and it is manifestly absurd for an All India paper to adopt these municipal quirks.

#### INDIAN STANDARD TIME FOR ALL STATIONS.

We warn listeners that we intend for the future to adopt I. S. T. for all Stations shown in the "INDIAN LISTENER". If there are those who object to this procedure, let them say so before it is too late.

#### BROADCAST DRAMA FROM DELHI.

In the first fortnight the Station is presenting two plays, viz., "Mantosh" and "Gunah-ki-Qemat". The former was originally written in Bengali by Babu Chandra Chatterji, the late Principal of the Law College, Lahore, and translated into Urdu by Khan Sahib Hakim Ahmad Shujja, Secretary, Legislative Council, Punjab. Marriage is a lottery in India, but "Mantosh" finds out who to draw the best lot in the gamble. The latter, "Gunah-ki-Qemat" may present a few problems which have perplexed the best minds of this generation.

Calcutta commences the New Year by the introduction of a number of New Ideas in programmes amongst which are the following :—

The re-introduction of an early Evening European programme : two News Bulletins each evening instead of one, including a special one for Oceanraft and Rivercraft : Special Broadcasts for Schools on two days a week : Special Programmes and selected News items for Rural areas three times a week : additional relays of Empire Transmissions and a re-arrangement of timing to suit both European and Bengali listeners.

These innovations and renovations are the result of a great deal of care and thought, and will, we trust, meet with general approval and encourage both our present and prospective listeners to continue and increase the support so essential to the progress and future development of our service.

#### EARLY EVENING PROGRAMMES.

Listeners to our European Programmes will note several important changes in the current issue, the most important of which being that provision has been made for the introduction of two additional early programmes at 8-30 p.m. on Mondays and Wednesdays and at 6-15 p.m. on Fridays.

We have been requested, on several occasions during the past year, to introduce an early European Programme for the benefit of Mofussil listeners, and for those who are not able or do not care to wait up for the late ones. The abolition of Hindustani Programmes from the 1st January, 1936, has enabled us to re-arrange the timing and fit in early English programmes on three evenings a week.

Another important change is the introduction of two News Bulletins on each evening except Fridays and Sundays, referred to below. The early programmes on Mondays and Wednesdays will be devoted, as far as possible, to relaying Daventry Programmes (broadcast) between 2-30 and 3-15 p.m. (G.M.T.) and the Friday early transmission to Tea Dance Music either relayed from one of the Hotels or broadcast from the Studios.

#### NEWS BULLETINS.

It has always been the practice in the past to devote from thirty to forty minutes of Evening programme time to the broadcasting of News, and for some considerable time, now, we have broadcast the News in three languages—English, Bengali and Hindi—between the hours of 8-50 and 9-30 p.m. each evening (except Fridays). It is proposed to alter this arrangement as from the 1st January, 1936. Under the new arrangement, there will be no broadcast of News in Hindustani, but instead, two in English and one in Bengali. These will be broadcast as follows :—

- 8-15 p.m. . . 1st News Bulletin in English.
- 9-15 p.m. . . News Bulletin in Bengali. (Friday at 7-15 p.m.)
- 10-30 p.m. . . 2nd News Bulletin in English.

The advantage of this arrangement is that it will enable the early foreign and Indian News telegrams to be broadcast without undue delay and at a time when a large number of Europeans and Indians are awaiting the arrival of their guests for the evening, and supply a topic of conversation and discussion during the dinner hour.

The question of introducing an early bulletin in Bengali was debated, but it was thought that the major portion of Indian listeners would prefer the one bulletin at 9-15 p.m. rather than an early and a late one. Furthermore, it was considered that those Indians interested in late news would be of the class who could understand English, so that the late News broadcast in English would serve that portion of interested Indian listeners as well as the Europeans.

VUC mid-day Weather Bulletin for Oceanraft and Rivercraft still continues for the benefit of those concerned.

#### ABOLITION OF HINDUSTANI PROGRAMMES.

In order to cater for those who desire to listen to programmes broadcast in Hindustani, the Calcutta Station has for the past two years allotted a certain amount of programme time to purely Hindustani items, but the question of broadcasting in three languages naturally resulted in the cutting down of time allocated to other sections of the programmes. Although there is much to be said as regards catering for as many of our listeners as possible, the number of languages a single station can broadcast is necessarily limited.

Broadcast time is, of course, an important factor and it has been considered that each station should, for the present as any rate, only broadcast in two languages, and that Calcutta should confine its activi-

ties to Bengali and English as both Delhi and Bombay will broadcast in Hindustani. It has, therefore, been decided that as from the commencement of the New Year, the Calcutta Station will abolish the purely Hindustani programme section and allocate the time previously allotted to it, to Bengali and English items. This, however, does not mean doing away with Hindustani Classical Music, nor ruling out the many prominent Artistes in Bengal who excel in the interpretation of music and songs in Hindustani ; it is only as forming a separate section of our programmes that Hindustani will be deleted from the Programmes.

#### SCHOOL BROADCASTING.

Although Calcutta has for some considerable time introduced items that would appeal to the student and scholar and featured Educational Talks, it has been thought that with the growing interest displayed by Government Colleges and Schools in broadcasting, the time had arrived when such an important feature as Educational Broadcasting should find a permanent place in our regular programme. We have, therefore, in the re-arrangement of the timing, allotted two hours weekly on Mondays and Fridays between 2-00 and 3-00 p.m. to School Broadcasting.

#### RURAL PROGRAMMES.

The last year has seen considerable development in Bengal in the matter of Rural Uplift and the introduction of Wireless Receivers in Villages. Reference to the Government's activities in this direction was made in these notes from time to time. The District Magistrate of Midnapore has now, it is understood, been granted the necessary permission and funds to develop his rural broadcast scheme in that area and arrangements and plans are being made to instal a number of Community Receivers in the near future in the villages surrounding Midnapore.

In order to meet this development, special times on three days a week have been allocated to Rural Broadcasting and to include in the items, a specially selected News Bulletin that will be of interest to the villagers, also to choose speakers who are not only specially interested in the particular areas for which the broadcasts are intended but who are able to speak in the dialect best understood by the people in it.

#### DEMONSTRATIONS IN RURAL AREAS.

In addition to the activities referred to above, the Government of India have sanctioned a scheme recently submitted by the Calcutta Station Director and approved by the Controller of Broadcasting, for the equipment of a small Motor Van that will tour Villages and outlying districts of Calcutta demonstrating the possibilities of broadcasting.

It is anticipated that propaganda and publicity of this nature will be of considerable help to the villagers and bring to them by actual demonstration a realization of what benefits they can expect from installing sets thereby arousing their interests in affairs beyond the boundaries of their isolated habitation. It is hoped too that the scheme will be the means of persuading Headmen, Zemindars, and the Employees of large labour forces in the Mill and agricultural areas, to obtain sets for the education and amusement of the poorer classes, who have nothing after they have finished their day's work to either interest or amuse them. Think for a moment what a Community Receiver would mean to the thousands of Coolies employed at say a Jute Mill, if after their day's work they could assemble in the Mill compound and listen to an hour's broadcasting. Would not that give them something to look forward to, something to talk about, to discuss and occupy their minds ? Further comments on this scheme will appear in these notes as it develops. In the meantime, the Station Director would be pleased to hear from anyone residing in the outlying districts of Calcutta who would like the Demonstration Van to visit his particular village, the name of which and the district, should be mentioned in the letter.

#### RELAYS FROM DAVENTRY.

In view of the comparatively limited talent available locally for European programmes, it has been decided to devote the time allotted to two of the three additional early programmes to relaying part of the programmes broadcast from Daventry (Transmission III), and the timing has been so arranged to coincide with the portion of the Daventry programmes to cover the greatest variety, an earlier or a later time would have coincided with purely orchestral music, whereas, commencing at 8-20 p.m. we obtain (speaking

generally) three changes of programme items during the hour allotted for the relays. Reception from Daventry at that particular time too, has been (again speaking generally) much better than later on in the evening. This arrangement will not of course rule out the relaying of special B.B.C. Broadcasts at other times.

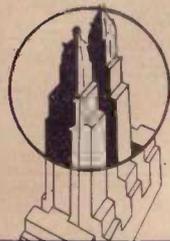
#### RE-ARRANGEMENT OF TIMING.

In order to provide for the changes it has, of course, been necessary to alter the timing at which the various sections of the programmes will be broadcast, and although we have endeavoured

to avoid disturbing the general plan as much as possible, changes have been inevitable and listeners are advised to scrutinize the current programmes closely until they are familiar with the changed condition.

#### SPORTING COMMENTARIES.

Listeners' attention is drawn to the sporting commentaries (referred to in our last Notes) that will take place during the All India v. Australian XI Cricket Match on January 1st, 2nd and 3rd. Also to the summaries of sporting events on Sunday, 5th and Saturday, 11th January, by Bertie Meyer.



## UR LISTENERS

#### 31.36 METRES AND 350.9 METRES.

*T. G. A. Kader, Esq., Bangkok.*—"I beg to lay down a suggestion regarding the timings for the S. B. programmes of the Bombay Station. You can probably imagine how every man who is far away from this country craves for the music and news of his own native place. But the average Indian staying abroad is either a business man or in some service and to keep himself awake till midnight to hear Bombay is rather troublesome. So the only thing to be done is to give these shortwave broadcasts at about 7 or 8-0 p.m. Your Station is the clearest Indian Station, which makes us feel that the fine music is being played in our own homes."

*Miss L. Maragret Forbes, Uganda.*—"Just a line to let you know that V.U.B. comes through very clearly here most evenings when I tune in. At the moment Indian music by Laxmibai is being broadcast and it is coming through loudly."

*Seth Amar Nath, Lahore.*—"Last night (28th Nov. 1935) at 9-30 p.m. I tuned your Station on 350.9 metres, and I wish to report that reception was WSA 4/F. The songs by Mrs. Shivrani Ghosh were highly appreciated by all, and I shall be glad if you will make it convenient to include this item in your future programmes. Later at 10-0 p.m. I tried on 31.36 metres and the reception was QSA 2/FF."

#### MORE PROGRAMMES.

*Hasanali S. Mahomed, Esq., Bombay.*—"I am sure I am voicing the sentiments of a large number of listeners-in in putting forward the following suggestion. Recently new features have been added in the *Radio Times* including full B.B.C. and German Programmes. And since the last two issues you have also been giving Madras programmes. We listeners-in thank you for the same, and would suggest the inclusion of Colombo programmes. Of course this would mean extra cost, but I think people would not grudge an additional eight annas or a rupee in the subscription of the *Radio Times*."

#### AN EXCELLENT PIANIST.

*N. A. Solomons, Esq., Colombo.*—"This is just to congratulate you on the very excellent broadcast of Pianoforte recital by Male Pirani on the evening of 27th November 1935. P.C.J. had just closed down when yours came on and was very much appreciated."

#### A LISTENER'S COMPLAINT.

*N. V. Govinda Rao, Esq., Bombay.*—"Your announcement in the *Radio Times* notifying important changes in the timing of European and Indian Programmes comes as a bolt from the blue. Your leading article on "Broadcasting and Broadmindedness" is a sufficient answer to insistent demand on the part of listeners to devote more time to Indian programmes, at the same time urging earlier hours. Having such excellent ideals for guidance, the authorities have almost decided to make a present of the cream (I consider the programmes

between 9-30 and 11-0 p.m. as cream) to European programme enthusiasts entirely without their asking for it. I would beg of you to reconsider before inaugurating what you consider an important, but to my mind a very drastic and unfortunate change."

#### BRAVO DELHI!

*A. T. Postoev, Esq., Tashkent Astronomical Observatory, Tashkent, (U.S.S.R.).*—"Yesterday evening (15th October 1935) I was astonished to hear on my receiver the Indian music with extraordinary loudness and clearness. I can say that your testing transmissions are very good and the audibility excellent. The Delhi Station may be in future one of the best to hear in Tashkent."

*Hukam Chand, Esq., Government College, Jhang City.*—"There are only six or seven radio sets in our town and I have had opportunities to talk to most of the set owners. We are all unanimous in our opinion that never before had we the reception of any other station so powerful and clear as that of Delhi. Both in volume and purity of tone, your broadcast excels all others."

*Mir Sultan Alam Khan, Nawabzada of Belha, Surat.*—"Yesterday (27th Nov. 1935) while I was turning my tuning dial needle, I suddenly came across a station where the commentator was speaking beautiful Urdu and very interesting at the same time. I waited to listen to the Call-Sign and to my great surprise it was the New Delhi Station working. The reception was very powerful and clear, I must say that it was clearer than Bombay and Calcutta Stations. Bombay we do hear daily, but Calcutta programmes we only get during the winters. I have to say one thing more and that is to congratulate you on finding out a genius, I mean the Urdu announcer. The way he speaks is really charming. He knows how to interest people. I hope we will always listen to his wonderful manner and voice through the medium of your Radio Station."

*A. T. Doshi, Esq., Secretary, Sarup Club, and Dt. Magistrate, Sirohi State, Sirohi.*—"I am exceedingly pleased to congratulate you on the remarkable success that you have so far achieved in placing before the Radio-loving-public varied programme of wireless entertainments from time to time from the Delhi Station, though only as an experimental measure. The reproductions are quite distinctly audible and hence more intelligible than what we receive from other well established stations of India, such as Bombay and Calcutta. The humorous way in which every little piece of programme is introduced lends an additional charm to what follows thereafter, and our deep sense of appreciation may kindly be conveyed also to the officer responsible for such nice entertainment."

#### "FOR HE IS A JOLLY GOOD FELLOW."

*Padvendra Nath Rish, Esq., Kumar of Tajpur, Tajpur Estate, Dt. Bijnor, U. P.*—"I am an owner of a radio set through which I hear Delhi Station so clearly and so loud that sometimes my friends and relations sitting near me have to put fingers in their ears, moreover, your programme announcer seems to be a jolly good fellow who makes us laugh every night. A few days back he announced some very amusing words in Urdu, saying, whether Radio sets in some towns are of masculine or feminine gender, hearing these words, a guest of mine, stretching on a couch had a good fall, because he was so fat and could not balance himself on the narrow couch. We had nice entertainment last night too."

## RECEPTION REPORTS

The Station Director (Bombay) of the Indian State Broadcasting Service acknowledges with thanks reception reports of this station broadcasting on 31.36 metres, 9565 kc/s, power 4.5 kw:—

Percy R. Wood:—3, Kloopside Flats, Kloop Street Gardens, Cape Town.

John E. Oram:—35, Malmesbury Park Road, Bournemouth, Hants.

J. O. Dykes:—16, South Charlotte Street, Edinburgh, 2.

E. Hughes:—Paramount Theatre, Long Branch, New Jersey, U.S.A.

E. F. Softy:—6, Money's Buildings, Kitchener Road, G. Yarmouth.

J. M. Endacott:—24, Cumming Street, West Brunswick, Melbourne.

T. G. Ward:—50, Exeter Street, Favistock, Devon.

A. G. Cutts:—75, Broomhall Street, Sheffield, 3.

L. Joynes:—Pole Close Cottages, Weybourne Lane, Nr. Farnham, Surrey.

C. C. Chard:—65, Lime Road, Southville, Bristol.

J. Rustage:—26, Wimbourne Street, Manchester.

F. I. Webster:—98, Gloster Street, Subiaco, W. Australia.

W. H. Summer:—497, Freere Road, Durban, Natal.

W. P. Angus:—2, Alpha Road, Umbilo, Durban.

D. W. B. Turney:—Te miro, Cambridge, New Zealand.

William Rogers:—1, South Bridge, Northampton.

E. C. Johnstone:—71, Marlow Crescent, Twickenham, Middlesex.

J. A. Edwards:—10, Oak Road, Sale, Manchester.

L. P. Kennard:—"The Bell Hotel," Godstone, Surrey.

D. Rushman:—20, Nesta Road, Woodford Green, Essex.

B. E. Woolf:—37, Smedley Road, Cheetham, Manchester.

H. Jackson:—27, Yates Street, Rhodes, Manchester.

C. Walnesley:—"Molyneux", Scotter Road, Scunthorpe, Lincolnshire.

## The B. B. C. Empire Broadcasting Programme Notes.

## CAROLS FOR CHRISTMAS RELAYS FROM CAMBRIDGE AND "EAST END."

Since the first Christmas Day, the season of Yuletide has always been associated with carols. Christmas is essentially a "singing festival" and for that very natural reason, Christmas music is mostly vocal. The word carol, which is thought to have a dancing origin, is merely a sincere expression of ordinary emotion illustrative of the period in which it was written and may be appropriate to any season festival. Incidentally, the tune of the famous carol, "Good King Wenceslas" is the melody of a sixteenth century carol for the spring and has no connexion with the rather dubious poem.

"God Rest you Merry, Gentlemen" is sometimes called the most popular of all carols, but it is run close by "While Shepherds Watched their Flocks by Night"—early seventeenth century. "The First Nowell" is at least three hundred years old, possibly much older. Another merry old carol is "Here we Come a Wassailing". There are many other Christmas ditties which listeners will sing this Yuletide. Many of them are not, strictly speaking, carols but that does not matter if they are sung with the appropriate spirit. It is suggested that listeners to the B.B.C. Empire Station from which the above and many other carols will be relayed should try the experiment of singing together some of the good old Christmas tunes—the jolly ones—as they come over the air.

Among the services and recitals of carols to be relayed this year there are the following:—

## FROM KING'S COLLEGE CHAPEL, CAMBRIDGE.

The traditional Festival of Nine Lessons and Carols from King's College Chapel, Cambridge, is one of the loveliest services to be heard anywhere, for the King's College choir is celebrated, recruiting its members from the College itself and the College Choir School. The first carol is sung by the Choir as it enters the Chapel; of the rest, some are sung by the Choir alone, in others, the congregation joins. The carols are separated by lessons, read by the Provost and other members of the College and by the representatives of the town.

King's College Chapel is the chief glory of Cambridge University, and amongst the finest ecclesiastical buildings in England. In 1440, when he was eighteen, King Henry VI decided to create a small college at Cambridge. But scarce had the work of building a habitation for the little community (a Rector and twelve scholars) started when ambition soared. The king determined to found a great college which should outstrip all others in splendour and be linked with the school which he had made at Eton. His plans were never completed. The mighty quadrangle with library and hall and buttery and lodgings for the scholars were never built, but one part of his dream—the great chapel for his College monastery—was, in the course of time, turned into the reality of timber and of stone. It stands to-day as one of Cambridge's proudest possessions, and as an enduring memorial to the boy king.

The most striking feature of the Chapel is the fan vaulting, which has been described as the most beautiful form of roof ever devised. The great windows are equally notable and form a series of

pictures in glass probably unequalled in any part of the world. This Chapel, in which the poets Fletcher and Waller, the historian Coxe, and the Walpoles worshipped, and in which Orlando Gibbons sang, has always been famous for its music. Listeners will hear the organ, little changed through more than two centuries, and a choir that in the singing of Christmas carols is not to be surpassed.

This service may be heard at the following times:—

Transmission 1—Wednesday, December 25, at 8-30 a.m. G.M.T.  
 " 3—Tuesday, December 24, at 3-25 p.m. G.M.T.  
 " 5—Tuesday, December 24, at 12-15 a.m. G.M.T.

## "UNUSUAL CHRISTMASSES".

## All Transmission.

"On one occasion I was the guest of Her Majesty Queen Victoria—in the Naval Gaol at Lewes. I had deserted my ship and was sentenced to sixty days' imprisonment. On Christmas morning we turned out to the usual Sunday routine. Immediately after, we were marched back to our cells for dinner expecting to see some little difference in the menu to mark the occasion. I was disappointed. The first thing that caught my eye when I entered was my dish of pease pudding, but alongside it was an envelope actually bearing my name instead of my number—37—by which I was known. I opened the envelope and found a Christmas card with the compliments of the Captain and his wife. I ate my dinner and sat brooding".

This is only one of the many unusual Christmases spent by Jerry Nann, which he will describe in a talk from the B.B.C. Empire Station at Daventry on Christmas Eve. Jerry is a fine old sailor who has been at sea nearly all his long life, from the old training-ship days in the Navy and later in the Merchant Service and the R.N.R. After the War he was employed by the South African Government at the Bluff Signal Station, Port Natal. He has given many talks in the Empire programmes, all of them as breezy as the winds for which he used to whistle.

"Unusual Christmases" will be broadcast as follows:—

Transmission 1—Thursday, December 26, at 8-45 a.m. G.M.T.  
 " 2—Tuesday, December 24, at 11-0 a.m. G.M.T.  
 " 3—Monday, December 23, at 4-0 p.m. G.M.T.  
 " 4—Monday, December 23, at 9-15 p.m. G.M.T.  
 " 5—Thursday, December 26, at 12-15 a.m. G.M.T.  
 " 6—Wednesday, December 25, at 3-30 a.m. G.M.T.

## GRAND CHRISTMAS PANTOMIMES!

## "SINDBAD THE SAILOR"

Transmission, 1, 2, 3, 5, and 6.

The good old story of Sindbad and his surprising and rather unbelievable adventure is almost too well-known to require any explanation. In the version to be broadcast in the B.B.C. Empire programmes the producers have striven to ensure that the music, songs, and comical situations will prove the foundation of a very

enjoyable programme. "Sindbad" may be heard at the following times:—

Transmission 1—	Friday,	December 27,	at 9-20 a.m. G.M.T.
"	2—	Monday,	December 30, at 11-0 a.m. G.M.T.
"	3—	Tuesday,	December 24, at 2-15 p.m. G.M.T.
"	5—	Friday,	December 27, at 11-45 p.m. G.M.T.
"	6—	Tuesday,	December 31, at 3-0 a.m. G.M.T.

#### RADIO CHRISTMAS PARTY.

##### Transmission 4.

Between 7.30 and 9.30 p.m. G.M.T. on Christmas Day there may be heard a merry radio party, containing all the ingredients which make for a successful Christmas gathering. There will be many distinguished visitors besides the B.B.C. Dance Orchestra, directed by Henry Hall, and the Variety Orchestra. During those two hours, listeners to the B.B.C. Empire Station will hear charades, and have a chance to join in musical chairs and other favourite games. The party will be one of those spontaneous affairs that go on growing until they are over. If at any time, in any part of the world, between 7.30 and 9.30 p.m. a listener's own party shows signs of losing its briskness, he or she will only have to tune in to the B.B.C. Empire programme for a sure remedy.

#### "THE MORE WE ARE TOGETHER".

##### Transmissions, 1, 2, 3, 5 and 6.

Another radio Christmas party, no less ambitious, under the title "The More We Are Together" will be broadcast in all transmissions except Number 4. It will be a "get together" of old friends of Empire listeners including such favourites as Mrs. Claude Beddington, Harry Leader's Band, Joan Luxton (the Australian actress of the Children's Theatre) Joan Miller, the Canadian actress, musicians from the London streets, and J. C. Cannell of "In Town To-night" fame. Santa Claus himself will appear in a jolly sketch towards the end of the evening.

The times of transmission of "The More We Are Together" are as follows:—

Transmission 1—	Wednesday,	December 25,	at 9-25 a.m. G.M.T.
"	2—	Friday,	December 27, at 12-15 p.m. G.M.T.
"	3—	Thursday,	December 26, at 2-0 p.m. G.M.T.
"	5—	Tuesday,	December 24, at 11-0 p.m. G.M.T.
"	6—	Friday,	December 27, at 3-0 a.m. G.M.T.

#### "A CHRISTMAS CAROL".

##### Transmission 4.

All listeners to Transmission 4 of the B.B.C. Empire programmes should hear "A Christmas Carol", an ambitious, full-blooded, dramatic version of the famous story by Charles Dickens, which will be broadcast on Thursday, December 26, at 8.30 p.m. G.M.T., with Robert Loraine in the part of Scrooge. Max Kester, who is responsible for the adaptation, writes:—

"Dickens and Christmas. It is impossible to avoid noticing time and time again in Dickens' books his affection for family life, and this affection reaches its height at Christmas time. The family re-union around the family fireside reaches its apotheosis in Dickens's descriptions of Christmas festivities:

"One cannot but feel a pang of regret at the passing of the Dickens Christmas. But there remains this comforting thought, that radio—the great home entertainer—is bringing Christmas back to our hearths and firesides.

"So I am hoping that the broadcast of "A Christmas Carol" will prove a joyful climax to the happy celebration of Christmas 1935.

"When I was asked to undertake the radio adaptation of "A Christmas Carol", I was at the same time delighted and timorous. Delighted because it has been my firm conviction that the glowing warmth and humanity of Dickens cries out for radio treatment. "A Christmas Carol" is to my mind the ideal subject for the festive season.

"Alterations and additions to Dickens's original dialogue have, of course, been necessary. But Dickens-lovers need have no fear that the essence of the great novelist will be lost in a welter of modern production. And as Scrooge, Fezziwig, Bob Cratchit, and Tiny Tim speak to you in their homes, I hope that their voices will have the true Dickens ring, with the great-hearted laughter, the lovable tenderness, the smiles and tears, which only those who honour Christmas in their hearts and strive to keep it all the year, can love and understand."

#### EMPIRE ARTISTS.

The following Empire artists will be heard in the programmes during the week December 22-28:—

*Australian*:—Miriam B. Hyde, pianoforte, (Transmission 5, December 27, 11.0 p.m.). Joan Luxton (in "The More We Are Together") (Transmission 1, December 25, 9.25 a.m.):—

*South African*:—Joyce Kadish, pianoforte, (Transmission 4, December 2, 8.45 p.m.). Walter Delmar, baritone, (Transmission 5, December 27, 11.0 p.m.).

*New Zealander*:—Robert Geddes, baritone, (Transmission 1, December 26, 8.30 a.m.):—

*Canadians*:—Joan Miller (in "The More We Are Together") (Transmission 5, December 24, 11.0 p.m.; Transmission 6, December 27, 3.0 a.m.) Molly Mooney, soprano, (Transmission 5, December 27, 11.0 p.m.).

#### A PICKWICK CENTENARY PROGRAMME

Transmission 4—(Thursday, January 2, at 6-15 p.m. G.M.T.)

When "The Posthumous Papers of the Pickwick Club" first appeared the "Quarterly", a well-known magazine of the period, grudgingly admitted their temporary popularity, was certain that their author would be speedily forgotten. "It requires no gift of prophecy to foretell his fate; he has risen like a rocket and he will come down like the stick". One answer to that somewhat rash statement is furnished by the fact that a programme in honour of the centenary of the first publication of Pickwick is being broadcast, and it is no more necessary to say who Pickwick was than to explain who Queen Victoria was.

There is no doubt that the popularity of Pickwick was enormously enhanced by the delightful drawings of Hablot K. Browne, better known as "Phiz", but the text has long survived the illustrations. It is interesting to recall that an unknown youth named Thackeray asked Dickens if he could illustrate Pickwick, but happily Dickens preferred "Phiz". It would have been a tragedy of ironic circumstance if the future author of "Vanity Fair" had become a second-rate illustrator of another man's creations.

Pickwick is said to have caused more wholesome laughter than any other book. It was subjected to the rigours of the Antarctic when Scott was ice-bound there; someone read to the ship's company the immortal episode beginning "And now," said Wardle, "what say you to an hour on the ice?" Listeners to the reconstruction of Captain Scott's last journey, which was recently broadcast, will remember the hoarse shout of laughter with which the almost frozen crew greeted this remark.

The story of Pickwick as he really lived will be told by a narrator and the various episodes dramatised. The programme will begin at a party where the noise of clinking glasses as toasts are drunk mingles with sounds of general merriment. The guests will include Sam Weller, Jingle and the other associates of Pickwick. After the party various facts regarding the Pickwick Papers will be related and the programme will conclude by leaving Pickwick where he would like to be—in the company of his friends at the party.

V. C. Clinton-Baddeley, an authority on Pickwick, has drafted the scenario and clothed this programme with the correct Dickensian atmosphere which surrounded Mr. Pickwick. The B.B.C. has already been responsible for some delightful Pickwickian programmes, such as "Bardell v. Pickwick", and it is intended that this centenary programme shall be a "high spot" in actuality broadcasts.

#### THE WESTERN BROTHERS

Transmission 5—(December 26, 27, 12-30 a.m. G.M.T.)

Kenneth and George Western need no introduction to British listeners for they have long been one of the most popular of radio variety teams, famous wherever Old School Ties are worn.

Here is how they describe themselves:—

"Good evening cads! We are, of course, the Greatest Cads of all Time! We are the inspiration of every Smith Minor, budding explorer, yeoman farmer, sea dog, land lubber, tea planter, and gentleman of independent means. Ranking as the rankest of rank outsiders, we deceive you at the outset: We are not brothers at all—we are cousins. As cousins we are twice removed—on each occasion forcibly. Our colours are egg, green, and egg, and here follows the information the whole Empire has so eagerly awaited. We were not at Eton,

Winchester, Maidstone Remand Home, Harrow, Reading Gaol, Rugby, or Pimlico Woodwork Centre. We were educated privately in a small self-contained flat with hot and cold water. We were finished abroad, or very nearly, and shall always remember the many kindnesses of the monks in the old monastery at Pzemtpcke, which is half way down the Polish Corridor. No, we were never called upon to clean the Steppes. Having told you so much we shall immediately retire and resume our normal position behind two pieces of pewter at an old-world hostelry."

The B.B.C. announces that under present arrangements His Majesty the King will on Christmas Day at 3-0 p.m. G.M.T. broadcast a message to the Empire from Sandringham for the fourth year in succession. His Majesty's message will be preceded by a composite programme, to which each Dominion and India will contribute, entitled "This Great Family". His Majesty will be introduced to listeners by a child speaking from New Zealand. Recordings of His Majesty's address will be broadcast in other Empire transmissions following the programme entitled "This Great Family" at times previously announced.

The following alterations to the normal frequencies employed in Transmissions 2 and 3 have been arranged for Christmas Day, December 25. In Transmission 2 GSG will be beamed North and South in order to provide for the reception in Africa of the special Christmas Morning Service, which is to be relayed from Leicester Cathedral. GSF will, as usual, be beamed East and West in order to favour reception in India, the Far East, and parts of Australia.

In Transmission 3, GSG will be beamed East and West to allow for the reception of the special Christmas Day programme and the message by His Majesty the King in the West Indies, Canada, British Guiana, and the U.S.A.; GSF will be beamed North and South in order to permit reception in Africa, and GSD will be beamed East and West for the benefit of listeners in India, the Far East, and, possibly, Australia and New Zealand.

**NEW YEAR'S EVE PROGRAMMES.**

**"A Good New Year to One and All"**

*Transmissions 1, 3 and 6.*

If ever there was a time when all share the same expectation, take the same look backward and the same look forward, and wish the same, the only wish—that time is New Year's Eve. All that a moment ago was "present" becomes "past" and all join hands on the verge of the future.

On New Year's Eve, 1935, the B.B.C. will convey messages of goodwill from all parts of the British Isles to those overseas. The birth of the year is a time for memories, so an effort will be made to try to revive memories of people and places long since forgotten. Songs and laughter, music and pealing bells will form the background of a programme which the B.B.C. producers have called "A Good New Year to One and All."

This programme may be heard at the following times:—

- Transmission 1—Wed. Jan. 1, at 8-30 a.m. G.M.T.
- " 3—Tues. Dec. 31, at 3-30 p.m. G.M.T.
- " 6—Wed. Jan. 1, at 2-0 a.m. G.M.T.

**"CHIMES AT MIDNIGHT"**

*Transmission 5—(Tuesday, December 31, at 11-0 p.m. G.M.T.)*

For years past it has been usual on New Year's Eve for the B.B.C. to broadcast a retrospect of the previous twelve months. On December 31, however, a new experiment will be attempted when a programme entitled "Chimes at Midnight" will be broadcast. It will be directed mainly to the "stay-at-home" listener who prefers the quiet of his fireside or a corner of the verandah to the boisterous merry-making of his fellows.

The programme will start with selections of prose, poetry, and music, suitable for the last hour of the year. These will be followed by a Watchnight Service from St. Paul's Cathedral, London. When Big Ben has sounded midnight, the programme will turn to actuality shots of New Year scenes in London, Berwick-on-Tweed, and Edinburgh.

Although "Chimes at Midnight" displaces a time honoured feature of B.B.C. programmes, it is not intended that the year in retrospect shall be forgotten. On January 12, in Transmission 4, Laurence Gilliam will produce "Retrospect", which will, in fact, be a postscript to "Chimes at Midnight".

**PROMENADE CONCERT.**

WINTER SEASON.

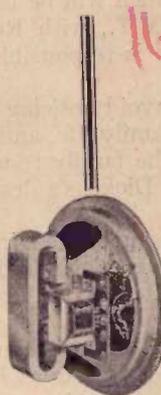
*Transmission 4.*

A short winter season of Promenade Concerts will open on Monday, December 30, and continue to Saturday, January 11. Excerpts from most of the concerts will be relayed in the B.B.C. Empire programmes in Transmission 4. Sir Henry Wood will as usual conduct the whole series. He will have under him the B.B.C. Orchestra of 90 players.

The opening concert of the season, an excerpt from which will be broadcast at 8-0 p.m. G.M.T., will include music by Berlioz, Mozart, Bach, and Rachmaninov, with Solomon, pianoforte, as soloist. The soloists during the remainder of the week will be on January 1, at 10-0 p.m. G.M.T., Rubinstein, pianoforte; on January 2, at 9-55 p.m. G.M.T., Helen Perkin, pianoforte; on January 3, at 8-0 p.m. G.M.T., Clifford Curzon, pianoforte.

Three Empire artists are taking part in the concerts during the season but it will only be possible to broadcast the performance of one of them in the Empire transmissions. They are Eileen Joyce, Australian pianist, Peter Dawson, Australian bass, and Bruno Raikin, South African pianist. Bruno Raikin is one of four pianists playing Bach's Concerto in A minor for four pianofortes and strings, which will be broadcast on January 8.

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# Bombay

VUB 350.9 metres 855 kc/s.  
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**We wish all our Listeners a  
Happy and Prosperous  
New Year.**

10-30 a.m. Bai Sunderabai

In Popular Songs.  
With Sarangi, Harmonium and Tabla.



Bai Sunderabai.

- 12-0 noon. Marek Weber and His Orchestra (H.M.V.)  
12-46 p.m. All India XI vs. The Maharajahdiraj of Patiala's Australian XI.  
Commentary by MR. BERTIE MEYER.  
(Relayed from the Eden Garden, Calcutta.)  
1-10 p.m. Close down.  
5-30 p.m. Relay of Music from Regal Cinema—  
The Theatre Magnificent.  
(By kind permission of the Management.)  
6-30 p.m. Light Music,  
By SHREEPANT BALKRISHNA SHASTRI of Dhulia.  
7-15 p.m. "Exposition of Gatha."  
(In Gujerati).  
By Mrs. FRENY CAMA.  
7-30 p.m. Sarode Solos.  
By MASTER BUDHI BHADRA.  
7-50 p.m. News in Hindi.  
8-0 p.m. Light Classical Music.  
SB By KHAN SAHEB VILAYAT HUSSEIN KHAN.  
With Sarangi, Harmonium and Tabla.  
8-30 p.m. to  
9-30 p.m. News in English.  
9-45 p.m. The Week's Sport.  
By A. G. A. NORMAN.  
10-0 p.m. The Life of Verdi.  
A Biography in Music. (H.M.V.)  
GIUSEPPE VERDI, (1813-1901), may aptly be called the "King of Italian Opera." He had a rare gift for passionate expression. He was not like his great contemporary, Wagner, one of the World's greatest revolutionists. His lay, not in overturning systems genius and in exploring the paths hitherto untrodden, but in developing existing materials to the highest conceivable pitch of beauty and completeness. His music has nothing to do with theories, it is the voice of nature speaking in the idiom of art.  
11-0 p.m. GOD SAVE THE KING-EMPEROR.

# Calcutta

VUC 370.4 metres 810 kc/s. 49.10 metres 6.109 kc/s.

- 1-0 p.m. New year Greetings  
SB From Calcutta Station.  
Orchestral Concert—  
By The Grand Hotel Dance Orchestra.  
(Relayed from the Palm Court of The Grand Hotel)  
1-10 p.m. "All India vs. Australian XI"—Cricket Scores.  
SB Lunch Time Scores and Commentary.  
1-20 p.m. Musical Selections from the Studio.  
SB Calcutta Weather Bulletin for Oceancraft and Rivercraft (if any).  
2-0 p.m. New Year Greetings.  
2-05 p.m. Musical Selections (Recorded).  
2-30 p.m. Panchali by GOUR MOHAN MUKERJEE.  
3-0 p.m. Kathakata by AMULYA K. BHATTACHARYA.  
3-30 p.m. Time Signal.  
Close down.  
4-45 p.m. Time Signal.  
SB Commentary on the "All India vs. Australia XI." Cricket Match, by BEYER MERTIE. Relayed from the Eden Gardens.  
5-0 p.m. Time Signal.  
Close down.  
6-0 p.m. Time Signal.  
A Classical Programme :—  
6-15 p.m. GOPAL CHANDRA MUKHERJEE—Dhrupad.  
6-15 p.m. NALIN CHANDRA MALAKAR—Kheyal.  
6-30 p.m. KASHI NATH CHATTERJEE—Kheyal.  
6-50 p.m. MANJU SHAHIB—Kheyal.  
7-05 p.m. KALIPADA PATHAK—Toppa.  
7-25 p.m. MANJU SHAHIB—Thungri.  
7-40 p.m. Light Bengali Songs.  
JATADHAR PYNE.  
7-50 p.m. KALOBARAN MUKHERJEE.  
8-0 p.m. Instrumental Music.  
MASTER CHAMMU MISRA—Sarangee.  
8-15 p.m. Weather Forecast, 1st News Bulletin, Market Prices, Jute and Gunny Closing Rates (In English).  
SB  
8-30 p.m. An Empire Programme from Daventry.  
9-15 p.m. Weather Forecast, General News Bulletin, Market Prices, Jute and Gunny Closing Rates (In Bengali).  
SB  
9-30 p.m. Instrumental Music.  
Betar Orchestra under the direction of T. N. DEY.  
9-40 p.m. Vocal Music (Bengali).  
MISS PROVABATY.  
9-50 p.m. Instrumental Music.  
BETAR ORCHESTRA.  
10-0 p.m. Vocal Music (Bengali).  
MISS PROVABATY.  
10-10 p.m. Mystery by X.  
10-30 p.m. 2nd News Bulletin in English.  
SB  
10-45 p.m. GOD SAVE THE KING-EMPEROR.  
Time Signal.  
Close down.

# Delhi

VDU 340.136 metres. 882 kc/s.

- A HAPPY NEW YEAR.**  
6-0 p.m. Time Signal.  
A Selection.—By the I.B.S. Orchestra.  
(Conducted by S. S. NIAZI).  
6-15 p.m. Master FAQIRUDDIN—Ghazals.  
7-0 p.m. A Solo on Dulcitone.  
By Mr. SAJJAD Sarwar of Mianwali.

- 7-30 p.m. A Hindustani Farce—"Tarang" by the I.B.S. Actors.  
(Directed by K. M. IFTIKHARULLAH).  
7-45 p.m. A Classical Concert.  
By MAJIDAN BAI of Delhi.  
(Majidan Bai will entertain you by Khayal Kidara Thumri, Ghazals and Dadra.)  
9-15 p.m. News in Hindustani.  
9-30 p.m. Time Signal.  
News in English.  
9-45 p.m. Parade of 1935.  
Dr. T. G. P. SPEAR, M.A., Ph.D.  
Dr. T. G. P. Spear is lecturer in History at St. Stephen's College, Delhi and Head of the History Department, Delhi University. He is also the author of 'The Nabobs' a study of English social life in India in the eighteenth century which is published by the Oxford University Press. This evening he takes a glance back over the events of the past year.  
10-0 p.m. Josef Weingast and his Orchestra.  
(By kind permission of the Management of the Hotel Marina, New Delhi).  
1. OVERTURE -The Savojaards. Binder-Offenbach  
2. FANTASIE -The Gipsy-baron - J. Strauss.  
3. WALTZ -Girls of Baden - K. Komzak.  
4. POTPOURRI -Hungaria - B. Leopold.  
5. Serenade in E - Josef Weingast  
(Violin Solo by Herr Bajtek.)  
6. MARCH -Castaldo - A. Novacek.  
11-0 p.m. Close down.

# B. B. C.

## TRANSMISSION 1.

GSF 15,140. kc/s (19.82 m.), GSB 9,510 kc/s (31.55 m.).

8-30 a.m. Big Ben. "A Good New Year to One and All."\*

Greetings from the British Isles to those overseas. A programme devised and presented by William MacLurg. The B.B.C. Empire Orchestra; leader, Daniel Melsa; and a section of the B.B.C. Chorus, under the direction of Eric Fogs.

Greenwich Time Signal at 9-30 a.m.

9-30 a.m. A talk by the Director of the Empire Service.

9-45 a.m. A Recital by Laelia Finneberg (Soprano).

In the Silent Night; O Cease thy Singing; How Lonely Here (Rachmaninov). A Child's Prayer (Mussorgsky) The Tryst; Was it a Dream? (Sibelius). Do not Go, my Love (Hageman). Wings of Night (Wintter Watts). Tales from the Vienna Woods (Johann Strauss).

10-15 a.m. The News,

Close down.

## TRANSMISSION 2.

GSC 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.).

11-0 a.m. Big Ben. Cecil Chadwick, at the Organ of the Classic Cinema, Belfast.

Everything's in Rhythm with my Heart (Sigler). Alice Blue Gown (Tierney). I'm in the Mood for Love (McHugh and Fields). March, The Brigadier (Broadhead).

11-15 a.m. The B.B.C. Northern Orchestra; leader, Alfred Barker; conductor, T. H. Morrison.

March, The Passing of the Regiments (arr. Winter Overture, Saul Bazzini). Waltz, Estudiantina (Woldeufel). Suite, Dance Revels: (1) Mazurka (2) Minuet (3) Waltz (Montague Phillips). The Lark in the Clear Air (Hardebeck). Selection, Tonight's the Night (Rubens).

Greenwich Time Signal at 12-0 noon.

12-15 p.m. A talk by the Director of the Empire Service.

12-30 p.m. Charles Manning and his Orchestra, relayed from the Granada, Walthamstow.

1-0 p.m. The News.

1-15 p.m. The B.B.C. Dance Orchestra,\* directed by Henry Hall.

1-45 p.m. Close down.

## TRANSMISSION 3.

Two of the following frequencies will be used:

GSC 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.), GSC 11,860 kc/s (25.29 m.), or GSB 9,510 kc/s (31.55 m.).

2-0 p.m. Big Ben. A Folk Song Recital by Eve Maxwell-Lyte (Soprano) and Basil Parsons (Baritone).

Eve Maxwell-Lyte: The Slender Boy (Welsh) (arr. A. Somervell). If all the Young Maidens (Irish) (arr. M. Graham). The Hebridean Milking Croon (arr. Kennedy Fraser). The Mouses' Wedding (Scottish Nursery Song) (arr. M. Graham). Basil Parsons: Four Old Somerset Folk Songs: Green Broom; Admiral Benbow; The

\*Electrical recording.

†Gramophone records.

Turtle Dove; Bingo (arr. Cecil Sharp). Eve Maxwell-Lyte: Black is the Colour (Appalachian); Kind Fortune (Newfoundland); Dance to your Daddy (Berkshire); Bridgwater Fair (Somerset) (arr. Cecil Sharp). Basil Parsons: The Mummers' Carol (Sussex (arr. Lidgely), The Poacher (Lincolnshire) (arr. Ernest Newton), Poor Old Horse (Warwickshire); Drink Old England Dry (Worcestershire) (arr. Cecil Sharp).

2-35 p.m. A talk by the Director of the Empire Service.

2-50 p.m. A Recital by Cecil Dixon (Pianoforte).

Study in A flat, Op. 25, No. 1; Study in G flat, Op. 25, No. 9; Study in E, Op. 10, No. 3; Nocturne in C minor, Op. 48, No. 1; Nocturne in F, Op. 15, No. 1; Ecosaise in D, Ecosaise in D flat, Op. 72, No. 3 (Chopin).

3-15 p.m. The Bournemouth Municipal Orchestra; leader, Bertram Lewis; conducted by Richard Austin and W. H. Reed. Solo Pianoforte, Mark Hambourg. Relayed from the Pavilion, Bournemouth.

Symphony in D minor: Lento. Allegro non troppo; Allegretto; Allegro non troppo (Franck). The Lincoln Imp (conducted by the composer) (W. H. Reed). Wanderer-Fantasy for Pianoforte and Orchestra: Allegro con fuoco; Adagio; Presto; Allegro (Soloist, Mark Hambourg (Scubert-Liszt).

Greenwich Time Signal at 4-30 p.m.

4-35 p.m. The News.

4-50 p.m. Jan Berenska and his Orchestra, relayed from the Pump Room, Leamington Spa.

Selection, The Desert Song (Romberg). Minuet in A (Boccherini).

5-0 p.m. Close down.

TRANSMISSION 4.

PART I.

5-15 p.m. Big Ben. The Alphas, presented by Frank Stewart.

On Treasure Island (Joe Burke, arr. Guy Fletcher). Fiddle Dance (Fletcher). Love's Garden of Roses (Hayden Wood, arr. Hampton-Smith). Animal Crackers in my Soup (Ray Henderson, arr. Frank Stewart). The Farmer's Boy (Traditional, arr. David Bor). You're the Picture (Golden). I've Got a Feelin' you're Foolin' (N. H. Brown). Ah, Sweet Mystery of Life (Victor Herbert). Camptown Races (Traditional, arr. F. Jackson). Sympathy (Tolchard Evans, arr. Griffiths). Un peu d'amour (A Little Love) (Lao Silesu, arr. Frank Stewart). One Night in Chinatown (Leon Towers, arr. Richardson). The Ragtime Bass Player (Lotter). Sanctuary of the Heart (Ketelbey).

6-0 p.m. The News.

6-15 p.m. Variety.

6-30 p.m. The B.B.C. Orchestra (Section C), conducted by Clarence Raybould. Kate Winter (Soprano).

Orchestra: A Children's Overture (Quilter). Aria with Orchestra: The Waltz Song (Solo Soprano, Kate Winter) (Tom Jones) (Edward German). Orchestra: Balles Suite, Coppelia: (1) Festal Dance and Waltz of the Hour (2) Nocturne (3) Automaton's Music and Waltz (4) Czardas (Delibes). Aria with Orchestra: Micaela's Song (Carmen) (Solo Soprano, Kate Winter) (Bizet). Orchestra: Waltz, Dorfschwalben aus Osterreich (Swallows in an Austrian Village) (Josef Strauss).

Greenwich Time Signal at 7-0 p.m.

7-20 p.m. Prose Reading.

7-30 p.m. The B.B.C. Dance Orchestra, directed by Henry Hall.

8-15 p.m. A talk by the Director of the Empire Service.

8-30 p.m. Old Time Ballad Concert.

9-15 p.m. Close down.

PART II.

9-30 p.m. A talk by the Director of the Empire Service.

9-45 p.m. The News.

Greenwich Time Signal at 10-0 p.m.

10-0 p.m. Promenade Concert. Part 2. Relayed from the Queen's Hall, London. (Sole Lessees, Messrs. Chappell and Co., Ltd.) Solo Pianoforte Rubinstein. The B.B.C. Symphony Orchestra (Principal Violin, Marie Wilson), conducted by Sir Henry J. Wood.

St. Paul's Suite for Strings: (1) Jig (2) Ostinato (3) Intermezzo (4) Finale (Holst). Pianoforte Solos: Prelude in A minor (Debussy). Dance russe from Petrouchka (Solo Pianoforte, Rubinstein) (Stravinsky) Overture, The Wasp (Vaughan Williams).

10-35 p.m. Violin Recital.†

10-45 p.m. Close down.

TRANSMISSION 5.

11-0 p.m. Big Ben. A Recital by Laelia Finneberg (Soprano).

In the Silent Night; O, Cease thy Singing; How Lonely Here (Rachmaninov). A Child's Prayer (Mussorgsky). The Tryst; Was it a Dream (Sibelius). Do not Go, my Love (Hageman). Wings of Night (Winter Watts). Tales from the Vienna Woods (Johann Strauss).

11-30 p.m. A talk by the Director of the Empire Service.

11-45 p.m. Mixed Pickles—7th Edition.

A sketch, stunt, and song show—bottled by Cecil Madden  
Greenwich Time Signal at 12-0 midnight.

12-30 a.m. British Dance Music.†

12-45 a.m. The News.

1-0 a.m. Close down.

TRANSMISSION 6.

3-0 a.m. Big Ben. "A Good New Year to One and All."\*

Greetings from the British Isles to those overseas. A programme devised and presented by William MacLurg. The B.B.C. Empire Orchestra; leader, Daniel Melsa; and a section of the B.B.C. Chorus, under the direction of Eric Fogg.

Greenwich Time Signal at 3-30 a.m.

4-0 a.m. The News.

4-15 a.m. Close down.

German

SOUTH ASIA

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31.38 Metres.	6-30—8-15	11-00—12-45
DJQ—19.63 "		
DJN—31.45 "		
DJB—19.74 "	9-45—13-15	14-15—17-45
DJN—31.45 "		
DJN—31.45 "	14-00—17-30	18-30—22-00
DJA—31.38 "	6-30—8-15 Musical Entertainment and News.	
DJN—31.45 "		
DJQ—19.63 "		

Berlin Time.

9-45 Call DJB, DJN (German, English) German Folk Song. Programme Forecast (Germ., Engl.) Letter-Box.

10-00 At the Turn of the Year.

10-30 News in English.

10-45 Brass Band.

11-45 News in German.

12-00 Concert of Light Music.

13-00 News in English.

13-15 Close DJB, DJN (Germ., Engl.).

EAST ASIA.

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31.38 Metres.	6-30—8-15	11-00—12-45
DJQ—19.63 "		
DJA—31.38 "	7-00—7-15	11-30—11-45
DJN—31.45 "	8-00—8-15	12-30—12-45
DJN—31.45 "	14-00—17-30	18-30—22-00
DJN—31.45 "	6-30—8-15	11-00—12-45
DJN—31.45 "	14-00—17-30	18-30—22-00
14-00 DJA, DJN Announcement (Germ., Engl.), German Folk Song. Programme Forecast (Germ., Engl.), Letter Box.		
14-15 "Again falls Eventide." Singing by the Hugo Kaun Quartet.		
14-45 News in English on DJA and in Dutch on DJN.		
15-00 "In a Brook so Bright and Sparkling." Agnes v. Spazler sings Songs by Schubert.		
15-15 Brass Band.		
16-15 News in German on DJN and DJA.		
16-30 Today in Germany. Sound Pictures.		
16-45 At the Turn of the Year.		
17-15 News in English on DJA and in Dutch on DJN.		
17-30 Close DJA, DJN (Germ., Engl.).		

\* Electrical recording.

† Gramophone records.

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# Bombay

VUB 350.9 metres 855 kc/s.

- 12-0 noon. Selection of Indian Music.
- 12-46 p.m. **All India XI vs. The Maharajadhiraj of Patiala's Australian XI.**  
Commentary by Mr. BERTIE MEYER.  
(Relayed from the Eden Garden, Calcutta.)
- 1-01 p.m. Available Market Rates.  
Selections from Gilbert and Sullivan.
- 2-0 p.m. *Close down.*
- 5-30 p.m. *Cricket - Calcutta*  
Relay of Music from Capitol Cinema.  
(By kind permission of the Management.)
- 6-30 p.m. **Gujerati Songs.**  
By TRICAMLAL PRAGJI BALSARA.
- 7-0 p.m. **Commercial News.**
- 7-15 p.m. **Music Lessons.**  
By Prof. B. R. DEODHAR, B.A.

- 1-20 p.m. **The "Cosmo Trio."**  
SB Calcutta Weather Bulletin for Océanraft and Rivercraft (if any).
- 2-0 p.m. **Recorded Selections.**
- 2-30 p.m. Talk on Vaishnava Literature by Pt. HAREKRISHNA SAHITYARATNA.
- 3-0 p.m. Talk by BISHNU SARMA—"What the Vidyasagar did for the Emancipation of Indian Women."
- 3-30 p.m. *Time Signal.*  
*Close down.*
- 4-45 p.m. *Time Signal.*  
SB **Commentary on the "All-India vs. Australian XI"**—Cricket Match. By BERTIE MEYER.  
Relayed from the Eden Gardens.
- 5-0 p.m. *Time Signal.*  
*Close down.*
- 6-0 p.m. *Time Signal.*  
**Vocal Music—(Bengali).**  
By SAILENDRA NATH ROY.
- 6-10 p.m. **Village Welfare Broadcast.**  
By NRIPEN CHATTERJEE—"What the Last Year Meant for Us."
- 6-30 p.m. **Vocal Music—(Bengali).**  
Sreematy ASHALATA ROY.  
Sreematy KAMALA ROY.  
Kumari NIBHARANI SEN  
Sreematy UTTARA DEVI.  
Sreematy SATI DEVI.
- 8-15 p.m. Weather Forecast, 1st News Bulletin, Market Prices, Jute and Gunny Closing Rates. (In English.)
- 8-30 p.m. **Vocal Music (Bengali)—Modern.**  
DHIRENDRA NATH DAS.
- 8-45 p.m. SURESH CHANDRA CHAKRAVARTY.
- 9-0 p.m. **Instrumental Music**  
N. N. MAZUMDAR—Clarinet Solo.
- 9-15 p.m. Weather Forecast, General News Bulletin, Market Prices, Jute and Gunny Closing Rates. (In Bengali.)
- 9-30 p.m. **A Light Vaudeville Studio Concert**  
SB *featuring:—*  
GLADYS BURTON - - - Syncopated Pianist.  
CHARLES BAXTER - - - Banjoist.  
TONY AND JACK - - - Humorous Entertainers.
- 10-30 p.m. 2nd News Bulletin. (In English.)
- 10-45 p.m. **Musical Selections from the Studio.**  
SB (Recorded).
- 11-0 p.m. GOD SAVE THE KING-EMPEROR.  
*Time Signal.*  
*Close down.*

- 8-50 p.m. **Jaltarang Solo.** By KARRAR HUSSAIN of Delhi.
- 9-0 p.m. **Song.** Miss NAWAB JAN—(Dadra).
- 9-10 p.m. **I.B.S. Orchestra—Final.**
- 9-15 p.m. **News in Hindustani.**
- 9-30 p.m. *Time Signal.*
- News in English.**
- 9-45 p.m. **New Year Resolutions.**  
Capt. W. E. MAXWELL, C.I.E.  
Everyone makes New Year resolutions but only to break them. But we have no doubt that Captain Maxwell will offer the worst possible advice to listeners for their resolutions in 1936.
- 10-0 p.m. A Relay from St. James' Church, Delhi.  
(By kind permission of the authorities).  
**An Organ Recital** By Mr. F. C. COLLINS.  
PRELUDE IN G - - - - - Bach.  
AVE MARIA - - - - - Bach-Gounod.  
HEBREW MELODIES - - - - - Adapted from the Fantasia by Max Bruch.  
PANIS ANGELICUS - - - - - Cesar Franck  
MOMENT MUSICALE - - - - - Schubert  
SONATA IN F - - - - - Mendelssohn
- 11-0 p.m. *Close down.*



Prof. B. R. Deodhar, B.A.

Principal, School of Indian Music.  
*Introductory.*—A short sketch of the history of Indian music. Different stages of development up to Moghal period.

- 7-30 p.m. **Flute Solos.**
- 7-50 p.m. **News in Hindi.**
- 8-0 p.m. **Light Classical Music.**  
By BAI VASTALABAI KUMTEKAR  
With Harmonium and Tabla.
- 9-30 p.m. **News in English.**
- 9-45 p.m. **"The English Character."**  
By The Rt. Hon. STANLEY BALDWIN, M.P.  
(A B.B.C. Recorded Programme).
- 10-0 p.m. **Dance Music.**
- 11-0 p.m. GOD SAVE THE KING-EMPEROR.

# Calcutta

VUC 370.4 metres 810 kc/s. 49.10 metres 6,109 kc/s.

- 1-0 p.m. *Time Signal.*  
SB **The "Cosmo Trio."**  
A Light Studio Orchestral Programme.  
Under the direction of R. LAURANCE-DUVAL.
- 1-10 p.m. **"All-India vs. Australian XI"**—Cricket Scores  
SB Lunch Time Scores and Commentary.

# Delhi

VUD 340.136 metres. 882 kc/s.

- 6-0 p.m. *Time Signal.*  
**Popular Concert** by I.B.S. Orchestra.  
(Under S. S. NIAZI.)
- 6-10 p.m. Miss Zuhra Jan of Ambala will give a Programme of Classical Music.
- 6-30 p.m. **Sarangi Solo.**
- 6-40 p.m. **Light Music.** By B. S. RAWAT of Simla.
- 7-0 p.m. **Another Orchestral Selection** by the I.B.S. Orchestra.
- 7-10 p.m. **Light Music.** Miss NAWAB JAN of Ambala.  
(A novelty turn will be introduced during this broadcast).
- 7-30 p.m. Mr. ISHRAT RAHMANI of "The Nairangistan." Will broadcast a Short Story. (In Hindustani).
- 7-45 p.m. Miss ZOHRA JAN will sing Marriage Songs.
- 8-35 p.m. **More Songs.** By Mr. B. S. RAWAT.

## B. B. C.

### TRANSMISSION 1.

GSF 15,140 kc/s (19.82 m.), GSB 9,510 kc/s (31.55 m.)

- 8-30 a.m. **Big Ben. The B.B.C. Empire Orchestra ; leader, Daniel Melsa ; conductor, Eric Fogg.**  
March, Soldiers of the Fleet (Margaret Bell). Overture, The Breton Knight (Hermann). Suite, Pastorale : (1) When the Hawthorn Blooms (2) Intermezzo—Poppies and Cornflowers (3) Canzonetta—The Autumn Moon (4) Holly and Mistletoe (Ansell). Scherzo, Op. 16, No. 2 (Mendelssohn, arr. Langey). Selection, The Passing Show of 1915 (Finck).
- 9-15 a.m. **"Education by Correspondence in Australia." \* A talk by Linda Littlejohn.**  
*Greenwich Time Signal at 9-30 a.m.*
- 9-30 a.m. **"Looking Forwards."**  
A survey of 1936 as it looks before it happens. Devised by John Pudney.
- 10-15 a.m. **The News.**
- 10-30 a.m. *Close down.*

### TRANSMISSION 2.

GSG 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.)

- 11-0 a.m. **Big Ben. The Bath Pump Room Orchestra ; leader, J. Andrew Cooper ; conductor, Frank Gomez. Relayed from the Pump Room Bath.**  
Waltz, Pester (Lanner). Selection, The Rose Cavalier (Richard Strauss). Pieces for Strings : Serenade (Enzolini) ; Spanish Serenade (Eilenberg). Her First Dance (Heykens). The Dancing Clock (Ewing). Selection, Sullivan Melodies (arr. D. Godfrey).
- 11-45 a.m. **An Organ Recital by Albert Taylor, relayed from first Presbyterian Church, Rosemary Street, Belfast.**  
Sketch in F minor (Schumann). Meditation : Toccata (D'Evry). National Song (Grieg). The Optimist (Maitland). Nocturne in E flat (Chopin, arr. Taylor). Chanson triste (Tchaikovsky, arr. Wolstenholme). Song without words (Bonnet). Scherzo (Symphony in D) (Widor).  
*Greenwich Time Signal at 12-0 noon.*
- 12-30 p.m. **Reading from Dickens by V. C. Clinton-Baddeley.**
- 12-45 p.m. **A Recital by Gigli (Tenor).†**
- 1-0 p.m. **The News.**
- 1-15 p.m. **Geiger and his Orchestra, relayed from Claridge's Hotel, London.**
- 1-45 p.m. *Close down.*

\* Electrical recording. † Gramophone records.

TRANSMISSION 3.

Two of the following frequencies will be used :-

GSC 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.),  
GSE 11,860 kc/s (25.29 m.), or GSB 9,510 kc/s (31.55 m.).

2-0 p.m. **Big Ben. The Imperial Hotel Orchestra, directed by Russell Smythe. Relayed from the Imperial Hotel, Blackpool.**

Selection, Show Boat (Kern). Minuet (Boccherini). The Bells of St. Mary's (Adams). Xylophone Solo, Two Imps (Soloist, Leslie F. Taylor) (Alford). Waltz Memories (arr. Debroy Somers). Pizzi Puzzi (Krome). The Song of Songs (Moya). Pianoforte Solo, There's no One else but You (Soloist, Cyril Smethurst) (Latham).

2-45 p.m. "Under Big Ben."

A talk by Howard Marshall.

3-0 p.m. **Evensong, relayed from Westminster Abbey, London.**

3-50 p.m. **Chamber Music.†**

The Virtuoso String Quartet with John Cockerill (Harp), Robert Murchie (Flute), and Charles Draper (Clarinet); Introduction and Allegro for Harp, Strings, and Wood-wind (Ravel). Olive Bloom (Pianoforte), Spencer Dyke (Violin), Bernard Shore (Viola), and B. Patterson-Parker (Violoncello); Quartet in C minor, Op. 60; (1) Allegro non troppo (2) Scherzo—Allegro (3) Andante (4) Finale—Allegro commodo (Brahms).

Greenwich Time Signal at 4-30 p.m.

4-30 p.m. **The News.**

4-45 p.m. **An Organ Recital by Ernest W. Maynard, relayed from Bath Abbey.**

A Trumpet Minuet (Hollins). Cloister—Garth (Brewer). Introduction and Allegro (Sonata in D minor) (Guilmant).

5-0 p.m. **Close down.**

TRANSMISSION 4.

Part I. Two or three of the following frequencies will be used :-

GSI 15,260 kc/s (19.66 m.), GSD 11,750 kc/s (25.53 m.),  
GSB 9,510 kc/s (31.55 m.), GSL 6,110 kc/s (49.10 m.).

Part II. Two of the following frequencies will be used :-

GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
GSA 6,050 kc/s (49.59 m.).

PART I.

5-15 p.m. **Big Ben. The B.B.C. Dance Orchestra, directed by Henry Hall.**

6-0 p.m. **The News.**

6-15 p.m. "Looking Forwards." \*

A survey of 1936 as it looks before it happens. Devised by John Pudney.

Greenwich Time Signal at 7-0 p.m.

7-0 p.m. **A Recital by Tito Schipa (Tenor).†**

Nina—Canzonetta (Pergolesi, arr. Bourdon). A Vucchella (A Little Posy) (Tosti). With Orchestra: Aimant la rose, le rossignol (The Rose Enslaves the Nightingale) (Rimsky-Korsakov).

7-10 p.m. **From the London Theatre.**

7-30 p.m. "The Table Under the Tree."

Written by Wilfrid Rooke Ley, with music played by Walford Hyden and his Orchestra. Produced by A. W. Hanson.

8-15 p.m. "Under Big Ben." \* A talk by Howard Marshall.

8-30 p.m. "Mr. Pickwick's a Hundred Years Old."

A programme in honour of the centenary year of the first publication of The Posthumous Papers of the Pickwick Club. Compiled by V. C. Clinton-Baddeley from the original documents.

9-30 p.m. **Close down.**

PART II.

9-45 p.m. **Chamber Music.†**

The Lener String Quartet: Nocturne (Quartet in D minor) (Borodin).

9-55 p.m. **Promenade Concert. Part II. Relayed from the Queen's Hall, London. (Sole Lessees, Messrs. Chappell and Co., Ltd.) Solo Pianoforte, Helen Perkin. The B.B.C. Symphony Orchestra (Principal Violin, Marie Wilson), conducted by Sir Henry J. Wood.**

Three Dances (The Three-Cornered Hat): (1) The Neighbours (2) The Miller's Dance (3) Final (Falla). Pianoforte Solo, Episode (Solo Pianoforte, Helen Perkin) (Helen Perkin). Marche hongroise (La Damnation de Faust) (Berlioz).

Greenwich Time Signal at 10-0 p.m.

10-25 p.m. **The News.**

10-40 p.m. **Close down.**

TRANSMISSION 5.

Two of the following frequencies will be used :-

GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
GSL 6,110 kc/s (49.10 m.), GSA 6,050 kc/s (49.59 m.).

11-0 p.m. **Big Ben. Joan Luxton's Children's Theatre Company in "Dick Whittington."**

A Christmas pantomime from the Embassy Theatre, London, by Margaret Carter, and additional numbers by Arthur Goulett, with Geoffrey Wincott; Brember Willis; Maud Jolliffe; Elfreda Burgess; Kynaston Reeves; and Peggy Robb Smith at the Cat.

11-30 p.m. **A Beethoven Recital by Cyril Smith (Pianoforte).**

Rondo a Capriccio (Rage on account of a lost penny vented in a caprice). Sonata in C, Op. 53 (The Waldstein); (1) Allegro con brio (2) Introduzione—adagio molto (3) Rondo—Allegretto moderato.

Greenwich Time Signal at 12-0 midnight.

12-0 a.m. "High Spots"—No. 11: Grosvenor House, London. \*

A descriptive commentary from the roof of Grosvenor House, giving a view over Park Lane, Hyde Park, and Mayfair.

12-15 a.m. **A Recital of New Gramophone Records.**

12-45 a.m. **The News.**

1-0 a.m. **Close down.**

TRANSMISSION 6.

Two of the following frequencies will be used :-

GSD 11,750 kc/s (25.53 m.), GSC 9,580 kc/s (31.32 m.),  
GSL 6,110 kc/s (49.10 m.).

3-0 a.m. **Big Ben. "Christmas Cabaret." \***

A sleek, sophisticated, surprise show, with Queenie Leonard and Edward Cooper; Viola Lyel; Jack Clewes, a sketch; Jack Mitchell's Apache Band. Produced by Cecil Madden.

Greenwich Time Signal at 3-30 a.m.

3-45 a.m. **A talk by the Director of the Empire Service.\***

4-0 a.m. **The News.**

4-15 a.m. **Close down.**

\* Electrical recording. † Gramophone records.

German

SOUTH ASIA.

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31.38 Metres.	6-30—8-15	11-00—12-45
DJQ—19.63 "		
DJN—31.45 "		
DJB—19.74 "	9-45—13-15	14-15—17-45
DJN—31.45 "		
DJN—31.45 "	14-00—17-30	18-30—22-00
DJA—31.38 "	6-30—8-15	Musical Entertainment and News
DJN—31.45 "		
DJQ—19.63 "		

Berlin Time.

9-45 **Call DJB, DJN (German, English). German Folk Song. Programme Forecast (Germ., Engl.)**

10-0 **Hitler Youth Programme: A Hitler Youth Celebration.**

10-30 **News in English.**

10-45 "Snowballs." A Merry Hour All in White.

11-45 **News in German.**

12-0 **Concert of Light Music.**

13-0 **News in English.**

13-15 **Close DJB, DJN (Germ., Engl.).**

EAST ASIA.

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31.38 Metres.	6-30—8-15	11-00—12-45
DJQ—19.63 "		
DJN—31.45 "		
DJA—31.38 "	14-00—17-30	18-30—22-00
DJN—31.45 "		
DJN—31.45 "	6-30—8-15	11-00—12-45
DJN—31.45 "	14-00—17-30	18-30—22-00

14-0 **DJA, DJN Announcement (Germ., Engl.). German Folk Song. Programme Forecast (Germ., Engl.).**

14-15 **Hitler Youth Programme. A Hitler Youth Celebration.**

14-45 **News in English on DJA and in Dutch on DJN.**

15-0 **Orchestral Concert. Overture to the Opera by Mozart "The Magic Flute"; "Vogellieder" by Grete von Zieritz; "Musik am Abend" by Paul Graener; Air from "Ariadne auf Naxos" by Richard Strauss; Suite "Burger als Edelmann" by Richard Strauss. Soloist: Gertrud Langguth (Soprano). Conductor: W. Richter-Reichhelm.**

16-15 **News in German on DJA and DJN.**

16-30 **Today in Germany. Sound Pictures.**

16-45 **Sonata in F minor, Op. 120, No. 1 for Clarinet and Piano by Johannes Brahms. Prof. Steinkamp, Prof. Dahlke.**

17-15 **News in English on DJA and in Dutch on DJN.**

17-30 **Close DJA, DJN (Germ., Engl.).**



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# Christmas Greetings

from

## All Over the World

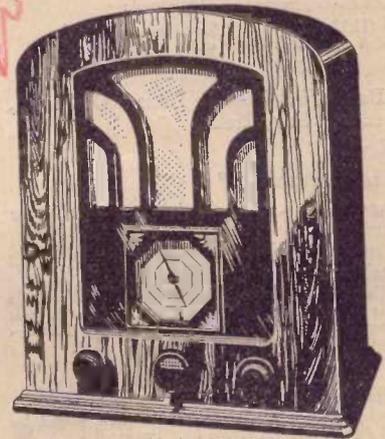


Yule-time is coming!

Christmas bells will ring again all over the world. Special broadcasts are to be prepared everywhere to celebrate those wonderful days.

Don't fail to get your share in this world-wide feast. Don't miss this opportunity of linking yourself up with the joys of peoples far away.

Enjoy a Christmas as never before with a PHILIPS.



MODEL 531U "MULTI-INDUCTANCE" SHORT-WAVE UNIVERSAL RECEIVER, AC/DC.

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### THE KEY TO THE WORLD

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# Bombay

VUB 350.9 metres, 855 kc/s.

- 12-0 noon. Selection of Indian Music.
- 12-46 p.m. **All India XI vs. The Maharajadhiraj of Patiala's Australian XI.**  
Commentary by Mr. BERTIE MEYER.  
(Relayed from the Eden Garden, Calcutta.)
- 1-01 p.m. Available Market Rates.  
A Selection of European Gramophone Records.
- 2-0 p.m. *Close down.*
- 5-30 p.m. *Close Calcutta*
- 6-30 p.m. **Light Music.**  
By BAI SONIBAI MULGAOKAR.
- 7-0 p.m. **Commercial News.**
- 7-15 p.m. **Recitation from Holy Quran.**  
MOULVI GULAM MOHOMED KAMAR will recite  
Soorai. Ali Imran Rukoo II. Sipara III.
- 7-30 p.m. **Sanai Solos.** (Mysore)
- 7-50 p.m. **News in Hindi.**
- 8-0 p.m. **Light Classical Music.**  
By PROF. AMANAT ALLI KHAN.
- 9-30 p.m. **News in English.**

- 9-45 p.m. "Did you Know.?"  
By ARTHUR D. SILAS.
- 10-0 p.m. **The Art Players.**  
Directed by JOSEF BARTHEL.
 

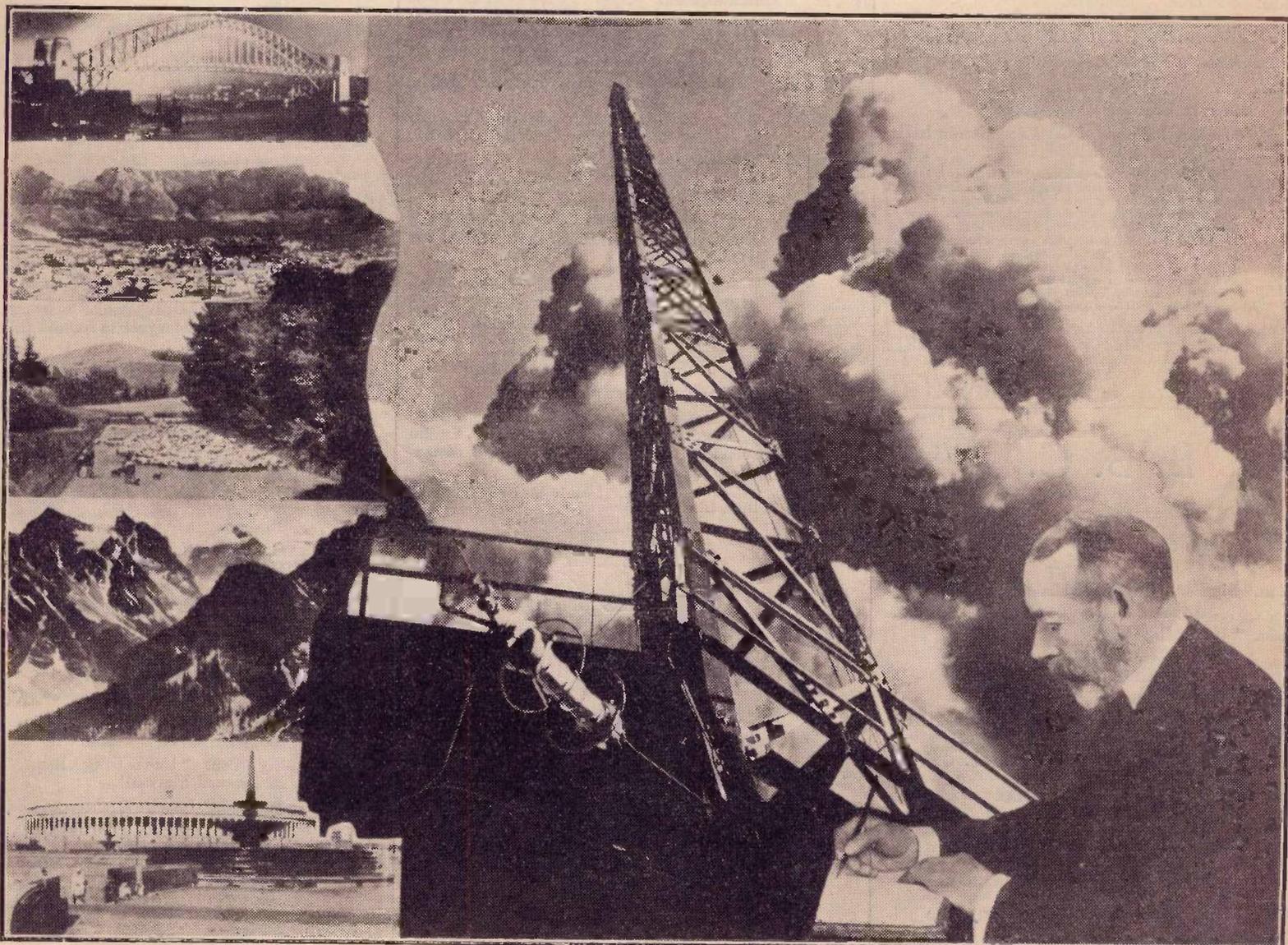
1. SAMON LULLABY	-	-	-	Boyd.
2. BERCEUSE	-	-	-	Faure.
3. MOLY ON THE SHORE	-	-	-	Grainger.
4. LULLABY	-	-	-	Jarnfelt.
5. PAVANE	-	-	-	Ravel.
6. IMAGINATION	-	-	-	Zacharewitsch.
7. SOLVEIG'S SONG	-	-	-	Grig.
8. BARCAROLLE	-	-	-	Hoffmann.
- 11-0 p.m. GOD SAVE THE KING-EMPEROR.

- 2-0 p.m. **Educational Broadcast for School Students.**  
By NRIPEEN CHATTERJEE.—The Great Stories of the World :—  
(a) "Les Miserables." (With Sound Effects).
- 3-0 p.m. **Talk.** By BISHNU SARMA.  
"The Queer Country of Africa."
- 3-30 p.m. **Time Signal.**  
*Close down.*
- 4-45 p.m. **Time Signal.**  
SB **Commentary on the "All-India vs. Australian XI." Cricket Match.** By BERTIE MEYER.  
Relayed from the Eden Gardens.
- 5-0 p.m. **Time Signal.**  
*Close down.*
- 5-30 p.m. **Time Signal.**  
Talk by KAMAL BOSE on :—  
(a) New Year Greetings.  
(b) Tales of Other Lands.  
(c) Interesting News Reel.
- 6-15 p.m. **Light Orchestral Concert by The Hungarian Ladies' Orchestra.**  
Relayed from the Palm Court of the Grand Hotel.
- 7-15 p.m. **Weather Forecast, General News Bulletin, Market Prices, Jute and Gunny Closing Rates.** (In Bengali).  
SB

# Calcutta

VUC 370.4 metres, 810 kc/s, 49.10 metres 6,109 kc/s.

- 1-0 p.m. **Time Signal.**  
SB **Musical Selections from the Studio (Recorded).**
- 1-10 p.m. "All-India vs. Australian XI" Cricket Match.  
SB Lunch Time Scores and Commentary.
- 1-20 p.m. **Pikler's Hungarian Orchestra.**  
SB Lunch Time Selections.  
Relayed from "Firpo's" Restaurant.  
(By kind permission of the Management.)



A special broadcast by the B.B.C. on Christmas Day, entitled "This Great Family".

(By courtesy of the B.B.C.)

- 7-30 p.m. **Indian Theatrical Night.**  
 SB BETAR NATOOKEY DAL presents :—  
 "Sudama." By late APARESH CHANDRA  
 MUKHERJEE.
- 10-30 p.m. Weather Forecast, General News Bulletin, Market  
 SB Prices, Jute and Gunny Closing Rates. (In English.)
- 10-45 p.m. GOD SAVE THE KING-EMPEROR.  
 Time Signal.  
 Close down.

## Delhi

VUD 340,136 metres. 882 kc/s.

- 6-0 p.m. Time Signal.  
 "Sweet Vengeance" By I. B. S. Orchestra.  
 (Conducted by S. S. NIAZI).
- 6-10 p.m. Classical Songs. Miss AKHTARI of Agra.
- 6-30 p.m. Mr. BRINDAR.—Bhajans.
- 6-45 p.m. Light Songs. Miss AKHTARI of Agra.
- 7-0 p.m. Mir MOHAMMED HUSSAIN of Delhi  
 On "Child Beggers in Delhi."
- 7-15 p.m. Light Songs. By Miss AKHTARI of Agra.
- 7-40 p.m. Sitar Solo. By Prof. HAIDER HUSSAIN of Jaipore.
- 7-50 p.m. Miss AKHTARI.—More Songs.
- 8-0 p.m. A Drama. "Mantosh."  
 By Khan Sahib HAKIM AHMAD SHUJAA.  
 (Directed by K. M. IFTIKHAR ULLAH).
- 9-15 p.m. News in Hindustani.
- 9-30 p.m. Time Signal.  
 News in English.
- 9-45 p.m. The Development of Civil Aviation in India.  
 Mr. F. TYMMS, C.I.E., M.C.  
 Civil aviation, being a new form of transport, is bound, in every country of the world, to occupy a prominent position as an expanding activity. In India, with its great distances and industrial ambitions, the effect of the introduction of air transport must be profound. Starting later, the rate of expansion must be greater. The weekly scheduled mileage of Indian internal air services increased from 1380 in 1930 to over 13,000 in 1934. The quantity of mails carried to and from India by air was 34 tons in 1930; in 1934 it was over 80 tons. Mr. Tymms, who speaks this evening, became Director of Civil Aviation in 1931.
- 10-0 p.m. A Choice of New Records.  
 Introduced by Mr. N.H. SWINSTEAD, M.A., M.B.E.
- 11-0 p.m. Close down.

## B. B. C.

### TRANSMISSION 1.

GSG 15,140 kc/s (19.82 m.), GSB 9,510 kc/s (31.55 m.)

- 8-30 a.m. **Big Ben. Mixed Pickles—7th Edition.** \*  
 A sketch, stunt, and song show—bottled by Cecil Madden
- 9-15 a.m. "Under Big Ben." \*  
 A talk by Howard Marshall.  
 Greenwich Time Signal at 9-30 a.m.
- 9-30 a.m. **The Gershwin Parkington Quintet.**  
 Selection, The Merry Widow (Lehar). The Song of Songs (Moya), Two Guitars (Ferraris). Dance of the Icicles (Kennedy Russell). The Swing of the Kilt (Ewing). Selection, Tom Jones (Edward German). Gipsy Life (Roger Quilter).
- 10-15 a.m. The News and Announcements.
- 10-35 a.m. Close down.

### TRANSMISSION 2.

GSG 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.)

- 11-0 a.m. **Big Ben. Variety.** †
- 11-15 a.m. **The B.B.C. Welsh Orchestra; leader, Frank Thomas; conducted by Reginald Redman. Mabel Linwood (Contralto).**

Orchestra: Overture, Rosamunde (Schubert). Mabel Linwood; Romance (Mignon) (Thomas), The House with Nobody in It (Lee Montgomery), Bluebells from the Clearings (Ernest Walker). Orchestra: Suite Funambulesque, Cassandre et la Marquise, Pantomime-Valse, Clownerie Scene d'amour, Solitude de Pierrot, Parade-Finale (Messager) Mabel Linwood: If there were Dreams to Sell (John Ireland), A Lament (Coleridge-Taylor), A Soft Day (Stanford), Good Morning, Brother Sunshine (Lehmann). Orchestra: Ballet Suite, Herodiade: (1) Les Egyptiennes (2) Les Babyloniennes (3) Les Gauloises (4) Les Phenicennes (5) Finale (Massenet).

Greenwich Time Signal at 12-0 noon.

- 12-15 p.m. "Under Big Ben." \* A talk by Howard Marshall.
- 12-30 p.m. **The B.B.C. Dance Orchestra, directed by Henry Hall.**
- 1-0 p.m. The News and Announcements.
- 1-20 p.m. A Recital by Ninon Vallin (Soprano.) †
- 1-30 p.m. **The Birmingham Hippodrome Orchestra, conducted by Harry Pell. Relayed from the Hippodrome Theatre, Birmingham.**  
 March de la liberte (Liberty March) (Kostal). Waltz, First Thoughts (Lanner, arr. Zeitberger). Selection, Songs of Scotland (arr. Lampe).
- 1-45 p.m. Close down.

### TRANSMISSION 3.

Two of the following frequencies will be used :—

GSG 17,790 kc/s (16.86 m.), or GSF 15,140 kc/s (19.82 m.),  
 GSE 11,860 kc/s (25.29 m.), or GSB 9,510 kc/s (31.55 m.)

- 2-0 p.m. **Big Ben. The Birmingham Hippodrome Orchestra; conducted by Harry Pell. Relayed from the Hippodrome Theatre, Birmingham.**  
 Souvenir (Solo Violin, Stuart Jones) (Drdla). Selection, The Merry Widow (Lehar), I love the Moon (Rubens). American Fantasia, A Darkey's Dreamland (Bidgood). The Savoy Scottish Medley (arr. Somers).
- 2-30 p.m. "High Spots"—No. 11: Grosvenor House, London. \*  
 A descriptive commentary from the roof of Grosvenor House giving a view over Park Lane, Hyde Park, and Mayfair.
- 2-45 p.m. "Looking Forwards." \*  
 A survey of 1936 as it looks before it happens. Devised by John Pudney.
- 3-30 p.m. **A Symphony Concert. The B.B.C. Midland Orchestra; leader, Alfred Cave; conducted by Leslie Heward.**  
 Overture Der Bauer ein Schelm (The Peasant a Rogue) (Dvorak). Symphonic Poem No. 10, Hamlet (Liszt). Symphony No. 4 in minor: (1) Allegro (2) Andante moderato (3) Scherzo (4) Finale (allegro molto) con Epilogo fugato (Vaughan Williams). Ballet Suite, Idomenoe: (1) Chaconne (2) Pas seul (Mozart, arr. Busoni).
- Greenwich Time Signal at 4-30 p.m.
- 4-30 p.m. The News and Announcements.
- 4-50 p.m. **The Hotel Metropole Orchestra; leader, A. Rossi; under the direction of Emilio Colombo. Relayed from the Hotel Metropole, London.**  
 Excerpts from Mignon (Thomas). My Hero (The Chocolate Soldier) (Oscar Straus).
- 5-0 p.m. Close down.

### TRANSMISSION 4.

Part I. Two or three of the following frequencies will be used :—  
 GSI 15,260 kc/s (19.66 m.), GSD 11,750 kc/s (25.53 m.),  
 GSB 9,510 kc/s (31.55 m.), GSL 6,110 kc/s (49.10 m.).

Part II. Two of the following frequencies will be used :—  
 GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
 GSA 6,050 kc/s (49.59 m.).

#### PART I.

- 5-15 p.m. **Big Ben. The Arthur Dulay Quintet.**  
 Harvest Feast (Rubinstein). Midnight Zephyrs (Cuthbert Clarke). Two Songs without Words: Duetto; Presto (Mendelssohn, arr. Dulay). Scherzino (Walter R. Collins). Suite, An Evening at St. Petersburg: (1) Moonlit Night in Winter Time (2) With the Russian Gipsy Orchestra (3) In the Troika (Meyer-Helmund). Two Studies: Op. 25, Nos. 9 and 3 (Chopin, arr. Dulay). Two Miniatures: The Rivulet; Valsette (Dulay). Sheila and Jimmy (Williams). Tea Dolls' Parade (Noiret).
- 6-0 p.m. The News and Announcements.
- 6-20 p.m. Dance Music. †
- 6-36 p.m. Meet Mickey Mouse.  
 Greenwich Time Signal at 7-0 p.m.

- 7-0 p.m. **The B.B.C. Military Band; conductor, B. Walton O'Donnell. Thorpe Bates (Baritone).**

Band: Folk Song Suite: (1) March, Seventeen Come Sunday (2) Intermezzo, My Bonny Boy (3) March, Folk Songs from Somerset (Vaughan Williams). Song with Military Band: The Two Grenadiers (Baritone Solo, Thorpe Bates) (Schumann). Band: Suite, The Seasons: (1) Barcarolle and Variations (2) Waltz of the Poppies and Cornflowers (3) Petit Adagio (Glazunov).

- 7-30 p.m. "Young Ideas."

A programme for young people of all ages.

- 8-0 p.m. **Beethoven Programme, relayed from the Promenade Concert at Queen's Hall, London. (Sole Lessees, Messrs. Chappell and Co., Ltd.) Solo Pianoforte, Clifford Curzon. The B.B.C. Symphony Orchestra (Principal Violin, Marie Wilson), conducted by Sir Henry J. Wood. Part I.**

Symphony No. 8 in F: (1) Allegro vivace e con brio (2) Allegretto scherzando (3) Tempo di Minuetto (4) Finale Allegretto vivace. Pianoforte Concerto No. 5 in E flat (Emperor): (1) Allegro (2) Adagio un poco mosso (3) Allegro ma non troppo (Solo Pianoforte, Clifford Curzon). Symphony No. 4 in B flat: (1) Adagio—Allegro vivace (2) Adagio (3) Menuetto: Allegro vivace—Trio: un poco meno Allegro (4) Allegro ma non troppo.

- 9-35 p.m. Close down.

#### PART II.

- 9-50 p.m. "Education by Correspondence in Australia." A talk by Linda Littlejohn.

Greenwich Time Signal at 10-0 p.m.

- 10-5 p.m. The News and Announcements.
- 10-25 p.m. **The B.B.C. Theatre Orchestra; leader, Montague Brearley; conductor, Stanford Robinson.**
- 10-45 p.m. Close down.

### TRANSMISSION 5.

Two of the following frequencies will be used :—

GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
 GSL 6,110 kc/s (49.10 m.), GSA 6,050 kc/s (49.59 m.).

- 11-0 p.m. **Big Ben. "Monologue in Melody."**  
 A quarter of an hour of syncopation by Berkley Fase.
- 11-15 p.m. "Under Big Ben." \*  
 A talk by Howard Marshall.
- 11-30 p.m. **Excerpts from Opera. The B.B.C. Empire Orchestra; leader, Daniel Melsa; conductor, Eric Fogg. Marguerite Natalia (South African Soprano).**  
 Orchestra; Overture, William Tell (Rossini). Marguerite Natalia and Orchestra: Una voce poco fa (Il Barbiere de Seville) (Rossini). Orchestra: Suite, The Bartered Bride: (1) Overture, Village Scene, Love Duet, and Opening Chorus (2) March of the Comedians, Teasing Duet, and Dance of the Comedians (Smetana, arr. Lotter). Marguerite Natalia and Orchestra: Aubade (Le roi d'Ys) (Lalo), Laughing Song (Die Fledermaus) (Johann Strauss). Orchestra: Selection, La Boheme (Puccini, arr. Gauwin). Marguerite Natalia and Orchestra: Spargi d'amaro Pianto (Lucia di Lammermoor) (Flute obbligato, Joseph Slater) (Donizetti). Orchestra: Polovetzian Dances (Prince Igor) (Borodin).

Greenwich Time Signal at 12-0 midnight.

- 12-45 a.m. The News and Announcements.

- 1-5 a.m. Close down.

### TRANSMISSION 6.

Two of the following frequencies will be used :—  
 GSD 11,750 kc/s (25.53 m.), GSC 9,580 kc/s (31.32 m.),  
 GSL 6,110 kc/s (49.10 m.).

- 3-0 a.m. **Big Ben. "Under Big Ben." \* A talk by Howard Marshall.**
- 3-15 a.m. **The B.B.C. Empire Orchestra; leader, Daniel Melsa; conductor, Eric Fogg.**

Overture, Peter Schmol (Weber). From the Old and New World (Fantasia on Dvorak's works) (arr. Leopold). Suite No. 2, L'Arlesienne: (1) Andante sostenuto (2) Intermezzo (3) Minuet (4) Farandole (Bizet).

Greenwich Time Signal at 3-30 a.m.

- 4-0 a.m. The News.
- 4-15 a.m. Close down.

\* Electrical recording. † Gramophone records.

# German

## SOUTH ASIA.

### Time Schedule.

Call Sign—Wavelength.	Berlin.	Bombay (I.S.T.)
DJA—31-38 Metres. } DJQ—19-63 .. } DJN—31-45 .. }	6-30—8-15	11-00—12-45
DJB—19-74 .. } DJN—31-45 .. }	9-45—13-15	14-15—17-45
DJN—31-45 ..	14-00—17-30	18-30—22-00
DJA—31-38 Metres. } DJN—31-45 .. } DJQ—19-63 .. }	6-30—8-15 Musical Entertainment and News.	

### Berlin Time.

- 9-45 Call DJB, DJN (German, English). **German Folk Song. Programme Forecast (Germ., Engl.)**
- 10-0 **Songs of the Homeland round the Globe.**
- 10-30 **News in English.**
- 10-45 **Brass Band.**
- 11-45 **News in German.**
- 12-0 **Concert of Light Music.**
- 12-20 **Topical Talk.**
- 12-30 **Concert of Light Music (continued).**
- 13-0 **News in English.**
- 13-15 **Close DJB, DJN (Germ., Engl.)**

## EAST ASIA.

### Time Schedule.

Call Sign—Wavelength.	Berlin.	Bombay (I.S.T.)
DJA—31-38 Metres. } DJQ—19-63 .. }	6-30—8-15 7-00—7-15 8-00—8-15	11-00—12-45 11-30—11-45 12-30—12-45
DJA—31-38 .. } DJN—31-45 .. } DJN—31-45 .. }	14-00—17-30 6-30—8-15 14-00—17-30	18-30—22-00 11-00—12-45 18-30—22-00

- 14-0 **DJA, DJN Announcement (Germ., Engl.). German Folk Song. Programme Forecast (Germ., Engl.)**
- 14-15 **Songs of the Homeland round the Globe.**
- 14-45 **News in English on DJA and in Dutch on DJN.**
- 15-0 **Working for Progress.**
- 15-15 **Brass Band.**
- 16-15 **News in German on DJA and DJN.**
- 16-30 **Today in Germany. Sound Pictures.**
- 16-45 **Trio in C minor, Op. 1, for Piano, Violin, and Cello by Ludwig van Beethoven. Hermann Hoppe, Bernhard Lessmann, Theo Schurgers.**
- 17-15 **News in English on DJA and in Dutch on DJN.**
- 17-30 **Close DJA, DJN (Germ., Engl.)**

## THE TIME MUDDLE.

For the present Delhi Station will observe the Delhi Time, which is half an hour ahead of Indian Standard Time. Calcutta Station is observing Calcutta Time which is 24 minutes ahead of Indian Standard Time and Bombay—bravo Bombay—observes Indian Standard Time. This is all very difficult for listeners who want to tune in to different Stations and it is manifestly absurd for an All India paper to adopt these municipal quirks.

## INDIAN STANDARD TIME FOR ALL STATIONS.

We warn listeners that we intend for the future to adopt I. S. T. for all Stations shown in the *Indian Listener*. If there are those who object to this procedure, let them say so before it is too late.

# SATURDAY, 4th JANUARY 1936.

## Bombay

VUB 350.9 metres 855 kc/s.

- 12-0 noon. Selection of Indian Music.
- 1-0 p.m. Available Market Rates. **Debroy Somers and His Band. (Columbia Records).**
- 2-0 p.m. *Close down.*
- 5-30 p.m. Relay of Music from Regal Cinema—The Theatre Magnificent. *(By kind permission of the Management).*
- 6-30 p.m. **A Programme of Gramophone Records,**
  1. Gazal.
  2. Bhajan.
  3. Nat.
  4. Dance Tune.
- 7-0 p.m. **Commercial News.**
- 7-15 p.m. **Violin Solos.** By G. A. Joshi of Aundh.
- 7-50 p.m. **News in Hindi.**
- 8-0 p.m. **Light Classical Music.** By BAI KRISHNABAI RAMDURGAKARIN. With Sarangi, Harmonium and Tabla.
- 9-30 p.m. **News in English.**
- 9-45 p.m. **Around The Town.** An Airman's Diary.
- 10-0 p.m. **Dance Music.**
- 11-0 p.m. **GOD SAVE THE KING-EMPEROR**

We regret that for various reasons it has not yet been possible to synchronize the publication of B.B.C. Empire programmes exactly with that of the *Indian Listener*. It is hoped that this may be arranged shortly. Meanwhile the B. B. C. programmes for 29th-31st December 1935 will be found on pages 63-65 of this issue, and the B.B.C. Programmes for 12th, 13th, 14th and 15th January 1936, will appear in our next issue.

## Calcutta

VUC 370.4 metres 810 kc/s. 49.10 metres 6,109 kc/s.

- 1-0 p.m. *Time Signal.*
- SB **A Programme Arranged by Messrs. T. E. Bevan & Co. Ltd. ("Columbia" Recording). The Northern Tattoo.**
  - "Old Comrades."—March.
  - "Blaze Away."—March.
- Marjorie Stedefeld and her Rhythm Boys.** "Star Gazing."
- Harry Leader and his Band in a Tour Round London.** "Good for Nothing."
- Elsie and Doris Waters "Gert and Daisy."** "Gert, Daisy and the Knot-hole." "The Coronation Girls." (with Orchestra).
- Andy Iona and his (Hawaiian) Islanders.** "Hawaiian Paradise." (*Hawaiian Novelty*). "Sweet Hawaiian Maid." (*Hawaiian Novelty*).
- Cine Studio Orchestra.** Film Selection of "Heart's Desire."
- Turner Layton.** "Murder in the Moonlight." "Star Gazing."
- Hill-Billies Sensation—The Rocky Mountainers.** "Hill-Billy Songs."—*Medley.*
- Calcutta Weather Bulletin for Oceanraft and Rivercraft (*if any*).
- 2-0 p.m. **Recorded Selections.**
- 2-30 p.m. **Talk by MRS. BELLA HALDER.**
  - (a) Popular Beliefs and Superstitions.
  - (b) Bengal Stiches in Beautifying the Home.
- 3-0 p.m. **Talk by a Member of the National Council of Women in India.**
- 3-30 p.m. *Close down.*
- 6-0 p.m. *Time Signal.*
- Selections from Gramophone Records.**
- 6-10 p.m. **Rural Reconstruction Series—Talk.**
- 6-30 p.m. **Raga Demonstration by SURESH CHANDRA CHAKRAVARTY, B.A.**
- 6-50 p.m. **Vocal Music (Bengali).** BHABATOSH BHATTACHARYA—*Toppa.*

- 7-10 p.m. MISS KANKABATY.
- 7-30 p.m. MISS SARASWATY.
- 7-50 p.m. SURENDRA NATH CHATTERJEE.
- 8-0 p.m. MRINAL KANTI GHOSE.
- 8-15 p.m. Weather Forecast, 1st News Bulletin, Market Prices, Jute and Gunny Closing Rates (*In English*).
- 8-30 p.m. **Modern Bengali Songs.** PANKAJ KUMAR MULLICK.
- 8-45 p.m. MISS INDUBALA.
- 9-05 p.m. **Instrumental Music.** AMARNDRA NATH DUTTA—*Jaltaranga.*
- 9-15 p.m. Weather Forecast, General News Bulletin, Market Prices, Jute and Gunny Closing Rates (*In Bengali*).
- 9-30 p.m. **Dance Music by the Grand Hotel Dance SB Orchestra.** Relayed from "Prince's" Restaurant.
- 10-30 p.m. 2nd News Bulletin in English. SB
- 10-45 p.m. **Dance Music.** SB
- 11-0 p.m. **GOD SAVE THE KING-EMPEROR.** *Time Signal.* *Close down.*

## Delhi

VUD 340.136 metres. 882 kc/s.

- 6-0 p.m. *Time Signal.*
- I. B. S. Orchestra.** (*Conducted by S. S. NIAZI.*)
- 6-10 p.m. **Classical Music.** Prof. HAIDER HUSSAIN of Jaipur.
- 6-40 p.m. **Violin Solo.** By Mr. SARDAR HUSSAIN of Delhi.
- 6-50 p.m. Miss IQBAL PUTLI of Meerut will sing Light Songs.
- 7-5 p.m. **Jaltarang Solo.**
- 7-15 p.m. **A Song by Miss IQBAL PUTLI.**

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### CLUES ACROSS

1. Rs. 30,000 would make you financially this!
4. Conspicuous in paper mill
6. Jumbled spelling of "hands"
7. Describes person whose comments on women friends are usually slanderous
8. Preposition denoting presence.
9. Common contraction of legal phrase meaning "in the case of"
11. Is often invited under mistletoe at Xmas!
13. Solving this puzzle is not a difficult one
15. Police Headquarters' record of these often hastens capture of criminal
18. Nevertheless
19. Thus
20. Experienced batsmen usually play this kind of ball cautiously
22. Some people make huge fortunes through
24. By means of this, jewel thief sometimes makes a big haul
27. The clear, upper air.
29. Behold!
31. Enables one to travel from India to England in a few days
33. High in rank or character
34. Born
35. Spurious coins are, as a rule, promptly detected and automatically returned by these!
36. True philosopher is seldom deeply perturbed by

1	S	A	F	E				4	P	U		5	P			
6		N	D		S			7	C	A						
8	A				9	E			A			10	T			
11			12	S	S		13	T			K		14	I	E	
	E					15	F		C					V		
		16	B	Y	C	E	T			18				E	T	
19	S			A				20		21			A	S		
22	W		23	R				24	R	I	C			26		
27		T	H		R			28		29	L			30	O	A
	E	S	I					31	F		Y		32			G
			33		O	B							34		N	E
35	S			O	S					36		E	A		S	

*This may bring you Rs. 30,000*

### CLUES DOWN

1. Sometimes has salutary effect on a naughty child
2. Prefix meaning "against"
3. Open them to wisdom and close them to calumny!
4. Hounds are often exercised in
5. Such medicines should be used with extreme caution
7. Serious one needs Specialist's attention
10. Industrious ones are the most satisfactory
12. Person who is this usually suffers in consequence
13. Thank-you
14. Outstanding one becomes a "Star."
16. Bad weather soon discloses their defects
17. A person's appetite is sometimes affected by a sad one.
18. This Tibetan ox has long silky hair
19. Many women seem to have a weakness for these
21. Common cause of litigation
23. Winning First Prize will bring you plenty of this!
25. Bashful
26. Smart lads make good ones
28. Some are inclined to be ticklish
30. Slang term for an adept
32. Common feminine Christian name

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7-30 p.m. Mr. SAJJAD SARWAR, B.A., will speak on "Ghazal in Indian Music."  
 7-45 p.m. Another Song by Miss IQBAL PUTLI.  
 8-0 p.m. Dance Music by I. B. S. Orchestra.  
 8-15 p.m. Miss IQBAL PUTLI. A Song.  
 8-30 p.m. Prof. HAIDER HUSSAIN will give you another classical song.  
 8-45 p.m. Miss IQBAL PUTLI. A Song.  
 9-0 p.m. "Soz-i-Furqat" or (The Pangs of Separation) By I. B. S. Orchestra.  
 9-15 p.m. News in Hindustani.  
 9-30 p.m. Time Signal.  
 News in English.  
 9-45 p.m. "The Delhi Transmitter."  
 By Mr. P. J. EDMUNDS.  
 Mr. P. J. Edmunds is the Director of Wireless in the Posts and Telegraphs Department of the Government of India. As such he has supervised Indian Broadcasting since 1930 and has been largely responsible for the scheme of development adopted this year. He has also been responsible for the selection of the Delhi Transmitter about which he will speak this evening.

10-0 p.m. "The Cosmo Trio."  
 1. MARCH - "Crown o' Joy" - Dicker.  
 2. VALSE - "Geschichten aus dem Wiener Wald" - Strauss.  
 3. OVERTURE - "Marianella" - Fuchs.  
 4. MUSICAL COMEDY SELECTION - "Sweet Adeline" - Kern.  
 5. EXTRACTS FROM THE SUITE - "Ballet Russe" - Luigini.  
 6. POTPOURRI FROM "The Girl in the Train" - Leo Fall.  
 7. INTERMEZZO - "By the Tamarisk" - Eric Coates.

11-0 p.m. Close down.

## B. B. C.

### TRANSMISSION 1.

GSE 15,140 kc/s (19.82 m.), GSB 9,510 kc/s (31.55 m.)

8-30 a.m. Big Ben. "Harry Hopeful's Night on the Border." \*  
 A north country excursion devised by D. G. Bridson and E. A. Harding.  
 9-25 a.m. A Recital by Ellen Ballon (Canadian Pianist).  
 Pastorale and Capriccio (Scarlatti). Song without words in F sharp minor; Scherzo in E minor (Mendelssohn).  
 Marchen, Op. 14, No. 2 (Medtner). Toccata (Alberto Jons). Concert Study (van Sternberg).  
 Greenwich Time Signal at 9-30 a.m.  
 9-45 a.m. Violin Works of Henri Wieniawski. The Alfredo Campoli Trio. \*  
 Souvenir de Moscow. Legende. Two Caprices (in E flat and A minor). Valse Caprice. Scherzo—Tarantelle.  
 10-15 a.m. The News.  
 10-30 a.m. Close down.

### TRANSMISSION 2.

GSG 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.)

11-0 a.m. Big Ben. Operatic Arias. †  
 Gerhard Husch (Baritone) with the Grand Symphony Orchestra, conducted by Dr. Weissmann: Madamina—Register Aria (Don Giovanni) (Mozart); Frida Leider (Soprano) with Orchestra, conducted by John Barbirolli: Leonora's Recitative and Aria (Fidelio) (Beethoven).  
 Beniamino Gigli (Tenor) with Orchestra, conducted by Eugene Goossens: Che gelida manina (La Boheme) (Your Tiny Hand is Frozen) (Puccini).  
 11-20 a.m. "The Man with a Malady."  
 A curtain-raiser from the story by J. F. Sullivan. Adapted to dramatic form by Ursula Branston. "On the Edge." A thrilling drama from the story, The Man from America, by Michael Arlen. Adaptation by Ursula Branston. The plays produced by William MacLurg.  
 Greenwich Time Signal at 12-0 noon.  
 12-0 p.m. The Coventry Hippodrome Orchestra, conducted by Charles Shadwell. Relayed from the Hippodrome Theatre, Coventry.  
 March, The King's Colonials (Evans). Suite, From Meadow to Mayfair (Eric Coates). Waltz, The Rose in her Hair (Warren). Two Rhythm Numbers (Gensler and Porter). The Flight of the Bumble Bee (Rimsky-Korsakov). The Little Silkworm (Goodhart and Hoffman). Selection, Once upon a Time (arr. Stoddon). Homestead (Iida).  
 12-45 p.m. The Children's Hour.  
 "The Cousins." A play of the French Revolution by Sybil Clarke.

1-30 p.m. The News.

1-45 p.m. Close down

### TRANSMISSION 3.

Two of the following frequencies will be used:—  
 GSG 17,790 kc/s (16.86 m.), or GSF 15,140 kc/s (19.82 m.),  
 GSE 11,860 kc/s (25.29 m.), or GSB 9,510 kc/s (31.55 m.).

2-0 p.m. Big Ben. Dance Music. †  
 2-5 p.m. England v. New Zealand.  
 A running commentary on the Rugby Union football match by Captain H. B. T. Wakelam, relayed from Twickenham. (By courtesy of the Rugby Football Union).  
 3-45 p.m. The London Zigeuner Orchestra, directed by Ernest Leggett. Maria Marova (Soprano).  
 Orchestra: In Santa Fe (Winkler), Gipsy Boy (Muhr), The World is Mine (Postford), Maria Marova: Gay and Sad; Lilacs (Russian Folk Songs) (Traditional), Cloudy Heights; Tune your Strings, Gipsy (Dvorak). Orchestra: Ma Mama Mia (Casiroli), Everybody Dances the Carioca (Semprini), My World is Gold (Tauber), Czech Dance Furiant (Hula-Bayer), Maria Marova: La Mantilla, (Alvarez), Mai (Hahn), Claveletos (Carnations) (Valverde).  
 Greenwich Time Signal at 4-30 p.m.

4-30 p.m. The News.

4-45 p.m. The Bernard Crook Quintet.

Dance Suite: (1) Polish Dance (2) Russian Dance (3) Neapolitan Dance (Zimbali), Short Story (Gershwin, arr. Dushkin), Humoreske (Tchaikovsky, arr. Bernard Crook).

5-0 p.m. Close down.

### TRANSMISSION 4.

Part I. Two or three of the following frequencies will be used:—  
 GSI 15,260 kc/s (19.66 m.), GSD 11,750 kc/s (25.53 m.),  
 GSB 9,510 kc/s (31.55 m.), GSL 6,110 kc/s (49.10 m.).

Part II. Two of the following frequencies will be used:—  
 GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
 GSA 6,050 kc/s (49.59 m.).

#### PART I.

5-15 p.m. Big Ben. Dance Music. Ambrose and his Embassy Club Orchestra.  
 6-0 p.m. The News.  
 6-20 p.m. The Comedy Harmonists. †  
 6-30 p.m. The B.B.C. Orchestra (Section C), conducted by John Ansell.  
 Overture, The Windjammer (Ansell). Canzonetta (Godard) Suite, Mediterranean: (1) Espana (La Danse) (2) Italie (Barcarolle) (3) France (Carneval) (Ansell). Valsette, Wood Nymphs (Eric Coates).  
 Greenwich Time Signal at 7-0 p.m.  
 7-0 p.m. The Saturday Magazine.  
 A week-end programme including In Town Tonight. Edited by A. W. Hanson.  
 7-45 p.m. The Gershom Parkington Quintet.  
 Nocturne (Edward German). Toreador and Andalous (Rubinstein). Melisande in the Wood (Goetz).  
 8-0 p.m. "Die Fledermaus."  
 Act I of the opera by Strauss. Scene: Eisenstein's Apartment. Relayed from Sadler's Wells Theatre, London. Cast in order of appearance: Adele Rosalinda (Eisenstein's wife); Alfred (an opera singer); Eisenstein; Dr. Blind (a lawyer); Dr. Falke; Frank (Governor of the Goal). Leader, Joseph Shadwick; conductor, Warwick Braithwaite; producer, Clive Carey; chorus master, Geoffrey Corbett.

9-0 p.m. Close down.

#### PART II.

9-15 p.m. A Recital by Florence Linder (South African Soprano).  
 Lo! Here the Gentle Lark (Bishop). A Spring Morning (Carey). Songs my Mother Taught me (Dvorak). Serenade (Richard Strauss). Spring Waters (Rachmaninov).  
 9-30 p.m. England v. New Zealand. \*  
 Interval summary and a running commentary on the second half of the Rugby Union football match by Captain H. B. T. Wakelam, relayed from Twickenham. (By courtesy of the Rugby Football Union).  
 Greenwich Time Signal at 10-0 p.m.

10-20 p.m. The News.

10-40 p.m. Close down.

### TRANSMISSION 5.

Two of the following frequencies will be used:—  
 GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
 GSL 6,110 kc/s (49.10 m.), GSA 6,050 kc/s (49.59 m.).

11-0 p.m. Big Ben. Henry Hall's Hour.

Greenwich Time Signal at 12-0 midnight.

12-0 a.m. England v. New Zealand. \*

Interval summary and a running commentary on the second half of the Rugby Union football match by Captain H. B. T. Wakelam, relayed from Twickenham. (By courtesy of the Rugby Football Union).

12-50 a.m. The News.

1-10 a.m. Close down.

### TRANSMISSION 6.

Two of the following frequencies will be used:—  
 GSD 11,750 kc/s (25.53 m.), GSC 9,580 kc/s (31.32 m.),  
 GSL 6,110 kc/s (49.10 m.).

3-0 a.m. Big Ben. "Looking Forwards." \*

A survey of 1936 as it looks before it happens. Devised by John Pudney.

Greenwich Time Signal at 3-30 a.m.

3-45 a.m. The News and Announcements.

4-5 a.m. Close down.

\* Electrical recording. † Gramophone records.

## German.

### SOUTH ASIA.

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31-38 Metres.	6-30—8-15	11-00—12-45
DJQ—19-63 "		
DJA—31-38 "		
DJB—19-74 "	9-45—13-15	14-15—17-45
DJN—31-45 "		
DJN—31-45 "	14-00—17-30	18-30—22-00
DJA—31-38 Metres.	6-30—8-15	Musical Entertainment and News.
DJN—31-45 "		
DJQ—19-63 "		

Berlin Time.

9-45 Call DJB, DJN (German, English). German Folk Song. Programme Forecast (Germ., Engl.)  
 10-0 Woman's Hour: Your Mother Greets You. Letters and Songs. Arranged by Lilian Kirchner.  
 10-30 News in English.  
 10-45 "Circus." A Variegated Picture-Book by Werner Illing.  
 11-45 News in German.  
 12-0 Concert of Light Music.  
 13-0 News in English.  
 13-15 Close DJB, DJN (Germ., Engl.)

### EAST ASIA.

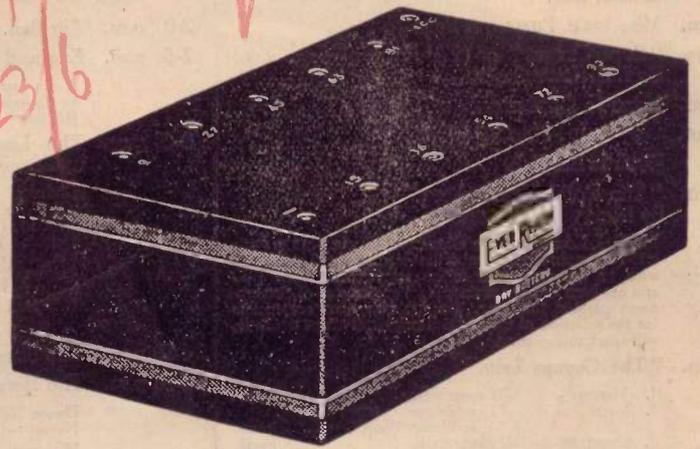
Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31-38 Metres.	6-30—8-15	11-00—12-45
DJQ—19-63 "		
DJA—31-38 "		
DJA—31-38 "	14-00—17-30	18-30—22-00
DJN—31-45 "		
DJN—31-45 "	6-30—8-15	11-00—12-45
DJN—31-45 "	14-00—17-30	18-30—22-00

14-0 DJA, DJN Announcement (Germ., Engl.). German Folk Song. Programme Forecast (Germ., Engl.)  
 14-15 Woman's Hour. Your Mother Greets You. Letters and Songs. Arranged by Lilian Kirchner.  
 14-45 News in English on DJA and in Dutch on DJN.  
 15-0 "Circus." A Variegated Picture-Book by Werner Illing.  
 16-0 "The German Folk Song interpretes people's ideals." A Chat by Dr. Willi Koch, with musical examples.  
 16-15 News in German on DJA and DJN.  
 16-30 Today in Germany. Sound Pictures.  
 16-45 Concert of Light Music.  
 17-15 News in English on DJA and in Dutch on DJN.  
 17-30 Close DJA, DJN (Germ., Engl.)

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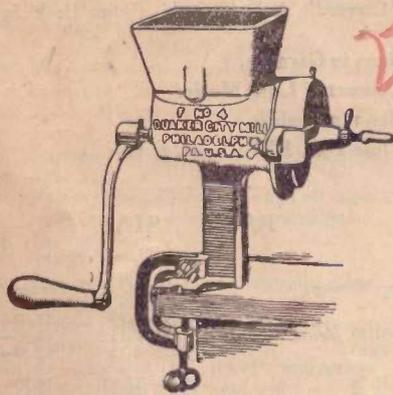
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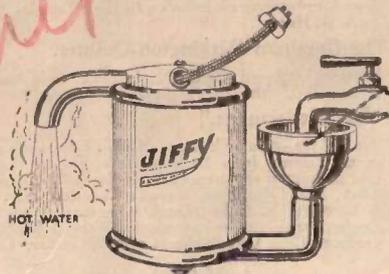
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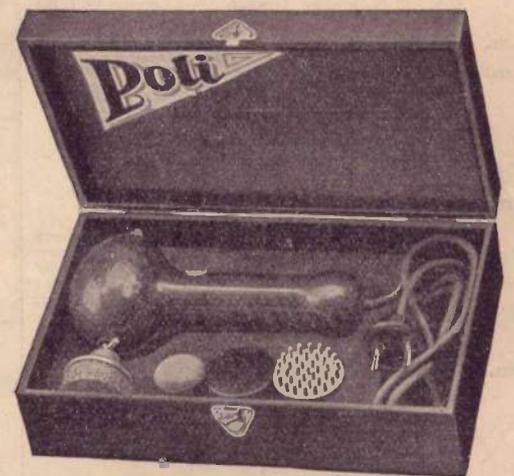


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# Bombay

VUB 350.9 metres 855 Kc/s.

- 10-30 a.m. **The Radio Quartet.**  
Leader: DOMINIC J. PEREIRA.
- |             |                              |               |
|-------------|------------------------------|---------------|
| MARCH       | "Paprica Johnny"             | Roberts.      |
| OVERTURE    | "The Merry Wives of Windsor" | Nicolas.      |
| WALTZ       | "The Wedding Dance"          | Lepold.       |
| SERENADE    | "Ay, Ay, Ay"                 | Freire.       |
| SELECTION   | "Viennese Memories of Lehar" | Hall.         |
| VIOLIN SOLO | "Canzonetta from Concerto"   | Tschatkovsky. |
| SKETCH      | "The Chase to Butterflies"   | Bela.         |
| OLONAISE    | "From Eugene Onezin"         | Tschatkovsky. |
- 11-45 a.m. **Light Classical Music.**  
By SANGIT RATNA V. N. PATWARDHAN.
- 1-0 p.m. *Close down.*
- 6-0 p.m. **Marathi Ballad Songs.**  
By KRISHNANATH BALWANT DIVEKAR.
- 7-35 p.m. **Morning Study.**  
(A Farical play in Marathi).  
(H.M.V.)
- 7-50 p.m. **NEWS IN HINDI.**
- 8-0 p.m. **Light Classical Music.**  
By BAI SARASWATIBAI FATARFEKAR.  
With Sarangi, Harmonium and Tabla.
- 9-30 p.m. **NEWS IN ENGLISH.**
- 9-45 p.m. **The King's Tryall.**  
(A B.B.C. Recorded Programme).
- 10-30 p.m. **GOD SAVE THE KING-EMPEROR.**

# Calcutta

VUC 370.4 metres 810 k/cs. 49.10 metres 6,109 kc/s.

- 9-0 a.m. *Time Signal.*  
**Vocal Music (Bengali).**  
NALINI KANTA LAHIRI.
- 9-15 a.m. **SURENDRA CHANDRA CHAKRAVARTY.**
- 9-30 a.m. **MISS HARIMATY.**
- 9-50 a.m. **HARSHADEV ROY.**
- 10-10 a.m. **KUMAR SACHIN DEB BURMAN.**
- 10-40 a.m. **Review of Stage and Screen** by CHITRA GUPTA.
- 11-0 a.m. **Summary of News in Bengali.**  
SB
- 11-15 a.m. **Musical Selections from the Studio.**  
SB
- 11-30 a.m. **Robert Pikler and his Hungarian Orchestra.**  
SB  
**Morning Musical Concert.**  
Relayed from "Firpo's" Restaurant, Calcutta.  
(By kind permission of the Management).  
Interval Item Artiste: **Kathleen Hill**, L.R.A.M., A.R.C.M.—Pianist.  
Summary of News in English.
- 1-30 p.m. *Time Signal.*  
*Close down.*
- 6-0 p.m. *Time Signal.*  
SB **Church Service Relayed from St. John's Church, Calcutta.**
- 7-15 p.m. **A special Programme in Memory of Late KUMARI NILIMA BOSE.**

- 9-15 p.m. **News Bulletin in Bengali.**  
SB
- 9-30 p.m. **News Bulletin in English.**  
SB
- 9-45 p.m. **A Weekly Summary of Sporting Events—**  
SB  
By BERTIE MEYER.
- 10-0 p.m. **GOD SAVE THE KING-EMPEROR.**

*Time Signal.*

*Close down.*

# Delhi

VUD 340.136 metres. 882 Kc/s.

- 7-0 p.m. *Time Signal.*  
**Classical Concert.**  
By RAMZAN KHAN of Delhi.
- 7-45 p.m. **"Wa Qurban."**  
(The Offerings of Love).  
By I.B.S. Orchestra.  
(Under S. S. NIAZI.)
- 8-0 p.m. **RAMZAN KHAN. Ghazals.**
- 8-20 p.m. **Classical Songs.** Miss ANWAR of Agra.
- 9-15 p.m. **News in Hindustani.**
- 9-30 p.m. *Time Signal.*  
**News in English.**
- 9-45 p.m. **A Band Concert.**  
By The Band of the 4th Btn., Prince of Wales Own 8th Punjab Regiment.  
(By kind permission of Lieut.-Col. R. B. Harward, O.B.E., and the Officers).  
Conducted by JEMADAR WAZIR ALI.
- |               |                          |            |
|---------------|--------------------------|------------|
| 1. MARCH      | -The Mountain Gnomes.    | Eilenberg. |
| 2. OVERTURE   | -Crown Diamonds          | Auber.     |
| 3. VALSE      | -Conversation Piece      | Coward.    |
| 4. SELECTION  | -The Condoliers          | Sullivan.  |
| 5. INTERMEZZO | -The Wedding of the Rose | Jessel.    |
| 6. SELECTION  | -On With the Show        | Nicholls.  |
| 7. FOX TROT   | -Easter Parade           | Berlin.    |

10-45 p.m. *Close down.*

# B. B. C.

## TRANSMISSION 1.

GSG 15,140 kc/s (19.82 m.), GSB 9,510 kc/s (31.55 m.)

- 8-30 a.m. **Big Ben. England v. New Zealand. \***  
A running commentary on the Rugby Union football match. by Captain H. B. T. Wakelam, relayed from Twickenham.  
(By courtesy of the Rugby Football Union).  
*Greenwich Time Signal at 9-30 a.m.*
- 10-0 a.m. **British Composers. A Recital by Betty Ayliffe (Pianoforte).**  
Ragamuffin (John Ireland) Elizabeth (Parry). Sing a Song of Sixpence (Leo Liveness). Valsette (Elsie Horne). Nos. 1 and 5 (Gavotte) (from Five Pieces) (Balfour Gardiner). A Romp (York Bowen).
- 10-15 a.m. **Weekly Newsletter and Sports Summary.**
- 10-35 a.m. *Close down.*

## TRANSMISSION 2.

GSG 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.)

- 12-0 p.m. **Big Ben Weekly Newsletter and Sports Summary.**

- 12-20 p.m. **England v. New Zealand. \***  
Interval summary and a running commentary on the second half of the Rugby Union Football match by Captain H. B. T. Wakelam, relayed from Twickenham. (By courtesy of the Rugby Football Union).

*Greenwich Time Signal 1-0 p.m.*

- 1-10 p.m. **A Sonata Recital by Margot Macgibbon (Canadian Violinist) and Frederick Jackson (Pianoforte).**

Sonata in A minor, Op. 23 : (1) Presto (2) Andante scherzoso piu allegretto (3) Allegro molto (Beethoven). Sonata in C sharp minor, Op. 21 : (1) Allegro appassionato (2) Allegro ma con tenerezza (3) Vivace assai (Dobnanyi).

1-45 p.m. *Close down.*

## TRANSMISSION 3.

Two of the following frequencies will be used :  
GSG 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.),  
GSE 11,860 kc/s (25.29 m.), or GSB 9,510 kc/s (31.55 m.)

- 2-0 p.m. **Big Ben. The Cellini Trio.**

Hydropaten Waltz (Gungl). Old French Melody (Traditional). Gavotte in D (Bach). Hungarian Dance, No. 10 (Brahms). Duo, Petit mari et petite femme (Jeux d'Enfants) (Bizet). Allegretto (Sonata in D, No. 15) (Mozart). Scene et pas d'action (Delibes). Gavotte (Gluck-Brahms). Romance (Tchaikovsky). Minuet (Raffi). Lullaby (Idris Lewis). Flight of the Bumble Bee (Reimsky-Korsakov). Gigue (Graun). Waltz in D flat, Op. 64, No. 1 (Chopin). (Arrangements by Richard Charlton and Margaret Gruffydd.

- 2-45 p.m. **A Religious Service, \* relayed from Croydon Parish Church.**

Order of Service : Hymn, Bethlehem of Noblest Cities (A. and M., 76 ; S.P., 84) ; Confession and Absolution ; Versicles and Lord's Prayer ; Venite ; Psalm 97 ; Lesson, Matthew 2, 1-12 ; Carol (sung by the choir only) in Asia Born, from Asia Hailed (S.P., 91) ; Collects and Prayers ; Hymn, The Race that Long in Darkness Pined (A. and M., 80 ; S.P., 96) ; Address by the Right Rev. the Bishop of Croydon ; Hymn, As with Gladness Men of Old (A. and M., 79 ; S.P., 83) ; Blessing. Organist and choirmaster, H. Leslie Smith.

- 3-30 p.m. **The B.B.C. Empire Orchestra ; leader, Daniel Melsa ; conductor, Eric Fogg.**

Overture, Abu Hassan (Weber). Selection, L'enfant prodigue (Wormser). Ballet, Le Cid : (1) Castillane (2) Andalous (3) Aragonaise (4) Aubade (5) Catalane (6) Madrilene (7) Navarraise (Massenet). Gavotte et Menuet Poudres for Stings (Galeotti). In the Spinning Room (Dvorak). Rhapsody, Espana (Chabrier).

*Greenwich Time Signal at 4-30 p.m.*

- 4-30 p.m. **Weekly Newsletter and Sports Summary.**
- 4-50 p.m. **Eugene Pini and his Tango Orchestra with Diana Clare.**

Slav Rhapsody (Volpatti). Roses of Picardy (Haydn Wood).

5-0 p.m. *Close down.*

## TRANSMISSION 4.

Part I. Two or three of the following frequencies will be used :  
GSI 15,260 kc/s (19.66 m.), GSD 11,750 kc/s (25.53 m.),  
GSB 9,510 kc/s (31.55 m.), GSL 6,110 kc/s (49.10 m.)

Part II. Two of the following frequencies will be used :  
GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
GSA 6,050 kc/s (49.59 m.)

### PART I.

- 5-15 p.m. **Big Ben. The B.B.C. Theatre Orchestra ; leader, Montague Brearley ; conductor, Stanford Robinson.**
- 6-0 p.m. **Weekly Newsletter and Sports Summary.**
- 6-20 p.m. **The Celebrity Trio.**  
The Alluring Dancer (Clifford Hellier). Obstation (Fontenailles). Dance of Puck (Leslie Woodgate).
- 6-30 p.m. **The B.B.C. Orchestra (Section C), conducted by Joseph Lewis. David Wise (Violin).**  
Overture, Athalie (Mendelssohn). Entr'acte (Suite, Shylock) (Faure). David Wise with Orchestra : Serenade melancolique (Tchaikovsky), Tarantelle (Frederic d'Erlanger) (Solo Violin, David Wise). Suite, Frescoes : (1) Vienna 1913 (2) Sea Shanties (3) The Band Stand—Hyde Park (First Performance) (Haydn Wood). David Wise with Pianoforte : Improvisation (Ernest Bloch), Allegro (Vioco). Selection, Ballet Music (The Sicilian Vespers) (Verdi).
- Greenwich Time Signal at 7-0 p.m.*
- 7-45 p.m. **A Recital by John Wills (Pianoforte).**  
Prelude, Minuet, and Reel (Thomas Pitfield).
- 7-55 p.m. **A Religious Service (Interdenominational), Relayed from The Central Hall, Birmingham, conducted by the Rev. Noel F. Hutchcroft.**  
Order of Service : Choral Prelude, I will Arise and Go to my Father (Wolstenholme) ; Invocation : Hymn, Ye Servants of God, your Master Proclaim (Tune, Laudate

Dominum M.H.B., 426; A. and M., 704); Lesson, St. John xvii; Anthem, O Gladsome Light (Sullivan). Prayer: The Lord's Prayer's Hymn, Let us Join, 'tis God Commands (Tune, Vienna, M.H.B., 713); Address by the Rt. Rev. J. H. Linton (Rector of Handsworth); Hymn, Standing at the Portal of the Opening Year (Tune, St. Gertrude, M.H.B., 955); Blessing, The Central Hall Choir; choirmaster J. A. Sheasby; organist, George Plant.

8-45 p.m. *Close down.*

**PART II.**

9-0 p.m. Talk: "The Spice of Life."

9-15 p.m. Callender's Senior Band; conductor, Tom Morgan. Owen Bryngwyn (Baritone).

Band: Poem (Fibich), A Japanese Carnival (De Basque), Lyndhurst (K. A. Wright). Owen Bryngwyn with Piano-forte: Deirdre's Farewell to Scotland (arr. Kennedy Fraser), Once Again in Dear Old Gwalia (arr. E. D. Williams). Band: Coquette (R. Chignell), Excerpts from The Vagabond King (Friml).

9-45 p.m. Weekly Newsletter and Sports Summary (Second Reading).

*Greenwich Time Signal at 10-0 p.m.*

10-5 p.m. Albert Sandler and the Park Lane Hotel Orchestra, relayed from the Park Lane Hotel, London.

10-45 p.m. *Close down.*

**TRANSMISSION 5.**

Two of the following frequencies will be used:

GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
GSL 6,110 kc/s (49.10 m.), GSA 6,050 kc/s (49.59 m.).

11-0 p.m. Big Ben. A Religious Service,\* relayed from St. Marie's Church, Sheffield (Roman Catholic).

Order of Service: Hymn, Come, Holy Ghost (W. H., 47) Prayers; Carol, Come, Christian Men; Address by the Rev. T. Bentley; Hymn, Jesus, My Lord (W.H. 72) Benediction: O Salutaris (Tallis); Motet, Cibavit Eos (Tye); Tantum Ergo; Chorale (J. S. Bach); Adoremus (Plain Chant). Organist, Edward Hirst.

11-50 p.m. Chamber Music. The Griller String Quartet: Sydney Griller (Violin), Jack O'Brien (Violin), Philip Burton (Viola), and Colin Hampton (Violoncello). Sinclair Logan (Baritone). Quartet: Quartet in F major: (1) Presto (2) Andante cantabile (3) Menuetto (4) Scherzando (Haydn). Sinclair Logan: Eight Biblical Songs, Op. 98;

Clouds and Darkness; Hear my Prayer, O Lord; God is my Shepherd; I will Sing New Songs of Gladness; By the Waters of Babylon; Turn Thee to me; I Will Lift Mine Eyes; Sing ye a Joyful Song (Dvorak). Quartet: Quartet No. 1 in G major: (1) Allegretto semplice (2) Lento e Bax molto espressivo (3) Rondo. Allegro vivace (Arnold.)

*Greenwich Time Signal at 12-0 midnight.*

12-45 a.m. Weekly Newsletter and Sports Summary.

1-5 a.m. *Close down.*

\*Electrical recording.

†Gramophone records.

**German**

**SOUTH ASIA.**

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31-38 Metres.	6-30—8-15	11-00—12-45
DJQ—19-63 "		
DJN—31-45 "	9-45—13-15	14-15—17-45
DJB—19-74 "		
DJN—31-45 "	14-00—17-30	18-30—22-00
DJN—31-45 "		
DJA—31-38 Metres.	6-30—8-15 Musical Entertainment and News.	
DJN—31-45 "		
DJQ—19-63 "		

Berlin Time.

9-45 Call DJB, DJN (German, English). German Folk Song. Programme Forecast (Germ., Engl.) Outstanding Broadcasts of the Week.

10-0 Hitler Youth Programme. New Songs for the Young Folk.

10-15 Trio No. 1 in D major by Joh. Adolf Sixt. Paul Rotsch, Violin; Adolf Kirschke, Cello; Hans Oskar Hasse, Piano.

10-30 News and Review of the Week in English.

10-45 Relayd from Stuttaart. "Zunftig"—a Ski-Night in Suabia.

11-45 News and Review of the Week in German.

12-0 Concert of Light Music.

13-0 News and Review of the Week in English.

13-15 Close DJB, DJN (Germ., Engl.)

**EAST ASIA.**

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31-38 Metres.	6-30—8-15	11-00—12-45
DJQ—19-63 "	7-00—7-15	11-30—11-45
DJA—31-38 "	8-00—8-15	12-30—12-45
DJN—31-45 "	14-00—17-30	18-30—22-00
DJN—31-45 "	6-30—8-15	11-00—12-45
DJN—31-45 "	14-00—17-30	18-30—22-00

Berlin Time.

14-0 DJA, DJN Announcement (Germ., Engl.). German Folk Song. Programme Forecast (Germ., Engl.) Outstanding Broadcasts of the Week.

14-15 Something for Sunday Evening.

14-30 The "Dante-Sonata" by Franz Liszt. At the piano: Eberhard Rebling.

14-45 News and Review of the Week in English on DJA and in Dutch on DJN.

15-0 A Rendezvous from North, East, South and West. A Merry Wrangle.

16-0 Trio No. 1 in D major by Joh. Adolf Sixt. Paul Rotsch, Violin; Adolf Kirschke, Cello; Hans Oskar Hasse, Piano.

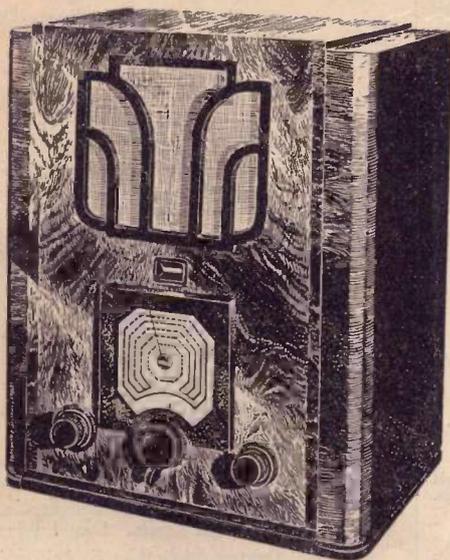
16-15 News and Review of the Week in German on DJA and DJN.

16-30 Music and Poetry. String Quartet in D minor by Franz Schubert (Death and the Maiden); Verses by Nicolaus Lenau.

17-15 News and Review of the Week in English on DJA and in Dutch on DJN.

17-30 Close DJA, DJN (Germ., Engl.)

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# Bombay

VUB 350.9 metres 855 kc/s.

- 12-0 noon. Selection of Indian Music.
- 1-0 p.m. Available Market Rates.  
Selection from Musical Comedies.
- 2-0 p.m. *Close down.*
- 5-30 p.m. Recorded Selections.
- 6-10 p.m. Light Music.  
By Mrs. VENUBAI DEWASTALI.
- 7-0 p.m. Commercial News.
- 7-15 p.m. Shree Bhagwat Geeta Pravachana (In Hindi)  
By PANDIT LAXMANRAO OGHALE.
- 7-30 p.m. Twenty Minutes with  
KHAN SAHEB ABDUL KARIM KHAN.
- 7-50 p.m. News in Hindi.
- 8-0 p.m. Sitar Solos.  
By JAFFARKHAN.
- 9-0 p.m. M. Rafique Ghaznavi  
will sing  
Khyal and Thumri (Northern style).  
Gazal (in Sindh Bhairavi).
- 9-30 p.m. News in English.
- 9-45 p.m. India and the World.
- 10-0 p.m. Leon Abbey and His Band.  
(By kind permission of the Management, The  
India Hotels Co., Ltd.)
- 11-0 p.m. GOD SAVE THE KING-EMPEROR.

# Calcutta

VUC 370.4 metres 810 kc/s. 49.10 metres 6,109 kc/s.

- 1-0 p.m. *Time Signal.*  
SB Sydney Pearch's Sextette.  
A Light Orchestral and Vocal Concert from  
The Studio.  
A Selection of Wilfrid Sanderson's Songs - Arr. Baynes  
A Selection "Nell Gwyn Dances" - German  
A Selection "Tiny Tots Parade" - Burgess  
A Selection "La Lisnjera" - Chaminade  
Two Songs - (Selected) by Mr. H. Wells - Baritone.  
MUSICAL COMEDY "The Cat and The Fiddle" - Kern.  
WALTZ "Flattergeister" - J. Strauss.
- Calcutta Weather Bulletin for Océanraft and Rivercraft (if any).
- 2-0 p.m. Educational Broadcast for School Students  
By NRIPEN CHATTERJEE.  
Famous Voyages of the World.  
(a) In Search of an Earthly Paradise.  
(School Authorities would greatly help the Lecturer at the Microphone if they would put up a wall Map of Africa before the listening Scholars).
- 3-0 p.m. Talk By BISHNU SARMA.  
"Round the Pacific Walls."
- 3-30 p.m. *Time Signal.*  
*Close down.*
- 6-0 p.m. *Time Signal.*  
Vocal Music (Bengali).  
Miss USHABATY AND RANJIT ROY—Comic Duet.
- 6-10 p.m. Rural Reconstruction Series—Talk.
- 6-30 p.m. Mixed Bengali Songs.  
SB Miss PROFULLABALA—Modern.
- 6-45 p.m. GIRIN CHAKRAVARTY—Ballad.
- 7-0 p.m. KUMAR KRISHNAJIT DEB BURMAN—Light Classic.
- 7-15 p.m. SANTOSH SEN—Modern.
- 7-30 p.m. HARIDAS BANERJEE—Comic.
- 7-45 p.m. Miss BINAPANY—Modern.
- 8-5 p.m. Instrumental Music.  
SANTOSH BANERJEE—Clarinet Solo.

- 8-15 p.m. Weather Forecast, 1st News Bulletin, Market Prices, Jute and Gunny Closing Rates. (In English).  
SB
- 8-30 p.m. An Empire Programme from Daventry.
- 9-15 p.m. Weather Forecast, General News Bulletin, Market Prices, Jute and Gunny Closing Rates. (In Bengali).
- 9-30 p.m. Vocal Music (Bengali).  
KRISHNA CHANDRA GHOSH.
- 9-50 p.m. Miss ANGURBALA.
- 10-10 p.m. Interesting News of the World by CHITRA GUPTA.
- 10-30 p.m. 2nd News Bulletin in English.  
SB
- 10-45 p.m. GOD SAVE THE KING-EMPEROR.  
*Time Signal.*  
*Close down.*

# Delhi

VUD 340.136 metres. 882 Kc/S.

- 6-0 p.m. *Time Signal.*  
I.B.S. Orchestra.  
(Conducted by S. S. NIAZI).
- 6-15 p.m. Light Music.  
By Mr. B. SINGH of Simla.
- 6-45 p.m. A Sarangi Solo.
- 7-0 p.m. A Ghazal By Master HAIDER.
- 7-10 p.m. Miss DURGA BAI of Delhi.—Thumris and Ghazals.
- 7-30 p.m. "Speech by a Novice". By ZAB.
- 7-45 p.m. Dadras and Ghazals by Miss DURGA BAI.
- 8-10 p.m. "An Egyptian Dance."  
By I.B.S. Orchestra.
- 8-25 p.m. Miss DURGA BAI.—More Songs.
- 8-45 p.m. Dulcitone Solo. By S. S. NIAZI.
- 8-55 p.m. Miss DURGA BAI—Songs.
- 9-15 p.m. News in Hindustani.
- 9-30 p.m. *Time Signal.*  
News in English.
- 9-45 p.m. "Going East"—A Traveller's Impressions.  
Mr. L. H. KIRKNESS, D.S.O., O.B.E., V.D.

Mr. L. H. Kirkness who travelled back to England last year via the Far East and America gives some impressions of his journey.

## A DANCE NIGHT.

- 10-0 p.m. Louis and His International Aces.
- 1. FOX TROT "I'll B.B.C.-ing You." } Marlon and Montgomery.
  - 2. FOX TROT "When baby plays the Rumba." } Leo Towers, Harry Leon, H. Nicholls.
  - 3. FOX TROT "You are my lucky star" (from "Broadway melody" of 1936) } N. H. Brown.
  - 4. VALSE "When you are only seventeen" } C. Wark.
  - 5. FOX TROT "Sailing with the breeze" (from "Tulip Time") } C. Wark.
  - 6. FOX TROT "I've got a feeling you're Foolin'" } N. H. Brown.
  - 7. SLOW FOX TROT "St. Louis Blues" } W. C. Handy.
  - 8. FOX TROT "The night is young (from "The night is young") } S. Romberg.
  - 9. FOX TROT "The little golden locket" } J. Kenedy.
  - 10. VALSE "When I grow too old to dream" } S. Romberg.
  - 11. HOT F. T. "Stuff" } H. Brooks.
  - 12. FOX TROT "I'll never say 'Never again'" } H. Woods.
  - 13. VALSE "Valse Vanite" } R. Wiedoeff.
  - 14. FOX TROT "Rhythm is our business" } J. Lunceford.
  - 15. TANCO "La Rosita" } P. Dupont.
  - 16. FAST, F. T. "12th Street Rag" } L. Bowman.
- 11-0 p.m. *Close down.*

# B. B. C.

## TRANSMISSION I.

GSF 15,140 kc/s (19.82 m.) GSB 9,510 kc/s (31.55 m.)

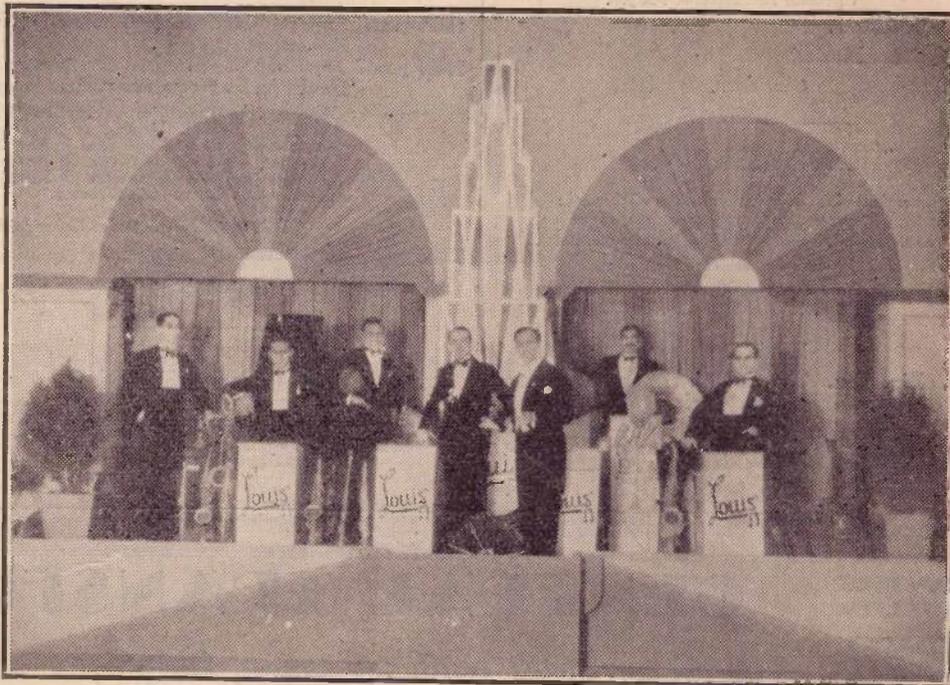
8-30 a.m. Big Ben. The B. B. C. Empire Orchestra ; leader, Daniel Melsa ; conductor, Eric Fogg.

March, Soaring (Nowowieski). Overture, Prince Methusalem (Johann Strauss). La Gitana (Kreisler). Suite, Chelsea China : (1) Curtain (2) Minuet (3) Pastorale (4) Piper (5) Soldiers (Besly). Waltz, Manola (Waldteufel)

9-15 a.m. "High Spots"—No. 11 : Grosvenor House, London.

A descriptive commentary from the roof of Grosvenor House, giving a view over Park Lane, Hyde Park, and Mayfair.

Greenwich Time Signal at 9-30 a.m.



LOUIS AND HIS INTERNATIONAL AGES, who will broadcast from the Delhi Station a programme of Dance music on Monday, the 6th January.

- 9-30 a.m. **A Recital by William Pleeth (Violoncello)**  
Elegy (Martini, arr. Squire). Tarantella; Prayer (W. H. Squire). Spanish Dance, No. 5 (Popper).
- 9-50 a.m. **Variety.**†
- 10-15 a.m. **The News.**
- 10-35 a.m. *Close down.*

**TRANSMISSION 2.**

- GSG 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.)
- 11-0 a.m. **Big Ben. A Recital of New Gramophone Records.**
  - 11-30 a.m. **Mixed Pickles—7th Edition.\***  
A sketch, stunt, and song show—bottled by Cecil Madden.  
*Greenwich Time Signal at 12-0 noon.*
  - 12-15 p.m. **Haydn Heard and his Band, relayed from the West End Cinema, Birmingham.**  
By the Sleepy Lagoon (Eric Coates). I can Wiggle my Ears (Sigler). Selection, Sweet Adeline (Kern).
  - 12-30 p.m. **The B.B.C. Midland Orchestra.**
  - 1-0 p.m. **The News.**
  - 1-20 p.m. **Violin and Song Recital.**†
  - 1-45 p.m. *Close down.*

**TRANSMISSION 3.**

- Two of the following frequencies will be used:  
GSG 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.),  
GSE 11,860 kc/s (25.29 m.), or GSB 9,510 kc/s (31.55 m.)
- 2-0 p.m. **Big Ben. "Christmas Cabaret."\***  
A sleek, sophisticated, surprise show, with Queenie Leonard and Edward Cooper; Viola Lyel; Jack Clewes; a sketch; Jack Mitchell's Apache Band. Produced by Cecil Madden.
  - 2-45 p.m. **"Education by Correspondence in Australia."\***  
A talk by Linda Littlejohn.
  - 3-0 p.m. **The B.B.C. Northern Ireland Orchestra; leader, Philip Whiteway; conductor, E. Godfrey Brown.**  
Overture, Prince Igor (Borodin). Ballet Suite, Op. 8: (1) Sarabande (2) Pas d'action (3) Polka (4) Petite Valse (Pogoreff). Intermezzo Nos. 1 and 2 (The Jewels of the Madonna) (Wolf-Ferrari). Four Traditional Irish Dances: (1) The Leprechauns (2) Fill the Bumper (3) Lament (4) The Rakes of Mallow (arr. Gerrard Williams). Selection, Tom Jones (Edward Gorman). Two Hungarian Dances, Nos. 2 and 7 (arr. Haen).
  - 4-0 p.m. **Sonata Recital. Anthony Collins (Viola) and Kathleen Cooper (Pianoforte).**  
Fantasy for Viola and Pianoforte (Benjamin Dale).  
*Greenwich Time Signal at 4-30 p.m.*
  - 4-30 p.m. **The News.**
  - 4-50 p.m. **Dance Music.**†
  - 5-0 p.m. *Close down.*

**TRANSMISSION 4.**

- Part I. Two or three of the following frequencies will be used:  
GSI 15,260 kc/s (19.66 m.), GSD 11,750 kc/s (25.53 m.),  
GSB 9,510 kc/s (31.55 m.), GSL 6,110 kc/s (49.10 m.)
- Part II. Two of the following frequencies will be used:  
GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
GSA 6,050 kc/s (49.59 m.)
- PART I.**
- 5-15 p.m. **Big Ben. The B.B.C. Dance Orchestra, directed by Henry Hall.**
  - 6-0 p.m. **The News.**
  - 6-15 p.m. **Instrumental Novelties.**†

- 6-30 p.m. **The B.B.C. Military Band; conductor, B. Walton O'Donnell; Margaret Balfour (Contralto).**  
*Greenwich Time Signal at 7-0 p.m.*
- 7-15 p.m. **Mantovani and his Tipica Orchestra.**  
Rusticarella (Cortopassi). Love me Forever (Schertzinger). Fantasia Tripolina (Billi). Sweet Louise (Evans). Poem (Fibeh). Selection of Famous Musical Comedies (arr. Mantovani). Mon Amour (Paolito). Go into your Dance (Warren).
- 7-45 p.m. **Interlude.**†
- 7-50 p.m. **The B.B.C. Orchestra (Section C), conducted by Gideon Fagan.**  
Overture, The Merry Wives of Windsor (Nicolaï). Two Pieces, Dream Children (Elgar). Selection, La boutique fantasque (Rossini-Respighi, arr. Howard Carr.) Suite Breve: (1) Menuet (2) Berceuse (3) Air de Ballet (Aubert).
- 8-30 p.m. **"Mixed Pickles—Seventh Edition."\***  
A sketch, stunt, and song show—bottled by Cecil Madden.
- 9-15 p.m. *Close down.*

**PART II.**

- 9-30 p.m. **Dance Music.**†
- 9-40 p.m. **"High Spots"—No. 11: Grosvenor House, London.\***  
A descriptive commentary from the roof of Grosvenor House, giving a view over Park Lane, Hyde Park, and Mayfair.
- 9-55 p.m. **Promenade Concert, relayed from the Queen's Hall, London. (Sole Lessees, Messrs. Chappell and Co., Ltd.). Wagner Programme—Part II. Parry Jones (Tenor). The B.B.C. Symphony Orchestra (Principal Violin, Marie Wilson), conducted by Sir Henry J. Wood.**  
Overture, Tannhauser. Prize Song (Die Meistersinger von Nurnberg) (Soloist, Parry Jones). The Ride of the Valkyries (Die Walkure).  
*Greenwich Time Signal at 10-0 p.m.*
- 10-25 p.m. **The News.**
- 10-40 p.m. **Dance Music.**†
- 10-45 p.m. *Close down.*

**TRANSMISSION 5.**

- Two of the following frequencies will be used:  
GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
GSL 6,110 kc/s (49.10 m.), GSA 6,050 kc/s (49.59 m.)
- 11-0 p.m. **Big Ben. "Twelfth Night."**  
A dissertation upon the removal of holly and other Christmas decorations. Presented by W. L. Hanchant and John Pudney.
  - 11-30 p.m. **Talk: "Revisited"—London.\* By Max Beerbohm.**
  - 11-50 p.m. **The B.B.C. Empire Orchestra; leader, Daniel Melsa; conductor, Eric Fogg.**  
Overture, The Italian in Algiers (Rossini). Selection, La Tosca (Puccini). Virginia, A Southern Rhapsody (Haydn Wood). Ballet Music from Hamlet, La Fete du Printemps: (1) Danse villageoise (2) Pas des chasseurs (3) Pantomime (4) Valse mazurke (5) Scene du bouquet (6) La Freya (7) Strette finale (Thomas).
  - 12-45 a.m. **The News.**
  - 1-0 a.m. *Close down.*

**TRANSMISSION 6.**

- Two of the following frequencies will be used:  
GSD 11,750 kc/s (25.53 m.), GSC 9,580 kc/s (31.32 m.),  
GSL 6,110 kc/s (49.10 m.)

- 3-0 a.m. **Big Ben. A Recital by Gwladys Garside (Cotralto) and Guy Eldridge (Organ).**  
Guy Eldridge: Piece heroique (Franck), Prelude in F, Op. 101, No. 1 (Standford). Gwladys Garside: The Monkey's Carol; The Bold, Unbiddable Child; a Japanese Lullaby (Stanford). Guy Eldridge: Improvise in A (Goodhart), Grand Choeur in A (Salome). Gwladys Garside: The Shepherd's Song (Elgar), I Have Twelve Oxen (John Ireland), Sea Wrack (Hamilton Hart). Guy Eldridge: Toccata for the Flutes (John Stanley, arr. Harry Wall), Marche Pontificale (from 1st Symphony) (Widor).  
*Greenwich Time Signal at 3-30 a.m.*
- 3-45 a.m. **Weekly Newsletter and Sports Summary.**
- 4-5 a.m. *Close down.*

\* Electrical recording. † Gramophone records.

**German SOUTH ASIA.**

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31.38 Metres.	6-30—8-15	11-00—12-45
DJQ—19.63 "		
DJN—31.45 "		
DJB—19.74 "	9-45—13-15	14-15—17-45
DJN—31.45 "		
DJN—31.45 "	14-00—17-30	18-30—22-00
DJA—31.38 "	6-30—8-15	Musical Entertainment and News.
DJN—31.45 "		
DJQ—19.63 "		

Berlin Time.

- 9-45 **Call DJB, DJN (German, English). German Folk Song. Programme Forecast (Germ., Engl.)**
- 10-0 **Dance Music.**
- 10-30 **News in English.**
- 10-45 **Orchestral Concert.**
- 11-45 **News in German.**
- 12-0 **Concert of Light Music.**
- 13-0 **News in English.**
- 13-15 **Close DJB, DJN (Germ., Engl.)**

**EAST ASIA.**

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31.38 Metres.	6-30—8-15	11-00—12-45
DJQ—19.63 "		
DJN—31.45 "		
DJA—31.38 "	14-00—17-30	18-30—22-00
DJN—31.45 "		
DJN—31.45 "	6-30—8-15	11-00—12-45
DJN—31.45 "	14-00—17-30	18-30—22-00

Berlin Time.

- 14-0 **DJA, DJN Announcement (Germ., Engl.) German Folk Song. Programme Forecast (Germ., Engl.)**
- 14-15 **Orchestral Concert.**
- 14-45 **News in English on DJA and in Dutch on DJN.**
- 15-0 **Orchestral Concert (continued).**
- 15-30 **Musical Rarities. The Kilsche-Frankel Orchestra; Georg Breithofer, Saxophone, Tin Flute; H. Germersdorf, Trautonium, Cembalo; F. Germersdorf, Block Flute; Eberhard Glombig, Piano.**
- 16-15 **News in German on DJA and DJN.**
- 16-30 **Today in Germany. Sound Pictures.**
- 16-45 **Dance Music.**
- 17-15 **News in English on DJA and in Dutch on DJN.**
- 17-30 **Close DJA, DJN (Germ., Engl.)**



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# Bombay

VUB 350.9 metres 855 kc/s.

- 12-0 noon. Selection of Indian Music.
- 1-0 p.m. Available Market Rates.  
**Albert Sandler and His Orchestra.**  
(A Columbia Programme).
- 2-0 p.m. Relay from Rotary Club (If available)
- 2-30 p.m. Close Down.
- 5-30 p.m. Relay of Music from Capitol Cinema.  
(By kind permission of the Management.)
- 6-30 p.m. **Light Music.**  
By Miss GULAB DHARADHAR.
- 7-0 p.m. **Commercial News.**
- 7-15 p.m. **"In and Around Bombay."**  
A Weekly summary of events in and around Bombay during the past week, garnered and presented by "BHRAMAR".
- 7-30 p.m. **"Gunavanti"**  
A Gujarati Play.  
Presented by H. M. V. DRAMATIC PARTY.
- 7-50 p.m. **News in Hindi.**
- 8-0 p.m. **Light Music.**  
By JAMNABAI HUBLIKAR.
- 9-30 p.m. **News in English.**
- 9-45 p.m. A Review of Gramophone Records.
- 10-30 p.m. **Violin Recital (H.M.V.)**  
JASCHA HEIFETZ.
- 11-0 p.m. GOD SAVE THE KING-EMPEROR.

We regret that for various reasons it has not yet been possible to synchronize the publication of B.B.C. Empire programmes exactly with that of the *Indian Listener*. It is hoped that this may be arranged shortly. Meanwhile the B. B. C. programmes for 29th-31st December 1935 will be found on pages 63 to 65 of this issue, and the B.B.C. Programmes for 12th, 13th, 14th and 15th January 1936 will appear in our next issue.

# Calcutta

VUC 370.4 metres 810 kc/s. 49.10 metres 6,109 kc/s.

- 1-0 p.m. Time Signal.  
SB **A Programme Arranged by Messrs. Taylor's Gramophone Saloon.**  
("H. M. V." Recording).  
**Coldstream Guards Band.**  
Overture. "Poet and Peasant"  
**Peter Dawson (Baritone).**  
"In a Persian Market."  
"Sanctuary of the Heart."  
**New Mayfair Orchestra.**  
"Love is Everywhere."—F.T.  
"Look Up and Laugh."—F.T.  
**Richard Crooks (Tenor).**  
"I Love You So."  
"Kathleen Mavourneen."  
**Harry Jacobson.**  
"Piano Medley in Dance Rhythm."  
**Alfredo & His Orchestra.**  
"Medley of Strauss Waltzes."  
"Spanish Gypsy Dance."  
**Sydney Gustard (Cinema Organ).**  
"Narcissus."  
"Gypsy Moon."
- 1-40 p.m. A Talk.  
SB (Approx.) Relayed from the Great Eastern Hotel, Calcutta. By a Member of the Rotary Club.  
(By kind permission of the Rotary Club of Calcutta)  
Calcutta Weather Bulletin for Oceanraft and Rivercraft (if any).

- 2-0 p.m. **Musical Selections (Recorded).**
- 2-30 p.m. **Talk by BISHNU SARMA—"The Cultural Achievements of Women in the Twentieth Century."**
- 3-30 p.m. Time Signal.  
Close down.
- 6-0 p.m. Time Signal.  
**Talk By MEJDIDI:—**  
(a) Letters and Riddles.  
(b) The Clerk Who Made an Empire.  
(c) Air Stories—(True Sketch).
- 7-0 p.m. **Music Training for Beginners by P. K. MULLICK**
- 7-20 p.m. **Vocal Music (Bengali).**  
SREEMATY PROVABATY DUTTA.
- 7-40 p.m. **Instrumental Music.**  
BETAR ORCHESTRA, under the direction of T. N. DEY.
- 7-55 p.m. **Light Classical Songs.**  
Miss KAMALABALA.
- 8-15 p.m. **Weather Forecast, 1st News Bulletin, Market Prices, Jute and Gunny Closing Rates. (In English).**  
SB
- 8-30 p.m. **Light Classical Songs.**  
Miss MANICKMALA.
- 8-45 p.m. Miss RADHARANY.
- 9-0 p.m. **Instrumental Music.**  
GOKUL CHANDRA NAG—*Seetar Solo.*
- 9-15 p.m. **Weather Forecast, General News Bulletin, Market Prices, Jute and Gunny Closing Rates. (In Bengali)**  
SB
- 9-30 p.m. **A Choral and Instrumental Studio Concert.**  
Arranged and Directed By The Rev. T. H. CROXALL Mus. Bac.
- 10-30 p.m. 2nd News Bulletin in English.  
SB
- 10-45 p.m. **Dance Music (Recorded).**  
SB From The Studio.
- 11-0 p.m. GOD SAVE THE KING-EMPEROR.  
Time Signal.  
Close down.

# Delhi

VUD 340.136 metres. 882 Kc/S.

- 6-0 p.m. Time Signal.  
**I. B. S. Orchestra.**  
(Under S. S. NIAZI).
- 6-15 p.m. **Classical Music.** WAZIR KHAN of Delhi.
- 7-0 p.m. **Sitar Solo.** By Master H. HUSAIN of Aligarh.
- 7-15 p.m. **Light Music.** Miss MUSHTAR of Meerut.
- 8-30 p.m. **Duet.—Bulbul Tarang and Violin.**
- 8-15 p.m. Miss MUSHTAR—Songs.
- 9-0 p.m. **Classical Song.** WAZIR KHAN of Delhi.
- 9-15 p.m. **News in Hindustani.**
- 9-30 p.m. Time Signal.  
**News in English.**
- 9-45 p.m. **The Public Services in India.**  
Sir DAVID PETRIE, Kt., C.I.E., C.V.O., C.B.E.  
Sir David Petrie has now been for four years Chairman of the Public Service Commission. Many candidates upon whom he has given a verdict will, no doubt, welcome the opportunity this evening of giving a verdict upon him.
- 10-0 p.m. **Band of H.M. 1st Btn., Royal Fusiliers.**  
(By kind permission of Lt.-Col. H. H. Cripps, D.S.O. and Officers).  
Conductor—H. E. HULL, M.M. Bandmaster.
  1. MARCH OF THE PEERS FROM THE OPERA "Iolanthe" - - - Sullivan.
  2. OVERTURE "Egmont" - - - Beethoven.

Beethoven was himself of heroic mood. His independent manly character. He was a democrat of democrats; his tragic affliction—for the last 30 years of his life he was deaf and never heard a note of the great works composed during that period; and his domestic trials make Beethoven's story one of great and pathetic interest. His music reflects the man himself and is clear and simple, with the simplicity of genius.

  3. ANGELUS FROM "Scenes Pittoresque" - - - Massenet.
  4. EXCERPTS FROM THE OPERA "La Boheme" - - - Puccini.

Here we have a modern Italian Opera, full of passion and tragedy. The tragedy is infinitely more poignant, if less ruthless than that in which PUNCHINELLO (II PAGLIACCI) took

such a leading part. To sweet and tuneful music the story of Murger's novel of Bohemian life in Paris has made this one of Puccini's most popular works.  
5. SCENE ESPAGNOLE "Sevillana" - - - Elgar.  
6. SELECTION FROM THE FILM "Roberta" - - - Jerome Kern.

**Introducing.**—"The touch of your hand" "Let's begin" "Yesterday" "I won't dance" "Smoke gets in your eyes" "You're devastating" "Lovely to look at."

**Regimental Marches.**  
**Rule Britannia.**  
**British Grenadiers.**

11-0 p.m.

Close Down.

# B. B. C.

## TRANSMISSION 1.

GSG 15,140 kc/s (19.82 m.) GSB 9,510 kc/s (31.55 m.)

- 8-30 a.m. **Big Ben. The B. B. C. Dance Orchestra,\*** directed by Henry Hall.
- 9-15 a.m. **A Recital by Marjorie Essex (Soprano) and Arthur Reckless (Baritone).**  
Marjorie Essex: What's in the Air To-day (Robert Eden). The Old Flagged Path; The Night Nursery (from the Song Cycle, Little White House) (Claude Arundale). Arthur Reckless: Hatfield Bells; The Wayfarer's Night Song; The crown of the Year (Easthope Martin). Marjorie Essex: Early in the Morning (Montague Phillips). Two Little Words (Brahe), Live, Laugh and Love (Arthur Klein). Arthur Reckless: The Fibroch (Stanford), The Song of Soldiers (Hely-Hutchinson), Five Eyes (Armstrong Gibbs).  
Greenwich Time Signal at 9-30 a.m.
- 9-45 a.m. **"Twelfth Night."\***  
A dissertation upon the removal of holly and other Christmas decorations. Presented by W. L. Hanchant and John Pudney.
- 10-15 a.m. **The News.**
- 10-30 a.m. Close down.

## TRANSMISSION 2.

GSG 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.)

- 11-0 a.m. **Big Ben. Sidney Torch, at the Organ of the Regal, Edmonton.**  
Gold and Silver (Leher). An April Shower at Kew (Haydn Wood). Farewell, Marita (Grundland). The Valley where Wishes Come True (Elliott). Selection, Two for To-night (Revel). Ballet Suite, Coppelia: (1) Slav Theme (2) Festival Dance (Delibes).
- 11-30 a.m. **"Harry Hopeful's Night on the Border."**  
A north country excursion devised by D. G. Bridson and E. A. Harding.  
Greenwich Time Signal at 12-0 noon.
- 12-25 p.m. **Musical Interlude.†**
- 12-30 p.m. **The Leicester Opera House Orchestra, conducted by Gordon Stewart. Relayed from the Opera House, Leicester.**  
March, Homage (Haydn Wood). Waltz Medley, The Rose of Stamboul (Fall). Windflowers (King). Selection, Heart's Desire (Tauber and Clutsam). Japanese Moonlight (Friml). I Found a Dream (Gornay).
- 1-0 p.m. **The News.**
- 1-15 p.m. **An Organ Recital.**
- 1-45 p.m. Close down.

## TRANSMISSION 3.

Two of the following frequencies will be used:

GSG 17,790 kc/s (16.86 m.), or GSF 15,140 kc/s (19.82 m.); GSE 11,860 kc/s (25.29 m.), or GSB 9,510 kc/s (31.55 m.)

- 2-0 p.m. **Big Ben. "Twelfth Night."\***  
A dissertation upon the removal of holly and other Christmas decorations. Presented by W. L. Hanchant and John Pudney.
- 2-30 p.m. **"Imperial Affairs." A talk by H. V. Hodson.**
- 2-45 p.m. **Pianoforte Recital.**
- 3-0 p.m. **The Torquay Municipal Orchestra; leader, Harold F. Pettis; conductor, Ernest W. Goss. Gerald Kassen (Baritone). Relayed from the Pavilion, Torquay.**  
Orchestra: Overture, Martha (Flotow). Folk Song Fantasy for Strings (conducted by the composer) (Harold C. Lake). Aria, Ella gammai m'amo (No, she has Never Loved me) (Don Carlos) (Soloist, Gerald Kassen) (Verdi). Suite, The Bartered Bride: (1) Overture, Village Scene, Love Duet, and

\*Electrical recording.

†Gramophone records.

Opening Chorus (2) Jenik's Aria and Dance of the Villagers (3) The Sextet (4) March of the Comedians, Teasing Duet, and Dance of the Comedians (Smetana). Gerald Kassen: The Song of the Horn (Flegier), Don Juan's Serenade (Tchaikovsky). Orchestra: Tchaikovsky Fantasy (John Foulds), Viennese Waltz (Strings only) (Poldini), Gerald Kassen: Slow, Horses, Slow (Mallinson), Roadside Fire (Vaughan Williams). Orchestra: Slavonic Rhapsody, No. 1 (Friedemann).

Greenwich Time Signal at 4-30 p.m.

- 4-30 p.m. The News.
- 4-45 p.m. Variety.†
- 5-0 p.m. Close down.

TRANSMISSION 4.

Part I. Two or three of the following frequencies will be used:  
 GSI 15,260 kc/s (19.66 m.), GSD 11,750 kc/s (25.53 m.),  
 GSB 9,510 kc/s (31.55 m.), GSL 6,110 kc/s (49.10 m.).  
 Part II. Two of the following frequencies will be used:  
 GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
 GSA 6,050 kc/s (49.59 m.).

PART I.

5-15 p.m. **Big Ben. The Bernard Crook Quintet.**  
 Suite of Dances (The Duenna): (1) Jig (2) Gavotte (3) Serenade (4) Fandango (Alfred Reynolds). Reverie du soir (Saint-Saens). Moorish Dance (Coleridge-Taylor). Irish Air. The Valley Lay Smiling before Me (arr. Bernard Crook). Lord Peter's Stable Boy (Grainger). Serenade espagnole (Chaminade, arr. Kreisler). Toreador et Andalouse (Rubinstein, arr. Bernard Crook). Lullaby (Cyril Scott). Will o' the Wisp (Quilter). Romance (Rubinstein, arr. Bernard Crook). Fantastic Waltz; (Glazounov).

- 6-0 p.m. The News
- 6-15 p.m. Ballet Music.†
- 6-30 p.m. An Organ Recital by Robinson Cleaver, from the Regal Cinema, Bexleyheath.
- 6-50 p.m. Variety.

Greenwich Time Signal at 7-0 p.m.

- 7-15 p.m. The B.B.C. Dance Orchestra, directed by Henry Hall.
- 8-0 p.m. "Imperial Affairs." \* A talk by H. V. Hodson.
- 8-15 p.m. Close down.

PART II.

8-30 p.m. **Two Short Operas: (1) "Hatsuyuki" (Early Snow).**  
 A Japanese No Play by Komparu Zempo Motoyasu (1453-1532), translated by Arthur Waley and set to music by W. H. Bell (of South Africa). Cast: Evening Mist (a servant girl), Anne Chadwick; a Lady (the Abbot's daughter), Mary Pollock; the Soul of the Bird Hatsuyuki, Elsie Suddaby; chorus of female voices (2) "Bastien and Bastienne," by Mozart. Translated by Eric Blom. Cast: Bastien, Henry Wendon; Bastienne, Elsie Suddaby; Colas, Stuart Robertson. The B.B.C. Midland Singers; chorus master, Edgar Morgan. The B.B.C. Midland Orchestra; leader, Alfred Cave; conducted by Leslie Heward.

9-30 p.m. **A Recital by Frank Mullings (Tenor).**  
 Geheimnis; Der Atlas (Schubert). Auf dem grünen Balcon; Gesang Weylas (Hugo Wolf). Freundliche Vision; Allerseelen (Strauss). Die Lorelei (Liszt). Adrift (Bantock). Come not when I am Dead (Holbrooke).

Greenwich Time Signal at 10-0 p.m.

- 10-0 p.m. The News.
- 10-15 p.m. A Recital of New Gramophone Records.
- 10-45 p.m. Close down.

TRANSMISSION 5.

Two of the following frequencies will be used:  
 GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
 GSL 6,110 kc/s (49.10 m.), GSA 6,050 kc/s (49.59 m.).

11-0 p.m. **Big Ben. An Organ Recital by Arnold Goldsbrough, from the Concert Hall, Broadcasting House. Music by British Composers.**

Un poco largo; Gavotte; Siciliano; Un poco Allegro (Dr. Arne, arr. Edmundstone Duncan). Toccata (John Blow). A Fancy (John Stanley). Second and Third Movements from Concerto in A (Wesley, arr. Westbrook). Finale in C (Smart).

11-30 p.m. **Two Plays \*; (1) "The Man with a Malady."**  
 A curtain-raiser from the story by J. F. Sullivan. Adapted to dramatic form by Ursula Branston. (2) "On the Edge." A thrilling drama from the story "The Man from America," by Michael Arlen. Adaptation by Ursula Branston. The plays produced by William MacLurg.

Greenwich Time Signal at 12-0 midnight.

12-10 a.m. **A Recital by Hebe Simpson (Soprano) and Franklyn Kelsey (Baritone).**

Hebe Simpson; On Wings of Song (Mendelssohn), A Little Snowdrop (Stanford), Sweet Nightingale (Old English Folk Song) (arr. C. Sharp), Cherry Ripe (C. E. Horn, arr. Liza Lehmann). Franklyn Kelsey; Songs from the Song Cycle, A Shropshire Lad; Loveliest of Trees the Cherry now; When I was One and Twenty; There Pass the Careless People; The Street Sounds to the Soldier's Tread; On the Idle Hill of Summer; White in the Moon the Long Road Lies; Into my Heart an Air that Kills; The Lads in their Hundreds (Arthur Somervell). Hebe Simpson; Damon (Max Strange), I Know a Bank (Martin Shaw), Fery Song (Rutland Boughton), At the Well (Hageman).

12-45 a.m. The News.

1-0 a.m. Close down.

TRANSMISSION 6.

Two of the following frequencies will be used:  
 GSD 11,750 kc/s (25.53 m.), GSC 9,580 kc/s (31.32 m.),  
 GSL 6,110 kc/s (49.10 m.).

3-0 a.m. **Big Ben. "Twelfth Night." \***  
 A dissertation upon the removal of holly and other Christmas decorations. Presented by W. L. Hanchant and John Pudney.

Greenwich Time Signal at 3-30 a.m.

3-30 a.m. **"High Spots" No. 11 Grosvenor House, London. \***

A descriptive commentary from the roof of Grosvenor House, giving a view over Park Lane, Hyde Park, and Mayfair.

3-45 a.m. The News.

4-0 a.m. Close down.

German SOUTH ASIA

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31-38 Metres. } DJQ—19-63 .. } DJN—31-45 .. }	6-30—8-15	11-00—12-45.
DJB—19-74 .. } DJN—31-45 .. }	9-45—13-15	14-15—17-45
DJN—31-45 ..	14-00—17-30	18-30—22-00
DJA—31-38 Metres. } DJN—31-45 .. } DJQ—19-63 .. }	6-30—8-15 Musical Entertainment and News.	

Berlin Time.

- 9-45 Call DJB, DJN (German, English). German Folk Song. Programme Forecast (Germ., Engl.)
- 10-0 Popular Musical Variety Programme.
- 10-30 News in English.
- 10-45 Hitler Youth Programme. Folk Song Singing.
- 11-0 Relayed from Munich: "On the Eve of the Olympic Winter Sports."
- 11-45 News in German.
- 12-0 Concert of Light Music.
- 13-0 News in English.
- 13-15 Close DJB, DJN (Germ., Engl.)

EAST ASIA.

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31-38 Metres. } DJQ—19-63 .. }	6-30—8-15 } 7-00—7-15 } 8-00—8-15 }	11-00—12-45 } 11-30—11-45 } 12-30—12-45 }
DJA—31-38 ..	14-00—17-30	18-30—22-00
DJN—31-45 ..	6-30—8-15	11-00—12-45
DJN—31-45 ..	14-00—17-30	18-30—22-00

Berlin Time.

- 14-0 DJA, DJN Announcement (Germ., Engl.). German Folk Song. Programme Forecast (Germ., Engl.)
- 14-15 Hitler Youth Programme. Folk Song Singing.
- 14-30 Short Musical Programme.
- 14-45 News in English on DJA and in Dutch on DJN.
- 15-0 Relayed from Munich: "On the Eve of the Olympic Winter Sports."
- 15-45 Concert of Light Music.
- 16-15 News in German on DJA and DJN.
- 16-30 Today in Germany. Sound Pictures.
- 16-45 Popular Musical Variety Programme.
- 17-15 News in English on DJA and in Dutch on DJN.
- 17-30 Close DJA, DJN (Germ., Engl.)

\* Electrical recording. † Gramophone records.

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- 12-0 noon. Selection of Indian Music.
- 1-0 p.m. Available Market Rates.  
**One Hour with Marek Weber and his Orchestra.**
- 2-0 p.m. *Close down.*
- 5-30 p.m. Relay of Music from Regal Cinema The Theatre Magnificent.  
*(By kind permission of the Management.)*
- 6-30 p.m. **Gujerati Lyrical Songs.**  
By RASIK T. VIN.
- 7-0 p.m. **Commercial News.**
- 7-15 p.m. **Been Solos.**  
By LAXMANRAO CHAWAN.
- 7-50 p.m. **News in Hindi.**
- 8-0 p.m. **Light Classical Music.**  
By J. D. JAOKAR.
- 9-30 p.m. **News in English.**
- 9-45 p.m. **The Weekly Sport.**  
By A. G. A. NORMAN.
- 10-0 p.m. **The Life of Chopin.**  
A Biography in Music.  
"Chopin," sweet and harmonious genius. Is there a single heart to whom he was dear, a single individual to whom he was familiar who, on hearing that name spoken is not startled as by the memory of a superior being whom it was once its good fortune to know. But however deeply regretted Chopin may be by the world of artists and of all his many friends, we may yet be permitted to doubt whether the moment has yet come when he, whose loss we so deeply mourn, can be appreciated at his proper worth, or can occupy that exalted rank which is reserved to him in the future.  
(Franz Liszt.)
- 11-0 p.m. GOD SAVE THE KING-EMPEROR.

# Calcutta

VUC 370.4 metres 810 kc/s. 49.10 metres 6,109 kc/s.

- 1-0 p.m. *Time Signal.*  
SB **The Grand Hotel Orchestra, Lunch Time Selections.**  
Relayed from the Grand Hotel, Calcutta. Calcutta Weather Bulletin for Océanraft and Rivercraft (if any.)
- 2-0 p.m. **Selections from Gramophone Records.**
- 2-30 p.m. **Gastronomical Talk** by SHOOPAKAR.  
Recipes of Some Special Dishes.
- 2-50 p.m. **Kathakata** by RAMRATAN BYAKARANA TIRTHA.
- 3-30 p.m. *Time Signal.*  
*Close down.*
- 6-0 p.m. *Time Signal.*  
**A Classical Programme.**  
BASANTA MITTER—*Dhrupad.*  
KRISHNA CHANDRA DEY—*Kheyal.*  
SUNIL POSE—*Kheyal.*  
SACHIN DAS—*Kheyal and Thungri.*  
BHISHMADEV CHATTERJEE—*Kheyal.*
- 8-0 p.m. **Instrumental Music.**  
BISHWANATH CHAKRAVARTY—*Sarode Solo.*
- 8-15 p.m. Weather Forecast, 1st News Bulletin, Market Prices, Jute and Gunny Closing Rates. (In English).  
SB
- 8-30 p.m. **An Empire Programme from Daventry.**  
SB
- 9-15 p.m. Weather Forecast, General News Bulletin, Market Prices, Jute and Gunny Closing Rates—(In Bengali).  
SB
- 9-30 p.m. **Vocal Music—(Bengali).**  
SB SUDHIR BANERJEE.
- 9-45 p.m. PULIN BEHARI AGASTY.
- 10-0 p.m. **Instrumental Music.**  
SB RAJENDRA NATH SIRCAR—*Clarinet Solo.*

- 10-15 p.m. *Talk* by M. L. ROY—"Life Eternal Series."  
SB
- 10-30 p.m. 2nd News Bulletin in English.  
SB
- 10-45 p.m. GOD SAVE THE KING-EMPEROR.  
*Time Signal.*  
*Close down.*

# Delhi

VUD 340.136 metres. 882 Kc/s.

- 6-0 p.m. *Time Signal.*
- The I. B. S. Orchestra** (Under the direction of S. S. NIAZI).
- 6-15 p.m. **Light Music** By Mr. GHULAM FARID of Lahore.
- 7-0 p.m. **Veena Solo.** Prof. H. HUSSAIN.
- 7-15 p.m. **Light Songs.** By Miss SALAMAT of Ambala.
- 7-30 p.m. **Hindi Poetry during the Days of the later Moghul Period.**  
By Pt. LACHMI DHAR, M.A., M.O.L., Shastri of the University of Delhi.
- 7-45 p.m. **Punjabi Songs.** By Miss SALAMAT.
- 8-05 p.m. **Light Songs.** Mr. GHULAM FARID.
- 8-35 p.m. **Solo—Clarinet.**
- 8-45 p.m. **A Song.** By Miss SALAMAT.
- 8-55 p.m. **I. B. S. Orchestra.**
- 9-05 p.m. **Duet.** "Sweet nothings." Miss SALAMAT and Mr. GHULAM FARID.
- 9-15 p.m. **News in Hindustani.**
- 9-30 p.m. *Time Signal.*

## News in English.

- 9-45 p.m. **My Trip to Burma.**  
Dr. RUTH YOUNG, M.B.E., W.M.S.  
Dr. Ruth Young is the Director of the Bureau of Maternity and Child Welfare under the Indian Red Cross Society. The Bureau is connected, mainly in an advisory capacity, with all child welfare work throughout India; and as Director Dr. Young has travelled all over India to see the work that is carried on in every province. A leader in the welfare movement she is one of the pioneers of the infant welfare movement in India, and has been connected with it since its early beginnings more than 50 years ago. She has just returned from her trip to Burma.
- 10-0 p.m. **A Concert.**  
By Mrs. CROSTHWAITE  
Squadron Leader A. B. ELLWOOD - *Soprano.*  
Mrs. B. C. BURT - *Violin.*  
1. Mrs. Crosthwaite. *Piano.*  
1. Du bist Wie eine blume (Thou art like a flower) - *Reubenstein.*  
2. Le Violette (The Violets) - *A. Scarlatti.*  
3. The Lovely Souls - *E. J. de la Ferre.*  
4. Vieni Dorina bella (Come Fair Dorina) - *Lehmann.*  
5. Chanson du Papillon (Song of the Butterfly) - *Campra.*  
(At the Piano Mrs. B. C. BURT.)  
2. **Violin.**  
*Sq.-Leader ELLWOOD.*  
In Selections from his Repertoire.  
3. **Mrs. Crosthwaite.**  
1. Solveig's Song - *Greig.*  
2. When Myra Sings - *A. L.*  
3. A Lovely Little Dream - *Coleridge-Taylor.*  
4. Pourquoi rester senlette (Why remain lonely) - *Saint-Saens.*  
5. Have you seen but a White lily blow - *Old English.*  
(At the Piano Mrs. B. C. BURT.)  
4. **Mrs. Crosthwaite.**  
*Sq.-Leader ELLWOOD and Mrs. B. C. BURT.*  
Chanson Ancienne - *Campra.*  
5. **Violin.**  
*Sq.-Leader ELLWOOD.*  
11-0 p.m. *Close down.*

# B. B. C.

## TRANSMISSION 1.

- GSF 15,140 kc/s (19.82 m.) GSB 9,510 kc/s (31.55 m.)
- 8-30 a.m. **Big Ben. Fred Hartley and his Novelty Quintet with Webster Booth.**  
Memories of Schubert. The Blue Room (Rodgers). The Matador (Renaud). The Gentle Maiden; Dancing on the Green (Traditional). A Brown Bird Singing (Haydn Wood). Rosita (Dupont). Souvenirs of Song, No. 11. The Sweetest Flower that Blows (Hawley). In the Shadows (Finck). If I Might Only Come to You (Squire). Here Comes Tootsie (Finck). At Dawning (Cadman). Thora (Adams). Last Night on the Back Porch (Brown). The End of a Perfect Day (Jacobs-Bond). All arrangements by Fred Hartley.
- 9-15 a.m. **"Imperial Affairs."** \* A talk by H. V. Hodson.  
*Greenwich Time Signal at 9-30 a.m.*
- 9-30 a.m. **"The Empirates."**  
(5th Edition). A concert party entertainment with Effi Atherton; Ronald Hill; Tony Symson; Jack Clarke; Angela Parselles (Australian); Bertha Willmott; and Frederick Yeomans. The programme presented by Ronald Hill and William MacLurg.
- 10-15 a.m. **The News.**
- 10-30 a.m. *Close down.*

## TRANSMISSION 2.

- GSG 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.)
- 11-0 a.m. **Big Ben. Cecil Chadwick, at the Organ of the Classic Cinema, Belfast.**  
As I Sit Here (Sanderson). Waltz, As Long as our Hearts are Young (Kester and Hill). Fantasy, A Military Church Parade (Chadwick).
- 11-15 a.m. **The B. B. C. Northern Orchestra; leader, Alfred Barker; conductor, T. H. Morrison.**  
March, El Abanico (Javaloyes). Overture, Norma (Bellini) Waltz, Telegrams (Johann Strauss). Suite Oriental: (1) Divertissement (2) Reverie (3) Dance (4) Patrol (Popy). Japanese Moonlight (Friml). Dancing Stars (Friml). Serenade, Pizzicato (Ganne). Selection, The Gipsy Princess (Kalman).  
*Greenwich Time Signal at 12-0 noon.*
- 12-0 p.m. **A talk by the Chief Engineer of the British Broadcasting Corporation.**
- 12-15 p.m. **Luigi Voselli and his Hungarian Orchestra. John Simons (Pianoforte).**  
Orchestra: Paso Doble, Lolita (Santeugini). Waltz, Gold and Silver (Lehar). Zigeuner Traum (Gipsy Dream) (Horvath). John Simons: Twilight Way (Dvorak), No. 1 of Three Rondos on Folk Tunes (Bela Bartok). Orchestra: Hungarian Potpourri, Hona (Taubert). When I Grow too Old to Dream (Romberg), Sascha (Schneider Bobby). John Simons: Rhapsody in C; Capriccio in F minor (Dohnanyi).
- 1-0 p.m. **The News.**
- 1-15 p.m. **An Organ Recital by T. W. North, relayed from the Town Hall, Walsall.**  
Organ Sonata No. 14 in C, Opus 165: (1) Preludium (2) Idylle (3) Toccata (Rheinberger). Prayer and Berceuse (Guilmant). Fugue in A minor (Moto continuo), (Bach, arr. Best).
- 1-45 p.m. *Close down.*

## TRANSMISSION 3.

- Two of the following frequencies will be used:—  
GSG 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.), GSE 11,860 kc/s (25.29 m.), or GSB 9,510 kc/s (31.55 m.)
- 2-0 p.m. **Big Ben. Light Orchestral Music.** †
- 2-10 p.m. **"The Man with a Malady."** \*  
A curtain-raiser from the story by J. F. Sullivan. Adapted to dramatic form by Ursula Branston. "On the Edge."\* A thrilling drama from the story, "The Man from America," by Michael Arlen. Adaptation by Ursula Branston. The plays produced by William MacLurg.
- 2-50 p.m. **A Recital by Dorothy Folkard (Pianoforte).**  
Sonata in F: Allegro moderato; Larghetto; Presto (Haydn). Ninth Nocturne in B minor, Op. 97; Third Impromptu in A flat, Op. 34 (Faure). Fairy Tale in B flat minor, Op. 20, No. 1 (Medtner).
- 3-15 p.m. **The Bournemouth Municipal Orchestra; leader, Bretram Lewis; conductor, Richard Austin. Solo Violin, Thibaud, relayed from the Pavilion, Bournemouth.**  
Suite, Ben Mora (Holst). Symphony No. 6 in C minor: (1) Adagio. Allegro passionato (2) Tema con variazioni (3) Intermezzo (4) Finals (Glazunov). Violin Concerto in A major: (1) Allegro aperto (2) Adagio (Soloist, Thibaud) (Mozart).

*Greenwich Time Signal at 4-30 p.m.*

\* Electrical recording.

† Gramophone records.

- 4-30 p.m. **The News.**
- 4-45 p.m. **Jan Berenska and his Orchestra, relayed from the Pump Room, Leamington Spa.**  
The Love Song (Solo Violin, Jan Berenska) (Berenska) Waltz Selection, The Gipsy Princess (Kalman). Twenty Miles from Nowhere (Woods).
- 5-0 p.m. *Close down.*

TRANSMISSION 4.

Part I. Two or three of the following frequencies will be used—  
CSI 15,260 kc/s (19.66 m.), GSD 11,750 kc/s (25.53 m.),  
GSB 9,510 kc/s (31.55 m.), GSL 6,110 kc/s (49.10 m.).  
Part II. Two of the following frequencies will be used—  
GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
GSA 6,050 kc/s (49.59 m.).

PART I.

- 5-15 p.m. **Big Ben. The B.B.C. Dance Orchestra, directed by Henry Hall.**
- 6-0 p.m. **The News.**
- 6-15 p.m. **Chopin Recital.†**
- 6-30 p.m. **The Serge Krish Septet.**  
Fantasy on Russian Songs (Schirman). Serenata (Becce). Concert Waltz, The Haunted Ball-Room (Geoffrey Toye). Ballet Music, Loreley (Catalani). Slavonic Fantasy (Dvorak, arr. Kreisler). Marionettes (Krish). Prelude in A flat (Chopin, arr. Krish). Hungarian Melodies (Trad., arr. Brunnhofer).  
*Greenwich Time Signal at 7-0 p.m.*
- 7-15 p.m. **Two Short Plays \* : (1) "The Man with a Malady."**  
A curtain-raiser from the story by J. F. Sullivan. Adapted to dramatic form by Ursula Branston. (2) "On the Edge." A thrilling drama from the story "The Man from America," by Michael Arlen. Adaptation by Ursula Branston. The plays produced by William MacLurg.
- 7-55 p.m. **Musical Interlude.†**
- 8-0 p.m. **Promenade Concert (Bach Programme). Relayed from the Queen's Hall, London Sole Lessees, Messrs. Chappell & Co., Ltd. Isobel Baillie (Soprano). Nancy Weir, Sara Stein, Bruno Raikin (South African), and Ross Pratt (Canadian) (Solo Pianofortes). Marcel Dupre (Solo Organ). The B.B.C. Symphony Orchestra (Principal Violin, Marie Wilson), conducted by Sir Henry J. Wood.**  
Part I. Organ Solo, Fantasia and Fugue in G minor (The Great) (Solo Organ, Marcel Dupre). Brandenburg Concerto No. 6 in B flat (for Violas, Violoncellos, and Double Basses) : (1) Allegro (2) Adagio ma non troppo (3) Allegro. Arias : (a) Sighing, Weeping (Church Cantata No. 21, Ich hatte viel Bekummernis). (b) Alleluja (Church Cantata No. 51, Jauchzet Gott in Allen Landen (Soloist, Isobel Baillie). (c) (Oboe obbligato, Allec Whittaker) : Concerto, in A minor, for four Pianofortes and Strings : (1) Allegro (2) Largo (3) Allegro (Solo Pianofortes, Nancy Weir, Sara Stein, Bruno Raikin, Ross Pratt).
- 8-55 p.m. *Close down.*

PART II.

- 9-10 p.m. **Fred Hartley and his Novelty Quintet with Webster Booth.**

The Matador (Renard). The Gentle Maiden; Dancing on the Green (Trad.). A Brown Bird Singing (Haydn Wood). Rosita (Dupont). Souvenirs of Song No. 11. Last Night on the Back Porch (Brown). The End of a Perfect Day (Jacobs-Bond). All arrangements by Fred Hartley.

- 9-45 p.m. **Dance Music.†**
- 9-55 p.m. **The News.**  
*Greenwich Time Signal at 10-0 p.m.*
- 10-10 p.m. **The B.B.C. Theatre Orchestra; leader, Montague Brearley; conductor, Stanford Robinson.**
- 10-45 p.m. *Close down.*

TRANSMISSION 5.

Two of the following frequencies will be used—  
GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
GSL 6,110 kc/s (49.10 m.), GSA 6,050 kc/s (49.59 m.).

- 11-0 p.m. **Big Ben. A Recital by Jean Inglis (Pianoforte)**  
Rigaudon (Holberg Suite) (Grieg). Toccata in A (Sonatina No. 6) (Paradies). Capriccio in B minor (Brahms). Will o' the Wisp (MacDowell).
- 11-15 p.m. **"Imperial Affairs." \* A talk by H. V. Hodson.**
- 11-30 p.m. **Dance Music.**  
*Greenwich Time Signal at 12-0 midnight.*
- 12-0 a.m. **A Recital of Old French Songs. Winifred Fisher (Soprano).**  
Le Rosier (The Rose Tree) (J. J. Rousseau, arr. J. A. Fuller Maitland). Les trois princesses (The Three Princesses) : Jardin d'amour (The Garden of Love) (Eile Vuillermos). Maman, dites-moi (Mother, Tell me) ; Jeunes fillettes (The Young Lassies) (arr. Weckerlin). Sainte Marguerite (St. Margaret) ; C'est la belle Françoise (The Fair Françoise) (arr. A. La Liberté). L'Angelus (The Angelus) (arr. L. A. Bourcault-Ducoudray). Paris est au Roi (Paris is for the King) ; Estelle (arr. Weckerlin). Roussignolet qui cantos (The Nightingale that Sings) (arr. Jules Cohen). Tambourin (arr. Julien Tiersot).
- 12-25 a.m. **Violin Works of Henri Wieniawski. The Alfredo Campoli Trio. \***  
Souvenir de Moscou. Legende. Two Caprices (in E flat and A minor). Valse caprice. Scherzo-Tarantelle.
- 12-45 a.m. **The News.**
- 1-0 a.m. *Close down.*

TRANSMISSION 6.

Two of the following frequencies will be used—  
GSD 11,750 kc/s (25.53 m.), GSC 9,580 kc/s (31.32 m.),  
GSL 6,110 kc/s (49.10 m.).

- 3-0 a.m. **Big Ben. Mixed Pickes—7th Edition. \***  
A sketch stunt, and song show—bottled by Cecil Madden.  
*Greenwich Time Signal at 3-30 a.m.*
- 3-45 a.m. **The News.**
- 4-0 a.m. *Close down.*

German SOUTH ASIA

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31.38 Metres.	6-30—8-15	11-00—12-45
DJQ—19.63 "		
DJN—31.45 "		
DJB—19.74 "	9-45—13-15	14-15—17-45
DJN—31.45 "		
DJN—31.45 "	14-00—17-30	18-30—22-00
DJA—31.38 "	6-30—8-15	Musical Entertainment and News.
DJN—31.45 "		
DJQ—19.63 "		

- Berlin Time.
- 9-45 **Call DJB, DJN (German, English). German Folk Song. Programme Forecast (Germ., Engl.)**
- 10-00 **Woman's Hour. A Talk with a National-Socialist Household Aid Worker.**
- 10-30 **News in English.**
- 10-45 **Let's sing a Folk Song together.**
- 11-0 **"Here comes the Music-Man . . ." Introduced by Johanna Angermann.**
- 11-45 **News in German.**
- 12-0 **Concert of Light Music.**
- 13-0 **News in English.**
- 13-15 **Close DJB, DJN (Germ., Engl.)**

EAST ASIA.

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31.38 Metres.	6-30—8-15 7-00—7-15 8-00—8-15	11-00—12-45 11-30—11-45 12-30—12-45
DJQ—19.63 "		
DJA—31.38 "		
DJN—31.45 "	14-00—17-30	18-30—22-00
DJN—31.45 "	6-30—8-15	11-00—12-45
DJN—31.45 "	14-00—17-30	18-30—22-00

- 14-0 **DJA, DJN Announcement (Germ., Engl.). German Folk Song. Programme Forecast (Germ., Engl.)**
- 14-15 **Woman's Hour. A Talk with a National-Socialist Household Aid Worker.**
- 14-30 **Let's sing a Folk Song together.**
- 14-45 **News in English on DJA and in Dutch on DJN.**
- 15-0 **"Rittler Pasman." An Operetta by Johann Strautz. Conductor : Fritz Wicke. Direction : Ernst Wilhelm.**
- 16-15 **News in German on DJA and DJN.**
- 16-30 **Today in Germany. Sound Pictures.**
- 16-45 **"The Poet speaks." Jakob Schaffner.**
- 17-0 **A Turnout in Three-Quarter Time.**
- 17-15 **News in English on DJA and in Dutch on DJN.**
- 17-30 **Close DJA, DJN (Germ., Engl.)**

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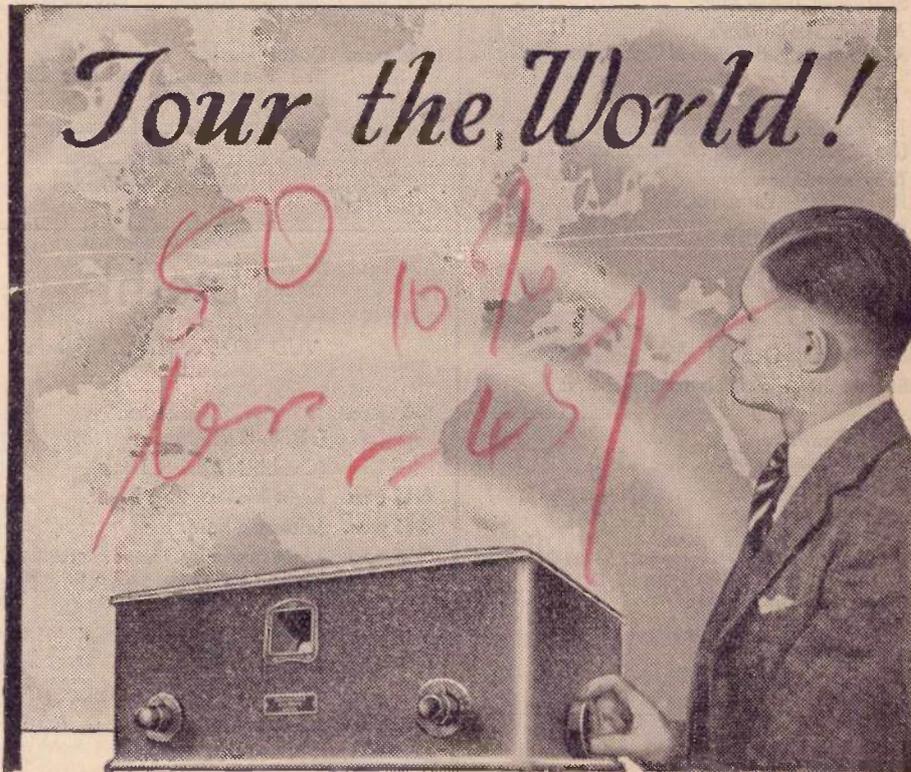
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# Bombay

VUB 350.9 metres 855 kc/s.

- 12-0 noon. Selection of Indian Music.
- 1-0 p.m. Available Market Rates.  
A Miscellaneous Selection of Gramophone Records.
- 2-0 p.m. *Close down.*
- 5-30 p.m. Relay of Music from Capitol Cinema.  
(By kind permission of the Management).
- 6-30 p.m. **Jaltarang Solos.**  
By DATTARAM PARWATKAR.
- 7-0 p.m. **Commercial News.**
- 7-15 p.m. **Music Lessons.**  
By Prof. B. R. DEODHAR, B.A.  
Principal, School of Indian Music.

Will talk on "PRESENT DAY MUSIC" giving History of different Indian Schools existing to-day.

- 7-30 p.m. **Kalu Quawl.**  
In His Recorded Hits. *Nahabharate*
- 7-50 p.m. **News in Hindi.**
- 8-0 p.m. **Light Music.**  
By BAI ANJANIBAI WADKAR.
- 9-30 p.m. **News in English.**
- 9-45 p.m. **"Spiritualism."**  
By Prof. V. D. RISHI.
- 10-0 p.m. **Dance Music.**
- 11-0 p.m. **GOD SAVE THE KING-EMPEROR.**

# Calcutta

VUCj 370.4 metres 810 k/cs. 49.10 metres 6,109 kc/s.

- 1-0 p.m. *Time Signal.*  
**"Love Needs A Waltz."**  
A Radio Operatta.  
Books and Lyrics by JAMES DYRENFORTH.  
Music by K. LESLIE SMITH.  
(A B.B.C. Recorded Programme.)  
Calcutta Weather Bulletin for Oceancraft  
and Rivercraft—(if any).
- 2-0 p.m. **Musical Selections—(Recorded).**
- 2-30 p.m. **Talk on Tuberculosis** by NIRMAL DAS GUPTA  
of the Tuberculosis Association of Bengal.
- 2-45 p.m. **Talk** by BISHNU SARMA.  
"Historical Facts which are Stranger than Fiction."
- 3-30 p.m. *Time Signal.*  
*Close down.*
- 6-0 p.m. *Time Signal.*  
**Selections from Gramophone Records.**
- 6-10 p.m. **Village Welfare Broadcast** by NRIPEN CHATTERJEE—  
"What the New Year is Bringing in For Us."
- 6-30 p.m. **A Mixed Programme by the Members of Basanti Vidyabithi,**  
under the direction of S. UMAPADA BHATTACHARYA.
- 8-15 p.m. **Weather Forecast, 1st News Bulletin, Market Prices, Jute and Gunny Closing Rates.** (In English).  
SB
- 8-30 p.m. **Instrumental Music.**  
BETAR ORCHESTRA, under the direction of T. N. DAY.
- 8-40 p.m. **Vocal Music—(Bengali).**  
GOPAL CHANDRA SEN GUPTA.
- 9-0 p.m. **Instrumental Music.**  
BETAR ORCHESTRA.
- 9-15 p.m. **Weather Forecast, General News Bulletin, Market Prices, Jute and Gunny Closing Rates.** (In Bengali).  
SB
- 9-30 p.m. **A Light Vaudeville Studio Concert.**  
SB  
**Ted Frangopoulo and His Blue Harmony Boys.**  
Musical Selections.

- 9-45 p.m. **The Harris Sisters.**  
SB  
Vocal and Instrumental Entertainers.
- 10-0 p.m. **Ted Frangopoulo and His Blue Harmony Boys.**  
SB
- 10-15 p.m. **The Harris Sisters.**  
SB
- 10-30 p.m. **2nd News Bulletin in English.**  
SB
- 10-45 p.m. **Dance Music.**  
SB  
**Ted Frangopoulo and His Blue Harmony Boys.**
- 11-0 p.m. **GOD SAVE THE KING-EMPEROR.**  
*Time Signal.*  
*Close down.*

# Delhi

VUD 340.136 metres. 882 kc/s.

- 6-0 p.m. *Time Signal.*  
**I. B. S. Orchestra.**  
(Conducted by S. S. NIAZI).
- 6-15 p.m. **Light Music.** Miss MUNI.
- 6-45 p.m. **Jaltarang Solo.**
- 6-55 p.m. **Light Music** By Master FAQIRUDDIN.
- 7-30 p.m. **"Main EK MIAN HUN"** by "Patras" read by H.M.V.
- 7-45 p.m. Miss MUNNI will entertain.
- 8-15 p.m. **I. B. S. Orchestra.**
- 8-25 p.m. **Songs.** Master FAQIRUDDIN.
- 9-15 p.m. **News in Hindustani.**
- 9-30 p.m. *Time Signal.*  
**News in English.**
- 9-45 p.m. **Bits and Pieces.**  
An entirely irrelevant sequence of music and information. Devised and presented by Mr. Banning Richardson.
- 11-0 p.m. *Close down.*

# B. B. C.

## TRANSMISSION 1.

GSE 15,140 kc/s (19.82 m.), GSB 9,510 kc/s (31.55 m.)

- 8-30 a.m.—**Big Ben. Two Plays \* :** (1) "The Man with a Malady."  
A curtain-raiser from the story by J. F. Sullivan. Adapted to dramatic form by Ursula Branston. (2) "On the Edge."  
A thrilling drama from the story "The Man from America," by Michael Arlen. Adaptation by Ursula Branston. The plays produced by William MacLurg.
- 9-10 a.m. **Musical Interlude.** †
- 9-15 a.m. **A Light Symphony Concert. The B.B.C. Empire Orchestra ; leader, Daniel Melsa ; conductor, Eric Fogg. Clifton Helliwell (Pianoforte).**  
Orchestra : Overture Peter Schmolli (Weber). Ballet Music, Les petits riens (Whims) : (1) Overture (2) Gavotte gracieuse (3) Adagio (4) Pantomime (5) Gavotte (Mozart, arr. Atzler). Clifton Helliwell and Orchestra : Rondo in B flat, Op. 9 (Prince Ferdinand). Orchestra : Symphony No. 39 in E flat : (1) Adagio leading to Allegro (2) Andante (3) Menuetto and Trio (4) Finale, Allegro (Mozart).  
*Greenwich Time Signal at 9-30 a.m.*
- 10-15 a.m. **The News.**
- 10-30 a.m. *Close down.*

## TRANSMISSION 2.

GSG 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.)

- 11-0 a.m. **Big Ben. The Bath Pump Room Orchestra ; leader, J. Andrew Cooper ; conductor, Frank Gomez. Relayed from the Pump Room, Bath.**  
Selection, Carmen (Bizet, arr. de Groot). Overture in D for Strings (Haydn). Medley, What's Next (arr. Finck). Perpetuum Mobile (Johann Strauss). Dance of the Hours (Ponchielli). Pizzicato, The Vagabond (Ericks). March The children of the Regiment (Fucik).

- 11-45 a.m. **An Organ Recital by Albert Taylor, relayed from First Presbyterian Church, Rosemary Street, Belfast.**  
Lamentation (Guilmant). Pessimist and Optimist (Taylor). Cantilene Pastorale (Guilmant). Canzonetta (Nicode). Berceuse (Delbruk). Song ; Carillon (Vierne).  
*Greenwich Time Signal at 12-0 noon.*
- 12-30 p.m. **"High Spots"—No. 12: The Town Hall, Birmingham.**  
A descriptive commentary from the roof of the Town Hall, Birmingham, by F. W. Bradnock.
- 12-45 p.m. **Dance Music.**
- 1-0 p.m. **The News.**
- 1-15 p.m. **Geiger and his Orchestra, relayed from Claridge's Hotel, London.**
- 1-45 p.m. *Close down.*

## TRANSMISSION 3.

Two of the following frequencies will be used :-

GSG 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.),  
GSE 11,860 kc/s (25.29 m.), or GSB 9,510 kc/s (31.55 m.)

- 2-0 p.m. **Big Ben. The B.B.C. Variety Orchestra.**
- 2-45 p.m. **"Books to Read."**  
Some suggestions for the listener's bookshelf by Eric Gillett.
- 3-0 p.m. **The Central Band of H.M. Royal Air Force**  
(by permission of the Air Council),  
**conducted by Flight-Lieut. R. P. O'Donnell, M.V.O., Director of Music, Royal Air Force. Relayed from the Royal Air Force Headquarters, Uxbridge.**  
March, Imperial Echoes (Safroni). Overture, Sunlight and Shade (Parker). Selection, Princess Charming (Sirmay). Aubade printaniere (Lacombe). Black Eyes (Russian Impression) (Ferraris). Three Dances from the Bartered Bride : (1) Polka (2) Furiant (3) Dance of the Comedians (Smetana). Ballad Memories (Baynes).
- 4-0 p.m. **The B.B.C. Dance Orchestra, \* directed by Henry Hall.**  
*Greenwich Time Signal at 4-30 p.m.*
- 4-30 p.m. **The News.**
- 4-45 p.m. **An Organ Recital by Ralph T. Morgan, relayed from the Church of St. Mary Redcliffe, Bristol.**  
Concerto in F (No. 4), 1st movement (Handel, ed. Best) Andante Cantabile (Symphony 4) (Widor).
- 5-0 p.m. *Close down.*

## TRANSMISSION 4.

Part I. Two or three of the following frequencies will be used :-

GSI 15,260 kc/s (19.66 m.), GSD 11,750 kc/s (25.53 m.),  
GSB 9,510 kc/s (31.55 m.), GSL 6,110 kc/s (49.10 m.)

Part II. Two of the following frequencies will be used :-

GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
GSA 6,050 kc/s (49.59 m.)

### PART I.

- 5-15 p.m. **Big Ben. "The Empirates."**  
(5th Edition). \* A concert party entertainment with Effie Atherton ; Ronald Hill ; Tony Simpson ; Jack Clarke ; Angela Parselles (Australian) ; Bertha Willmott ; and Frederick Yeomans. The programme presented by Ronald Hill and William MacLurg.
- 6-0 p.m. **The News.**
- 6-15 p.m. **Violin Solo.** †
- 6-30 p.m. **Reginald King and his Orchestra, Bernard Ross (Baritone).**  
Orchestra : Selection. The Merry Widow (Lehar) Bernard Ross : Five and Twenty Sailors (Coleridge-Taylor). The Hunting Song of the Seconee Pack (Eric Fogg). Kildare (Ashworth-Hope). Orchestra : Suite, Country Life : (1) Byways o' the Dee (2) Shepherd's Lament (3) Haymakers' Dance (Reginald King). Andalusian Serenade (Dennis Wright). Chinese Dance (Idris Lewis). Bernard Ross : The Jolly Miller (Trad., arr. Quilter). Had I a Golden Pound to Spend (Keel). In Prison (Alfred Hale). The Jolly Tinker (Trad., arr. Ernest Newton). Orchestra : Dreams of Yesterday (Humphries). Moon Moths (Ewing). March of the Dwarfs (Moszkowski).  
*Greenwich Time Signal at 7-0 p.m.*

- 7-30 p.m. **The Rocky Mountaineers.**
- 8-0 p.m. **"Come Round after Dinner."**
- 8-45 p.m. *Close down.*

### PART II.

- 9-0 p.m. **"Mrs. Todgers."**  
The story of a cat, by Richard Aldington.
- 9-15 p.m. **The Scottish Orchestra ; leader, David McCallum ; conductor, John Barbirolli. Solo Soprano, Tatiana Makushina. Relayed from the Caird Hall, Dundee.**

\* Electrical recording

† Gramophone record

Siegfried's Journey to the Rhine; Funera (March; Closing Scene (Solo Soprano, Tatiana Makushina) (Götterdämmerung) Overture, Die Meistersinger (Wagner).

Greenwich Time Signal at 10-0 p.m.

10-10 p.m. The News.

10-25 p.m. Dance Music.†

10-45 p.m. Close down.

TRANSMISSION 5.

Two of the following frequencies will be used:—

GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
GSL 6,110 kc/s (49.10 m.), GSA 6,050 kc/s (49.59 m.).

11-0 p.m. Big Ben. Dance Music.

11-35 p.m. A Recital by Len Dight (Violin).

Menuet (Valensin, arr. Danbe), Intrada (Old French) (arr. Moffat), Serenade (Pierre), From the Canebrake (Gardner), Mazurka (Le Menetrier) (Wieniawski, arr. Wilhelm)

11-50 p.m. "Harry Hopful's Night on the Border." \*  
A north country excursion devised by D. G. Bridson and E. A. Harding.

Greenwich Time Signal at 12-0 midnight.

12-45 a.m. The News.

1-0 a.m. Close down.

TRANSMISSION 6.

Two of the following frequencies will be used:—

GSD 11,750 kc/s (25.53 m.), GSC 9,580 kc/s (31.32 m.),  
GSL 6,110 kc/s (49.10 m.).

3-0 a.m. Big Ben. A talk by the Chief Engineer of the British Broadcasting Corporation. \*

3-15 a.m. "The Empirates".

(5th Edition). \* A concert party entertainment with Effie Atherton; Ronald Hills; Tony Sympton; Jack Clarke; Angela Parselles (Australian); Bertha Willmott; and Frederick Yeomans. The programme presented by Ronald Hill and William MacLurg.

Greenwich Time Signal at 3-30 a.m.

4-0 a.m. The News.

4-15 a.m. Close down.

German

SOUTH ASIA.

Time Schedule.

Call Sign—Wavelength.	Berlin.	Bombay (I.S.T.)
DJA—31.38 Metres.	6-30—8-15	11-00—12-45
DJQ—19.63 ..		
DJN—31.45 ..		
DJB—19.74 ..	9-45—13-15	14-15—17-45
DJN—31.45 ..		
DJN—31.45 ..	14-00—17-30	18-30—22-00
DJA—31.38 ..	6-30—8-15	Musical Entertainment and News.
DJN—31.45 ..		
DJQ—19.63 ..		

Berlin Time.

9-45 Call DJB, DJN (German, English). German Folk Song. Programme Forecast (Germ., Engl.)

10-0 Hitler Youth Programme by the Junior Girls Section: "The Cosy House" by Hans Baumann.

10-30 News in English.

10-45 Relayed from Leipzig: A Village in Winter. Home Picture from the Thuringer Wald.

11-45 News in German.

12-0 Concert of Light Music.

13-0 News in English.

13-15 Close DJB, DJN (Germ., Engl.).

EAST ASIA.

Time Schedule.

Call Sign—Wavelength.	Berlin.	Bombay (I.S.T.)
DJA—31.38 Metres.	6-30—8-15	11-00—12-45
DJQ—19.63 ..	7-00—7-15	11-30—11-45
DJA—31.38 ..	8-00—8-15	12-30—12-45
DJN—31.45 ..	14-00—17-30	18-30—22-00
DJN—31.45 ..	6-30—8-15	11-00—12-45
DJN—31.45 ..	14-00—17-30	18-30—22-00

Berlin Time.

14-0 DJA, DJN Announcement (Germ., Engl.). German Folk Song. Programme Forecast (Germ., Engl.)

14-15 Let everyone show what he can do!

14-45 News in English on DJA and in Dutch on DJN.

15-0 Relayed from Leipzig: A Village in Winter. Home Picture from the Thuringer Wald.

16-0 News German Legislation Dr. Fritz Schwegel.

16-15 News in German on DJA and DJN.

16-30 Today in Germany. Sound Pictures.

16-45 Let everyone show what he can do! (continued).

17-15 News in English on DJA and in Dutch on DJN.

17-30 Close DJA, DJN (Germ., Engl.)

\*Electrical recording.

†Gramophone records.

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# Bombay

VUB 350.9 metres 855 kc/s.

- 12-0 noon. Selection of Indian Music.
- 1-0 p.m. Available Market Rates.  
A Brunswick Decca Lunch Hour Programme.
- 2-0 p.m. *Close down.*
- 5-30 p.m.
- 6-30 p.m. **Light Music.**  
By Miss LAKDAWALLA.
- 7-0 p.m. **Commercial News.**
- 7-15 p.m. **Recitations from Holy Quran.**  
MOULVI GULAM MOHOMAD KAMAR  
Will recite  
SOORAI YOOEUF PART I.
- 7-30 p.m. **Guitar Solos.**  
Master JAKIR.
- 7-50 p.m. **News in Hindi.**
- 8-0 p.m. **Light Music.**  
By CHANDABAI of Benares.  
With *Sarangi, Harmonium and Tabla.*
- 9-30 p.m. **News in English.**
- 9-45 p.m. **"Did You Know?"**  
By ARTHUR D. SILAS.
- 10-0 p.m. **The Art Players.**  
*Directed by JOSEF BARTHEL.*
  - 1. MARCH - - - - - Alard.
  - 2. KOL NIDREI - - - - - Max Bruch.
  - 3. HUNGARIAN DANCE NO. 1 - - - - - Brahms.
  - 4. ORIENTALE - - - - - Cui.
  - 5. OLD VIENNA - - - - - Kreisler.
  - 6. SWEET ROSEMARY - - - - - Kreisler.
  - 7. ARAB SONG - - - - - Rimsky Korsakov.
  - 8. IF MY VERSES HAD WINGS - - - - - Hahn.
- 11-0 p.m. GOD SAVE THE KING-EMPEROR.

# Calcutta

VUC 370.4 metres 810 kc/s. 49.10 metres 6,109 kc/s.

- 1-0 p.m. *Time Signal.*  
SB Doris Meyer in A Short Piano Recital.
- 1-15 p.m. **Robert Pikler and His Hungarian Orchestra.**  
SB **Lunch Time Selections.**  
Relayed from "Firpo's" Restaurant.  
(By kind permission of the Management).  
Calcutta Weather Bulletin for Oceanraft and Rivercraft (if any.)
- 2-0 p.m. **Educational Broadcast for School Students**  
By NRIPEN CHATTERJEE.  
The Story of our Country. (1st Series).  
(a) The Early History of Bengal.  
(How Bengal got its Name; its place in Ancient Puranas; The Ancient Geography of Bengal; Establishment of the First Kingship in Bengal).
- 3-0 p.m. **Talk By BISHNU SARMA.**  
"Wild Life on the World's Greatest Island."
- 3-30 p.m. *Time Signal.*  
*Close down.*
- 5-30 p.m. *Time Signal.*  
Talk By KAMAL BOSE.  
(a) A Traditional Myth of Bengal:—"The Diamond Bird."  
(b) Difficulties Strengthen the Mind as Labour does the Body.—Don't be Disheartened.
- 6-15 p.m. **The Hungarian Ladies' Orchestra.**  
SB A Light Orchestral Concert.  
Relayed from the Palm Court of the Grand Hotel.
- 7-15 p.m. Weather Forecast, General News Bulletin,  
SB Market Prices, Jute and Gunny Closing Rates. (In Bengali).
- 7-30 p.m. **Indian Theatrical Night.**  
SB BETAR NATOOKEY DAL  
Presents:—"Ratneshwarer Mandirey."  
By Late PANDIT KSHIRODE PRASAD VIDYABENODE.

- 10-30 p.m. Weather Forecast, General News Bulletin,  
SB Market Prices, Jute and Gunny Closing Rates. (In English).
- 10-45 p.m. GOD SAVE THE KING-EMPEROR.  
*Time Signal.*  
*Close down.*

# Delhi

VUD 340.136 metres. 882 kc/s.

- 6-0 p.m. *Time Signal.*  
**I. B. S. Orchestra.**  
(Conducted by S. S. NIAZI).
- 6-15 p.m. **Classical Music.** Miss AKHTARI of Agra.
- 6-30 p.m. **Dulcitone Solo.** By Mr. S. SARWAR.
- 6-35 p.m. **Classical Music.** Miss ANWAR of Agra.
- 6-45 p.m. A Sarangi Solo.
- 6-55 p.m. **Light Music.** Miss AKHTARI OF Agra.
- 7-30 p.m. **"A Word to Mothers."**  
By Dr. S. A. HASHMI, M.B., B.S. (Punj.), R.M.P. (Delhi).
- 7-45 p.m. Miss ANWAR of Agra. More Songs.
- 8-0 p.m. **Duet.** *Sitar and Ditruba.*
- 8-15 p.m. Songs by Miss AKHTARI.
- 8-35 p.m. **I. B. S. Orchestra.**
- 8-45 p.m. **Classical Song.** Miss ANWAR of Agra.
- 9-0 p.m. **Light Song.** Miss AKHTARI.
- 9-15 p.m. **News in Hindustani.**
- 9-30 p.m. *Time Signal.*  
**News in English.**
- 9-45 p.m. **The Co-operative movement in India.**  
Miss AMY CRYAN.  
Miss Cryan, who is English lecturer and Librarian at the Lady Hardinge Medical College, Delhi, has acted as Assistant Commissioner and Official lecturer on Economics to the National Savings Movement in England. She has also studied the Co-operative movement in England, Ireland and the U.S.A.
- 10-0 p.m. A Selection of New Records.  
*Introduced by Mr. L. C. P. M. GRANT, O.B.E.*
- 11-0 p.m. *Close down.*

# B. B. C.

## TRANSMISSION I.

- GSF 15,140 kc/s (19.82 m.) GSB 9,510 kc/s (31.55 m.)
- 8-30 a.m. **Big Ben. A Sonata Recital.** Antonia Butler (Violoncello) and Kathleen Markwell (Pianoforte).  
Sonata in A major: Allegretto ben Moderato (2) illegro (3) Recitativo—Fantasia—Ben Moderato (4) Allegretto poco mosso (Franck, arr. Delsart).
- 9-0 a.m. **"Revisited—London."\*** A talk by Max Beer-bohm.
- 9-20 a.m. **Baxendale's (Manchester) Works Band conductor, F. Greenfield, Tommy Walker (Lancashire Comedian).**  
Band: Nibelungen March (Wagner), Naval Fantasia, A Sailor's Life (Cope) Spanish Waltz, Santiago (Corbin, arr. Hartmann). Tommy Walker Band: Trombone Solo, The Acrobat (Soloist, C. Cooke) (J. A. Greenwood) Selection. Milestones of Melody (arr. Denis Wright).  
*Greenwich Time Signal at 9-30 a.m.*
- 10-15 a.m. **The News and Announcements.**
- 10-35 a.m. *Close down.*

## TRANSMISSION 2.

- GSF 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.)
- 11-0 a.m. **Big Ben. Fredric Bayco, at the Organ of the Dominion Theatre, Tottenham Court Road, London.**
- 11-30 a.m. **The Trocadero Cinema Orchestra, directed by Alfred Van Dam. Relayed from the Troxy Cinema, London.**  
*Greenwich Time Signal at 12-0 noon.*

- 12-15 p.m. **"Imperial Affairs."\*** A talk by H. V. Hodson.
- 12-30 p.m. **The B.B.C. Dance Orchestra, directed by Henry Hall.**
- 1-0 p.m. **The News and Announcements.**
- 1-20 p.m. **Talk: "My Adventures in Arabia—Recent Wanderings." By Freya Stark.**
- 1-35 p.m. **Pianoforte Solos.†**
- 1-45 p.m. *Close down.*

## TRANSMISSION 3.

- Two of the following frequencies will be used:—  
GSG 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.),  
GSE 11,860 kc/s (25.29 m.), or GSB 9,510 kc/s (31.55 m.)
- 2-0 p.m. **Big Ben. Scottish Songs and Duets.** Noel Eadie (Soprano) and Findlater Macdonald (Baritone).  
Noel Eadie and Findlater Macdonald: Skye Boat Song (arr. Lawson), Noel Eadie; Ca' the Yowes; There are Twa Bonnie Maidens (arr. David Stephen), Findlater Macdonald; Mary (Richardson), Noel Eadie; The Flowers of the Forest (arr. David Stephen), Heart o' Fire Love (arr. Kennedy Fraser), Findlater Macdonald; Piper o' Dundee (Traditional), A Toast (for Auld Lang Syne) (Harthy), Noel Eadie and Findlater Macdonald; Huntingtower (Lady Nairne).
- 2-30 p.m. **The B.B.C. Northern Orchestra; leader, Alfred Barker; conductor, T. H. Morrison.**  
Prelude to La Traviata (Verdi), March, London Bridge (Eric Coates), January (The Seasons) (Tchaikovsky), Serenade for Small Orchestra, Op. 39: (1) Allegro Scherzando (2) Alla Marcia (3) Intermezzo (4) Pizzicato (5) Alla Gavotta (Percy Pitt), In the Garden (Rustic Wedding Symphony) (Goldmark), Serenade lyrique (Elgar), Selection, Old English Melodies (arr. Lane Wilson, orch. Hely-Hutchinson).
- 3-30 p.m. **"The Empirates" (5th Edition.\***  
A concert party entertainment with Effie Atherton; Ronald Hill; Tony Sympton; Jack Clarke; Angela Parselles (Australian); Bertha Willmot; and Frederick Yeomans. The programme presented by Ronald Hill and William MacLurg.
- 4-15 p.m. **A talk by the Chief Engineer of the British Broadcasting Corporation.\***  
*Greenwich Time Signal at 4-30 p.m.*
- 4-30 p.m. **The News and Announcements.**
- 4-50 p.m. **Violin Solos.†**
- 5-0 p.m. *Close down.*

## TRANSMISSION 4.

- Part I. Two or three of the following frequencies will be used:—  
GSI 15,260 kc/s (19.66 m.), GSD 11,750 kc/s (25.53 m.),  
GSB 9,510 kc/s (31.55 m.), GSL 6,110 kc/s (49.10 m.)
- Part II. Two of the following frequencies will be used:—  
GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
GSA 6,050 kc/s (49.59 m.)
- PART I.**
- 5-15 p.m. **Big Ben. The B.B.C. Dance Orchestra directed by Henry Hall.**
- 6-0 p.m. **The News and Announcements.**
- 6-20 p.m. **Brass Band Concert.†**
- 6-30 p.m. **Medvedeff's Balaiika Orchestra with Olga Alexeeva (Soprano), Max Turganoff (Tenor), and Vladimir Elin (Baritone).**  
Orchestra: Horovod (Birthday Suite) (Rimsky-Korsakov), Swedish Melody (Traditional), Vladimir Elin: Azra (Rubinstein), Orchestra: A Sailor Tune (Schumann), Max Turganoff: My Reverie (Cui), Orchestra: Chastoushka (Tulin), Olga Alexeeva: I Would be Free (Traditional), Orchestra: Storm on the Volga, Finale, Vecherinka—The Students' Evening Party. (All arrangements by Medvedeff.)  
*Greenwich Time Signal at 7-0 p.m.*
- 7-15 p.m. **The Leslie Bridgewater Quintet.**  
Fantasy on the Music of Tchaikovsky (arr. Bridgewater).
- 7-30 p.m. **"Young Ideas."**  
A programme for young people of all ages.
- 8-0 p.m. **Variety Feature.**
- 8-15 p.m. **From Abroad.\***  
A programme of home thoughts devised by W. M. Carnegie. Produced by Moultrie Kelsall.
- 8-55 p.m. *Close down.*
- PART II.**
- 9-10 p.m. **"Just a Little Music"**  
with Dudley Relfe and Mollie Maureen, who sing light song and duets and a few musical comedy successes, and Bobb Alderson, who plays the syncopated pianoforte numbers.

- 9-30 p.m. **West Country Gazetteer.**  
A periodical issued in county editions—second number—Wiltshire.  
*Greenwich Time Signal at 10-0 p.m.*
- 10-15 p.m. **The News and Announcements.**
- 10-35 p.m. **Dance Music.**†
- 10-45 p.m. *Close down.*

TRANSMISSION 5.

Two of the following frequencies will be used:—

GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
GSL 6,110 kc/s (49.10 m.), GSA 6,050 kc/s (49.59 m.).

- 11-0 p.m. **Big Ben. "Bound Away."**

A programme recalling the great days of the pioneers and explorers, and all those who emigrated to far places. The story will be told by the cast and chorus with songs and verses of days gone by. The programme presented by William MacLurg.

- 11-45 p.m. **Music by American Composers. The B.B.C. Empire Orchestra; leader, Daniel Melsa; conductor, Eric Fogg.**

March, The Washington Post (Sousa), Selection, Tell me More (Gershwin), Suite, Streets of Peking: (1) Sweet Rain Street (2) Shoemaker Street (3) Jade Street (4) Rickisha Boy No. 309, Ma Ben (Hadley), Selection, Wake up and Dream (Cole Porter), Country Dance Tune, The Irish Washerwoman (Lao Sowerby), Suite of Serenades (1) Spanish (2) Chinese (3) Cuban (4) Oriental (Victor Herbert), Selection, Rose Marie (Friml).

*Greenwich Time Signal at 12.0 midnight*

- 12-45 a.m. **The News and Announcements.**
- 1-5 a.m. *Close down.*

TRANSMISSION 6.

Two of the following frequencies will be used:—

GSD 11,750 kc/s (25.53 m.), GSC 9,580 kc/s (31.32 m.),  
GSL 6,110 kc/s (49.10 m.).

- 3-0 a.m. **Big Ben. Musical Comedy Programme. The B.B.C. Empire Orchestra; leader, Daniel Melsa conductor, Eric Fogg.**

Overture, The Arcadians (Monckton and Talbot, arr. Arthur Wood), Selection, Our Miss Gibbs (Caryl and Monckton), Waltz, Gipsy Love (Lehar), Selection, The Desert Song (Romberg), March, Soldiers in the Park (A Runway Girl) (Monckton).

*Greenwich Time Signal at 3-30 a.m.*

- 3-45 a.m. **The News.**

- 4-0 a.m. *Close down.*

\* Electrical recording.

† Gramophone records.

German

SOUTH ASIA.

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31.38 Metres.	6-30—8-15	11-00—12-35
DJQ—19.63 ..		
DJN—31.45 ..		
DJB—19.74 ..	9-45—13-15	14-15—17-45
DJN—31.45 ..		
DJN—31.45 ..	14-00—17-30	18-30—22-00
DJA—31.38 Metres.		
DJN—31.45 ..		

Berlin Time.

- 9-45 Call DJB, DJN (German, English). **German Folk Song. Programme Forecast (Germ., Engl.)**
- 10-0 "How beautiful my Vogtland is". Johanna Angermann, Soprano; the Waldemar Hass Orchestra.

- 10-30 News in English.
- 10-45 "Homesick." A Radio Piece by Eduard Reinacher.
- 11-45 News in German.
- 12-0 Concert of Light Music.
- 12-20 Topical Talk.
- 12-30 Concert of Light Music (continued).
- 13-00 News in English.
- 13-15 Close DJB, DJN (Germ., Engl.)

EAST ASIA.

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31.38 Metres.	6-30—8-15 7-00—7-15 8-00—8-15	11-00—12-45 11-30—11-45 12-30—12-45
DJQ—19.63 ..		
DJA—31.38 ..		
DJN—31.45 ..	14-00—17-30	18-30—22-00
DJN—31.45 ..	6-30—8-15	11-00—12-45
DJN—31.45 ..	14-00—17-30	18-30—22-00

Berlin Time

- 14-0 DJA, DJN Announcement (Germ., Engl.). **German Folk Song. Programme Forecast (Germ., Engl.)**
- 14-15 **Cheerful Choral Music.** The German Chord Union conducted by Rudolf Lamy.
- 14-45 News in English on DJA and in Dutch on DJN.
- 15-0 "Homesick." A Radio Piece by Eduard Reinacher.
- 16-0 Songs by Eduard Peterka. Edith Delbruck.
- 16-15 News in German on DJA and DJN.
- 16-30 Today in Germany. Sound Pictures.
- 16-45 "How beautiful my Vogtland is". Johanna Angermann, Soprano; the Waldemar Hass Orchestra.
- 17-15 News in English on DJA and in Dutch on DJN.
- 17-30 Close DJA, DJN (Germ., Engl.)

BUY

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AND BANK THE BALANCE

1936

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# Bombay

VUB 350.9 meters 855 kc/s.

- 12-0 noon. Selection of Indian Music.
- 1-0 p.m. Available Market Rates, A Miscellaneous Selection of Light Orchestral Music.
- 2-0 p.m. *Close down.*
- 5-30 p.m. Relay of Music from Regal Cinema.—The Theatre Magnificent. (By kind permission of the Management.)
- 6-30 p.m. **Gujerati Songs.** By HIMMATLAL PURSHOTTAM.
- 7-0 p.m. **Commercial News.**
- 7-15 p.m. **Bul Bul Tarang Solos.** By MASTER MOHILE.
- 7-50 p.m. **News in Hindi.**
- 8-0 p.m. **Light Classical Music.** By MEHABOOBJAN OF SHOLAPUR with *Sarangi, Harmonium and Tabla.*
- 9-30 p.m. **News in English.**
- 9-45 p.m. **Around The Town.** An AIRman's Diary.
- 10-0 p.m. **Dance Music.**
- 11-0 p.m. **GOD SAVE THE KING-EMPEROR.**

# Calcutta

VUC 370.4 metres 810 kc/s. 49.10 metres 6,109 kc/s.

- 1-0 p.m. *Time Signal.*
- SB **A Recorded Programme from the Studio,** arranged by Messrs. T. E. Bevan & Co. Ltd. (Regal Recording). **London Piano Accordion Band.** (Under the direction of Scott Wood). "Parade of the Guards."—*Medley.* **America's Favourite Song—"East of the Sun."** "East of the Sun (and west of the Moon)". "Stars over Devon." "Night and Day"—and Five Others by Same Composer "A Bouquet for Cole Porter." **New Yodels from Jimmie Rodgers.** "The Yodelling Ranger." "Mississippi Moon." **Larry Adler.** (Mouth Organ). "Rhapsody in Blue." "Larry Adler." **Gracie Fields** in her Famous Songs. "Serenade" (Toselli's Serenade). "Laugh, Clown, Laugh." **Serge Krish Septet.** "In Old Budapest."—*Czardas.* "Mighty Lak' a Rose." **A Hunting with Foden's Famous Band.** "Hunting Medley." "The Whistler and His Dog." Calcutta Weather Bulletin for Océanraft and Rivercraft (if any).
- 2-0 p.m. **Recorded Selections.**
- 2-30 p.m. **Talk by MRS. BELLA HALDER.** (a) Western Misconceptions of Eastern Customs. (b) Housekeeping Notes for Ladies.
- 3-0 p.m. **Kathakata** by RAGHU NATH BHATTACHARYA.
- 3-30 p.m. *Time Signal.*
- Close down.*
- 6-0 p.m. *Time Signal.*
- Light Bengali Song.** MISS PROFULLABALA.
- 6-10 p.m. **Rural Reconstruction Series—Talk.**
- 6-30 p.m. **Talk on Music** by SURESH CHANDRA CHAKRAVARTY, B.L.
- 6-50 p.m. **Piano Recital** by SURENDRA CHANDRA SIRCAR.

- 7-05 p.m. **Vocal Music (Bengali).** ABBASUDDIN AHMAD.
- 7-20 p.m. **SUKHENDU GOSWAMY.**
- 7-35 p.m. **DWIJENDRA NATH BANERJEE.**
- 7-55 p.m. **MISS INDUBALA.**
- 8-15 p.m. **Weather Forecast, 1st News Bulletin, Market SB** Prices, Jute and Gunny Closing Rates (In English).
- 8-30 p.m. **Gambhira Song** by TARAPADA LAHIRI.
- 8-40 p.m. **Comic Talk** by SARAT CHANDRA PANDIT.
- 9-0 p.m. **Instrumental Music.** SHAMBENDODE GHOSE—*Surkanon Solo.*
- 9-15 p.m. **Weather Forecast, General News Bulletin, Market SB** Prices, Jute and Gunny Closing Rates (In Bengali).
- 9-30 p.m. **A Summary of the Week's Sporting Events.** By BERTIE MEYER.
- 9-50 p.m. **The Grand Hotel Dance Orchestra.** Relay of Dance Music from "Prince's" Restaurant.
- 10-30 p.m. **2nd News Bulletin** in English.
- 10-45 p.m. **Dance Music** relayed from "Prince's" Restaurant.
- 11-0 p.m. **GOD SAVE THE KING-EMPEROR.**
- Time Signal.*
- Close down.*

# Delhi

VUD 340.136 metres. 882 kc/s.

- 6-0 p.m. *Time Signal.*
- I. B. S. Orchestra.** (Under S. S. NIAZI.)
- 6-15 p.m. **A Classical Concert.** By Prof. HAIDAR HUSSAIN of Jaipur.
- 6-45 p.m. **Light Music.** Miss ZOHRA JAN of AMBALA.
- 7-10 p.m. **Duet.** *Organ and Violin.*
- 7-30 p.m. **"Wit of Mirasis."** By Mr. ISHRAT RAHMANI. (Editor Nairang.)
- 7-45 p.m. **Light Songs.** By Miss ZOHRA JAN.
- 8-15 p.m. Prof. HAIDAR HUSSAIN. In Songs.
- 8-25 p.m. Miss NAWAB JAN of Ambala, *In Gazals.*
- 8-45 p.m. **I. B. S. Orchestra.**
- 8-55 p.m. Miss ZOHRA JAN.
- 9-15 p.m. **News in Hindustani.**
- 9-30 p.m. *Time Signal.*
- News in English.**
- 9-45 p.m. **My Dream of a Federal University.** Sir GEORGE ANDERSON, Kt., C.S.I., C.I.E. Sir George Anderson who is Education Commissioner with the Government of India has devoted some 30 years to the problems of education in India. As Secretary of the Calcutta University Commission, as Director of Public Instruction in the Punjab and as Chairman of the Punjab University Enquiry Committee, he has been tireless in his efforts to improve and develop the system of education in the country. He speaks tonight on his special dream of the future.
- 10-0 p.m. **Clarinet Solo.**
- 10-10 p.m. **Frisolous Music.** By SYED MASUM ALI of Delhi.
- 10-25 p.m. **Master NASIR AHMAD.** More Songs.
- 10-45 p.m. **More Selections.** By I. B. S. Orchestra,
- 11-0 p.m. *Close down.*

# B. B. C.

## TRANSMISSION 1.

GSF 15,140 kc/s (19.82 m.). GSB 9,510 kc/s (31.55 m.)

- 8-30 a.m. **Big Ben. "Bound Away." \*** A programme recalling the great days of the pioneers and explorers, and all those who emigrated to far places. The story will be told by the cast and chorus with songs and verses of days gone by. The programme presented by William MacLurg.
- 9-15 a.m. **A talk by the Chief Engineer of the British Broadcasting Corporation. \*** *Greenwich Time Signal at 9-30 a.m.*
- 9-30 a.m. **Music from the Empire.** Elva Bell (New Zealand Soprano), Sundari Iyengar (Indian Veena Player), Norman Menzies (Australian Baritone), Frederick Grinke (Canadian Violinist), and Virginia McLean (Canadian Pianist). Frederick Grinke and Virginia McLean: Sonata No. 2 in E: (1) Largo ed espressivo (2) Courante (3) Adagio (4) Gavotte (Healey Willan). Elva Bell: Five Songs of the Maori: He Waiaata Aroha (Alfred Hill), Jiti-Iorea (Poi Song and Huri-Huri) (H. Peripata), Hinemoa's Love Song (William James), Po Kare Kare; Kia-rite (Posture Song and Haka) (Alfred Hill), Sundari Iyengar: Norman Menzies: Yana maru; Minakshi (Traditional), Nukila Janau; Four Australian Bush Songs: The Land of Who Knows Where; Comrades of Mine; Bush Night Song; The Stock-riders' Song (William James). Frederick Grinke and Virginia McLean: Canadian Dance No. 2, Op. 5, No. 1 (Hector Gratton).
- 10-15 a.m. **The News.**
- 10-30 a.m. *Close down.*

## TRANSMISSION 2.

GSG 17,790 kc/s (16.86 m.). GSF 15,140 kc/s (19.82 m.)

- 11-0 a.m. **Big Ben. The B.B.C. Northern Orchestra.** leader, Alfred Barker; conductor, T. H. Morrison. Marjorie Crane and Margaret Blackburn (Duets for Two Pianofortes). Orchestra: March, The Light Horse (von Blon), Overture, Light Cavalry (Suppe), Waltz, The Grenadiers (Waldteufel) Marjorie Crane and Margaret Blackburn: Sonata in E major (J. S. Bach, arr. Keller). Orchestra: Chant elegiaque (Tchaikovsky), Humoresque (Dvorak), Toreador et Andalouse (Rubinstein), Marjorie Crane and Margaret Blackburn: Hardanger (Arnold Bax), Cortège; En bateau (Debussy, trans. Busset). Orchestra: Selection, Samson and Delilah (Saint-Saens). *Greenwich Time Signal at 12-0 noon.*
- 12-15 p.m. **"Books to Read." \*** Some suggestions for the listener's bookshelf by Eric Gillett.
- 12-30 p.m. **Pianoforte Recital. †**
- 12-45 p.m. **The Children's Hour.** Songs at the pianoforte by May Turtle, "Michael and Maureen," a play by Ian Priestly-Mitchell.
- 1-30 p.m. **The News.**
- 1-45 p.m. *Close down.*

## TRANSMISSION 3.

Two of the following frequencies will be used:

‡ GSG 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.), † GSE 11,860 kc/s (25.29 m.), or GSB 9,510 kc/s (31.55 m.).

- 2-0 p.m. **Big Ben. The B.B.C. Scottish Orchestra.**
- 2-35 p.m. **An excerpt from the Pantomime "Cinderella"** (By arrangement with Leon Salberg). **Relayed from the Alexandra Theatre, Birmingham.** Book by Reginald Cooper; music by David Cochran; produced by David Cochran. The cast includes: Prince Charming, Muriel Cronshaw; Cinderella, Avril Angers; Dandini, Kittie Prince; Fairy Godmother, Marie Shaw; Buttons, Wee Georgie Wood; the Baron, George Betton; the Ugly Sisters, Clarkson Rose and Eddie Henderson; the Broker's Men, Rich and Galvin; the Fairies of True Love and Happiness, the Volonoff Twins; the Bon Ton Rascals; the Lehmski Girls; four cream ponies.
- 3-30 p.m. **The J. H. Square Celeste Octet.** *Greenwich Time Signal at 4-30 p.m.*
- 4-30 p.m. **The News.**
- 4-45 p.m. **The Yascha Krein Gipsy Orchestra.** Buran (Traditional, arr. Krein). Souvenir de Mona Lisa (Schebek). Zigeunersohnsucht (Gipsy's Loning) (Nicklass-Kempner). Parlemoi d'autre chose (Speak to me of Something Else) (Delettre).
- 5-0 p.m. *Close down.*

\*Electrical recording. †Gramophone records.

TRANSMISSION 4.

Part I. Two or three of the following frequencies will be used :  
 GSI 15,260 kc/s (19.66 m.), GSD 11,750 kc/s (25.53 m.),  
 GSB 9,510 kc/s (31.55 m.), GSL 6,110 kc/s (49.10 m.)  
 Part II. Two of the following frequencies will be used :  
 GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
 GSA 6,050 kc/s (49.59 m.)

PART I.

- 5-15 p.m. **Big Ben. The B.B.C. Dance Orchestra, directed by Henry Hall.**
- 6-0 p.m. **The News.**
- 6-20 p.m. **Variety.**†
- 6-30 p.m. **The Victor Olof Sextet.**  
 Ballet Suite, Sylvia (Delibes, arr. Alder). Believe me if All those Endearing Young Charms (arr. Carlton Mason). Canzonetta (Godard). Colonial Song (Grainger). Two Shanties (arr. Eric Thiman).

Greenwich Time Signal at 7-0 p.m.

- 7-0 p.m. **The Saturday Magazine.**  
 A Week-end programme including In Town Tonight. Edited by A. W. Hanson.
- 7-45 p.m. **"Books to Read."** \*  
 Some suggestions for the listener's bookshelf by Eric Gillett.
- 8-0 p.m. **Last Night of the Promenade Concerts (Winter Season), relayed from the Queen's Hall, London. (Sole Lessees, Messrs. Chappell and Co., Ltd). Stiles Allen (Soprano). John Brownlee (Tenor). Solo Pianoforte, Lamond. The B.B.C. Symphony Orchestra (Principal Violin, Marie Wilson), conducted by Sir Henry J. Wood. Part I.**

(a) Trumpet Voluntary (Purcell). (b) Gavotte in E, for Strings (Bach). Aria, Ritorna Vincitor (Aida) (Soloist, Stiles Allen) (Verdi). La Mer (Three Symphonic Sketches) : (1) De l'aube a midi sur la mer (2) Jeux de vagues (3) Dialogue du vent et de la mer (Debussy). Totentanz, for Pianoforte and Orchestra (Solo Pianoforte, Lamond) (Liszt). Wolfram's Arias : (a) Gazing Around (b) O Star of Eve (Tannhauser) (Soloist, John Brownlee) (Wagner). Symphonic Poem, Till Eulenspiegel (Strauss).

9-30 p.m. **Close down.**

PART II.

- 9-45 p.m. **A Recital by Enid Tait (Violin).**  
 Rondo (Mozart, arr. Kreisler). Liebeslied (Old Viennese Dance, No. 2) (Kreisler). Molly on the Shore (Irish Reel). (Grainger, arr. Kreisler).
- Greenwich Time Signal at 10-0 p.m.
- 10-0 p.m. **The News.**
  - 10-20 p.m. **The Gershom Parkington Quintet. Helen Sandow (Contralto).**  
 Quintet : Revé (D'Ambrosio). Niut d'etoiles (Debussy) Rustle of Spring (Sinding). Ich liebe dich (Grieg). Helen Sandow : Nocturne (Redman). Cornish Land (Ashworth-Hopel). The Dream Ship (Ilva Trevaylor). Over the Mountains (Roger Quilter).
  - 10-45 p.m. **Close down.**

TRANSMISSION 5.

Two of the following frequencies will be used :  
 GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
 GSL 6,110 kc/s (49.10 m.), GSA 6,050 kc/s (49.59 m.)

11-0 p.m. **Big Ben. Music from the Empire, Elva Bell (New Zealand Soprano), Sundari Iyengar (Indian Veena Player), Norman Menzies (Australian Baritone), Frederick Grinke (Canadian Violinist), and Virginia McLean (Canadian Pianist).**

Frederick Grinke and Virginia McLean : Sonata No. 2 in E : (1) Largo ed espressivo (2) Courante (3) Adagio (4) Gavotte (Healey Willan). Elva Bell : Five Songs of the Maori : He Waiata Aroha (Alfred Hill), Jiti-Jorea (Poi Song and Huri-Huri) (H. Peripata), Hinemoa's Love Song (William James), Po Kare Kare : Kia-rite (Posture Song and Haka) (Alfred Hill). Sundari Iyengar : Nikila Janani : Yana maru (Traditional), Minakshi (Dikshita). Norman Menzies : Four Australian Bush Songs : The Land of Who Knows Where : Comrades of Mine : Bush Night of Song : The Stockrider's Song (William James). Frederick Grinke and Virginia McLean : Canadian Dance No. 2, Op. 5, No. 1 (Hector Gratton).

11-45 p.m. **Music by Edward German.†**  
 Greenwich Time Signal at 12-0 midnight.

12-0 a.m. **"The Empirates."**  
 (5th Edition). \* A concert party entertainment with Effie Atherton ; Ronald Hill ; Tony Sympton ; Jack Clarke ; Angela Parselles (Australian) ; Bertha Willmott ; and Frederick Yeomans. The programme presented by Ronald Hill and William MacLurg.

12-45 a.m. **The News.**  
 1-5 a.m. **Close down.**

TRANSMISSION 6.

Two of the following frequencies will be used :  
 GSD 11,750 kc/s (25.53 m.), GSC 9,580 kc/s (31.32 m.),  
 GSL 6,110 kc/s (49.10 m.)

3-0 a.m. **Big Ben "Imperial Affairs." \* A talk by H. V. Hodson.**

3-15 a.m. **A Recital by Mrs. Norman O'Neill (Pianoforte).**  
 Allegro in C ; Tempo di Ballo ; Presto in E (Scarlatti). Soiree de Vienne, No. 6 (Schubert, arr. Liszt). Jardins sous la pluie ; Reflets dans l'eau ; L'Isle joyeuse (Debussy).

Greenwich Time Signal at 3-30 a.m.

3-45 a.m. **The News and Announcements.**  
 4-5 a.m. **Close down.**

We regret that for various reasons it has not yet been possible to synchronize the publication of B.B.C. Empire programmes exactly with that of the *Indian Listener*. It is hoped that this may be arranged shortly. Meanwhile the B.B.C. programmes for 29th-31st December 1935, will be found on pages 63-65 of this issue, and the B.B.C. Programmes for 12th, 13th, 14th and 15th January 1936, will appear in our next issue.

German SOUTH ASIA.

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31.38 Metres.	6-30—8-15	11-00—12-35
DJQ—19.63 ..		
DJN—31.45 ..		
DJB—19.74 ..	9-45—13-15	14-15—17-45
DJN—31.45 ..		
DJN—31.45 ..		
DJA—31.38 Metres.	14-00—17-30	18-30—22-00
DJN—31.45 ..		
DJQ—19.63 ..		

- Berlin Time.
- 9-45 **Call DJB, DJN (German, English). German Folk Song. Programme Forecast (Germ., Engl.)**
  - 10-0 **Cheerful Choral Music. The German Choral Union conducted by Rudolf Lamy.**
  - 10-30 **News in English.**
  - 10-45 **Brass Band.**
  - 11-45 **News in German.**
  - 12-0 **Orchestra Concert. Leonore Overture No. III by Ludwig van Beethoven. Violin Concerto in D major by Brahms. Soloist : Edith von Viohtlander (Violin). Conductor : W. Richter-Reichhelm.**
  - 13-0 **News in English.**
  - 13-15 **Close DJB, DJN (Germ., Engl.)**

EAST ASIA.

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31.38 Metres.	6-30—8-15	11-00—12-45
DJQ—19.63 ..		
DJN—31.45 ..		
DJA—31.38 ..	7-00—7-15	11-30—11-45
DJN—31.45 ..		
DJN—31.45 ..		
DJA—31.38 ..	8-00—8-15	12-30—12-45
DJN—31.45 ..		
DJN—31.45 ..		
DJA—31.38 ..	14-00—17-30	18-30—22-00
DJN—31.45 ..		
DJN—31.45 ..		

- Berlin Time.
- 14-0 **DJA, DJN Announcement (Germ., Engl.) German Folk Song. Programme Forecast (Germ., Engl.)**
  - 14-15 **Quintet for Piano, Oboe, Clarinet, Horn and Bassoon Op. 16 by Ludwig van Beethoven. Hans Erich Riebensahm and the State Opera Wind Quartet.**
  - 14-45 **News in English on DJA and in Dutch on DJN.**
  - 15-0 **Symphony Concert. Overture to "Rosamunde" by Schubert ; Piano Concerto by Max Trapp ; Symphony No. IV in D minor by Robert Schumann. Soloist : Emmy Braun. Conductor : Werner Richter-Reichhelm.**
  - 16-15 **News in German on DJA and DJN.**
  - 16-30 **Today in Germany. Sound Pictures.**
  - 16-45 **Tom and Sid. Some Merry Tale of Two. Young Scamps by Alfred Erich Sisting.**
  - 17-15 **News in English on DJA and in Dutch on DJN.**
  - 17-30 **Close DJA, DJN (Germ., Engl.)**

\*Electrical recording. †Gramophone records.

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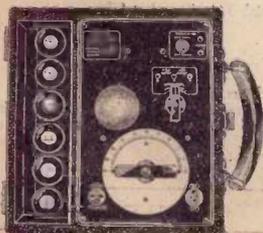
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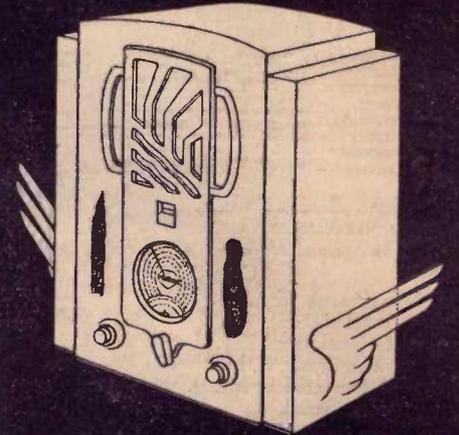
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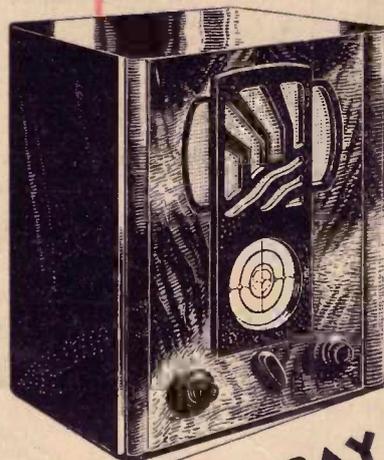
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# Bombay

VUB 350.9 metres 855 Kc/s.

- 10-30 a.m. The V. U. B. Ensemble.**  
Directed by DOMINIC J. PEREIRA.  
MARCH - "Russe" - Ohlsen.  
OVERTURE - "The White Lady" - Boildieu.  
WALTZ - "Vienna Blood" - Strauss.  
SELECTION - "Rigoletto" - Verdi.  
MINUET - "The Ox" - Haydn.  
SERENADE - "Beautiful Night" - Laftenschlager.  
FANTASY - "A Wedding Trip through Scandinavia" - Frederiksen.
- 11-30 a.m. Light Classical Music.**  
By NARAYANRAO VYAS.  
With Sarangi, Harmonium and Tabla.  
*Close Down.*
- 1-0 p.m. Be Kharab Jana.**  
(Two Bad Ones).  
A Gujarati Social Play.  
Written by Mr. K. M. MUNSHI  
and Presented by Mr. J. M. VARMA, Secretary,  
Sahitya Sanad.
- 7-50 p.m. News in Hindi.**
- 8-0 p.m. Light Classical Music.**  
By BAI VATSALABAI PARWATKAR.  
With Sarangi, Harmonium and Tabla.
- 9-30 p.m. News in English.**
- 9-45 p.m. H. E. The Governor's Orchestra.**  
Under the direction of Mr. H. T. J. GEBBELS,  
A.R.C.M.  
(By kind permission of His Excellency.)  
1. MARCH - "Nibelungen" - Wagner.  
2. SELECTION OF DANCE MEMORIES - Arr. Finck.  
Introducing: "Du und Du."  
"Sweethearts."  
"Mabel."  
"Je T'aime."  
"Country Girl."  
"Amoretten Tanz."  
"Caressante."  
"Rum-Tum-Tum."  
"The Sultan's Polka."  
"Black and Tan."  
"The Piccaninies."  
"The Passing of Ragtime."  
"Mazurka."  
"Polonaise."  
"Tarantelle."  
"Spanish Dance."  
"Tango Lolita", etc.
3. EXCERPT FROM THE SUITE - "La Feria" - Lacombe.  
4. VALSE - "Rosen aus dem Suden" - Strauss.  
5. HARP SOLO - "Song without Words" - Dubez.  
6. EXCERPT FROM THE BALLET MUSIC TO - "Faust" - Gounod.  
7. POETIC POEM - "Sous la Lune" - Kotelby.  
8. DESCRIPTIVE - "The Flight of the Bumble-Bee" - R. Korsakov.  
9. VIOLIN SOLO - "Le Canario" - Polakín.  
10. GRAND SELECTION of Old Favourite Songs - Stodden.  
Introducing: "Fall in and follow me, etc."
- 11-0 p.m. GOD SAVE THE KING-EMPEROR.**

# Calcutta

VUC 370.4 metres 810 kc/s. 49.10 metres 6,109 kc/s.

- 9-0 a.m. Time Signal.**  
**Instrumental Music.**  
GOPAL CHANDRA, GHARU Sanai Solo.
- 9-15 a.m. Vocal Music (Bengali).**  
SATYENDRA NATH CHAKRAVARTY.
- 9-25 a.m. Miss SARASWATY.**
- 9-45 a.m. Miss RADHARANYA.**
- 10-0 a.m. Miss KAMALABALA.**
- 10-20 a.m. Instrumental Music.**  
RAJENDRA NARAYAN SEN GUPTA—Sarode Solo.
- 10-40 a.m. Review of Stage and Screen by CHITRA GUPTA.**
- 11-0 a.m. Summary of News in Bengali.**  
SB

- 11-15 a.m. The Grand Hotel Orchestra.**  
SB **Morning Musical Concert.**  
Relayed from the Palm Court of the Grand Hotel.  
Summary of News in English.
- 1-30 p.m. Time Signal.**  
*Close down.*
- 6-30 p.m. Church Service** relayed from St. Paul's Cathedral,  
SB Calcutta.
- 7-45 p.m. A mixed Programme under the direction**  
of Sj. Amiya Prokash Mukherjee.  
Kumari GEETA MITTRA.  
" ANUPAMA MUKHERJEE.  
" MONIMALA GANGULY.  
" SCHOOLAPANI BANERJEE.  
" SHANTIMOYEE PATHAK.  
" RATNAMALA SEN.
- 9-0 p.m. News Bulletin in Bengali.**  
SB
- 9-15 p.m. News Bulletin in English.**  
SB
- 9-30 p.m. The Calcutta Symphony Orchestra.**  
SB The Fourth Symphony Concert of the Season,  
1935-36.  
Relayed from the New Empire Theatre, Calcutta.  
Principal: PHIL SANDRE—Mus. Doc.  
Conductor: A. DE BOIS SHROSBREE.
- 11-30 p.m. GOD SAVE THE KING-EMPEROR.**  
*Time Signal.*  
*Close down.*

# Delhi

VUD 340.136 metres. 882 Kc/S.

- 9-0 a.m. Time Signal.**  
**A Sung Eucharist.**  
(Relayed from St. James' Church, Delhi).
- 10-0 a.m. Quawalis and Ghazals.**  
By ABDUR RAZZAK QUAWAL of Aligarh.
- 11-0 a.m. Close Down.**
- 6-0 p.m. Time Signal.**
- 6-15 p.m. The I.B.S. Orchestra.**
- 6-25 p.m. Dehati Suqrar.—(Village Socrates.)**
- 6-45 p.m. Folk Songs.**
- 6-45 p.m. "Cleanliness."**  
Dr. S. A. HASHIMI, M.B.,B.S. (Punj.), R.M.P.  
(Delhi.)
- 7-0 p.m. "Frivolous Music." By MASUM ALI.**
- 7-15 p.m. A Play. By MUFTI GAUHAR SHADANI.**  
"Gunah-ki-Qimat."  
(Directed by K. M. IFTIKHARULLAH.)
- 9-15 p.m. News in Hindustani.**
- 9-30 p.m. Time Signal.**  
**News in English.**
- 9-45 p.m. A Concert by His Excellency the Viceroy's Orchestra.**  
(Under the direction of LT. C. H. FENNER,  
M.B.E., L.R.A.M.)  
(By kind permission of H.E. The Right Honourable  
The Earl of Willingdon, P.C., G.M.S.I., G.C.M.G.,  
G.M.I.E., G.B.E., Viceroy and Governor-General  
of India.)  
MARCH - "Crown of Joy" - Dicker  
SELECTION - "Alpine Memories" - Arr. Winter  
SPANISH SUITE - "In Malaga" - Curzon  
POTPOURRI - "Students Songs" - Douglas  
POPULAR MELODIES - Brahm's  
OVERTURE - "Nozzi di Figaro" - Mozart
- 10-45 p.m. Close Down.**

# B. B. C.

- 3-0 a.m. Big Ben. The Victor Olof Sextet.\***  
Ballet Suite, Sylvia (Delbes, arr. Alder). Believe me, if A  
those Endearing Young Charms (arr. Carlton Mason).  
Canzonets (Godard). Colonial Song (Grainger). Two  
Shanties (arr. Eric Thiman).  
*Greenwich Time Signal at 3-30 a.m.*
- 3-30 a.m. "Books to Read."\***  
Some suggestions for the listener's bookshelf by Eric Gillett.
- 3-45 a.m. The News.**
- 4-5 a.m. Close Down.**
- \*Electrical recording. †Gramophone records.

# German

## SOUTH ASIA.

(Indian Standard Time is 4 hours and 30 minutes ahead of Berlin Time.)

Call Sign—Wavelength.	Berlin.	Bombay (I.S.T.)
DJA—31-38 Metres.		
DJQ—19-63 ..	6-30—8-15	11-00—12-45
DJN—31-45 ..		
DJB—19-74 ..	9-45—13-15	14-15—17-45
DJN—31-45 ..		
DJN—31-45 ..	14-00—17-30	18-30—22-00
DJA—31-38 ..		
DJN—31-45 ..		
DJQ—19-63 ..	6-30—8-15	Musical Entertainment and News

Berlin Time.

- 9-45 Call DJB, DJN (German, English). German Folk Song. Programme Forecast (Germ., Engl.). Outstanding Broadcasts of the Week.**
- 10-0 Woman's Hour. The Sisters of the Great King.**  
Radio Pictures by Lisa Schulze-Kunstmann.
- 10-30 News and Review of the Week in English.**
- 10-45 A Merry Proverb Tournament with Bavarian Dances and Music Manuscript: Hellmuth Kassing.**
- 11-45 News and Review of the Week in German.**
- 12-0 Concert of Light Music.**
- 13-0 News and Review of the Week in English.**
- 13-15 Close DJB, DJN (Germ., Engl.)**

## EAST ASIA.

(Indian Standard Time is 4 hours and 30 Minutes ahead of Berlin Time.)

Call Sign—Wavelength.	Berlin.	Bombay (I.S.T.)
DJA—31-38 Metres		
DJQ—19-63 ..	6-30—8-15	11-00—12-45
	7-00—7-15	11-30—11-45
	8-00—8-15	12-30—12-45
DJA—31-38 ..	14-00—17-30	18-30—22-00
DJN—31-45 ..	6-30—8-15	11-00—12-45
DJN—31-45 ..	14-00—17-30	18-30—22-00

Berlin Time.

- 14-0 DJA, DJN Announcement (Germ., Engl.) German Folk Song. Programme Forecast (Germ. & Eng.). Outstanding Broadcasts of the Week.**
- 14-15 Something for Sunday Evening.**
- 14-30 "Twenty Five Years of the Kaiser Wilhelm Society."**  
A Conversation with Professor Max Planck.
- 14-45 News and Review of the Week in English on DJA and in Dutch on DJN.**
- 15-0 H. Y. Programme: Music by the H. Y.**
- 15-15 Brass Band.**
- 16-15 News and Review of the Week in German on DJA and DJN.**
- 16-30 Concert of Light Music.**
- 16-45 Woman's Hour. The Sisters of the Great King**  
Radio Pictures by Lisa Schulze-Kunstmann.
- 17-15 News and Review of the Week in English on DJA and in Dutch on DJN.**
- 17-30 Close DJA, DJN (Germ., Engl.)**



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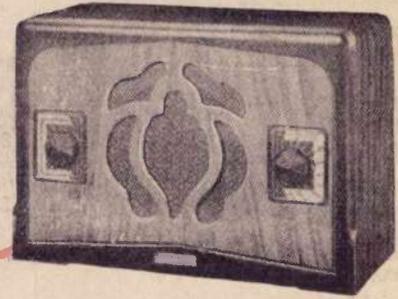
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# Bombay

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- 12-0 noon. Selection of Indian Music.
- 1-0 p.m. Available Market Rates.  
*An Hour with H.M.V. Records.*
- 2-0 p.m. *Close Down.*
- 5-30 p.m. A Recorded Selections.
- 6-0 p.m. **Light Music.**  
By VINAYAKARAO HARSHE.
- 7-0 p.m. **Commercial News.**
- 7-15 p.m. **Shree Bhagwat Geeta Pravachan.**  
*(In Marathi).*
- 7-30 p.m. **Talkies Tunes.**  
Selection of Tunes from Indian Talkies and Shows.
- 7-50 p.m. **News in Hindi.**
- 8-0 p.m. **Light Classical Music.**  
By MANIRAM MOTIRAM.
- 9-30 p.m. **News in English.**
- 9-45 p.m. **Indian and The World.**
- 10-0 p.m. **Ken Mac and His Dance Band.**
- 11-0 p.m. **GOD SAVE THE KING-EMPEROR.**

# Calcutta

VUC 370.4 metres 810 kc/s. 49.10 metres 6.109 kc/s.

*Time Signal.*

- 1-0 p.m. **Sydney Pearch's Sextette.**  
SB **A Light Orchestral Concert from the Studio.**  
SUITE "Les Deux Pigeons" *Messenger-*  
"On Grandma's Birthday" *Heykens.*  
"The First Flower in the Garden" *Heykens.*  
MELODIES FROM "The Mikado" *Sullivan.*  
Flute and Piccolo Solos: (Selected) *Soloist-*  
*Sydney Pearch.*  
MUSICAL COMEDY "Mother of Pearl" *O. Strauss.*  
WALTZ "New Life" *Komzak.*  
Calcutta Weather Bulletin for Oceanraft and Rivercraft (if any).
- 2-0 p.m. **Educational Broadcast for School Students.**  
By NRIPEN CHATTERJEE.—An Hour Between Ourselves.  
(a) The Idea of the Day—Loyalty—*What it Implies.*  
(b) News That You Might Have Missed.  
(c) Test Your Knowledge—*Questions.*  
(Answers will be gladly received from Student Listeners and broadcast if found correct.)  
(d) Some Latest Publications for You.
- 3-0 p.m. **Talk.** By BISHNU SARMA.  
Stories from the World's Best Classics.
- 3-30 p.m. *Time Signal.*  
*Close Down.*
- 6-0 p.m. *Time Signal.*  
**Instrumental Music.**  
GANGA CHARAN NANDY—*Violin Solo.*
- 6-10 p.m. **Rural Reconstruction Series—Talk.**
- 6-30 p.m. **Vocal Music (Bengali).**  
SHIBABRATA BOSE.

- 6-45 p.m. **HARIPADA ROY.**
- 7-0 p.m. **NITAI GHATAK.**
- 7-15 p.m. **Relay of a Special Programme.** By the Members of the New Theatres Ltd., under the direction of Mr. R. C. BORAL from the Tollygunge Studio.  
*(By kind permission of the Management.)*
- 8-15 p.m. **Weather Forecast, 1st News Bulletin, Market Prices, Jute and Gunny Closing Rates.**  
*(In English).*
- 8-30 p.m. **An Empire Programme from Daventry.**
- 9-15 p.m. **Weather Forecast, General News Bulletin, Market Prices, Jute and Gunny Closing Rates.**  
*(In Bengali).*
- 9-30 p.m. **Vocal Music (Bengali).**  
Miss PROVABATY.
- 9-50 p.m. **ZAMIRUDDIN KHAN.**
- 10-10 p.m. **Interesting News of the World**  
By CHITRA GUPTA.
- 10-30 p.m. **2nd News Bulletin. (In English).**
- 10-45 p.m. **GOD SAVE THE KING-EMPEROR.**  
*Time Signal.*  
*Close Down.*

# Delhi

VUD 340.136 metres. 882 Kc/S.

- 6-0 p.m. *Time Signal.*  
**The I.B.S. Orchestra.**  
*(Conducted by S. S. NIAZI).*
- 6-15 p.m. **Light Music.**  
Master EJAZ ALI of Amritsar.
- 6-45 p.m. **Sarangi and Sitar—(Duet).**
- 7-0 p.m. **Gazals and Thumri.**  
RASHIDA BEGUM of Lahore.
- 7-45 p.m. **Punjabi Songs.**  
Master EJAZ ALI of Amritsar.
- 8-5 p.m. **Jaltarang Solo.**
- 8-15 p.m. **Bhajans.** By RASHIDA BEGUM.
- 8-35 p.m. **The I.B.S. Orchestra.**
- 8-45 p.m. **More Songs.** Master EJAZ ALI.
- 9-0 p.m. **RASHIDA BEGUM.**
- 9-15 p.m. **News in Hindustani.**
- 9-30 p.m. *Time Signal.*  
**News in English.**
- 9-45 p.m. **Hockey in Delhi.** Mr. T. P. GATELEY.  
This is a subject which needs no introduction. Mr. Gateley is one of the fastest hockey players in India. During his career at St. George's College, Mussoorie, he was often seen playing in the 'Nondescript' hockey team. His knowledge of the game is not unknown to the many hockey enthusiasts in Delhi.
- 10-0 p.m. **A Dance Night.**  
**Louis and his International Aces.**  
1. **FAST FOX TROT.** "Hilton Stomp" *B. Ternet*  
2. **FOX TROT.** "Here's to Romance from ("Here's to Romance") (A Fox Picture). *Conrad and H. Magidson.*  
3. **RUMBA FOX TROT** "The Gaucho" *Walter and G. Samuels.*

- 4. **VALSE** "Isle of Sweethearts" *M. Yvain.*
- 5. **FAST FOX TROT.** "Bugle Call Rag" *J. Pettis.*
- 6. **TANGO** "In Old Seville" *J. Mills and E. Schoebel.*
- 7. **FOX TROT** "Wanna go back to Honolulu" *W. Rosen.*
- 8. **VELETA** "Red Sails in the Sunset" *H. Leon.*
- 9. **SLOW FOX TROT** "Red Sails in the Sunset" *A. Morris.*
- 10. **RUMBA FOX TROT** "Midnight in Paris from (Here's Romance) a Fox Picture" *J. Kennedy, and H. Willias.*
- 11. **NEW CHARLESTON** "Truckin' on down" *E. Blake.*
- 12. **WALTZLAND** "Selection" *Arr. Stoddon.*
- 13. **TANGO** "An old Spanish Tango" *F. Rotter and W. Jurnann.*
- 14. **SLOW FOX TROT** "The Creole Love call" *D. Ellington.*
- 15. **FOX TROT** "Don't Ever Leave Me" *J. Kern*
- 16. **FOX TROT** "It's you I only love" *A. M. Louis*

11-0 p.m. *Close Down.*

# German SOUTH ASIA.

Call Sign—Wavelength.	Berlin.	Bombay (I.S.T.)
DJA—31.38 Metres.	6-30—8-15	11-00—12-45
DJQ—19.63 ..		
DJN—31.45 ..	9-45—13-15	14-15—17-45
DJB—19.74 ..		
DJN—31.45 ..	14-00—17-30	18-30—22-00
DJA—31.38 ..		
DJN—31.45 ..	6-30—8-15 Musical Entertainment and News.	
DJQ—19.63 ..		

Berlin Time.

- 9-45 **Call DJB, DJN (German, English). German Folk Song. Programme Forecast (Germ., Engl.)**
- 10-0 "A Waltz and a Lullaby" (Tale of Brahms' Youth) Manuscript: Fritz Chlodewig Lange.
- 10-30 **News in English.**
- 10-45 **Orchestral Concert.**
- 11-45 **News in German.**
- 12-0 **Concert of Light Music.**
- 13-0 **News in English.**
- 13-15 **Close DJB, DJN (Germ., Engl.)**

# EAST ASIA.

Cal Sign—Wavelength.	Berlin.	Bombay (I.S.T.)
DJA—31.38 Metres.	6-30—8-15	11-00—12-45
DJQ—19.63 ..		
DJA—31.38 ..	14-00—17-30	18-30—22-00
DJN—31.45 ..		
DJN—31.45 ..	6-30—8-15	
DJN—31.45 ..	14-00—17-30	

Berlin Time.

- 14-0 **DJA, DJN Announcement (Germ., Engl.). German Folk Song. Programme Forecast (Germ., Engl.)**
- 14-15 **Orchestral Concert.**
- 14-45 **News in English on DJA and in Dutch on DJN.**
- 15-0 **Some Serenade Selections.** Arranged with Connecting Text by Franz Wolf. Inge Vesten, Soprano; Franz Wolf, Baritone; The Erish Scheidewind Orchestra.
- 15-45 "A Waltz and a Lullaby" (Tale of Brahms' Youth) Manuscript: Fritz Chlodewig Lange.
- 16-15 **News in German on DJA and DJN.**
- 16-30 **Today in Germany.** Sound Pictures.
- 16-45 **Orchestral Concert (continued).**
- 17-15 **News in English on DJA and in Dutch on DJN.**
- 17-30 **Close DJA, DJN (Germ., Engl.)**

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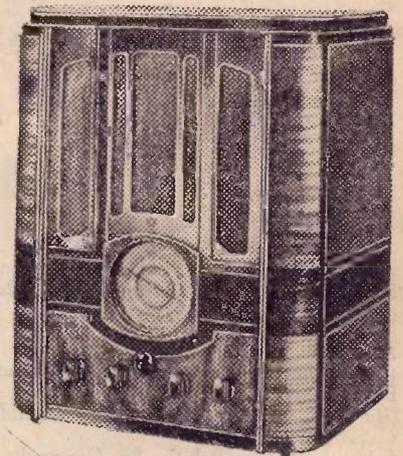
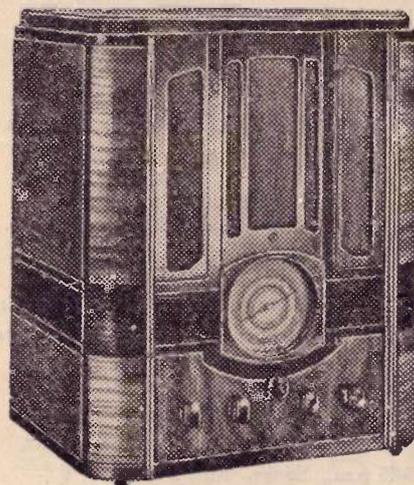
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Metal Tubes  
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## BOMBAY RADIO COMPANY, LTD.

16, New Queen's Road, BOMBAY 4.

7, Esplanade East,  
CALCUTTA.

1/18, Mount Road,  
MADRAS.

# Bombay

VUB 350.9 metres 855 Kc/s.  
31.36 metres 9565 kcs/s.

- 12-0 noon. Selection of Indian Music.
- 1-0 p.m. Available Market Reports.  
Marek Weber and his Orchestra (H.M.V.)
- 2-0 p.m. Relay from Rotary Club (if available).
- 2-30 p.m. Close down.
- 5-30 p.m. Relay of Music from Capitol Cinema.  
(By kind permission of the Management.)
- 6-30 p.m. Light Music.  
By YESHWANT K. LOLEKAR.
- 7-0 p.m. Commercial News.
- 7-15 p.m. In and Around Bombay.  
A Weekly Survey of events in and around Bombay during the past week garnered and presented by "BHRAMAR".
- 7-25 p.m. Comic Skits.  
(A Recorded Programme.)
- 7-50 p.m. News in Hindi.
- 8-0 p.m. The V. U. B. Indian Orchestra.  
SB Conducted by DINKERRAO AMEMBAL - - - Piano.  
from G. A. JOSHI of Aundh - - - Violin.  
8-30 p.m. MAJID KHAN - - - Sarangi-  
S. G. ATHAVLE - - - Organ.  
B. N. KULKARNI - - - Sitar.  
KAMOO - - - Tabla.
- 9-30 p.m. News in English.
- 9-45 p.m. Some Recent Books.  
By C. P. G. WADE.
- 10-0 p.m. The Life of Beethoven  
A Biography in Music.  
Beethoven, was born in Bonn, (Germany). He is a colossus of music. Every page of his music is a page of his own personal heart history. But his personal life history is one of the greatest tragedies ever written.
- 11-0 p.m. GOD SAVE THE KING-EMPEROR.

# Calcutta

VUC 370.4 metres 810 kc/s, 49.10 metres, 6,109 kc/s.

- 1-0 p.m. Time Signal.  
SB A Recorded Studio Programme arranged by Messrs. Taylor's Gramophone Saloon.  
(“Parlophone” Recording.)
- 1-40 p.m. A Talk—  
SB (Relayed from the Great Eastern Hotel, Calcutta.)  
(Approx.) By a member of the Rotary Club.  
(By kind permission of the Rotary Club of Calcutta.)  
Calcutta Weather Bulletin for Oeancraft and Rivercraft—(if any.)
- 2-0 p.m. Selections from Gramophone Records.
- 2-30 p.m. Health Talk by BROMENDRA NATH BHADRA of the Calcutta Corporation.
- 2-45 p.m. Talk by BISHNU SARMA.  
An Ideal Woman of Europe.
- 3-30 p.m. Time Signal.  
Close Down.
- 6-0 p.m. Time Signal.  
Talk by Mejdidi.  
(a) On Things that Interest You and Me.  
(Plants and Insects).  
(b) What is “Toc H?”—(Answer to Query).  
(c) Stories from the Puranas.
- 7-0 p.m. Music Training for Beginners by P. K. MULLICK.
- 7-20 p.m. Mixed Bengali Songs.  
SHAILESH DATTA GUPTA—Modern:
- 7-35 p.m. HARIDAS BANERJEE—Comic.

- 7-55 p.m. Miss BINAPANY—Light Classical.
- 8-15 p.m. Weather Forecast, 1st News Bulletin, Market Prices, Jute and Gunny Closing Rates. (In English).  
SB
- 8-30 p.m. Vocal Music—(Bengali).  
SACHIN MULLICK.
- 8-40 p.m. KRISHNA CHANDRA DEY.
- 9-0 p.m. Instrumental Music.  
BETAR ORCHESTRA, under the direction of T. N. DEY.
- 9-15 p.m. Weather Forecast, General News Bulletin, Market Prices, Jute and Gunny Closing Rates. (In Bengali).  
SB
- 9-30 p.m. Pikler's Male Voice Choir.  
SB A Vocal and Instrumental Recital.
- 10-0 p.m. “Blood and Pastry.”  
SB A Burlesque by ANN STEPHENSON AND ALLAN MACBETH.  
Characters:—  
Nobby Clarke (A Faithless Lover) - - - Edward Grey.  
Mariana Soprano - - - Margaret Follett.
- “Switched.”  
A Sketch by L. DU GARDE PEACH.  
Characters:—  
Phyllis - - - Margaret Follett.  
Reggie Anstruther - - - Edward Grey.  
A Voice - - - John Rouse.  
(The Above Two Sketches are published by Messrs. SAMUEL FRENCH LTD., 26, Southampton Street, London.)
- 10-30 p.m. 2nd News in English.  
SB
- 10-45 p.m. Dance Music—(Recorded)  
SB from The Studio.
- 11-0 p.m. GOD SAVE THE KING-EMPEROR.  
Time Signal.  
Close Down.

# Delhi

VUD 340.136 metres. 882 Kc/s.

- 6-0 p.m. Time Signal.  
The I.B.S. Orchestra.  
(Under the direction of S. S. Niazi).
- 6-15 p.m. Light Music.  
By Mr. B. S. RAWAT of Simla.
- 6-45 p.m. Popular Songs. Miss DURGA BAI of Delhi.
- 7-30 p.m. Listener's Letter with some comments by A. M. ASHRAF.
- 7-45 p.m. The I.B.S. Orchestra.
- 7-55 p.m. More Song. Miss DURGA BAI.
- 8-20 p.m. More Songs. Mr. B. S. RAWAT.
- 8-45 p.m. Songs. Miss DURGA BAI.
- 9-15 p.m. News in Hindustani.
- 9-30 p.m. Time Signal.
- News in English.
- 9-45 p.m. A Soldier Church Builder—Col. James Skinner  
The Rev. C. J. G. Robinson.
- The Rev. C. J. G. Robinson is Chaplain of Delhi and in charge of St. James' Church. This church was built by Col. James Skinner, the founder of “Skinner's Horse”. It was consecrated in 1836 and so is celebrating its centenary this year.
- 10-0 p.m. A Studio Concert.  
By The Cosmo Trio.
- |                             |                       |             |
|-----------------------------|-----------------------|-------------|
| 1. MARCH                    | “National Emblem”     | Bagley.     |
| 2. MUSICAL COMEDY SELECTION | “Glamorous Night”     | Novello.    |
| 3. OVERTURE                 | “Romantique”          | Keler-Bela. |
| 4. SUITE                    | “Three Irish Scenes.” | Naylor.     |
| 5. VALSE INTER-MEZZO        | “Bal Masque”          | Fletcher.   |
| 6. OPERATIC SELECTION FROM  | “La Boheme”           | Puccini.    |
| 7. PIECE DE CON-CERT        | “Une affaire d'amour” | Clarke.     |
| 8. POTPOURRI                | “Viennese Memories”   | Lehar.      |
- 11-0 p.m. Close Down.

# German

## SOUTH ASIA.

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31-38 Metres.	6-30—8-15	11-00—12-45.
DJQ—19-63		
DJN—31-45		
DJB—19-74	9-45—13-15	14-15—17-45
DJN—31-45		
DJN—31-45	14-00—17-30	18-30—22-00
DJA—31-38 Metres.		
DJN—31-45	6-30—8-15	Musical Entertainment and News.
DJQ—19-63		

Berlin Time.

9-45 Call DJB DJN (German, English). German Folk Song. Programme Forecast (Germ., Engl.)

10-0 “Historic Ballads” in Song and Verse.

10-30 News in English.

10-45 “Close By and Opposite”. Little Happenings and Observations of Everyday.

11-45 News in German.

12-0 Concert of Light Music.

13-0 News in English.

13-15 Close DJB, DJN (Germ., Engl.)

## EAST ASIA.

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31-38 Metres	6-30—8-15	11-00—12-45
DJQ—19-63		
DJN—31-45		
DJA—31-38	14-00—17-30	18-30—22-00
DJN—31-45		
DJN—31-45	14-00—17-30	18-30—22-00
DJN—31-45		

- Berlin Time.
- 14-0 DJA, DJN Announcement (Germ., Engl.) German Folk Song. Programme Forecast (Germ., Engl.)
- 14-15 Music by the “Seven Musicians” from Cologne.
- 14-45 News in English on DJA and in Dutch on DJN.
- 15-0 “Close By and Opposite”. Little Happenings and Observations of Everyday.
- 16-0 Little Folkmusic.
- 16-15 News in German on DJA and DJN.
- 16-30 Today in Germany. Sound Pictures.
- 16-45 “Historic Ballads” in Song and Verse.
- 17-15 News in English on DJA and in Dutch on DJN.
- 17-30 Close DJA, DJN (Germ., Engl.)

## THE TIME MUDDLE.

For the present Delhi Station will observe the Delhi Time, which is half an hour ahead of Indian Standard Time. Calcutta Station is observing Calcutta Time which is 24 minutes ahead of Indian Standard Time and Bombay—bravo Bombay—observes Indian Standard Time. This is all very difficult for listeners who want to tune in to different Stations and it is manifestly absurd for an All India paper to adopt these municipal quirks.

## INDIAN STANDARD TIME FOR ALL STATIONS

We warn listeners that we intend for the future to adopt I.S.T. for all Stations shown in the *Indian Listener*. If there are those who object to this procedure, let them say so before it is too late.

# A Christmas

# Tale

50 less 20%

40%

Today

Once upon a time there was a man who approached a magician and asked him to cast a spell on the year that Britain would produce its first perfect wireless set.

The magician in turn said "1935 will be remembered for the first trouble-free receiver of British manufacture".



have manufactured a radio set that fully justifies the old Magician's Prophecy.

## Was it a Spell or . . . . . ?

ask us about the

# MARCONIPHONE

All British

## ALL-WAVE MODEL 299

A six-valve superhet covering all wavelengths from 16.5 to 560 and 700 to 2100 meters. In walnut cabinet with moving coil loud-speaker 95-260 volts 50-100 cycles; 3 watts output; Provision for gramophone pick-up.

The Radio Achievement of the Year!

# BOMBAY RADIO CO., LTD.

Bharat Bldgs., 1/18, Mount Road,  
MADRAS.

16, New Queen's Road,  
**BOMBAY, 4.**

7, Esplanade (East),  
CALCUTTA.

# Bombay

VUB 350.9 metres 855 Kc/s.

- 12-0 noon. Selection of Indian Music.
- 1-0 p.m. Available Market Rates.  
A Selection of Columbia Records.  
With LAYTON AND JOHNSON.
- 2-0 p.m. *Close Down.*
- 5-30 p.m. Relay of Music from Regal Cinema—  
The Theatre Magnificent.  
(By kind permission of the Management.)
- 6-30 p.m. Violin Solos.  
By K. GANAPATHI RAO.  
(South Indian Tunes.)
- 7-0 p.m. Commercial News.
- 7-15 p.m. East Indian Music.  
(A Selection of East Indian Music—Recorded.)
- 7-50 p.m. News in Hindi.
- 8-0 p.m. Light Classical Music.  
By GURURAO DESHPANDE.  
With Sarangi, Harmonium and Tabla.
- 9-30 p.m. News in English.
- 9-45 p.m. Weekly Sport.  
By A.G.A. NORMAN.
- 10-0 p.m. Seven Days of Sunshine.  
(A B.B.C. Recorded Programme.)
- 11-0 p.m. GOD SAVE THE KING-EMPEROR.

# Calcutta

VUC 370.4 metres 810 kc/s. 49.10 metres 6,109 kc/s.

- 1-0 p.m. *Time Signal.*  
SB The Grand Hotel Orchestra.  
Lunch Hour Selections.  
Relayed from the Grand Hotel, Calcutta.  
Calcutta Weather Bulletin for Océanraft and  
Rivercraft (if any).
- 2-0 p.m. Musical Selections (Recorded).
- 2-30 p.m. Panchali by GOUR MOHAN MUKHERJEE.
- 3-0 p.m. Kathakata by AMULYA K. BHATTACHARYA.
- 3-30 p.m. *Time Signal.*  
*Close Down.*
- 6-0 p.m. *Time Signal.*  
Recitations from the Holy Quran by HAFIZ  
MUTEHERUDDIN AHMAD.
- 6-30 p.m. A Mixed Programme under the Direction  
of Prof. GIRIJA SANKER CHAKRAVARTY.
- 8-15 p.m. Weather Forecast, 1st News Bulletin, Market  
SB Prices, Jute and Gunny Closing Rates  
(In English).
- 8-30 p.m. An Empire Programme from Daventry.  
SB
- 9-15 p.m. Weather Forecast, General News Bulletin, Market  
SB Prices, Jute and Gunny Closing Rates  
(In Bengali).
- 9-30 p.m. Vocal Music (Bengali).  
SB MISS KANKABATY.
- 9-50 p.m. MISS HARIMATY.
- 10-10 p.m. MISS ANGURBALA.
- 10-30 p.m. 2nd News Bulletin in English.
- 10-45 p.m. GOD SAVE THE KING-EMPEROR.

*Time Signal.*

*Close Down.*

# Delhi

VUD 340.136 metres. 882 Kc/s.

- 6-0 p.m. *Time Signal.*  
I. B. S. Orchestra.  
(Under the direction of S. S. NIAZI.)
- 6-15 p.m. Miss IQBAL PUTLI. *Classical Music.*
- 6-45 p.m. Sitar Solo. By Prof. HAIDER HUSAIN.
- 6-55 p.m. Light Songs. By SAJJAD SARWAR NIAZI, B.A.
- 7-30 p.m. "Hindu Buildings."  
By KHWAJA HASSAN NIZAMI.
- 7-45 p.m. Light Songs. Miss IQBAL PUTLI.
- 8-15 p.m. Dulcitone Solo. By S. S. NIAZI.
- 8-20 p.m. Light Music.  
SAJJAD SARWAR NIAZI.
- 8-45 p.m. I.B.S. Orchestra. A Selection.
- 8-55 p.m. Miss IQBAL PUTLI.
- 9-15 p.m. News in Hindustani.
- 9-30 p.m. *Time Signal.*  
News in English.
- 9-45 p.m. Forgotten Delhi.  
Dr. T. G. P. SPEAR, M.A., Ph.D.  
How many residents of Delhi have visited all the ancient  
buildings of the Seven Cities? Dr. Spear will speak this  
evening about some of the lesser known monuments of Delhi.
- 10-0 p.m. Dance Orchestra.  
H. M. 1st Btn. Royal Fusiliers.  
(By kind permission of Lt.-Col. H. H. Cripps  
D.S.O. and Officers.)  
Conductor.—H. E. HULL, M.M.  
Latest Dance Numbers.
- 11-0 p.m. *Close Down.*

# German

SOUTH ASIA.

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31-38 Metres.	6-30—8-15	11-00—12-45
DJQ—19-63 ..		
DJN—31-45 ..		
DJB—19-74 ..	9-45—13-15	14-15—17-45
DJN—31-45 ..		
DJN—31-45 ..		
DJA—31-38 Metres.	6-30—8-15	18-30—22-00
DJN—31-45 ..		
DJQ—19-63 ..		

Berlin Time.

- 9-45 Call DJB, DJN (German, English). German Folk  
Song. Programme Forecast (Germ., Engl.) Letter  
Box.
- 10-0 Hitler Youth Programme by the Junior Girls Sec-  
tion. On out-of-the-way Winter Rambles.
- 10-15 Short Programme of Popular Music.
- 10-30 News in English.
- 10-45 Light Musical Variety Programme.
- 11-45 News in German.
- 12-0 Concert of Light Music.
- 13-0 News in English.
- 13-15 Close DJB, DJN (Germ., Engl.)

# EAST ASIA.

Call Sign—Wavelength.	Time Schedule.	
	Berlin.	Bombay (I.S.T.)
DJA—31-38 Metres.	6-30—8-15	11-00—12-45
DJQ—19-63 ..		
DJA—31-33 ..		
DJN—31-45 ..	7-00—7-15	11-30—11-45
DJN—31-45 ..		
DJN—31-45 ..		
DJA—31-33 ..	8-00—8-15	12-30—12-45
DJN—31-45 ..		
DJN—31-45 ..		
DJA—31-33 ..	14-00—17-30	18-30—22-00
DJN—31-45 ..		
DJN—31-45 ..		
DJA—31-33 ..	6-30—8-15	11-00—12-45
DJN—31-45 ..		
DJN—31-45 ..		
DJA—31-33 ..	14-00—17-30	18-30—22-00
DJN—31-45 ..		
DJN—31-45 ..		

Berlin Time.

- 14-0 DJA, DJN Announcement (Germ., Engl.) German  
Folk Song. Programme Forecast (Germ., Engl.)  
Letter Box.

Berlin Time.

- 14-15 Songs by Hugo Wolf. Burchard Kaiser.
- 14-30 "Young Danzing." A Reading from the Book of  
that name.
- 14-45 News in English on DJA and in Dutch on DJN.
- 15-0 "The Taming of the Shrew." A Radio Setting of the  
Opera by Goetz. Conductor: Fritz Wickle.
- 16-15 News in German on DJA and DJN.
- 16-30 Today in Germany. Sound Pictures.
- 16-45 "To the Romantic Tones of a Guitar". Erich  
Monckemeyer, Flute; Emil Seiler, Viola; Hans Nee-  
mann, Guitar.
- 17-15 News in English on DJA and in Dutch on DJN.
- 17-30 Close DJA, DJN (Germ., Engl.)

## INDEX TO ADVERTISERS

	Pages.
Automobile Co., Ltd.	7, 8
A. M. Talati & Co.	4
Bombay Radio Co., Ltd.	2, 3, 23, 47, 53, 57, 59
Bombay Technical Institute	41
Callender's Cable & Construction Co., Ltd.	48
Chicago Radio	1, 38, 52, 54, 62, 63, 64, 65
Eastern Watch	34, 55
Electric Speciality Co.	5
Eureka Radio Service	50
Ever Ready Co. (India) Ltd.	34
Favre Leuba & Co., Ltd.	5
His Master's Voice	62
"Illustrated Weekly of India"	32
Indian States & Eastern Agency	45
International Trading Corporation	55
International Radio Co.	Back cover
Jhaveri Bros., & Co.	4
Laxmidas & Dwarkadas	44
Miscellaneous Advertisements	60
Minerva Trading Agency	22
Philips Electrical Co. (India) Ltd.	28
Paramount Publicity Co.	25
Pestonjee P. Pocha & Sons	27
Phillips & Co.	55
Pramashaw Motor Co.	4, 44
Precious Electric Co.	36
RCI Radio Service	52, 56, 63, 65
Radio Electric	7, 41
Radio Supply Stores, Ltd.	7
Ruby Record Company	42
Sharp Radio	4
Telephone Service	39
United Engineering Corporation	Inside front cover
V. H. S. Sodhi	5
Warden Insurance Co., Ltd.	6

## MISCELLANEOUS ADVERTISEMENTS NOTICE

The charge for advertisement in these columns for one insertion is Rs. 2 for 20 words or less which includes the words "Apply Box No. ....; The Indian Listener, Ballard Estate, Bombay" counting as two words; Charge for every additional word is annas two. Payment should be made in advance.

**RADIO OWNERS:**—Drop us a card for your own advantage and good.  
Post Box No. 3597, Bombay.

**WANTED:**—An expert in the preparation of Ice Cream packets of the quality and taste of those manufactured in England and known as 'Wall's Ice Cream packets'. Apply with testimonials and pay expected to the GARRISON ICE FACTORY, Nasirabad (Rajputana).

# Phohi-Programmes

(Phohi Station, Call Sign PHI, built and operated by Philips' Radio, Eindhoven Holland.)

Wavelength 25.57M. 11730 Kc/s.

(The specification of hours as given below is expressed in Greenwich Mean Time.)

## WEDNESDAY, DECEMBER 25th, 1935.

G.M.T.

- 13-00 Dutch National Anthem and opening announcement.
- 13-05 Christmas bells.
- 13-10 Station orchestra.
- 13-30 "Latest News from Holland".
- 13-45 Station orchestra.
- 14-10 Music.
- 14-20 Fragments from "Christmas Carol"—Charles Dickens.
- 15-20 Christmas bells.
- 15-30 Closing down—Dutch National Anthem.

## THURSDAY, DECEMBER 26th, 1935.

- 13-00 Dutch National Anthem and opening announcement.
- 13-05 Carillon.
- 13-15 Lyra Trio.
- 13-30 "Latest News from Holland".
- 13-40 Music.
- 13-45 Declamation by Paul Huf.
- 14-00 Music.
- 14-10 Talk by Old colonial.
- 14-20 Music.
- 14-25 Talk.
- 14-35 Music.
- 14-40 Declamation by Paul Huf.
- 14-45 Lyra Trio.
- 15-15 Music.
- 15-20 Carillon.
- 15-30 Closing down—Dutch National Anthem.

## FRIDAY, DECEMBER 27th, 1935.

- 13-00 Dutch National Anthem and opening announcement.
- 13-10 Music.
- 13-30 "Latest News from Holland".
- 13-45 Music.
- 13-55 Haydn quartet.
- 14-15 Music.
- 14-25 Haydn quartet.
- 14-45 Talk on behalf of the Dutch Y. M. C. A. by Joh. v. Hulzen.
- 15-00 Closing down—Dutch National Anthem.

## SATURDAY, DECEMBER 28th, 1935.

- 13-00 Dutch National Anthem and opening announcement.
- 13-05 Violin recital by Layos Szikra.
- 13-30 "Latest News from Holland".
- 13-45 The Troubadours.
- 14-10 Newstalk by Mr. L. Aletrino.
- 14-30 The Troubadours.
- 14-50 Microphone debutants.
- 15-00 The Troubadours. Rendez-vous bei Lehar.
- 15-15 Talk.
- 15-35 The Troubadours. Dance Music.
- 16-00 Closing down—Dutch National Anthem.

## SUNDAY, DECEMBER 29th, 1935.

- 13-00 Dutch National Anthem and opening announcement.
- 13-10 Music.
- 13-30 "Latest News from Holland".
- 13-45 Music.
- 13-50 Talk on behalf of the Dutch Y. M. C. A. by Mr. A. C. Kuypers.
- 14-10 Music.
- 14-15 "From Mail to Mail in Holland".
- 14-35 Music.

G.M.T.

- 14-40 Broadcast by the R. Cath. Broadcasting Association.
- 15-40 Talk on Eastern Religions by Dr. E. Einaar.
- 15-55 Dance music.
- 16-00 Closing down—Dutch National Anthem.

## MONDAY, DECEMBER 30th, 1935.

- 13-00 Dutch National Anthem and opening Announcement.
- 13-05 Music.
- 13-10 Concert by Miss Stella Elte—Miss Holland 1935—and the famous whistler Baron De Vos van Steenwijk.
- 13-30 "Latest News from Holland".
- 13-45 Music.
- 13-50 Talk on sports by Mr. H. Hollander.
- 14-05 Music.
- 14-10 "Meeting of the Phohi Club".
- 14-30 Music.
- 14-35 Second part of the concert, by Miss Stella Elte and Baron de Vos van Steenwijk.
- 14-50 Dance music.
- 15-00 Closing down—Dutch National Anthem.

## TUESDAY, DECEMBER 31st, 1935.

- 13-00 Dutch National anthem and opening announcement.
- 13-05 New Year's Eve Program. Optimistic revue in 1 prologue and 3 acts.
- 13-30 "Latest News from Holland".
- 13-45 Continuation New Year's Eve Program.
- 14-30 Talk by His Excellency Mr. Dr. Slotemaker de Bruine. Music.
- 14-50 Continuation New Year's Eve Program.
- 15-55 Dance music from the Carlton Hotel at Amsterdam.
- 16-25 Last act of the New Year's Eve Program. New Year's congratulation by the Direction of the Phohi.
- 17-10 Closing down—Dutch National Anthem.

## WEDNESDAY, JANUARY 1st, 1936.

- 13-00 Dutch National Anthem and opening announcement.
- 13-05 Carillon concert by Mr. J. Vincent.
- 13-15 Concert by Nico van der Linden's Children Choir.
- 13-25 Music.
- 13-30 "Latest News from Holland".
- 13-45 Music.
- 13-50 Second part of the program by the children choir.
- 14-00 Music.
- 14-10 Talk by Mr. K. D. Koning.
- 14-25 Music.
- 14-30 Children choir.
- 14-40 Dance music.
- 14-50 Carillon concert.
- 15-00 Closing down—Dutch National Anthem.

## THURSDAY, JANUARY 2nd, 1936.

- 13-00 Dutch National Anthem and opening announcement.
- 13-10 Opera music.
- 13-30 "Latest News from Holland".
- 13-45 Music.
- 13-55 Talk on aviation by Mr. John S. Zodij.
- 14-10 Music.
- 14-25 "Criss-cross through the Netherlands".
- 14-35 Music.
- 14-45 Dance music.
- 15-00 Closing down—Dutch National Anthem.

## FRIDAY, JANUARY 3rd, 1936.

- 13-00 Dutch National Anthem and opening announcement.
- 13-10 Classical music.
- 13-30 "Latest News from Holland".
- 13-45 Music.
- 13-50 Piano recital by Bram Maas.
- 14-05 Talk by Mr. M. J. Brusse.
- 14-25 Second part of the piano recital.

G.M.T.

- 14-50 Dance music.
- 15-00 Closing down—Dutch National Anthem.

## SATURDAY, JANUARY 4th, 1936.

- 13-00 Dutch National Anthem and opening announcement.
- 13-10 Music.
- 13-30 "Latest News from Holland".
- 13-45 Music.
- 13-55 Microphone debutants.
- 14-05 Dance music by the Secco's Gitanos.
- 14-25 Newstalk by Mr. L. Aletrino.
- 14-40 Music.
- 14-50 Dance music by the Secco's Gitanos.
- 16-00 Closing down—Dutch National Anthem.

## SUNDAY, JANUARY 5th, 1936.

- 13-00 Dutch National Anthem and opening announcement.
- 13-05 Music.
- 13-10 From mail to mail in Holland.
- 13-25 Music.
- 13-30 "Latest news from Holland."
- 13-40 Broadcast by the R. Cath. Broadcasting Association.
- 14-40 Music.
- 14-50 Talk on behalf of the Dutch Y.M.C.A.
- 15-00 Dance music.
- 15-30 Closing down—Dutch National Anthem.

## MONDAY, JANUARY 6th, 1936.

- 13-00 Dutch National Anthem and opening announcement.
- 13-10 Music.
- 13-15 Piano recital by Jan van den Berg.
- 13-30 "Latest News from Holland."
- 13-45 Music.
- 13-50 Talk on sports.
- 14-05 Music.
- 14-10 Meeting of the Phohi club.
- 14-30 Second part of the piano recital.
- 14-45 Dance music.
- 15-00 Closing down—Dutch National Anthem.

## THURSDAY, JANUARY 9th, 1936.

- 13-00 Dutch National Anthem and opening announcement.
- 13-10 Music.
- 13-30 "Latest News from Holland."
- 13-45 Music.
- 13-55 Accordion music by Engel Paap.
- 14-10 Criss—cross through the Netherlands.
- 14-20 Music.
- 14-30 Accordion music by Engel Paap.
- 14-45 Dance music.
- 15-00 Closing down—Dutch National Anthem.

## FRIDAY, JANUARY 10th, 1936.

- 13-00 Dutch National Anthem and opening announcement.
- 13-10 Music.
- 13-30 "Latest News from Holland."
- 13-45 Music.
- 13-55 Talk by Mr. Broekhof, commissioner of police.
- 14-10 Music.
- 14-20 Breton songs.
- 14-50 Dance music.
- 15-00 Closing down—Dutch National Anthem.

## SATURDAY, JANUARY 11th, 1936.

- 13-00 Dutch National Anthem and opening announcement.
- 13-10 Music.
- 13-15 Microphone debutants.
- 13-25 Music.
- 13-30 "Latest News from Holland."
- 13-45 Music.
- 13-50 Newstalk by Mr. L. Aletrino.
- 14-05 Music.

Phohi Programme—contd.

G.M.T.

- 14-15 Talk on moving pictures.
- 14-35 Music.
- 14-40 Broadcast by the R. Cath. Broadcasting Association.
- 15-40 Dance music.
- 16-00 Closing down—Dutch National Anthem.

SUNDAY, JANUARY 12th, 1936.

- 13-00 Dutch National Anthem and opening announcement.
- Further items of the program are :  
Broadcast of the international football game France—Holland ; From mail to mail in Holland ; Latest news from Holland ; Dance music.

MONDAY, JANUARY 13th, 1936.

- 13-00 Dutch National Anthem and opening announcement.
- 13-10 Music.
- 13-15 Violoncello recital by Eduard Biele.
- 13-30 "Latest News from Holland."
- 13-45 Music.
- 13-50 Talk on sports.
- 14-05 Music.
- 14-10 Meeting of the Phohi club.
- 14-30 Second part of the violoncello recital.
- 14-45 Dance music.
- 15-00 Closing down—Dutch National Anthem.

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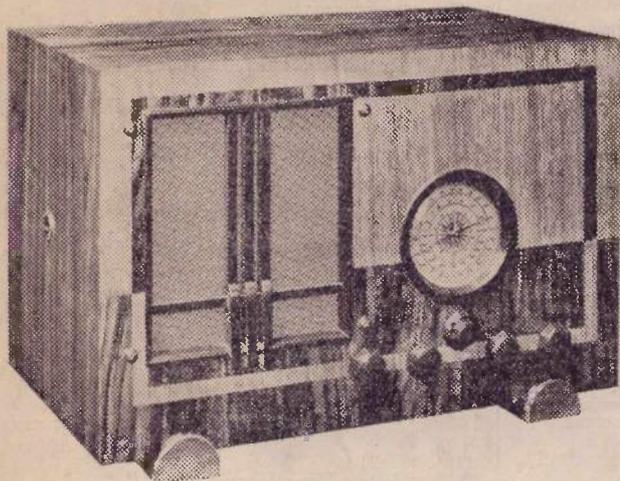
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# B. B. C. PROGRAMME, SUNDAY, 29th DECEMBER 1935.

## TRANSMISSION 1.

GSF 15,140 kc/s (19.82 m.), GSB 9,510 kc/s (31.55 m.).

8-30 a.m. **Big Ben. Chamber Music. The Stratton String Quartet.**

George Stratton (Violin), Carl Taylor (Violin), Watson Forbes (Viola), and John Moore (Violoncello). String Quartet in B flat, Op. 18, No. 6: (1) Allegro con brio (2) Adagio ma non troppo (3) Scherzo, Allegro (4) La Malinconia, Adagio leading to Allegretto quasi Allegro (Beethoven). Oracion del Torero (The Bull-fighter's Prayer) (Turina). Cherry Ripe (Frank-Bridge). Kentucky (Moore).

9-15 a.m. "High Spots"—No. 10: **The Orpheus Restaurant, Belfast.**

A descriptive commentary by W. A. B. Iff, from the roof of the Orpheus Restaurant, York Street, Belfast.

Greenwich Time Signal at 9-30 a.m.

9-30 a.m. **A Religious Service, relayed from St. Ann's Church, Manchester.**

Order of Service: Hymn, While Shepherds Watched (A. and M., 62; S.P., 82); General Confession; Shortened form of Absolution; Christmas Canticle, the Benedictus; Lesson, St. Matthew, 2, vv. 1-12; Versicles and Collects; Hymn, Hark, the Herald Angles Sing (A. and M., 60; S.P., 74); Address by the Rev. Canon F. Paton-Williams; Hymn, O Come, All ye Faithful (A. and M., 59; S.P. 78); Blessing.

10-15 a.m. **Weekly Newsletter and Sports Summary.**

10-35 a.m. *Close down.*

## TRANSMISSION 2.

GSG 17,790 kc/s (16.86 m.), GSG 15,140 kc/s (19.82 m.).

12-0 p.m. **Big Ben. Weekly Newsletter and Sports Summary.**

12-20 p.m. **A Recital by Bratza (Violin).†**

Accompanied by Serge Krish: Rondino (Beethoven-Kreisler). Menuet (Mozart-Burmester) With Pianoforte: Serenade basque (Dunhill).

12-30 p.m. **St. Stephen's Silver Band; conductor, W. Lowes.**

March, Colonel Bogey (Alford). Suite, Moorside: (1) Scherzo (2) Nocturne (3) March (Holst). Trombone Solo, Acrobat (J. H. Greenwood). Selection, The Belle of New York (Kerker, arr. G. Godfrey, Junr.). Selection, Minstrel Melodies (arr. Rimmer). A Sunday Parade (Hawkins). March, El Abanico (Tavaloyes).

Greenwich Time Signal at 1-0 p.m.

1-30 p.m. **Pianoforte Music by Grieg.†**

Arthur de Greef (Pianoforte): Wedding Day. Ariette. To the Spring. Feuille d'album (Album Leaf). Papillon (Butterfly).

1-45 p.m. *Close down.*

## TRANSMISSION 3.

Two of the following frequencies will be used:  
GSG 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.),  
GSE 11,860 kc/s (25.29 m.), or GSB 9,510 kc/s (31.55 m.).

2-0 p.m. **Big Ben. A Programme of Ballet Music. The B.B.C. Empire Orchestra; leader, Daniel Melsa; conducted by Clifton Helliwell.**

Ballet Music, Henry VIII: (1) Introduction and Entry of the Clans (2) Scottish Idyll (3) Gipsy Dance (4) Gigue and Finale (Saint-Saens, arr. Mouton). Ballet Music, Kassya (1) Obertas (2) Danse Ruthene (3) Sumka (4) Trepak (Delibes). Ballet Suite: (1) Festivo (2) Cantilena (3) Scherzo (Gyldmark).

2-45 p.m. **Sports Talk. \***

3-0 p.m. **A Recital of New Gramophone Records.**

3-30 p.m. **The B.B.C. Northern Ireland Orchestra; leader, Philip Whiteway; conducted by Peter Montgomery. Anne Montgomery (Soprano).**

Orchestra: March (Prince Igor) (Borodin). Children's Overture (Quilter). Nocturne (A Midsummer Night's Dream); Scherzo in G minor (Mendelssohn). Anne Montgomery: The City Child (Stanford). Brittany (Farrar). You Spotted Snakes (Armstrong Gibbs). Riddle Song (arr. Cecil Sharpe). The Cuckoo (arr. Cecil Sharpe and Baring Gould). Orchestra: Tarantella (Leoncavallo).

4-10 p.m. **Weekly Newsletter and Sports Summary.**

Greenwich Time Signal at 4-30 p.m.

4-30 p.m. **A Children's Service, relayed from Barking-side Girls' Home Children's Church.**

(Dr. Barnado's Homes).

5-0 p.m. *Close down.*

## TRANSMISSION 4.

Part I. Two or three of the following frequencies will be used:

GSI 15,260 kc/s (19.66 m.), GSD 11,750 kc/s (25.53 m.),  
GSB 9,510 kc/s (31.55 m.), GSL 6,110 kc/s (49.10 m.).

Part II. Two of the following frequencies will be used:

GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
GSA 6,050 kc/s (49.59 m.).

### PART I.

5-15 p.m.—**Big Ben. The B. B. C. Military Band; conductor, B. Walton O'Donnell. Evelyn Scotney (Australian Soprano).**

Band: Choral Prelude, Ein' feste Burg (Bach, arr. Reginald Hunt). Overture, Les Dragons de Villars (Maillart). Aria with Band: Caro nome (Rigoletto) (Soprano Solo, Evelyn Scotney) (Verdi). Band: Norwegian Rhapsody (Halvorsen, arr. Gerrard Williams). Evelyn Scotney with Pianoforte: Soft-footed Snow (Sigurd Lie) Song of the Open (La Forge). Long, Long Ago (Bayley). Band: Two Slavonic Dances (Nos. 1 and 2) (Dvorak).

6-0 p.m. **Weekly Newsletter and Sports Summary.**

6-20 p.m. **Troise and his Mandoliers with Don Carlos (Tenor).**

Waltz, Destiny (Baynes). Patrol (Marucelli, arr. Troise).

6-30 p.m.—**The B. B. C. Theatre Orchestra; leader, Montague Brearley; conductor, Stanford Robinson.**

Greenwich Time Signal at 7-0 p.m.

7-5 p.m. **A Recital by John Coates (Tenor) and Eda Kersey (Violin).**

Eda Kersey: Intrada (Desplanes-Nachez), Suite in A: Preludio. Capriccio. Corrente. Adagio. Giga (Vivaldi-Busch). John Coates: Cristemas (Gerrard Williams).

Pavane (1579) (Old French), Pretty Phyllis (Old French, arr. Owen Mase), Entendez-vous le grillon du verre (Old French), Maulte's Come Down (H. S. Ryan), Eda Kersey: Scene de danse; Danse caracteristique (Gibbins), En el Jardin de Lindaraja (Nin), John Coates: Welcome Yule (1609) (arr. E. Duncan), When Iceland Hangs (Wall (1740) (Arne). The Knight of Endelheim (Edmund Thomson), New Year's Wassailing Song (A. H. H. H.).

7-55 p.m. **A Religious Service, relayed from Lambeth Palace, London.**

Address by his Grace the Lord Archbishop of Canterbury.

8-45 p.m. *Close down.*

### PART II.

9-0 p.m. **Talk: "Revisited."**

9-20 p.m. **Leslie Jeffries and the Grand Hotel, Eastbourne, Orchestra. Relayed from the Grand Hotel, Eastbourne.**

Greenwich Time Signal at 10-0 p.m.

10-0 p.m. **Weekly Newsletter (Second Reading) and Sports Summary.**

10-20 p.m. **The New Georgian Trio.**

Romance (Toy Cart) (Reynolds). Tityre (Joueurs de flûte) (Roussel). Sicilienne (Faure). Der Hampelmann (The Jumping Jack) (Sabathil). Aubade a Mimi (Scassola). Intermezzo (Schott). Waltz (Suite for Flute) (Gedard).

10-45 p.m. *Close down.*

## TRANSMISSION 5.

Two of the following frequencies will be used:

GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.),  
GSL 6,110 kc/s (49.10 m.), GSA 6,050 kc/s (49.59 m.).

11-0 p.m. **Big Ben. A Recital by Daisy Kennedy (Australian Violinist).**

Sonata in E flat: (1) Adagio (2) Allegro non troppo (3) Larghetto (4) Allegro (Anon., 18th Century). Capriccio (Haydn, arr. Burmester). La Cenerentola (arr. Corti). Scottish Lament (arr. Ella Ivimey). Finish Idyll (Kosloff). Hungarian Fantasy (Hübner).

11-30 p.m. **A Religious Service,\* relayed from Lambeth Palace, London.**

Address by his Grace the Lord Archbishop of Canterbury.

Greenwich Time Signal at 12-0 midnight.

12-20 a.m. **A Recital of Old English Songs by Roy Henderson (Baritone).**

Song of Momus to Mars (Dr. Boyce). Was ever Nymph like Rosamond? (Dr. Arne). Call Piss from the Land that is Merry (Michael Arne). After water (original by) (arr. Roy Henderson). The Pretty Creature (Storace, arr. Lane Wilson). Simon the Cellarer (Henson).

12-45 a.m. **Weekly Newsletter and Sports Summary.**

1-5 a.m. *Close down.*

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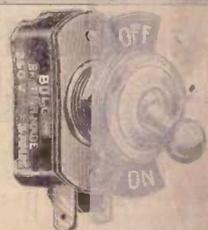
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# B. B. C. PROGRAMME, MONDAY, 30th DECEMBER 1935.

## TRANSMISSION 1.

GSG 15,140 kc/s (19.82 m.), GSB 9,150 kc/s (31.55 m.).

**8-30 a.m. Big Ben. The B.B.C. Empire Orchestra; leader, Daniel Melsa; conducted by Clifton Helliwell.**

Overture, Tally Ho (Ansell). Waltz, Donauweller (Waves of the Danube) (Ivanovici). March, Rose of the North (Armandola). Gipsy Suite: (1) Lonely Life (2) The Dance (3) Love Duet (4) The Revel (Edward German). Two Baguettes for Strings: (1) Valsette (2) Pizzicato (Fletcher). The Canaries' Courtship (Kohler). Selection, The Lilac Domino (Cuvillier).

Greenwich Time Signal at 9-30 a.m.

**9-30 a.m. Sports Talk.\***

**9-45 a.m. Sidney Torch, at the Organ of the Regal, Edmonton.**

Overture, The Merry Wives of Windsor (Nicolai). Black Coffee (Hoffman). Serenade (Pierne). Buffoon (Confrey). Accent on Youth (Vee Lawnhurst). Somewhere a Voice is Calling (Tate). White Jazz (Gifford).

**10-15 a.m. The News.**

**10-35 a.m. Close down.**

## TRANSMISSION 2.

GSG 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.).

**11-0 a.m. Big Ben. Grand Christmas Pantomime!\***

The story of "Sindbad the Sailor, or a Life on the Ether Wave." Book and lyrics by Alec McGill. Music by Jack Clarke. The cast supported by the B.B.C. Empire Orchestra; leader, Daniel Melsa; and the B.B.C. Revue Chorus, under the direction of Eric Fogg. The pantomime produced by William MacLurg.

Greenwich Time Signal at 12-0 noon.

**12-0 p.m. Haydon Heard and his Band, relayed from the West End Cinema, Birmingham.**

Melody in F (Ruvinstein). Aubade a la fiancee (Volpatti). Red Sails in the Sunset (Williams). Selection, Around the Volga (arr. Borchert). Suite, Rustic Revels (Fletcher).

**12-30 p.m. "An Exile's Notebook." A talk by Tony Melrose.**

**12-45 p.m. Dance Music.†**

**1-0 p.m. The News.**

**1-20 p.m. Music by Mozart.†**

The London Symphony Orchestra, conducted by Alber Coates: Ballet Music, Les Petits Reins: Overture; Gavotte Pantomime; Gavotte. Felicie Huni-Mihacek (Soprano). O verzeih' Geliebter (Cosi Fan Tutto) (Pardon Beloved) The Berlin State Opera Orchestra, conducted by Dr. Leo Blech: Overture, The Magic Flute.

**1-45 p.m. Close down.**

## TRANSMISSION 3.

Two of the following frequencies will be used:

GSG 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.), GSE 11,860 kc/s (25.29 m.), or GSB 9,150 kc/s (31.55 m.).

**2-0 p.m. Big Ben. Arthur Salisbury and his Orchestra, relayed from the Savoy Hotel, London.**

Bacchanale Waltz (Zulneta). Minuet vif (Canne). Fairy Song (Boughton). Moment musical (Schubert). Flowers for Madam (Newman). Selection, The Merry Widow (Lehar). Russian Cradle Song (Krein). Serenade estagnole (Glazunov). In the Dark (Bergman).

**2-45 p.m. The Ghost of Lady Lucy.**

A short story by Mainwaring Evans.

**3-0 p.m. Harry Engleman's Quintet with Mary Pollock (Soprano) and Leslie Lewis (Zylophone).**

Selection, The Desert Song (Romberg). The Wind and the Rain (Posford). The Play of the Butterflies (arr. Heykens). The Jazz Fountain (Abbey). The Frolicsome

Hare (Ashworth Hope). Leave Love Alone (John Morley). Tango, Julian (Donato). Twelfth Street Rag (Bowman). The Dancing Clock (Ewing). Once in a While (Michael North). Waltz, Wine, Woman, and Song (Strauss). Cannon off the Cosh (Solo Pianoforte, Harry Engleman) (Harry Engleman). The World is Mine (Posford). Selection, Veronique (Messager).

**4-0 p.m. Sonata Recital. Joseph Shadwick (Violin) and Wilfrid Parry (Pianoforte).**

Sonata in D, Op. 12, No. 1: Allegro con brio; Andante con moto—Thema con variazioni; Rondo: Allegro (Beethoven). Sonata: Allegro vivo; Fantasque et leger; Tres Anime (Debussy).

Greenwich Time Signal at 4-30 p.m.

**4-30 p.m. The News.**

**4-50 p.m. Orchestral Recital.†**

**5-0 p.m. Close down.**

## TRANSMISSION 4.

Part I. Two or three of the following frequencies will be used:

GSI 15,260 kc/s (19.66 m.), GSD 11,750 kc/s (25.53 m.), GSB 9,510 kc/s (31.55 m.), GSL 6,110 kc/s (49.10 m.).

Part II. Two of the following frequencies will be used:

GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.), GSA 6,050 kc/s (49.59 m.).

### PART I.

**5-15 p.m. Big Ben. The B.B.C. Dance Orchestra, directed by Henry Hall.**

**6-0 p.m. The News.**

**6-15 p.m. English Folk Songs.†**

Clive Carey (Baritone) (unaccompanied): I will Give my Love an Apple (arr. Vaughan Williams). Clive Carey (Baritone) with Pianoforte: Oh Sally my Heart (arr. Sharp). My Billy Boy (arr. Vaughan Williams). The Lover's Task: I'm Seventeen Come Sunday; Green Broom; Little Turtle Dove; Bingo (arr. Sharp).

**6-30 p.m. Reginald Dixon, at the Organ of the Tower Ballroom, Blackpool.**

Selection of Everybody's Songs (arr. Geehl). Check to Check (Berlin).

**6-45 p.m. "High Spots"—No. 10: The Orpheus Restaurant, Belfast.\***

A descriptive commentary by W. A. B. Liff from the roof of the Orpheus Restaurant, York Street, Belfast.

Greenwich Time Signal at 7-0 p.m.

**7-0 p.m. Excerpt from the Alhambra Christmas Pantomime.**

Relayed from the Alhambra Theatre, Glasgow, with interludes of dance music by Jack Ansell and his Playhouse Band, under the direction of Louis Freeman, relayed from the Playhouse Ballroom, Glasgow.

**8-0 p.m. Opening Night. Promenade Concerts. Winter Season 1935-36. Relayed from the Queen's Hall, London, W. (Sole Lessees, Messrs. Chappell and Co., Ltd.) Solo Pianoforte, Solomon. The B.B.C. Symphony Orchestra (Principal Violin, Marie Wilson), conducted by Sir Henry J. Wood.**

Part I. Overture, Le carnaval romain (Berlioz). (a) Andante for Strings, from Cassation No. 1 in G (Mozart). (b) Prelude (After the Partita in E, for Solo Violin, arranged for Full Orchestra) (Bach). Pianoforte Concerto No. 2 in C minor: (1) Moderato—Allegro—Maestoso (Allamarcia) (2) Adagio sostenuto (3) Allegro scherzando (Solo Pianoforte, Solomon) (Rachmaninov).

**9-0 p.m. Close down.**

## PART II.

**9-15 p.m. "Christmas Cabaret."\*\***

Asleep, sophisticated, surprise show, with Queenie Leonard and Edward Cooper; Viola Lyle; Jack Clewes; a sketch; Jack Mitchell's Apache Band. Produced by Cecil Madden.

Greenwich Time Signal at 10-0 p.m.

**10-0 p.m. The News.**

**10-15 p.m. The Leslie Bridgewater Quintet. Geoffrey Dunn (Tenor) and Diana Poulton (Lute).**

Quintet: Ayres for the Theatre (Purcell, arr. Bridgewater), Chanson Louis XIII and Pavane (Couperin, arr. Kreisler), Songs with Lute: Down in a Valley (Michael Cavendish), Amarilli mia bella (Amaryllis, my Fair) (Giulio Caccini), Aux plaisirs, aux delices bergeres (To Pleasures and Delights, Shepherdesses) (Pierre Guedron). Quintet: Suite of Old English Music (Peerson, arr. Bantock).

**10-45 p.m. Close down.**

## TRANSMISSION 5.

Two of the following frequencies will be used:

GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.), GSL 6,110 kc/s (49.10 m.), GSA 6,050 kc/s (49.59 m.).

**11-0 p.m. Big Ben. Fred Hartley and his Novelty Quintet with Brian Lawrence.**

Russian Fantasy (Fred Hartley). I Lovethe Moon (Rubens) Dainty Lady (Kenneth Wright). Phil the Fluter's Ball (Percy French). Mary o' Argyll; Country Dance Medley (Traditional). Marta (Simons). Three o'Clock in the Morning (Robledo). The Shepherd Boy's Song (Harry Pepper). O, Star of Eve (Wagner). Souvenirs of Song, No. 10. (All arrangements by Fred Hartley.)

**11-45 p.m. "Education by Correspondence in Australia." A talk by Linda Littlejohn.**

Greenwich Time Signal at 12-0 midnight.

**12-0 a.m. Dance Music. The Casani Club Orchestra, directed by Charles Kunz, Relayed from Casani's Club, London.**

**12-30 a.m. A Recital of Popular Ballads by Wilfred Miles (Tenor).**

The English Rose (Edward German). I'll Sing thee Songs of Araby (Frederick Clay). To Mary (Maude Valerie White). I Hear a Thrush at Eve (Cadman). Ah, Moon of my Delight (Liza Lehmann).

**12-45 a.m. The News.**

**1-0 a.m. Close down.**

## TRANSMISSION 6.

Two of the following frequencies will be used:

GSD 11,750 kc/s (25.53 m.), GSC 9,580 kc/s (31.32 m.), GSL 6,110 kc/s (49.10 m.).

Dates and times of Transmission 6 programmes are shown in G.M.T., but the programmes will, of course, be receivable in the North American Continent and in the West Indies on the evening before the date scheduled.

**3-0 a.m. Big Ben. Reading from Dickens by V. C. Clinton-Baddeley.**

**3-15 a.m. The New Georgian Trio.\***

Bacchanale: Andante (Hilse). Hornpipe (Rowley). On Wings of Song (Mendelssohn, arr. Bridgewater). Poemas de Cuyo (Campmany). The Daisy Glade (Frank Boyce). Loin du bal (Far from the Ball) (Gillet). Tarantelle (Jensen).

Greenwich Time Signal at 3-30 a.m.

**3-45 a.m. Weekly Newsletter and Sports Summary.**

**4-5 a.m. Close down.**

\* Electrical recording. † Gramophone records.

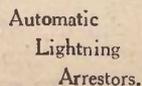
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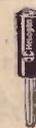
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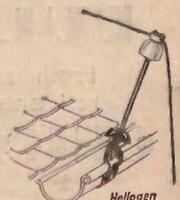
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# B. B. C. PROGRAMME, TUESDAY, 31st DECEMBER 1935.

## TRANSMISSION 1.

- GSF 15,140 kc/s (19.82 m.), GSB 9,510 kc/s (31.55 m.).
- 8-30 a.m. **Big Ben. The B.B.C. Dance Orchestra,\*** directed by Henry Hall.
- 9-0 a.m. **"Wanted for Murder."**  
A short story by Graham Sutton. Read by the Author.
- 9-15 a.m. **Interlude.**
- 9-20 a.m. **Massed Brass Bands.†**  
Conducted by James Oliver: March, El Abanico (Javaloyes, arr. Hume). Selection, Other Days: Intro., I Fear no Foe; La Gitana; For you Alone; Happy Darkies; Barcarolle (Tales of Hoffman); Keys of Heaven; Twankydlilo; Myosotis Waltz; Les manteaux noirs (Fink, Mackenzie). Nautical Moments: Intro., A Life on the Ocean Wave; Rocked in the Cradle of the Deep; The Tight Little Island; Bay of Biscay; Rule, Britannia. (arr. Winter and Duthoit).  
*Greenwich Time Signal at 9-30 a.m.*
- 9-35 a.m. **Scots Variety.**  
Wullie Lindsay, comedian; Mackenzie Reid, with his accordion; Ian Smith, tenor; and "The Haggis Factory"—an impossibility by J. Bennett Morrison, with J. K. Urquhart, Ian Sadler, and Elsie Brochie. Barbara Laing at the Pianoforte.
- 10-15 a.m. **The News.**
- 10-30 a.m. *Close down.*

## TRANSMISSION 2.

- GSC 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.).
- 11-0 a.m. **Big Ben. Sidney Torch, at the Organ of the Regal, Edmonton.**
- 11-30 a.m. **"High Spots"—No. 11: Grosvenor House, London.**  
A descriptive commentary from the roof of Grosvenor House, giving a view over Park Lane, Hyde Park, and Mayfair.
- 11-45 a.m. **Instrumental and Vocal Solos by International Celebrities.†**  
*Greenwich Time Signal at 12-0 noon.*
- 12-30 p.m. **The Leicester Opera House Orchestra, conducted by Gordon Stewart. Relayed from the Opera House, Leicester.**  
March, We're Going Home (1066 and All That)(Reynolds). Waltz Medley, Naughty Marietta (Herbert). The Dance of the Fauns (Pierne). Intermezzo (Siede). Two Edward Elgar Songs: (1) Queen Mary's Song (2) Like to the Damask Rose (arr. Haydn Wood). Selection, Music in the Air (Kern).
- 1-0 p.m. **The News.**
- 1-15 p.m. **An Organ Recital by Herbert Ellingford, relayed from the Town Hall, Manchester.**  
Introduction and Fugue in E flat (Russell, arr. Ellingford). Capriccio (L. Butler). Pastorale, Op. 45, No. 2 (O'Connor-Morris). Chorale-Improvisation on In Dulci Jubilo, Op. 75, No. 2 (Karg-Elert).
- 1-45 p.m. *Close down.*

## TRANSMISSION 3.

- Two of the following frequencies will be used:  
GSC 17,790 kc/s (16.86 m.), GSF 15,140 kc/s (19.82 m.), GSE 11,860 kc/s (25.29 m.), or GSB 9,510 kc/s (31.55 m.).
- 2-0 p.m. **Big Ben. Variety.†**  
The Variety Singers: An Old Time Music Hall. Intro., Harry Champion's I'm Entry the Eighth I am; Arthur Lennard's Skylark Skylark; Charles Godfrey's, Hi-tiddle-ty-ti; Vesta Victoria's, Our Lodger's such a Nice Young Man; Chirwin's Blind Boy; Tom Costello's, At Trinity Church; Albert Chevalier's, The Future Mrs. Awkins. Knock's 'em in the Old Kent Road, My O d Dutch; Lil Hawthorne's, I'll be your Sweetheart; Gertie Gitano's Nellie Dean; Florrie Ford's, Down at the Old Bull and Bush.
- 2-15 p.m. **The Scottish Studio Orchestra.**
- 3-15 p.m. **"An Exile's Notebook." \* A talk by Tony Melrose.**
- 3-30 p.m. **"A Good New Year to One and All."**  
Greetings from the British Isles to those overseas. A programme devised and presented by William MacLurg. The B.B.C. Empire Orchestra; leader, Daniel Melsa; and a section of the B.B.C. Chorus, under the direction of Eric Fogg.  
*Greenwich Time Signal at 4-30 p.m.*
- 4-30 p.m. **The News.**
- 4-45 p.m. **Dance Music.†**
- 5-0 p.m. *Close down.*

## TRANSMISSION 4.

- Part I. Two or three of the following frequencies will be used:  
GSI 15,260 kc/s (19.66 m.), GSD 11,750 kc/s (25.53 m.), GSB 9,510 kc/s (31.55 m.), GSL 6,110 kc/s (49.10 m.).
- Part II. Two of the following frequencies will be used:  
GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.), GSA 6,050 kc/s (49.59 m.).
- PART I.**
- 5-15 p.m. **Big Ben. The B.B.C. Dance Orchestra, directed by Henry Hall.**
- 6-0 p.m. **The News.**
- 6-15 p.m. **A Recital by Eva Turner (Soprano).†**
- 6-35 p.m. **"An Exile's Notebook." \* A talk by Tony Melrose.**
- 6-50 p.m. **The B. B. C. Northern Orchestra; leader, Alfred Barker; conductor, T. H. Morrison.**  
Overture, Lysistrata (Lincke). Serenade, Entr'acte; Scherzo (Haywood A. Scott). Cloverley Suite: (1) Valsette (2) Legend (3) Bolero (Edward German, orch. Arthur Wood). Waltz, Roses from the South (Johann Strauss).  
*Greenwich Time Signal at 7-0 p.m.*
- 7-30 p.m. **Variety Feature.**
- 8-0 p.m. **Violin Works of Henri Wieniawski. The Alfredo Campi Trio.**  
Two Caprices (in E flat and A minor). Waltz Caprice. Scherzo-Tarantelle.
- 8-20 p.m. **"Cinderella." A pantomime.**
- 9-20 p.m. *Close down.*

## PART II.

- 9-35 p.m. **Musical Interlude.†**
- 9-40 p.m. **"Harry Hopeful's Night on the Border."**  
A north-country excursion devised by D. G. Braddon and E. A. Harding.  
*Greenwich Time Signal at 10-0 p.m.*
- 10-30 p.m. **The News.**
- 10-45 p.m. *Close down.*
- TRANSMISSION 5.**
- Two of the following frequencies will be used:  
GSC 9,580 kc/s (31.32 m.), GSB 9,510 kc/s (31.55 m.), GSL 6,110 kc/s (49.10 m.), GSA 6,050 kc/s (49.59 m.).
- 11-0 p.m. **Big Ben. "Chimes at Midnight"**  
A programme of prose, poetry, and music for the last hour of the year. Devised and produced by Laurence Gilliam.
- 11-45 p.m. **A Watch-night Service from St. Paul's Cathedral, London, conducted by the Very Rev. W. R. Matthews, D.D. Dean of St. Paul's.**  
Hymn, Through All the Changing Scenes of Life (A. and M., 290); Address; Prayer; Hymn, O God our Help in Ages Past (A. and M., 165); Blessing.  
*Greenwich Time Signal at 12-0 midnight.*
- 12-0 a.m. **The New Year.**  
Big Ben. New Year scenes in London, Benwick-on-Tweed and Edinburgh. Auld Lang Syne.
- 12-5 a.m. **Scots Variety.**  
Wullie Lindsay, comedian; Mackenzie Reid, with his accordion; Ian Smith, tenor; and "The Haggis Factory"—an impossibility by J. Bennett Morrison, with J. K. Urquhart, Ian Sadler, and Elsie Brochie. Barbara Laing at the pianoforte.
- 12-45 a.m. **The News.**
- 1-0 a.m. *Close down.*

## TRANSMISSION 6.

- Two of the following frequencies will be used:  
GSD 11,750 kc/s (25.53 m.), GSC 9,580 kc/s (31.32 m.), GSL 6,110 kc/s (49.10 m.).
- 3-0 a.m. **Big Ben. Grand Christmas Pantomime! \***  
The story of "Sindbad the Sailor, or a Life on the Ether Wave." Book and lyrics by Alec McGill. Music by Jack Clarke. The cast supported by the B.B.C. Empire Orchestra; leader, Daniel Melsa; and the B.B.C. Revue Chorus, under the direction of Eric Fogg. The pantomime produced by William MacLurg.  
*Greenwich Time Signal at 3-0 a.m.*
- 4-0 a.m. **The News.**
- 4-15 a.m. *Close down.*
- \*Electrical recording. †Gramophone records.

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## SELECTED LONG AND MEDIUM BROADCASTING STATIONS.

ARRANGED IN ORDER OF WAVELENGTHS.

Metres.	Kc/s.	Kw.	Station.	Metres.	Kc/s.	Kw.	Station.	Metres.	Kc/s.	Kw.	Station.
200	1,500	..	Peshawar (India) VUP	344.8	870	10	Tokyo (Japan) JOAK.	506.8	592	100	Vienna (Austria).
238.5	1,258	10	Kuldiga Latvia.	345.6	868	16	Poznan (Poland).	508.5	590	10	Tokyo (Japan) JOAK.
245.5	1,222	10	Trieste (Italy).	349.2	859	35	Strasbourg (France).	514.6	583	15	Grenoble (France).
251.0	1,195	25	Frankfurt (Germany).	349.2	859	10	Simferopol (U.S.S.R.)	522.6	574	100	Riga (Latvia).
253.2	1,185	10	Kharkov II (U.S.S.R.)	350.1	857	0.35	Rangoon (Burma) 2HZ.	531.0	565	60	Stuttgart (Germany).
255.1	1,176	10	Copenhagen (Denmark).	350.9	855	3	Bombay (India) VUB.	539.6	556	100	Athlone (Irish Free State).
257.1	1,167	15	Monto Ceneri (Switzerland).	356.7	841	100	Berlin (Germany).				Beromunster (Switzerland).
		20	London National (Great Britain).	357.1	840	12	Saigon (French-Indo-China) F31 CD.	549.5	546	120	Budapest (Hungary).
261.1	1,149	20	West National (Great Britain).	360.6	832	100	Moscow IV (U.S.S.R.)	559.7	536	16	Wilno (Poland).
		20	North National (Gt. Britain).	364.5	823	12	Bucharest (Romania).	569.3	527	10	Viipuri (Finland).
265.3	1,131	10	Horby (Sweden).	368.6	814	50	Milan I (Italy).	688	436	10	Ufa (U.S.S.R.)
269.5	1,113	10	Radio Normandie (France).	370.4	810	3	Calcutta (India) VUC.	726	413.5	10	Voronezh (U.S.S.R.)
		11.2	Moravska-Ostrava (Czechoslovakia).	373.1	804	50	Scottish Regional (Great Britain).	748	401	100	Moscow III (U.S.S.R.) R.W. 49.
271.7	1,104	50	Madona (Latvia).	377.4	795	16	Lwow (Poland).	800	375	50	Sverdlovsk (U.S.S.R.)
274	1,095	10	Madrid (Spain) EAJ.7.	382.2	785	120	Leipzig (Germany).	834.5	359.5	20	Budapest II (Hungary).
			Vinnitsa (U.S.S.R.)	389.6	770	0.2	Madras (India) VUM.	845	355	10	Finmark (Norway).
276.2	1,086	2	Falun (Sweden).	391.1	767	50	Scottish Regional Falkerck (G. Britain).	845.1	355	20	Rostov-on-Don (U.S.S.R.)
278.6	1,077	30	Bordeaux Lafayette (France).					1071.4	280	35	Tiflis (U.S.S.R.)
280	1,071	001	Allahabad (India) VUA.	395.8	758	12	Katowice (Poland).	1107	271	100	Moscow II (U.S.S.R.)
283.3	1,059	20	Bari (Italy).	405.4	740	100	Munich (Germany).	1154	260	60	Oslo (Norway).
285.7	1,050	50	Scottish National (Great Britain).	410.4	731	75	Nanking (China) XGOA.		256.4	25	Tashkent (U.S.S.R.)
		40	Renmes-Bretagne (France).	415.5	722	20	Tallinn (Estonia).	1170	245	100	Leningrad (U.S.S.R.)
288.5	1,040	10	Leningrad II (U.S.S.R.)	420.8	713	36	Kiev (U.S.S.R.)	1261	238	60	Kalundborg (Denmark).
291.0	1,031	60	Konigsberg (Germany).	426.1	704	50	Rome (Italy).	1293	232	20	Kharkov (U.S.S.R.)
296.2	1,013	50	Midland Regional (G. Britain).	428.5	700	55	Stockholm (Sweden).			7	Ankara (Turkey)
298.8	1,004	13.5	Bratislava (Czechoslovakia).	440.0	681	2	Colombo (Ceylon).	1304	230	150	Luxembourg.
301.5	995	20	Hilversum (Holland).	443.1	677	75	Nanking (China) XGOA.	1339	224	120	Warsaw (Poland).
304.3	986	10	Genova (Italy).	449.1	668	25	Sottens (Switzerland).	1379	217.5	100	Novosibirsk (U.S.S.R.)
309.9	968	10	Odessa (U.S.S.R.)	454.5	660	50	North Regional (Gt. Britain).	1389	216	150	Motala (Sweden).
312.8	959	60	Poste Parisien (France).	455.9	658	75	Jerusalem (Palestine).	1442	208	16	Reykjavik (Iceland).
315.8	950	100	Breslau (Germany).	463.0	648	100	Cologne (Germany).	1456	206	35	Minsk (U.S.S.R.)
318.8	941	10	Goteborg (Sweden).	463.0	648	100	Lyons (La Dova) France.	1500	200	5	Eiffel Tower (Paris) France.
321.9	932	12	Algiers (North Africa).	463.0	648	10	Petrozavodsk (U.S.S.R.)			150	Droitwich (Great Britain).
325.4	922	15	Brussels II (Belgium).	470.2	638	120	Prague I (Czechoslovakia).	1500	200	35	Irkoutsk (U.S.S.R.)
328.6	913	32	Brno (Czechoslovakia).	476.9	629	20	Lisbon (Portugal.)	1571	191	60	Deutschlandsender (Germany).
		60	Toulouse (Radio Toulouse) (France).	483.9	620	20	Trondelag (Norway).	1648	182	80	Radio Paris (France).
331.9	904	100	Hamburg (Germany).	491.8	610	20	Cairo (Egypt).	1724	174	500	Moscow I (U.S.S.R.)
335.2	895	10	Helsinki (Finland).	499.2	601	15	Brussels I (Belgium).	1796	167	75	Syria (Syria).
342.1	806	50	London Regional (Great Britain).			10	Florence (Italy).	1807	166	40	Lahti (Finland).
						25	Sundsvall (Sweden).	1875	160	150	Brasov (Romania).
							Rabat (Radio Maroc) (Morocco)				Kootwijk (Holland).

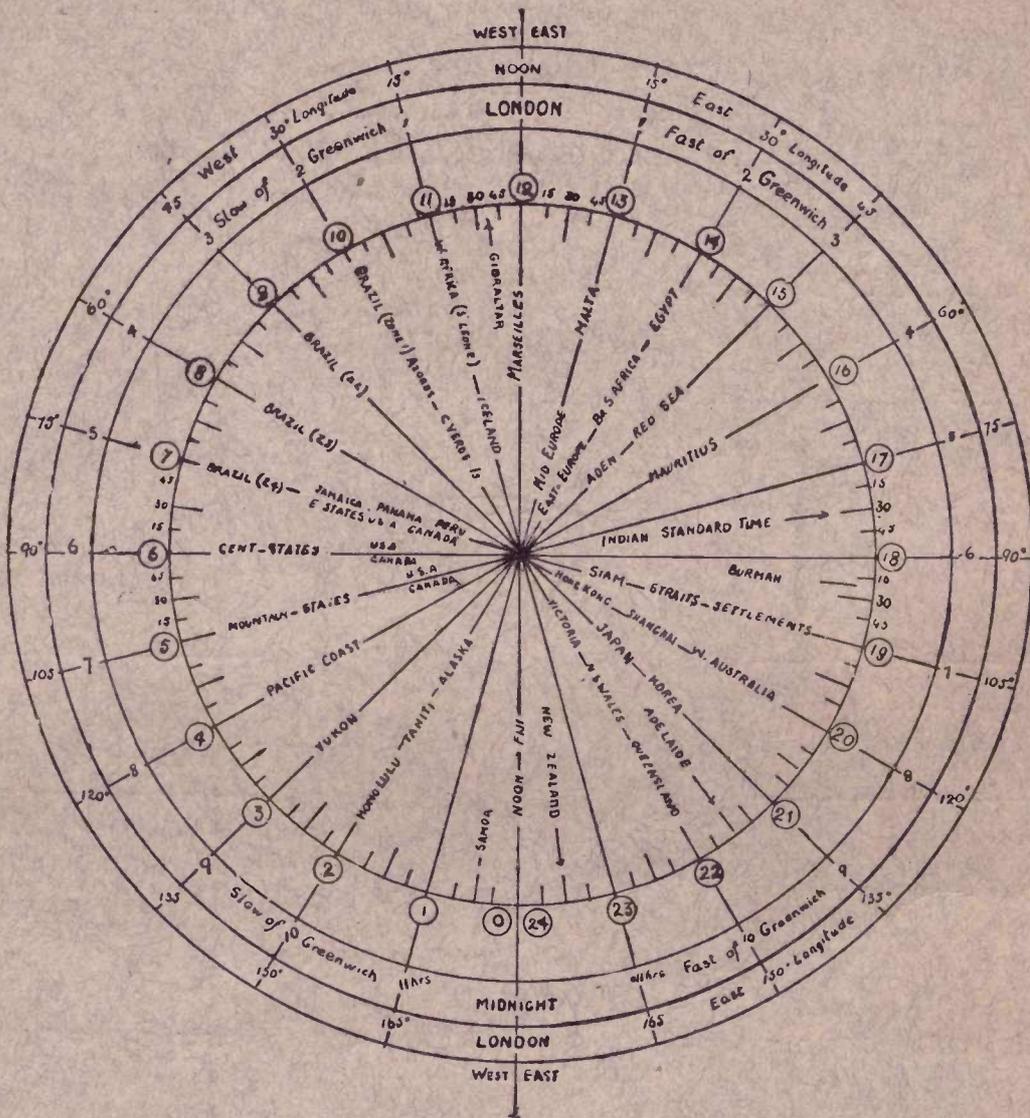
## SELECTED SHORT-WAVE BROADCASTING STATIONS.

ARRANGED IN ORDER OF WAVELENGTHS.

Metres.	Kc/s.	Kw.	Station.	Metres.	Kc/s.	Kw.	Station.	Metres.	Kc/s.	Kw.	Station.
13.93	21,540	40	Pittsburgh (U.S.A.) W8XXK.	25.34	11,840	6	Manila (Philippine Islands).	38.48	7,797	20	Radio Nations (Switz.) HBP.
13.93	21,530	10	Daventry (Great Britain) GSJ.	25.4	11,810	25	Rome (Italy) 2RO.	42.00	7,140	..	(Rangoon) 2HZ.
13.97	21,470	10	Daventry (Great Britain) GSH.	25.45	11,790	5	Boston (Mass) W1XAL.	43.00	6,976	15	Madrid (Spain) EA4AQ.
15.93	18,830	60	Bandoeng (Java) PLE.	25.49	11,770	5	Zeesen (Germany) DJD.	46.69	6,425	18	Bound Brook (N.J.) W3XL.
16.86	17,790	10	Daventry (Great Britain) GSG.	25.53	11,750	15	Daventry (G. Britain) GSD.	48.86	6,140	40	Pittsburgh (U.S.A.) W8XXK.
				25.57	11,730	23	Eindhoven (Holland) PHI.	48.92	6,130	6	Manila (Philippine Islands).
16.87	17,780	15	Bound Brook (N.J.) (U.S.A.) W3XAL.	25.6	11,720	10	Radio-Colonial (Paris) FYA.			0.18	Kuala Lumpur (Fed. Malaya States) ZGE.
16.88	17,770	23	Huizen (Holland) PHI.	27.93	10,740	20	Tokyo (Japan) JVM.				
16.89	17,760	5	Zeesen (Germany) DJE.	28.76	10,431	3	(Java) YBG.	49.02	6,120	1	Nairobi (Kenya) VQ7LO.
17.33	17,310	20	Bound Brook (U.S.A.) W3XL.	28.98	10,350	9	Buenos Aires (LSX).			1.5	Bandoeng (Java) YDA.
19.52	15,370	6	Budapest (Hungary) HAS.3.	29.04	10,330	9	Ruyssedele (Belgium) ORK.	49.1	6,110	0.5	Calcutta (India) VUC.
19.56	15,330	20	Schenectady (U.S.A.) W2XAD.	29.24	10,260	..	Bandoeng (JAVA) P.M.N.	49.18	6,100	15	Daventry (G. Britain) GSL.
19.63	15,280	5	Zeesen (Germany) DJQ.	29.40	10,204	..	Batavia (Java) NIROM.	49.30	6,097	10	Chicago (Ill.) W9XF.
19.66	15,260	10	Daventry (Great Britain) GSL.	30.43	9,860	20	Madrid (Spain) EAQ.	49.33	6,085	15	Bound Brook (N.J.) W3XAL.
19.67	15,250	5	Boston (Mass) (U.S.A.) W1XAL.	31.13	9,635	25	Rome (Italy) 2RO.	49.30	6,085	5	Johnnesburg (S.A.) ZTJ.
19.68	15,243	10	Radio-Colonial (Paris) FYA.	31.27	9,595	20	Radio Nations (Switzerland) HBL.	49.33	6,080	25	Rome (Italy) 2RO.
19.71	15,220	18	Eindhoven (Holland) PCJ.	31.28	9,590	20	Sydney (Australia) VK2ME.	49.42	6,070	0.05	Penang (ZHJ).
19.72	15,210	40	Pittsburgh (U.S.A.) W8XXK.	31.32	9,580	15	Daventry (G. Britain) GSC.	49.5	6,060	1.5	Vienna (Austria) OER2.
19.74	15,200	5	Zeesen (Germany) DJB.	31.35	9,570	6	Manila (Philippine Islands).	49.69	6,060	10	Cincinnati (U.S.A.) W8XAL.
19.82	15,140	10	Daventry (G. Britain) GSF.	31.36	9,565	10	Millis (Mass.) W1XXK.	49.69	6,040	15	Daventry (G. Britain) GSA.
19.84	15,123	10	Vatican City (Italy) HVJ.	31.38	9,560	4.5	Bombay (India) VUB.	49.69	6,070	3	Sourabaya (JAVA) YDB.
20.55	14,600	20	Nasaki (Japan) JVH.	31.45	9,540	5	Zeesen (Germany) DJA.	49.70	6,036	10	Tandjonpriok (YDA).
25.00	12,000	20	Moscow (Russia) RW59.	31.48	9,530	40	Schenectady (N.Y.) W2XAF.	49.83	3,020	0.5	Colombo (Ceylon).
25.23	11,880	10	Radio Colonial (Paris) FYA.	31.55	9,510	15	Daventry (G. Britain) GSB.	49.85	6,018	5	Zeesen (Germany) DJC.
25.27	11,870	40	Pittsburgh (U.S.A.) W8XXK.	31.58	9,500	15	Rio de Janeiro (Brazil) PRF5.	50.00	6,000	0.09	Singapore (S.S.) ZHI.
25.29	11,860	15	Daventry (G. Britain) GSE.	32.88	9,125	05	Budapest (Hungary) HAT4.	50.26	5,969	5	Barcelona (Radio Club) (Spain) EAJ25.
				34.29	8,750	5	Hong-Kong ZCK.	67.11	4,470	10	Vatican City (Italy) HVJ.
				37.33	8,035	10	Rabat (Radio Maroc) CNR.	70.20	4,273	1	Sourabaya (Java) YDB.
										20	Kharbarovsk—RV15.

# APPROXIMATE STANDARD TIME

Throughout the world at noon in LONDON.



## KEY

With the inner circle each of the space bounded by the long radial lines marks the passage of one hour, while each of the sub-divisions of the circle represents 15 minutes of time in earth's diurnal revolution; in the mid-circular space, the difference of time throughout the World, based on noon at Greenwich, is shown in hours, the outer circular shews the corresponding degrees, 15° to the hour; west or east of the meridian of Greenwich.

To find at sea the approximate time of any place; ascertain by reference to the diagram the difference earlier or later of time between that place and the ship's standard time; this difference added for places east of the ship's position or deducted for places west of that position, to or from the ship's time, will give the approximate time at the distant locality.

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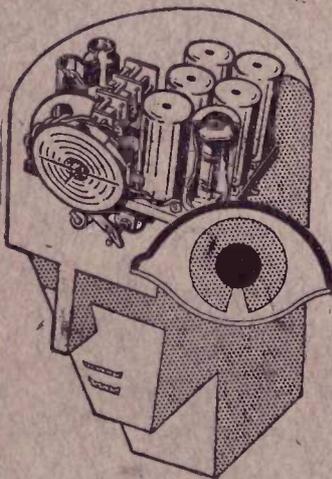
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