

THE INDIAN LISTENER



Vol. I. No. 19

ALL-INDIA RADIO

22 September 1936

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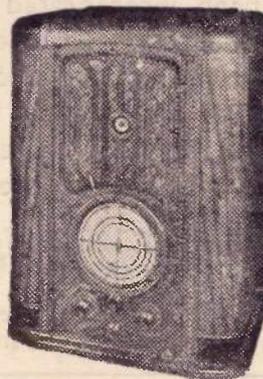
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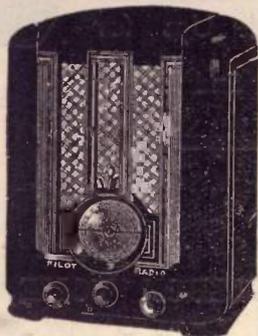
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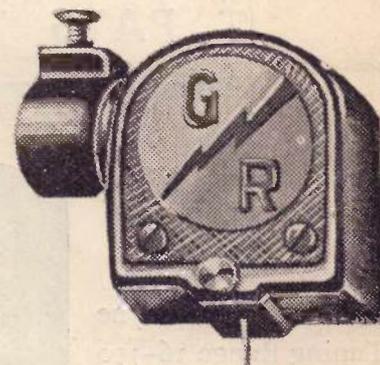
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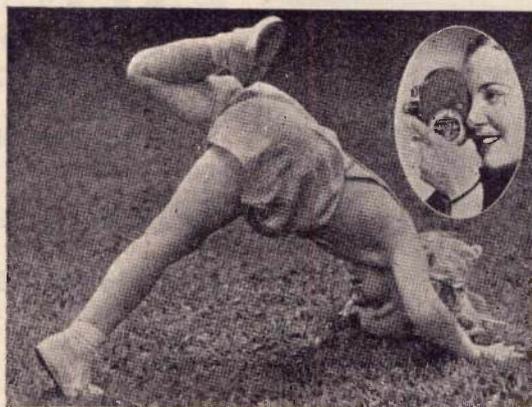
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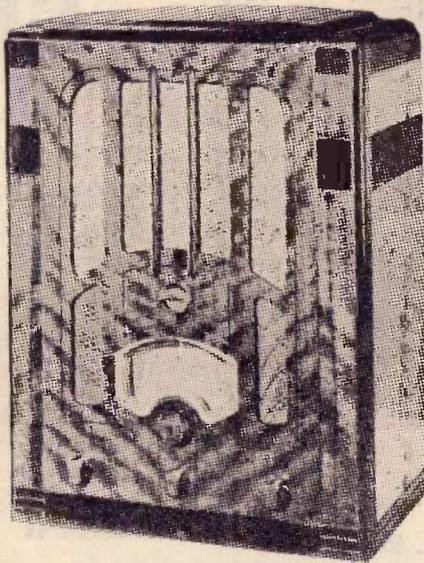


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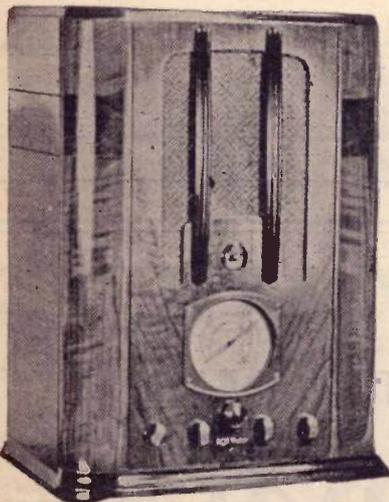
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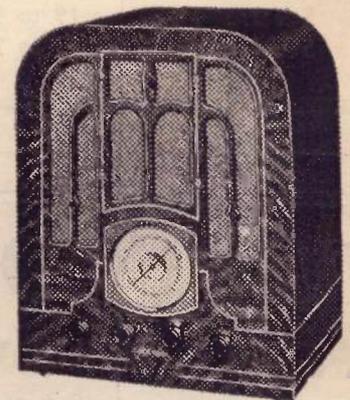
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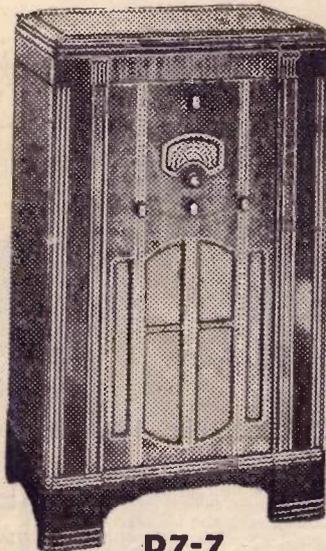


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THE INDIAN LISTENER

(Incorporating "THE INDIAN RADIO TIMES")
OFFICIAL ORGAN OF ALL-INDIA RADIO

Vol. I.

22nd SEPTEMBER 1936.

No. 19.

WAVELENGTHS AGAIN

IT is now some time since there has been great agitation or lengthy correspondence in the press on the subject of wavelengths. It would appear that the combatants require more ammunition in order to keep going, so we will endeavour to provide it.

If you were to ask an eminent radio engineer which wavelength he would choose to serve a country like India, without giving any further information, he would undoubtedly choose the long wavelengths around 1500 metres. For a given power radiated, this wavelength is the most efficient in all the bands allocated for broadcasting purposes for providing a first-grade service area (*i.e.*, an area within which there is no fading). However, as soon as the question of atmospherics is brought up as an important factor, the whole basis of discussion is changed. It may be considered that the atmospheric strength increases proportionately with wavelength (on 1500 metres the atmospherics will be ten times the strength as on 150 metres).

This is a very important point, as in order to provide the same freedom from atmospherics a station on 1500 metres would have to give 10 times the field strength of a station on 150 metres. But to increase the field strength ten times requires increasing the power of the transmitter a hundred times, so that it looks as if a one k.w. station on 150 metres would give the same satisfaction as a 100 k.w. station on 1500 metres if the atmospheric strength is the important factor.

However, complications arise because the absorption of waves on 150 metres is greater

ETHEL GATELY, ONE OF DELHI'S POPULAR BROADCASTERS.



On the . . . Air

than on 1500 metres, and therefore the gain which might be expected is not fully realised. Actually the best wavelength to choose for a first-grade service (*i.e.*, a service without fading) depends upon the actual value of the conductivity of the soil and the strength of the atmospherics. The best wavelength to choose for a first-grade service in an area with sandy soil will be different from the case of an area with swampy ground.

For a first-grade service, therefore, the actual wavelength to be chosen is largely determined by the above considerations, and for the type of conditions which are found in India it will not be the long wavelengths.

USING INDIRECT RAYS

SO far we have been talking about the first-grade service area. But it has become evident to most people that it will be many years before the whole of India can be given a first-grade service. Under any known method, the expenditure involved would be several crores of rupees.

What then is the correct thing to do in the present circumstances?

It is known that by making use of indirect rays much greater distances can be covered. The use of indirect rays implies a second-grade service, as a certain amount of fading will be experienced.

In case any one should still not be clear as to what an "indirect ray" is, it can be explained that the indirect ray is the ray which is projected upwards into the sky and is returned to earth again at some distance from the transmitter by a reflecting layer, whereas the direct ray is the ray which travels directly from the transmitter to the receiver without leaving the surface of the earth.

If one agrees that an endeavour should be made to give a second-grade service to every part of India—as well as a first-grade service to the more important parts,—then progress can be made on the basis of a second-grade service. It now becomes necessary to decide what wavelength is to be used for the second-grade service.

It has been found by measurement that the strength of the indirect ray from a given transmitter is practically independent of wavelength. Approximately the same indirect ray signal strength will be obtained irrespective of wavelength from the short waves to the longwaves (*i.e.* the same indirect ray strength is obtained on 50 metres as on 500 metres for the same power radiated). But as we have previously seen, the strength of atmospherics decreases with the wavelength. It would seem right to choose

the shortest wavelength possible, and thereby get the greatest freedom from atmospherics.

At this point the awkward question of skip distance comes in. The skip distance is the space between the transmitting station and the point where the ray which goes up to the sky is first returned to earth, within which no signals are heard. It so happens that skip distance only becomes important when the wavelength is decreased to a sufficiently low value, and if wavelengths higher than about 50 metres are used, the skip distance trouble may not be serious. It might then be possible to use a wavelength of the order of 50-80 metres to provide a second-grade service to distant parts of India, where a first-grade service cannot be provided for some years to come.

LAND-LINES

A CORRESPONDENT in the *Civil and Military Gazette* asks: "What would be simpler than to connect up the present and proposed transmitting stations in India by means of land telephone wires so that a single European programme should be heard all over India? This would cut down programme expense."

It is true that by such a scheme our programme expense could be cut down, and that this is very desirable. But it is far from simple to connect stations in India by a suitable land-line. In fact, to do so at all involves the use of some of the very latest developments in communication engineering. It is necessary to appreciate the great difference between a land-line suitable for a telephone conversation and one suitable for music and broadcast quality

KATHLEEN BATEMAN, ANOTHER OF DELHI'S "DISCOVERIES."



speech. For an ordinary telephone conversation, only a relatively narrow band of frequencies from about 300 to 3,000 cycles per second need be transmitted. Yet we are all aware of the fact that it is often difficult to identify a speech at the other end of the telephone. This is because the normal telephone line and apparatus do not transmit the full range of frequencies required for natural reproduction.

For music, however, this will not do. A much broader band of frequencies, say from 50 to 8,000 cycles per second, has to be transmitted in order that music shall appear at all natural. Similarly, while a certain amount of noise and occasional clicks are not very noticeable in a telephone conversation, an absolutely silent background is necessary if music is to be properly appreciated. Where plain overhead wires are used, as for instance between Delhi and Simla, it is possible to improve line characteristics by means of inexpensive apparatus at either end. But in the case of long lines which use amplifying equipment at regular intervals, all these "repeater stations" must be altered to pass a wider band of frequencies. Generally speaking, completely new equipment is required at every point along the line where the music is amplified,—and this apparatus is costly.

This does not mean that nothing will be done. Indeed the problem has already been tackled, and shortly a start will be made on the first music quality land-line. It is only necessary to point out that it is a costly and difficult problem, and progress cannot be as quick as we all would wish.

THWARTED

THE Urs at Ajmer is one of the most important festivals for the Muslims of this country. Young and old, rich and poor, men

and women, all flock to the shrine of Khwaja Moinuddin Chishti to pay their homage to the memory of the departed saint. The railway authorities run a number of special trains for conveying thousands of devotees to Ajmer. The Administration has to make elaborate arrangements to cope with the rush of pilgrims, and the population of the town swells from about a lakh and twenty thousand to about two lakhs during the week.

Realising the importance of the fair and the great religious significance attached to it by Muslims, Delhi was very anxious to relay a special programme from the shrine of the Khwaja Saheb on the occasion of this year's Urs, which was fixed from the 17th to the 24th September. Representatives of AIR were sent to Ajmer to make the necessary arrangements. It was proposed to have a talk on the life of the Khwaja Saheb from the Dargah Sharif, some devotional songs from the Quwalis from the Mahfilkhana of the Dargah, and some readings from the Koran on the evening of the 23rd. Permission was applied for from the Dargah authorities to lay the necessary lines to the Mahfilkhana and also to arrange for a performance by the Quwalis. But the authorities of the Dargah were not at all enthusiastic about the offer, and finally, despite much persuasion, refused to give their consent. Thus did the endeavour for a special programme have to be given up in the hope that similar efforts will prove fruitful next year.

MUSIC CONFERENCE

THE trip to Ajmer, however, could not be wasted, and so a relay of some of the proceedings of the All-India Music Conference to be held from the 3rd to the 9th October was arranged instead, and as distinguished musicians from all the important schools of music, and individual artists of eminence like Fayyaz Khan of Baroda, will assemble in Ajmer for the conference, such a programme should prove most popular. It is proposed to relay from the Hall of the Music Conference at Ajmer from 10 p.m. to 11-30 p.m. on Saturday, the 3rd October and Monday, the 5th October, and it is hoped that people like Principal Deodhar of Bombay, Principal Ratanjankar of the Marris College of Hindustani Music, Master Vasant, and others will take part in the special broadcasts.

THOSE SHORT-WAVES

TO stem the avalanche of letters that threatens to sweep us to oblivion, a short note on Bombay's use of the short wave has been rendered imperative. Every mail brings a request (and at times a threat) for more and more short-wave programmes from Bombay, one listener even going to the extreme of declaring that the reason for so few

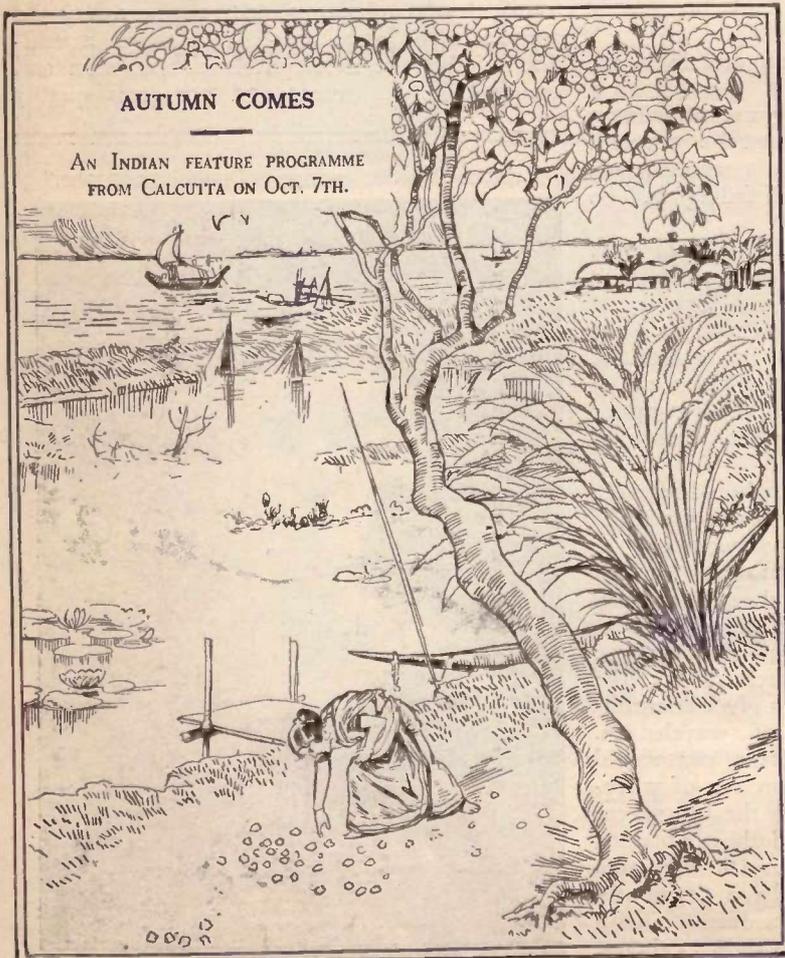
short-wave programmes can be found in the fact that "the Station Director has been deliberately ordered to reduce the number because All-India Radio is in favour of long or medium waves rather than short waves." It is very clear from these letters, however, that listeners all over India are under a serious misapprehension on this point of Bombay's programmes. We have recently endeavoured to reply to all such letters with an explanatory outline of the position, but the time has come when it is essential that we give more publicity to this explanation.

The fact is, *there is no short-wave transmitter at the Bombay Station.* Whenever such a programme is given, it is relayed from the Bombay studios to the short-wave transmitter at the Beam Station at Kirkee, near Poona, belonging to the Indian Radio & Cable Communications Company, which is a private concern.

Two things will at once be apparent to every listener. Firstly, that it is not always possible to hire that transmitter for a lengthy period at



OLIVER STEBBINGS, WELL KNOWN TO ALL WHO TUNE IN TO DELHI.



the very times when the Bombay Station has a special programme, because the Beam station is frequently very busy with both wireless telephony and telegraphy work with the rest of the world. During the week-end, for example, there is a great demand for the use of the wireless telephone to England (or America) at the week-end reduced rates, and so it is seldom possible to arrange lengthy short-wave programmes during those rush hours. Secondly, it is not a cheap service, and with the limited allotment for programme expenditure, the Bombay Station has to be very careful in its apportionment of programmes to short-wave.

With this explanation we feel that listeners will appreciate not only Bombay's difficulties, but also that every effort possible is already being made to utilise the short-wave Beam station to the full. The mere failure to accede to the many requests for certain items to be transmitted on short-wave does not necessarily mean that Bombay is unwilling to meet the wishes of its listeners, but rather that it is a practical impossibility to do so. Moreover, Bombay Station is

primarily intended for Bombay, and its short-wave fans are scattered all over the country hundreds of miles from Bombay.

A MUSICAL DROUGHT

ACCORDING to correspondents in popular Indian dailies, there is a famine and a drought in Indian musicians. Says one writer: "It is a matter of profound regret that while unemployment in all branches of service is staring us in the face, there is an absolute scarcity of really qualified and cultured musicians in the country." Now without fully concurring in such a sweeping statement, all who have had anything to do with Indian broadcasting will agree that it is no easy task to fill up the programmes daily with first-class musicians. But even if we admit that this correspondent's statement is only half true, then surely listeners will agree that the lot of the Director of Programmes is not an easy one. Such a scarcity of musicians might, indeed, be an explanation of any items which do not meet with the approval of the critics who expect, and demand, perfection from every broadcast.

But there is a silver lining to this dark cloud. Whilst we agree that musicians are born and not made, the fact remains that with encouragement the art of music can be greatly fostered and improved. In the "good old days" it was the rich men and the Maharajas and the Nawabs who were the patrons of Indian music. But to-day, those rich men and Indian princes find that they have not the wealth to expend on such extensive musical departments as they once had. True, there are some who still have their Court musicians, who still regard it as a privilege to seek to save Indian music from degeneration and oblivion; but their number has woefully decreased. All the more praise, therefore, to radio, for it is becoming increasingly clear that to broadcasting India must look for the perpetuation, and rejuvenation, of her musical life. At the moment, with limited funds at its disposal, AIR might not be able frequently to engage the most renowned musicians whose honoraria run into four figures; but nevertheless we think it is

DAGMAR JUDD, WHO CAN BE HEARD FROM DELHI ON OCT. 1ST.



correct to say that already every musician of fame throughout the country has been put on the air several times. In some cases, indeed, the musicians themselves have helped to make this possible by agreeing to accept a smaller honorarium than usually charged, whilst in other cases the open-handedness of AIR has enabled famous musicians to be heard by thousands who otherwise would not have been able to hear them except, perhaps, through the distorted strains of a much-worn and over-scratched gramophone record.

Critics may squabble over the origins of certain forms of Indian music; they may divide their allegiance between half a dozen different schools; but one and all are now looking to broadcasting to do what all the criticism and disputing could never do. Some say that a new kind of Indian music will have to be evolved on the radio to meet the demands and tastes of the present generation; but even if that be so, broadcasting will still be able to arouse that somnolent love for the traditional music which means so much to Indian art and culture, and which no other modern force could possibly arouse.

THE POWER OF THE MIKE

ON several occasions lately we have referred to the way in which the Village Hour of the Delhi Station has received the approval of almost all sections of the public. Listeners have spoken well of it and the press has paid it many compliments. But besides being a very popular item of the programme, it has perhaps succeeded the most in achieving some of the ambitions of its originators. And in unexpected ways, too.

An official of the Posts and Telegraphs Department, for example, tells us that he had a difficult problem to deal with, as his wife would not consent to sleep under a mosquito net. He advised her, he implored her, but all to no purpose. Into such a state of disharmony one evening the radio set in his house thundered out a warning against mosquitoes and malaria and so on. The speaker made a strong case for using a net and pointed out the dangers of not doing so. The stubborn wife happened to be listening, and she promptly insisted on having a net at once! Thus did the speaker at the mike at Delhi succeed better than the persuasions of her own husband.

The same person gives us another instance, this time of a patient who would not listen to the advice of his doctor, but who promptly responded to the call from the ether. A certain venerable old gentleman of the Punjab was in the habit of smoking his *bukha* at all times of the day and night. Trouble arose with his lungs, which reacted on other parts of his anatomy. The doctor told him that his only salvation lay in his giving up the *bukha*. But every time the

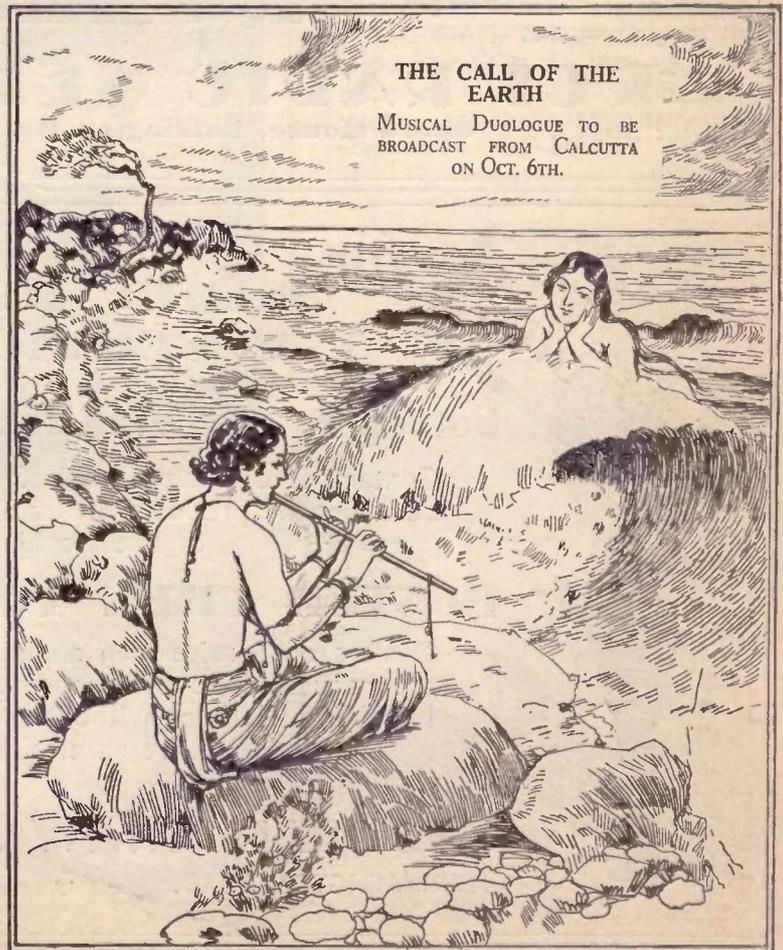
subject was broached, the reply amounted to an absolute and unqualified and an emphatic "No." Suddenly one evening a speaker at the mike in one of the Delhi studios preached a sermon against the *bukha*. Scared out of his wits by the warning from the ether, the miracle was performed, and the old gentleman has given up his dalliance with "My Lady Nicotine," to the great joy of his family and friends.

PRACTICE BETTER THAN PRECEPT

IT is sometimes argued that the present craze for village uplift is making the villager somewhat uneasy, and that he resents any activity to improve his conditions of living on the part of the authorities. It is quite true that village uplift lecturers in nine cases out of ten talk above the heads of their audiences and the villager seldom remembers what they say. But such is not the case with the inhabitants of the village of Kohand, a village in the Punjab, where AIR has installed a receiving set. They have had the benefit of the set for several weeks now and the radio talks seem to have had the desired effect.

Under the Presidentship of Chowdhury Khairati Singh, the villagers have formed a Panchayat to give effect to some of the proposals of our village uplift talkers. They mean business. They have already made a road of about four furlongs in length from the pucca trunk road to the village: surely a creditable achievement for private village enterprise. But that is not all. They have also started a night school for providing elementary education to such of the villagers as may care to acquire a rudimentary knowledge of letters.

It is a truism that the aim of all village uplift activity should be that the villagers themselves should feel the need of improving things, and



that as far as possible the main part of the actual work should be done by their own inspiration and perspiration. If the radio has succeeded in awakening the people of Kohand, there is no reason why the efforts of AIR should not yield the same results in many other places.

EXAMPLE

THE Deputy Commissioner of Ambala has been taking a very keen interest in the rural broadcasts of the Delhi Station. The other day he visited the village of Ghasera and went to the village chowpal as any ordinary villager and listened for an hour to the Delhi programme. He was very pleased with the way the villagers enjoyed the entertainment and has recorded his impression in the log book kept in the village for the purpose. He later on visited the village of Sambhalka where he also listened to some of our talks, which he described as both interesting

and edifying, adding that he had no doubt that the set is proving of great benefit to the villagers.

TIT FOR TAT

EVERY few days brings to AIR officials letters that are unintentionally funny. One correspondent, for example, has advised the Delhi Station to stop broadcasting and relapse into silence for half an hour so that he can hear the commercial news from Bombay. The next thing some well-meaning gentleman will do is to ask the Bombay Station to stop in the evening at 7-30 so that he can hear the rural programmes of the Delhi Station.

THAT "DUD"

SOMETIME ago there appeared in this paper an article entitled "Is Delhi a Dud"? A gentleman from Jullundur disagrees with the insinuation. He writes:—

"I happen to be one of those individuals who is thankful for small mercies. Jullundur, as you might know, is a small station, and during the summer months we have no picture houses to go to, no cafes. Thus in a station like Jullundur a wireless set is a great asset. I always tune into Delhi, and I for one can say that I have received some very nice programmes."

IDEAS

ON various occasions in the past we have made it very clear that we welcome suggestions for novel items for our programmes. Well, here is one which certainly deserves credit for originality if not for sagacity. For safety sake we omit names and places: "You might be knowing about the important civil case which is going on against such-and-such a firm for a sum of more than Rs. 30,000 at such-and-such a town. In this case such-and-such a person will be examined on oath by Miss So-and-So in a certain Court on the 14th inst. As the matter is of vast public importance, you are therefore requested to broadcast this important case and news. Complete details can be given if you send on your representative to me."

This is certainly a new idea. But oh, how dangerous! Apart from the risk of being landed with contempt of court for publishing only one side, or one session, of a court case, there is the additional danger of letting ourselves in for so much broadcasting of legal matters that we should have no time for any other form of programme. India is famous as a land of glorious litigation, and as some of her cases stretch over many months, and even years at times, the very thought of tackling the courts makes us shudder.

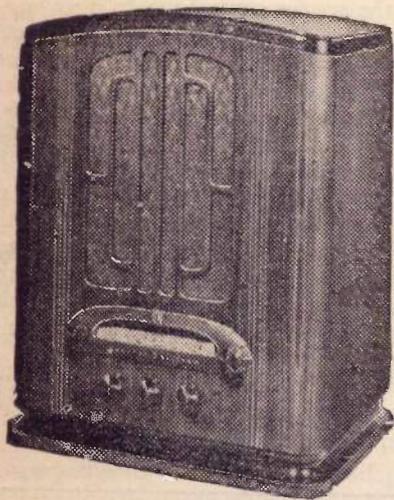
No, we shall leave the reporting of criminal and civil cases to the newspapers, for we feel that even the loudest clamourers for more lively programmes would object to our "brightening up" the existing programmes by such ghoulish commentaries as were given in America, for example, on the Hauptmann case. Life is already quite lurid enough without radio filling the ether with the latest revelations of the Kill-em-off murder case or the most sensational details of the Lov-em-all divorce suit.



COMPLICATIONS

IN our last issue we referred briefly to the way in which broadcasting was producing a new problem for the Aligarh traffic police. An interested correspondent, however suggests that we should not dismiss this problem so airily. He pointed out that the law says that we should not practice entertainment on a public thoroughfare. The law also says that delivering a speech in a public place so as to obstruct traffic is punishable under the Indian Penal Code. And the law also says that it is irregular to work a radio in a public place without a proper license. But who can prevent a crowd collecting round a building and listening to music out of some open window?

Aligarh, however, is only one example. There may be instances in other cities. It would have been possible for the police to remedy this state of affairs were the performer on the spot, although even then the question of jurisdiction would arise. The dislocation of traffic



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occurs in the U. P., while the cause of the disturbance is traced to the Province of Delhi. Which police should investigate, the Aligarh or the Delhi? Which Magistrate should try the case? The process of law is notoriously long and delayed, and if such complicated questions arise from the very beginning, it will take a decade to settle the dispute.

THOUGHTS ON PAN

THE Station Director, Delhi, has sent us some very interesting comments on the reaction of the public to some of the features of his programmes. A talk on "Pan" was broadcast on the 23rd of August, which annoyed one of the listeners to such an extent that he rushed to the press to make a public grievance of it. He accused the Delhi Station of negligence in allowing what he thought was an immodest talk. The talk really was nothing but an exhaustive dissertation on "Pan," and perhaps the following letter received by the Station Director will be an answer to the squeamish objection of the exasperated critic:—

"I have to inform you that the talk on 'Pan' broadcast from your Station was very clear, full of information and instructive. Talks on such subjects should be encouraged in future."

Well! well! one man's delight is another man's abhorrance.

The Station Director, Delhi, informs us further that in one of his rural broadcasts he had given a recipe for the cure of skin diseases. Two days after the broadcast, a gentleman, aggressively urban in his costume and manner, walked into the Station Director's office to enquire more fully about the recipe, because a certain cousin of his did not know what to do with his troublesome skin.

DEBATES

AS a rule any alterations in the scheduled timings of the programmes evoke instantaneous telephonic protest from listeners, but the debate on "Will our Grandchildren be happier than we are?"

although it prolonged itself to half an hour (instead of usual 15 minutes), evoked telephonic congratulations. This is a clear proof that debates are so well appreciated that listeners lose their otherwise fastidious and meticulous sense of time.

BACK TO AKBAR

A MOST interesting and ambitious feature of the Delhi programmes contained in this issue is the relay that is being arranged from Gwalior on the occasion of the death anniversary of the famous Tan Sen, the great master of Indian music who was so well known as "one of the Nine Jewels of the Court of Akbar." On this occasion many of India's most celebrated musicians go to Gwalior to pay homage to the great maestro, thus providing AIR with a unique opportunity of broadcasting a fine programme. It may not be possible to recapture all the glory that once pervaded the Moghul courts, but amidst such inspired surroundings a programme will surely be devised which will prove particularly attractive to all lovers of Indian music. And following within a few days of the relay of the All-India Music Conference from Ajmere, none can deny that Delhi is giving a real feast of music.

CO-OPERATION

A NOTHER rather novel programme arranged by the Delhi Station (to be relayed from Simla) is the symphony concert on October 5th in which His Excellency the Viceroy's Orchestra will be assisted by two other orchestras and a

number of well-known amateur vocalists. This should give an excellent programme, especially as the performance is being given in one of Simla's most popular ball-rooms.

VERDI

THERE is a romance about the lives of great musicians which never palls. But when we read about their lives in biographies, or see their troubles and adventures reproduced on the cinema screen, or hear their greatest compositions reproduced on the gramophone, the majority of us never think how chequered were the lives of most of these men. When we celebrate their birthdays we live again in the past,—yet we seldom marvel that they were able, in spite of so many obstacles, to let Genius triumph over Fate. This month the broadcasting stations of All India Radio are celebrating the birth of Verdi, the great Italian composer, and as he died only at the beginning of the present century, it is not difficult to take ourselves back to his surroundings. Of all the great composers, Verdi stands out as a man who refused to be defeated by public disapproval of his early music, for it was only after several failures that he produced those magnificent operas of which, perhaps, Aida, is the most popular. To music-lovers the Verdi feature programmes on October 8th should, therefore, prove especially attractive.

RADIO IN CEYLON

SOME very interesting facts about the progress of broadcasting in Ceylon are revealed by the latest annual report of the Radio Club of Ceylon and South India, which is a non-official association of wireless enthusiasts who have made themselves responsible for the promotion of broadcasting in that part of the world. An enormous amount of the organisation and administration of this Club, not to mention the programmes, is the result of voluntary work, and the fact that it is appreciated is shown by the way in which the membership

RURAL RADIO FANS

VILLAGERS GATHER ROUND TO HEAR ONE OF OUR REGULAR PROGRAMMES IN A KAPURTHALA CAMP.

Photo by Sarwar Ali.



Photo by M. S. Mathur.

A FLASHLIGHT PHOTO OF VILLAGERS IN MAOLI MAHARAJPUR, 15 MILES FROM DELHI, LISTENING IN TO THE "FOR VILLAGERS ONLY" DAILY FEATURE FROM THE DELHI STATION.



Photo by A. Rahim.

AND HERE IS A GROUP OF ENTHUSIASTIC HILL PEOPLE IN SIMLA HEARING WIRELESS FOR THE FIRST TIME.

of the Club has increased every year since its formation. During the past five years, for example, the membership has grown from 378 to 703, and the Club's monthly publication, the *Ceylon Radio Times*, is sent to every license-holder in the Island.

On this matter of licenses, the report gives some valuable figures, the number issued during the past ten years being as follows:—

| | | |
|-----------|------|------|
| Upto June | 1926 | 266 |
| " | 1927 | 650 |
| " | 1928 | 1095 |
| " | 1929 | 1353 |
| " | 1930 | 1434 |
| " | 1931 | 1224 |
| " | 1932 | 1246 |
| " | 1933 | 1516 |
| " | 1934 | 1942 |
| " | 1935 | 2731 |
| " | 1936 | 3467 |

The increase during the past three years is particularly significant and speaks well for the good results that are following the activities of the Radio Club. And it is certain that when Madras has a reasonably powerful transmitter of its own (powerful, that is, compared with its present small Corporation scheme), broadcasting in Ceylon will make even more rapid strides.

In the matter of customs duties, once again the available statistics reveal that broadcasting is a valuable aid to revenue. Here are a few statistics given in the Ceylon report showing the value of radio apparatus and accessories imported into Colombo during the past four years:—

| | |
|---------|----------|
| 1932—33 | 84,523 |
| 1933—34 | 1,27,326 |
| 1934—35 | 1,84,692 |
| 1935—36 | 2,31,867 |

These figures, like those of India, are certainly encouraging.

TROUBLES

IT is surprising how some people go looking for trouble. We expected a wide range of "problems" when we began our "Troubles Corner," but we must confess that we did not bargain on some of the queries which have been sent to us. For example, one listener has taken the trouble to write to us and say that although

he has not so far had any obstacles to surmount he is confidently expecting them "at any time now," so he plaintively asks: "When I do get into trouble, will you help me get out of it? That is to say, is your Technical Service Department to be a permanent institution, for if it is not what are poor listeners like myself to do when troubles come?"

Yet another listener reveals an almost incredible ignorance of wireless. Here is his query exactly as he sent it to us: "I have got a ten-tube set and want to know the following facts. How long should I listen in to a programme at a time, and after how much rest should I re-start it?" This listener presumably thinks that he has purchased a sort of clock-work affair which runs down after a certain length of time, and the obvious reply is, of course, that he can run it continuously off his mains for a year or more—at least until his neighbours object or his valves burn out. Were we to take his query literally, however, we should feel inclined to regard it as a slur on our programmes, for if he feels that either he or his set is liable to need a rest, or that we should advise him the average time for recuperation, then it is better that he should sell his receiver and depend upon the talks for his recreation. But, levity apart, this particular query reveals how much some listeners have to learn in this country about the new form of amusement, and we can only presume that the enquirer in question had heard someone talk of a battery set running down and consequently thought that all sets acted the same way.

A third query asks us to redirect the letter to "a reliable firm of radio dealers or a radio college where a fairly good course of radio engineering is being taught," adding that he wants to know the total cost of such a course as well as the prospects. We dealt with this form of query in our last issue, but feel that we should remind this category of enquirer not only that the advertising columns of the *Indian Listener* frequently contain information on this very problem, but also that we have a "miscellaneous advertisement" section in which such purely personal needs will gladly fit,—on payment. Such queries as these most certainly do not come under the heading of technical problems.

Another glance at our postbag and we find the following:—

"How can I do away with the awful shivering which affects my set?"

"What power loud-speaker should I buy to increase the volume of my set?"

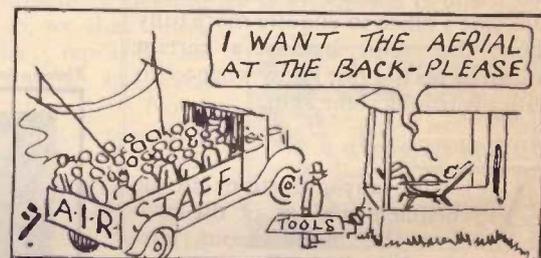
"What are going to be the new features of the 1937 models and which of them will be suitable to India?"

"The lowest wave-length on my set is 19 metres: how can I change it to 13 or 16 metres band?"

Verily did we disturb a hornets' nest when we started our Technical Service Department, but in view of the great use that is being made of it by listeners who have definite technical problems to solve, we gladly put up with the more impossible queries, especially as they impart humour and human feeling into the rapidly growing task of answering these queries. Incidentally, they also remind us that there was a time when we ourselves did not know the difference between a valve and an aerial.

SERVICE

BUT for real service here is probably the best demand, delivered to the Editor of the *Indian Listener* although addressed to "The Manager, Empire Broadcasting Company, Fort, Bombay." This particular gentleman certainly has a completely wrong idea of the functions of All India Radio, for he writes: "I intend to take up a radio connection for my bungalow opposite the police station at A_____ (about 15 miles from Bombay). I want to know



the details about the initial and current expenses. So please send me a representative who will explain to me the full details about the radio connection. Please send him at any time during the whole day this week to my bungalow, for I am at home the whole day."

Would Chief Engineer Goyder like to oblige during his forthcoming visit to Bombay?

CALCUTTA CHANGES

IN the present issue of the *Indian Listener*, readers will notice a complete change in the presentation and timings of the Calcutta programmes. Experience in that city has shown that as far as Indian listeners are concerned, they prefer their programmes during the early evening, while European listeners, on the other hand, prefer the late evening programmes. For this reason, the Calcutta Indian programmes will, as from the 1st October, commence at 5-06 p.m. (I.S.T.) and continue until 9-01 p.m. daily; and European programmes from 9-01 p.m. until 10-36 p.m. (except on Fridays). This is the first occasion on which Calcutta has presented a late European programme on every night of the week, with the exception, of course, of Fridays. The European Tiffin hour programme remains unchanged. The following are the details of the more important changes, all times being Indian Standard Time.

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DAZZLE ELECTRIC WORKS, INDORE.

There will only be one News Bulletin in English daily. This will start at 9-06 p.m., nightly, except on Fridays, and will be preceded by our Commercial News and Weather Reports at 9-01 p.m. This change has been decided upon in view of the fact that the 2nd News Bulletin in English, previously commencing at 10-06 p.m. every night interfered with the continuity of our late programmes. Under the new arrangement, the programmes will commence immediately after the News at 9-21 and continue unbroken until 10-36 p.m. Weather Reports and News in Bengali will be broadcast at 8-41 p.m.

Another important feature, commencing from 1st October, is that Calcutta has arranged for the broadcasting of a European talk practically every day. Speaking generally, the talks will be broadcast alternately in the Tiffin Hour and evening programmes. On Mondays, Wednesdays and Fridays, talks will commence at 1-01 p.m., and on Tuesdays, Thursdays, Saturdays and Sundays, at 9-21 p.m. Endeavours have been made to secure the services of persons who are expert in the subjects chosen for broadcasting, and as the talks cover a wide field, all tastes will be suited.

SUNDAY NIGHT PROGRAMMES

IN addition to the usual relays of Church Services, the European programmes on Sundays will continue until 10-36 p.m., as on week-days, and from now on, it is proposed to make special features of BBC Recorded Programmes, other gramophone Recitals, Classical and Symphony Concerts, and Daventry relays. These latter will be of especial interest to listeners, as they include the weekly newsletter and sports summary, which is almost invariably followed by a special programme of Classical or Chamber music, played by some of the best orchestras in England.

Another interesting Calcutta feature, from October, is the formation of what one might call a Radio Dramatic Society. This band of enthusiasts have termed themselves the "Aerial Players," and number amongst their members, ladies and gentlemen of proved dramatic ability. They will produce and broadcast a weekly play, —every Wednesday night. A wide choice of plays will be presented, from the purely farcical to musical comedy, and from "straight" plays to the macabre. All these plays will be made as realistic as possible, and each mail from London, it is hoped, will bring fresh material for the "Aerial Players."

As in the case of Calcutta programmes from the beginning of this year, Indian Plays will be broadcast weekly, on Fridays. On these nights, therefore, there will be no European programmes except for the daily News Bulletin, which will be broadcast at 7-01 p.m.

RADIO PHOTOS

Readers are cordially invited to send us topical and interesting photos relating to any phase of broadcasting in India. All photos used will be paid for.

As the season advances, sporting events will once more take a prominent place in the programmes. At present, there is a lull, but with the advent of the Tennis, Cricket and Racing seasons, sports commentators will be kept busy. Regarding those sporting events which take place outside programme hours, it is proposed to make use of Calcutta's recording apparatus to reproduce them for the benefit of listeners in the evening programmes.

BOMBAY'S FARE

INDIA is noted for the frequency with which we have to say farewell. And so it will not come as a great surprise that two of Bombay's most popular orchestras are giving their farewell broadcasts during the current period. On the eighth, Joseph Neumann and his musicians are giving their last concert at the studio. And on the eleventh the Continental Quintette (of which Erwin Klein is such a prominent member) give their last recital before proceeding to Delhi to take up an engagement at the Hotel Marina. This means, of course, that listeners who tune in to Deihl will certainly have the opportunity of once more hearing this very gifted band of musicians, for we understand that Delhi has arranged for them to broadcast during the coming cold weather.

Amongst feature items on the Bombay programmes which might be singled out are the following :—

A sketch, "The Joke," especially adapted for the radio, to be given by the Bombay Amateur Dramatic Club on the 7th, preceded by a piano recital by Miss Ivy de Costa.

The band of the Durham Light Infantry makes a welcome reappearance on the 10th, and on the 5th there is a performance by the band of the St. Mary's High School.

On the 3rd the Santa Cruz Amateur Dramatic and Musical Society are making their first broadcast appearance under the direction of Fairlie Martin.

As for talks, there are several very interesting series either beginning or continuing. W. W. Russell starts a series on the "Lives of Great Men," his first selection being "Goethe" and his second "Beethoven," although we are assured that he does not intend to restrict his choice to the arts. The series "Man versus Microbe" will pursue its merry course under the direction of Lt.-Col. S. S. Sokhey, with Dr. Nazir Ahmed carrying on with his survey of "Some Recent Developments in Science," Talks on "Company Law" by Professor S. R. Davar, on "Romance in Music" by Peter Johnson, on "Communal Concord in the Days of Akbar" by Professor A. A. A. Fyze, and on "What Makes a City Great?" by R. P. Masani also figure in the programme, not forgetting E. J. Gough's reviews of "International Affairs."



Four popular Indian screen artists also go on the Bombay air during the coming fortnight in the persons of Indira Wadkar, Master Firoze Dastur, Bhai Chella, and Mastar Nissar, the latter appearing for the first time before the microphone. And for the "high-brows" there is a classical recital on the 11th by Sangit Ratna Khan Saheb Abdul Karim Khan, the always-popular singer. In the Indian dramatic section, there are no less than six short plays especially written for radio, of which two are in Gujerati, two in Hindi, and two in Marathi. As a change from the usual routine of musical programmes there is a feature programme, "In an Oriental Cafe," in which dance tunes, dialogue, and songs, all composed for the occasion, will be mixed in happy abandon. Even in talks, Bombay has gone away from the beaten track, as will be seen by mentioning only one of the new series, namely, that being given by doctors entitled, "Hints for Sensible Mothers." Incidentally, this series, like some of the others, will be given in all three languages.

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Dr. M. M. Khot, M.B. (Hon.), F.R.C.H., Kampoo (Gwalior), writes: Airclipse has really reduced aerial interference to a great degree, and it also helps the set to work without aerial.

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A series of unique talks from the Delhi Station on the peoples and countries of the frontier from Baluchistan to beyond Chittagong.

No.—1.

THE BILUCH TRIBES OF DERA GHAZI KHAN

By A. V. ASKWITH.



PERHAPS it will be best in the first instance if I explain where Dera Ghazi Khan is, and say something about the characteristics of the country. The district of Dera Ghazi Khan lies along the west bank of the Indus, south of the district of Dera Ismail Khan. Geographically it is really a southerly extension of the North West Frontier Province; but Dera Ghazi Khan is a Biluch district, not a Pathan one, and when the new Frontier Province was created in 1901 it was left under the Punjab Government.

The district is rather more than two hundred miles long from north to south, and some thirty miles wide. For its eastern boundary it has the Indus. The western boundary runs along the foot of the Suleman Range,—the great range of mountains which forms the natural frontier of India. These are the limits of the district proper, but the Deputy Commissioner of Dera Ghazi Khan also exercises political control over the tract of hill country immediately west of his district. You must, however, think of Dera Ghazi Khan as consisting of two parts; the regular district lying in the plains, along the bank of the Indus. Behind it the tribal area, a wild tract of hill country, under the Deputy Commissioner's political control.

From the point of view of physical features one ought really to think of Dera Ghazi Khan as divided into three sections rather than into two. First you have the strip along the river bank,—a fairly rich country irrigated by inundation canals. Behind this fertile strip lies the Pachadh, the open desert. In a good year it may be possible to cultivate parts of the Pachadh from the torrents which come down from the western hills; but for the most part it is a desolate waste of sand. Behind the Pachadh again lie the hills,—the Sulemans. The hill area in its way is almost wilder than the Pachadh. Occasionally a valley opens out, leaving a little flat land on which cultivation may be done with the help of hill torrent water. But such patches of fertility are few and far between. For the most part the hill tract is a jumble of bare rock, scorched black with the sun.

A fearful country in many ways, with scarcely a tree to be seen, but somehow with a strange beauty of its own. Communications are difficult, of course. In the whole of the district there is not a yard of railway line. In the eastern part, near the river, you will find roads and the ubiquitous motor bus; but if you want to see the Pachadh and the hill country you will have to

say good-bye to all forms of motor transport and get back to horses and camels. Indeed, once inside the hills you will find many places on your line of march when you will prefer to dismount and clamber on foot over the boulders, with your pony scrambling and slipping behind you.

INDIA'S HOTTEST SPOT

ONE thing more about the country. You must think of it, for six months of the year at any rate, as scorched with a pitiless sun. There are proverbs about the heat of Multan, but if you want to know what the sun can really be you must go west, cross the Indus in May or June, and travel across the Dera Ghazi Khan desert into the hills behind. Jacobabad and Multan may head the temperature charts in the newspapers, but Sakhi Sarwar, the famous pilgrimage centre at the foot of the Sulemans, would surely beat them if there was anybody there to make observations.

Numerically the Biluches form only about a third of the population of Dera Ghazi Khan, but they hold more than half the land, and it is to them that the district owes its distinguishing characteristics. If someone were to ask who the Biluches are by origin, I should have some

difficulty in answering. There indeed is an extraordinary diversity of opinion among ethnologists. The Biluches themselves say that they came from Aleppo in the XII century, journeying to India by way of Baghdad and the banks of the Euphrates. One thing is certain, that at one time the Biluches were spread over a far larger part of northern India than they now occupy.

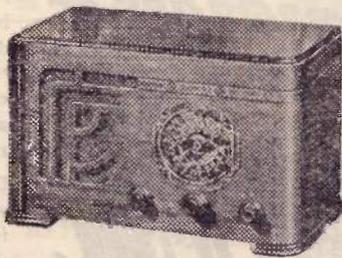
The most famous name in their history is that of the Rind Mir Chakar, who joined Humayun on his march to Delhi and whose grave is still to be seen at Satghara in the Montgomery district. The result of these incursions is to be found in deposits of Biluches all over the south of the Punjab.

In nearly every district a few families are to be found who describe themselves as Biluches by caste, though they have long since adopted the Punjabi language and Punjab dress.

But so far as the organised tribes are concerned the Biluches had retired, long before the British came to India, to their fastnesses in the hills west of the Punjab. You will find them now only in these hills behind Dera Ghazi Khan and in the country which bears their name, Biluchistan. Actually the tribes under the control of the Deputy Commissioner of Dera Ghazi Khan are some of the purest of all. There are true Biluch tribes living a little further inside the hills,—for example, the Marris and the Bugtis, who come under the Agent to the Governor-General at Quetta; but most of the other tribes in Biluchistan have some admixture of Tartar blood, and the Biluches of Dera Ghazi Khan give place to none in the purity of their stock.

A RACE OF APOLLOS

LET me try now to draw you a picture of the typical Biluch. Tall spare men, singularly handsome, with aquiline features,—a somewhat Jewish type of features, recognisable anywhere by their long hair hanging down to their shoulders in ringlets, their *gulakh* as they call it. There is another outward mark of the Biluch: he is always dressed in white. Biluches (I mean, the men) will wear nothing coloured except possibly a *Chogha* (overcoat),—but not many of them are rich enough to afford such an extravagance as an overcoat. Coloured clothes are left to the women. Another thing: the



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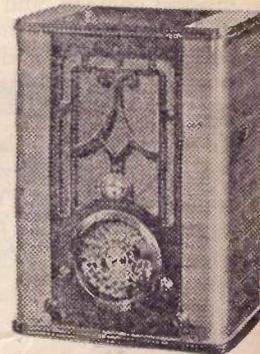
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men wear no ornaments, except perhaps a ring on the finger. (Here is a good example for Punjabis to copy). The clothes of a typical Biluch consist of a long smock of white homespun or calico, with a pair of wide pyjamas,—very wide ones. Round the shoulders (over the smock) he will probably wear a scarf, twisted into a loose rope. On top of all, a loosely wound white turban. Almost certainly he will be carrying a curved sword slung from his shoulder on an embroidered crossbelt; and in the wilder parts of the country a round leather shield studded with brass or silver. Most Biluchis own a matchlock or a gun of some kind, but these are not generally carried unless danger is apprehended.

To get the picture complete you must picture our typical Biluch riding on a mare. Everyone has heard of the Biluchi breed of horses, and every Biluch owns a mare if he can. If he



A GROUP OF TYPICAL BILUCHIS.

cannot afford a whole mare, he will own a part of one. Four men will go shares, each owning one leg. For nine months of the year each of the joint owners will have to walk, but for the other three months he will ride proudly on his own animal.

Perhaps someone may be wondering why I am speaking of Biluchi mares and will want to know whether a Biluch ever rides a horse. The answer is, No. It would be all against tradition, and a peculiar thing to do, to ride anything but a mare. The reason is that the Biluch is a fighter, with special tactics of his own. He rides to battle, but fights on foot; and he relies whenever possible on a surprise attack. He believes, probably with good reason, that mares give less trouble than horses when tied up behind the attacking line; and, most important of all, a mare is less likely to betray her master by whinnying.

A PERFECT FEUDAL SYSTEM

SPEAKING of Biluch tactics in war brings one straight on to the tribal organisation. The Biluch still lives under an almost perfect feudal system. At the head of the tribe is the Tumandar, or Chief. Traditionally every member of the tribe is bound to render military service to his Chief. The Tumandar is also entitled to receive a fixed share in all plunder secured by the men of the tribe and in the produce of their fields.

It must not be thought, however, that there is anything one-sided in these arrangements, that the Tumandar gets everything and gives nothing. On the contrary the Chief owes some very

definite services to his tribesmen in return for their loyalty. He must entertain them whenever they visit him at his headquarters or accompany him on the march. Nor is his monarchy by any means an irresponsible or unlimited one. In peace or war, before any decision of importance is taken, he is required to consult the headmen of the various sections of the tribe: the mukaddams. These headmen or mukaddams also figure in the judicial system of the tribe. It is they who form the tribal Jirga, to which the Biluch will come for justice,—justice administered according to the old customs of the tribe.

Naturally aristocratic and conservative, the Biluch cherishes these old ways with extraordinary tenacity. To him custom (*riwaj*) is everything. Let him feel that he is being judged according to his own *riwaj* and he will be happy, though the judgment go against him. Sometimes Biluchi *riwaj* follows too closely the old Mosaic law of an eye for an eye, and it has been necessary under British rule to tone down its asperities; but to this day nearly all the criminal and civil cases in the tribal area are heard in the first instance by Councils of Elders, on whose verdicts the Deputy Commissioner passes sentence or awards a decree. The legal cover for this arrangement is the Frontier Crimes Regulation, but the Regulation does no more than recognise and legalise a system of justice which had been in operation for hundreds of years before its enactment.

REAL STAY-AT-HOMES

THE extreme conservatism of the Biluch has a bad side as well as a good one. As a result of it, for example, he shows a great reluctance, almost a morbid reluctance, to leave his own hills. It is almost unknown for a Biluch to seek his fortune away from home. This trait to a large extent destroys his usefulness as a soldier of the modern pattern; I am afraid that you would find very few Biluchis in the Indian Army to-day, even in those units which are still known as Biluch regiments. The Biluchis unhappy away from home, and he finds it hard to render obedience except to his own tribal Chief. These are weaknesses in his make-up.

On the other hand he has many and great virtues. Hospitality is one of them. On a journey through Biluch country you need carry neither food nor money. The traveller can be certain of a welcome everywhere. They are a frank, good-humoured people, free from any sort of bigotry. Sometimes, I am afraid, they are even a little lax in their religious duties. There is a well-known story of a Biluch who has asked why he was not keeping the fast of Ramzan. He replied cheerfully that there was no need for him to bother himself: his Chief was keeping

it for him. The story is probably apocryphal, but it illustrates not a few Biluch characteristics.

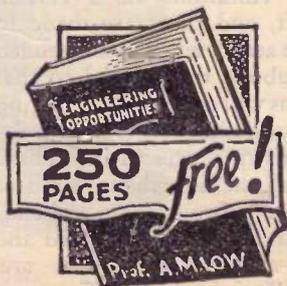
I HAD an opportunity once of seeing a part of Biluchis from Dera Ghazi Khan taken out of the natural surroundings, and it was strange how the characteristics stood out fresh and clear against the strange background. This was on the occasion of the visit of our present King, then Prince of Wales, to Lahore in the spring of 1922. One of the main items in the programme consisted of a People's Mela in the Minto Park. Representatives from every district of the Punjab came in to join in this Mela, and the Tumandars of Dera Ghazi Khan asked permission to bring in a body of tribesmen, at their own charges.

I had the privilege of accompanying them to Lahore,—nine or ten Tumandars, each attended by his headmen and a body of tribesmen; all mounted. We had a special train from Ghazi Ghat to Lahore, with horse-boxes for the animals. Entraining all these wild Biluchi mares was difficult enough, but the trouble with the tribesmen themselves most of whom had never seen a train before, was almost as great. At one intermediate station the train started to move back, shunting. It had not gone more than a few yards when all the men were out on the line, convinced that they were being taken back to Dera Ghazi Khan without seeing the Mela. The scenes at the Railway station in Lahore when our wild-looking company emerged, complete with their swords and shields, and again in the streets as they rode up to their camp near the Taksali Gate, were amusing to watch. The Lahore crowds were not a little alarmed at the strange invasion.

At last the great afternoon came when the Biluchis were paraded with the men from the other districts for inspection by His Royal Highness. On the right and in the centre were the detachments from the other districts,—representatives of most of the martial tribes in the provinces. I remember in particular the gaily clad Sowars from the Salt Range, with their long tasseled lances. Very fine they looked, and they cheered heartily as the Prince came on the parade.

Then, after he had reviewed the others, I saw him look along to the extreme left of the line where the Biluchis were posted. No bright colours there, nor tossing lances. Instead, a grim body of men, in stained white clothes, sitting well down in their saddles. I saw the Prince turn to an aide-de-camp and ask a question. Then he rode down the line to see more closely. Biluchis are not accustomed to cheer, and no sound came from those soldierly ranks; but as the Prince drew near one and all salaamed him, and I think he was proud of those lean, loyal men from one of the remoter parts of his father's dominions.

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From Microphone to Receiver



UNTIL they reach the transmitter, the electrical vibrations into which the sound vibrations in the studio have been converted have been of the same form

throughout their journey. They have been amplified at various stages, but apart from that they arrive at the transmitter as electrical vibrations which are guided along wires just as they were when they left the microphone. There has, in fact, been no "wireless" so far, and the programme has arrived at the transmitter in more or less the same way as that in which ordinary telephone conversations are carried out.

At the transmitter, however, the vibrations undergo a change. They are converted into a form which does not require wires to carry them along. The new vibrations are capable of travelling through space of their own accord without the aid of wires, just as the original sound waves were able to travel through the air in the studio.

ETHER WAVES

ALL forms of wave motion, such as sound waves in air and ripples in water, which were known before "wireless" or electrical waves were discovered, require a medium of some kind in which they can travel. Thus we have sound waves in air, and ripples in water. Hence, when it was found possible to produce electrical vibrations which could travel through space, it was assumed that space must contain some kind of medium in which such wave motion could occur. The name "ether" was given to this supposed medium. All we know about it is that it is something which permits the passage of our electrical vibrations or radio waves.

At the transmitter, then, the electrical vibrations which have been carried along wires are converted into this new type of electrical vibrations which will travel without the aid of wires. The particular feature of these new ether vibrations is that they occur at a very much greater rate than that of the original sound vibrations and the corresponding microphone current vibrations.

Audible sounds are produced by air vibrations which occur at the rate of a few per second up to 10,000 or more vibrations per second. Thus the note middle C of a piano is produced by the

In this article, which is number 3 of the series, the conversion of the microphone currents into ether vibrations or wireless waves at the transmitter is described.

piano strings vibrating 256 times a second. The note one octave below this vibrates 128 times a second, *i.e.*, at half the rate; and the note one octave above vibrates 512 times a second, *i.e.*, at twice the rate. Higher notes have correspondingly greater rates of vibration or frequency.

AUDIO-FREQUENCY HARMONICS

THESE frequencies are what are called the "fundamental" frequencies of the various notes, but the notes also contain other frequencies known as "harmonics," which are multiples of the fundamental frequency. Thus, although middle C has a fundamental frequency of 256 cycles or vibrations per second due to the strings vibrating as a whole, parts of the strings vibrate at twice, three times, etc., this frequency. The notes produced by these additional vibrations are, however, nothing like as strong as the fundamental note.

It will be seen, therefore, that harmonics of the higher notes of the piano will have frequencies extending up to some thousands of cycles per second. Similar harmonics are particularly pronounced in the case of the violin, and if the characteristics of the various musical instruments are to be preserved the broadcasting chain must faithfully reproduce all the frequencies present in the original sound. For broadcasting purpose the range of frequencies is generally taken to be from 30 to 10,000 cycles per second, although for various reasons the upper limit has often to be reduced to 5,000 c-s or even less.

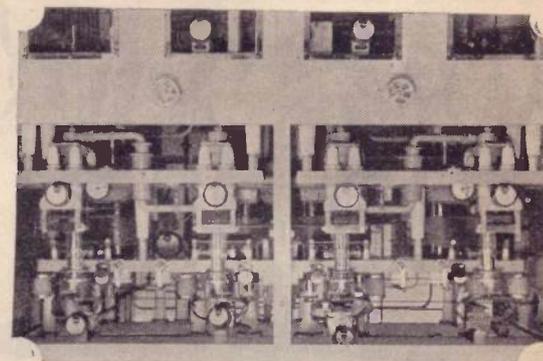
Electric currents of these frequencies (called low or audio frequencies) could be used to cause corresponding vibrations in the ether, but there are practical difficulties which prevent the adoption of such a method of broadcasting. One of these will be obvious. There would be no means of discriminating between the programmes sent out by different stations. Each station would be sending out vibrations having the same range of frequencies, *viz.*, 30 to 10,000 c-s. There are other difficulties such as the very large aerials required to produce appreciable ether vibrations at these low frequencies, in the same way that piano strings for low notes are longer than those for high notes.

CARRIER WAVE AND SIDEBANDS

IN practice, therefore, broadcasting transmitters create or radiate ether waves of much high frequencies. Each transmitter generates electrical currents or vibrations of a certain frequency allotted to it, and these are made to flow in a wire, called the aerial, which is suspended as high as practicable above the ground so that these electrical vibrations will cause corresponding disturbances in the surrounding ether and produce electrical vibrations or waves in it. These vibrations are sent out all the time the transmitter is in operation, whether a programme is being radiated or not. Their frequency is called the "carrier" frequency and the vibrations are known as the "carrier" of the transmitter.

This carrier, as its name implies, is employed to carry the programme. The electrical vibrations which have been received along wires from the microphone are used to control the strength of the carrier. Thus the strength of the vibrations composing the carrier is made to vary at low frequencies corresponding to the frequencies of the microphone currents, and by amounts corresponding to the strengths of these low-frequency microphone currents. The changes in strength of the carrier therefore correspond in every way with the original sounds picked up by the microphone.

The effect of changing the strength of the carrier in this manner, to produce what is known



A "CLOSE UP" OF THE DELHI MAGNIFIER PANEL.

as a "modulated carrier" results in the production of further ether vibrations besides those of the carrier. For example, if the sound picked up by the microphone were a single note having a pitch or frequency of 1,000 cycles per second, the strength of the carrier radiated by the transmitter would rise and fall at the rate of 1,000 times each second. This modulated carrier would now consist of three sets of ether vibrations, (1) the original unmodulated carrier, (2) a new ether wave whose frequency is 1,000 c/s greater than that of the carrier, and (3) a new ether wave whose frequency is 1,000 c/s less than that of the carrier.

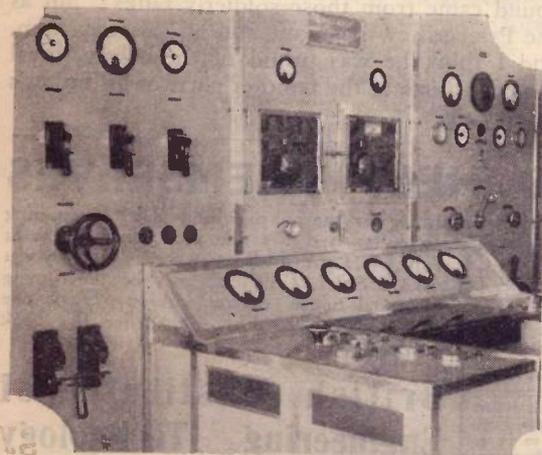
If, therefore, the programme contains vibrations ranging in frequency up to 10,000 cycles per second, the transmitter will radiate ether waves ranging in frequency from 10,000 c/s below the carrier frequency to 10,000 c/s above the carrier frequency as well as the carrier itself. These additional waves produced by the programme are called side waves or sidebands.

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THE CONTROL PANEL AT THE DELHI TRANSMITTER.

RADIOLYMPIA



Here is a general view of this year's Radio Exhibition.

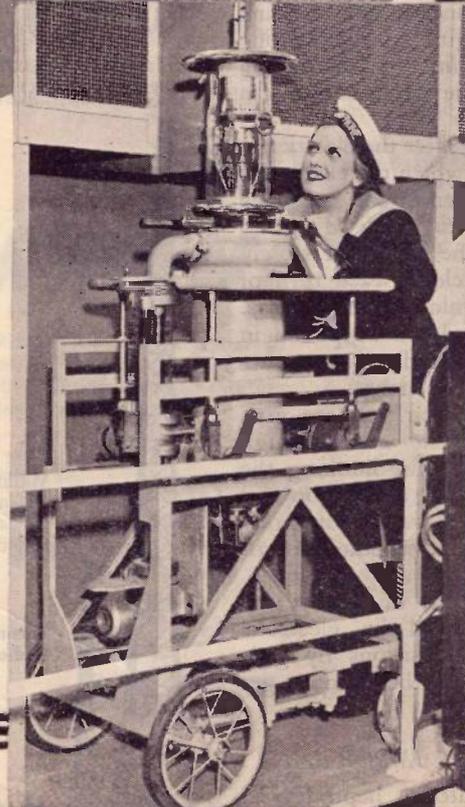
1936



Examining the working of a Battery Set High Tension Eliminator, which does away with the use of H.T. Batteries.



The first view of a television receiver. It certainly looks easy to manipulate, but—well, it's a complicated affair inside, according to the detailed reports.



This is the largest radio valve in the world. It is worth £1,500, and is so delicate that it has to be wheeled about in a pram. (Note.—The valve is the object on the left.)

A Radio Cabinet of mirrors which was one of the surprise exhibits. It has both advantages—and disadvantages.

How Valves Are Made

By K. D. RODGERS.

THE modern radio valve is, in one sense, one of the most delicate pieces of electrical mechanism and in another one of the most robust.

Its delicacy lies in the fact that the mutual positions of all the parts—anode, grid or grids, and cathode—must be exact if anything like standardisation of results is to be obtained, and the exact shape and size of each part are of paramount importance.

Its robustness lies in the strength of the glass envelope which contains the electrodes, and in the very rigid way in which these are fixed in position. The latter fact being a result of a desire to gain electrical constancy rather than mechanical strength for its own sake.

If you take a modern type valve, let in the air by breaking the pip, and then carefully smash the glass so that the electrodes are not disturbed, you will be surprised at the pains that have been taken to make everything rigid, and at the small spaces between the parts. These small spaces are deliberate.

They do not arrive just because the makers want to have a small valve, but because they want efficiency. And efficiency comes with close spacing of electrodes and accurate spacing and design.

MORE ACCURATE THAN MEN

IT is because the spacing has to be so close, and the electrodes are so small, that girls are employed almost without exception in the construction of radio valves. Their fingers are more agile and delicate than those of men, and they are able to handle and fix the various small parts more quickly and with more accuracy than the male worker.

So if you visit any valve concern you will find hundreds and hundreds of girls sitting on long benches or grouped round weird-looking machines, all doing some little job in connection with the construction of the valve.

Some girls may be looking after the electrically heated hydrogen furnaces in which the electrodes are "cooked" to 1000° centigrade to drive off every trace of oxygen or oxidised metal. Others are busy winding the grids on slowly revolving machines, spot welding each turn of nickel wire as it goes over the nickel grid supports. Others make the anodes, ready to be placed in position when the partly finished valve reaches them on its journey down the benches.

Farther along the factory you will see girls threading the hair-like filament wire through the partly assembled valve stems, hooking the fine wire over the spring hooks at the top and threading it in and out of the various supports which keep it in even tension, whether hot or cold.

Before this stage is reached, of course, the glass pinch has to be made, and the electrode supports are fixed in exact positions by girls who have special jigs so that they cannot get the spacing wrong.

ELECTRODE RIGIDITY IS IMPORTANT

TRIODES, tetrodes, pentodes, heptodes, all are made by girls, the different types of valves going along different tables on their way from the commencement of construction with the

The accompanying article answers a question which a number of readers have recently asked.

HOW THEY ARE ASSEMBLED

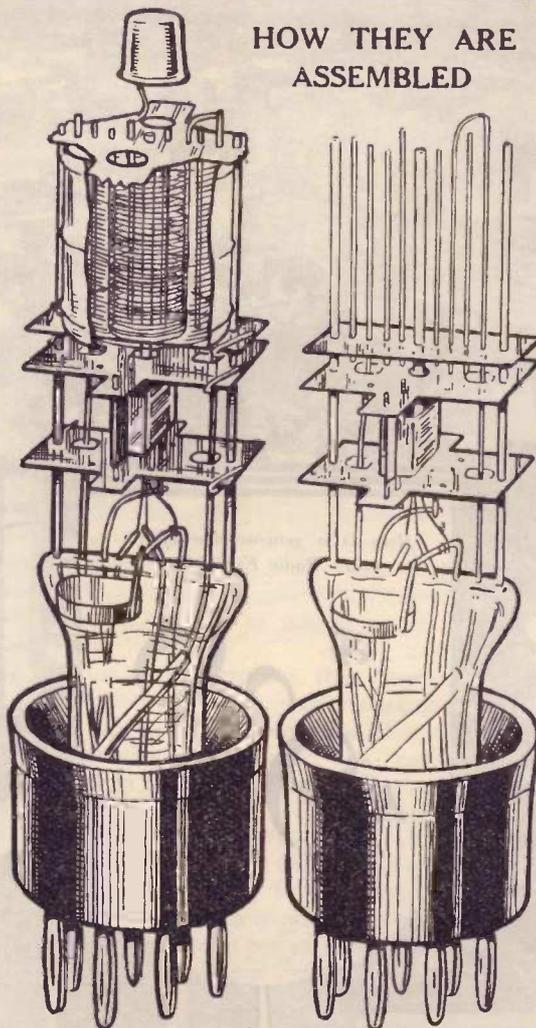


FIG. 1.—VIEWS OF A DISMANTLED TRIODE-HEXODE. IN CONSTRUCTION THE GLASS BULB IS FIXED IN PLACE BEFORE THE ACTUAL BASE.

pinch to the final building up and subsequent exhaustion on the vacuum pumps.

Different makes of valves have different types of construction, of course, but makers are all agreed that electrode rigidity is of supreme importance. So you will find that at the top of most valves nowadays there is a piece of mica which is used to anchor the various electrode supports.

Not so long ago the supports were anchored only at the pinch end; now they are rigidly supported and spaced from one another by mica. In many valves this is wedged into the glass envelope when the valve is nearly complete and forms an absolutely rigid anchorage.

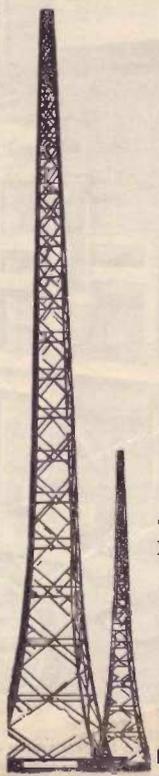
The sketch Fig. 1 shows a complete typical triode-hexode, a special mixer valve which is a good example of compact planning and construction.

There are seven pins to this valve, and the first step in its construction is the formation of the glass pinch (Fig. 2) with its eight supports. Of these the two outer ones are for the anode of the hexode portion, the next two for two of the hexode grids, one for each, the next two are for the anode of the triode portion and for cathode connection (on which is also suspended the cup containing the gettering).

The remaining two leads through the pinch go to the two ends of the filament or heater, for the valve is of the indirectly heated type. There is a further set of supports through a mica piece situated below the large anode of the hexode portion, and these supports look after the two hexode grids we have already mentioned and also the inner grid, or control grid of the hexode. This latter is also connected to the cap at the top of the valve.

THE FINAL STAGES

THE valve is built up by the girls bit by bit, commencing with the filament and cathode. Then the triode portion is assembled with the necessary supports protruding upwards as required for the hexode part. The mica strengthening pieces are put on, and last of all



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the hexode grids are placed in position with the cylindrical anode round them and the top mica piece is fixed in position.

At this stage the valve is ready for its bulb, and it is cemented into the bulb by heat from gas rings as it goes round a special revolving machine. The glass join must be properly annealed or it will crack when cold.

At the bottom of the pinch is a glass tube connecting with a hole at the top of the pinch, through which the air is drawn when the valve is to be evacuated. This process is done on special pumps, while the valve has its heater on, and a high-frequency field is passed through the whole valve by a coil surrounding the bulb. This has the effect of heating all the electrodes and making them give off any air which may have occluded on the metal. Finally such a heat is reached while the bulb is still being pumped free of air that the gettering material, a magnesium-like substance, flashes off. It burns rapidly forming an oxide with the last traces of oxygen in the bulb.

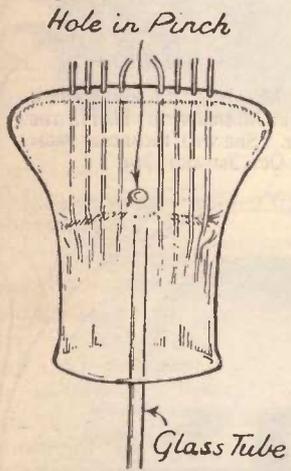


FIG. 2. A CLOSE-UP OF A VALVE PINCH SHOWING THE GLASS TUBE THROUGH WHICH THE AIR IS WITHDRAWN.

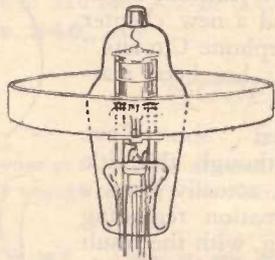


FIG. 3. THE ELECTRODES ARE ELECTRICALLY HEATED BY A HIGH-FREQUENCY COIL TO REMOVE ALL TRACES OF GAS.

This finishes the evacuation process, and valve is ready for capping. This is merely the placing of the moulded base with its seven pins on the bottom of the bulb. But before that can be done the bulb must be sealed so that no air can get into it. This is done automatically while the valve is still on the pumps.

FITTING THE BASE

THE valve is mounted on its base by means of a special cement, and the wires from the electrodes are passed into the pins and soldered at the ends. The valve is complete. All that has to be done now is to test it, and if it passes the tests for emission and characteristics it is ready for boxing and dispatch—*Popular Wireless*.

RADIOLYMPIA ?

If you are interested in this year's Radio Exhibition, turn to page 949, and see the first official pictures of this very popular show of the latest designs and gadgets.



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Everyone really interested in Radio should have a copy of the Philips "Miniwatt" Valve Price List. This booklet gives you the curves and characteristics of "Miniwatt" valves and supplies the Radio enthusiast with most valuable data.

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Books Reviewed...

"SHORT-WAVE WIRELESS COMMUNICATION."

By A. W. LADNER, A.M. INST.C.E., AND C.R. STONER, B.SC. (ENG.), A.M.I.E.E.
(Third edition.)

HERE is a book which should prove extremely valuable to any one interested in the development of short-wave communication. There are few books devoted exclusively to short-wave technique and the present work of the authors is certainly the most comprehensive on the subject have we seen. The value of this book is best indicated by the fact that the third edition has been called for so quickly.

In the preparation of the new edition, much of the text has been revised and a new chapter on "Commercial Wireless Telephone Circuits" added. The chapter on aerials has been rearranged and somewhat enlarged.

It may also be mentioned that "Short-Wave Wireless Communication," although the title suggests a more limited scope, actually gives a considerable amount of information regarding medium and long wave working, with the result that the book should prove extremely valuable both to trained Engineers and scientific amateurs not primarily concerned with short-wave wireless communication.

"TELEVISION RECEPTION."

Construction and operation of a Cathode Ray Tube Receiver for the reception of ultra-short wave Television Broadcasting.

By MANFRED VON ARDENNE
Translated by O. S. PUCKLE, A.M.I.E.E.

THE need for collected information on television reception has long been felt by the amateur and the technical worker, and this book by Manfred von Ardenne, who has worked for years on the development of television and was the first person in Europe to produce high definition television pictures with the cathode ray tube, is therefore very opportune.

The subject is presented in clear language with a very minimum of mathematics, and is copiously supported by pictures. It opens with a general discussion on the requirements which must be fulfilled in order to provide a satisfactory television service, and gives a good deal of information on the transmitters installed at Alexandra Palace.

The construction and properties of cathode ray tubes for television reception are next discussed in detail, and then a chapter deals with time bases and the methods adopted for synchronizing them from the received signals. The separation of the synchronizing signals from those carrying the picture information, the operation of the rectifier and the descriptions of picture and sound receivers are fully treated, including the important question of aerials and feeders. Faults in time bases and methods of diagnosing and rectifying them and the causes of those faults which produce various visible forms of distortion in the received picture, are also clearly explained.



THIS NOTED FILM STAR, MISS INDUBALA, HAS RECENTLY BEEN APPOINTED COURT-MUSICIAN TO H. H. THE MAHARAJA OF MYSORE. SHE WILL BROADCAST FROM CALCUTTA ON OCT. 3RD AND 12TH.



DR. JAMES C. MANRY, SHOWN HERE, HAS BEEN A MOST INSTRUCTIVE BROADCASTER FROM THE DELHI STATION.



THIS IS MR. SATYAMURTI, M. L. A., WHOSE RECENT BROADCAST ON THE WOES OF A POLITICIAN SET INDIA AGOG WITH BOTH CRITICISM AND APPROVAL.



THIS IS K. C. DEY, BENGAL'S FAMOUS BLIND SINGER, WHO WILL BROADCAST FROM CALCUTTA ON OCT. 6TH AND 14TH.



MISS KAMALA OF JHARIA, WHOSE VOICE WILL BE ON THE AIR FROM CALCUTTA ON OCT. 4TH AND 14TH.



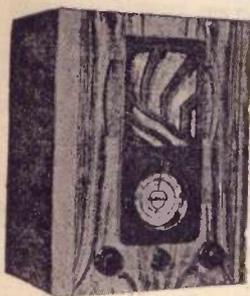
YET A THIRD CALCUTTA STAR—IN THE PERSON OF MISS RADHARANI, POPULARLY KNOWN AS "THE NIGHTINGALE". SHE WILL BE HEARD IN "THE CALL OF THE EARTH" ON OCT. 6TH.

Mullard

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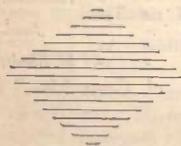
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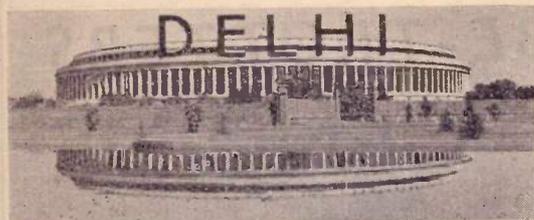
THE Publisher of the "Indian Listener" will not be responsible for the exclusion of any Advertisement, nor errors which may appear in any Advertisement, through delay in sending copy or the return of Proofs to the Printers. The attention of Advertisers is drawn to the dates given below, which will be strictly adhered to.

PUBLICATION DATES 7th and 22nd of each month.

Copy for the issue of the 7th to be sent to Printers not later than the 25th. After receipt of Proof Advertisers must return same not later than the 1st of each month.

Copy for the issue of the 22nd to be sent to Printers not later than the 12th. After receipt of Proof Advertisers must return same not later than the 16th of each month.

❧ BLOCKS which have to be included in the Advertisements must be sent along with the copy. ❧
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VUD 340.13 metres, 822 kc/s.

TRANSMISSION I.

- a.m.**
8-0 Time Signal.
 Naat By RASHID AHMAD of Panipat. Accompanied by Qanun, Sur Bahar and Tabla.
8-10 AIR Orchestra - Surashtar.
8-20 Asad Ali Khan. *Khayal Todi* Mian Khan. Afzal Husain. *Thumri Bhairvin*. Hamid Husain. *Dadra*.
8-45 Talk (*Hindustani*): "Famous Hindi Books." No. 3. Sur Sagar. By Mrs. RAM SINGH.
9-0 Master Mahboob. *Qawali*. Accompanied by AIR Artists.
9-15 Ghulam Sabir. *Sarangi—Gandhari Todi*.
9-25 Rashid Ahmad of Panipat. "Gham-i-firaq ne kia hal kar diya dil ka Suno to arz karun tum se majra dil ka." (*Rind*).
9-35 Master Mahboob. "Ya Rab mujhe bulae woh ya ap a mile, Matlab bar ain dil ke mera mudaa mile." (*Rind*).
9-45 More Data Main Tore Dwar. (A Chorus). Accompanied by Sarangi, Violins, Dhruba and Tabla.
9-53 Malang Khan. *Sitar—Bahaduri Todi*.
10-0 Close down.

TRANSMISSION II.

- p.m.**
12-30 Time Signal.
Indian Recorded Music.
 INDRA BAI (Wadkar) - From "Chhya."
 K. C. DAY - "Puran Bhagat."
 SAIGAL - "Mahudi ki Larki."
 OMA and PAHARI SANYAL - "Dhup Chhaon."
 PAHARI SANYAL and SAIGAL - "Karwan-i-Hayat."
 K. C. DAY - "Dhup Chhaon."
 SAIGAL - "Puran Bhagat."
 RAJ KUMARI, SAIGAL and SANYAL - "Karor Pati."
 OMA and SANYAL - "Chandi Das."
 SAIGAL - "Dev Das."

- 1-30** Time Signal.
"Bright Hours."
 (A Recorded Programme.)
 HERMAN FINCK and HIS ORCHESTRA - (Columbia 9836).
 Fantasia "Waldteufel Memories" (Parts 1 and 2).
 MARIO HARP LORENZI and HIS RHYTHMICS. (FB-1284).
 "A Beautiful Lady in Blue."
 "Everything stops for Tea."
 DEBROY SOMER'S BAND - (Columbia 9881).
 "Lionel Monckton Memories" (Parts 1 and 2).
 PLAZA THEATRE ORCHESTRA - (9196).
 Humouresque "A Musical Switch."
 J. H. SQUIRE CELESTE OCTET - (9768).
 "Peter Pan" (Parts 1 and 2).
 HERMAN FINCK and HIS ORCHESTRA - (DX-233).
 "The Song of the Drum" (Parts 1 and 2).
 DEBROY SOMER'S BAND WITH CARLYLE COUSINS AND DAN DONOVAN.
 "The Big Broadcast" (Parts 1 and 2). (DX-445).
 VICTORIA ORCHESTRA - (C-1896).
 "Espanita."

2-30 Close down.

TRANSMISSION III.

- 5-30** Time Signal.
 AIR Orchestra. "Mori Patli Kamar."
5-40 A. Ali. *Khayal Mullani—Titla (Bilampit.)*
5-55 Sabiri. *Sarangi—Pilu*.
6-0 Master Mahboob. "Chot dil ki wahin ubhar ar Jab hansai ankh bhar ai." (*Dagh*).
6-10 A. Husain. *Thumri Pilu*. "Sanwariya man bhaiyo re banko yar."
6-20 1st News and Weather Report (*Hindustani*).
6-30 1st News and Weather Report (*English*).

Thursday, 1st October

- p.m.**
6-40 Rashid Ahmad of Panipat. "Pi to leta hun magar pine ki woh baten gain Woh jawani woh siyah-masti woh barsaten gain." (*Hafeez*).
 "Chahiye achhon ko jitna chahiye Yeh agar chahen to phir kia chhiye." (*Ghalib*).
7-0 Barg Tarang. (A new use of a leaf of a tree). By MALANG KHAN.
7-10 Master Mahboob. *Thumri Tilang*. "Sajan tum kahe ko nainan lagae."
7-20 Rashid Ahmad of Panipat. "Paikan hi tire tir ka pailhu men dar ae Thanda ho kaleja kahin umid bar ae." (*Amir Minai*).
7-30 "For Villagers Only." (Delhi Market Rates at 8 p.m.)
8-30 Talk (*Hindustani*): "The Jungle Book" No. 5. The Bengal Tiger. By MIR MOHAMMAD HUSAIN.
8-45 *Dijoli Ghose. *Bengali and Hindi Music*.
9-0 *Simla Hill Songs.
9-15 2nd News and Weather Report (*Hindustani*).
9-30 Time Signal.
 2nd News and Weather Report (*English*).
9-45 Talk (*English*): "The Way of the World." No. 5. Current Events in the Middle East. By PROFESSOR MOHAMMAD HABIB, Head of the Department of History, Muslim University, Aligarh.
10-0 *A Variety Programme. (Arranged and directed by F. AUSTIN.)
 THE B. M. G. ORCHESTRA. March "Valencia."
 DAGMAR JUDD and MR. DEBENHAM. (*Duet*). Plantation melody "De Lady Moon."
 KATHLEEN BATEMAN. Piano Solo "You tell 'em Ivories."
 DAGMAR JUDD. Song.
 F. AUSTIN, P. BATEMAN and MRS. AUSTIN. Banjo Trio "A Banjo Oddity."
 DAGMAR JUDD. Hawaiian Serenade "Luana."
 D. JUDD, MESSRS. AUSTIN and BATEMAN. Guitar and Ukelele Trio "Coral Isles."
 F. AUSTIN, N. GABBIN, P. BATEMAN. "Hula Medley."
 KATHLEEN BATEMAN. Piano Solo "Kinda Carless."
 THE B. M. G. TROUPE. Polka March "La Luna."
 DAGMAR JUDD and TROUPE. Finale "Dixie Land."
 N. DE MONTE, K. BATEMAN, MESSRS. DEBENHAM, WARD and BATEMAN. Chorus.
11-0 Close down.
 *Relayed from our Simla Studio.

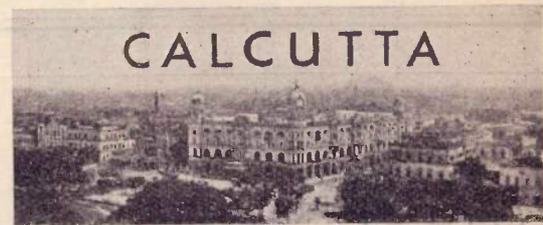


VUB 350.9 metres, 855 kc/s. 31.36 metres, 9565 kc/s.

- a.m.**
11-30 Marathi Songs
 By SUNDRABAI
 With Sarangi, Harmonium and Tabla.
p.m.
12-15 Clarinet Solos
 By SHEIKH MOHOMED.
12-30 Gazals
 By H. H. HASHIM.
 Accompanied by the VUB Indian Orchestra.
1-0 Available Market Rates.
A Recorded Programme.
 (H.M.V.)
 B. B. C. SYMPHONY ORCHESTRA. Overture "Carnival Romain."
 BENIAMINO CICLI. (*Tenor*). "Plaisir D'amour."
 "Elegie."

- MAREK WEBER AND HIS ORCHESTRA. Waltz "Faust."
 "Waltz "Golden Rain."
 PAUL ROBESON. (*Bass*). "Mah Lindy Lou."
 "Ma curly-headed Baby."
 MICHA ELMAN. (*Violinist*). "Serenade "Drigo."
 "Serenade "Drda."
 PICKLER'S HUNGARIAN ORCHESTRA. "Kashmiri Song."
 "Hungarian Folk Song."
 PETER DAWSON. (*Bass baritone*). "Peter Dawson's Party."
 STRAND THEATRE ORCHESTRA with "1066" Quartet. "1066 and All that."

- p.m.**
2-0 Close down.
6-0 Relay from Central Cinema. (By kind permission of the Management.)
6-30 AUNTIES MARION AND ZENA. A Talk on Rice Fields. Riddles and Songs.
7-0 A Giuseppe Verdi Recorded Programme. Selection from Aida-Einani and Trovatore.
8-0 The Continental Quintet.
 Overture - "In the Realm of the Indra" - P. Link.
 Fantasia - "Madame Butterfly" - G. Puccini.
8-30 Commercial News and News in Hindi.
9-0 The Continental Quintet (Contd.)
 Waltz - "Wiener Burger" - C. M. Ziehrer.
 Suite - "East Asia" - Yoshitomo.
 "Parade of the Tin Soldiers" - Jessel.
 Potpourri - "From Rhine to Danube" - M. Rhode.
9-30 Talk (*English*): "Lives of Great Men." No. 1. Goethe. By W. W. RUSSELL.
9-45 News in English.
10-0 Light Music.
 SB By FIROZ DASTOOR. Accompanied by the VUB Orchestra.
11-0 Close down.



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

- p.m.**
12-36 Time Signal.
 SB "The Radio Sextette."
 A Light Instrumental Programme from the Studio. Calcutta Weather Bulletin for Oceancraft and Rivercraft.
1-36 Talk (*Bengali*): "Jahanara Begum." By SHAHADAT HOSSEIN.
2-6 *Musical Selections.
2-36 Talk (*Bengali*): "Health Giving Plants." By BISHNU SARMA.
3-6 Time Signal. Close down.
5-6 Time Signal.
 Talk (*Bengali*): "Our Wealth in Cattle—Cattle Breeding in India." By MANORATH MANNA.
5-16 Bhatiali Song By SURENDRA CHANDRA CHAKRAVARTY.
5-31 Talk (*Bengali*): "Easy Remedies." By KAVIRAJ HARI NATH SEN.
5-36 Ramprosadi Song By BHABATOSH BHATTACHARYA.
5-51 Religious Song By PRAFULLABALA.
6-6 Modern Bengali Song By PROVABATY.
6-21 Bengali Song Toppa Style. By SIDDHESHWAR MUKHERJEE.
6-36 "Sanjher Sur."
 By members of the Basanti Bidya Bithi. Organized by RATNESWAR MUKHERJEE and JAGAT GHATAK.
 PART I.
 THE CHILDREN'S CHOIR. Hymn. BINAPANI DEVI. *Madhupur Dhrupad*. SUNITI DEVI. *Dacca Kheyal*.

All Times are given in Indian Standard Time.

INSTRUMENTAL DUET. *Esraj*.
 "Sisters Two" *Mymensingh*.
 "Farewell to Twilight" *Bengali Song*.
 SHILPA SIRCAR. *Barisal*.

PART 2.

UMA MITTER. *Thungri*.
 ILA GHOSE. *Modern Bengali Song*.
 TUSHAR PAL. *Bhatiali*.
 SHAMALI RAKSHIT. *Sree Ram Nam*.
 BHARATI MAZUMDAR. *Shyama Sangit*.
 SUPRITI MAZUMDAR AND REVA SHOME. *Bhajan Kirtan Duet*.

SUPROVA GHOSH AND OTHERS. *Leela Kirtan*.

Accompanists :

KARTIC CHATTERJEE, BACHOO MISRA.
 BRINDABAN MULLICK, and others.

- p.m.
 8-6 **Topical Talk (Bengali)** : "Radio and Rural India."
 By DR. KALIDAS NAG.
 8-21 **Vocal Music (In Bengali)**. Kheyal.
 By MALKOSH RATHIN CHATTERJEE.
 8-41 **Commercial News and Weather Report (In Bengali)**.
 SB
 8-46 **News in Bengali**.
 SB
 9-1 **Commercial News and Weather Report (In English)**.
 SB
 9-6 *Time Signal*.
 SB **News in English**.
 9-21 **Talk** : "The Art and Artists of Venice."
 By C. F. HOOPER.
 SB
 9-30 **A Light Studio Concert**.
 SB
 FREDA GRAY. *Soubrette*.
 DISMAL DESMOND. *Comedian*.
 TOMMY TUCKER. *Songs at the Piano*.
 CYRIL TRENT. *Syncopated Pianist*.
 10-36 *Time Signal*. *Close down*.
 *Gramophone Records.



TRANSMISSION 5.

GSP 15.31 Mc/s (19.60 m.), GSD 11.75 Mc/s (25.53 m.),
 GSC 9.58 Mc/s (31.32 m.).

- a.m.
 4-30 **Big Ben. "The Round Trip."***
 A sea voyage in sound by Michael Reynolds, D. A. Stride, and James Eccles. Produced by William MacLurg.
 5-11 **Talk.***
 5-26 **Chamber Music**.
 The Isolda Menges String Quartet.
 6-10 **The News and Announcements**.
Greenwich Time Signal at 6-15 a.m.
 6-30 *Close down*.

TRANSMISSION 6.

GSP 15.14 Mc/s (19.82 m.), GSC 9.58 Mc/s (31.32 m.).

- a.m.
 7-30 **Big Ben. Light Programme.***
 8-11 **A Recital**
 Of Stanford's Songs, by Franklyn Kelsey (Baritone).
 8-34 **The BBC Dance Orchestra.***
 Directed by Henry Hall.
 9-10 **The News and Announcements**.
Greenwich Time Signal at 9-15 a.m.
 9-30 *Close down*.

TRANSMISSION 1.

GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.).

- 11-45 **Big Ben. The BBC Dance Orchestra.***
 Directed by Henry Hall.
 p.m.
 12-15 **"Concert in Camera."***
 A musical burlesque written by David Kean. A picture of one side of life in London during the year 1897. Production by William MacLurg.

Thursday, 1st October

- p.m.
 12-50 **Talk.***
 1-5 **Novelty Instrumental Recital**.
 1-25 **The News and Announcements**.
Greenwich Time Signal at 1-30 p.m.
 1-45 *Close down*.

TRANSMISSION 2.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.).

- p.m.
 4-30 **Big Ben. Jack Helyer, at the Organ of the Ritz Theatre**, Nottingham.
 5-0 **A Talk**.
 By the Empire Programme Director.
 5-15 **A Ballad Concert**.
 5-45 **"The Round Trip."***
 A sea voyage in sound by Michael Reynolds, D. A. Stride, and James Eccles. Produced by William MacLurg.
 6-25 **Musical Interlude.†**
Greenwich Time Signal at 6-30 p.m.
 6-30 **The News and Announcements**.
 6-50 *Close down*.

TRANSMISSION 3.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.),
 GSF 15.14 Mc/s (19.82 m.).

- p.m.
 7-0 **Big Ben. The BBC Empire Orchestra**.
 Leader, Daniel Melsa; conductor, Eric Fogg. Jean Pougnet (Violin). Orchestra : Overture to a Marionette Play (Weinberger), Merok (Geiranger) (Eric Fogg), Jean Pougnet and Orchestra : Concerto No. 4 in D : (1) Allegro (2) Andante cantabile (3) Rondeau, Andante grazioso leading to Allegro ma non troppo (Mozart). Orchestra : Three Fantastic Dances : (1) Exaltation (2) Ensueno (3) Orgia (Turina).
 8-0 **A Talk**.
 By the Empire Programme Director.
 8-15 **The Central Band of His Majesty's 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. From the Royal Air Force Headquarters, Uxbridge. Selection, Songs of the Hebrides (Kennedy-Fraser). Finale, Symphony No. 5 (Beethoven). Suite for Military Band : (1) March (2) Intermezzo (3) Finale (Jacob). The Old Superb (euphonium soloist, Sergeant J. Wilson) (Stanford). Selection, I Give my Heart (Millocker). Galopade, Cafe chantant (Fletcher).
 9-0 **Variety.***
 9-25 **The News and Announcements**.
Greenwich Time Signal at 9-30 p.m.
 9-45 **Jack Payne with his Band**.
 10-30 *Close down*.

TRANSMISSION 4.

Three of the following frequencies will be used :
 GSG 17.79 Mc/s (16.86 m.), CSO 15.18 Mc/s (19.76 m.),
 GSF 15.14 Mc/s (19.82 m.), GSD 11.75 Mc/s (25.53 m.),
 GSB 9.51 Mc/s (31.55 m.).

- p.m.
 10-45 **Big Ben. A Talk**
 By the Empire Programme Director.
 11-2 **A Brass Band Concert**.
Greenwich Time Signal at 11-30 p.m.
 11-30 **The News and Announcements**.
 11-50 **"A Syncopated Serenade"***
 With Harry Gordon and Bob Busby, Gerry Fitzgerald, and Dorothy Carless.
 a.m.
 12-10 **Musical Interlude.†**
 12-15 **The BBC Singers**.
(Section A) ; conductor, Leslie Woodgate. When Icicles Hang by the Wall (Geoffrey Shaw). Sweet Day, so Cool (Edward German). In Youth is Pleasure (Herbert Howells). A Litany (William Walton). As Dew in Aprille (Warlock). To Blossoms (Harold Darke). Who Can Live in Heart so Glad? (Austin). Weep you no more. Sad Fountains (Moeran). Soul's Joy, now I am Gone (Ethel Smyth). Love's a Flower (Dalmaine). To a Tree (Stanford). Evenen in the Village (Balfour Gardiner). Pack, Clouds, Away (Gordon Jacob).
 12-50 **Will C. Pepper's "White Coons."**
 A concert party show, revived and produced by Harry S. Pepper. (At the pianos : Harry S. Pepper and Doris Arnold).
 1-50 **A Short Recital**.
 By Edith Penville (Flute) and Maude Melliar (Oboe). Maude Melliar : Suite, In the Olden Style : (1) Minuet (2) Sarabande (3) Gavotte (Kronke). Edith Penville : Bourree (Scarlatti, arr. Revell), Les cygnes (The Swans), Les ecrevisses (The Squirrels)

(Busser), Variations drolatiques (Humorous Variations) (Anderson), Maude Melliar : Tarantella (Saint Amory).

- p.m.
 2-10 **The News and Announcements**.
 2-30 **The London Zigeuner Orchestra**.
 Directed by Ernest Leggett, Wonder Bar (Katscher), Your Heart and Mine (Bloom), Valzer della Fisarmonica (Lazzaro), Mia Donna Juanita (Carolos).
 2-50 **A Programme of Waltzes.†**
 3-0 **Sonata Recital**.
 By Kathleen Moorhouse (Violoncello) and Frank Merrick (Pianoforte). Variations Concertantes, Op. 17 (Mendelssohn). Sonata in F, Op. 99 : Allegro vivace ; Adagio affettuoso ; Allegro appassionato ; Allegro molto (Brahms).
Greenwich Time Signal at 3-30 a.m.
 3-45 **Bram Martin and his Dance Orchestra**.
 From the Holbron Restaurant, London.
 3-57 **A Talk**.
 By the Empire Programme Director.
 4-15 *Close down*.

* Electrical recording. † Gramophone records.

GERMANY (Berlin)

DJA 31.38, DJQ 19.63, DJN 31.45, DJE 16.89.

- 10-40 a.m. Light Concert. 11-45 a.m. Light Concert (contd.) 12-30 p.m. News and Economic Review in English. 12-45 p.m. To-day in Germany. Sound Pictures. 1-0 p.m. A variety hour. Over the Waves. 2-15 p.m. New German Entertainment Music. 3-15 p.m. Hitler Youth Programme : Festival Hour.
 4-30 p.m. Concert of Light Music. 5-30 p.m. News in English. 5-45 p.m. Greetings to our Listeners in the Far East. 5-50 p.m. Concert of Light Music (contd.). 6-45 p.m. Chamber Music. 7-30 p.m. News and Economic Review in English on DJE, DJQ. 7-45 p.m. To-day in Germany. Sound Pictures. 8-0 p.m. News Review. 8-15 p.m. Symphony Concert. 9-30 p.m. *Close down*.

FRANCE (Radio Colonial)

Wavelength 19.68 m. and/or 25.24 m.

- 11-30 a.m. Relay from P.T.T. Transmitter. 11-50 a.m. Market Prices, Rates of Exchange. 12 noon. Records. 12-10 p.m. Relay from P.T.T. Transmitter.
 12-25 p.m. Records. 1-0 p.m. Talk on Events in France. 1-15 p.m. Records. 1-45 p.m. News in French. 2-15 p.m. News in English. 2-30 p.m. *Close down*.
 3-25 p.m. Day's Programme. 3-30 p.m. Relay from Radio-Paris—Concert. 4-30 p.m. News in English. 4-45 p.m. Concert-Relayed (contd.). 5-15 p.m. News in French. 5-45 p.m. Concert-Relayed (contd.). 6-30 p.m. International Talk, by Mr. Jacques Kayser. 6-40 p.m. Talk on Music, by Mr. Charles Oulmont. 6-50 p.m. Colonial Market Prices, Rates of Exchange. 7-0 p.m. Concert. Chamber Music with the Capelle Quartet. 8-25 p.m. Rates of Exchange and French Stock (Rentés). 8-30 p.m. *Close down*.
 9-45 p.m. News in French, Market Prices, Rates of Exchange. 10-30 p.m. Concert-Relayed. 11-0 p.m. Relay of Radio-Journal of France (French News). 11-20 p.m. Talk. 11-30 p.m. Concert ; Records. 12 midnight. News in English. 12-30 a.m. News in French, Market Prices. 1-0 a.m. Relay. 3-30 a.m. *Close down*.

HOLLAND (Phohi)

Wavelength 16.88 Metres.

- 6-30 p.m. Opening announcement. 6-40 p.m. Music. 6-45 p.m. Latest News from Holland. 7-0 p.m. The Twinkling Three to an accompaniment of Jack Miller. 7-20 p.m. Declaration. 7-40 p.m. Music. 7-55 p.m. The Twinkling Three (contd.). 8-15 p.m. Talk on books. 8-30 p.m. *Close down*.

ITALY (Rome)

Wavelength 25.40 and/or 31.13 Metres.

- 5-13 p.m. Varied programmes. 6-45 p.m. Music. A talk on "Postumia." 7-30 p.m. News in English. Broadcast of operatic music. 10 p.m. Symphonic concert. Vocal concert. Marcella Magno, soprano. Concert. Cetra Orchestra. 11-10 p.m. Concert of Arabian music. 11-30 p.m. Varied programmes.

All Times are given in Indian Standard Time.



DELHI

VUD 340.13 metres, 822 kc/s.

TRANSMISSION I.

- a.m.**
8-0 Time Signal.
Recitation from the Quran-i-Sharif.
- 8-10** AIR Orchestra. *Hajeej.*
- 8-20** Mohammad Shafi of Delhi.
 "Ai zabt dekh ishq ki un ko khabar na ho
 Dil men hazar dard uthe ankh tar na ho." (Amir Minai.)
- 8-30** Asad Ali Khan. *Khayal Lali—Ektala (Bilampit.)*
- 8-40** Botal Tarang. (A new use for bottles.)
 By KARRAR HUSAIN.
- 8-45** Talk (Hindustani): "Constitutions of the World."
 No. 5, U. S. S. R.
 By I. H. QURESHI.
- 9-0** Khamsa-I-Hamdiya. *Bhairvin.*
 "Jo dil men chhupa hai khuda ki qasam."
 By IRSHAD ALI.
- 9-10** Hamid Husain.
 "Madine men mera piya bala re hai." *Thumri Bhairvin.*
- 9-20** Mohammad Shafi.
 "Rag rag men dil tha dil men nihari soz-o-saz tha,
 Woh din bhi kia thi jab main sarapa gudaz tha."
 (Jigar.)
- 9-30** Malang Khan. *Sitar—Khat.*
- 9-40** Hamid Husain.
 "Tera chhor kar jo keh dar paenge
 Jiyenge woh kia khak mar jaenge." (Majruh.)
- 9-50** Mohammad Shafi.
 "Har dard ki dawa hai Rasul-i-Khuda ke pas
 A jaen kash woh dil-i-dard ashna ke pas". (Bekhud.)
- 10-0** Close down.

TRANSMISSION II.

- p.m.**
12-30 Time Signal.
Indian Recorded Music.
- | | | |
|-------------------------|--------------|---------------|
| ANGURBALA | Vocal | (P-10627) |
| CHATTERJI AND MOOKERJI. | Instrumental | (N-6438) |
| JANKI BAI | Vocal | (P-10451) |
| KALLOO QAWWAL | " | (N-6399) |
| LAXMI BAI | " | (N-5803) |
| SAIGAL | " | (H-59.h.) |
| JADDAN BAI | " | (J. N. G-17) |
| NALINI AND MOHAMMAD | " | " |
| HAFEEZ | Duet | (J. N. G-833) |
| BASHIR QAWWAL | Vocal | (G. E. 1585) |
| ZOHRA BAI (Late) | " | (F. T. 170) |

1-30 Close down.

TRANSMISSION III.

- 5-30** Time Signal.
AIR Orchestra. "Dil talabgar juda".
- 5-40** Mohammad Shafi.
 "Kia saba kucha-i-dildar se tu ati hai
 Mujh ko apane dil-i-gum-gashta ki bu ati hai". (Dagh.)
- 5-50** Hamid Husain.
 "Ah jo dil se nikali jaegi
 Kia samajhte ho keh khali jaegi". (Akbar Allahabadi.)
- 6-0** Mohammad Shafi.
 "Muhayya-i-tark-i-tamanna nahin hai
 Dil-i-zar abhi un ko samjha nahin hai."
 (Hasrat Mohani.)
- 6-10** Ghulam Sabir. *Sarang-i-Marwa.*
- 6-20** 1st News and Weather Report (Hindustani.)
- 6-30** 1st News and Weather Report (English.)
- 6-40** Afzal Husain. "Nayya Lagi Manjdar".
Thumri Bhopali.
- 6-50** Mohammad Shafi.
 "Raha baqi agar shauq-i-tamasha chashm-i-qatil men
 Tarapne ke liye a jaegi phir jan-i-bismil men."
 (Bekhud.)
- 7-0** Hamid Husain.
 "Thare raho banke yar gagari main ghar dhar aun."
Thumri Behag.

Friday, 2nd October

- p.m.**
7-10 Malang Khan. *Sitar—Shankra.*
- 7-20** Mohammad Shafi.
 "Jab kisi ki nahin sunta koi
 Kare kia khak tamanna koi." (Zaki.)
- 7-30** "For Villagers Only".
 (Delhi Market Rates at 8 p.m.)
- 8-30** Talk (Hindustani): "How they Wed" No. 5. In Thibet.
 By ARUNA ASAF ALI.
- 8-45** Simla Hill Songs and Hindi Songs.
 By SHIV NATH KHANNA.
- 9-15** 2nd News and Weather Report (Hindustani.)
- 9-30** Time Signal.
 2nd News and Weather Report (English.)
- 9-45** *Talk (English): "The Fortnight in Books."
 By AGNES HALL.
- 10-0** A Vocal and Instrumental Concert.
- | | | | | | |
|-----------------|---|---|---|---|-------------|
| HUBERT A. MADGE | - | - | - | - | Violin. |
| ETHEL GATELEY | - | - | - | - | Contralto. |
| THELMA BARRON | - | - | - | - | Pianoforte. |
-
- | | | | | | |
|----------------|----------------------------|---|---|---|----------------|
| HUBERT MADGE. | "Iza Czardas" | - | - | - | Mischels. |
| | "Cradle Song." | - | - | - | " |
| ETHEL GATELEY. | "Ombra Mai Fu" | - | - | - | Handel. |
| | "There's a Land of Roses." | - | - | - | Del Riego. |
| THELMA BARRON. | "Chant Polonais" | - | - | - | Chopin-Liszt. |
| | Waltz "Naila" | - | - | - | Dohnanyi. |
| HUBERT MADGE. | "Caprice Viennois" | - | - | - | Kreisler. |
| | "La Chasse" | - | - | - | Kreisler. |
| | "Zapateado" | - | - | - | Sarasate. |
| ETHEL GATELEY. | "Birds" | - | - | - | Hatton. |
| | "In Sweet Content" | - | - | - | W. Sanderson. |
| THELMA BARRON. | Study in F minor | - | - | - | Liszt. |
| HUBERT MADGE. | "Polonaise" | - | - | - | Newland Smith. |
| | "L' A beille" (The Bee). | - | - | - | " |
- 11-0** Close down.
 *Relayed from our Simla Studio.



VUB 350.9 metres, 855 kc/s. 31.36 metres, 9565 kc/s.

a.m. 11-30 A Selection of Indian Records. (Odeon.)

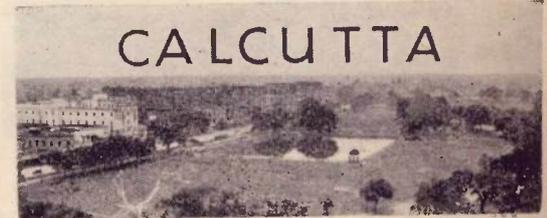
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|------------------------|-----------------------------|---|---|---|--------------------|
| HIRABAI BARODEKAR. | "Piya Nehi Aye" | - | - | - | Patlip. |
| | "Hori Khelo Mose Nand" | - | - | - | Hori. |
| VITHALRAO GURAV. | "Yaduraj Aj Disala" | - | - | - | Bhimpalas. |
| | "Nandanvan Fulale" | - | - | - | Sohani. |
| MANIBAI GARBA PARTY. | "Hare Pankhi Kaheje" | - | - | - | Garba. |
| | "Lage Suna Avas" | - | - | - | Garba. |
| MARUTIRAO PEHLIVAN. | "Manmohana Gun Sundera" | - | - | - | Khambavati. |
| | "Kopalasi Majvri Aisa" | - | - | - | Bhajan. |
| SHREEMATI PADMADEVI. | "Kar Batiye Kaun Chhina" | - | - | - | Chand-Ka. Turkada. |
| | "Chhaya Tera Dono Joha Me." | - | - | - | Chand-Ka. Turkada. |
| LAVANGIA AND GORIYA. | "Laganano Bazar" | - | - | - | Comic. |
| | "Bairu Ajab Ukhyanu" | - | - | - | Comic. |
| KAMALABAI BARODEKAR. | "Jani Vani Bharala" | - | - | - | Bageshri. |
| | "Visarala Kay Hari" | - | - | - | Mand. |
| SHREEMATIBAI NARVEKAR. | "Garuva Karsole" | - | - | - | Bahar. |
| | "Harike Sang Mai To" | - | - | - | Sarang. |
| BADRI PRASAD. | "Bansari" | - | - | - | Bhajan. |
| | "Bansari" | - | - | - | Bhimpalas. |

p.m. 1-0 Available Market Rates. A Recorded Programme.

- DEBROY SOMERS BAND.
 "Drink up" 6-8 one step.
 Comedy Quickstep. "Listen to the German Band."
 BILLY MAYERL. (Piano solos).
 "Please handle with care."
 "Balloons."

- GERALDO AND HIS ACCORDEON BAND.
 Medley. "Accordeon Nights."
 RENATE MULLER. (Soprano).
 "Today I feel so happy."
 "Just because I lost my heart to you."
 ALBERT SANDLER AND HIS ORCHESTRA.
 Valse. "Bien Aime".
 Waltz. "Amoretten Tanz."
 NORMAN LANG. (Entertainer at the Piano).
 "Grandma's days and nowadays."
 "The bushes at the bottom of the garden."
 RUDY STARITA. (Xylophone solos).
 "The Dancing Tailor."
 "The Clatter of the clogs."
 TINO ROSSI.
 Tango "Un Violin Dans la Nuit."
 Tango "La Serenade a lena."
 BOURNEMOUTH MUNICIPAL ORCHESTRA.
 "Rosewood Riddles."
 "The Dicky bird Hop."
 (Columbia Records).

- p.m.**
2-0 Close down.
- 5-30** The VUB Indian Orchestra.
- 6-15** Talk (Marathi): "Audyogik Pradarshane"
 By J. L. JOSHI.
- 6-30** "Garba."
 Conducted by NIRMALA OZA.
- 7-15** Recitations from Holy Quran.
 MOULVI GULAM MOHOMED KAMAR.
- 7-30** Light Classical Music
 By SHANKARRAO MOHITE.
 With Sarangi, Harmonium and Tabla.
- 8-30** Commercial News and News in Hindi.
- 9-0** Hindustani Duets
 By ALLABUX AND SHAHAJAN.
- 9-30** Talk (English): "Company Law."
 By PROF. SORAB R. DAVAR, J.P.
- 9-45** News in English.
- 10-0** Jules Craen and his Quintet.
- SB**
- | | | | | | |
|----------------------|---|---|---|---|-------------|
| "Valse Des Brunes" | - | - | - | - | Ganne. |
| "Kisses in the Dark" | - | - | - | - | Micheli. |
| "Le C I D" | - | - | - | - | Massenet. |
| "Sur Les Lagunes" | - | - | - | - | Gervasio. |
| "D'Ambrosio" | - | - | - | - | " |
| "Erotik" | - | - | - | - | Grieg. |
| "I Love thee." | - | - | - | - | Grieg. |
| "Les Gigalettes" | - | - | - | - | Filippucci. |
- 11-0** Close down.



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

p.m. 12-36 Time Signal. SB A Studio Programme by T. E. Bevan & Co. Ltd. ("Columbia" Recording).

- CARROLL GIBBONS AND SAVOY HOTEL ORPHEANS.
 "It's been so long."
 "You can't pull the wool over my eyes."
 LES ALLEN AND HIS CANADIAN BACHELORS.
 "At the close of a long, long day."
 "A Melody from the Sky."
 ALBERT SANDLER TRIO.
 "Carmen."
 MANTOVANI AND HIS TIPICA ORCHESTRA.
 "O Balalaika."
 "Aloha."
 LEN FILLIS. *Electric Guitar Solos.*
 "Sweet Honolulu."
 "Lover come back to me."
 THE ROCKY MOUNTAINEERS.
 "It ain't Nobody's Biz'ness what I do."
 "Oh Susannah" "We'll Rest at the end of the Trail."
 B.B.C. DANCE ORCHESTRA. Directed by HENRY HALL.
 "All My Life."
 "Laughing Irish Eyes"
 KING'S MARIMBA VIRTUOSI.
 Intro: "Serenade, etc." "Marimba Classics."
 "Thanks for a Beautiful Day."
- 1-0** Talk: "Food as Fuel".
- SB** By DR. RUDOLPH TREU.
- 1-20** T. E. Bevan's "Columbia" Programme (contd.)
SB Calcutta Weather Bulletin for Oceancraft and Rivercraft.
- 1-36** Talks: "Makers of Modern Civilization."
 "Leewanhook and his Microscope."
 By NRIPEN CHATTERJEE.
 A Broadcast for School Students.
- 2-6** Milad By QARI NUR HOSSAIN and party.

- p.m.**
2-36 Talk : " Women's property under Hindu Law." By BISHNU SARMA.
3-6 Time Signal. Close down.
5-6 Time Signal.
 Letters and Riddles for Children.
 Talk :—Rabindranath as a Child. By KAMAL BOSE.
 News Reel.
 Bengali Song by HENA BANERJEE.
6-6 Talk : " Paddy diseases and their Remedies." By H. C. ROY, Agricultural Officer, Govt. of Bengal. No. 1 in the Series, " Agricultural Researches."
6-26 Musical Selections.
 By K. C. DEY. Then and Now.
6-41 Commercial News and Weather Report (In Bengali).
SB
6-46 News in Bengali.
SB
7-1 Commercial News and Weather Report (In English).
SB
7-21 Indian Theatrical Night.
SB Betar Nattokey Dal presents :
 "Bramhote."
 By BHUPENDRANATH BANERJEE,
 Under the direction of B. K. BHADRA.
10-21 Commercial News and Weather Reports (In English).
SB Time Signal. Close down.



TRANSMISSION 5.

GSP 15.31 Mc/s (19.60 m.), GSD 11.75 Mc/s (25.53 m.),
 GSC 9.58 Mc/s (31.32 m.).

- a.m.**
4-30 Big Ben. "Empire Magazine," No. 7.*
 A weekly review of things at home. Edited by Pascoe Thorton.
5-2 A Recital.
 By Katherine Goodson (Piano/forte).
5-25 A Talk.
 By the Empire Programme Director.
5-40 Dance Music.
6-10 The News and Announcements.
 Greenwich Time Signal at 6-15 a.m.
6-30 Close down.

TRANSMISSION 6.

GSP 15.14 Mc/s (19.82 m.), GSC 9.58 Mc/s (31.32 m.).

- a.m.**
7-30 Big Ben. The Lisle Bridgewater Harp Quintet.
 Raymonde Collignon (Soprano). * Quintet : Suite of Pieces : (1) Cibet (2) Saraband (3) Minuet (4) Aire (5) Gigue (Lully, arr. Bridgewater). Raymonde Collignon : La fille de Nantes (d'Indy). La belle du village ; Monsieur le cure (Goldsmith). Quintet : Three pieces from Carmen : (1) Entr'acte (2) Intermezzo (3) Chanson boheme (Bizet, arr. Bridgewater). Raymonde Collignon : La bergere avisee (d'Indy). Pierre et sa mie (Goldsmith). Bonjour, monsieur (Offenbach). Quintet : Berceuse (Jocelyn) (Godard). Danse grecque (Mouquet).
8-20 A Talk.
 By the Empire Programme Director.
8-35 "Concert in Camera."**
 A musical burlesque written by David Kean. A picture of one side of life in London during the year 1897. Production by William MacLurg
9-10 The News and Announcements.
 Greenwich Time Signal at 9-15 a.m.
9-30 Close down.

TRANSMISSION 1.

GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.).

- a.m.**
11-45 Big Ben. Around the Counties—No. 5.*
 "Buckinghamshire—the cradle of English liberty." Written by John W. Coulter and produced by John Pudney.
p.m.
12-16 A Talk.
 By the Empire Programme Director.
12-31 The BBC Empire Orchestra.
 Leader, Daniel Meisa ; conducted by Clifton Helliwell. Overture, Morning, Noon and Night in Vienna (Suppe). Intermezzo (Le pavillon d'Armide) (Tcherepnine). Second Suite, Carmen : (1) Habanera (2) Michaela's Aria (3) The Guard Mount (4) Gipsy Dance (Bizet). Ausencia (Serenade) (Arbos). Selection, La Traviata (Verdi, arr. Weninger).

Friday, 2nd October

- p.m.**
1-25 The News and Announcements.
 Greenwich Time Signal at 1-30 p.m.
1-45 Close down.

TRANSMISSION 2.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.).

- p.m.**
4-30 Big Ben. The Rutland Square and New Victoria Orchestra.
 Directed by Norman Austin. From the New Victoria Cinema, Edinburgh. Medley, Autumn Melodies (Nicholls, arr. Marr Mackie). Rapsodie Slave (Volpatti, Jr.). Rumba, The Juba (Leon Rene). Supposing (Tolchard Evans). Selection, Pagliacci Leoncavallo, arr. Godfrey).
5-0 The BBC Dance Orchestra.
 Directed by Henry Hall.
5-45 Light Programme.*
6-25 Musical Interlude.†
 Greenwich Time Signal at 6-30 p.m.
6-30 The News and Announcements.
6-50 Variety.*
7-10 Envoi.†
7-15 Close down.

TRANSMISSION 3.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.),
 GSF 15.14 Mc/s (19.82 m.).

- p.m.**
7-30 Big Ben. Fred Hartley and his Novelty Quintet.
 With Brian Lawrance (Australian Vocalist). * Love is the Sweetest Thing (Noble). Narcissus (Nevin). Sweetheart, Let's Grow Old Together (Edwards). Moods (Da Costa). Sweet Afton Water (Trad.). The Iron Horse (Hartley) Poeme (Fibich). Souvenirs of Song, No. 39. Butterflies in the Rain (Myers). Sleepytime Down South (Leon, Otis, and Muse). (All arrangements by Fred Hartley).
8-10 Reading from De Quincey.
8-25 Musical Interlude.†
8-30 "Cobwebs."
 A sentimental interlude, with Jack Clarke and his Quintet, Billie Baker, and Patrick Waddington. (Musical arrangements by Jack Clarke).
9-0 The Carlton Hotel Orchestra.
 Directed by Rene Tapponnier. From the Carlton Hotel, London. As long as There's a Waltz by Strauss (Guttman). When the Moon Hangs High (Florion). Captain January (Pollack). Regina (Korecky). Night Must Fall (Wade). Shannon River (Morgan).
9-25 The News and Announcements.
 Greenwich Time Signal at 9-30 p.m.
9-45 The Gershom Parkington Quintet.
 Selection, Tales of Hoffman (Offenbach).
9-57 Around the Counties—No. 5.*
 "Buckinghamshire—the cradle of English liberty." Written by John W. Coulter ; produced by John Pudney.
10-30 Close down.

TRANSMISSION 4.

Three of the following frequencies will be used :
 GSG 17.79 Mc/s (16.86 m.), GSO 15.18 Mc/s (19.76m.),
 GSF 15.14 Mc/s (19.82 m.), GSD 11.75 Mc/s (25.53 m.),
 GSB 9.51 Mc/s (31.55 m.).

- p.m.**
10-45 Big Ben. Variety.†
10-55 Reginald Foort, at the Organ of the Paramount Theatre.
 Tottenham Court Road, London. A Pot-pourri of Music by Romberg : A Brown Bird Singing (with Anton (Violin)) (Haydn Wood). Prelude in C sharp minor (Rachmaninov, arr. Foort). The Londonderry Air (with Anton (Violin)) (arr. Foort). Some Theme Songs of Famous Films (arr. Foort)
 Greenwich Time Signal at 11-30 p.m.
11-30 The News and Announcements.
11-50 "Songs of Home" : A Short Recital.
 by Olive Kavann (Contralto). Little Grey Home in the West (Lohr). In an Old Fashioned Town (W. H. Squire). Homing (del Reigo).
12-0 The BBC Orchestra.
Midnight.
 (Section C), conducted by Julian Clifford. Alfredo Campoli (Violin). Orchestra : Overture, The Magic Flute (Mozart). Alfredo Campoli and Orchestra : Concerto for Violin and Orchestra : (1) Allegro (2) Lento ma non troppo (3) Rondo—Prestissimo (Richard Strauss). Orchestra : Dances of Marosszekel (Kodaly).
a.m.
12-55 The BBC Dance Orchestra.
 Directed by Henry Hall.

- a.m.**
1-30 "The Round Trip."**
 A sea voyage in sound by Michael Reynolds, D. A. Stride and James Eccles. Produced by William MacLurg.
2-10 The News and Announcements.
2-30 A Short Recital.
 By James Topping (Tenor). The Bitterness of Love (James Dunn). The Garden Where the Parties Grow (Liddle). At morning (Landon Ronald).
2-40 "Down to the Sea in Ships : Sea Harvests—11."
 Wynn Thomas.
3-0 The BBC Theatre Orchestra.
3-45 Jack Payne with his Band.
3-57 A Historical Talk.*
4-15 Close down.

* Electrical recording. † Gramophone records.

GERMANY (Berlin)

DJA 31.38, DJQ 19.63, DJN 31.45, DJE 16.89.

- 10-40 a.m.** Music for all. **11-45 a.m.** Music for all (contd.) **12-30 p.m.** News and Economic Review in English. **12-45 p.m.** To-day in Germany. Sound Pictures. **1-0 p.m.** A merry Radio opera. "Wie heiratet man die Tochter des Kalifen?" **2-0 p.m.** Talk: The German Theatre and the new culture, Dr R. Schlorsler. **2-15 p.m.** Chamber Music. **3-15 p.m.** Review of the Month's Periodicals. **3-30 p.m.** Sonata Arpeggione by Schubert.
4-30 p.m. Concert of Light Music. **5-30 p.m.** News in English. **5-50 p.m.** Concert of Light Music (contd.). **6-45 p.m.** Hitler Youth Programme : Celebration of the Hitler Youth. **7-15 p.m.** The new German book. **7-30 p.m.** News and Economic Review in English on DJE, DJQ. **7-45 p.m.** To-day in Germany. Sound Pictures. **8-0 p.m.** A light opera. "How does one marry the daughter of the Caliph?" **9-0 p.m.** Works by Max Reger. **9-30 p.m.** Close down.

FRANCE (Radio Colonial)

Wavelength 19.68 m. and/or 25.24 m.

- 11-30 a.m.** Relay from P.T.T. Transmitter. **11-50 a.m.** Market Prices, Rates of Exchange. **12 noon.** Records. **12-10 p.m.** Relay from P.T.T. Transmitter.
12-25 p.m. Records. **1-0 p.m.** Talk on Events in France. **1-15 p.m.** Records. **1-45 p.m.** News in French. **2-15 p.m.** News in English. **2-30 p.m.** Close down.
3-25 p.m. Day's Programme. **3-30 p.m.** Relay from Radio-Paris—Concert. **4-30 p.m.** News in English. **4-45 p.m.** Concert-Relayed. (contd.). **5-15 p.m.** News in French. **5-45 p.m.** Concert-Relayed. (contd.). **6-30 p.m.** Important Trends of Contemporary Thought, by Mr. P. Descaves. **6-40 p.m.** Humour of To-day, by Mr. Dessoudeix. **6-50 p.m.** Colonial Market Prices, Rates of Exchange. **7-0 p.m.** Concert conducted by Mr. Tomasi, with Mrs. Isabelli, vocalist and Mr. Milbeo, Breton Bard. **8-25 p.m.** Rates of Exchange and French Stock (Rentés). **8-30 p.m.** Close down.
9-45 p.m. News in French, Market Prices, Rates of Exchange. **10-30 p.m.** Concert-Relayed. **11-0 p.m.** Relay of Radio-Journal of France (French News). **11-20 p.m.** French Epics, by Mr. Etienne Buisson. **11-30 p.m.** Concert-Relayed. (contd.). **12 midnight.** News in English. **12-30 a.m.** News in French, Market Prices. **1-0 a.m.** Relay : Dramatic, Federal Broadcast. **3-30 a.m.** Close down.

HOLLAND (Phohi)

Wavelength 16.88 Metres.

- 6-30 p.m.** Opening announcement. **6-40 p.m.** Music. **6-45 p.m.** Latest News from Holland. **7-0 p.m.** Netherlands cabaret programme by Anny Prins. **7-15 p.m.** Violin recital by N. de Kleyn to an accompaniment of A. Heksch. **7-30 p.m.** The Netherlands cabaret programme (contd.). **7-50 p.m.** Violin recital (contd.). **8-10 p.m.** Modern furniture, by Dr. J. R. Bouten. **8-30 p.m.** Close down.

ITALY (Rome)

Wavelength 25.40 and/or 31.13 Metres.

- 5-13 p.m.** Varied programmes. **6-45 p.m.** Concert. Talk : "Mediterranean civilization—Shakespeare and the Roman world." **7-30 p.m.** News in English. Symphonic concert. Vocal concert Pasquale Lombardo, baritone. Talk on topics of general interest. Violin concert. Vocal concert. **10-0 p.m.** Vocal concert—songs in dialect. Sporting news. Latest news. **11-30 p.m.** Varied programmes.

All Times are given in Indian Standard Time.



VUD 340.13 metres, 882 kc/s.

TRANSMISSION I.

- a.m.**
8-0 Time Signal.
Bhajan. (A Chorus by the AIR Artists.)
8-10 AIR Orchestra. *Megh Ranjni.*
8-20 Theft of a Bangle.
 "Mora Kanganwa le gaya chor". Saraj.
 BY AFZAL HUSAIN.
8-30 Azizur Rahman.
 "Sans lete hue bhi darta hun
 Yeh na samjhon keh ah karta hun." (Akbar Allahabadi).
8-40 Master Jiwan. Clarinet. *Asawri.*
8-45 Talk (Hindustani): "Minding the Mind." No. 5.
 The Subconscious mind.
 BY MIRZA MAHMOOD BEG.
9-0 Sardar Sohen Singh. Classical Music.
9-30 Azizur Rahman.
 "Yeh shokhi se us ki nazar ho gai
 Kisi ne na jana kidhar ho gai." (Majruh).
9-40 Sardar Sohen Singh. Classical Music.
9-55 Sabiri. Sarangi.—Bindrabani Sarang.
10-0 Close down.

TRANSMISSION II.

- p.m.**
12-30 Time Signal.
Indian Recorded Music.
 FAQIRUDDIN - - - - - Qawwali.
 INDUBALA - - - - - from "Rai-Rani-Mira."
 JANKI BAI - - - - - Malhar.
 KAMLA (JAIRIA) - - - - - Panjabi Songs.
 LAXAMI BAI - - - - - Bhajan.
 BRIJ BHUSHAN, MUNNI, ZOHIRA AND FAQIRA - - - - - Duets.
 MUSHTARI BAI - - - - - Khayal Puria and
 Bindrabani Sarang.
 DELHI QAWWALS - - - - - Qawwali.
 SAIGAL - - - - - Bhajan.
 MUNNA KHAN - - - - - Gat Shahnai.
1-30 Time Signal.
A Light Orchestral Programme.
 (Recorded).
 ALBERT W. KETELBEY'S CONCERT ORCHESTRA. (Columbia 9403).
 "In a Monastery Garden". Vocalist (Nellie Walker).
 PLAZA THEATRE ORCHESTRA
 (Conducted by Frank Tours).
 "A Musical Switch". Part 3.
 "Lover's Lane Minuet."
 GAUMONT BRITISH ORCHESTRA - - - - - (DX-592).
 (Conducted by Louis Levy).
 Selection "Chu Chin Chow."
 ALBERT W. KETELBEY'S CONCERT ORCHESTRA - - - - - (9410).
 Intermezzo "Bells across the Meadows."
 "The Gnomes March."
 JOHANN STRAUSS AND SYMPHONY ORCHESTRA - - - - - (9234).
 Waltz "Doctrinen."
 "When the Lemons Bloom."
 ALBERT SANDLER AND HIS ORCHESTRA - - - - - (DB-853).
 "Bird Songs at Eventide."
 "Gipsy Moon" Zigeunerweisen.
 LONDON PHILHARMONIC ORCHESTRA.
 (Conducted by Hamilton Harty).
 "Valse Triste" Sibelius.
 "March Militaire" Schubert.
2-30 Close down.

TRANSMISSION III.

- 5-30** Time Signal.
AIR Orchestra. Kafi.
5-40 Azizur Rahman.
 "Jan ham tujh peh diya karte hain
 Nam tera hi liya karte hain." (Nasikh).
5-50 Qawwali. BY AIR ARTISTS.
6-5 Azizur Rahman. Bhajan.
 "Mera dud re Majaeo re tu ne Mahabir."
6-15 Qanun. BY MALANG KHAN.

Saturday, 3rd October

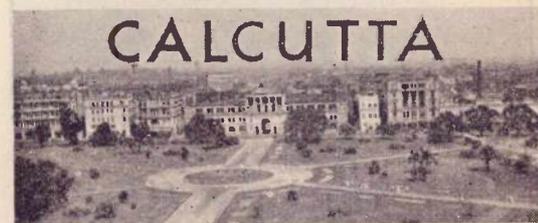
- p.m.**
6-20 1st News and Weather Report (Hindustani).
6-30 1st News and Weather Report (English).
6-40 Sardar Sohen Singh. Classical Music.
7-20 Afzal Husain. "Tum hi basat ho pitam piare."
 (Thumri).
7-30 "For Villagers Only."
 (Delhi Market Rates at 8 p.m.)
8-30 Debate (Hindustani): "New Lamps for Old." No. 5.
 Do we dress better than our ancestors?
 Yes. DR. ABDUL ALEEM.
 No. DR. K. M. ASHRAF.
8-45 *Simla Hill Songs.
 By KAKU RAM of Kanda Ghat.
9-15 2nd News and Weather Report (Hindustani).
9-30 Time Signal.
2nd News and Weather Report (English.)
9-45 Talk (English): "Empire Universities Congress at
 Cambridge."
 BY C. B. YOUNG, Head of the Department of English,
 Delhi University.
10-0 Relay from the All-India Music Conference,
 Ajmere.
 FAYYAZ, PRINCIPAL RATANGANKAR and PRINCIPAL DEO-
 DHAR of Bombay are expected to take part.
11-30 Close down.
 *Relayed from our Simla Studio.



VUB 350.9 metres, 855 kc/s.

- a.m.**
11-30 Marathi Songs
 By GULAB DHARADHAR.
noon.
12-0 Violin Solos
 By DHUNJIRAJ PALUSKAR.
p.m.
12-30 Gujerati Songs
 By TRIKAMLAL PRAGJI BALSARA.
1-0 Available Market Rates.
Jules Craen and his Quintet.
 Relayed from the Taj Mahal Hotel.
 (By kind permission of the Management.)
 "Petite valse Irisee" - - - - - Pesse.
 "Pimpante Et Jolie" - - - - -
 "Manon" - - - - - Massenet.
 "Nell" - - - - - Perilhou.
 "Mandolinata" - - - - - Palladithe.
 "Les Yeux" - - - - -
2-0 Close down.
4-30 Gazals
 By G. R. GAIKAWAD.
5-0 Talk (Marathi): "Gruha Shastra"
 By SITABAI ANNIGERI.
5-15 Sarangi Solo
 By BANNE KHAN.
5-30 Relay from Regal Cinema.
 (By kind permission of the Management.)
6-30 Marathi Songs
 By VENUBAI DEWASTALI
 With Sarangi, Harmonium and Tabla.
7-15 Talk (Gujerati): "Ma-bap, School ane Baccha."
 By S. U. SUKLA.
7-30 Hindustani Songs
 By BHAI CHELLA.
 Accompanied by the VUB Orchestra.
8-30 Commercial News and News in Hindi.

- p.m.**
9-0 Munshi Chakram.
 A musical sketch in Hindi written and produced by
 DR. D. R. PREM.
9-30 Talk (English): "Sports of the Week."
 By "RADDY."
9-45 News in English.
10-0 A Studio Concert.
 By the SANTA CRUZ AMATEUR DRAMATIC AND MUSIC
 SOCIETY.
 Under the direction of FAIRLIE MARTIN.
 MURIEL RIBEIRO - - - - - Soprano.
 MAY FONSECA - - - - - Piano.
 MERWYN ROSS MULLER - - - - - Tenor.
 MELITA RODRIGUES - - - - - Piano.
 AND A CHORUS OF 23.
 CHORUS.
 "Song of the Pedlar" - - - - - Lee Williams.
 "Softly falls the shades of evening" - - - - - Hatton.
 "John Peel" - - - - -
 MURIEL RIBEIRO.
 "Parla" - - - - - Arditi.
 "Lullaby" - - - - - Brahms.
 "Serenade" - - - - - Gounod.
 CHORUS.
 "Blue Danube" - - - - - Strauss.
 MAY FONSECA.
 "Scherzino, Op. 10" - - - - - Paderewski.
 "Barcarolle, Op. 44" - - - - - A. Liadow.
 "Impromptu, Op. 29" - - - - - Chopin.
 MERWYN ROSS MULLER.
 "I did not know" - - - - - Trotere.
 "Trees" - - - - - Rasbach.
 "I love the moon" - - - - - Ruben.
 CHORUS.
 "The Goslings" - - - - - Frederick Bridge.
 "O Hush Thee, My Babie" - - - - - Sullivan.
 "Land of Hope and Glory" - - - - - Elgar.
11-0 Close down.



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

- p.m.**
12-36 Time Signal.
***Musical Selections from the Studio.**
12-51 Robert Pikler and his Hungarian Orchestra.
 SB A Musical Programme, relayed from "Firpo's Restau-
 rant."
 (By kind permission of the Management).
 Calcutta Weather Bulletin for Oceancraft and Rivercraft.
1-36 Talk: "Woman's Status through the Ages—Forbidden
 Marriages."
 By BELLA HALDER.
2-6 *Musical Selections.
2-36 Talk: "Aims and objects of Bengal Women's Union."
 By MRS. MAZUMDAR, of the National Council of Women
 in India.
3-6 Time Signal. Close down.
5-6 Time Signal.
 Talk: "Why plants require manure."
 By MANORATH MANNA.
 No. 2 in the Series, "Agricultural Researches."
5-21 A Villager comes to Town. A comic Sketch.
 By NANI DAS GUPTA.
5-36 A Modern Bengali Song By SUKHENDU GOSWAMY.
5-51 Jantri Sangha
 Conducted by SURENDRA LAL DAS.
6-6 Modern Bengali Song By NARENDRA NATH BOSE.
 Kheyal By HABU CHANDRA DAS.
6-36 Jantri Sangha.
6-41 Old Style Bengali Song By KALIPADA PATHAK.
7-1 Modern Bengali Song By ANIMA (Badal).
7-16 Bengali Bhajan By INDUBALA.
7-36 Thungri By DAMODAR MISRA.
7-51 Light Kheyal By SUBAL DAS GUPTA.
8-6 Talk: "Man vs. Microbes—Man's invisible enemy."
 By DR. R. C. ADHIKARY.
8-21 Instrumental Music. Saregee Solo.
 By CHHOTAY KHAN.

All Times are given in Indian Standard Time.

- p.m.
8-41 Commercial News and Weather Report (In Bengali).
 SB
8-46 News in Bengali.
 SB
9-1 Commercial News and Weather Report (In English).
 SB
9-6 *Time Signal.*
 SB **News in English.**
9-21 Talk: "Science and the Invisible World."
 SB By SYED MEHDI IMAM.
9-36 The Grand Hotel Dance Orchestra.
 SB Relayed from "Prince's" Restaurant.
10-36 *Time Signal. Close down.*

*Gramophone Records.



TRANSMISSION 5.

GSP 15.31 Mc/s (19.60 m.), GSD 11.75 Mc/s (25.53 m.),
 GSC 9.58 Mc/s (31.32 m.).

- a.m.
4-30 Big Ben. The BBC Empire Orchestra.
5-20 Talk.*
5-35 A Recital
 Of New Gramophone Records.
6-10 The News and Announcements.
Greenwich Time Signal at 6-15 a.m.
6-30 *Close down.*

TRANSMISSION 6.

GSP 15.14 Mc/s (19.82 m.), GSC 9.58 Mc/s (31.32 m.).

- a.m.
7-30 Big Ben. "Empire Magazine," No. 7.*
 A weekly review of things at home. Edited by Pascoe Thornton.
8-2 The Luton Band.
 Conductor, Albert Coupe. Overture, Robin Hood (Geehl). Cornet Duet, Besses o' th' Barn (Duettists, J. Smith and G. Crossland) (Carrie). Selection, The Desert Song (Romberg). Waltz Medley, The Golden Waltz (arr. A. Winter). Overture, Tancredi (Rossini).
8-45 Variety.*
9-10 The News and Announcements.
Greenwich Time Signal at 9-15 a.m.
9-30 *Close down.*

TRANSMISSION 1.

GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.).

- a.m.
11-45 Big Ben. "Cobwebs."*
 A sentimental interlude, with Jack Clarke and his Quintet, Billie Baker, and Patrick Waddington. (Musical arrangements by Jack Clarke).
 p.m.
12-16 A Short Recital.
 By Ellis Keeler (Baritone). Hope, the Hornblower (John Ireland). Callao (Guy Graham). At the Mid-hour of Night (Cowen). The Little Irish Girl (Lohr). A-Rovin' (Traditional Sea Chanty).
12-30 Historical Talk.*
12-45 A Short Recital.
 By Mario Lorenzi (Harp).
12-59 Variety.*
1-25 The News and Announcements.
Greenwich Time Signal at 1-30 p.m.
1-45 *Close down.*

TRANSMISSION 2.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.).

- p.m.
4-30 Big Ben. A Programme of Strauss Waltzes.†
 The Berlin Philharmonic Orchestra, conducted by Julius Prauer; Emperor Waltz. The Vienna Philharmonic Orchestra, conducted by George Szell; Voices of Spring.

Saturday, 3rd October

- p.m.
4-45 A Recital.
5-15 The Children's Hour.
 The Castles of England: "Haddon Hall." A play by L. du Garde Peach.
6-0 The Commodore Grand Orchestra.
 Directed by Harry Davidson. From the Commodore Theatre, Hammersmith. Sunshine and Shadow (Piercy). Ye Merrie Blacksmith (John Belton). Selection, I Give my Heart (Millocker, arr. Mackeben). The One Rose (Del Lyon). A Musical Extravaganza (compiled by Harry Davidson).
Greenwich Time Signal at 6-30 p.m.
6-30 The News and Announcements.
6-50 A Recital.
 By Kate Winter (Soprano). Art thou Troubled? (Rondelinda) (Handel). My Heart ever Faithful (Bach). The First Primrose (Grieg). Lullaby (Hamilton Hart). The Mocking Fairy (Besly). Don't Come in Sir, Please (Cyril Scott). So we'll Go No More a' Roving (Maude Valerie White).
7-15 *Close down.*

TRANSMISSION 3.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.),
 GSF 15.14 Mc/s (19.82 m.).

- p.m.
7-30 Big Ben. The Coventry Hippodrome Orchestra.
 Conductor, William Pethers. From the Hippodrome Theatre, Coventry. Selection, Merrie England (Edward German). Boris on the Bass (Arden, Saville, and Royce). Waltz, Dreaming (Joyce). Speak Easy (Gensler, arr. Paul). Autumn Tunes (arr. Lamel).
8-0 "Empire Magazine," No. 7.*
 A weekly review of things at home. Edited by Pascoe Thornton.
8-30 The Serge Krish Septet.
 Forget me not (Waldteufel). Moldavian Rhapsody (Krish).

EVENTS THIS WEEK

"The Round Trip"

A sea voyage in sound

**A Talk by the Empire Programme Director
 The "White Coons"**

Will C. Pepper's famous concert party

**Promenade Concerts
 From Queen's Hall, London**

- 8-45 Will C. Pepper's "White Coons."**
 A concert party show, revived and produced by Harry S. Pepper. (At the pianos: Harry S. Pepper and Doris Arnold).
9-25 The News and Announcements.
Greenwich Time Signal at 9-30 p.m.
9-45 The BBC Dance Orchestra.
 Directed by Henry Hall.
9-55 Variety.*
10-15 The BBC Dance Orchestra—(contd.).
10-30 *Close down.*

TRANSMISSION 4.

Three of the following frequencies will be used:
 GSG 17.79 Mc/s (16.86 m.), GSO 15.18 Mc/s (19.76 m.),
 GSF 15.14 Mc/s (19.82 m.), GSD 11.75 Mc/s (25.53 m.),
 GSB 9.51 Mc/s (31.55 m.).

- p.m.
10-45 Big Ben. The Children's Hour.
 The Castles of England: "Haddon Hall."* A play by L. du Garde Peach.
Greenwich Time Signal at 11-30 p.m.
11-30 The News and Announcements.
11-55 Around the Counties—5.*
 "Buckinghamshire—the cradle of English liberty." Written by John W. Coulter and produced by John Pudney.

- a.m.
12-25 Eddie Carroll and his Music.
12-50 Music Hall.
1-50 A Recital.

By Mrs. Norman O'Neill (Pianoforte). Allegro in C (Scarlatti). Arietta (Leonardo Leo). Le coucou (The Cuckoo) (Daquin). Prelude in B minor, Op. 104 (Mendelssohn). Chant-polonaise No. 1 (Chopin-Liszt). Jardins sous la pluie (Gardens in the Rain) (Debussy).

- 2-10 The News and Announcements.**

- p.m.
2-20 Promenade Concert
 From Queen's Hall, London, W. 1. (Sole lessees: Messrs. Chappell and Co., Ltd.). Last Night of the Season. Part II. The B.B.C. Symphony Orchestra (90 players); principal violin, Marie Wilson; conducted by Sir Henry J. Wood. Fantasia on British Sea Songs (arr. Henry J. Wood).
2-38 The News and Announcements—(contd.)
2-50 Promenade Concert—(contd.)
 March, Pomp and Circumstance, No. 1 (Elgar).
3-10 Ambrose and his Orchestra
 From the May Fair Hotel, London.
Greenwich Time Signal at 3-30 a.m.
3-40 "Alabama Bound," No. 3.*
 A southern journey, with Phyllis Scott, John Rorke and Albert King. The Book by John Rorke and the music, old and new, arranged by Phyllis Scott. Presented by William MacLurg.
4-10 Envoi.†
4-15 *Close down.*

* Electrical recording. † Gramophone records.

GERMANY (Berlin)

DJA 31.38, DJQ 19.63, DJN 31.45, DJE 16.89.

- 10-40 a.m. A Week-end Concert.** **11-45 a.m. A Week-end Concert (contd.)** **12-25 p.m. Greetings to our listeners.** **12-30 p.m. News and Economic Review in English.** **12-45 p.m. To-day in Germany. Sound Pictures.** **1-0 p.m. Homesickness. Letters and Songs.** **1-45 p.m. A generation has altered Germany. The new appearance of the German Towns: IV. Goslar.** **2-0 p.m. Women's Hour.** **2-30 p.m. Brass Band.** **3-15 p.m. From the Works of Max Reger.** **4-30 p.m. Concert of Light Music.** **5-30 p.m. News in English.** **5-45 p.m. Greetings to our Listeners in the Near East.** **5-50 p.m. Concert of Light Music (contd.).** **6-45 p.m. The Father of the Fatherland.** **7-30 p.m. News and Economic Review in English on DJE, DJQ.** **7-45 p.m. To-day in Germany. Sound Pictures.** **8-0 p.m. Sonata Arpeggione by Schubert.** **8-15 p.m. Dance Music.** **9-30 p.m. Close down.**

FRANCE (Radio Colonial)

Wavelength 19.68 m. and/or 25.24 m.

- 11-30 a.m. Relay from P.T.T. Transmitter.** **11-50 a.m. Market Prices.** **12 noon. Records.** **12-10 p.m. Relay from P.T.T. Transmitter.** **12-25 p.m. Records.** **1-0 p.m. Talk on Events in France.** **1-15 p.m. Records.** **1-45 p.m. News in French.** **2-15 p.m. News in English.** **2-30 p.m. Close down.** **3-25 p.m. Day's Programme.** **3-30 p.m. Relay from Radio-Paris—Concert.** **4-30 p.m. News in English.** **4-45 p.m. Concert-Relayed. (contd.).** **5-15 p.m. News in French.** **5-45 p.m. Concert-Relayed (contd.).** **6-30 p.m. Message from Paris, by Mr. Francois Porche.** **6-40 p.m. Literary Talk, by Mr. Francois de Teramond.** **6-50 p.m. Colonial Market Prices.** **7-0 p.m. Concert with Miss Yvonne Boucheze, vocalist.** **8-30 p.m. Close down.** **9-45 p.m. News in French, Market Prices.** **10-30 p.m. Concert-Relayed.** **11-0 p.m. Relay of Radio-Journal of France (French News).** **11-20 p.m. Cronica Literaria, by Mr. Francois de Teramond.** **11-30 p.m. Concert-Relayed. (contd.).** **12-0 midnight. News in English.** **12-30 a.m. News in French and Market Prices.** **1-0 a.m. Relay.** **3-30 a.m. Close down.**

HOLLAND (Phohi)

Wavelength 16.88 Metres.

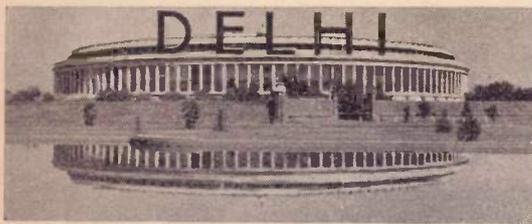
- 6-30 p.m. Opening announcement.** **6-35 p.m. The Phohi Troubadours.** **6-45 p.m. Latest News from Holland.** **7-0 p.m. The Troubadours (contd.).** **7-15 p.m. Microphone debutants.** **7-40 p.m. A radio sketch with music by the Troubadours.** **7-50 p.m. From Mail to Mail in Holland.** **8-10 p.m. News talk by Mr. L. Aletrino.** **8-30 p.m. The Troubadours (contd.).** **8-40 p.m. Close down.**

ITALY (Rome)

Wavelength 25.40 and/or 31.13 Metres.

- 5-13 p.m. Varied programmes.** **6-45 p.m. Concert. Talk "Paolo Solari".** **7-30 p.m. News in English. News in Hindustani. Varied Music. Music played on request of radio listeners.** **10-0 p.m. Selections from the opera: "Palla de' Mozzi" by Gino Marinuzzi.** **11-10 p.m. Concert of Arabian Music.**

All Times are given in Indian Standard Time.



VUD 340.13 metres, 882 kc/s.

TRANSMISSION I.

- a.m.
8-0 Time Signal.
- Arti. By AIR ARTISTS.
Accompanied by AIR Orchestra.
- 8-10 Bhajan. By AFZAL HUSAIN of Nagina.
- 8-20 Benazir Bai of Jaipur.
"Dir dir nom na dir dir nom." (Tarana Jounpuri.)
"Ab mori nayya par karoge." (Khayal Shudh Todi.)
- 8-45 Talk (Hindustani): "Cooking for Pleasure" No. 5.
Raita.
By SHAKUNTALA REKHI.
- 9-0 AIR Orchestra. Saweri.
- 9-10 Mohammad Afzal.
"Dil-i-mayus men woh shorashen barpa nahin hotin
Umiden is qadar totin keh ab paida nahin botin."
(Akbar Allahabadi.)
- 9-20 Benazir Bai of Jaipur.
"Ashiqi men ajab maza dekha
Sitam-i-narawa rawa dekha."
(Mail.)
- 9-30 Afzal Husain. Thumri Asawri.
"Mori pharkan lagi akhhiyan."
- 9-40 Benazir Bai of Jaipur.
"Ya dil se baz a ja ya dil nawaz ho ja
O raz hone wale tafsir-i-raz ho ja."
- 9-50 Afzal Husain.
"Maraz-i-ishq jise ho use kia yad rahe
Na daw yad rahe aur na dua yad rahe."
(Zauq.)
- 10-0 Benazir Bai of Jaipur. Thumri—Ghazal.
- 10-15 An Organ Recital
By F. C. COLLINS.
Relayed from St. James's Church, Delhi.
- 11-15 Close down.

TRANSMISSION II.

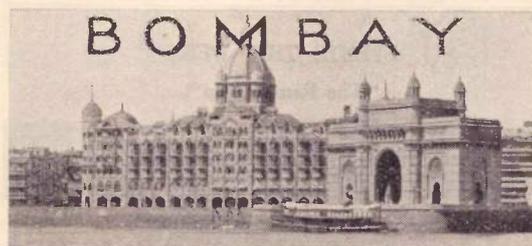
- p.m.
12-30 Time Signal.
- Indian Recorded Programme.
- NARAYAN RAO VYAS.
AKHTARI BAI FAIZABADI.
KHALIL QAWWAL.
MUSHTARI BAI of Agra.
PIARE SAHIB.
KAMLA JHARIA.
FAQIRUDDIN.
INDUBALA.
BINA DEVI AND DHUMI KHAN.
SHANTA KUMARI.
- 1-30 Close down.

TRANSMISSION III.

- 5-30 Time Signal.
- AIR Orchestra. Pilu.
- 5-40 Afzal Husain. Thumri Basant Bahar.
"Sayyan nahin ae."
- 5-50 Benazir Bai of Jaipur. Dadra.
"Tori mad bhari akhhiyan katar mar na."
- 6-0 Violin and Sarangi.
By SARDAR AND SABIRI.
Accompanied by Tabla.
- 6-10 Afzal Husain. Khayal Puria Dhanasri.
- 6-20 1st News and Weather Report (Hindustani).
- 6-30 1st News and Weather Report (English).
- 6-40 Malang Khan. Khayal Shudh Kaliyan.
- 6-50 Benazir Bai of Jaipur.
"Just-o-ju thokaren khilwati hai,
Aur manzil peh bhi pahunchati hai."
(Bismil).
- 7-0 AIR Orchestra. Bhopali.

Sunday, 4th October

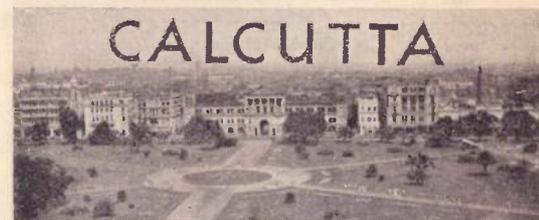
- p.m.
7-10 Afzal Husain.
"Ghammaz ban hain ansu gham-i-nihan ke
Ankhon se gir rahe hain tukre miri fughan ke."
(Hafeez).
- 7-20 Benazir Bai of Jaipur.
"Diwana banana hai to diwana bana de
Warna kahin taqdir tamasha ne bana de."
(Baihzad).
- 7-30 "For Villagers Only."
(Delhi Market Rates at 8 p.m.)
- 8-30 Talk (Hindustani): "The Vanishing Past." No. 5.
The Caravan Sarai.
By SYED ZAMIN ALI.
- 8-45 *Simla Hill Songs.
By SURTIYA of Kanda Ghat.
- 9-15 2nd News and Weather Report (Hindustani).
- 9-30 Time Signal.
- 2nd News and Weather Report (English).
- 9-45 Talk (English): "Along the Frontier." No. 5.
A Series of talks on the peoples and countries of the Frontier, from
Baluchistan to Chittagong.
- 10-0 *The "Criterion" Quartet.
In a Light Instrumental Programme.
Selection - "A Waltz Dream" - Strauss.
"Petite Suite de Concert" - Coleridge-Taylor.
Ballet Music from "Faust" - Gounod.
Waltz - "Amorettenanze" - Gung'l.
Entractes - "Chanson de Matin" - Elgar.
"Humoreske" - Dvorak.
"Fantasia" on melodies by - Schubert arr. Foulds.
- 11-0 Close down.
*Relayed from our Simla Studio.



VUB 350.9 metres, 855 kc/s. 31.36 metres, 9565 kc/s.

- a.m.
11-0 A Concert of Light Classical Music
From By SANGIT RATNA KHAN SAHIB ABDUL KARIM KHAN.
- noon Accompanied by :
12-0 KAPILESHWARI, Harmonium.
SB BUNNE KHAN Sarangi.
SHAMSUDIN, Tabla.
- p.m.
1-0 A Studio Programme
SB BY THE CONTINENTAL QUINTET.
Overture - "Pique Dame" - F. Suppe.
Fantasie - "Il Pagliacci" - R. Leoncavallo.
Waltz - "Accelerations" - J. Strauss.
Suite - "Ballet" - E. Popy.
"Love Serenade" - H. Lochr.
Potpourri - "The Czarevitch" - F. Lehar.
- 2-0 Close down.
- 4-30 Surbahar Solos
By PROF. MOHOMED KHAN.
- 5-0 Talk (Hindi): "Lives of Indian Saints"
By N. R. PHATAK.
- 5-15 Light Music
By J. L. RANADE of Ahmednagar
With Sarangi, Harmonium and Tabla.
- 6-30 Church Service.
Relayed from the Afghan Memorial Church.
ORDER OF THE SERVICE.
Organ Voluntary.
Hymn No. 297.
Psalm No. 101. (Hāyes, as set).
Magnificat (Smart, as set).
Nunc Dimmitis (Foster, as set).
Hymn No. 209.
Hymn No. 343.
Sermon.
Hymn No. 477.
Blessing.
Vesper (God be in my head).
Organ Voluntary.
At the Organ, L. Armstrong Smith.

- p.m.
7-30 The Radio Quartet.
Under the direction of D. J. PEREIRA.
March - "The Juggler" - Rosey.
Waltz - "Gold and Silver" - Lehar.
Serenade - "Moonlight in Rio" - Wertheimer.
Selection - "Sicilian Vespers" - Verdi.
DOMINIC PEREIRA.
Violin solo - "Sierra Morena" - Monasterio.
THE QUARTET.
Minuet - "D Major" - Mozart.
Intermezzo - "Promenade on the
Prater" - Pachrnegg.
Aria from Samson and Delila - Saint Saens.
"Bolero Brilliant" - Leybach.
- 8-30 News in Hindi.
- 8-45 A Classical Programme: Beethoven Op. 58
Concerto No. 4 in G Major.
By Wilhelm Backhaus (Pianoforte) and The London
Symphony Orchestra. Conducted by Sir Landon Ronald.
(Beethoven's Fourth Pianoforte Concerto in G Minor is
second only to the Emperor (his fifth in E Flat) in universal
esteem and popularity. This Concerto was written in
1805, and it is one of his greatest works.)
- 9-35 Talk (English): "Ten Minutes of Good Health."
By ANEM.
- 9-45 News in English.
- 10-0 The VUB Indian Orchestra
In Gazals and Quawalis.
- 10-15 "Bhadotri."
A Hindi comedy produced by HIREN BOSE.
- 11-0 Close down.



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

- a.m.
8-36 Time Signal.
- Instrumental Music. Sanai Solo.
By GOPAL CHANDRA GHARUI.
- 8-51 Tagore's Song. By HARIPADA CHATTERJEE.
- 9-6 Modern Bengali Song. By KAMALABALA.
- 9-26 Bengali Thungri. By KUMAR SACHIN DEB BURMAN.
- 9-46 Classical Music.
RAMAKRISHNA MISRA Dhrupad and Durbari Todi.
JNANENDRA PROSDAS GOSWAMY Dhrupad and Dhamar,
Asavari.
10-26 LALIT MOHAN MUKHERJEE Dhrupad and Dhamar,
Gaudsarang.
- 10-46 Talk (Bengali): "Stage and Screen Review."
By SPECTATOR.
- 11-6 The Grand Hotel Orchestra.
SB Relayed from the Palm Court of the Grand Hotel.
- News in English.
- p.m.
12-36 Time Signal. Close down.
- 5-36 Special Children's Service.
SB Arranged by the India Sunday School Union, by Scholars
of the Methodist Church Sunday School.
- 6-6 Church Service Relayed from St. Andrew's Church.
SB
- 7-21 Topical Talk (Bengali): "Language Reforms as
introduced by the Calcutta University."
By DR. SUNITI KUMAR CHATTERJEE.
- 7-36 Modern Bengali Song By AMIYA SIRCAR.
- 7-51 Religious Song By SUPROVA CHOSE.
- 8-6 Bhajan By UTTARA DEVI.
- 8-26 Kirtan By BINA CHOWDHURY.
- 8-41 Weather Report (In Bengali).
SB
- 8-46 News in Bengali.
SB
- 9-1 Weather Report (In English).
SB
- 9-6 Time Signal.
SB News in English.

All Times are given in Indian Standard Time.

Sunday, 4th October

TRANSMISSION 2.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.).

p.m.

4-30 Big Ben. A Recital

Of Irish Folk-Songs from West Kerry. Edited and arranged by Herbert Hughes. Megan Foster (Soprano). Gabriel Lavelle (Baritone). Herbert Hughes at the Pianoforte.* Gabriel Lavelle: She Lived beside the Anner; Taim i n-arrears (sung in Gaelic). Megan Foster: O Father, Father Build me a Boat; Bouchaleen Dhoun. Gabriel Lavelle: Innisfree; The Black Ribbon Band. Megan Foster: A Young Maid Stood in her Father's Garden; Green Grows the Laurel. Gabriel Lavelle: Roisin Dubh (sung in Gaelic); Tigaree torum orum. Megan Foster: The Old Turf Fire. Gabriel Lavelle: The Boys of Filemore (ballad of a drag-hunt).

5-7 A Recital

Of Pianoforte Duets by Alec Rowley and Edgar Moy. March, Op. 121 (Schubert). Norwegian Dance, Op. 35, No. 2 (Grieg). Legend, Op. 59, No. 1 (Dvorak). Am Springbrunnen, Op. 85 (Schumann). Fireflies censen). Round Dance, Op. 25, No. 5 (Moszkowski).

5-30 Empire Talk.

5-50 Marjorie Hayward (Violin).†

6-0 The London Palladium Orchestra.

Conductor, Richard Crea. March, Hands Across the Sea (Sousa). Intermezzo, Portia; Oriental March (Suite, Merchant of Venice (Rosse). Lovely Lady (McHugh, arr. Skinner). Selection, The Belle of New York (Kerker, arr. Godfrey).

6-25 Weekly Newsletter

Sports Summary, and Announcements.
Greenwich Time Signal at 6-30 p.m.

6-50 Interlude.†

6-55 A Short Religious Service*

From the Studio. Hymn, Ye Holy Angels Bright (A. and M., 546) When Two or Three, page 69. Psalm 63 (omit last 4 verses). Reading, Genesis XXV(11), 1-4; 10-17. Hymn, Around the Throne of God a Band (A. and M., 335).

7-15

Close down.

TRANSMISSION 3.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.), GSF 15.14 Mc/s (19.82 m.).

p.m.

7-30 Big Ben. A Recital.

By Muriel Wilson (Australian Soprano). Drifting; The Swan (Grieg). Three Days Have Passed Since Nina (Pergolesi). Girometa (Sibella). Song of the Seal (Granville Bantock). Early Morning (Graham Peal).

7-50 The BBC Military Band.

Conductor, B. Walton O'Donnell. Overture, Land of the Mountain and the Flood (MacCunn). A Musical Snuffbox (Liadov). The Irish Maiden (based on two Irish airs): The Pretty Girl Milking the Cows and The Gentle Maiden (B. Walton O'Donnell). Ballet Suite, La Source: (1) Scarl Dance (2) Love Scene (3) Variation (4) Circassian Dance (Delibes). Academic Festival Overture (Brahms).

8-30 Empire Talk.*

8-50 A Recital.

By Bessie Rawlins (Violin).

9-10 Evensong,* from York Minster.

Order of Service: Vestry Prayer. Organ Voluntary. Responses-First Lesson. Magnificat (Howells in G). Second Lesson. Nunc Dimittis (Howells in G). Anthem, Christ the Fair Glory of the Holy Angels (Bullock) (Hymn, E. H., 242).

Greenwich Time Signal at 9-30 p.m.

10-0 Weekly Newsletter

Sports Summary, and Announcements.

10-25 Envoi.†

10-30

Close down.

TRANSMISSION 4.

Three of the following frequencies will be used:

GSG 17.79 Mc/s (16.86 m.), GSO 15.18 Mc/s (19.76 m.)
GSF 15.14 Mc/s (19.82 m.), GSD 11.75 Mc/s (25.53 m.),
GSB 9.51 Mc/s (31.55 m.)

p.m.

10-45 Big Ben. Opening Announcements.

10-50 The BBC Theatre Orchestra.

11-30 Weekly Newsletter

Sports Summary, and Announcements.

11-50 A Programme of Original Works for Brass Band.

The Crystal Palace Band; conductor, Denis Wright. Arthur Cranmer (Baritone). Band: Lament; A Sussex Trudge (conducted by the composer) (Kenneth A. Wright). Overture, Sea Dogs (conducted by the composer) (Maurice Johnstone). Arthur Cranmer: Devon, O Devon, in Wind and Rain; The Fairy Lough; Father O'Flynn (Stanford). Band: Kenilworth: (1) At the Castle Gates (2) Serenade on the Lake (3) March, Kenilworth (conducted by the composer) (Arthur Bliss). Love Duet and Finale (Princess Nada) (Denis Wright).

a.m.

12-30 "The Table under the Tree."

Written by Wilfred Rooke Ley. Music played by Walford Hyden and his Orchestra. Produced by A. W. Hanson.

a.m.

1-15 A Programme of Pianoforte Music.†

1-25 A Religious Service

(Harvest Thanksgiving), from Cransley Church, Northamptonshire. Order of Service: Hymn, Come, ye Thankful People, Come (A. and M., 382; E.H., 289; S.P., 9). The Lord's Prayer. Versicles and Responses. Psalm cl. Lesson, Isaiah ii, 2-5. Nunc Dimittis. The Apostles' Creed. Versicle and Response. Prayers. Hymn, To Thee, O Lord, our Hearts we Raise (A. and M., 384; E.H., 292; S.P., 13). Address by the Rev. Greville Cooke, Hymn, Now Thank we all our God (A. and M., 379; E.H., 533; S.P., 350). Blessing.

2-15 A Recital.

By Etta Bernard (Australian Soprano). Come to me in my Dreams (Arthur Somervell). A Lament (Coleridge-Taylor). Canterbury Fair (Kenneth Leslie-Smith). Ribbons (Vivien Lambelet). June (Quilter).

2-30 Weekly Newsletter

(Second Reading), Sports Summary, and Announcements.

2-50 Fred Hartley

And his Novelty Quintet, with Webster Booth.

3-15 "Last Days of Sail."

Greenwich Time Signal at 3-30 p.m.

4-0 Epilogue.

4-15

Close down.

* Electrical recording. † Gramophone records.

GERMANY (Berlin)

DJA 31.38, DJQ 19.63, DJN 31.45, DJE 16.89.

10-40 a.m. Happy Celebration. 11-45 a.m. Happy Celebration (contd.). 12-25 p.m. Greetings to our listeners. 12-30 p.m. News and Review of the Week in English. 12-45 p.m. Symphony Concert. 2-0 p.m. The Father of the Fatherland. 2-45 p.m. The Shortwave Amateur's Hour. 3-15 p.m. A gay hour of folk songs. "When the many coloured flags are waving."

4-30 p.m. Harvest Thanksgiving. 5-30 p.m. News in English. 5-45 p.m. Greeting to our Listeners no DJQ. 5-50 p.m. Concert of Light Music. 6-30 p.m. News and Review of the Week. 6-45 p.m. A Sunday Evening Programme. 7-0 p.m. Aboard the Etherbus through Germany. 7-30 p.m. News and Review of the Week in English on DJE, DJQ. 7-45 p.m. A jolly hour of Folksongs. "When the many coloured flags wave." 8-15 p.m. Symphony Concert. 9-30 p.m. Close down.

FRANCE (Radio Colonial)

Wavelength 19.68 m. and/or 25.24 m.

11-30 a.m. Relay from P.T.T. Transmitter. 11-50 a.m. Market Prices. 12-0 noon. Records. 12-10 p.m. Relay from P.T.T. Transmitter.

12-25 p.m. Records. 1-0 p.m. Talk on Events in France. 1-15 p.m. Records. 1-45 p.m. News in French. 2-15 p.m. News in English. 2-30 p.m. Close down.

3-25 p.m. Day's Programme. 3-30 p.m. Relay from Radio-Paris-Concert. 4-30 p.m. News in English. 4-45 p.m. Concert-Relayed (contd.). 5-15 p.m. News in French. 5-45 p.m. Concert-Relayed (contd.). 6-30 p.m. Reviews and Periodicals. 6-40 p.m. The Week's Programme, by Mr. P. C. Brive. 6-50 p.m. Colonial Market Prices. 7-0 p.m. Relay. 8-30 p.m. Close down.

9-45 p.m. News in French, Market Prices. 10-30 p.m. Concert-Relayed. 11-0 p.m. Relay of Radio-Journal of France (French News). 11-20 p.m. Talk on the Cinema, by Mr. Lasne-Desvareilles. 11-30 p.m. Concerts. Records. 12-0 midnight. News in English. 12-30 a.m. News in French, Market Prices. 1-0 a.m. Relay. 3-30 a.m. Close down.

HOLLAND (Phohi)

Wavelength 16.88 Metres.

6-25 p.m. Opening announcement. 6-30 p.m. Talk. 6-45 p.m. Broadcast by the Roman Catholic Broadcasting Association for the Indies. March. Talk. Music. Political Review Mission News Journal. 7-45 p.m. Music. 7-50 p.m. Latest News from Holland. 8-0 p.m. Music. 8-10 p.m. Talk in dialect. 8-30 p.m. Close down.

ITALY (Rome)

Wavelength 25.40 and/or 31.13 Metres.

5-13 p.m. Varied programmes. 6-45 p.m. Concert. 10-0 p.m. Concert of varied music. Concert by Cetra Orchestra. Vocal concert, Della Penna baritone, Bianca Tesco, soprano, comments by Elio Sanangelo. 11-50 p.m. Varied programmes.

- p.m.**
9-21 Talk (English): "The Crossing of Lawarie Pass."
SB By CAPT. V. D'AUVERGNE.
No. 1 in the series "The relief of Chitral in 1695."
9-36 "Highlights of 1935." (A Retrospective Programme.)
SB Devised and Written by CECIL MADDEN.
Produced by PASCOE THORNTON.
Narrative spoken by FREDERICK GRISEWOOD.
(A BBC Recorded Programme.)
10-36 Time Signal Close down.



TRANSMISSION 5.

GSP 15.31 Mc/s (19.60 m.), GSD 11.75 Mc/s (25.53 m.), GSC 9.58 Mc/s (31.32 m.).

a.m.

4-30 Big Ben. A Recital

Of Schubert's Songs, by Anne Wood (Contralto). The Heart of Spring. Death and the Maiden. Smiles and Tears. To Sylvia. Her Picture. A Son of the Muses.

4-50

"Cobwebs."*

A sentimental interlude, with Jack Clarke and his Quintet, Billie Baker, and Patrick Waddington. (Musical arrangements by Jack Clarke).

5-20

Fred Hartley and his Novelty Quintet.

5-40

Nosmo King.

Iceland's antidote for the Deep Depression. Assisted by Hubert.

5-50

Fred Hartley and his Novelty Quintet (Contd.)

Souvenirs of Song, No. 40. Nicky (Irish Taylor). The Mountains of Mourne (Percy French). Only a Rose (Friml). (All arrangements by Fred Hartley.)

6-10

The News and Announcements.

Greenwich Time Signal at 6-15 a.m.

6-30

Close down.

TRANSMISSION 6.

GSF 15.14 Mc/s (19.82 m.), GSC 9.58 Mc/s (31.32 m.).

a.m.

7-30 Big Ben. A Recital

Of Irish Folk-Songs from West Kerry. Edited and arranged by Herbert Hughes. Megan Foster (Soprano). Gabriel Lavelle (Baritone). Herbert Hughes at the Pianoforte.* Gabriel Lavelle: She Lived Beside the Anner; Taim i n-arrears (sung in Gaelic). Megan Foster: O Father, Father, Build me a Boat; Bouchaleen Dhoun. Gabriel Lavelle: Innisfree; The Black Ribbon Band. Megan Foster: A Young Maid Stood in her Father's Garden; Green Grows the Laurel. Gabriel Lavelle: Roisin Dubh (sung in Gaelic); Tigaree torum orum. Megan Foster: The Old Turf Fire. Gabriel Lavelle: The Boys of Filemore (ballad of a drag-hunt).

8-6

Variety.*

8-26

A Programme of Military Marches.†

8-40

Around the Counties—No. 5.*

"Buckinghamshire—the cradle of English liberty." Written by John W. Coulter; produced by John Pudney.

9-10

The News and Announcements.

Greenwich Time Signal at 9-15 a.m.

9-30

Close down.

TRANSMISSION 1.

GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.).

p.m.

12-45 Big Ben. A Religious Service

(Church of England),* from Southwell Minster. Order of Service: Hymn, Around the Throne of God (A. and M., 335; S.P., 239) Versicles. Psalm CXLVIII. Lesson, Revelation VII, 9 to end Nunc Dimittis. Creed. Lord's Prayer. Anthem, Hymn to the Trinity (Tchaikovsky). Address by the Rt. Rev. the Lord Bishop of Southwell. Hymn, Saviour Again to Thy Dear Name we Raise (A. and M., 31; S.P., 53). Blessing. Organist and Choirmaster, G. T. Francis.

Greenwich Time Signal at 1-30 p.m.

1-36

The B.B.C. Empire Orchestra.

Leader, Daniel Melsa; conductor, Eric Fogg. Polonaise, Arietta, and Passacaglia (Handel, arr. Harty). Prelude and Dance for Small Orchestra (Miriam Hyde). A la Cubana; Marche militaire (Granados). Scherzo (Moussorgsky, arr. Salabert). Gavotte and Musette (Raff). Selection, L'Enfant Prodigue (Wormser).

2-25

Weekly Newsletter

Sports Summary, and Announcements.

2-50

Close down.

All Times are given in Indian Standard Time.



VUD 340.13 metres, 882 kc/s.

TRANSMISSION I.

- a.m.
- 8-0 *Time Signal.*
Natt By AIR ARTISTS. (A Chorus.)
- 8-10 AIR Orchestra. *Bibhas.*
- 8-20 A. A. Khan. *Khayal Bhairon.*
"Tu mere data".
- 8-30 A. Husain. *Thumri Jonpuri.*
"Mataki mori".
- 8-40 Sarangi and Qanun.
By SABIRI AND MALANG.
- 8-45 Story (Hindustani): "Stories from Indian History." No. 5. Lord Clive.
By DR. AZHAR ALI.
- 9-0 Irshad Ali of Muradabad.
"Hal kia unse bar ham kahen
Na sunenge woh ham hazar kahen". (Hasrat).
- 9-10 H. Husain. *Dadra.*
"Jan-i-man nainan lagae kiya jan ke."
- 9-20 Bhajan. (A Chorus).
"Rok dagar murli man Mohan gher fai sab nari."
- 9-30 Ghulam Sabir. *Sitar—Bhairvin.*
- 9-40 Irshad Ali.
"Na hoga shifa charagar dekh lena
Na jagae dard-i-jigar dekh lena." (Hasrat).
- 9-50 AIR Orchestra. *Madh Mad.*
- 10-0 *Close down.*

TRANSMISSION II.

- p.m.
- 12-30 *Time Signal.*
Indian Recorded Music.
- | | |
|---------------|----------|
| ANGUR BALA | Thumri. |
| K. C. DAY | Bhajan. |
| JANKI BAI | Dadra. |
| YUSUF AFANDI | Ghazal. |
| KANAN BALA | Geet. |
| ZAMIRUDDIN | Thumri. |
| ZOHRA JAN | Ghazal. |
| FIDA HUSAIN | Qawwali. |
| GOHAR BAI | Ghazal. |
| INAYAT HUSAIN | Sitar. |
- 1-30 *Close down.*

TRANSMISSION III.

- 5-30 *Time Signal.*
AIR Orchestra. *Purbi.*
- 5-40 Irshad Ali.
"Jan se tang hamara dil-i-diwana hai
Zindagi kahoe ko hai maut ka afsana hai." (Jigar).
- 5-50 Master Jivan. *Clarinet—Marwa.*
- 5-55 Malang Khan. *Khayal Purba.*
- 6-5 H. Husain. *Dadra.*
"Man harwa marori mori bayyan".
- 6-15 Ghulam Sabir. *Sarangi—Puriya.*
- 6-20 1st News and Weather Report (Hindustani).
- 6-30 1st News and Weather Report (English).
- 6-40 AIR Orchestra. *Nat Chhaya.*
- 6-50 Irshad Ali. *Ghazal Behag.*
"Aya na ras nala-i-dil ka asar mujhe
Ab tum mile tokuchh nahin apni khabar mujhe." (Jigar).
- 7-0 Afzal Husain. *Thumri Desh.*
"Kare kahun main apne jiya ki sakhhire".
- 7-10 Qawwali. By AIR ARTISTS.
- 7-30 "For Villagers Only".
(Delhi Market Rates at 8 p.m.)
- 8-30 Talk (Hindustani): "Books of the Month." No. 2 Urdu.
By MIRZA MOHAMMAD SAID.
- 8-45 * **Pahar ki Shadi.**
An Opera in Simla Hill Dialect.

Monday, 5th October

- p.m.
- 9-15 2nd News and Weather Report (Hindustani).
9-30 *Time Signal.*
2nd News and Weather Report (English).
- 9-45 Talk (English): "Teeming Millions." No. 1.
The Pace of increase, reasons of increase and difficulties of the future.
By DR. AHMAD MUKHTAR, Professor of History and Economics, University of Bombay.
(Relayed from Bombay.)
- 10-0 † **A Symphony Concert.**
By His Excellency the Viceroy's Orchestra.
(By kind permission of His Excellency the Marquess of Linlithgow.)
- MRS. HUGH CROSTHWAITE - - - - - Soprano.
HUBERT A. MADGE - - - - - Violin.
- and
- MEMBERS OF LOCAL MILITARY BANDS, MENDOZA'S BAND,
AND WELL-KNOWN AMATEURS.
- ORCHESTRAS.
- Three Dances "Prince Igor" - Borodin.
from MRS. HUGH CROSTHWAITE.
- Operatic Aria "Ombra Leggiera" - Meyerbeer.
from "Dinorah"
- ORCHESTRAS.
- New World Symphony - - - - - Dvorak.
HUBERT MADGE.
- Concerto for Violin and Orchestra in
E Minor - - - - - Mendelssohn.
- MRS. HUGH CROSTHWAITE.
- Aria "Porgi L'Amour" - Mozart.
(The Marriage of Figaro).
"The Sands of Dee." - Clay.
- ORCHESTRAS.
- Overture "The Marriage of Figaro" - Mozart.
- 11-0 *Close down.*
- * Relayed from our Simla Studio.
† Relayed from Davico's Ballroom, Simla.



VUB 350.9 metres, 855 kc/s. 31.36 metres, 9565 kc/s.

- a.m.
- 11-30 **A Selection of Indian Music.**
- VASANT KUMAR.
"Krishna Kanayya."
"Prem May Aye Bina."
- SALAMATBAI.
"Chali Jari Badariya."
"Sakhi Ri Maina."
- ABDUSHUKUR.
"Allahu."
"Arabwale Balma."
- R. H. KAPOOR A. KAREEM AND PARTY.
"Golden Jubilee Mubarak."
"Jam Jam Jiyenge."
- COLUMBIA URDU COMIC PARTY.
"Pathan Ka Danda." Comie.
"Be Ticket Hijada."
- KAMLA AND PARTY.
"Vahali Vacation."
"Prithina Path."
- COLUMBIA DRAMATIC PARTY.
"Gujerati Drama Dayasagar"
- p.m.
- 1-0 Available Market Rates.
Lunch Hour Selections.
(Parlaphone Records).
- THE GRAND SYMPHONY ORCHESTRA.
Overture "The Opera Ball."
- RAQUEL MELLER.
"La Violetera."
"El Relicario."
- THE GRAND SYMPHONY ORCHESTRA.
"In a Chinese Temple Garden."
"By the Blue Hawaiian Waters."
- RAQUEL MELLER.
"Lagarternas."
"Rafaelito."
- ORCHESTRA MASCOTT.
Waltz. "Blossom Dreams."
"Spring in Japan."
- LILIAN HARVEY.
Waltz song "To-day I am happy."
Fantasy from film "Black Roses."
- GEORGE BOULANGER AND HIS ORCHESTRA.
"Hungarian March Potpourri."
- 2-0 *Close down.*

- p.m.
- 5-30 Relay from Wellington Cinema.
(By kind permission of the Management.)
- 6-15 Talk (Marathi): "Sensible Mothers' Problems."
By DR. MISS MIRABAI BHATT.
- 6-30 Filmusic
By LAHANU NAGPURE
With Sarangi, Harmonium and Tabla.
- 7-15 Shree Bhagwat Geeta Pravachan
By PANDIT LAXMANRAO OGHALE.
- 7-30 Light Classical Music
By VATSALABAI KUMTEKAR
With Sarangi, Harmonium and Tabla.
- 8-30 Commercial News and News in Hindi.
- 9-0 "Sangit Raja."
A Musical sketch in Gujerati.
Written and directed by L. H. GHELANI, starring
SHMABAI, MAGANLAL, LAT SAHEB and others.
- 9-30 Talk (English): "Some Recent Development in Science."
By DR. NAZIR AHMED.
- 9-45 News in English.
- 10-0 A Farewell Concert
SB By JOSEPH NEUMANN AND HIS HUNGARIAN ORCHESTRA.
Overture "The Barber of Seville" - Rossini.
Waltz "Princess Bess" - Mena Silas.
JOSEPH NEUMANN. (Violin solo).
"Violin Concerto in E Minor."
(1st part) - Mendelssohn.
- ORCHESTRA.
- "From Schubert's Sketch Book" - Urbach.
"Old Favourites." (By request). Arr. Neumann.
Folk Songs and Czardas—Russian and Hungarian.
Close down.
- 11-0



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

- p.m.
- 12-36 *Time Signal.*
SB * **Musical Selections from the Studio.**
- 1-0 Talk (English): "Stockholm and its Environments."
SB By FROKEN ASTRID QUAM.
- 1-20 * **Latest Dance Music.**
SB
- Calcutta Weather Bulletin for Oceanraft and Rivercraft.
- 1-36 Talk: "Romance of Geography—Foot-prints in the Polar Region."
By NRIPEN CHATTERJEE.
A Broadcast for School Students.
- 2-6 * **Musical Selections.**
- 2-36 Talk (Bengali): "Sri Krishna on the way to Mathura."
By AMULYA KRISHNA BHATTACHARYA.
- 3-6 *Time Signal. Close down.*
- 5-6 *Time Signal.*
Talk (Bengali): "Stories from Village Life."
By DA THAKUR.
- 5-36 Folk Song with Dotara By NIBARAN CHAKRAVARTY.
- 5-51 Bhatiali Song By ASHALATA ROY.
- 6-6 Tagore's Song By ANIL BAGCHI.
- 6-21 "Equal Rights." (A Melodrama).
Written and Produced by NANI DAS GUPTA, featuring
BIJALI DAS GUPTA. JYOTSNA DAS GUPTA.
BASANTI DAS GUPTA. LILY DAS GUPTA.
MANJULA DAS GUPTA. NANI DAS GUPTA.
SANHYA DAS GUPTA. MANI DAS GUPTA.
INDU DAS GUPTA. AJIT CHATTERJEE.
CHARAN TAGORE.
- 7-1 A Musical Entertainment.
By the members of New Theatres Ltd.
Relayed from the Tollygunge Studio.
(By kind permission of the Management).
- 8-1 Talk (Bengali): "The New Indian Constitution."
By PROF. J. C. SINHA.
- 8-21 Clarinet Solo By N. N. MAZUMDAR.
- 8-41 Commercial News and Weather Report (In Bengali).
SB
- 8-46 News in Bengali.
SB
- * Gramophone records.

All Times are given in Indian Standard Time.

- p.m.**
9-1 Commercial News and Weather Report (*In English*).
SB
9-6 *Time Signal.*
SB News in English.
9-21 Talk (*English*): "The Invisible Universe."
SB By SYED MEHDI IMAM.
9-36 A Studio Programme by Taylor's Gramophone
SB Saloon.

("H.M.V." Recording).

- ALFREDO CAMPOLI'S ORCHESTRA.
 "Teddy Bears Picnic."
 "Mouse in the Clock."
 PETER DAWSON.
 "Load the Covered Wagon."
 "Rolling Along."
 BOSTON ORCHESTRA.
 "Intermezzo."
 "Song of India."
 PAUL WHITEMAN'S ORCHESTRA WITH PAUL ROBESON.
 "Show Boat." *Vocal Gems.*
 "O! Man River."
 STEW FLETCHER'S ORCHESTRA.
 "You."
 "You never looked so Beautiful."
 MAREK WEBER'S ORCHESTRA.
 "My Lips are made for Kissing."
 "Stay with me for ever."
 FRANCES DAY.
 "I'm a Fool for Loving You."
 "You have that extra something."
 REGINALD FOORT. (*Organ*).
 "Medley of Daly's Favourites."

10-36 *Time Signal. Close down.*



TRANSMISSION 5.

GSP 15.31 Mc/s (19.60 m.), GSD 11.75 Mc/s (25.53 m.),
 GSC 9.58 Mc/s (31.32 m.)

- a.m.**
4-30 Big Ben. Beethoven String Quartets.
5-0 A Religious Service.
5-50 A Recital.
6-10 Weekly Newsletter.
 Sports Summary, and Announcements.
Greenwich Time Signal at 6-15 a.m.
6-30 *Close down.*

TRANSMISSION 6.

GSP 15.14 Mc/s (19.82 m.), GSC 9.58 Mc/s (31.32 m.)

- a.m.**
7-30 Big Ben. A Short Religious Service.*
 From the Studio. Hymn, Ye Holy Angels Bright (A. and M., 546).
 When Two or Three, page 69. Psalm 63 (omit last 4 verses).
 Reading, Genesis XXVIII, 1-4, 10-17. Hymn, Around the Throne of
 God a Band (A. and M., 335).
7-46 The Band of His Majesty's Scots Guards.
 (By permission of Colonel E. W. S. Balfour, D.S.O., O.B.E., M.C.,
 Commanding Scots Guards), conducted by Lieut. H. E. Dowell,
 Director of Music, Scots Guards. Overture, Zampa (Herold),
 Cornet Solo, The Lost Chord (soloist, Corporal W. Bowles (Sullivan)
 Selection, Maritana (Wallace). Two Light Pieces: (1) Lubly Lulu
 (2) Folies Bergeres (Fletcher). Intermezzo, Little Gadabout (Colin).
 Regimental Quick Marches of the Brigade of Guards: The Grenadier;
 The Scots; The Irish; The Welsh; The Coldstream (Trad.).
8-35 Empire Talk.*
8-55 A Short Recital.
 By Molly Mooney (Canadian Soprano). Claribel; Love's Lament
 (Michael Head). The Night Wind (Roland Farley). A Birthday
 (Huntington-Woodman). Drink to Me Only (arr. Quilter).
9-10 Weekly Newsletter.
 Sports Summary, and Announcements.
Greenwich Time Signal at 9-15 a.m.
9-30 *Close down.*

TRANSMISSION 1.

GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.)

- p.m.**
12-45 Big Ben. A Recital.
 By Robert Geddes (New Zealand Baritone) and Helen Irving (New
 Zealand Pianist). Robert Geddes: Where e'er you Walk (Semele)
 (Handel), A Soft Day (Stanford), The Pretty Creature (Lane Wilson).
 Helen Irving: Giga (Antoine Kammell, arr. Craxton and Moffat),
 The Joyous Little Brook; The New Cebeil at Matlock Bath (Pepusch,
 arr. Moffat), Praeludium (Jarnefelt, arr. Taubmann). Robert
 Geddes; Now Sleeps the Crimson Petal; Drink to Me Only with
 Thine Eyes; Fill a Glass with Golden Wine (Quilter). Helen
 Irving; On the Hill Tops (English Pastoral, Op. 48, No. 4) (Ernest
 Austin), Tanz-Humoreske (Piano Sketches) (Palmgren).

Monday, 5th October

- p.m.**
1-16 "Down to the Sea in Ships: Sea Harvests (11)."
 Wynn Thomas.
Greenwich Time Signal at 1-30 p.m.
1-36 Dance Music.†
1-45 Light Programme.*
2-25 The News and Announcements.
2-45 *Close down.*

TRANSMISSION 2.

GSH 21.47 Mc/s (13.97 m.) GSG 17.79 Mc/s (16.86 m.)

- p.m.**
4-30 Big Ben. "Cobwebs."
 A sentimental interlude, with Jack Clarke and his Quintet. Billie
 Baker, and Patrick Waddington. Musical arrangements by Jack
 Clarke.
5-2 "Empire Exchange."
 Points of view on Imperial affairs given by travellers from the
 Dominion and the Colonies.
5-17 An Act of an Opera.†
5-45 Haydn Heard and his Band.
 From the West End Cinema, Birmingham. Waltz, Brook Trout
 (Kral), Argentine Tango, Corrida Real (Joselito). There isn't
 any Limit to my Love (Sigler). Selection, Chaminade's Songs (arr.
 Gehl). Let's Sing Again (McHugh); Two Dances (The Con-
 querer) (Edward German).
6-15 Bertha Willmott.
 In a selection of old music-hall songs.
Greenwich Time Signal at 6-30 p.m.
6-30 The News and Announcements.
6-50 The BBC Dance Orchestra.*
 Directed by Henry Hall.
7-15 *Close down.*

TRANSMISSION 3.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.)
 GSF 15.14 Mc/s (19.82 m.)

- p.m.**
7-30 Big Ben. Arthur Salisbury and his Orchestra
 From the Savoy Hotel, London. I Nearly Let Love Go Slipping
 through my Fingers (Woods). Selection, Samson and Delilah
 (Saint-Saens). Slave Dance, No. 6 (Dvorak). Liebestraum (Liszt).
 Gift from Heaven (Brown). Selection, Merrie England (Edward
 German).
8-0 "Some Queer Experiences in West Africa."
 By Mrs. Goddard.
8-15 A Programme of Waltzes.†
8-25 Light Programme.*
9-5 A Ballad Concert.
 Frances Morris (Soprano). Frederick Masters (Baritone). Frances
 Morris: Thoughts Have Wings (Liza Lehmann), Over the Moun-
 tains (Roger Quilter). Frederick Masters: I am a Roamer (Mendels-
 sohn), In Youth is Pleasure (Benbow). Frances Morris: Gathering
 Daffodils (Somervell), The Dove; Love, I have Won you (Landon
 Ronald). Frederick Masters: Gipsies (Graham Peel), West Country
 Lad (Edward German).
Greenwich Time Signal at 9-30 p.m.
9-30 Donald Thorne, at the Organ of the Granada
 Tooting.
10-0 The News and Announcements.
10-20 Dance Music.†
10-30 *Close down.*

TRANSMISSION 4.

Three of the following frequencies will be used:
 GSG 17.79 Mc/s (16.86 m.), GSO 15.18 Mc/s (19.76 m.)
 GSF 15.14 Mc/s (19.82 m.), GSD 11.75 Mc/s (25.53 m.)
 GSB 9.51 Mc/s (31.55 m.)

- p.m.**
10-45 Frank Biffo's Brass Quintet.
 Jack Salisbury (Violin). Quintet: Tea Dolls' Parade (Moret), At
 Dawning (Cadman), Let's Sing Again (McHugh, arr. Evans). Jack
 Salisbury: Spanish Dance (Gomez), Guitarre (Moszkowski).
 Quintet: Valse lente (Ballet russe) (Louigini), Rosalie (Engleman).
 Danse macabre (Saint-Saens). Jack Salisbury: Slavische Tanze
 (Zimbalist), Hullaambo Balaton (Hubay). Quintet: Intermezzo
 (Madam Butterfly) (Puccini), Toreador et Andalouse (Rubinstein).
 (All arrangements for the Quintet by Beaver and Fletcher, except
 where otherwise stated).
11-30 The News and Announcements.
11-50 The BBC Military Band.
 Conductor, B. Walton O'Donnell. David Buchan (Pianoforte).
 Band: Selection, Merrie England (Edward German). David
 Buchan: Improvisations on pieces played by the band. Band:
 Symphonic Poem, Danse macabre (Saint-Saens), Interlude, Over the
 Hills (Herbert Bedford), Rakoczy March (Berlioz).

- a.m.**
12-30 "Empire Exchange."
 Points of view on Imperial affairs given by travellers from the
 Dominions and the Colonies.
12-45 Variety.†
1-0 A Recital.
 By David Wise (Violin), James Whitehead (Violoncello), Ernest Lush
 (Harpichord), and Sophie Wyss (Soprano).
1-30 The BBC Dance Orchestra.
 Directed by Henry Hall.
2-0 Pianoforte Recital.
 By Geza Frid.
2-30 The News and Announcements.
2-50 A Short Recital.
 By William Biggs (Tenor).
3-5 Harold Ramsey, at the Organ of the Regal Cinema.
 Kingston-on-Thames.
Greenwich Time Signal at 3-30 a.m.
3-30 Chamber Music.
 The Brosa String Quartet.
4-15 *Close down.*

* Electrical recording. † Gramophone records.

GERMANY (Berlin)

DJA 31.38, DJQ 19.63, DJN 31.45, DJE 16.89.

- 10-40 a.m.** Entertainment Hour. **11-45 a.m.** Entertain-
 ment Hour (contd.) **12-30 p.m.** News and Economic Review
 in English. **12-45 p.m.** To-day in Germany. Sound Pictures.
1-0 p.m. The Maid as Mistress. Operatta by Pergolese.
2-0 p.m. Music and Poetry "Born to see, and ordered to look."
2-45 p.m. Sports Review. **3-15 p.m.** Children's Hour.
4-30 p.m. Concert of Light Music. **5-30 p.m.** News in
 English. **5-45 p.m.** Greetings to our Listeners in the Far East.
5-50 p.m. Concert of Light Music (contd.). **6-45 p.m.**
 Orchestral Concert. **7-30 p.m.** News and Economic Review
 in English on DJE, DJQ. **7-45 p.m.** To-day in Germany.
 Sound Pictures. **8-0 p.m.** Hitler Youth Programme: Light
 Music. **8-15 p.m.** Dance Music. **9-15 p.m.** Sports Review.
9-30 p.m. *Close down.*

FRANCE (Radio Colonial)

Wavelength 19.68 m. and/or 25.24 m.

- 11-30 a.m.** Relay from P.T.T. Transmitter. **11-50 a.m.**
 Market Prices, Rates of Exchange. **12-0 noon.** Records.
12-10 p.m. Relay from P.T.T. Transmitter.
12-25 p.m. Records. **1-0 p.m.** Talk on Events in France.
1-15 p.m. Records. **1-45 p.m.** News in French. **2-15 p.m.**
 News in English. **2-30 p.m.** *Close down.*
3-25 p.m. Day's Programme. **3-30 p.m.** Relay from
 Radio-Paris—Concert. **4-30 p.m.** News in English. **4-45 p.m.**
 Concert-Relayed. (contd.). **5-15 p.m.** News in French.
5-45 p.m. Concert-Relayed. (contd.). **6-30 p.m.** Talk on
 the Fine Arts, by Mr. Dirole. **6-40 p.m.** Humour of To-day,
 by Mr. Dessoudeix. **6-50 p.m.** Colonial Market Prices,
 Rates of Exchange. **7-0 p.m.** Concert with Mrs. Humbert,
 vocalist; Mrs. Weill, pianist; Miss Bessis, 'cellist; Mr. Chas-
 tenet, tenor. **8-25 p.m.** Rates of Exchange and French Stock
 (Rentes). **8-30 p.m.** *Close down.*
9-45 p.m. News in French, Market Prices, Rates of Ex-
 change. **10-30 p.m.** Concert-Relayed. **11-0 p.m.** Relay
 of Radio-Journal of France (French News). **11-20 p.m.**
 Revistas. **11-30 p.m.** Concert-Relayed (contd.). **12-0**
midnight. News in English. **12-30 a.m.** News in French,
 Market Prices. **1-0 a.m.** Relay. **3-30 a.m.** *Close down.*

HOLLAND (Phohi)

Wavelength 16.88 Metres.

- 6-30 p.m.** Opening announcement. **6-35 p.m.** Music.
6-40 p.m. Latest News from Holland. **6-55 p.m.** Music.
7-10 p.m. Musical show. **7-30 p.m.** Talk on sports by
 Mr. C. J. Grothoff. **7-45 p.m.** The Symphonic Orchestras.
8-10 p.m. Dance music. **8-30 p.m.** *Close down.*

ITALY (Rome)

Wavelength 25.40 and/or 31.13 Metres.

- 5-13 p.m.** Varied programmes. **6-45 p.m.** Concert. Talk.
 Special women's broadcast: "Giuseppina Guacci Nobile."
7-30 p.m. News in English. Symphonic concert. Selection
 from the opera: "The legend of Sakuntala" by Franco Alfano.
 Talk. "The organization of fascist youth" by D. S. Piccoli.
10-0 p.m. Mandoline concert. Vocal concert folk songs
 sung by soprano Gualda Caputo and mezzo soprano Luisetta
 Castellazzi. Comments by Nino Meloni. **11-10 p.m.** Concert
 of Arabian music.

All Times are given in Indian Standard Time.



VUD 340.13 metres, 882 kc/s.

TRANSMISSION I

- a.m.
8-0 *Time Signal.*
Shrimad Bhagwad Geeta.
(With rendering in Hindi.)
- 8-15 **Bhajan.**
By AIR ARTIST. (A Chorus.)
- 8-25 A. A. Khan. *Khayal Deshkar, Thumri Kalangra.*
- 8-45 **Talk : (Hindustani) :** "Foundation of Indian Music." No. 6. By S. S. NIAZI.
- 9-0 **AIR Orchestra.** *Ram Kali.*
- 9-10 **Jugli Bai.** *Thumri Dadra.*
- 9-30 A. A. Khan.
"Tund mai aur aise kamsin ke liye
Saqiya halki si la in ke liye." (*Amir Minai.*)
- 9-40 **Jugli Bai.**
"Laya hai dil par kaisi kharabi
Ae yar tera husn-i-sharabi." (*Hasrat Mohani.*)
- 9-50 A. A. Khan.
"Lutf ki un se iltija na karan
Ham ne aisa kabhi kiya na karen." (*Nasrat Mohani.*)
- 10-0 *Close down.*

TRANSMISSION II

- p.m.
12-30 *Time Signal.*
Indian Recorded Music.
- | | | | | |
|-------------------|---|---|---|---------|
| AKHTARI FAIZABADI | - | - | - | Thumri. |
| MUKHTAR BEGUM | - | - | - | Ghazal. |
| JADDAN BAI | - | - | - | Khayal. |
| KHURSHID BAI | - | - | - | Thumri. |
| SHAMSHAD BAI | - | - | - | Ghazal. |
| MAHBOOB JAN | - | - | - | Ghazal. |
| LAXAMI BAI | - | - | - | Thumri. |
| USHA RANI | - | - | - | Ghazal. |
| KANAN BALA | - | - | - | Geet. |
| KAMLA JIARIA | - | - | - | Ghazal. |
- 1-30 *Time Signal.*
"Bright Hours."
(A Recorded Programme.)
- THE BOHEMIANS (Columbia DB-1208).
"The Dollar Princess Waltz."
"Moonlight on the Alster."
- INTERNATIONAL ACCORDION BAND. (With vocal refrain). (Regal T-6147).
"The Gay Nineties."
- J. H. SQUIRE CELESTE OCTET (DB-907).
"Spring Song" Mendelssohn.
- MARRIOTT EDGAR (C-2707).
"With her head tucked underneath her arm."
"The Lion and Albert."
- DEBROY SOMER'S BAND (DX-220).
Irving Berlin Waltz Songs (Medley).
- BAND OF H. M. COLDSTREAM GUARDS (H.M.V. C-1703).
"The Geisha."
"The Belle of New York."
- LIGHT OPERA COMPANY (C-1450).
Vocal Gems from "Lilac Time."
- DEBROY SOMER'S BAND (Columbia DX-318).
"Ballads we love."
- 2-30 *Close down.*

TRANSMISSION III

- 5-30 *Time Signal.*
AIR Orchestra. *Basant.*
- 5-40 **Malang Khan.** *Khayal Gauri.*
- 5-50 **Jugli Bai.** *Thumri Pilu.*
Accompanied by *Sitar, Sarangi and Tabla.*
- 6-0 A. A. Khan. *Thumri Puria Dhansari.*
- 6-10 **Jugli Bai.** "Nargis-i-Mastana."
"Apna hi sa ai nargis-i-mastana bana de
Main jab tuihe janun mujhe diwana bana de." (*Jigar.*)
- 6-20 **1st News and Weather Report (Hindustani.)**
- 6-30 **1st News and Weather Report (English)**
- 6-40 **AIR Orchestra.** *Aiman Kalian.*

Tuesday, 6th October

- p.m.
6-50 A. A. Khan.
"Sine ka zakhm ah ki sakhti se chhil gaya
Achha hua maza to mahabat ka mil gaya."
(*Akbar Allahabadi.*)
- 7-0 **Jugli Bai.** *Khayal Thumri.*
- 7-20 **Malang Khan.** *Sitar, Khambavati.*
- 7-30 "For Villagers Only."
(*Delhi Market Rates at 8 p.m.*)
- 8-30 **Interview (Hindustani) :** "The Workers of India" No. 6. The Villager.
By DR. K. M. ASHRAF.
- 8-45 A. A. Khan. *Classical Music.*
- 9-15 **2nd News and Weather Report (Hindustani.)**
- 9-30 *Time Signal.*
2nd News and Weather Report (English.)
- 9-45 **Debate (English) :** "Whether English should be the medium of instruction."
Yes. FREDK. E. JAMES, M.A., O.B.E.
No. DR. ZAKIR HUSSAIN.
No. 6 in the series, "Unwillingly to School."

10-0 **The All-India Music Conference**
RELAYED FROM AJMERE.
TASADDUQ HUSSAIN, MASTER VASANT, MISS SHANTA AMLADI and others are expected to take part.

11-30 *Close down.*

BOMBAY

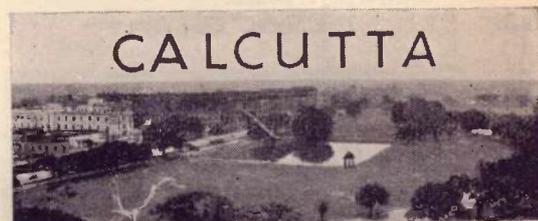


VUB 350.9 metres, 855 kc/s.

- a.m.
11-30 **Gazals and Quwalis**
By SHAIKHLAL SHAIKH HUSSEIN.
- noon.
12-0 **Light Music**
By MATHUBAI ISLAMPURKAR.
With *Sarangi, Harmonium and Tabla.*
- p.m.
1-0 **Available Market Rates.**
A Selection of Brunswick and Decca Records.
JIMMY DORSEY AND HIS ORCHESTRA.
Foxtrot "You never looked so beautiful."
Foxtrot "You."
JESSIE MATHEWS.
"It's love again."
"Ton's in Town."
"I nearly let my love go."
"Got to dance my way to heaven."
HENRY KING AND HIS ORCHESTRA.
Foxtrot "Ol' man river."
Foxtrot "Make believe."
GRACE MOORE.
"What shall remain."
"The End Begins."
"Stars in my Eyes."
"Learn how to lose."
THE MILLS BROTHERS *Vocal Quartet.*
"Rhythm saved the world."
"Shoe shine boy."
TED FIORITO AND HIS ORCHESTRA.
Foxtrot "I dont have to dream."
Foxtrot "You gotta know how to dance."
- 2-0 **Relay from the Rotary Club. (If any).**
- 2-30 *Close down.*
- 6-0 **Relay from Capitol Cinema.**
(By kind permission of the Management.)
- 6-30 "It was in the Papers."
(A BBC Recorded Programme).
By JOHN WATT AND HENRIK EGE.
Music by HARRY S. PEPPER.
(This interesting recorded programme was last broadcast on the 6th June 1936 and we repeat it to-day by request)

- p.m.
7-30 **Talk (English) :** "Cooking without Tears."
Afternoon Tea Ideas ; Attractive Cakes
By HILDA FLANDERS.
- 8-0 **An Orchestral Concert**
By MENDOZA AND HIS BAND.
Sinfonia - "Vespri Siciliani" - G. Verdi.
Valse - "Les Sirenes" - Walleufel.
Rumba - "Bombolo" - Mascher.
Grottesque - "Lucia" di Hamer-
Fantasia - "Fame and Glory" - Donizetti.
- 8-30 **Commercial News and News in Hindi.**
- 9-0 **The Orchestral Concert (contd.).**
Selections on two Pianos Manoell and Polycarp.
Paso doble - "Spagnolo" - Tartara.
Selection - "Desert Song" - Romberg.
Intermezzo - "Scherzo-Serenata" - Rosetta.
March - "Fame and Glory" - Matt.
- 9-30 **Talk (English) :** "Geology—Principles and Methods."
By RUDOLF VON LEYDEN, D.C., (Germany).
- 9-45 **News in English.**
- 10-0 **Light Classical Music**
By MENAKA of Belgaum.
With *Sarangi, Harmonium and Tabla.*
- 11-0 *Close down.*

CALCUTTA



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

- p.m.
12-36 *Time Signal.*
SB *Musical Selections from the Studio.
- 12-51 **Robert Pikler and his Hungarian Orchestra.**
SB Musical Selections.
Relayed from "Firpo's" Restaurant.
(By kind permission of the Management).
Calcutta Weather Bulletin for Oceancraft and Rivercraft.
- 1-36 **Talk (Bengali) :** "Ashwamedh by Sree Ram Chandra."
By GOUR MOHAN MUKHERJEE.
- 2-6 *Musical Selections.
- 2-36 **Talk (Bengali) :** "Women of Antiquity."
By BISHNU SARMA.
- 3-6 *Time Signal. Close down.*
- 5-6 *Time Signal.*
Stories from Mahabharata "Mousal, and Swargarohan Parva."
By MEJDIDI.
"Chandrabash." Presented by BYOM KALI BALIKA SANGHA.
A play by Children.
Written and Produced by MAKHAN LAL MUKHERJEE.
- 6-36 **Music Training for Beginners by P. K. MULLICK.**
Modern Bengali Songs
- 7-6 By DHIRENDRA CHANDRA ADHIKARY.
- 7-21 By RABINDRA MOHAN BOSE.
- 7-36 "The Call of the Earth." (A Fable in Musical Duologue).
Written by DEBABRATA BOSE.
Produced by SURA NATH MAZUMDAR.
Artistes :
BHAWANI DAS.
RADHARANY.
Supported by the Jantri Sangha.
- 8-6 **Talk (Bengali) :** "Economics in everyday life—Money through the Ages."
By A. K. SUR.
- 8-21 **Selected Bengali Songs** By KRISHNA CHANDRA DEY.
- 8-41 **Commercial News and Weather Report (In Bengali).**
SB
- 8-46 **News in Bengali.**
SB
- 9-1 **Commercial News and Weather Report (In English).**
SB

All Times are given in Indian Standard Time.

- p.m.
9-6 SB News in English. *Time Signal.*
9-21 Talk (English): "Travelling Theatricals."
SB By L. G. E. CLARKE.
No. 1 in the series, "Busking through India."
9-36 Jack Holmes and his Orchestra.
SB With H. COUTTS. Tenor.
10-36 *Time Signal. Close down.*



TRANSMISSION 5.

GSP 15.31 Mc/s (19.60 m.), GSD 11.75 Mc/s (25.53 m.),
GSC 9.58 Mc/s (31.32 m.).

- a.m.
4-30 **Big Ben. "Standing on a Corner."**
Book and lyrics by Charles Hayes. Music arranged and composed by George Barker. The cast supported by the B.B.C. Revue Chorus and the B.B.C. Empire Orchestra (leader, Daniel Melsa), under the direction of Clifton Helliwell. Production by William MacLurg.
5-22 **"Empire Exchange."**
Points of view on Imperial affairs given by travellers from the Dominions and the Colonies.
5-37 **A Recital.**
By John Goss (Baritone) and Antoni Sala (Violoncello). Antoni Sala; Sonata: Largo; Allegro; Adagio, leading to Allegro tempo minuetto (Porpora, arr. Piatti); John Goss; To the Nightingale: Her Window; Roses Three; Night Lay so Still; In Woodland Solitude; Rose-lipt Maid (Brahms). Antoni Sala: Adagio (Bach, arr. Siloti), Granada (Albeniz, arr. Sala), La fileuse (Dunkler).
6-10 **The News and Announcements.**
Greenwich Time Signal at 6-15 a.m.
6-30 *Close down.*

TRANSMISSION 6.

GSP 15.14 Mc/s (19.82 m.), GSC 9.58 Mc/s (31.32 m.).

- a.m.
7-30 **Big Ben. "Cobwebs."**
A sentimental interlude, with Jack Clarke and his Quintet, Billie Baker, and Patrick Waddington. (Musical arrangements by Jack Clarke.)
8-1 **"Empire Exchange."**
Points of view on Imperial affairs given by travellers from the Dominions and the Colonies.
8-16 **A Sonata Recital.**
By Marjorie Hayward (Violin) and G. O'Connor Morris (Pianoforte). Sonata in G, Op. 96: Allegro moderato; Adagio espressivo—scherzo, Poco allegretto (Beethoven).
8-50 **"Down to the Sea in Ships: Sea Harvests—(11)."**
Wynn Thomas.
9-10 **The News and Announcements.**
Greenwich Time Signal at 9-15 a.m.
9-30 *Close down.*

TRANSMISSION 1.

GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.).

- p.m.
12-45 **Big Ben. A Recital**
Of Beethoven's Pianoforte Sonatas by Betty Humby. Sonata in C minor, Op. 13 (Pathétique); Grave—Allegro di molto e con brio; Adagio cantabile; Rondo, Allegro. Sonata in F sharp, Op. 78; Adagio cantabile—Allegro ma non troppo; Allegro vivace.
1-15 **"Empire Exchange."**
Points of view on Imperial affairs given by travellers from the Dominions and the Colonies.
Greenwich Time Signal at 1-30 p.m.
1-30 **Musical Interlude**†
1-35 **"Standing on a Corner."**
Book and lyrics by Charles Hayes. Music arranged and composed by George Barker. The cast supported by the B.B.C. Revue Chorus and the B.B.C. Empire Orchestra (leader, Daniel Melsa), under the direction of Clifton Helliwell. Production by William MacLurg.
2-25 **The News and Announcements.**
2-45 *Close down.*

TRANSMISSION 2.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.).

- p.m.
4-30 **Big Ben. "Empire Magazine," No. 8.**
A weekly review of things at home. Edited by Pascoe Thornton.

Tuesday, 6th October

- p.m.
5-2 **The BBC Northern Ireland Orchestra.**
Leader, Philip Whiteaway; conductor, E. Godfrey Brown. Overture in D minor (Handel, orch. Elgar). Largo in G (Handel, orch. Helmesberger). Serenade (Fidler). Berceuse de Jocelyn (Godard). Capriccio espagnol (Rimsky-Korsakov).
6-0 **The Amington Band.**
Conductor, Roland Davis. Samuel Saul (Baritone). Band: March, Punchinello (Rimmer), On the Track (solo xylophone, W. Oakes) (Simpson, arr. Davis). Samuel Saul: Youth (Allitsen), The Devout Lover (White). Band: Selection, Norma (Bellini), Paraphernalia (solo trombone, T. Bainbridge) (Davis).
Greenwich Time Signal at 6-30 p.m.

6-30 The News and Announcements.

6-50 Variety.†

7-15 *Close down.*

TRANSMISSION 3.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.)
GSF 15.14 Mc/s (19.82 m.).

- p.m.
7-30 **Big Ben. "Foreign Affairs."**
By Sir Frederick Whyte, K.C.S.I., LL.D.
7-46 **A Short Recital.**
By Joshua R. Glazier (Violin). Rondo (Mozart, arr. Kreisler). Hüllamzo Balaton (Scenes de la Czardas, Op. 33, No. 5 (Hubay).
8-0 **Geiger and his Orchestra**
From Claridge's Hotel, London.
8-30 **A Recital**
Of Irish Folk-Songs from West Kerry. Edited and arranged by Herbert Hughes. Megan Foster (Soprano), Gabriel Lavelle (Baritone), Herbert Hughes at the Pianoforte. Gabriel Lavelle: She Lived Beside the Anner; Taim i n-arrars (sung in Gaelic). Megan Foster: O Father, Father, Build me a Boat; Bouchaleen Dhoun. Gabriel Lavelle: Innisfree; The Black Ribbon Band. Megan Foster: A Young Maid Stood in her Father's Garden; Green Grows the Laurel. Gabriel Lavelle: Roisin Dubh (sung in Gaelic); Tigreee torum orum. Megan Foster: The Old Turf Fire. Gabriel Lavelle: The Boys of Filemore (ballad of a drag-hunt).

COMING EVENTS

Harvest Thanksgiving

From Cransley Parish Church, Northamptonshire

"Last Days of Sail"

An imaginary voyage in a wind-jammer

The Band of His Majesty's Scots Guards

"Cavalcade"

Noel Coward's musical play

"Under Big Ben"

Another talk by Howard Marshall

- 9-5 **Musical Interlude.**†
9-10 **"Standing on a Corner."**
Book and lyrics by Charles Hayes. Music arranged and composed by George Barker. The cast supported by the B.B.C. Revue Chorus and the B.B.C. Empire Orchestra (leader, Daniel Melsa), under the direction of Clifton Helliwell. Production by William MacLurg.
Greenwich Time Signal at 9-30 p.m.

- 10-0 **The News and Announcements.**
10-20 **The Philip Whiteaway Ensemble.**
Evening in the Forest (Quilter). Summer Afternoon (Eric Coates). Play of the Butterflies (Heykens). Dainty Lady (Kenneth Wright).
10-30 *Close down.*

TRANSMISSION 4.

Three of the following frequencies will be used:
GSG 17.79 Mc/s (16.86 m.), GSO 15.18 Mc/s (19.76 m.)
GSF 15.14 Mc/s (19.82 m.), GSD 11.75 Mc/s (25.53 m.)
GSB 9.51 Mc/s (31.55 m.).

- p.m.
10-45 **Big Ben. "Empire Magazine," No. 8.***
A weekly review of things at home. Edited by Pascoe Thornton.
11-17 **Walter Collins and his Light Orchestra.**
Slumbersweet; Moonspite (Collins). A Fete in Santa Lucia (Ferraris).
11-30 **The News and Announcements.**

- p.m.
11-50 **"Foreign Affairs."***
By Sir Frederick Whyte, K.C.S.I., LL.D.
a.m.
12-5 **Reginald Foort at the Organ of the Paramount Theatre**
Tottenham Court Road, London.
12-30 **A Programme of Naval Marches.**
Selected and compiled by Walter Wood. The B.B.C. Military Band; conducted, B. Walton O'Donnell.
1-0 **A Concert**
From the Midland Hotel, Manchester. The Choir of the Gentlemen's Glee Club, Manchester (established in 1830). Music Director, Robert W. Baker. Accompanist, Harry Moores.
1-40 **"Standing on a Corner."***
Book and lyrics by Charles Hayes. Music arranged and composed by George Barker. The cast supported by the B.B.C. Revue Chorus and the B.B.C. Empire Orchestra (leader, Daniel Melsa), under the direction of Clifton Helliwell. Production by William MacLurg.
2-30 **The News and Announcements.**
2-50 **Science Talk.**
3-10 **The BBC Orchestra.**
(Section C), conducted by Julius Harrison. Edward Reach (Tenor). Orchestra: Symphony No. 102 in B flat: (1) Largo—Allegro vivace (2) Adagio (3) Minuet and Trio (4) Finale: Presto (Haydn). Edward Reach and Orchestra: Il mio tesoro (Don Giovanni) (Mozart). Orchestra: Suite, La Pisanella: (1) Sir Huguette (2) The Quay of the Harbour of Famagousta (3) At the Castle of the Queen without Mercy (4) The Dance of Poverty and Perfect Love (Pizzetti).
Greenwich Time Signal at 3-30 a.m.

- 3-57 **"Foreign Affairs."***
By Sir Frederick Whyte, K.C.S.I., LL.D.
4-15 *Close down.*
* Electrical recording. † Gramophone records.

GERMANY (Berlin)

DJA 31.38, DJQ 19.63, DJN 31.45, DJE 16.89.

- 10-40 a.m. A Musical Miscellany. 11-45 a.m. Musical Miscellany (contd.) 12-30 p.m. News and Economic Review in English. 12-45 p.m. To-day in Germany. Sound Pictures. 1-0 p.m. We announce the New Month. 1-45 p.m. A variety hour "Adagio fears". 3-15 p.m. Little German Reader. 3-30 p.m. Songs by Schubert 4-30 p.m. Concert in Light Music. 5-30 p.m. News in English. 5-50 p.m. Concert of Light Music (contd.). 6-45 p.m. Passacaglia for two pianos by Karl Walter Meyer. 7-0 p.m. Folk Song Singing by the Hitler Youth. 7-15 p.m. A Little German Reader. 7-30 p.m. News and Economic Review in English on DJE, DJQ. 7-45 p.m. To-day in Germany. Sound Pictures. 8-0 p.m. Music and Poetry. "Born to see, and called to look." 8-45 p.m. Solo Concert: Leo Petroni, Violin. 9-15 p.m. The Record Goblin. 9-30 p.m. *Close down.*

FRANCE (Radio Colonial)

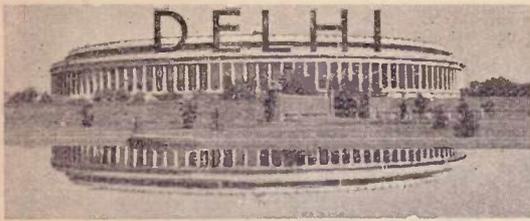
Wavelength 19.68 m. and/or 25.24 m.

- 11-30 a.m. Relay from P.T.T. Transmitter. 11-50 a.m. Market Prices, Rates of Exchange. 12 noon. Records. 12-10 p.m. Relay from P.T.T. Transmitter. 12-25 p.m. Records. 1-0 p.m. Talk on Events in France. 1-15 p.m. Records. 1-45 p.m. News in French. 2-15 p.m. News in English. 2-30 p.m. *Close down.* 3-25 p.m. Day's Programme. 3-30 p.m. Relay from Radio-Paris—Concert. 4-30 p.m. News in English. 4-45 p.m. Concert-Relayed. (contd.). 5-15 p.m. News in French. 5-45 p.m. Concert-Relayed. (contd.). 6-30 p.m. Maritime Talk, by Mr. Bretagne. 6-40 p.m. Social Topics, by Mr. Rives. 6-50 p.m. Colonial Market Prices, Rates of Exchange. 7-0 p.m. Theatrical Broadcast. 8-25 p.m. Rates of Exchange and French Stock (Rentes). 8-30 p.m. *Close down.* 9-45 p.m. News in French, Market Prices, Rates of Exchange. 10-30 p.m. Concert-Relayed. 11-0 p.m. Relay of Radio-Journal of France (French News). 11-20 p.m. Judicial Talk, by Me. Henri Delmont. 11-30 p.m. Concert-Relayed. (contd.). 12-0 midnight. News in English. 12-30 a.m. News in French, Market Prices. 1-0 a.m. Relay: Lyric, Federal Broadcast. 3-30 a.m. *Close down.*

ITALY (Rome)

Wavelength 25.40 and/or 31.13 Metres.

- 5-13 p.m. Varied programmes. 6-45 p.m. Symphonic concert. Talk. "Balilla Day—Once upon a time." 7-30 p.m. News in English. Concert by the Emanuele Josi. Martorani trio. Vocal concert—Elena Cheli, soprano. Nino Mazziotti, tenor. 10-0 p.m. Organ concert. Jazz music. Vocal concert. Maria Barata, soprano. Carlo Plantania, baritone. 11-10 p.m. Concert of Arabian songs.



VUD 340.13 metres, 882 kc/s.

TRANSMISSION I.

- a.m.**
8-0 Time Signal.
Naat By AIR ARTISTS. (A Chorus).
 Accompanied by *Sarod, Clarinet and Tabla.*
8-10 AIR Orchestra. *Anand Bhairon.*
8-20 Afzal Hussain. *Thumri Bhairon.*
 "Main to tore damanwa lagi maharaj."
8-30 Mohammad Hussain.
 "Phir mohabat men maza ata hai.
 Kiun na khaen hamen gham bhata hai." (Momin).
8-37 Ghulam Sabir. *Sarangi—Pancham.*
8-45 Talk (Hindustani): "Outline history of the world."
 No. 6.
 By PROF. MOHD. MUJEEB.
9-0 **Gat Nautch.**
 MUKERJI. *Violin.*
 SARDAR. *Violin.*
 SABIRI. *Sarangi.*
 MALANG. *Sarangi.*
 TUFAIL. *Tabla.*

- 9-10** Master Mahboob. *Qawwali.*
9-30 Afzal Hussain. *Thumri Paraj.*
 "Mora jaga ke joban."
9-40 Asad Ali Khan. *Thumri Sindh Bhairvin.*
 "Sayyan pardeswa men chhae raiho."
9-50 Viola and Organ. *Alap Basant Mukhari.*
 By MUKERJI and KARRAR.

10-0 Close down.

TRANSMISSION II.

- p.m.**
12-30 Time Signal.

Indian Recorded Music.
 (Talkie Songs.)

1-30 Close down.

TRANSMISSION III.

- 5-30** Time Signal.
AIR Orchestra. "Tu aja dilbar."
5-40 Mohammad Hussain. *Naat.*
5-45 A Chorus.
 By AIR ARTISTS.
 "Main ahwal-i-dil mar gaya kaihte kaihte.
 Thake tum na bas bas suna kaihte kaihte."
5-55 Master Mahboob. *Thumri Pilu.*
6-5 "Dastan-i-Dil." (A song accompanied by two violins.)
6-15 Malang Khan. *Qanun.*
6-20 1st News and Weather Report (Hindustani).
6-30 1st News and Weather Report (English).
6-40 AIR Orchestra. *Dadra.*
6-50 Mohammad Hussain. *Ghazal.*
7-0 Master Mahboob. *Qawwali.*
7-20 "The Beggar Implores."
 "Kuchh rah-i-Khuda de ja, ja tera bhala hoga." (Zafar Badshah).
 Accompanied by AIR Orchestra.
7-30 "For Villagers Only."
 (Delhi Market Rates at 8 p.m.)
8-30 Talk (Hindustani): "Elements of Radio, No. 6."
 By RADIO-MINDED.
8-45 Songs from the *Dilfarosh*, Part I.
9-15 2nd News and Weather Report (Hindustani).
9-30 Time Signal. 2nd News and Weather Report (English).

Wednesday, 7th October

- p.m.**
9-45 Talk: "The Village as I see it" No. 4.
 By RAJ KUMARI AMRIT KAUR.
 A series of talks by people who from different points of views and for different reasons have interested themselves in the Indian village.
10-0 *An Orchestral Programme.
 By His Excellency the Viceroy's Orchestra.
 (By kind permission of His Excellency the Marquess of Linlithgow).
 Directed by LT. C. H. FENNER, M.B.E., L.R.A.M.
 Overture - "Don Juan" - Mozart.
 Two pieces - "Reverie Interrompue" - Tchaikowsky.
 "Danse Russe."
 L' Invitation a la Valse - Weber.
 Suite from - "Les deux Pigeons" - Messager.
 Polish Dance - Scharwenka.
 Selection from - "Im Venusberg" - Wagner.
11-0 Close down.
 *Relayed from our Simla Studio.

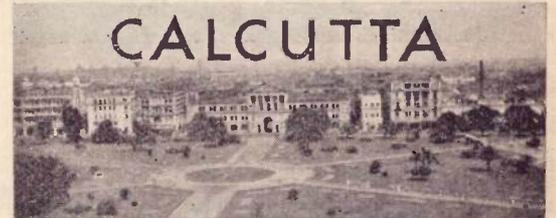


VUB 350.9 metres, 855 kc/s.

- a.m.**
11-30 A Selection of Indian Music.
 FAKRE ALAM QUAWAL.
 "Sab Kaihte Hai"
 "Muzako Russawa Kia"
 ZOHRAJAN.
 "Chhal Baliya Ne Tor Dali."
 "Allah Jane Re"
 KISHANLAL of Hyderabad.
 "Aba Kaise Jobana" - Hori.
 "Janat Hu Tum Gunan Bhare" - Thumri.
 J. L. RANADE.
 "Churiya Karke Gaye" - Malkous.
 "Khelan Aye Hori" - Bhima Palas.
 MASTER VASANT.
 "Madhav Mo Samaan" - Tilang.
 "Shyam Khele Hori" - Misraholi.
 KADIM HUSSEIN KHAN.
 "De Najarave Men" - Jivan Puri.
 "Mha Ko Rajaji" - Desh.
 LALOO BHAI AND RAJ KUMARI.
 "Rasila Jivan"
 "Sarovar ni Hansi."
 NAZIRKHAN of Jaora.
 "Sitar Gat" Darbari - Instrumental.
 "Sitar Gat" Adana - Instrumental.

- p.m.**
1-0 Available Market Rates.
Jules Craen and his Quintet.
 Relayed from Taj Mahal Hotel.
 (By kind permission of the Management.)
 "Flirtation" - Steck.
 "Un Peu D'Amour" - Silesu.
 "Tales of Hoffmann" - Offenbach.
 "Moment Musical" - Schubert.
 "Love Song" (Walkyrie) - Wagner.
 "Roses of the South" - Strauss.
2-0 Close down.
5-30 Relay from Krishna Cinema.
 (By kind permission of the Management.)
6-15 Talk (Marathi): "Bharatiya Striya."
 By V. D. GOKHALE.
6-30 Gujarati Lyrics
 By RASIK T. VIN.
7-0 Violin Recital
 By SHRIDHAR PARSEKAR.
7-15 Exposition of Gathas. (Gujerati.)
 By ERVAD FRAMROZ A. BODE.
7-30 Light Classical Music
 By PROF. AMANATALI KHAN.
 With *Sarangi, Harmonium and Tabla.*
8-30 Commercial News and News in Hindi.
9-0 "Vichitra Bheja."
 A Gujarati farce written by "JAMAN," produced by NAGINDAS JAMNADAS.

- p.m.**
9-30 Talk (English): "International Affairs."
 By E. J. GOUGH.
9-45 News in English.
10-0 A Pianoforte Recital
 By IVY DE COSTA, F.T.C.L.
 Sonata in C Minor, Op. 13 "Pathetic" - Beethoven.
 Cantabile Rondo.
 Two Preludes Op. 28 - Chopin.
 No. 7 in A Major.
 No. 20 in C Minor.
 "Galliwogg's Cake Walk" - Debussy.
 "Horloge A Musique" - Stern.
 "The Little white donkey" - Ibert.
 "Rush hour in Hongkong" - Chasins.
10-30 "The Joke."
 A SKETCH BY THE BOMBAY AMATEUR DRAMATIC CLUB.
11-0 Close down.



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

- p.m.**
12-36 Time Signal.
SB *Light Orchestral Selections from the Studio.
1-0 Talk (English): "The Story of a Leaf."
SB By W. H. MILES.
1-20 *Dance Music from the Studio.
SB Calcutta Weather Bulletin for Oceancraft and Rivercraft.
1-36 *Musical Selections.
1-51 Talk (Bengali): "The Story of a Leaf."
 By DR. P. GUHA THAKURTA.
2-6 *Musical Selections.
2-36 Talk (Bengali): "Vaishnava Literature—Govinda Das and his Poetic Genius."
 By HAREKRISHNA SAHITYARATNA.
3-6 Time Signal. Close down.
5-6 Time Signal.
Dialogue (Bengali): "The Doctor in the Village."
5-16 Baul Song By HAREKRISHNA DAS VAISHNAV.
5-26 Talk (Bengali): "Beware of Swindlers."
 By MANMOHAN GHOSE.
5-36 An Evening Song By PRAFULLABALA.
5-51 Ornamental Bengali Song By GOURI KEDAR BHATTACHARYA.
6-6 Bengali Thungri By ASHALATA.
6-21 Modern Bengali Song By HARSHADEV ROY.
6-41 Duni Kheyal By KAMAL DAS GUPTA.

7-1 "Autumn Comes."
 (A Musical Sequel to "Farewell to Rains.")
 Composed and Produced by BANIKUMAR.
 Music by P. K. MULLICK.
 Supported by the Betar Orchestra, conducted by TARAK DE.

- 8-6** Talk (Bengali): "How properties are assessed in Calcutta."
 By B. N. CHOWDHURY.
8-21 Selected Bengali Songs By MRINAL KANTI GHOSE
8-41 Commercial News and Weather Report (In Bengali).
SB
8-46 News in Bengali.
SB
9-1 Commercial News and Weather Report (In English).
SB
9-6 Time Signal.
SB News in English.

All Times are given in Indian Standard Time.

p.m.
9-21 The Aerial Players present: "Cupboard Love."
SB By ELIOT CRAWSHAY-WILLIAMS.
 Characters:
 STEPHANIE MEYRICK. A pretty girl of 23.
 MAY STANNARD. Her friend.
 DEREK LANE. A strange young man.
 SCENE I.
 Stephanie's bedroom in a luxurious London Hotel.
 SCENE II.
 The same room—Next morning.

9-56 *An Orchestral Interlude.
SB

10-6 A Light Programme featuring
SB ISMAIL. (Clavinet & Saxophonist.)
 THE COMEDY HARMONISTS.

10-36 Time Signal. Close down.
 *Gramophone Records.



TRANSMISSION 5.
 GSP 15.31 Mc/s (19.60 m.), GSD 11.75 Mc/s (25.53 m.),
 GSC 9.58 Mc/s (31.32 m.)

a.m.
4-30 Big Ben. Light Programme.*
5-12 "Foreign Affairs."**
 By Sir Frederick Whyte, K.C.S.I., LL.D.

5-27 The Isidore Schwiller Sextet.
 Hilda Searle (Soprano). Sextet: Mock Morris (Grainger), Russian Serenade (Pribik), Moto Perpetuo (Lotter). Hilda Searle: Spring (Henschel), Everywhere I Go (Eustache Martin), Come out, Come out, my Dears (Dessauer). Sextet: Consolation No. 4; Canzonetta del Salvatore Rosa (Liszt, arr. Schwiller), Tarantelle (Mendelssohn arr. Schwiller). Hilda Searle: Hark, Hark the Ec'ching Air (Purcell), Gathering Daffodils (Anon, arr. Arthur Somervell), A Fairy Fantasy (Arthur Godfrey). Sextet: Folk-Song and Fairy Tale (Kozak), La Toupie (The Spinning Top) (Gillet).

6-10 The News and Announcements.
 Greenwich Time Signal at 6-15 a.m.

6-30 Close down.

TRANSMISSION 6.
 GSF 15.14 Mc/s (19.82 m.), GSC 9.58 Mc/s (31.32 m.)

a.m.
7-30 Big Ben. A Light Symphony Concert.
 The BBC Empire Orchestra; leader, Daniel Melsa; conducted by Clifton Helliwel. Joan Coxon (Soprano). Orchestra: Overture, La Caravane (Gretry). Joan Coxon and Orchestra: Caro nome (Rigoletto) (Verdi), Con vezzi (Il Seraglio) (Mozart). Orchestra: Symphony No. 30 in D (K. 202): (1) Molto Allegro (2) Andantino con moto (3) Menuetto (4) Presto (Mozart). Joan Coxon: When Myra Sings (A. L.), The Colour (Christopher le Fleming). Orchestra: Selection, Schwanda the Bagpiper (Weinberger, arr. Bauer).

8-30 "Foreign Affairs."**
 By Sir Frederick Whyte, K.C.S.I., LL.D.

8-45 Tango Music.†

8-55 Bertha Willmott.
 In a selection of old music-hall songs.*

9-10 The News and Announcements.
 Greenwich Time Signal at 9-15 a.m.

9-30 Close down.

TRANSMISSION 1.
 GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.)

p.m.
12-45 Big Ben. Chamber Music.
 The Maurice Cole Trio: Winifred Small (Violin); Kathleen Moorhouse (Violoncello); Maurice Cole (Pianoforte). Trio in C minor, Op. 101: Allegro energico; Presto non assai; Andante grazioso; Allegro molto (Brahms). Miniatures, for Violin Violoncello, and Pianoforte: (1) Minuet (2) Gavotte (3) Allegretto (Frank Bridge). Trio in G, No. 1: Andante; Poco Adagio; Rondo all Ongarese (Haydn).
 Greenwich Time Signal at 1-30 p.m.

1-30 "Foreign Affairs."**
 By Sir Frederick Whyte, K.C.S.I., LL.D.

1-45 Musical Interlude.†

1-55 "Empire Magazine," No. 8.*
 A weekly review of things at home. Edited by Pascoe Thornton.

2-25 The News and Announcements.

2-45 Close down.

Wednesday, 7th October

TRANSMISSION 2.
 GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.)

p.m.
4-30 Big Ben. Sidney Torch.
 At the Organ of the Regal Cinema, Edmonton

4-45 "Foreign Affairs."**
 By Sir Frederick Whyte, K.C.S.I., LL.D.

5-0 Serge Krish and his Orchestra.
 From the Granada, Walthamstow, March, Le Prophete (Meyerbeer) Overture, Martha (Flotow). A Sentimental Shanty (Fletcher). Waltz, Citizens of Vienna (Ziehrer). Gavotte (Popper, arr. Lindemann). Bird of Love Divine (Haydn Wood). Minuet (Volpatti). Windflowers (Reginald King).

5-40 "Down to the Sea in Ship: Sea Harvests (11)."**
 Wynn Thomas.

6-0 Troise and his Mandoliers, with Don Carlos.
 Dancing Romany (Griffiths). Serenade des amoureux (Marucello). Toytown Cavalry (Irving). As Long as our Hearts are Young (Kester and Hill). Goblin Shadows (Rayners). Preludio (La Traviata, Act I) (Verdi). I Give my Heart (The Dubarry) (Millocker). Dance of the Hours (Ponchielli).
 Greenwich Time Signal at 6-30 p.m.

6-30 The News and Announcements.

6-50 An Organ Recital.
 By G. D. Cunningham, from the Town Hall, Birmingham. Occasional Overture: (2) Allegro (3) Adagio (4) March (Handel). Andante Cantabile (Symphony in C minor) (Haydn). Introduction and Finale: Ad nos ad salutarem undam (Liszt). Fantomine (Jepson).

7-15 Close down.

TRANSMISSION 3.
 GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.)
 GSF 15.14 Mc/s (19.82 m.)

p.m.
7-30 Big Ben. The BBC Dance Orchestra.*
 Directed by Henry Hall.

8-5 A Recital.
 By Sinclair Logan (Baritone) and Karl Ulrich Schnabel (Pianoforte). Karl Ulrich Schnabel: Five Songs without Words: (1) In F sharp minor, Op. 67, No. 2 (2) In B minor, Op. 30, No. 4 (3) In C, Op. 102, No. 5 (4) In G minor, Op. 102, No. 6 (5) In C (The Bees' Wedding), Op. 67, No. 4 (Mendelssohn). Sinclair Logan: Tom the Rhymers; (Edward Loewe). Karl Ulrich Schnabel: Ballad in D minor (Edward), Op. 10, No. 1 (Brahms).

8-30 "Empire Exchange."**
 Points of view on Imperial affairs given by travellers from the Dominions and the Colonies.

8-45 The Bournemouth Municipal Orchestra.
 Leader, Betram Lewis; conductor, Richard Austin. Solo Pianoforte, Solomon. From the Pavilion, Bournemouth. Vorspiel and Liebestod (Tristan and Isode) (Wagner). Pianoforte Concerto No. 5, in E flat (Emperor): (1) Allegro (2) Adagio un poco mosso (3) Rondo (Beethoven). Colour Symphony: (1) Purple (2) Red (3) Blue (Bliss).
 Greenwich Time Signal at 9-30 p.m.

10-0 The News and Announcements.

10-20 A Recital.
 By Helen Guest (Pianoforte).

10-30 Close down.

TRANSMISSION 4.
 Three of the following frequencies will be used:
 GSG 17.79 Mc/s (16.86 m.), GSO 15.18 Mc/s (19.76 m.)
 GSF 15.14 Mc/s (19.82 m.), GSD 11.75 Mc/s (25.53 m.)
 GSB 9.51 Mc/s (31.55 m.)

p.m.
10-45 "Food for Thought."
 Three talks on topics of the moment.

11-7 The BBC Dance Orchestra.
 Directed by Henry Hall.

11-30 The News and Announcements.

11-50 The Metropolitan Works Band.
 Conductor, H. Heyes. Andrew Clayton (Tenor).

a.m.
12-30 "Cobwebs."**
 A sentimental interlude with Jack Clarke and his Quintet, Billie Baker, and Patrick Waddington. Musical arrangements by Jack Clarke.

1-0 Carroll Gibbons and the Savoy Hotel Orpheans.
 (By permission of the Savoy Hotel, Ltd.)

1-30 A Harpsichord Recital.
 By Rudolph Dolmetsch.

2-0 "Light Fare."

2-30 The News and Announcements.

a.m.
2-50 "Empire Magazine," No. 8.*
 Weekly review of things at home. Edited by Pascoe Thornton.

3-20 A Programme of New Gramophone Records.
 Greenwich Time Signal at 3-30 a.m.

3-55 "Empire Exchange."**
 Points of view on Imperial affairs given by travellers from the Dominions and the Colonies.

4-10 Envoi.†

4-15 Close down.
 * Electrical recording. † Gramophone records.

GERMANY (Berlin)

DJA 31.38, DJQ 19.63, DJN 31.45, DJE 16.89.

10-40 a.m. Variety Concert. 11-45 a.m. Variety Concert (contd.) 12-25 p.m. Greetings to our listeners. 12-30 p.m. News and Economic Review in English. 12-45 p.m. To-day in Germany. Sound Pictures. 1-0 p.m. "Genoveva". 2-15 p.m. Topical Talk. 2-30 p.m. Solo Concert: Leo Petroni, Violin. 3-15 p.m. Woman's Hour. 3-30 p.m. New Songs by Paul Graener.

4-30 p.m. Concert of Light Music. 5-30 p.m. News in English. 5-45 p.m. Greetings to our Listeners in India. 5-50 p.m. Concert of Light Music (contd.). 6-45 p.m. Announcing the New Month. 7-30 p.m. News and Economic Review in English on DJE, DJQ. 7-45 p.m. To-day in Germany. Sound Pictures. 8-0 p.m. Songs by Franz Schubert. 8-15 p.m. A variety hour, "Adagio fears." 9-30 p.m. Close down.

FRANCE (Radio Colonial)

Wavelength 19.68 m. and/or 25.24 m.

11-30 a.m. Relay from P.T.T. Transmitter. 11-50 a.m. Market Prices, Rates of Exchange. 12-0 noon. Records. 12-10 p.m. Relay from P.T.T. Transmitter. 12-25 p.m. Records. 1-0 p.m. Talk on Events in France. 1-15 p.m. Records. 1-45 p.m. News in French. 2-15 p.m. News in English. 2-30 p.m. Close down. 3-25 p.m. Day's Programme. 3-30 p.m. Relay from Radio-Paris—Concert. 4-30 p.m. News in English. 4-45 p.m. Concert-Relayed. (contd.). 5-15 p.m. News in French. 5-45 p.m. Concert-Relayed. (contd.). 6-30 p.m. Literary Talk, by Mr. Francois de Teramond. 6-40 p.m. Economic and Social Talk, by Mr. W. Oualid. 6-50 p.m. Colonial Market Prices, Rates of Exchange. 7-0 p.m. Concert conducted by Mr. Henri Tomasi, with Miss Henriette Deliege, vocalist. 8-25 p.m. Rates of Exchange and French Stock (Rentes). 8-30 p.m. Close down. 9-45 p.m. News in French, Market Prices, Rates of Exchange. 10-30 p.m. Concert-Relayed. 11-0 p.m. Relay of Radio-Journal of France (French News). 11-20 p.m. Cronica Literaria, by Mr. Francois de Teramond. 11-30 p.m. Concert-Relayed. (contd.). 12-0 midnight. News in English. 12-30 a.m. News in French, Market Prices. 1-0 a.m. Relay. 3-30 a.m. Close down.

ITALY (Rome)

Wavelength 25.40 and/or 31.13 Metres.

5-13 p.m. Varied programmes. 6-45 p.m. Concert. Talk: "Paolo Uccello." 7-30 p.m. News in English. Symphonic concert. Talk: "Il Pinturicchio" By Prof. Achille Bertini Calosso. Vocal concert. 10-0 p.m. Vocal concert pastoral songs and military songs. 11-10 p.m. Concert of Arabian music.

A REQUEST

ALL subscribers, when writing to us about any irregularity of receipt of the paper, or a renewal of subscription, would do us a great favour if they would quote the reference number given on the wrappers of the copies.

And please remember 2 things:—

1. The subscription is Rs. 4 yearly.
2. Copies are not sent by V.P.P.

All Times are given in Indian Standard Time.



VUD 340.13 metres, 882 kc/s.

TRANSMISSION I.

- a.m.**
8-0 Time Signal.
Bhajan By BRINDER SINGH.
8-10 AIR Orchestra. *Ahir Bhairon.*
8-20 Mrs. B. C. Verma. *Classical Music.*
8-40 P. S. Mukerji. *Sarod—Bahaduri Todi.*
8-45 Talk (*Hindustani*): "Famous Urdu Books" No. 3. Fasana-i-Ajaeb. By SYED ZAMIN ALI.
9-0 Afzal Husain. "Muft hue badnam sanwariya tere liye." (*Dadra*).
9-10 Brinder Singh. "Muztir hai bahut meri tabiat kai din se Dekhi jo nahin ap ki surat kai din se." (*Hasrat Mohani*).
9-20 Mrs. B. C. Verma. *Bhajan.*
9-30 Jonpuri Mishr. SABIR—*Sarangi.* MUKERJI—*Sarod.* SARDAR—*Violin.* TUFAIL—*Tabla.*
9-40 Brinder Singh. "Saba ko yeh kia aj mauj a gai Keh phulon se turbat miri chha gai". (*Amir Minai*).
9-50 Mrs. B. C. Verma. *Bhajan.*
10-0 Close down.

TRANSMISSION II.

- p.m.**
12-30 Indian Recorded Music Ghazals.
 ANGUR BALA
 FIDA HUSSAIN
 FAQIRUDDIN
 FAKHRE ALAM QAWWAL
 IQBAL PUTLI
 KAMLA JHARIA
 PIARE SAHIB
 AKHTARI BAI
 SAIGAL
 SHAMSHAD
1-30 "An Hour with Verdi."
 One of the Greatest of Italian Opera composers. In Commemoration of his birthday. (*A Recorded Programme.*)
 MAREK WEBER AND HIS ORCHESTRA - (H.M.V. C-1937.)
 "La Traviata."
 MIRIAM LICETTE, HEDDLE NASH AND MALE CHORUS - (Columbia DX-302.)
 Miserere Scene. "Il Trovatore."
 MIRIAM LICETTE, MURIEL BRUNSKILL, HEDDLE NASH, AND DENNIS NOBLE WITH ORCHESTRA.
 Rigoletto—(Quartet) "Fairest Daughter of Graces."
 BERLIN STATE OPERA HOUSE ORCHESTRA. (Odeon AA-212079.)
 (Conducted by Dr. Weissman.)
 "Aida."
 MARGHERITA PERRAS, GERHARD HOSCH, AND WALTER LUDIWG.
 Traviata "Querschnit." - (H.M.V. E-4930.)
 GINA CIGNA. (*Soprano*) - (Columbia LX-235.)
 "Un Ballo in Maschera."
 SYMPHONY ORCHESTRA LA SCALA MILAN - (DX-139.)
 "Il Trovatore."
 EVA TURNER. (*Soprano*) - (L-2150.)
 "Ritorna Vincitor." (*Aida*).
2-30 Close down.

TRANSMISSION III.

- 5-30** Time Signal.
AIR Orchestra. *Barari.*
5-40 B. S. Rawat. "Mar jae bala se dil-i-bimar tumhen kia Tum ae bare uske tarafdar tumhen kia." (*Behkud*).
5-50 Asad Ali Khan. *Dadra Purbi.* "O Brij basayya".
6-0 Mrs. B. C. Verma. *Classical Music.*
6-20 1st News and Weather Report (*Hindustani*).
6-30 1st News and Weather Report (*English*).
6-40 AIR Orchestra. *Kedara.*

Thursday, 8th October

- p.m.**
6-50 Brinder Singh. "Kiun girافتar mujhe ai mire sayyad kiya Aur bhi fitrat-i-azad ko azad kiya." (*Saghar*).
7-0 Hamid Husain. "Car ek bhi hazar men woh man jaenge. Ham ai payambar tire qurban jaenge." (*Dagh*).
7-10 Aziz and Asad (A duet). "Chala ja re murakh ganwar."
7-20 Mrs. B. C. Verma. *Classical Music.*
7-30 "For Villagers Only". (*Delhi Market Rates at 8 p.m.*)
8-30 Talk (*Hindustani*): "The Jungle Book" No. 6. The Fox. By AJJAD HUSAIN.
8-45 Songs From the Dildarosh. Part II.
9-15 2nd News and Weather Report (*Hindustani*).
9-30 Time Signal.
2nd News and Weather Report (*English*).
9-45 Talk: "The way of the World" No. 6. Current events in America. By the REV. DR. JAMES C. MANRY.
10-0 An Instrumental Concert. By the 4th Battalion (P. W. O.), 8th Punjab Regiment. Conducted by JEMADAR WAZIR ALI.
 March - "Under the Banner of Gaiety" - Lindeman.
 Overture - "Crown Diamonds" - Auber.
 Valse - "Eton Boating Song" - Kaps.
 Selection - "Bitter Sweet" - Coward.
 Miscellaneous - Hungarian Dance Nos. 5 & 6 - Brahms.
 Selection - "Top Hat" - Berlin.
 Fox Trot - "In a little Gypsy Tea Room" - Burke.
11-0 Close down.



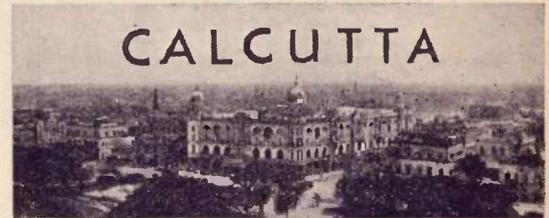
VUB 350.9 metres, 855 kc/s. 31.36 metres, 9565 kc/s.

- a.m.**
11-30 Light Music By M. G. BASARKAR. With *Sarangi, Harmonium and Tabla.*
p.m.
12-15 Dance Tunes BANNE KHAN. *Sarangi.* S. PARSEKAR. *Violin.* CAMOO. *Tabla.*
12-35 Light Music By N. G. GOKHALE.
1-0 Available Market Rates. An Hour of Recorded Programme. (*H.M.V.*)
 BBC SYMPHONY ORCHESTRA. "Pomp and Circumstance Marches."
 LONGHAM PLACE LONDON PALLADIUM ORCHESTRA. Suite "London Again". "Oxford Street".
 GERTRUDE LAWRENCE. (*Soprano*). "Gertrude Lawrence Medley."
 MAREK WEBER AND HIS ORCHESTRA. Selection "Traviata".
 PAUL WHITEMAN AND HIS CONCERT ORCHESTRA. "O'h Man River". "Make believe".
 STANLEY RISCOE. "You have that extra something". "There never was a girl like Mary".
 WILLIAM WALKER. (*Piano*). Medley "Spread it abroad".
 ALFREDO AND HIS ORCHESTRA. "Gloomy Sunday". "Gipsy Idyll".
2-0 Close down.
6-0 Relay from Central Cinema. (*By kind permission of the Management.*)
6-30 AUNTIE MARY.

p.m.
7-15

"Monsieur Beaucaire."
 Adapted for broadcasting from Booth Tarkington's novel and the light opera libretto by Frederick Lonsdale.
 By GORDON MCCONNELL.
 Lyrics by ADRIAN ROSS.
 Music by ANDRE MESSAGER, Produced by GORDON MCCONNELL and REX HAWORTH.
 (*A BBC Recorded Programme.*)

- 8-30** Commercial News and News in Hindi.
9-0 Guitar Duets (*Recorded*).
9-15 Talk (*English*): "Romance in Music." By PETER JOHNSON.
9-45 News in English.
10-0 Sundrabai SB In Popular Songs. Accompanied by the VUB Indian Orchestra.
11-0 Close down.



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

- p.m.**
12-36 Time Signal.
SB Pikler's Male Voice Chorus. In a Vocal and Instrumental Recital from the Studio.
1-6 *A Light Orchestral Programme from the Studio.
SB Calcutta Weather Bulletin for Oceanraft and Rivercraft.
1-36 Talk (*Bengali*): "Women and Religion—Women's Contribution to Religion in the Vedic Period." By PRITI GUPTA.
2-6 *Musical Selections.
2-36 Talk (*Bengali*): "Stories from the Puranas." By BISHNU SARMA.
3-6 Time Signal. Close Down.
5-6 Time Signal.
 "Dalim Kumar." (A Village Folk Drama). Part 4. By JASIMUDDIN and PARTY.
Modern Bengali Songs.
 By UMAPADA BHATTACHARYA.
5-36 By JANENDRA NATH GHOSE.
5-51 Harmonium Solo By SATYENDRA N. CHAKRAVARTY.
6-21 A Musical Programme. By the members of Sangit Sangha. Under the direction of DR. A. K. CHOWDHURY.
 KUMARI SANTA BOSE Hindi Song—*Kheyal.*
 KUMARI DEBJANI BOSE. Hindi Song.
 KUMARIS DEBJANI BOSE and JUTHIKA DAS GUPTA. Instrumental Duet.—*Esraj.*
 KUMARI ARUNDHATI SEN GUPTA. Bengali Song Selected.
 KUMARI AMITA ROY. Setar Solo.
 KUMARI NILIMA DUTTA. Hindi Song.
 SATISH CHANDRA BANDOPADHYA. Violin Solo.
 SANGITACHARYA GOPESWAR BANERJEE. Hindi Song *Dhrupad* and Bengali Song.
 BIJOY LAL MUKHERJEE. Hindi and Bengali Songs.
7-36 Violin Recital By RAM CHANDRA MOHANTA.
8-6 Topical Talk (*Bengali*): "Radio and International Affairs." By DR. KALIDAS NAG.
8-41 Commercial News and Weather Report (*In Bengali*).
SB
8-46 News in Bengali.
SB
9-1 Commercial News and Weather Report (*In English*).
SB
 Time Signal.
9-6 News in English.
9-21 Talk (*English*): "Fishing in North Bengal." By C. E. C. FAIRWEATHER, Deputy Inspector General of Police.

*Gramophone Records.

All Times are given in Indian Standard Time.

p.m.
9-36 A Light Studio Concert.
SB. HANNAH ARAKIE. Contralto.
CON ASTON. Songs at the Piano.
THE WYNING TRIO.
E. ARROSTITI. Violinist.
F. ZEPPERITZ. Cellist.
J. R. WYNING. Pianist.

10-36 Time Signal. Close Down.



TRANSMISSION 5.

GSP 15.31 Mc/s (19.60 m.), GSD 11.75 Mc/s (25.53 m.),
 GSC 9.58 Mc/s (31.32 m.)

a.m.
4-30 Big Ben. Scottish Dance Music.
4-55 Star Variety.†
5-10 Science Talk.*
5-25 Chamber Music.
 The Maurice Cole Trio;
6-10 The News and Announcements.
Greenwich Time Signal at 6-15 a.m.
6-30 Close down.

TRANSMISSION 6.

GSP 15.14 Mc/s (19.82 m.), GSC 9.58 Mc/s (31.32 m.)

a.m.
7-30 Big Ben. "Under the Southern Stars."**
 Bailes Y Cantos Tipicos. Arranged by Robert Barrington and presented by John Pudney.
8-1 Solomon.
 (Pianoforte).†
8-10 "Food for Thought."**
 Three talks on topics of the moment.
8-30 A Recital.
 By Daniel Melsa (Violin). La Folia (Variations serieuses) (Corelli, arr. Leonard). Nocturne in D, Op. 27, No. 2 (Chopin, arr. Wilhelm). Jota (Falla, arr. Korczanski).
8-50 "A Syncopated Serenade."**
 With Harry Gordon and Bob Busby, Gerry Fitzgerald and Dorothy Carless.
9-10 The News and Announcements.
Greenwich Time Signal at 9-15 a.m.
9-30 Close down.

TRANSMISSION 1.

GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.)

p.m.
12-45 Big Ben. Frederic Bayco, at the Organ of the Dominion Theatre.
 Tottenham Court Road, London.
1-15 "Food for Thought."**
 Three talks on topics of the moment.
Greenwich Time Signal at 1-30 p.m.
1-35 Yehudi Menuhin (Violin).†
1-45 "Bula Matari."
 The Breaker of Rocks. The story of a workhouse waif, John Rowlands, who became Henry Morton Stanley, the finder of Livingstone. Dramatised by Robin Gerard and Frank Hird. Produced by William MacLurg.
2-25 The News and Announcements.
2-45 Close down.

TRANSMISSION 2.

GSP 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.)

p.m.
4-30 Big Ben. "Standing on a Corner."**
 Book and lyrics by Charles Hayes. Music arranged and composed by George Barker. The cast supported by the BBC Revue Chorus and the BBC Empire Orchestra (leader, Daniel Melsa), under the direction of Clifton Hellwell. Production by William MacLurg.
5-20 Allan Kennedy, at the Organ of the Regal Cinema, Glasgow.
 Marche Lorraine (Ganne). Selection, Everybody's Songs (arr. Geehl). Overture, Poet and Peasant (Suppe). Minuet from Opera, Berenice (Handel, arr. Borowski). Do You Remember? (arr. Andrews and Lewin).
5-55 "Food for Thought."**
 Three talks on topics of the moment.

Thursday, 8th October

p.m.
6-15 The BBC Singers (B).
 Conductor, Leslie Woodgate. Five Lyrics of Herrick: Cupid; A Dirge; Morning Song; To Electra; To Violets (Roger Quilter) Six Irish Folk-Songs: Oh! Breathe not his Name; What the Bee is to the Flow'et; At the Mid Hour of Night; The Sword of Erin; Oh, that Sight Entrancing; It is not the Tear (arr. C. V. Stanford). Down in Yonder Meadow (Alec Rowley).
Greenwich Time Signal at 6-30 p.m.

6-30 The News and Announcements.
6-50 A Recital.
 By Dorothy Hesse (Pianoforte). Prelude and Fugue in C sharp (Bach). Minuet and Rondo (from Sonata in D, Op. 10) (Beethoven). Three Studies, Opus posthumous; Tarantella (Chopin).
7-15 Close down.

TRANSMISSION 3.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.)
 GSF 15.14 Mc/s (19.82 m.)

p.m.
7-30 Big Ben. A Recital
 Of New Gramophone Records.
8-0 The BBC Empire Orchestra.
 Leader, Daniel Melsa; conductor, Eric Fogg. Overture, Silvana (Weber). Ballet, Le Cid: (1) Castillane (2) Andalous (3) Aragonaise (4) Aubade (5) Catalane (6) Madrilene (7) Navarraise (Massenet) Pastorale (Suite, Iorio's Daughter) (Franchetti). Prelude to Act III (The Cricket on the Hearth) (Goldmark, arr. Bauer). Suite, Scenes from the South, Op. 29: (1) Fairy Tale from La Provence (2) Moorish Dance Song (3) In the Tavern (Nicode). Overture, Die Fledermaus (Johann Strauss).
9-0 "Under Big Ben."
 By Howard Marshall.
9-15 The Band of His Majesty's Royal Marines.
 (Plymouth Division) (by permission of Brigadier H. C. Pope), conducted by Captain F. J. Ricketts, Director of Music, Royal Marines. From the Abbey Hall, Plymouth.
Greenwich Time Signal at 9-30 p.m.
10-0 The News and Announcements.
10-20 Cabaret Songs.†
10-30 Close down.

TRANSMISSION 4.

Three of the following frequencies will be used:
 GSG 17.79 Mc/s (16.86 m.), GSO 15.18 Mc/s (19.76 m.)
 GSF 15.14 Mc/s (19.82 m.), GSD 11.75 Mc/s (25.53 m.)
 GSB 9.51 Mc/s (31.55 m.)

p.m.
10-45 Big Ben. Light Programme.*
11-26 Musical Interlude.†
11-30 The News and Announcements.
11-50 The Music of Arthur Wood.
 Reginald King and his Orchestra. Curtain UP (from the Suite, Ballerina). Roundabouts. Barnsley Fair.
a.m.
12-10 Variety.
12-30 A Recital.
 By Isabel Gray (Pianoforte). Two Sonatas: (1) in F (2) in G (Scarlatti). Etude in E, Op. 8, No. 5 (Scriabin). Au bord d'une source (Liszt). Ballade No. 2 in A minor (first performance) (York Bowen). Prelude in G flat (Leo Livens). Zephyr, Op. 57, No. 4 (Mozkowski).
1-0 Students' Songs.
 The BBC Men's Chorus; conductor, Leslie Woodgate. Henry Cummings (Baritone). At the Pianoforte, Ernest Lush. He's a College Boy. Old Noah. A Litany of Drinking. Peter Brown. Begone, Dull Care! The Sardine and the Sprat. Poor Ned. Down in Dmerrara. Mary had a Little Lamb. One More River to Cross. (All songs from the British Students' Song Book.)



MRS. LALITA VENKATRAM, ONE OF THE FINEST MUSICIANS OF SOUTHERN INDIA, WHO FREQUENTLY BROADCASTS FROM BOMBAY.

a.m.
1-30 Van Phillips and his Dance Orchestra.
2-0 A Reading.
2-15 A Short Recital.
 By Jacqueline Townshend (Viola). Arioso (Bach, arr. Franko). Come, Sweet Death (Bach, arr. Tertis). Ostinato (Gordon Jacob). Andante and Vivace (Concone).
2-30 The News and Announcements.
2-50 Ballet Music of Rameau.
 The Boyd Neel Orchestra; leader, Louis Willoughby; conductor, Boyd Neel. Nelee et Myrthis; Chaconne. La Princesse de Navarre: Passepied; Entree des Bohemiens; Menuet I; Menuet II; Tambourin et Rondeau; Gavotte I; Danse Gai; Entree des Graces; Gavotte II; Finale. Les Indes Galantes: Marche; Menuet; Danse des sauvages; Chaconne.
Greenwich Time Signal at 3-30 a.m.
3-30 Variety.*
3-50 Popular Ballads.†
3-57 "Under Big Ben."**
 By Howard Marshall.
4-15 Close down.

* Electrical recording. † Gramophone records.

GERMANY (Berlin)

DJA 31.38, DJQ 19.63, DJN 31.45, DJE 16.89.

10-40 a.m. Happy Sounds. 11-45 a.m. Happy Sounds (contd.) 12-30 p.m. News and Economic Review in English. 12-45 p.m. To-day in Germany. Sound Pictures. 1-0 p.m. A Meeting of North, East, South and West. A competition of jolly companions. 2-15 p.m. Gay October has made everything colourful. 3-15 p.m. German Marches. 4-30 p.m. Concert of Light Music. 5-30 p.m. News in English. 5-45 p.m. Greetings to our Listeners in the Far East. 5-50 p.m. Concert of Light Music (contd.). 6-45 p.m. Chamber Orchestra (Hasse). 7-30 p.m. News and Economic Review in English on DJE, DJQ. 7-45 p.m. To-day in Germany. Sound Pictures. 8-0 p.m. A short radio play, "The Relay". 8-15 p.m. Concert of Items by Request: Hallo, hallo! You wish—we play. 9-15 p.m. New Songs by Paul Graener. 9-30 p.m. Close down.

FRANCE (Radio Colonial)

Wavelength 19.68 m. and/or 25.24 m.

11-30 a.m. Relay from P.T.T. Transmitter. 11-50 a.m. Market Prices, Rates of Exchange. 12-0 noon. Records. 12-10 p.m. Relay from P.T.T. Transmitter. 12-25 p.m. Records. 1-0 p.m. Talk on Events in France. 1-15 p.m. Records. 1-45 p.m. News in French. 2-15 p.m. News in English. 2-30 p.m. Close down. 3-25 p.m. Day's Programme. 3-30 p.m. Relay from Radio-Paris—Concert. 4-30 p.m. News in English. 4-45 p.m. Concert-Relayed. (contd.). 5-15 p.m. News in French. 5-45 p.m. Concert-Relayed. (contd.). 6-30 p.m. International Talk, by Mr. Jacques Kayser. 6-40 p.m. Talk on Music, by Mr. Charles Oulmont. 6-50 p.m. Colonial Market Prices, Rates of Exchange. 7-0 p.m. Concert with Mrs. Jeanne Herve, vocalist; Miss Valentin-Thyssens, pianist; Miss Paule Bouquet, violinist; Mr. Tortelier, 'cellist. 8-25 p.m. Rates of Exchange and French Stock (Rentés). 8-30 p.m. Close down. 9-45 p.m. News in French, Market Prices, Rates of Exchange. 10-30 p.m. Concert-Relayed. 11-0 p.m. Relay of Radio-Journal of France (French News). 11-20 p.m. Talk. 11-30 p.m. Concert. Records. 12 midnight. News in English. 12-130 a.m. News in French, Market Prices. 1-0 p.m. Relay. 3-30 a.m. Close down.

HOLLAND (Phohi)

Wavelength 16.88 Metres.

6-30 p.m. Opening announcement. 6-35 p.m. Music. 6-40 p.m. Latest News from Holland. 6-55 p.m. Talk. 7-10 p.m. Piano recital by Julia Noach. 7-30 p.m. Well known Hollanders before the Phohi microphone. 7-50 p.m. Piano recital (contd.). 8-10 p.m. Dance music. 8-30 p.m. Close down.

ITALY (Rome)

Wavelength 25.40 and/or 31.13 Metres.

5-13 p.m. Varied programmes. 6-45 p.m. Concert. Talk. "Il Mugello". 7-30 p.m. News in English. Operatic selections. 10-0 p.m. Vocal concert. Bianca Tesco, soprano. Giovanni Barberini, tenor. Luigi Bernardi, baritone. 11-10 p.m. Concert of Arabian music.

All Times are given in Indian Standard Time.



VUD 340.13 metres, 822 kc/s.

TRANSMISSION I.

- a.m.**
8-0 Time Signal.
8-10 Ghulam Farid. Naat.
8-20 AIR Orchestra. Shiv Mat Bhairon.
8-30 Aziz-ur-Rehman. Dadra Jogiya.
8-40 Master Jiwan. Clarionet, Jonpuri.
8-45 Talk (Hindustani): "Constitutions of the World" No. 6. Switzerland. BY PROF. MOHD. HABIB.
9-0 AIR Qawwals. Qawwali.
9-20 Ghulam Farid. Mouth Organ—Dance Tunes. Assisted by AIR Orchestra.
9-30 Aziz-ur-Rehman. "Mudat hui hai yar ko mehman kiye hue Josh-i-qadah se bazm chiraghan kiye hue." (Ghalib.)
9-40 Ghulam Farid. "Allah Allah ishq ki ranaiyan Husn khud lene laga angraiyan." (Jigar).
9-50 Ghulam Sabir. Sarangi—Shudh Bilawal.
10-0 Close down.

TRANSMISSION II.

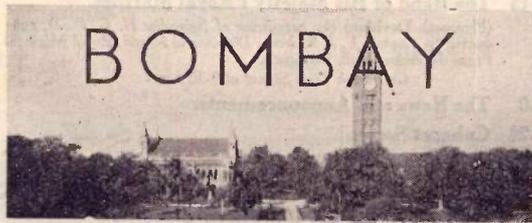
- p.m.**
12-30 Time Signal.
Indian Recorded Music.
 MASTER FAQRUDDIN - - - - Naat.
 GHULAM FARID - - - - Naat Punjabi.
 ZOHRA BAI - - - - Todi Mian Khan & Jonpuri.
 GAUHAAR BAI of Bijapur - - - - Malkaus Thumri.
 SAIGAL - - - - Ghazal.
 AKHITAR BAI FAIZABADI - - - - Ghazal.
 KAMLA JHARIA - - - - Ghazal.
 FAYYAZ KHAN of Baroda - - - - Thumri, Bhairavi, Bihag.
 NARAYAN RAO VYAS - - - - Basant, Gaur Malhar.
 DECCA ORCHESTRA PARTY - - - - Instrumental.
1-30 Close down.

TRANSMISSION III.

- p.m.**
5-30 Time Signal.
AIR Orchestra. Sarod-i-Raqs.
5-40 Hamid Hussain. Dadra. "Kon albela kinare jhama jham pani bhare re."
5-50 Aziz-ur-Rehman. "Kaun ghamkhar Illahi shab-i-gham hota hai Ab to pailhu men mire dard bhi kam hota hai." (Dagh).
6-0 Ghulam Farid. "Ishq ka pas-i-adab ai gham-i-hijran karna Pailhe dil chak ho phir chak giriban karna." (Bekhud.) "Dard bankar fughan na ho jae Yeh zamin asman na ho jae." (Jigar).
6-20 1st News and Weather Report (Hindustani).
6-30 1st News and Weather Report (English).
6-40 AIR Orchestra. Shudh Kalian.
6-50 Bhopali. Khayal.
7-0 Ghulam Farid. Punjabi Ghazal.
7-10 Aziz-ur-Rehman. Ghazal.
7-20 Ghulam Farid. Mouth Organ. Accompanied by AIR Orchestra.
7-30 "For Villagers Only." (Delhi Market Rates at 8 p.m.)
8-30 Talk (Hindustani): "How they wed." No. 6. In Abyssinia. BY ARUNA ASAF ALI.
8-45 Songs from the Difarosh—Part III.
9-15 2nd News and Weather Report (Hindustani).

Friday, 9th October

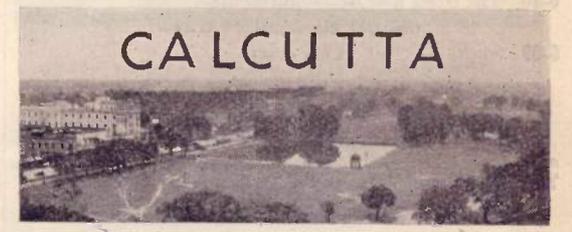
- p.m.**
9-30 Time Signal.
2nd News and Weather Report (English.)
10-0 *A Variety Entertainment. Arranged and directed by SADIE WHITMARSH.
 PEGGY DUNCAN. Soprano.
 BOB PHILLIPS. Violin.
 SADIE WHITMARSH. Comedienne.
 F. AUSTIN AND P. BATEMAN. Banjo Duets.
 KATHLEEN BATEMAN. Pianoforte.
 PEGGY DUNCAN. "A Brown Bird Singing" H. Wood.
 "A Fat lil' Feller wid his Mamny's eyes." S. Gordon.
 BOB PHILLIPS. "By the Waters of Minnetonka" Lieurance.
 "Libesfreud" Kreisler.
 F. AUSTIN AND P. BATEMAN. Banjo Duets. "I never saw anything like it." "Does Santa Claus put his whiskers under or over the sheet."
 BOB PHILLIPS. "Meditation" from "Thais" Massenet.
 "Serenade Espagnole" Chaminade-Kreisler.
 PEGGY DUNCAN. "Bird Songs at Eventide" E. Coates.
 "Mother Machree" Olcott and Ball.
 F. AUSTIN AND P. BATEMAN. Banjo Duets.
 SADIE WHITMARSH. "You are my lucky Star." "Thanks a Million."
11-0 Close down.
 *Relayed from our Simla Studio.



VUB 350.9 metres, 855 kc/s. 31.36 metres, 9565 kc/s.

- a.m.**
11-30 A Selection of Indian Music.
 KHAN SAHIB ABDUL KARIM KHAN. "Ram Nagariyame Keyse" Mishra Jangla.
 "Piyake Milanki As" Josiya.
 AZAMBAI. "Aaha Des Keysa Chhan" Lavani.
 "Sakhya Kowal Maze Ang" Lavani.
 DURGABAI KHOTE. "Mera Lal." In 2 Parts.
 SURESHBARU. "Lalana Dise" Mishra Kafi.
 "Sukhakarini Hi Varta" Shudhasarang.
 RAJKUMARI—(Prakash Pictures). "Navi Duniya Vasavishu" Film Sansar Leela.
 "Prem Prem Vishva Prem" Film Sansar Leela.
 BAL GANDHARVA. "Tum Bin Meri" Pitu, Bhajan.
 "Prabhu Tera Mahima" Bageshree, Bhajan.
 S. B. SHASTRI. "Lagi Lagan Mohe" Shankara.
 "Tum Durase Bolo Bat" Kafi.
 RAMBHAU GULAVANI. "Jo Hamne Tumse Bat" Bageshree.
 "More Nahi Chale" Pitu, Thumri.
p.m.
1-0 Available Market Rates.
Lunch Hour Selections. (Columbia Records.)
 LEN FILLIS AND HIS NOVELTY ORCHESTRA. "Song Hits Orchestral Medley."
 THE SCHWARZ TRIO. Waltz. "Beautiful Spring."
 March. "On the Worther Lake."
 THE BIG FOUR (Vocal Quartet). "Jolly good company."
 "It always starts to rain."
 EDDIE PEABODY (Banjo). Serenade "Millions D'Artequin."
 "La Paloma."
 LAYTON AND JOHNSTONE (American Duettists). "What good am I without you."
 "I'm wearing out my heart for you."
 VIVIAN ELLIS (Pianoforte solo). Waltz "Glamorous Night."
 THE BOHEMIANS. "Spring Serenade."
 "A little love, a little kiss."
 THE SCHWARZ TRIO. "Whispering Flowers."
 "Tegernseer Landler."
2-0 Close down.

- p.m.**
5-30 The VUB Indian Orchestra.
6-15 Talk (Marathi): "Amcha Samajik Chali Riti." By LEELA NIMBKAR.
6-30 Light Music By VANKTESH ATMARAM KAGALKAR of Belgaum.
7-15 Recitations from Holy Quran By MOULVI GULAM MOHOMED KAMAR.
7-30 Bengali Songs By ANIL BISWAS With Sarangi, Harmonium and Tabla.
8-30 Commercial News and News in Hindi.
9-0 "Baba Vakyam Pramanam." A Marathi Skit, produced by S. N. CHPEKAR.
9-30 Talk (English): "Motor Travel in India." By H. E. ORMEROD, J. P.
9-45 News in English.
10-0 The Continental Quintet.
 SB Potpourri - "Victoria and her Hussar" P. Abraham.
 Waltz - "Lovely Lady" J. McHugh.
 "It's sin to tell a lie." Billy Mayhew.
 Foxtrot - "Alone" N. H. Brown.
 "Music hath Charms." Henry Hall.
 Tango - "Poema" Mario Melfi.
 "Sprich nicht von ewiger Liebe" B. Granichstaedten.
 Selection - "Roberta" J. Kern.
 March - "Vienna remains Vienna" J. Schrammel.
11-0 Close down.



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

- p.m.**
12-36 Time Signal.
SB *Musical Selections from the Studio.
1-0 Talk (English): "About Vitamins." By DR. RUDOLPH TREU.
1-20 Selection of Dance Music. Featuring the latest Numbers. (H. M. V. Recording). Calcutta Weather Bulletin for Oeancraft and Rivercraft.
1-36 Talk: "Half an Hour with Great Authors—GOETHE." By NRIPIEN CHATTERJEE. A Broadcast for School Students.
2-6 *Musical Selections.
2-36 Talk (Bengali): "Literature." By BISHNU SARMA.
3-6 Time Signal. Close down.
5-6 Time Signal.
 Letters and Riddles. Kishore Parishad presents "Dhruba," by BANKIM DAS GUPTA. Under the direction of KAMAL BOSE.
6-6 Talk (Bengali): "Bengal's Silk Industry." By A. M. SARMA.
6-26 *Musical Selections. Then and Now. By ANGURBALA.
6-41 Commercial News and Weather Report (In Bengali).
SB
6-46 News in Bengali.
SB
7-1 Commercial News and Weather Report (In English).
SB
 Time Signal.
7-6 News in English.
7-21 Indian Theatrical Night.
SB BETAR NATOOKEY DAL presents: "Manik-Jore." By DEBENDRA NATH BOSE. Under the direction of B. K. BHADRA. Featuring TULSI LAHIRI. Bidhu-Doctor. DHIREN DAS. Sidhu. USHABATY. Tepi's Mother. MONI MAZOOMDAR. Gita Govinda.
10-21 Time Signal. Close Down.
 *Gramophone Records.

All Times are given in Indian Standard Time.



TRANSMISSION 5.

GSP 15.31 Mc/s (19.60 m.), GSD 11.75 Mc/s (25.53 m.),
GSC 9.58 Mc/s (31.32 m.)

- a.m.
- 4-30 **Big Ben. Dance Music.**
- 5-2 **"Empire Magazine," No. 8.***
A weekly review of things at home. Edited by Pascoe Thornton.
- 5-32 **Short Story.**
- 5-47 **An Organ Recital.**
By Guy Weitz. From the Concert Hall, Broadcasting House. Prelude and Fugue in E (Lubeck). Scherzo—Caprice (Bernard). Christmas Rhapsody, on an old Walloon Carol (Weitz).
- 6-10 **The News and Announcements.**
Greenwich Time Signal at 6-15 a.m.
- 6-30 **Close down.**

TRANSMISSION 6.

GSP 15.14 Mc/s (19.82 m.), GSC 9.58 Mc/s (31.32 m.)

- a.m.
- 7-30 **Big Ben. A Recital.**
By Gladys Ripley (Contralto) and John Myrddin (Tenor). Gladys Ripley: Thought; When I'm a Grown Up Lady (Howard Fisher). The Kashmiri Song; The Temple Bells (Woodforde-Finden); John Myrddin: E'en as a Lovely Flower (Frank Bridge), Linden Lea (Vaughan Williams), Money O'I (Michael Head). Gladys Ripley: Down in the Forest (Landon Ronald), Down Vauxhall Way (Herbert Oliver), In the Gloaming (Ammie Harrison). John Myrddin: The Minstrel (Easthope Martin), My Little Welsh Home (Gwynn Williams), The Fisherman of England (Montague Phillips).
- 8-5 **"Under Big Ben."***
By Howard Marshall.
- 8-20 **"Standing on a Corner."***
Book and lyrics by Charles Hayes. Music arranged and composed by George Barker. The cast supported by the B.B.C. Revue Chorus and the B.B.C. Empire Orchestra (leader, Daniel Melsa), under the direction of Clifton Helliwell. Production by William MacLurg.
- 9-10 **The News and Announcements.**
Greenwich Time Signal at 9-15 a.m.
- 9-30 **Close down.**

TRANSMISSION 1.

GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.)

- p.m.
- 12-45 **Big Ben. A Short Recital.**
By Rita Sharpe (Violoncello), Minuet (Handel, arr. Honor Rendall) Orientale (Cesar Cui). Jota (Falla).
- 12-55 **Talk on Badminton.***
By Mr. Devlin.
- 1-10 **The BBC Empire Orchestra.**
Leader, Daniel Melsa; conductor, Eric Fogg. Overture, Silvana (Weber). Ballet, Le Cid: (1) Castillane (2) Andalouse (3) Aragonaise (4) Aubade (5) Catalane (6) Madrilene (7) Navarraise (Massenet). Pastorale (Suite, Iorio's Daughter) (Franchetti). Prelude to Act III (The Cricket on the Hearth) (Goldmark, arr. Bauer). Suite, Scenes from the South, Op. 29: (1) Fairy Tale from La Provence (2) Moorish Dance Song (3) In the Tavern (Nicode). Overture, Die Fledermaus (Johann Strauss).
Greenwich Time Signal at 1-30 p.m.
- 2-10 **"Under Big Ben."***
By Howard Marshall.
- 2-25 **The News and Announcements.**
- 2-45 **Close down.**

TRANSMISSION 2.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.)

- p.m.
- 4-30 **Big Ben. Sydney Gustard, at the Organ of the Gaumont Palace Cinema**
Chester. An Irish Souvenir (Redman). Everybody's Dance (Goodhart). Mississippi Suite: (1) Father of Waters (2) Huckleberry Finn (3) Old Creole Days (4) Mardi Grass (Grove).
- 4-45 **"Under Big Ben."***
By Howard Marshall.
- 5-0 **"Bula Matari."***
The Breaker of Rocks. The story of a workhouse waif, John Rowlands, who became Henry Morton Stanley, the finder of Livingstone. Dramatised by Robin Gerard and Frank Hird. Produced by William MacLurg.

Friday, 9th October

- p.m.
- 5-40 **The Rutland Square and New Victoria Orchestra.**
Directed by Norman Austin. From the New Victoria Cinema, Edinburgh. When Evening Comes (Stanton). Serenade, Aubade a la Fiancee (Volpatti). Medley, Popular Hits (arr. Connelly).
- 6-0 **The BBC Dance Orchestra.**
Directed by Henry Hall.
Greenwich Time Signal at 6-30 p.m.

- 6-30 **The News and Announcements.**
- 6-50 **Friday Mid-day Concert.**
Under the direction of Johan Hock. From Queen's College Chambers Lecture Hall, Birmingham. The Birmingham Philharmonic String Orchestra; leader, Norris Stanley; conductor, Johan Hock. Watson Forbes (Viola). Orchestra: Overture, Lotharius (Handel, arr. Rawlinson). Watson Forbes and Orchestra: Concerto in A for viola and strings: (1) Allegro (2) Adagio (3) Rondo. Allegro (Mozart).

- 7-15 **Close down.**

TRANSMISSION 3.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.)
GSF 15.14 Mc/s (19.82 m.)

- p.m.
- 7-30 **Big Ben. The BBC Welsh Orchestra.**
Leader, Frank Thomas; conductor, Idris Lewis. Sophie Rowlands (Soprano).
- 8-15 **A Pianoforte Recital.**
By Wilfrid Parry. Sarabande; Minuet; Toccata Prelude (Purcell). From Kreisleriana, Op. 16, No. 2, in B flat (Schumann). Valse alsacienne, Op. 4, No. 10 (Holbrooke). Serenade, Op. 3, No. 5 (Rachmaninov). Gopak (Bax).
- 8-45 **Science Talk.***
- 9-0 **Music of the Elizabethans.**
Geoffrey Dunn (Tenor), accompanied by Diana Poulton (Lute). John Ticehurst (Harpisichord).
Greenwich Time Signal at 9-30 p.m.
- 9-30 **"Spheres of Action."**
A feature programme about games, by Stephen Potter. Production by John Pudney.
- 10-0 **The News and Announcements.**
- 10-20 **The Carlton Hotel Orchestra.**
Directed by Rene Tapponnier. From the Carlton Hotel, London.
- 10-30 **Close down.**

TRANSMISSION 4.

Three of the following frequencies will be used:
GSG 17.79 Mc/s (16.86 m.), GSO 15.18 Mc/s (19.76 m.)
GSF 15.14 Mc/s (19.82 m.), GSD 11.75 Mc/s (25.53 m.)
GSB 9.51 Mc/s (31.55 m.)

- p.m.
- 10-45 **Big Ben. John Reynders and his Orchestra.**
Famous Waltzes: Amoretentanze; Die Hydropathen; Casino Dances; Soldatenlieder; Dream on the Ocean; La Jeunesse doree (Gungl, arr. Reynders). Charme d' amour (Kendall). Hraj. Muziko (Piskacek). Was it a Dream? (Coslow). Valse moderne (Claude lvy). Ciribiribin (Pestalozza, arr. Bucalossi). Rosemousse (Bosc). Fountain of Youth (Hesse). Loin du pays (Berger). Waltz (The Merry Widow) (Lehar, arr. Reber).
- 11-30 **The News and Announcements.**
- 11-50 **"Bula Matari."**
The Breaker of Rocks.* The story of a workhouse waif, John Rowlands, who became Henry Morton Stanley, the finder of Livingstone. Dramatised by Robin Gerard and Frank Hird. Produced by William MacLurg.
- a.m.
- 12-30 **A Recital.**
By Audrey Langford (Soprano). The Early Morning (Graham Peel). Still the Lark Finds Repose (Thomas Linley, arr. Ella Ivimey). Orpheus with his Lute (Vaughan Williams). Diaphenia (Harold Samuel). Falling Blossom (Yvonne Sawyer). A Song in the Night (Loughborough).
- 12-45 **Short Story.**
- 1-0 **"Cavalcade."**
By Noel Coward. Adapted for broadcasting by Felix Felton. The cast includes: Mary O'Farrell, Martin Lewis, Joyce Barbour, Eliot Makeham, and Cathleen Mesbitt. The B.B.C. Theatre Orchestra and the Revue Chorus, conducted by Mark H. Lubbock. Production by Val Gielgud and Felix Felton. "Cavalcade" was first produced at the Theatre Royal, Drury Lane, on October 13, 1931. The broadcast version presented to-night is repeated from June, 1936.
- 2-30 **The News and Announcements.**
- 2-50 **A Recital.**
By Harold Fairhurst (Violin). Adagio from Cantata No. 106, "God's Time is Best" Presto, from the Hunting Cantata. "Tis my Pleasure" (Bach, arr. Harvey Grace). Traditional Hebrew Melody (Freely transcribed by Achron). Allegro Rondo (Chiabran (1723), arr. Nachez). Melody (Prokofiev). Perpetuum Mobile (Novacek).

- a.m.
- 3-10 **Mincing Lane Programme.**
- 3-25 **Interlude.†**
Greenwich Time Signal at 3-30 a.m.
- 3-30 **"Down to the Sea in Ships: Sea Power."**
- 3-50 **Interlude.†**
- 3-55 **Dance Music. Jack Payne and his Band.**
- 4-15 **Close down.**

* Electrical recording. † Gramophone records.

GERMANY (Berlin)

DJA 31.38, DJQ 19.63, DJN 31.45, DJE 16.89.

- 10-40 a.m. Short musical pieces. 11-45 a.m. Short musical pieces (contd.) 12-30 p.m. News and Economic Review in English. 12-45 p.m. To-day in Germany. Sound Pictures 1-0 p.m. The Hasse Chamber Orchestra. 1-45 p.m. Scenes from "Die Piccolomini". 2-30 p.m. Hitler Youth Programme. 3-15 p.m. "German Economics." 3-30 p.m. "The Heavens praise the glory of Eternity."
- 4-30 p.m. Concert of Light Music. 5-30 p.m. News in English. 5-50 p.m. Concert of Light Music (contd.). 6-45 p.m. Folk Music. 7-30 p.m. News and Economic Review in English on DJE, DJQ. 7-45 p.m. To-day in Germany. Sound Pictures. 8-0 p.m. "German Economics." 8-15 p.m. Military Concert. 9-30 p.m. Close down.

FRANCE (Radio Colonial)

Wavelength 19.68 m. and/or 25.24 m.

- 11-30 a.m. Relay from P.T.T. Transmitter. 11-50 a.m. Market Prices, Rates of Exchange. 12-0 noon. Records. 12-10 p.m. Relay from P.T.T. Transmitter.
- 12-25 p.m. Records. 1-0 p.m. Talk on Events in France. 1-15 p.m. Records. 1-45 p.m. News in French. 2-15 p.m. News in English. 2-30 p.m. Close down.
- 3-25 p.m. Day's Programme. 3-30 p.m. Relay from Radio-Paris—Concert. 4-30 p.m. News in English. 4-45 p.m. Concert-Relayed (contd.). 5-15 p.m. News in French. 5-45 p.m. Concert-Relayed. (contd.). 6-30 p.m. Important Trends of Contemporary Thought, by Mr. P. Descaves. 6-40 p.m. Humour of To-day, by Mr. Dessoudeix. 6-50 p.m. Colonial Market Prices, Rates of Exchange. 7-0 p.m. An Education That Failed, Musical Comedy by Emmanuel Chabrier. 8-25 p.m. Rates of Exchange and French Stock (Rentes). 8-30 p.m. Close down.
- 9-45 p.m. News in French, Market Prices, Rates of Exchange. 10-30 p.m. Concert-Relayed. 11-0 p.m. Relay of Radio-Journal of France (French News). 11-20 p.m. The French Epics, by Mr. Etienne Buisson. 11-30 p.m. Concert-Relayed (contd.). 12-0 midnight. News in English. 12-30 a.m. News in French, Market Prices. 1-0 a.m. Dramatic Federal Broadcast. 3-30 a.m. Close down.

HOLLAND (Phohi)

Wavelength 16.88 Metres.

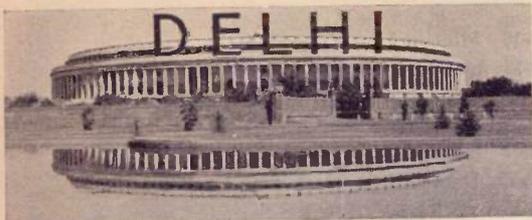
- 6-30 p.m. Opening announcement. 6-35 p.m. Music. 6-40 p.m. Latest News from Holland. 6-55 p.m. Music. 7-10 p.m. Talk. 7-30 p.m. Dzijobs Ising sings. 7-45 p.m. Music. 8-10 p.m. Dzijobs Ising (contd.). 8-30 p.m. Close down.

ITALY (Rome)

Wavelength 25.40 and/or 31.13 Metres.

- 5-13 p.m. Varied programmes. 6-45 p.m. Concert. Talk: "Mediterranean civilization: Julius Caesar and poetry." 7-30 p.m. News in English. Symphonic concert. Talk: "The Music" by Bruno Barilli. 10-0 p.m. Vocal concert. folksongs; Letizia De Feo, soprano. Dance music.

You Must Not Let Your "Indian Listener" Subscription Expire.



VUD 340.13 metres, 882 kc/s.

TRANSMISSION I.

- a.m. 8-0 *Time Signal.*
- 8-10 **Arti** By AIR ARTISTS. Accompanied by AIR Orchestra.
- 8-10 **Brinder Singh.** *Bhajan.*
- 8-20 **AIR Orchestra.** *Bengal Bhairon.*
- 8-30 **Irshad Ali.** "Chubh gai un ki nazakat dil men Ab nahin zabt ki taqat dil men." (*Bekhud.*)
- 8-37 **P. S. Mukerji.** *Sarode—Bilas Khani.*
- 8-45 **Talk (Hindustani):** "Minding the Mind" No. 6 Dreams. By SHEIKH ATAUR REHMAN.
- 9-0 **Brinder Singh.** "Bedard hain jo dard kisi ka nahin rakhte Aise bhi hain ya Rab keh tamanna nahin rakhte." (*Dagh.*)
- 9-10 **Mahboob.** *Thumri Bhairvin.*
- 9-20 **Malang Khan.** *Sitar—Asawri.*
- 9-30 **Irshad Ali.** "Shokhi ne tiri kam kiya ik nigah men Sufi hai butkade men sanam khankah men." (*Dagh.*)
- 9-40 **Mahboob.** *Qawwali.*
- 9-50 **AIR Orchestra.** *Gaur Sarang.*
- 10-0 *Close down.*

TRANSMISSION II.

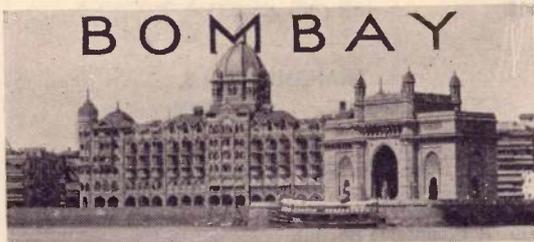
- p.m. 12-30 *Time Signal.*
- Indian Recorded Music Vocal.**
 - MASTER VASANT
 - YUSUF EFFENDI
 - SAMAD QAWWAL
 - BASHIR QAWWAL
 - ABDUR RAZZAQ
 - PEARE SAHIB
 - GANDHARE HANGAL
 - NARAIN RAO VYAS
 - LADLI PERSHAD
 - ONKAR NATH
- 1-30 *Time Signal.*
- "Favourite Musical Comedies."** (*Recorded.*)
 - DEBROY SOMER'S BAND - - - (Columbia 9200).
 - "The Desert Song."
 - COLUMBIA LIGHT OPERA COMPANY - - (DX-599).
 - Vocal Gems from "Chu Chin Chow."
 - NEW MAYFAIR DANCE ORCHESTRA - - (H.M.V. C-2205).
 - "White Horse Inn."
 - COLUMBIA LIGHT OPERA COMPANY - - (DX-159).
 - Vocal Gems from "The Merry Widow."
 - JACK HYLTON AND HIS ORCHESTRA - - (C-1727).
 - "Bitter Sweet."
 - LIGHT OPERA COMPANY - - (H.M.V. C-2605).
 - "A Country Girl."
 - LONDON THEATRE ORCHESTRA - - (DX-61).
 - "The Maid of the Mountains."
- 2-30 *Close down.*

TRANSMISSION III.

- p.m. 5-30 *Time Signal.*
- AIR Orchestra.** *Naghma-i-Raqs.*
- 5-40 **Brinder Singh.** *Bhajan.*
- 5-50 **Ghulam Sabir.** *Sarang—Bhim Plasi.*
- 6-0 **Irshad Ali.** *Naat.*
- 6-10 **Mahboob.** *Qawwali.*
- 6-20 **1st News and Weather Report (Hindustani).**
- 6-30 **1st News and Weather Report (English).**
- 6-40 **Gayanacharia Pandit Narayan Rao Vyas of Bombay.** *Classical Music.*
- 7-30 **"For Villagers Only."** (*Delhi Market Rates at 8 p.m.*)
- 8-30 **Talk (Hindustani):** "Public Nuisances" No. 1. The Insurance Agent. By SHAUKAT THANAWI.

Saturday, 10th October

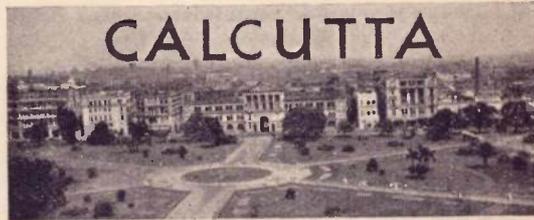
- p.m. 8-45 **Gavanacharia Pandit Narayan Rao Vyas of Bombay.** *Classical Music.*
- 9-15 **2nd News and Weather Report (Hindustani).**
- 9-30 *Time Signal.*
- 2nd News and Weather Report (English).**
- 9-45 **Talk (English):** "Are examinations a lottery?" By C. B. YOUNG.
- 10-0 **Play (Hindustani):** "Forced Marriage." By FAZL-I-HAQ QURESHI. Performed by AIR Artists.
- 10-40 **Recorded Music.**
- 11-0 *Close down.*



VUB 350.9 metres, 855 kc/s. 31.36 metres, 9565 kc/s.

- a.m. 11-30 **Jaltarang** By DATTARAM PARWATKAR.
- noon 12-0 **Light Music** By KRISHNABAI HUKKRI. With *Sarangi, Harmonium and Tabla.*
- p.m. 1-0 Available Market Rates. **Jules Craen and his Quintet.** Relayed from Taj Mahal Hotel. (*By kind permission of the Management.*)
 - "Vie D'Artiste" - - - - - Strauss.
 - "Sunshine in your Smile" - - - - - Ray.
 - "Werther" - - - - - Massenot.
 - "Minuet" - - - - - Rameau.
 - "Idylle Passionelle" - - - - - Razigade.
 - "Caravan Mysterieuse" - - - - - Ralston.
- 2-0 *Close down.*
- 4-30 **Light Music** By Miss LAKDAWALA.
- 5-0 **Talk (Marathi):** "Gruha Shastra." By MRS. SITABAI ANNIGERI.
- 5-15 **Bul Bul Tarang Solo** By JAYANT SHAH.
- 5-30 **Relay from Regal Cinema.** (*By kind permission of the Management.*)
- 6-30 **Bhajan Songs.** By EKNATH HATISKAR.
- 7-15 **Talk (Gujerati):** "Parents, School and the Children." By S. U. SUKLA.
- 7-30 **Mehangi Raza.** In Gazals and Quawals. Assisted by the VUB Orchestra.
- 8-30 **Commercial News and News in Hindi.**
- 9-0 **"Kathiavadi Meman."** A Gujerati comic skit produced by L. H. GHELANI, starring BALABAI, LAT SAHEB, RAHIM and others.
- 9-30 **Talk (English):** "Communal Concord in the days of Akbar." By PROF. A. A. A. FYZEE.
- 9-45 **News in English.**
- 10-0 **An Instrumental Concert.** SB By the BAND OF THE 2ND BN. THE DURHAM LIGHT INFANTRY. (*By kind permission of Major V. A. C. Yate, M.C., and Officers.*)
 - Bandmaster, FRANK H. ROSE, A.R.C.M.
 - Grand March - - "Spirit of Pagentry" - - Fletcher.
 - Selection - - - "Il Trovatore" - - Verdi.
 - (Produced in 1853, the opera with its abundant charm of Italian melody has won for itself an unflinching appreciation).
 - Walse - - - "La Plus Belle" - - Waldeufel.
 - CORPORAL J. OWENS.
 - Pianoforte Solos. "Selected."

- p.m. BAND-SERGEANT J. L. SHAW. "Saxophone Solos." "Selected." Kern. "Gems from" "Show Boat"
- CORPORAL J. OWENS AND BANDSMAN P. MURRAY. "Xylophone Duet." "Flotsam and Jetsam." Barsotti.
- Selection of W. H. Squire's popular songs. Introducing "A Sergeant of the Line." "If I might come to you" "The Corporal's Ditty." "In an Old Fashioned Town." "Nectarine." "The Toast." "Mountain Lovers." "Pals" "When you come home." "Regimental March." "The Light Barque."
- 11-0 *Close down.*



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

- p.m. 12-36 *Time Signal.*
- SB **The Grand Hotel Orchestra.** Relayed from the Palm Court of the Grand Hotel. Calcutta Weather Bulletin for Oeancraft and Rivercraft.
- 1-36 **A Story (Bengali):** "Vendetta." By PROVABATY DEVI SARASWATY.
- 2-6 ***Musical Selections.**
- 2-36 **Talk (Bengali):** "Women as Wage-Earners." By BELLA HALDER.
- 3-6 *Time Signal. Close down.*
- 5-6 *Time Signal.*
- "Dalim Kumar."** (A Village Folk Drama. Part 2.) By JASIMUDDIN AND PARTY.
- 5-36 **Talk (Bengali):** "All About Snakes." By DR. R. C. BHATTACHARYA.
- 5-51 **Tagore's Song** By ANIL DAS.
- 6-6 **Modern Bengali Song** By PROVABATY.
- 6-21 **Classico Modern Song** By BINAPANY.
- 6-36 **A Classical Programme.** By the members of Sangit-Kala-Bhaban Organized by GIRIJA SANKER CHAKRAVARTY. GITASREE GEETA DAS. *Thungri.* ARATI DAS. *Thungri.* JAMINI GANGULY. *Kheyal-Naykikanada.* RATHINDRA N. CHATTERJEE. *Kheyal-Sankara.* SAILENDRA NATH BANERJEE. *Kheyal-Adana.* SHANTILATA BANERJEE. *Kheyal-Puria.* KRIPAMOYEE BANERJEE. *Kheyal-Adana.*
- 8-6 **Talk (Bengali):** "My Unpublished Story." By SAILAJANANDA MUKHERJEE.
- 8-21 **Seetar Solo** By GOKUL CHANDRA NAG.
- 8-41 **Commercial News and Weather Report (In Bengali).**
- SB 8-46 **News in Bengali.**
- SB 9-1 **Commercial News and Weather Report (In English).**
- SB 9-6 *Time Signal.*
- SB **News in English.**
- 9-21 **A Studio Programme by T. E. Bevan & Co., Ltd.** (*"Regal" Recording.*)
 - BERT FELDMAN'S SUMMER PRODUCTION AT BLACKPOOL. "Lucky Strike"—Intro: "Diddle-Dum-Dee." "A Sunbonnet Blue," "Calling me Home," etc.
 - BILLY COTTON AND HIS BAND. "You." "A Pretty Girl is like a Melody."
 - THE HILL BILLIES. "Sundown in Peaceful Valley." "Bye-lo-bye Lullaby."
 - LONDON PIANO-ACCORDION BAND. "When Evening Comes." "At the Cafe Continental."
 - GEORGE ELLIOTT'S HAWAIIAN NOVELTY QUARTET. "All my Life." "Sundown in old Waikiki."
 - GRACIE FIELDS. "The Kiss Waltz." "You're driving me Crazy."
 - BILLY COTTON AND HIS BAND. "Ev'ry time I Look at You." "Alone again."
 - BERT FELDMAN'S SUMMER PRODUCTION AT BLACKPOOL. "Lucky Strike"—Intro: "Don't give up the ship." "Here comes the Bride," etc.
- 10-21 ***Dance Music from the Studio.**
- 10-36 *Time Signal. Close down.*

*Gramophone Records.



B.B.C.

TRANSMISSION 5.

GSP 15.31 Mc/s (19.60 m.), GSD 11.75 Mc/s (25.53 m.), GSC 9.58 Mc/s (31.32 m.)

- a.m.
- 4-30 **Big Ben. The BBC Empire Orchestra.**
- 5-30 **"Down to the Sea in Ships—Sea Power."****
- 5-50 **Variety.***
- 6-10 **The News and Announcements.**
Greenwich Time Signal at 6-15 a.m.
- 6-30 **Close down.**

TRANSMISSION 6.

GSF 15.14 Mc/s (19.82 m.), GSC 9.58 Mc/s (31.32 m.)

- a.m.
- 7-30 **Big Ben. "Empire Magazine," No. 8.***
A weekly review of things at home. Edited by Pascoe Thornton.
- 8-1 **H. Robinson Cleaver, at the Organ of the Regal Cinema.**
Bexleyheath. Suite, Americana: March, Tiger's Tail; Serenade, When Malindy Sings; Sketch, The Watermelon Fete (Thurban). When the Moon Hangs High (Bullock). The Lost Chord (Sullivan). Orient Express (Mohr). Old Folks at Home and in Foreign Lands: (1) France (2) Scotland (3) Spain (4) Ireland (5) Hungary (Charles Roberts).
- 8-30 **A Recital.**
By Arthur Reckless (Baritone). Sons of the Sea (Coleridge-Taylor). A Smugglers' Song (Michael Mullinar). In Summertime on Bredon (Graham Peel). The Pruty Creature (Storage, arr. Lane Wilson).
- 8-46 **The BBC Dance Orchestra.***
Directed by Henry Hall.
- 9-10 **The News and Announcements.**
Greenwich Time Signal at 9-15 a.m.
- 9-30 **Close down.**

TRANSMISSION 1.

GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.)

- p.m.
- 12-45 **Big Ben. The New Georgian Trio.**
Dorothy Canberra (Australian Soprano). Trio: Minuet and Tambourin (Rameau, arr. Bridge-water), Suite of Pieces: (1) Mazurka (2) Song of the Lark (3) The Witch in the Wood Tchaikovsky arr. Bridgewater). Dorothy Canberra: Lilacs (Rachmaninov), The Maiden; My Heart is Like a Singing Bird (Parry), Lane o' the Thrushes (Hamilton Harty), Villanelle (del'Acqua). Trio: Valse serenade (Manns), Arabesque, No. 1 (Debussy).
- 1-20 **"Down to the Sea in Ships: Sea Power."****
Greenwich Time Signal at 1-30 p.m.
- 1-40 **"Spheres of Action."****
A feature programme about games, by Stephen Potter. Production by John Pudney.
- 2-10 **Operatic Arias.†**
- 2-25 **The News Announcements.**
- 2-45 **Close down.**

TRANSMISSION 2.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.)

- p.m.
- 4-30 **Big Ben. The BBC Military Band.**
Conducted by Denis Wright. Thorpe Bates (Baritone). * Band: Overture, Tannhauser (Wagner). Thorpe Bates and Band: Credo (Ottello) (Verdi). Band: Parade of the Little Laeden Soldiers (Pierre), Valse triste (Sibelius), Tango (Albeniz, arr. Howgill). Thorpe Bates: Absent yet Present (Maude Valerie White), The Song of Soldiers (Hely-Hutchinson), The Magic of thy Presence (Roger Quilter), The Toy Band (Harold Samuel), Invictus (Bruno Huhn). Band: Suite, No. 2; (1) March (2) Song without Words, (3) Song of the Blacksmiths (4) Fantasia on the Dargason (Holst).

Saturday, 10th October

- p.m.
- 5-32 **Chamber Music.**
- 6-0 **Humorous Monologues.†**
- 6-10 **Scottish Children's Hour.**
Variety. Including Jean Hastings and Annie Tait in duets. A. K. MacDonald in "Stamps of the Empire." Alex Shaw, the Bird Man. Cathie Fletcher and Jock in a dialogue. Ian Sadler in impersonations.
Greenwich Time Signal at 6-30 p.m.
- 6-55 **The News and Announcements.**
- 7-15 **Close down.**

TRANSMISSION 3.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.), GSF 15.14 Mc/s (19.82 m.)

- p.m.
- 7-30 **Big Ben. "Empire Magazine," No. 8.***
A weekly review of things at home. Edited by Pascoe Thornton.
- 8-1 **The Coventry Hippodrome Orchestra.**
Conductor, William Pethers. From the Hippodrome Theatre, Coventry. Warum? (Why?) (Schumann). Stardust (Carmichael). Selection, Madame Pompadour (Fall). Blue Smiling Waters of Devon (Matthews, arr. Pethers). Slavonic Rhapsody, No. 1 (Friedemann).
- 8-30 **A Symphony Concert.**
The B.B.C. Empire Orchestra; leader, Daniel Melsa; conducted by Fritz Hart. Lauri Kennedy (Australian Violoncellist) * Orchestra: Overture, The Marriage of Figaro (Mozart). Lauri Kennedy and Orchestra: Concerto in A minor, Op. 33 (Saint-Saens). Orchestra: Symphony No. 2 in D, Op. 36: (1) Adagio molto leading to Allegro con brio (2) Larghetto (3) Scherzo, Allegro (4) Allegro molto (Beethoven).
Greenwich Time Signal at 9-30 p.m.
- 9-30 **"Tommy Tune's Tours"—No. 1.**
Conducted by Josef Marais and his Troubadours. Music and lyrics by Albert Diggendorf and Josef Marais. Script and production by John Pudney.
- 9-50 **Old-Time Dance Tunes.†**
- 10-0 **The News and Announcements.**
- 10-20 **The Latest Dance Tunes.†**
- 10-30 **Close down.**

TRANSMISSION 4.

Three of the following frequencies will be used: GSG 17.79 Mc/s (16.86 m.), GSO 15.18 Mc/s (19.76 m.), GSF 15.14 Mc/s (19.82 m.), GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.)

- p.m.
- 10-45 **Big Ben. Scottish Children's Hour.**
Variety. Including Jean Hastings and Annie Tait in duets. A. K. MacDonald in "Stamps of the Empire." Alex Shaw, the Bird Man, Cathie Fletcher and Jock in a dialogue. Ian Sadler in impersonations.
- 11-30 **The News and Announcements.**
- 11-50 **Sydney Baynes and his Band.**
Serenade (Heykens). Tarantella Mia (Baynes). Medley of Popular Songs: Reminiscences, No. 3 (arr. Baynes). Ho Ang Ho (Siede). Did I Remember? (Donaldson). Legacies, No. 2 (arr. Baynes).
- a.m.
- 12-30 **"Spheres of Action."****
A feature programme about games, by Stephen Potter. Production by John Pudney.
- 1-0 **"In Town To-night."**
An old favourite, with new features. Produced by A. W. Hanson.
- 1-30 **A Short Recital.**
By Dorothy Clark (South African Contralto). In the Silent Night; The Island; Spring Waters (Rachmaninov). Where Corals Lie (Sea Pictures) (Elgar). Adrift (Granville Bantock).
- 1-45 **The BBC Orchestra.**
(Section D), conducted by Frank Bridge, Overture, Donna Diana (Reznicek). Ballet, La Boutique Fantasque (Rossini-Respighi).
- 2-30 **The News and Announcements.**
- 2-50 **Music Hall.**
Greenwich Time Signal at 3-30 a.m.
- 3-50 **Gershom Parkington Quintet.**
- 4-15 **Close down.**

* Electrical recording. † Gramophone records.

GERMANY (Berlin)

DJA 31.38, DJQ 19.63, DJN 31.45, DJE 16.89.

- 10-40 a.m. Light Music. 11-45 a.m. Light Music (contd.)
- 12-25 p.m. Greetings to our listeners. 12-30 p.m. News and Economic Review in English. 12-45 p.m. To-day in Germany. Sound Pictures. 1-0 p.m. Dance Music. 2-15 p.m. King Henry, the Founder of the First Reich. 3-15 p.m. Woman's Hour.
- 4-30 p.m. Concert of Light Music. 5-30 p.m. News in English. 5-45 p.m. Greetings to our Listeners in the Near East. 5-50 p.m. Concert of Light Music (contd.). 6-45 p.m. Scenes from "Die Piccolomini" by Friedrich Schiller. 7-30 p.m. News and Economic Review in English on DJE, DJQ. 7-45 p.m. To-day in Germany. Sound Pictures. 8-0 p.m. Weinkauff Trio. Trio F major by Robert Schumann. 8-30 p.m. Selections from the Literature of National Socialism. 8-45 p.m. Talk. Dynamic Economics. 9-0 p.m. "The Heavens praise the glory of eternity." 9-15 p.m. Good Night. 9-30 p.m. Close down.

FRANCE (Radio Colonial)

Wavelength 19.68 m. and/or 25.24 m.

- 11-30 a.m. Relay from P.T.T. Transmitter. 11-50 a.m. Market Prices. 12-0 noon. Records. 12-10 p.m. Relay from P.T.T. Transmitter.
- 12-25 p.m. Records. 1-0 p.m. Talk on Events in France. 1-15 p.m. Records. 1-45 p.m. News in French. 2-15 p.m. News in English. 2-30 p.m. Close down.
- 3-25 p.m. Day's Programme. 3-30 p.m. Relay from Radio-Paris—Concert. 4-30 p.m. News in English. 4-45 p.m. Concert-Relayed. (contd.). 5-15 p.m. News in French. 5-45 p.m. Concert-Relayed. (contd.). 6-30 p.m. Message from Paris, by Mr. Francois Porche. 6-40 p.m. Colonial Market Prices. 6-50 p.m. Colonial Market Prices, Rates of Exchange. 7-0 p.m. Musical Atmosphere of France in the Basque Country, with Mr. Carol Beral and Miss Baudry. 8-30 p.m. Close down.
- 9-45 p.m. News in French, Market Prices. 10-30 p.m. Concert-Relayed. 11-0 p.m. Relay of Radio-Journal of France (French News). 11-20 p.m. Cronica Literaria, by Mr. Francois de Teramond. 11-30 p.m. Concert. Records. 12-0 midnight. News in English. 12-30 a.m. News in French, Market Prices. 1-0 a.m. Relay. 3-30 a.m. Close down.

HOLLAND (Phohi)

Wavelength 16.88 Metres.

- 6-30 p.m. Opening announcement. 6-35 p.m. Music. 6-40 p.m. Latest News from Holland. 6-55 p.m. Jacob. Hamel's Children's Choir. 7-10 p.m. Microphone debutants. 7-25 p.m. Music. 7-30 p.m. News talk by Mr. L. Aletrino. 7-50 p.m. From Mail to Mail in Holland. 8-10 p.m. Jacob. Hamel and his Children's Choir (contd.). 8-30 p.m. Close down.

ITALY (Rome)

Wavelength 25.40 and/or 31.13 Metres.

- 5-13 p.m. Varied programmes. 6-45 p.m. Concert Talk. "The Theatre in Malta during the 19th Century" Prof. Benvenuto Cellini. 7-30 p.m. News in English. News in Hindustani. Organ concert. Music played on the request of radio listeners. 10-0 p.m. Selections from the opera "Boheme" by Giacomo Puccini. 11-10 p.m. Concert of Arabian music.

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TRANSMISSION I.

- a.m.**
8-0 *Time Signal.*
 Naat. By AFZAL HUSAIN of Nagina.
 Accompanied by *Sarod, Sitar, Qanun and Tabla.*
- 8-10** **AIR Orchestra.** *Sudh Bhairon.*
- 8-20** **Kallo Bai** of Pataudi. *Khayal, Thumri, Ghazal.*
- 8-45** **Talk (Hindustani):** "Cooking for Pleasure." No. 6.
 Cooking.
 By MRS. G. S. AMAR.
- 9-0** **Gujri Todi.**
 MUKERJI. *Viola.*
 SARDAR. *Violin.*
 SABIRI. *Sarangi.*
 KARRAR. *Qanun.*
 TUFAIL. *Tabla.*
- 9-10** **Afzal Husain.** *Thumri Bhairvin.*
- 9-20** **Kallo Bai** of Pataudi.
 "Kucha us fitna-i-dauran ka dikha kar chhora,
 Dil ne akhir hamen diwana bana kar chhora."
 (Hasrat Mohani).
- 9-30** **Malang Khan.** *Sitar Lachari Todi.*
- 9-40** **Afzal Husain.** *Ghazal.*
- 9-50** **Kallo Bai.** *Ghazal.*
- 10-0** **"Cavalleria Rusticana."** (Mascagni).
 Recorded by the Principals, Chorus, and Orchestra of the
 British National Opera Company at a special performance
 of "Cavalleria Rusticana" in a Theatre.
 THE CAST:
 MAY BLYTH (*Soprano*) Santuzza (betrothed to Turiddu).
 MARJORIE PARRY (*Mezzo Soprano*) Lola (wife of Alfio).
 JUSTINE GRIFFITHS (*Contralto*) Lucia (mother of Turiddu).
 HEDDLE NASH (*Tenor*) Turiddu (a young soldier).
 HAROLD WILLIAMS. (*Baritone*) Alfio (a teamster).
 (A recorded programme).
- 11-0** *Close down.*

TRANSMISSION II.

- p.m.**
12-30 *Time Signal.*
Indian Recorded Music: Vocal.
 ZOHRA BAI (Late)
 GOHAR BAI
 TARAMATI
 KANANBALA
 AKHITARI BAI (Fyazabadi)
 TARAJAN DODAG
 RASHID BEGUM
 NAGINAJAN
 MUSHTARI BAI
 KAMLA JHARIA
- 1-30** *Close down.*

TRANSMISSION III.

- 5-30** *Time Signal.*
AIR Orchestra. *Naghma-i-Rags.*
- 5-40** **Afzal Husain.** *Khayal Bhim Plast.*
- 5-50** **Kallo Bai.** *Thumri Pilu.*
- 6-0** **Afzal Husain.**
 "Jan dene nahin date mire arman mujh ko,
 Zinda dar gor samajh ai shab-i-hijran mujh ko."
 (Behbud).
- 6-10** **Aiman Kalian.**
 GHULAM SABIR. *Sarangi.*
 KARRAR. *Qanun.*
 TUFAIL. *Tabla.*
- 6-20** **1st News and Weather Report (Hindustani).**
- 6-30** **1st News and Weather Report (English).**
- 6-40** **Tan Sen's Anniversary.**
A Relay from His Tomb at Gwalior.

Sunday, 11th October

- p.m.**
9-15 **2nd News and Weather Report (Hindustani).**
- 9-30** *Time Signal.*
2nd News and Weather Report (English).
- 9-45** **Talk:** "Along the Frontier." No. 6.
 Peshawar and Khyber Afridis.
 By MAJOR C. S. SEARLE.
 Political Agent, Khyber Peshawar.
 (A series of talks on the peoples and countries of the Frontier,
 from Baluchistan to Chittagong.)
- 10-0** **A Pianoforte and Vocal Recital.**
 ANTHON KLUMPER *Pianoforte.*
 JANNY KLUMPER VON GOMPEL *Soprano.*
- ANTHON KLUMPER.
 "Sinfonie" - J. S. Bach.
 JANNY KLUMPER VON GOMPEL.
 Aria "Murre Nicht" - J. S. Bach.
 ANTHON KLUMPER.
 Sonata in C major *Haydn.*
 Allegro Con brio.
 Adagio.
 Allegro.
 JANNY KLUMPER VON GOMPEL.
 "Lachen und Weinen" - F. Schubert.
 (Laughing and Weeping).
 "Nacht und traume." - E. Grieg.
 (Night and dreaming).
 "Letze Fruhling (Latest Spring)."
 ANTHON KLUMPER.
 Sonata Pathetique - Beethoven.
 Grave.
 Adagio Cantabile.
 Rondo Allegro.
 Polonaises - F. Chopin.
 Op. 40 No. 1 in A major.
 Op. 40 No. 2 in C minor.
- 11-0** *Close down.*



VUB 350.9 metres, 855 kc/s.

- a.m.**
11-0 **Light Music**
 By SANGIT BHASKAR MASTER VASANT
 With *Sarangi, Harmonium and Tabla.*
- noon.**
12-0 **"Wikaji-No-Wargodo."**
 A Gujerati musical comedy written by FIROZ M. UDWADIA
 and produced by JEHANGIR A. MASTER.
- p.m.**
1-0 Available Market Rates.
A Farewell Programme.
 By THE CONTINENTAL QUINTET.
 Overture - "Jolly Robbers" - F. Suppe.
 Fantasia - "La Tosca" - G. Puccini.
 Waltz - "Ball Syrenen" - F. Lehár.
 "Matinata" - R. Leoncavallo.
 "Rhapsody Napole-
 tana" - V. Valente.
 Potpourri - "Fortissimo" - E. Kalman.
 March - "Castaldo" - J. Novacek.
 (This Popular Orchestra leaves to-night for Delhi where they have
 been engaged for the season.)
- 2-0** *Close down.*
- 4-30** **A Recital of East Indian Songs**
 By F. P. GONSALVES.
 "Cissy Cissy." (Solo.)
 "Mayechi pori hai Barki." (Quartette.)
 "Raes Lagtai Garvacha." (Solo.)
 "Dosti hai Somsar." (Group.)
 Accompanied by the Oriental Syncopators.
 Conducted by M. ALPHONSO.
- 5-0** **Talk (Hindi):** "India and the Moslem Women."
 By SAMSHUNISHABAI A. M. VISRAM.
- 5-15** **Light Classical Music**
 By SARASWATIBAI FATARFEKAR
 With *Sarangi, Harmonium and Tabla.*
- 6-30** **Relay from St. Thomas' Cathedral.**

- p.m.**
7-45 **The VUB Quintet.**
 Overture - "Spanish Comedy" - Keler-Bela.
 Waltz - "Tales of Vienna" - Strauss.
 "Woods"
 Tango - "My Jiddish" - Pollack.
 "Mummie" - Byng.
 Selection - "Baby's Opera"
 DOMINIC PEREIRA, *Vilon solo.*
 "On wings of song" - Mendelssohn.
- 8-30** **News in Hindi.**
- 8-50** **Talk (English):** "Ten Minutes of Good Health."
 By ANEM.
- 9-0** **The VUB Quintet (Contd.)**
 Minuet - "The Ox" - Haydn.
 Serenade - "Glow worms wed-
 ding" - Siede.
 Czardas - "Ghost of the Warrior." - Grossman.
- 9-30** **Talk (English):** "What Makes a City Great."
 By R. P. MASANI, J.P.
- 9-45** **News in English.**
- 10-0** **In an Oriental Cafe.**
 A Variety Programme.
 Composed and produced by RAFIQUE GHAZNAVI with
 his star artistes
 Assisted by THE VUB INDIAN ORCHESTRA.
- 11-0** *Close down.*



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

- a.m.**
8-36 *Time Signal.*
A Panorama of Bengali Music.
 KANKABATY *Modern.*
 DHIRENDRA NATH DAS *Religious.*
- 8-51** PANKAJ KUMAR MULLICK *Tagore.*
- 9-6** HARIDAS BANERJEE *Humorous.*
- 9-26** BANKIM CHANDRA GHORAI *Ramkrishna.*
- 10-6** RATNESHWAR MUKHERJEE *Classico-Modern.*
- 10-26** GOVINDA GOPAL MITRA THAKUR SUDHAKANTHA *Kirtan.*
- 10-46** **Talk (Bengali):** "Stage and Screen Review."
 By SPECTATOR.
- 11-6** **Robert Pikler and his Hungarian Orchestra.**
 SB Musical Selections.
 Relayed from "Firpo's" Restaurant.
 (By kind permission of the Management).
News in English.
- p.m.**
12-36 *Time Signal. Close down.*
- 6-6** **Church Service Relayed from St. John's Church.**
 SB
- 7-21** **Talk (Bengali):** "Indian Students Abroad."
 By T. C. GOSWAMY.
- 7-36** **"Agamani."**
 A Playlet written by GOKUL MUKHERJEE.
 Music by N. MOTILAL AND SURA SANGHA.
 Produced by BELLA HALDER.
- 8-41** **Weather Report (In Bengali).**
 SB
- 8-46** **News in Bengali.**
 SB
- 9-1** **Weather Report (In English).**
 SB
- 9-6** *Time Signal.*
 SB **News in English.**
- 9-21** **Talk:** "At Kila Drouch."
 SB By CAPT. V. D'AUVERGNE.
 No. 2 in the series, "The Relief of Chitral in 1895."
- 9-36** ***Musical Interlude.**
 SB
- 9-46** **A Recital of Gramophone Records.**
 SB (With an introductory talk
 by "GRAMOPHILE.")
- 10-36** *Time Signal. Close down.*
 *Gramophone Records.

All Times are given in Indian Standard Time.



TRANSMISSION 5.

GSP 15.31 Mc/s (19.60 m.), GSD 11.75 Mc/s (25.53 m.),
GSC 9.58 Mc/s (31.32 m.)

- a.m.
- 4-30 **Big Ben. A Recital.**
By Parry Jones (Tenor). Silent Noon; Linden Lea (Vaughan Williams). Sleep; There is a Lady Sweet and Kind (Warlock). If there were Dreams to Sell (John Ireland). The Sweet o' the Year; Troll the Bowl (Moeran).
- 4-50 **"Spheres of Action."**
A feature programme about games, by Stephen Potter. Production by John Pudney.
- 5-20 **The Upper Norwood Salvation Army Band.**
Conductor, P. J. Barker. Peggy Cochrane (Violin). Band: March. The Emblematic Flag (Marshall), Air varie, The Little Ship (Mountain). Peggy Cochrane: Chanson Meditation (Cottenet), Melodie russe (Napravnik), Capriccio all'Antica (Sinigaglia). Band: Long Ago (cornet soloist, T. Giles) (Scotney). Peggy Cochrane: Chanson Louis XIII, and Pavane (Couperin), A la hongroise (Hauser), Serenade (Elgar, arr. Szigeti). Band: Selection from the works of Haydn (arr. Hawkes), March, Beaumont (Dickens).
- 6-10 **The News and Announcements.**
Greenwich Time Signal at 6-15 a.m.
- 6-35 **Close down.**

TRANSMISSION 6.

GSP 15.14 Mc/s (19.82 m.), GSC 9.58 Mc/s (31.32 m.)

- a.m.
- 7-30 **Big Ben. A Symphony Concert.***
The B.B.C. Empire Orchestra; leader, Daniel Melsa; conducted by Fritz Hart. Lauri Kennedy (Australian Violoncellist). Orchestra Overture, The Marriage of Figaro (Mozart). Lauri Kennedy and Orchestra: Concerto in A minor, Op. 33 (Saint-Saens). Orchestra: Symphony No. 2 in D, Op. 36: (1) Adagio molto, leading to Allegro con brio (2) Larghetto (3) Scherzo, allegro (4) Allegro molto (Beethoven).
- 8-31 **"Bula Matari."**
The Breaker of Rocks.* The story of a workhouse wail, John Rowlands, who became Henry Morton Stanley, the finder of Livingstone. Dramatised by Robin Gerard and Frank Hird. Produced by William MacLurg.
- 9-10 **The News and Announcements.**
Greenwich Time Signal at 9-15 a.m.
- 9-35 **Close down.**

TRANSMISSION 1.

GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.)

- p.m.
 - 12-45 **Big Ben. A Religious Service.**
(Presbyterian)* from Acrefair, Wales.
 - 1-31 **A Brass Band Concert.**
 - 2-25 **Weekly Newsletter.**
Sports Summary and Announcements.
 - 2-50 **Close down.**
- TRANSMISSION 2.**
- GSP 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.)
- p.m.
 - 4-30 **Big Ben. The BBC Empire Orchestra.**
 - 5-30 **Talk: "Down to the Sea in Ships; Sea Power."**
No. 1.*

Sunday, 11th October

- p.m.
- 5-50 **A Song Recital.**
- 6-5 **The Commodore Grand Orchestra.**
- 6-25 **Weekly Newsletter.**
Sports Summary and Announcements.
- 6-50 **Musical Interlude.**
- 6-55 **A Religious Service.***
From the Studio.
- 7-10 **Envoi.**
- 7-15 **Close down.**

TRANSMISSION 3.

GSH 21.47 Mc/s (13.97 m.) GSG 17.79 Mc/s (16.86 m.)
GSF 15.14 Mc/s (19.82 m.)

- p.m.
- 7-30 **Big Ben. A Song Recital.**
- 7-50 **A Brass Band Concert.**
- 8-30 **Talk: "Down to the Sea in Ships; Sea Power."**
No. 1.*
- 8-50 **A Violoncello Recital.**
- 9-10 **A Religious Service.***
(Roman Catholic.)
- 10-0 **Weekly Newsletter.**
Sports Summary and Announcements.
- 10-25 **Envoi.**
- 10-30 **Close down.**

TRANSMISSION 4

Three of the following frequencies will be used:
GSG 17.79 Mc/s (16.86 m.), GSO 15.18 Mc/s (19.76 m.),
GSF 15.14 Mc/s (19.82 m.), GSD 11.75 Mc/s (25.53 m.),
GSB 9.51 Mc/s (31.55 m.)

- p.m.
- 10-45 **Big Ben. The BBC Military Band.**
- 11-15 **The BBC Orchestra.**
(Section E), conducted by Leslie Woodgate. Raymond Newell (Baritone), and the B.B.C. Singers.
- 11-30 **Weekly Newsletter.**
Sports Summary and Announcements.
- 11-50 **The BBC Orchestra—contd.**
- 12-15 **"Mr. Pickwick—Still Going Strong."**
Greenwich Time Signal at 12-30 a.m.

- a.m.
- 1-15 **Orchestral Music.†**
- 1-25 **An Empire Service.**
From St. Paul's Cathedral, London.
- 2-15 **A Violin Recital.**
- 2-30 **Weekly Newsletter.**
Sports Summary, and Announcements.
- 2-50 **Victorian Melodies. The BBC Theatre Orchestra**
- 3-20 **Chamber Music.**
Greenwich Time Signal at 3-30 a.m.
- 4-0 **Epilogue.**
- 4-15 **Close down.**

* Electrical recording. † Gramophone records.

All Times are given in Indian Standard Time.

GERMANY (Berlin)

DJA 31.38, DJQ 19.63, DJN 31.45, DJE 16.89.

- 10-40 a.m. Music. 11-45 a.m. Music (contd.) 12-25 p.m. Greetings to our listeners. 12-30 p.m. News and Review of the Week in English. 12-45 p.m. Popular Orchestral Concert. 2-0 p.m. Trio F major by Robert Schumann. 2-30 p.m. Short pieces of Folk Tunes. 2-45 p.m. Duets "If I were a bird." 3-15 p.m. Hitler Youth Programme: Poets in the Hitler Youth: Wolfgang Junemann. 3-30 p.m. Thoughts for evening.
- 4-30 p.m. Concert of Light Music. 5-30 p.m. News in English. 5-45 p.m. Greetings to our Listeners and Call DJQ. 5-50 p.m. Concert of Light Music (contd.). 6-45 p.m. A Sunday Evening Programme. 7-0 p.m. Woman's Hour: Another cup, Godmother. 7-30 p.m. News and Review of the "Week in English on DJE, DJQ. 7-45 p.m. A Sketch for radio In the crevasse." 8-0 p.m. King Henry, the Founder of the 1st Reich. Celebration on the thousandth anniversary of his death. 8-45 p.m. Little Folk Music. 9-0 p.m. Songs of the Autumn. "Wind on the Heath." 9-30 p.m. **Close down.**

FRANCE (Radio Colonial)

Wavelength 19.68 m. and/or 25.24 m.

- 11-30 a.m. Relay from P.T.T. Transmitter. 11-50 a.m. Market Prices. 12-0 noon. Records. 12-10 p.m. Relay from P.T.T. Transmitter.
- 12-25 p.m. Records. 1-0 p.m. Talk on Events in France. 1-15 p.m. Records. 1-45 p.m. News in French. 2-15 p.m. News in English. 2-30 p.m. **Close down.**
- 3-25 p.m. Day's Programme. 3-30 p.m. Relay from Radio-Paris—Concert. 4-30 p.m. News in English. 4-45 p.m. Concert-Relayed. (contd.). 5-15 p.m. News in French. 5-45 p.m. Concert-Relayed. (contd.). 6-30 p.m. Reviews and Periodicals. 6-40 p.m. The Week's Programme, by Mr. P. C. Brive. 6-50 p.m. Colonial Market Prices. 7-0 p.m. Relay. 8-30 p.m. **Close down.**
- 9-45 p.m. News in French and Market Prices. 10-30 p.m. Concert-Relayed. 11-0 p.m. Relay of Radio-Journal of France (French News). 11-20 p.m. Talk on the Cinema, by Mr. Lasne-Desvareilles. 11-30 p.m. Concert. Records. 12 midnight. News in English. 12-30 a.m. News in French, Market Prices. 1-0 a.m. Relay. 3-30 a.m. **Close down.**

ITALY (Rome)

Wavelength 25.40 and/or 31.13 Metres.

- 5-13 p.m. Varied programmes. 6-45 p.m. Symphonic concert. 10-0 p.m. Selections from musical comedies. 11-50 p.m. Varied programmes.

TECHNICAL SERVICE DEPARTMENT.

For the benefit of readers who have technical problems to be solved, we have opened a department for answering queries. These should be addressed to the T. S. D., c/o the Editor, "Indian Listener," and be accompanied by an addressed envelope for the reply. Answers to questions of general interest will be published in the "Listener."

Radio Repairers!

FOR

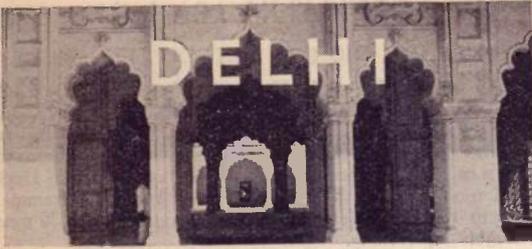
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TRANSMISSION I.

- a.m.**
8-0 Time Signal.
Bhajan. By BRINDER SINGH.
8-10 AIR Orchestra. Bhairvin.
8-20 Saraswati Bai of Bombay.
"Mori chhoro chhoro dagariya." *Khayal Gujri Todi Ektala.*
"Parat nahin chain tum bin piare." *Thumri Bhairvin.*
8-45 Story (Hindustani): "Stories from Indian History."
No. 6. Sher Shah.
By I. H. QURESHI.
9-0 Saraswati Bai of Bombay. Ghazal.
9-10 AIR Orchestra. Bahaduri Todi.
9-20 Brinder Singh. Bhajan.
9-30 Hamid Husain. Dadra.
9-40 Ghulam Sabir. Sarangi. Sarang.
9-50 Brinder Singh. Ghazal.
10-0 Close down.

TRANSMISSION II.

- p.m.**
12-30 Time Signal.
Indian Recorded Music.
INSTRUMENTAL ORCHESTRA. N. 6558.
DRAMA AHLIA.
SHAFIQULLAH KHAN. Instrumental. H. 57.
DRAMA RAM PARTAP.
1-30 Close down.

TRANSMISSION III.

- p.m.**
5-30 Time Signal.
AIR Orchestra. "Jam pila ulfat ka."
5-40 Qawwali. By AIR QAWWALS.
6-0 Nautch Gat.
SABIRI. Sarangi.
MUKERJI. Violin.
SARDAR. Violin.
TUFAIL. Tabla.
6-10 Brinder Singh. Bhajan.
6-20 1st News and Weather Report (Hindustani).
6-30 1st News and Weather Report (English).
6-40 Saraswati Bai of Bombay.
"Lagi re mori nai lagan." *Khayal Kamond Ektala.*
"Nir bharan kaise jaun." *Thumri Tilak Kamod.*
"Kalejwa men hae Rama lag gai chot." *Dadra, Ghazal.*
7-20 AIR Orchestra. Khambawati.
7-30 "For Villagers Only."
8-30 Talk (Hindustani): "Current Events."
By DR. ZAKIR HUSSAIN.
8-45 Saraswati Bai of Bombay.
"Ab na sahan tori bat." *Thumri Khammajh, Ghazal.*
9-15 2nd News and Weather Report (Hindustani).
9-30 Time Signal.
2nd News and Weather Report (English).
9-45 Talk: "Teeming Millions." No. 2.
Lad—How Far it can Support.
By DR. ZAKIR HUSSAIN, Jamia Millia Islamia.
10-0 *A Studio Concert.
EILEEN LEETE - - - - - Soprano.
GERTRUDE TOUSSAINT - - - - - Pianoforte.
A. PINTO - - - - - Cellist.

Monday, 12th October

- p.m.**
EILEEN LEETE.
"Two Songs of Italy."
GERTRUDE TOUSSAINT.
Three Short Sonatas - - - - - Scarlatti, 1685-1854.
A. PINTO.
"Air d'Eglise" - - - - - A. Stradella.
"On Wings of Song" - - - - - Mendelssohn.
EILEEN LEETE.
"Only my Song" - - - - - Lehar.
"Rose of my heart" - - - - - Lohr.
GERTRUDE TOUSSAINT.
"Night in May" - - - - - Palmgren.
"Sing a song of Sixpence" - - - - - L. Livens.
"Berceuse" - - - - - Ilinsky.
A. PINTO.
"Chaconne" - - - - - A. Durand.
11-0 Close down.
*Relayed from our Simla Studio.



VUB 350.9 metres, 855 kc/s.

a.m.
11-30 A Selection of Indian Records.
(Columbia).

- BHAI CHELA.
"Mai to pyar hi pyar."
"Mai Bhai Hogai Lal".
ASHIK HUSSAIN.
"Hmare Man Mohan".
"Bhajle Too Harinam".
R. H. KAPOOR.
"Shikayate Alam".
"Kabajo Mai Nay".
COLUMBIA DRAMATIC PARTY.
Hindi Drama "Premras".
JAGJIVAN AND PARTY.
"Dilno Darwan".
"Vahali Kidhi".
KAMLA AND PARTY.
"Rajni Pati".
"Suchina Swappa".

p.m.
1-0 Available Market Rates.
Lunch Hour Music.

- (Parlaphone Records.)
MAURICE WINNICK AND HIS ORCHESTRA.
"A pretty girl is like a melody".
"You".
"Colleen".
"The Great Ziegfeld".
WILFRID THOMAS.
"Twilight on the Trail".
"Riding the Range in the sky".
THE HENDERSON TWINS.
Medley of Shirley Temple hits.
HARRY ROY ORCHESTRA.
Quickstep "Shine".
Foxtrot "Oh! You sweet thing".
VICTOR SILVESTER AND HIS BALLROOM ORCHESTRA.
Foxtrot "Lost".
"Calling me home".
DINNAH MILLER.
"I'm a fool for loving you".
"Lost by Rhythm, lost my man".
JOE DANIELS AND HIS HOT SHOTS.
"St. Louis Blues".
"Sweet Sue".

- 2-0 Close down.
5-30 Relay from Wellington Cinema.
(By kind permission of the Management).
6-15 Talk (Marathi): "Sensible Mothers' Problems."
By DR. MISS MIRABAI BHAT.
6-30 Gujerati Songs
By HIMATLAL PURSHOTTAM.
With Sarangi, Harmonium and Tabla.
7-15 Shree Bhagwat Geeta Pravachan
By PANDIT LAXMANRAO OGHALE.
7-30 Light Classical Music
By PANDIT HANSRAJ MADAN.
With Sarangi, Harmonium and Tabla.
8-30 Commercial News and News in Hindi.

- p.m.**
9-0 Gazals and Quwalis
By AHMED DILAWAR.
Assisted by The VUB Indian Orchestra.
9-30 Talk (English): "Topics of To-day."
By C. P. G. WADE.
9-45 News in English.
10-0 Ken Mac and his Dance Band.
11-0 Close down.

CALCUTTA



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

- p.m.**
12-36 Time Signal.
SB *Musical Selections from the Studio.
Featuring Vocal and Orchestral Items.
Calcutta Weather Bulletin for Oceancraft and Rivercraft.
1-0 Talk: "Austria" By THE VICE-CONSUL of Austria.
SB
1-20 *Musical Selections from the Studio (Continued)
SB
1-36 Talk: "General Knowledge Day."
By NRIPEN CHATTERJEE.
A Broadcast for School Students.
2-6 *Musical Selections.
2-36 Talk: "Damodar Leela by Lord Krishna."
By RAGHUNATH BHATTACHARYA.
3-6 Time Signal. Close down.
5-6 Time Signal.
Talk: "Stories from actual Village Life."
By DA THAKUR.
5-26 A Classical Programme.
TARAPADA LAHIRI Gambhira.
5-41 GOPAL CH MUKHERJEE Dhrupad, Iman Kalyan.
5-56 MUSHTAQ HUSSAIN Kheyal, Puria.
6-16 ZAMIRUDDIN KHAN Kheyal and Thungri.
6-36 SUNIL BOSE Thungri.
6-51 BENODE GANGULY Thungri.
7-6 Mystery Story By X.
7-21 "An Evening Mujlis."
Organised and prepared by SACHIN DAS.
Supported by the Jantri Sangha Artistes.
JATADHAR PYNE, ANIMA (Badal), INDUBALA.
8-6 Talk: "The New Indian Constitution—Changes in
Provincial Legislatures."
By PROF. NIRMAL BHATTACHARYA.
8-21 The Betar Orchestra, conducted by TARAK NATH DEY
8-41 Commercial News and Weather Report (In Bengali).
SB
8-46 News in Bengali.
SB
9-1 Commercial News and Weather Report (In English).
SB
9-6 Time Signal.
SB News in English.
9-21 *A Studio Programme by Taylor's Gramophone
SB Saloon.
A Recital of the latest "Parlaphone" Records.
10-21 *Dance Music from the Studio.
SB
10-36 Time Signal. Close down.

*Gramophone Records.

All Times are given in Indian Standard Time.



Monday, 12th October

TRANSMISSION 3.

GSD 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.)
GSF 15.14 Mc/s (19.82 m.)

- TRANSMISSION 1.**
GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.)
- p.m.**
12-45 **Big Ben. The BBC Empire Orchestra.***
Frank Mannheimer (Pianoforte).
1-45 **Science Talk.**
No. 1.*
2-0 **Musical Interlude.**
2-5 **Feature Programme.**
2-25 **The News and Announcements.**
2-45 *Close down.*

- TRANSMISSION 2.**
GSD 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.)
- p.m.**
4-30 **Big Ben. Light Programme.***
5-2 **Talk.**
"Policeman's Lot."
5-17 **Haydn Heard's Orchestra.**
5-45 **Variety.**
5-55 **A Studio Concert.**
6-30 **The News and Announcements.**
6-50 **An Organ Recital.**
7-15 *Close down.*



PROF. N. RAO VYAS, THE WELL-KNOWN BOMBAY SINGER WHO IS BROADCASTING FROM DELHI ON OCTOBER 10TH AND 13TH.

- p.m.**
7-30 **Big Ben. Arthur Salisbury and his Orchestra.**
8-0 **The BBC Midland Orchestra.**
9-25 **Feature Programme. "Bula Matari."***
9-45 **A Cinema Organ Recital.**
10-0 **The News and Announcements.**
10-20 **The Hotel Victoria Orchestra.**
10-30 *Close down.*

TRANSMISSION 4.

Three of the following frequencies will be used:
GSG 17.79 Mc/s (16.86 m.), GSO 15.18 Mc/s (19.76 m.),
GSF 15.14 Mc/s (19.82 m.), GSD 11.75 Mc/s (25.53 m.),
GSB 9.51 Mc/s (31.55 m.)

- p.m.**
10-45 **Big Ben. Talk.**
"A Policeman's Lot."*
11-2 **Falkman and his Apache Band.**
11-30 **The News and Announcements.**
11-50 **A Recital**
Of Popular Songs.
a.m.
12-5 **Light Programme.***
12-25 **A Pianoforte Recital.**
Greenwich Time Signal at 12-30 a.m.
12-50 **Geraldo and his Orchestra.**
1-30 **"Spheres of Action."***
2-0 **A Recital.**
By Muriel Brunskill (Contralto) and Anthony Collins (Viola).
2-30 **The News and Announcements.**
2-50 **The BBC Empire Orchestra.**
Lauri Kennedy (Australian Violoncellist).
Greenwich Time Signal at 3-30 a.m.
3-50 **"Tommy Tune's Tours"—No. 1.***
Conducted by Josef Marais and his Troubadours. Music and lyrics by Albert Diggendorf and Josef Marais. Script and production by John Pudney.
4-10 **Envoi.†**
4-15 *Close down.*

* Electrical recording. † Gramophone records.

GERMANY (Berlin)

DJA 31.38, DJQ 19.63, DJN 31.45, DJE 16.89.

- 10-40 a.m. Concert of Light Music. 11-45 a.m. Concert of Light Music (contd.) 12-30 p.m. News and Economic Review in English. 12-45 p.m. To-day in Germany. Sound Pictures. 1-0 p.m. Gasparone. Operetta by Millocker. 2-15 p.m. The Army plays. 2-45 p.m. Sports Review. 3-15 p.m. Children's Hour; 3-30 p.m. Sketch in the Crevasse.
4-30 p.m. Concert of Light Music. 5-30 p.m. News in English. 5-45 p.m. Greetings to our Listeners in the Far East. 5-50 p.m. Concert of Light Music (contd.). 6-45 p.m. Music and Poetry. The gay Muse of German Classic. 7-30 p.m. News and Economic Review in English on DJE, DJQ. 7-45 p.m. To-day in Germany. Sound Pictures. 8-0 p.m. Orchestral Concert. 9-0 p.m. Duets. "If I were a bird." 9-15 p.m. Sports Review. 9-30 p.m. *Close down.*

FRANCE (Radio Colonial)

Wavelength 19.68 m. and/or 25.24 m.

- 11-30 a.m. Relay from P.T.T. Transmitter. 11-50 a.m. Market Prices, Rates of Exchange. 12 noon. Records. 12-10 p.m. Relay from P.T.T. Transmitter.
12-25 p.m. Records. 1-0 p.m. Talk on Events in France. 1-15 p.m. Records. 1-45 p.m. News in French. 2-15 p.m. News in English. 2-30 p.m. *Close down.*
3-25 p.m. Day's Programme. 3-30 p.m. Relay from Radio-Paris—Concert. 4-30 p.m. News in English. 4-45 p.m. Concert-Relayed (contd.). 5-15 p.m. News in French. 5-45 p.m. Concert-Relayed (contd.). 6-30 p.m. Talk on the Fine Arts, by Mr. Dirole. 6-40 p.m. Humour of To-day, by Mr. Dessoudeix. 6-50 p.m. Colonial Market Prices, Rates of Exchange. 7-0 p.m. Concert with Miss Lucienne Astruc, vocalist; Miss Mady Hardy, pianist; Mr. Andre Levy, cellist; Mr. Le Marc Hadour. 8-25 p.m. Rates of Exchange and French Stock (Rentees). 8-30 p.m. *Close down.*
9-45 p.m. News in French, Market Prices, Rates of Exchange. 10-30 p.m. Concert-Relayed. 11-0 p.m. Relay of Radio-Journal of France (French News). 11-20 p.m. Revistas. 11-30 p.m. Concert-Relayed (contd.). 12 midnight. News in English. 12-30 a.m. News in French, Market Prices. 1-0 a.m. Relay. 3-30 a.m. *Close down.*

ITALY (Rome)

Wavelength 25.40 and/or 31.13 Metres.

- 5-13 p.m. Varied programmes. 6-45 p.m. Talk: "Severino Merli da Poggio Recanatico Gold Medal." 7-30 p.m. News in English. Symphonic Concert. Talk: "Organization of Fascist youth", by D. S. Piccoli. Instrumental and vocal concert. Maria Zilia, soprano. Vera Gobbi Belcredi, pianist. Mario Costantini, baritone. 10-0 p.m. Harmonica concert. Vocal concert. Letizia De Feo, soprano. Berenice Sibereri, mezzo soprano. 11-10 p.m. Concert of Arabian Music.

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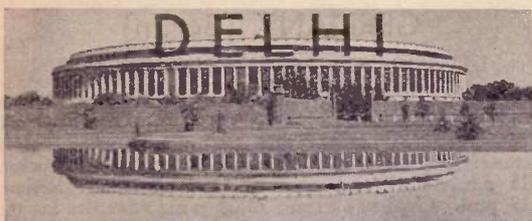
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TRANSMISSION I.

- a.m.
8-0 *Time Signal.*
Naat by AIR ARTISTS. (A chorus).
8-10 AIR Orchestra. *Asawari.*
8-20 Gayanacharia Pandit Narayan Rao Vyas of Bombay. *Classical Music.*
8-45 Talk (*Hindustani*): "Foundations of Indian Music" No. 7. By S. S. NIAZI.
9-0 Gayanacharya Pandit Narayan Rao Vyas of Bombay *Classical Music.*
10-0 *Close down.*

TRANSMISSION II.

- p.m.
12-30 *Time Signal.*
Indian Recorded Music. (*Naat and Qawwali*).
1-30 *Time Signal.*
"Well-Known Artists."
(A Recorded Programme).
WILHELM BACKHAUS. (H.M.V. DB-926.)
Waltz "Naila." *Dohnanyi.*
"Libestraume" No. 3. *Liszt.*
NORAH BLANEY, AND GWEN FARRAR (H.M.V.-8321.)
"Old Favourites."
RUDY STARITA. (*Xylophone Solo*). (Columbia DB-1435.)
"Over the Stuck."
MAREK WEBER AND HIS ORCHESTRA (B-8477.)
"Song of Paradise."
"Columbine's Rendezvous"
YVONNE PRINTEMPS AND NOEL COWARD (DA-1363.)
"I'll follow my Secret Heart." Parts 1 and 2.
RICHARD TAUBER (Parlophone RO-20138.)
"The Song is Done."
"Goodbye."
BRONISLAW HUBERMAN (Columbia LB-25.)
"Valse" Op. 70 No. 1.
"Moment Musical."
SYDNEY GUSTARD. (*Organ Solo*) (H.M.V. C-2650.)
"Drury Lane Memories."
GRACIE FIELDS (Regal MR-2011.)
"That must have been our Walter."
"River stay way from my Door."
2-30 *Close down.*

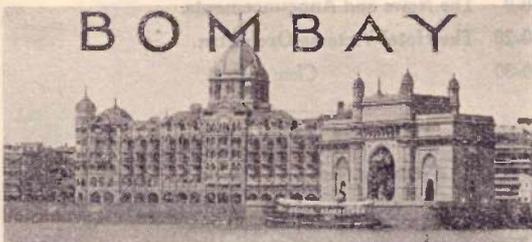
TRANSMISSION III.

Shab-i-Miraj Sharif.

- p.m.
5-30 *Time Signal.*
AIR Orchestra. "Allah Hu."
5-40 "Who nabiyon men Rahmat laqab pane wala." (Hali.)
(A chorus by AIR Artists.)
5-55 P. S. Mukerji. *Sarod—Bhim Plasi.*
6-0 Mahboob.
"Woh shama ujala jis ne kiya."
6-10 Afzal.
"Parde ki bat kiya hai wuhi ek nur tha."
6-20 1st News and Weather Report (*Hindustani*).
6-30 1st News and Weather Report (*English*).
6-40 AIR Orchestra. *Naghma-i-Wajd.*
6-50 Qawwali by AIR QAWWALS.
7-0 AIR Orchestra. *Shab-i-Miraj—(Hafeez Jullundhari).*
7-15 Talk (*Hindustani*): "The Holy Prophet."
By MOLVI SYED MOHD.
"For Villagers Only."
8-30 Interview (*Hindustani*): "The Workers of India" No. 7.
The Chaprassi.
By SHAUKAT THANAWI.
8-45 Natts By AIR ARTISTS.
9-5 AIR Orchestra. *Rasul-i-Arabi.*
9-15 2nd News and Weather Report (*Hindustani*).
9-30 *Time Signal.*
2nd News and Weather Report (*English*).

Tuesday, 13th October

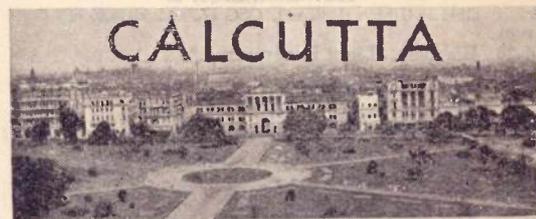
- p.m.
10-0 *Peter Mendoza and his Orchestra.
Overture "William Tell" - Rossini.
Grande Fantasia "Madame Butterfly" - Puccini.
Barcarolle "Tales of Hoffmann" - Offenbach.
Selection "New Sullivan" - Arr. Godfrey.
Serenade "Amina" - Lincke.
11-0 *Close down.*
**Relayed from our Simla Studio.*



VUB 350.9 metres, 855 kc/s. 31.36 metres, 9565 kc/s.

- a.m.
11-30 Violin Solos
By SHIRDHAR PARSEKAR.
11-45 Light Music
By SUNDRABAI.
With *Sarangi, Harmonium and Tabla.*
p.m.
12-45 Mandolin Solos
By V. Y. CHOWDHARI.
1-0 Available Market Rates.
Lunch Hour Selections.
(*Brunswick and Decca Records.*)
S. GRAPPELLO AND HIS HOT FOUR.
Foxtrot "Chasing Shadows"
"Some of these days"
THE BETTY BOOP GIRL.
"Oh! My Goodness"
"You've gotta eat your Spinach baby"
LEN GREEN. (*Piano Solos*).
"Melodies of the month No. 15"
THE RAMBLERS ORCHESTRA.
Foxtrot "Goody Goody"
"Swing Mr. Charlie"
TONY LOWRY. (*Piano Solos*).
"Japanese Lanterns"
"Show Fairies"
THE BOSWELL SISTERS.
"Let yourself go"
"I'm putting all my eggs in one basket"
BRAIN LAWRENCE AND HIS ORCHESTRA.
Foxtrot "Alexander's Ragtime band"
"Broken Doll"
AMBROSE AND HIS ORCHESTRA.
Rumba "Cuban Pete"
Foxtrot "Lady from Mayfair"
2-0 Relay from the Rotary Club. (*If any*).
2-30 *Close down.*
6-0 Relay from Capitol Cinema.
(*By the kind permission of the Management*).
6-30 A Studio Concert.
WINIFRED AND WILLIAM MACDONALD, *Mandolin and Guitar.*
REGINALD SUTHERLAND MOORE, *Songs and Harmonica Solos.*
WINIFRED AND WILLIAM MACDONALD.
"La Paloma" - Sebastian Yradier.
"O Solo Mio" - E di Capua.
"Santa Lucia" - Iroing Bibo.
"Red Sails in the Sunset"
REGINALD SUTHERLAND MOORE, (*Songs*).
"Riding the range in the sky"
"Give me back my boots and saddle"
Carlton Samuels.
WINIFRED AND WILLIAM MACDONALD.
"For the flag march"
"Carioca Green Eyes Rumba"
"Londolola"
"Cheek to Cheek"
REGINALD SUTHERLAND MOORE, *Harmonica Solos.*
Medley. "Moonlight"
Rumba. "A merry mixup"
7-30 Talk (*English*): "Cooking without Tears."
Buns and Biscuits, Snacks and Sandwiches.
By HILDA FLANDERS.

- p.m.
7-49 A Popular Concert.
By MENDOZA AND HIS ORCHESTRA.
Overture "Poet and Peasant" - Suppe.
Valse "Hommage Aux Dames" - Waldteufel.
Dance "Hungarian Dance" - Brahms.
Fantasia "Gioconda" - Ponchielli.
8-30 Commercial News and News in Hindi.
9-0 Mendoza and his Orchestra (*Contd.*).
Intermezzo "Capriccio" - Bayer.
Paso doble "Rosa, Rosa" - Salter.
Selection "No, No, Nanette" - Youmans.
Serenade "Casanova" - Becca.
March "Marche Slav" - Lotter.
Selections especially arranged for two pianos by the popular piano duetists, Manoell and Polycarp.
9-30 Talk (*English*): "A Word to parents from a Teacher."
By MISS G. J. BAHADURJI.
9-45 News in English.
10-0 Master Nisar (Film star).
SB Will give songs from Indian Films.
Shirin Farhad; Laila Majnu,
Afzal-Hurre-Haram,
and Johre Shamshir.
11-0 *Close down.*



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

- p.m.
12-36 *Time Signal.*
SB
The Grand Hotel Orchestra.
Relayed from the Palm Court of the Grand Hotel.
(Calcutta Weather Bulletin for Oceancraft and Rivercraft.)
1-36 Talk: "Medical education for women in Bengal."
By SISTER SARASWATI.
2-6 *Musical Selections.
2-36 Talk: "Bengali women writers of the past."
By BISHNU SARMA.
3-6 *Time Signal. Close down.*
5-6 *Time Signal.*
Letters and Riddles.
Talk: "The Sugarcane." By MEJDIDI.
Questions and Answers.
Talk: "Bratacharis and their aims in life."
6-6 Bhatiali Song By SAILESH DATTA GUPTA.
6-21 Modern Bengali Song By NATAI GHATAK.
6-36 Music Training for Beginners By P. K. MULLICK.
7-6 Tagore Song By KAMALA ROY.
Selected Modern Bengali Songs.
7-21 By SHAMALI RAKSHIT.
7-36 By PARUL SEN.
7-51 By AMIYA SIRCAR.
8-6 Talk: "Anatomy of Melodies—Khamaj Thatt and its divisions."
8-21 Seetar Solo. Dhimey Gat.
By BIMALA KANTA ROY CHOWDHURY.
8-41 Commercial News and Weather Report (*In Bengali*).
SB
8-46 News in Bengali.
SB
9-1 Commercial News and Weather Report (*In English*).
SB
9-6 *Time Signal.*
SB News in English.
9-21 Talk: "Literary Review." By HUMPHREY HOUSE.
SB
9-36 "The Air-Do-Wells."
SB A Radio Concert Party.
(A BBC Recorded Programme).
10-36 *Time Signal. Close down.*



Tuesday, 13th October

TRANSMISSION 1.

GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.)

- p.m.
- 12-45 **Big Ben. A Recital**
Of Beethoven's Sonatas.
- 1-13 **Talk.**
"Policeman's Lot."*
- 1-28 **A Programme of Waltzes.**
- 1-35 **Light Programme.***
- 2-25 **The News and Announcements.**
- 2-45 *Close down.*

TRANSMISSION 2.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.)

- p.m.
- 4-30 **Big Ben. "Empire Magazine."**
- 5-2 **An Orchestra Concert.**
- 6-0 **The BBC Orchestra.***
Directed by Henry Hall.
- 6-30 **The News and Announcements.**
- 6-50 **"Tommy Tune's Tours."—No. 1.***
- 7-10 **Envoi.**
- 7-15 *Close down.*

TRANSMISSION 3.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.)
GSF 15.14 Mc/s (19.82 m.)

- p.m.
- 7-30 **Big Ben. Talk: "Imperial Affairs."**
- 7-46 **A Pianoforte Recital.**
- 8-15 **"Empire Bookshelf."**
- 8-30 **The Torquay Municipal Orchestra.**

- p.m.
- 9-15 **Dance Music.**
- 10-0 **The News and Announcements.**
- 10-20 **Light Music.**
- 10-30 *Close down.*

TRANSMISSION 4.

Three of the following frequencies will be used:
GSG 17.79 Mc/s (16.86 m.), GSO 15.18 Mc/s (19.76 m.),
GSF 15.14 Mc/s (19.82 m.), GSD 11.75 Mc/s (25.53 m.),
GSB 9.51 Mc/s (31.55 m.)

- p.m.
- 10-45 **Big Ben. "Empire Magazine."***
- 11-27 **A Song Recital.**
- 11-30 **The News and Announcements.**
- 11-50 **Talk: "Imperial Affairs."***
- a.m.
- 12-5 **The Orpheus Trio.**
Greenwich Time Signal at 12-30 a.m.
- 12-30 **A Cinema Organ Recital.**
- 1-0 **The BBC Dance Orchestra.**
Directed by Henry Hall.
- 1-30 **A Sonata Recital.**
By Adolph Busch (Violin) and Rudolph Serkin (Pianoforte).
- 2-30 **The News and Announcements.**
- 2-50 **Science Talk.**
- 3-10 **Variety.***
Greenwich Time Signal at 3-30 a.m.
- 3-30 **The BBC Dance Orchestra.***
Directed by Henry Hall.
- 3-57 **Talk: Imperial Affairs.****
- 4-15 *Close down.*

* Electrical recording.

GERMANY (Berlin)

DJA 31.38, DJQ 19.63, DJN 31.45, DJE 16.89.
10-40 a.m. Light Music. 11-45 a.m. Light Music (contd.)
12-30 p.m. News and Economic Review in English. 12-45
p.m. To-day in Germany. Sound Pictures. 1-0 p.m.
Little Evening Entertainment. 1-45 p.m. The German

Minstrel comes. 2-30 p.m. Solo Concert. 3-15 p.m.
Little German Reader. 3-30 p.m. Hitler Youth Programme.
4-30 p.m. Concert of Light Music. 5-30 p.m. News in
English. 5-50 p.m. Concert of Light Music (contd.). 6-45
p.m. String Quartette by Bruckner. 7-15 p.m. A little
German Reader. 7-30 p.m. News and Economic Review in
English on DJE, DJQ. 7-45 p.m. To-day in Germany.
Sound Pictures. 8-0 p.m. Gathering of the vine. 9-0 p.m.
German Dances for Fiddle and Piano. 9-15 p.m. Cabaret on
records. 9-30 p.m. *Close down.*

FRANCE (Radio Colonial)

Wavelength 19.68 m. and/or 25.24 m.

11-30 a.m. Relay from P.T.T. Transmitter. 11-50 a.m.
Market Prices, Rates of Exchange. 12 noon. Records.
12-10 p.m. Relay from P.T.T. Transmitter.
12-25 p.m. Records. 1-0 p.m. Talk on Events in France.
1-15 p.m. Records. 1-45 p.m. News in French. 2-15 p.m.
News in English. 2-30 p.m. *Close down.*
3-25 p.m. Day's Programme. 3-30 p.m. Relay from
Radio-Paris—Concert. 4-30 p.m. News in English. 4-45
p.m. Concert-Relayed (contd.). 5-15 p.m. News in
French. 5-45 p.m. Concert-Relayed (contd.). 6-30 p.m.
Maritime Talk, by Mr. Bretagne. 6-40 p.m. Social Topics,
by Mr. Rives. 6-50 p.m. Colonial Market Prices, Rates
of Exchange. 7-0 p.m. Theatrical Broadcast. 8-25 p.m.
Rates of Exchange and French Stock (Rentés).
9-45 p.m. News in French, Market Prices, Rates of Ex-
change. 10-30 p.m. Concert-Relayed. 11-0 p.m. Relay of
Radio-Journal of France (French News). 11-20 p.m. Judicial
Talk, by Me. Henri Delmont. 11-30 p.m. Concert-Relayed
(contd.). 12 midnight. News in English. 12-30 a.m.
News in French, Market Prices. 1-0 a.m. Relay: Lyric
Federal Broadcast. 3-30 a.m. *Close down.*

ITALY (Rome)

Wavelength 25.40 and/or 31.13 Metres.

5-13 p.m. Varied programmes. 6-45 p.m. "Balilla Day"
Concert. Talk "A page from the great book of nature" 7-30
p.m. News in English. Instrumental and vocal concert.
Solmi, violincellist. Quaranta Augusta, soprano. Matilde Capponi
mezzo soprano. Nino Russo, tenor. 10-0 p.m. Symphonic
concert. Instrumental and vocal concert: Augusta Quaranta
soprano. Muzio Giovagnoli, tenor. Cetra orchestra. 11-10
p.m. Concert of Arabian music.

IT PAYS TO BUY THE BEST!

RADIO AG. S. LOEWE

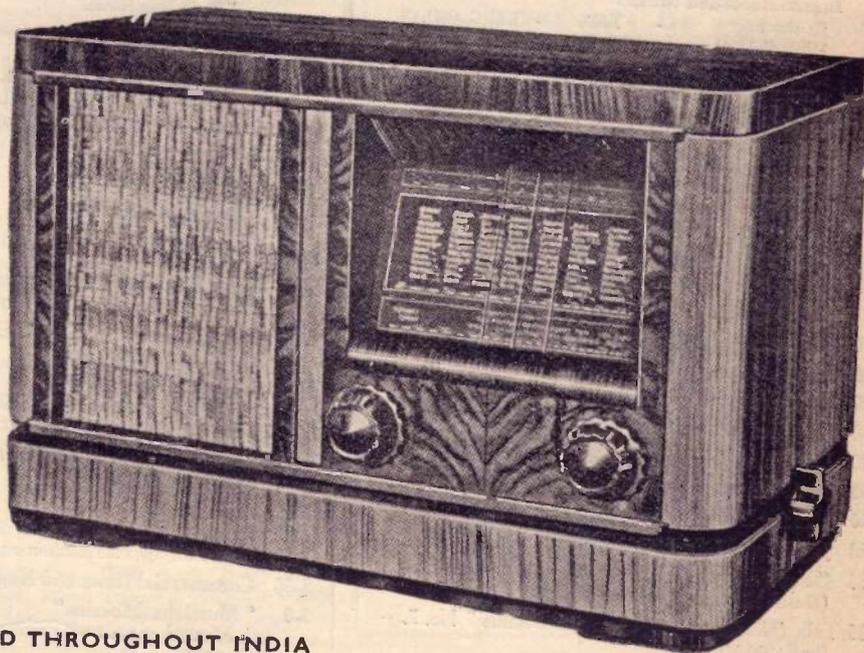
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DELHI

VUD 340.13 metres, 882 kc/s.

TRANSMISSION I.

- a.m.
8-0 *Time Signal.*
Shrimad Bhagwad Geeta.
8-15 **AIR Orchestra.** "Bhaj le Har ko".
8-25 **Jugli Bai.** *Thumri, Bhairvin.*
8-35 **Hamid Husain.** *Thumri Jonpuri.*
8-45 **Talk (Hindustani):** "Outline History of the World" No. 7.
By PROFESSOR MOHAMMAD MUJEEB.
9-0 **Dance Tunes.**
MALANG. *Qanun.*
SARDAR. *Violin.*
MUKERJI. *Violin.*
SABIRI. *Sarangi.*
TUFAIL. *Tabla.*
9-15 **Mahboob.** *Thumri Lalit.*
9-25 **Jugli Bai.**
"Aql se hasil hui kia kia pashemani mujhe.
I-hq jab dene laga talim-i-nadani mujhe". (*Hasrat.*)
9-35 **Hamid Husain.**
"Shokhiyan kaihti hain ham hain us ki chitwan ki taraf
Chitwanen kaihti hain ham hain chashm-i-purfan ki taraf". (*Amir Minai.*)
9-45 **Jugli Bai.** *Ghazal.*
9-55 **P. S. Mukerji.** *Sarod—Sarang.*
10-0 *Close down.*

TRANSMISSION II.

- p.m.
12-30 *Time Signal.*
Indian Recorded Music.
JAL MERCHANT - Talkie (J. N. G.-848).
SAIGAL AND UMA - " (H-11340).
P. SANYAL AND UMA - " (H-164).
K. C. DAY - " (N-654).
RAJKUMARI, SAIGAL AND P. SANYAL - " (H-11332 h.).
SHANTA APTE - " (N-5811).
SAIGAL - " (H-325 h.).
K. C. DAY - " (N-6267).
UMA AND P. SANYAL - " (H-11331 h.).
GOURI SHANKAR - Instrumental (H-48).
1-30 *Close down.*

TRANSMISSION III.

- 5-30 *Time Signal*
AIR Orchestra. *Bichhora.*
5-40 **Jugli Bai.** *Khayal—Thumri—Ghazal.*
6-10 **Afzal Husain.** *Thumri Kalia.*
6-20 **1st News and Weather Report (Hindustani).**
6-30 **1st News and Weather Report (English).**
6-40 **Jugli Bai.** *Ghazal.*
6-50 **A. A. Khan.** *Khayal Nat Chhaya. Khayal Shankra.*
7-10 **Malang Khan.** *Sitar—Darbari Kandra.*
7-20 **Jugli Bai.** *Ghazal.*
7-30 **"For Villagers Only".**
(Delhi Market Rates at 8 p.m.)
8-30 **Talk (Hindustani):** "Elements of Radio" No. 7.
By RADIO-MINDED.
8-45 **AIR Orchestra.** (Sweet Glances.) "Mithi Najariya".
8-57 **Jugli Bai.** *Ghazal.*
9-6 **Afzal Husain.** *Thumri Talang.*
9-15 **2nd News and Weather Report (Hindustani).**
Time Signal.
9-30 **2nd News and Weather Report (English).**
9-45 **Talk (English):** "The Village as I see it." No. 5.
By ONILA CHATTERJI.
"A series of talks by people who, from different points of view and for different reasons, have interested themselves in the Indian village."

Wednesday, 14th October

- p.m.
10-0 **"Beaten at the Post."**
(A BBC Recorded Programme.)
A Musical Burlesque by the
MELLISH BROTHERS.
Produced by MARTYN C. WEBSTER.
11-0 *Close down.*



VUB 350.9 metres, 855 kc/s.

a.m. 11-30 A Selection of Indian Music. (H.M.V.)

- GRAMOPHONE CONCERT PARTY.
Piano, Clarinet, Violin Bells.
BABALAL.
"Prabhaji Apna Gun Gane Wale."
"He Prabhu Teri Nirali Shan."
INAYET HUSSEIN.
"Payal Mori Baji Re." *Bhairavi Thumri.*
"Varire Salumo Savaria Re." *Khamaj.*
GANDHARI HANGAL.
"Manaa Dhyas Lage."
"Kusum Chap Kandhari Kari."
LALOO BHAI AND RAJKUMARI.
"Mafatni Missus."
"Lekhako Jamano."
SUDHAKAR AND SHAHI.
"Vichar Karita Vidhi Hase."
"Koi Rasik Najarana."
MOHD. KHALIL QUAWAL.
"Aae Abhanwa Dwar."
"Piya Bina Jiya Hai Udas."
MISS MUNNI.
"Kaye Din Ki Hai Kan Chan."
"Bhaje Nam Harika."

p.m. 1-0 Available Market Rates. Jules Craen and his Quintet. Relayed from Taj Mahal Hotel. (By kind permission of the Management.)

- "Pour Une Rose" - Waldteufel.
"Litanie D'Amour" - Weiller.
"Tosca" - Puccini.
"Pensee D'Automne" - Massenet.
"Charmante Aventure" - Bosc.
"Minuet" - Boccherini.

- 2-0 *Close down.*
5-30 **Relay from Krishna Cinema.**
(By kind permission of the Management.)
6-15 **Talk (Marathi):** "The Value of Literature in Life."
By V. N. NAIK.
6-30 **A Variety Programme**
By the Students of the School of Indian Music.
Conducted by PROF. B. R. DEODHAR.
7-15 **Talk (Gujerati):** "Stories from Ramayan."
By KAVI LALITJI.
7-35 **Light Music**
By SHANLA MAZGAOKAR
With *Sarangi, Harmonium and Tabla.*
8-30 **Commercial News and News in Hindi.**
9-0 **"Murlicha Moksha."**
A Marathi one act play written and produced by P. G. GUPTA.
9-30 **Talk (English):** "Man versus Microbe." No. 3.
By LT.-COL. S. S. SOKHEY, I.M.S., J.P.
9-45 **News in English.**
10-0 **"Zoo 'Oliday."**
A light entertainment.
By ELSIE AND DORIS WATERS AND ASHLEY STERNE.
The Book.
Lyrics by ELSIE WATERS.
Music by ASHLEY STERNE.
Produced by CHARLES BREWER.

Two very familiar figures in English broadcasting and on music-halls are Elsie and Doris Waters, in the characters of "Gert" and "Daisy". They have collaborated with Ashley Sterne, the English humorist, in a light entertainment—"Gert and Daisy" take a Zoo "Oliday".
(A BBC Recorded Programme.)

p.m.
11-0

Close down.



CALCUTTA

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

- p.m.
12-36 *Time Signal.*
SB * **Excerpts from Gilbert and Sullivan.**
1-0 **Talk (English):** "Wealth and Society."
SB By PROF. JOHN KELLAS of the Scottish Church College, Calcutta.
1-20 * **Light Orchestral Selections from the Studio.**
SB Calcutta Weather Bulletin for Oceancraft and Rivercraft.
1-36 **Talk (Bengali):** "Kamini Roy and her Poems."
By KAMAL BOSE.
2-6 * **Musical Selections.**
2-36 **Talk (Bengali):** "Sri Krishna at Mathura."
By AMULYA KRISHNA BHATTACHARYA.
3-6 *Time Signal. Close down.*
5-6 *Time Signal.*
Islam Sangit By ABBASUDDIN AHMED.
5-21 **Dialogue:** "A Quarrel over a Coconut Tree."
By TWO VILLAGERS.
5-36 **Modern Bengali Song** By SHIBABRATA BOSE.
5-51 **Bengali Thungri** By SUDHIR BANERJEE.
6-6 **Classical Modern Song** By BIBHUTI DATTA.
Listeners' Delight (Bengali Songs).
6-26 By KRISHNA CHANDRA DEY.
6-46 By KAMALABALA.
7-6 **"Intruder."** (An Hour of Humour).
Written and Produced by BANIKUMAR.
8-6 **Talk (Bengali):** "Believe it or not."
By CHITRA GUPTA.
8-21 **Kheyal Song.** By BHISHMADEV CHATTERJEE.
8-41 **Commercial News and Weather Report (In Bengali).**
SB
8-46 **News in Bengali.**
SB
9-1 **Commercial News and Weather Report (In English).**
SB
9-6 *Time Signal.*
SB **News in English.**
9-21 **The Aerial Players present:**
SB **"The Nutcracker Suite."** By ELIOT CRAWSHAW WILLIAMS.
Characters:
ROSALIE. A charming young woman of about 26.
MAX. A good-looking man of 30.
NICOLAS. Rosalie's husband. (A handsome but rather grim man of 40).
MARIE. A young servant.
BATHAZAR. An old and dumb manservant.
SCENE I.
Rosalie's Boudoir-Sitting Room in her Husband's Chateau.
SCENE II.
A Sitting Room in the Hills.
It is a curious room as, although daintily furnished, all the furniture and woodwork are of the most fragile description. There are two doors, and a window across which is a latticework of iron bars.
10-6 **"The Aloha Boys."**
SB In Hawaiian Airs and Melodies. (Vocal and Instrumental).
10-36 *Time Signal. Close down.*
* Gramophone Records.



TRANSMISSION 1.

GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.)

- p.m.
- 12-45 **Big Ben. Chamber Music.**
- 1-30 **Talk: "Imperial Affairs."***
- 1-45 **Dance Music.**
- 1-55 **"Empire Magazine."***
- 2-25 **The News and Announcements.**
- 2-45 *Close down.*

TRANSMISSION 2.

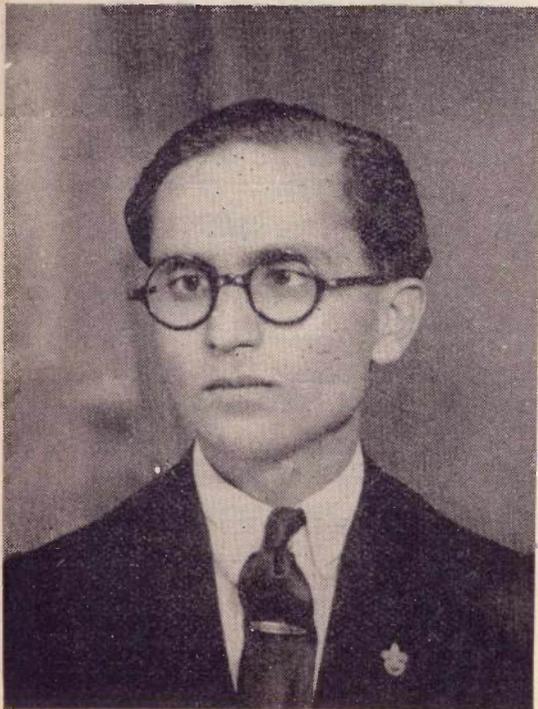
GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.)

- p.m.
- 4-30 **Big Ben. A Cinema Organ Recital.**
- 4-45 **Talk: "Imperial Affairs."***
- 5-0 **Charles Manning and his Orchestra**
From the Granada, Walthamstow.
- 5-30 **"Isn't Nature Wonderful?"***
- 6-0 **A Light Concert**
From the Studio.
- 6-30 **The News and Announcements.**
- 6-50 **The Birmingham Hippodrome Orchestra.**
- 7-15 *Close down.*

TRANSMISSION 3.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.)
GSF 15.14 Mc/s (19.82 m.)

- p.m.
- 7-30 **Big Ben. The BBC Welsh Orchestra.**
- 8-30 **Talk:**
"Policeman's Lot."*
- 8-45 **A Song Recital.**
- 9-0 **The John MacArthur Quintet.**
- 9-30 **"Round and About."**
- 9-40 **Feature Programme.***



HERE IS B. S. RAWAT, ONE OF DELHI'S POPULAR BROADCASTERS.

Wednesday, 14th October

- p.m.
- 10-0 **The News and Announcements.**
- 10-20 **A Recital of Elgar's Music.**
- 10-30 *Close down.*

TRANSMISSION 4.

Three of the following frequencies will be used:
GSG 17.79 Mc/s (16.86 m.), GSO 15.18 Mc/s (19.76 m.),
GSF 15.14 Mc/s (19.82 m.), GSD 11.75 Mc/s (25.53 m.),
GSB 9.51 Mc/s (31.55 m.)

- p.m.
- 10-45 **Big Ben. Talk: "Food for Thought."**
- 11-17 **Dance Music.**
- 11-30 **The News and Announcements.**
- 11-50 **The BBC Scottish Orchestra.**
Greenwich Time Signal at 12-30 a.m.

- a.m.
- 12-30 **"Isn't Nature Wonderful?"**
A comedy in one act.

- 1-0 **The BBC Military Band.**
The B.B.C. Chorus. Joseph Farrington (Bass-Baritone).
- 1-45 **Fred Hartley and his Novelty Quintet.***
- 2-30 **The News and Announcements.**
- 2-50 **"Empire Magazine."***
- 3-20 **A Song Recital.**
Greenwich Time Signal at 3-30 a.m.

- 3-35 **"Soft Lights and Sweet Music."**
- 3-55 **Talk.**
A Policeman's Lot.**

- 4-10 **Envoi.†**
- 4-15 *Close down.*

* Electrical recording. † Gramophone records.

GERMANY (Berlin)

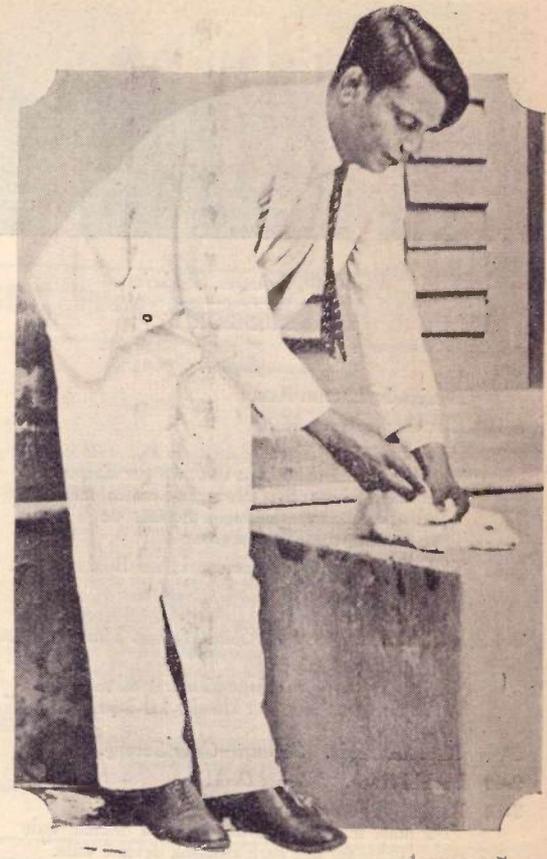
DJA 31.38, DJQ 19.63, DJN 31.45, DJE 16.89.

10-40 a.m. Musical Variety Hour. 11-45 a.m. Musical Variety Hour (contd.) 12-25 p.m. Greetings to our listeners. 12-30 p.m. News and Economic Review in English. 12-45 p.m. To-day in Germany. Sound Pictures. 1-0 p.m. Harvest of the Grapes. 2-0 p.m. Listeners and station broadcast simultaneously. 2-15 p.m. New German Light Music. 3-15 p.m. Women's Hour. 3-30 p.m. Cabaret on records. 4-30 p.m. Concert of Light Music. 5-30 p.m. News in English. 5-45 p.m. Greetings to our Listeners in India. 5-50 p.m. Concert of Light Music (contd.). 6-45 p.m. The German Minstrel comes! 7-30 p.m. News and Economic Review in English on DJE, DJQ. 7-45 p.m. To-day in Germany. Sound Pictures. 8-0 p.m. Topical Talk. 8-15 p.m. Works for Chamber Orchestra. 9-30 p.m. *Close down.*

FRANCE (Radio Colonial)

Wavelength 19.68 m. and/or 25.24 m.

11-30 a.m. Relay from P.T.T. Transmitter. 11-50 a.m. Market Prices, Rates of Exchange. 12 noon. Records. 12-10 p.m. Relay from P.T.T. Transmitter. 12-25 p.m. Records. 1-0 p.m. Talk on Events in France. 1-15 p.m. Records. 1-45 p.m. News in French. 2-15 p.m. News in English. 2-30 p.m. *Close down.* 3-25 p.m. Day's Programme. 3-30 p.m. Relay from Radio-Paris—Concert. 4-30 p.m. News in English. 4-45 p.m. Concert-Relayed (contd.). 5-15 p.m. News in French. 5-45 p.m. Concert-Relayed (contd.). 6-30 p.m. Literary Talk, by Mr. Francois de Teramond. 6-40 p.m. Economic and Social Talk, by Mr. Oualid. 6-50 p.m. Colonial Market Prices, Rates of Exchange. 7-0 p.m. Concert conducted by Mr. Henri Tomasi, with Mrs. Lucette Truc-Descaves, pianist. 8-25 p.m. Rates of Exchange and French Stock (Rentees). 8-30 p.m. *Close down.* 9-45 p.m. News in French and Market Prices, Rates of Exchange. 10-30 p.m. Concert-Relayed. 11-0 p.m. Relay of Radio-Journal of France (French News). 11-20 p.m. Cronica Literaria, by Mr. Francois de Teramond. 11-30 p.m. Concert-Relayed (contd.). 12 midnight. News in English. 12-30 a.m. News in French, Market Prices. 1-0 a.m. Relay. 3-30 a.m. *Close down.*



HE SIMPLY LOVES SNAKES!
TUNE IN TO DR. R. C. BHATTACHARYA'S TALK ON SNAKES FROM CALCUTTA ON OCT. 10TH.

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CHICAGO RADIO
129, Esplanade Road, Post Box 459,
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ITALY (Rome)

Wavelength 25.40 and/or 31.13 Metres.

5-13 p.m. Varied programmes. 6-45 p.m. Concert. Talk "Gregory XIII". 7-30 p.m. News in English. Concert by the Italian trio, classical music. Talk. "Recent development of the novel in Italy." Instrumental and vocal concert. Maria Baratta, soprano. Piera Caporali, pianist. 10-0 p.m. Concert of wind instruments. Vocal concert. Buselli Pinti, soprano. Guglielmo Bandini, bass. A talk by Massimo Felici Ridolfi. 11-10 p.m. Arabian music.

All Times are given in Indian Standard Time.



VUD 340.13 metres, 882 kc/s.

TRANSMISSION I.

- a.m.**
8-0 Time Signal.
Bhajan by LACHHI RAM.
8-10 AIR Orchestra. *Motki.*
8-20 Benazir Bai of Jaipur.
 "Farq hi kuchh nahin raha naz men aur niaz men
 Kaon sharik-i-raz tha jalwa-gah-i-majaz men."
 "Yad-i-Khuda men zindagi-i-mustaar de
 Thori si raih gai hai ise bhi guzar de."
8-45 Talk (Hindustani): "Famous Hindi Books." No. 4.
 Rani Kaitki.
 By MOHAN SWAROOP.
9-0 Lachhi Ram. *Khayal Goud Malhar. Thumri Bilawal.*
9-20 Benazir Bai of Jaipur.
 "Sadagi par us ki mar jane ki hasrat dil men hai
 Bas nahin chalta keh phir khanjar kaf-i-qatil me hai."
 (Ghalib.)
9-30 Ghulam Sabir. *Sarangi—Gaur Sarang.*
9-40 Lachhi Ram. *Khayal Deshkar.*
9-50 Benazir Bai of Jaipur.
 "Na hona mutmain nairang-i-duniya dekhne wale
 Abhi kuchh aur age barh tamasha dekhne wale."
 Close down.
10-0

TRANSMISSION II.

- p.m.**
12-30 Time Signal.
Indian Recorded Music.
- | | |
|-----------------------|--------|
| ABDUL KARIM KHAN | Vocal. |
| JANKI BAI | Vocal. |
| MOHD RAFIQ | Vocal. |
| NARAIN RAO VYAS | Vocal. |
| FAIZ AGHA | Vocal. |
| SANTOSH MASTER | Vocal. |
| AKHTARI BAI FAIZABADI | Vocal. |
| BANDE HASAN | Vocal. |
| SHANTA KUMARI | Vocal. |
- 1-30** Time Signal.
"Studio Assortment."
 (A Recorded Programme.)
 DAJOS BELA AND HIS ORCHESTRA (Odeon AA-212026).
 Overture. "Die Fledermaus." Parts 1 and 2.
 PAUL ROBESON MEDLEY. Parts 1 and 2. (H.M.V. C-2621).
 ANDRE CHARLOT, NORAH BLANEY, GWEN FARRAR, AND EDWARD
 COOPER (H.M.V.-2749).
 "Atmospherics."
 HERMAN FINCK AND HIS ORCHESTRA (Columbia DX-48).
 "Old and New."
 BBC DANCE ORCHESTRA (DX-377).
 "Noel Coward Medley."
 LIGHT OPERA COMPANY (H.M.V. C-2605).
 "The Bohemian Girl." Vocal Gems.
 RAUCIZ AND LANDAUER. (Piano Duettists) (FB-1389).
 "Austria." Hungary.
 ERNEST JONES. (Banjo Solo) (DB-236).
 "Joy Dance."
 "La Vivandiere."
2-30 Close down.

TRANSMISSION III.

- p.m.**
5-30 Time Signal.
AIR Orchestra. Hindol.
5-40 Mahboob. *Qawwali.*
5-55 P. S. Mukerji. *Sarod—Kafi.*
6-0 Lachhi Ram. *Khayal Marwar. Thumri Shudh
 Kaliyan.*
6-20 1st News and Weather Report (Hindustani).
6-30 1st News and Weather Report (English).
6-40 Benazir Bai of Jaipur.
 "Tori re suratiya more man bhai." *Thumri Khammaj.*
 "Beg baras re." *Thumri Desh.*
7-0 Lachhi Ram. *Ghazal.*

Thursday, 15th October

- p.m.**
7-10 Benazir Bai of Jaipur.
 "Ajab alam sa dil par chha raha hai
 Hasin jaise koi sharma raha hai." (Jigar.)
7-20 Lachhi Ram. *Bhajan.*
7-30 "For Villagers Only."
 (Delhi Market Rates at 8 p.m.)
8-30 Talk (Hindustani): "Jungle Book." No. 7.
 The Wolf.
 By SAHIBZADA SAJJID ALI KHAN.
8-45 Play (Hindustani): "Bigrey Dil."
 By SAHIBZADA MOHAMMAD UMAR.
 Performed by AIR Artists.
9-15 2nd News and Weather Report (Hindustani.)
9-30 Time Signal.
2nd News and Weather Report (English.)
9-45 Talk (English): "The Way of the World." No. 7.
 Current events in Europe.
 By DR. PERCIVAL SPEAR.
10-0 A Variety Concert by The Albion Concert Party.
 Arranged and directed by THELMA E. BARRON.
 LEONORA MICHAEL, PHYLLIS INWOOD, IRMA STAYNOR.
 Sopranos.
 ETHEL GATELEY AND NORA NICHOLSON. *Contraltos.*
 C. KELLY, R. INCE AND H. MOSE. *Tenors.*
 H. PHILIPPS AND J. GEORGE. *Bass.*
 THE COMPANY.
 Opening Chorus: "Hullo Everybody"
 C. KELLY, (Song).
 "Desert Song" Romberg.
 COMEDY DIALOGUE.
 "Arguments," by Bill and Liza
 (2 quarrelsome Cockneys.)
 ERNEST WINFRED, (Violin Solos) Drda.
 "Souvenir" Gounod.
 "Ave Maria"
 ETHEL GATELEY AND THELMA BARRON (Piano Duet.)
 Overture "Rosa munda" Schubert.
 Song and Chorus. "The Interfering
 Parrot" from "The Geisha."
 SKETCH
 "Imaginations."
 ERNEST WINFRED, (Violin Solo)
 "New Sullivan Fantasia" Higgs.
 THE COMPANY.
 Medley "Old Favourites"
 (Please join in)
 ETHEL GATELEY AND THELMA BARRON. (Piano Duet)
 "L'Italiana in Algeri" Rossini.
 THE COMPANY.
 Closing Chorus: "Company Dismiss."
11-0 Close down.



VUB 350.9 metres, 855 kc/s. 31,36 metres, 9565 kc/s.

- a.m.**
11-30 Marathi Songs
 By S. G. NEUREKAR.
p.m.
12-5 Instrumental Duets.
 IBRAHIM. *Kastatarang.*
 J. SHAH. *Bul-bul-tarang.*
12-15 Light Music
 By ANJANIBAI WADKAR.
 With *Sarangi, Harmonium and Tabla.*
1-0 Available Market Rates.
Lunch Hour Selections.
 (H.M.V.)
 LIGHT SOMPHONY ORCHESTRA.
 "Mannin Veen."
 MARY ELLIS TREVOR JONES. (Duets).
 "Fold your wings."
 "Shine through my dreams."
 PAUL WHITEMAN AND THE TEA GARDEN BOYS.
 "I've a Muggin."

- SAM BROWN AND THE RHYTHM SISTERS.
 "I'm shooting High."
 "Please believe me."
 NEW MAYFAIR ORCHESTRA.
 "Jerome Fern Melodies."
 DRESDEN STATE OPERA ORCHESTRA.
 "Egmont overture."
p.m.
2-0 Close down.
6-0 Relay from Central Cinema.
 (By kind permission of the Management.)
6-30 AUNTIES MARION AND ZENA.
 The First Steam Boat—A Famous Musician—A Little
 Surprise—Riddles and Songs.
7-0 St. Mary's High School Band.
 Under the direction of REV. J. ARXE, S.J.
 March - "Strauss March" - Mezzacapo.
 Overture - "Morning, Noon and
 Night in Vienna" - Suppe.
 Valse - "Luna Walzer" - Linake.
 Selection - "The Pirates of
 Penzance" - Sullivan.
 Italian Dance Suite. "Barcarola" - Tchakoff.
 "Tarantella"
 Fantasia - "Mountain life" - Le Thiere.
 Piccolo Solo - "Cassiopeia" - Barsotti.
 Descriptive Fantasia "A trip to Blackpool". Bidgood.
 A TRIP TO BLACKPOOL, Synopsis.
 Arrival of the excursionists at the railway station with the
 usual excitement and bustle—Railway bell and guards
 whistle announce the departure of the train—Arrival at
 their destination—Merry-making commences—Nigger on
 the sands—Song "Back to Alabama"—Clog dance—A sea
 trip is proposed—All aboard—A life on the ocean wave.
 Night approaches, followed by gay scenes on deck—Dancing
 to the strains of the "Beautiful Blue Danube"—valse, A
 storm arises; all take shelter—Dancing resumed—song:
 "My lady lu." A boisterous cake-walk and the return
 to "Home Sweet Home."
 Optional Pieces.
 Barn Dance - "The School Girl" - Stewart.
 Valse - "L'Amour Defendu" - Praag.
8-0 A Programme of Music
 By FRANZ JOSEPH HAYDN.
 Played by LENER'S STRING QUARTET.
 (Recorded by Columbia.)
8-30 Commercial News and News in Hindi.
9-0 Works of Haydn (Contd.)
9-30 Talk (English): "Lives of Great Men", No. 2.
 Beethoven.
 By W. W. RUSSELL.
9-45 News in English.
10-0 Yusef Effendi.
 SB In Light Hindustani Songs.
 Accompanied by the VUB Indian Orchestra.
11-0 Close down.

CALCUTTA



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

- p.m.**
12-36 Time Signal.
SB "The Radio Sextette."
 A Light Instrumental Programme from the Studio.
 Calcutta Weather Bulletin for Oceancraft and Rivercraft.
1-36 Talk (Bengali): "Women in Religion."
 By PRITI GUPTA.
2-6 *Musical Selections.
2-36 Talk (Bengali): "The Problem of the Unmarried
 Girl."
 By BISHNU SARMA.
3-6 Time Signal. Close down.
5-6 Time Signal.
Comic Duet By RANJIT ROY and USHABATY.
5-21 Talk (Bengali): "Wealth in Cattle—Dairy Hints."
 By A DAIRY MAN.
5-36 Violin Recital By GANGA CHARAN NANDY.
5-46 Bengali Kheyal By SURANATH MAZUMDAR.
6-1 Sarode Solo By RAJENDRA NARAYAN SEN GUPTA.
6-16 Modern Bengali Song By TARAPADA CHAKRAVARTY.

* Gramophone records.

All Times are given in Indian Standard Time.

p.m.
6-36 A Musical Programme.
 Organized by AMIYA PRAKASH MUKHERJEE.
 Vocal Music.
 GOURI MITRA. ANUPAMA MUKHERJEE.
 MANIMALA GANGULY. RATNAMALA SEN.
 BONOLATA MITRA. DOLLY BOSE.
 SUPRITI MAZUMDAR. PRATIVA SEN.
 BHARATI MAZUMDAR.

Instrumental Music. *Dilruba Solo.*
 GOURI RANI SEN.

8-6 Talk (Bengali): "A Globe Trotter's Diary."
 By RAM NATH BISWAS.

8-21 A Piece in Megh Raga.
 Jantri Sangha conducted by SURENDRA LALL DAS.

8-41 Commercial News and Weather Report (In Bengali).
 SB

8-46 News in Bengali.
 SB

9-1 Commercial News and Weather Report (In English).
 SB

9-6 News in English. *Time Signal.*
 SB

9-21 Talk: "Powder, Paint, and Planters."
 By L. G. E. CLARKE.

No. 2 in the series "Busking through India."

9-36 A Light Studio Concert
 SB
 DORIS SHEPPARD. *Vocalist and Pianist.*
 DONALD DUTHY. *Baritone.*
 STANLEY GOMES. *Violinist.*

10-36 *Time Signal. Close down.*



TRANSMISSION 1.

GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.)

p.m.
12-45 Big Ben. "Isn't Nature Wonderful?"*

1-16 Talk: "Food for Thought."*

1-36 A Song Recital.

1-55 A Programme of New Gramophone Records.

2-25 The News and Announcements.

2-45 *Close down.*

TRANSMISSION 2.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.)

p.m.
4-30 Big Ben. The BBC Scottish Orchestra.

5-20 Feature Programme.*

5-40 A Pianoforte Recital.

5-55 Talk: "Food for Thought."*

6-15 The BBC Singers.

6-30 The News and Announcements.

6-50 An Organ Recital.

7-15 *Close down.*

TRANSMISSION 3.

GSH 21.47 Mc/s (13.97 m.), GSG 17.79 Mc/s (16.86 m.),
 GSF 15.14 Mc/s (19.82 m.)

p.m.
7-30 Big Ben. "Isn't Nature Wonderful?"*

8-1 Orchestra Music.

9-0 Talk.

9-15 A Military Band Concert.

10-0 The News and Announcements.

Thursday, 15th October

p.m.
10-20 Dance Music.

10-30 *Close down.*

TRANSMISSION 4.

Three of the following frequencies will be used:
 GSG 17.79 Mc/s (16.86 m.), GSO 15.18 Mc/s (19.76 m.),
 GSF 15.14 Mc/s (19.82 m.), GSD 11.75 Mc/s (25.53 m.),
 GSB 9.51 Mc/s (31.55 m.)

p.m.
10-45 Big Ben. "Golden Pagoda."*
 A programme about Burma.

11-27 Dance Music.

11-30 The News and Announcements.

11-50 Cinema Organ Recital.

a.m.
12-10 The BBC Empire Orchestra.
 Isobel Baillie (Soprano).

Greenwich Time Signal at 12-30 a.m.

1-15 The BBC Dance Orchestra.
 Directed by Henry Hall.

2-0 Reading.

2-15 Variety.*

2-30 The News and Announcements.

2-50 A Ballad Recital.

3-20 Royal Philharmonic Concert.
 Beethoven Programme.

Greenwich Time Signal at 3-30 a.m.

4-0 Talk.*

4-15 *Close down.*

* Electrical recording.

GERMANY (Berlin)

DJA 31.38, DJQ 19.63, DJN 31.45, DJE 16.89.

10-40 a.m. Gay Potpourri. **11-45 a.m.** Gay Potpourri (contd.). **12-30 p.m.** News and Economic Review in English. **12-45 p.m.** To-day in Germany. Sound Pictures. **1-0 p.m.** A jolly hour. Away to the happy hunt! **2-15 p.m.** Chamber Music. **3-15 p.m.** Hitler Youth Programme.

4-30 p.m. Concert of Light Music. **5-30 p.m.** News in English. **5-45 p.m.** Greetings to our Listeners in the Far East. **5-50 p.m.** Concert of Light Music (contd.). **6-45 p.m.** Women's Hour: Training of German Girls for overseas. **7-0 p.m.** Listeners and broadcasters broadcast together. **7-15 p.m.** Hallo, girls and boys! **7-30 p.m.** News and Economic Review in English on DJE, DJQ. **7-45 p.m.** To-day in Germany. Sound Pictures. **8-0 p.m.** New German Light Music. **8-45 p.m.** Talk. Cultural and Economic Exchange between Germany and China. **9-0 p.m.** The Army plays. **9-30 p.m.** *Close down.*

FRANCE (Radio Colonial)

Wavelength 19.68 m. and/or 25.24 m.

11-30 a.m. Relay from P.T.T. Transmitter. **11-50 a.m.** Market Prices, Rates of Exchange. **12 noon.** Records. **12-10 p.m.** Relay from P.T.T. Transmitter.

12-25 p.m. Records. **1-0 p.m.** Talk on Events in France. **1-15 p.m.** Records. **1-45 p.m.** News in French. **2-15 p.m.** News in English. **2-30 p.m.** *Close down.*

3-25 p.m. Day's Programme. **3-30 p.m.** Relay from Radio-Paris—Concert. **4-30 p.m.** News in English. **4-45 p.m.** Concert-Relayed (contd.). **5-15 p.m.** News in French. **5-45 p.m.** Concert-Relayed (contd.). **6-30 p.m.** International Talk, by Mr. Jacques Kayser. **6-40 p.m.** Talk on Music, by Mr. Charles Oulmont. **6-50 p.m.** Colonial Market Prices, Rates of Exchange. **7-0 p.m.** Concert. Chamber Music with the Reitlinger Quartet. **8-25 p.m.** Rates of Exchange and French Stock (Rentés). **8-30 p.m.** *Close down.*

9-45 p.m. News in French, Market Prices, Rates of Exchange. **10-30 p.m.** Concert-Relayed. **11-0 p.m.** Relay of Radio-Journal of France (French News). **11-20 p.m.** Talk. **11-30 p.m.** Concert. Records. **12 midnight.** News in English. **12-30 a.m.** News in French, Market Prices. **1-0 a.m.** Relay. **3-30 a.m.** *Close down.*

ITALY (Rome)

Wavelength 25.40 and/or 31.13 Metres.

5-13 p.m. Varied programmes. **6-45 p.m.** Concert. Talk. "Pisa and the East". **7-30 p.m.** News in English. Selections from the opera "La Fiamma" by Ottorino Respighi. **10-0 p.m.** Concert; Cetra orchestra. Vocal concert. Anna Maria Laudisa, soprano. Giovanni Corda, tenor. Poetical readings—Rita Giannini. **11-10 p.m.** Concert of Arabian music.

BBC Programme for Sept. 28th

TRANSMISSION 6.

GSD 11.75 Mc/s (25.53 m.), GSC 9.58 Mc/s (31.32 m.)

a.m.
7-30 Big Ben. A Religious Service.*
 From Folkestone Baptist Church. Address by the Rev. J. C. Carlile.

8-21 A Recital.
 By Eileen Pilcher (Contralto) and John Tornay (Tenor). Eileen Pilcher: A Land of Silence; Spring is at the Door (Quilter). Bluebells from the Clearings (Ernest Walker). The Cherry-tree Doth Bloom (Coatley). John Tornay: Come into the Garden, Maud (Balfe). For you Alone (Geehl). Eileen Pilcher: O Men from the Fields (Herbert Hughes). When I was One and Twenty (Armstrong Gibbs). Ecstasy (Rummel). John Tornay: A Brown Bird Singing (Haydn Wood), Until (Sanderson).

8-45 Music of the Elizabethans.
 Geoffrey Dunn (Tenor), accompanied by Diana Poulton (Lute) John Ticehurst (Harpichord).

9-10 Weekly Newsletter
 Sports Summary, and Announcements.

Greenwich Time Signal at 9-15 a.m.

9-30 *Close down.*

BBC Programme for Sept. 29th

TRANSMISSION 6.

GSD 11.75 Mc/s (25.53 m.), GSC 9.58 Mc/s (31.32 m.)

a.m.
7-30 Big Ben. Fishing Industry Programme.*

8-11 A Recital.
 By Jan Smeterlin (Pianoforte). Organ Choral Prelude in G (Rejoice, Beloved Christians) (Bach-Busoni). Nocturne in B, Op. 62, No. 1; Two Studies: (1) Op. 25, No. 5 in E minor (2) Op. 10, No. 8 in F (Chopin). La maja et le rossignol (Granados). Hommage a la Chine (Tcherepnine).

8-35 Talk.*

8-50 Henry Hall's Music Makers.*

9-10 The News and Announcements.

Greenwich Time Signal at 9-15 a.m.

9-30 *Close down.*

BBC Programme for Sept. 30th

TRANSMISSION 6.

GSD 11.75 Mc/s (25.53 m.), GSC 9.58 Mc/s (31.32 m.)

a.m.
7-30 Big Ben. The BBC Empire Orchestra.

Led by Oscar Lampe; conducted by Daniel Melsa. Douglas Kirke (Baritone). Orchestra: Overture, Light Cavalry (Suppe). Salut d'amour (Elgar). Harlequin Dance (Montague Phillips). Douglas Kirke: Songs of Travel: (1) The Vagabond (2) Bright is the Ring of Words (3) The Roadside Fire (Vaughan Williams). Orchestra: Folk-Tune and Fiddle Dance, for strings (Fletcher). Douglas Kirke: To-morrow (Keel). Duna (McGill). King Charles (Maude Valerie White). Orchestra: Mediterranean Suite: (1) Spain (The Dance) (2) Italy (Barcarolle) (3) France (Carnival) (Ansell).

8-30 "Imperial Affairs."*
 By H. V. Hodson.

8-45 A Sonata Recital.
 By James Whitehead (Violoncello) and Norman Tucker (Pianoforte). Sonata in B flat, Op. 45: Allegro vivace; Andante; Allegro assai (Mendelssohn).

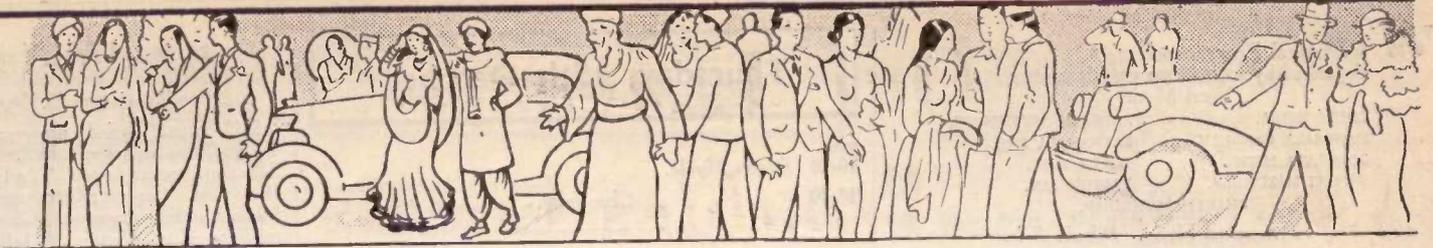
9-10 The News and Announcements.

Greenwich Time Signal at 9-15 a.m.

9-30 *Close down.*

* Electrical recording. † Gramophone records.

All Times are given in Indian Standard Time.



For those for whom the best is Good Enough.

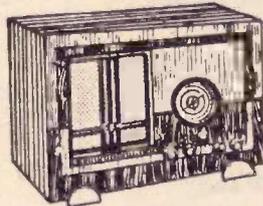
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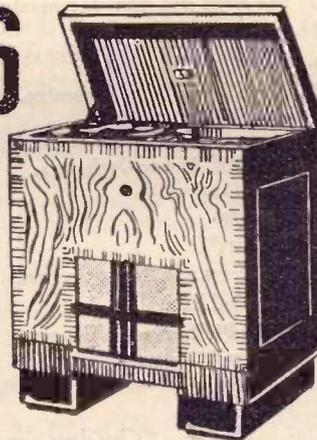
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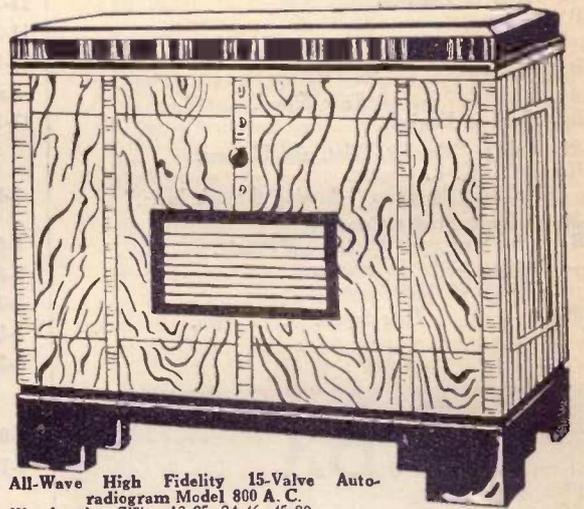
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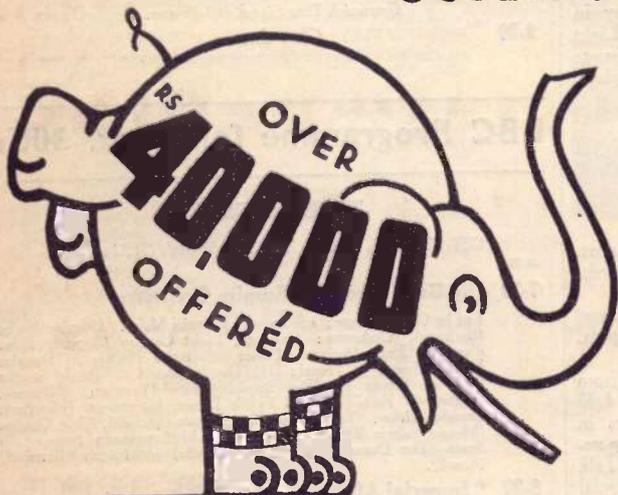


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MW:—200-550.
LW:—1000-2000 meters Approx.
Cabinet: Chocely-figured walnut in the contrasting panels, crossbanding and quartered lid and the feet ebonised. Height 34" Width 38" Depth 21½".
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of September 13th, 20th or 27th.



Our Listeners' Troubles Corner

Problems solved by the Technical Service Department

No. 32.—I find that two identical sets working the same position, and tested out separately on the same aerial, give different results. One gives Daventry weak and other foreign stations strong, whilst the second gives Daventry very strong and foreign stations weak. What is wrong?—M. B., Sholapur.

There is probably a dead spot on the tuning circuit of one or both of the sets. Get the circuits carefully tested.

No. 33.—I find I cannot get certain stations on my set now-a-days, although I used to get them. What is wrong? Also, I am receiving reception in Hindi on wave-lengths of 198, 220 and 250, and would like to know the names of the stations.—V. C. D., Botad.

Please see reply to Problem No. 31 in last issue which will explain your difficulty in getting certain stations. From what you say there is nothing wrong with your set, and reception should improve within a few weeks. You should, however, test the valves which might have lost emission. As for your second question, we would ask you to send us the call-signs of the stations referred to, although from your description they appear to be amateur stations.

No. 34.—With the instructions sent with my set it is stated that the aerial should be 50 feet long. As the available roof space of my house is only 25 feet, could I put up four aerial poles and make up the 50 feet by using two 25 feet aerial by the side of one another?—D. S. M., Bombay.

No, the proposal you make would not be satisfactory, especially as your diagram shows that you intend to cross the aerial wires. In no circumstances should they be crossed. In this case it would seem that a 25-foot aerial with a 25-foot lead-in would give satisfactory reception.

No. 35.—I should be grateful if you would give me a remedy for the fading which I experience when listening to Bombay's short-wave programmes. Also would you tell me why it is that there is at times some confusion of wave-length in my set?—S. S. M., Patan.

From the description given, there is no easy remedy for the fading; in fact, this is one of the problems still being tackled by wireless engineers and research workers. Regarding the trouble with your set, it is an inherent fault of poor selectivity.

No. 36.—Although I am using an 80-foot aerial, I find it almost impossible to get anything on 16 metres and there is also a lot of disturbance on the medium wave. The set has six valves and I was assured of good results when I got it about a fortnight ago.—A. M. G. S., Salem.

This is a very good example of where the dealer must first be called upon to give service, for it is clear that there is a local fault which the dealer should rectify in any new set,

No. 37.—There are five questions I would like to ask you about my set which gets Delhi at full strength without interference at any time of the day or night:

(a) At what angle should the aerial be placed to get the best BBC reception?

(b) What length should the aerial be?

(c) Why is it that I can get the BBC transmissions 2, 3 and 4 well, but not transmission 1?

(d) For the first hour of the BBC I have to make frequent re-adjustments of the dial, whereas for the rest of the evening it remains fixed. Why is this?

(e) Is there any reason why I should not use a three-pin plug instead of a two-pin plug into the current as I desire to connect the earth of the set to the earth-wire of the house wiring system?—W. S. R., Hissar, Punjab.

Your questions are really dependent upon local conditions, so that any reply from us many hundreds of miles away is difficult. However, based on general principles, here are the answers to your questions.

(a) You will have to try out by experiment, although if you read the answer given to Problem No. 21 in the last issue of this paper, you will glean important information.

(b) About 100 feet, if possible, inclusive of lead-in.

(c) This is probably due to the direction, for an explanation of which we would refer you to the recent series of articles on the Empire Service in this paper by Sir Noel Ashbridge, Chief Engineer of the B.B.C.

(d) This is probably due mainly to the weather conditions prevailing at the time of the transmission.

(e) There are so many subsidiary factors to be considered here that the best advice is for you to try it out, although you might pick up a hum.

No. 38.—What can I do to eliminate the noise of passing cars which at times becomes so bad that I have to turn off the set completely?—A. S. A., Bangalore.

Interference from electrical apparatus is, as we have several times said, one of the most difficult problems to be solved. In this case, we would advise the purchase of aerial noise eliminators and condensers. These will at least minimise your trouble and make reception bearable.

No. 39.—Please recommend a good aerial eliminator. Also please tell me what is the best loud speaker to fit to my set.—A. R. K., Khurja.

We cannot recommend any particular receiver or gadget. Write to your regular dealer, or to any of the advertisers of the required goods in this paper. With regard to your second question, your dealer is the best man to advise you, for the loud speaker normally fitted to a set is made to give the best volume according to the receiver's capacity.

No. 40.—Could you tell me if hills have any effect on radio reception?—D. R. H., Chandausi.

Yes, hills, and even such other earth bodies as trees, have a screening effect on the strength of the signals and thus reduce the effective height of the aerial. It is possible, therefore, that the non-reception of a certain station (such as mentioned in your letter) is due to the fact that the signals are screened by a range of hills between you and the station, especially as you say that on the same set you get that station excellently on the plains. Try changing the direction of your aerial, or better still, select a completely different position for it.

No. 41.—Will you please tell me whether I shall get the better results on A. C. or D. C.?—E. H., Gorakhpore.

A. C. current is certainly better for radio reception. Regarding your other questions, we would refer you to our answers to Nos. 1 and 39.

No. 42.—I listen in to many foreign stations. Will you please tell me how to get their verifications?—J. L., Calcutta.

Write to the Director of the station concerned giving him clear details about the set used, the strength of the reception, the call-sign and programme items of the day, and any other information which you think will be interesting. Enclose an "international postage coupon" obtainable at most post offices, for a reply.

Your other questions will be answered by separate letter.

(Please turn to the next page)

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"Airline" Agency, Modikhana, Baroda.

No. 43.—For some time I have felt that my receiver should give me better results, especially from Daventry. Some time ago, however, I found that if I touched the metal chassis of the set, it immediately went dead. The agents in Bombay ask me to send the set to them for repair, but as the defect may be only a small matter, I am writing to you first in the hopes that you can help.—U. L., Ghorawari.

It is very difficult from your description to give any opinion on this matter. Your valves may, however, have loose contacts, or perhaps the trouble may be due to your supply leads shorting. If you have checked all your connections and wiring, it would probably be advisable to return the set to your dealer.

No. 44.—Will you please explain the meaning of the various abbreviations and terms which appear in the different wireless magazines?—D. D. G. of Bulsar; and others.

(a) S.B. means "simultaneous broadcast" by a station on two transmitters on two different wave-lengths.

(b) Kc/s means kilocycles; that is, the number of cycles per second, or the number of to-and-fro alternations of the electric pressure as the waves travel through space. 1 kilocycle is 1,000 cycles.

(c) VUB, VUC and VUD are the different call-signs given to the three different stations of AIR (these letters stand for All India Radio) by the International League. VU is the designation for India; B stands for Bombay, C for Calcutta, and D for Delhi.

(d) Short-wave covers all wave-lengths below 80 metres.

(e) Medium-wave includes wave-lengths between 200 and 550 metres.

(f) Long-wave covers all wave-lengths above 1,000 metres.

No. 45.—I have been told that if I place my set alongside the wall, it will become damaged. If this is the case, what distance from the wall should it be kept?—S. S., Ludhiana.

Whilst it would not be right to say that a set would be damaged merely by standing next to a wall, we would advise you to keep it a few inches from the wall whenever possible. This will prevent vibration, electric seepage and damp from interfering with your reception.

No. 46.—Having loaned my set to a friend, I found on its return that reception on medium waves was very poor, that the volume had been greatly reduced, and that whistling supervened after the set had been in use for about half an hour. What is wrong? Have you a book which would tell me how to remedy this defect?—P. N. S., Simla.

It seems very evident that someone has been meddling with the internal parts, and that the set requires re-tuning and re-adjusting. This must be done by an experienced wireless mechanic, and we would recommend that you ask your dealer to overhaul it. We regret that we know of no book that would help you to do this yourself. But perhaps your dealer can get you a booklet on the working of your own particular set.

No. 47.—I find that during recent weeks I have to increase the volume of my set in order to get stations which previously came in easily. My dealers have examined the set and have reported "nothing wrong." What am I to do?—J. M., Bombay.

If your dealers are recognised radio agents and have a good servicing department, then we can offer but little consolation or help,—unless it be that we suggest you try another agent! The trouble of which you speak, however, is usually due to loose connections, although the local weather conditions might also be largely responsible. It is possible that emission

of your valves may be low, or that the tuning circuit of your receiver is misaligned. As it is only a question of volume, and not of bad reception, we would advise you to wait for the monsoon to end, and then see whether the old volume returns.

No. 48.—I find that my electric gramophone pick-up is not giving me satisfaction, for although the wireless set gives good strength, the gramophone is very weak. What shall I do?—M. C. S., Broach.

This is entirely a matter for your dealer to attend to, unless you find that there is a loose contact of your gramophone jack into the set. On the meagre information you give, it is impossible for us to even suggest what else might be wrong. Send full details to the agents of the pick-up, and ask them to see that you get good results.

No. 49.—Will you please let me know what station is now transmitting on the long-wave band at about 920 metres? It seems to be carrying out tests with another station in Karachi, and can be heard every morning at about eleven o'clock for ten minutes.—M. B. V., Bombay.

This is apparently a telephone transmitter of the Indian Posts and Telegraphs Department, working on a band which is more or less reserved for shipping and allied services.

Regarding your other question, we cannot publish the exact frequencies of the various light-house stations of India.

No. 50.—Can you give me the name of a good wireless magazine to which I could subscribe that so I may keep abreast of the times in wireless progress?—L. T., Lucknow.

There are many such magazines published in England and America, and we suggest that you would glean a lot of useful information from the "Wireless World," details of which you will find elsewhere in this issue.

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Short-Wave Time-Table

| STATIONS | METRES Kc/s. | I. S. T. | STATIONS | METRES Kc/s. | I. S. T. | STATIONS | METRES Kc/s. | I. S. T. |
|------------------------|-----------------|---|---------------------------------|-----------------|--|-------------------------------|-----------------|--|
| Pittsburgh Pa .. | 13.93 21,540 | 5-30 to 6-30 p.m. daily. | Buenos Aires (Ar) .. | 31.32 9,580 | Daily 6-30 to 7-30 a.m. | Nairobi (Kenya) .. | 49.31 6,083 | Daily 2-30 to 3-30 p.m. and 9-30 to 11-30 p.m. |
| Bandoeng, Java .. | 15.93 18,830 | 7-30 to 8-30 Tues- days, Thursdays, Saturdays. | Schenectady (N. Y.) | 31.48 9,530 | Daily 2-30 to 9-30 a.m. | Vienna (Austria) .. | 49.41 6,072 | Daily 1-30 p.m. to 3-30 a.m. |
| Bangkok, Siam .. | 16.91 17,741 | 6-30 to 8-30 a.m. daily. | Jeloy (Norway) .. | 31.48 9,530 | Daily 3-30 to 5-30 p.m. and 9-30 p.m. to 2-30 a.m. | Cincinnati (Ohio) .. | 49.50 6,060 | Daily 6-30 p.m. to 5-30 a.m. |
| Schenectady, N. Y. .. | 19.57 15,330 | 10-30 to 11-30 a.m. 8-30 to 11-30 p.m. daily. | Moscow, U.S.S.R. .. | 31.51 9,520 | 12-30 to 8-30 p.m. daily. | Philadelphia (Pa) .. | 49.50 6,060 | Daily 5-30 to 7-30 a.m. |
| Buenos Aires, Arg. .. | 19.62 15,290 | 9-30 p.m. to 6-30 a.m. irregular. | Melbourne (Australia) | 31.55 9,510 | Daily except Sun- day, 2-30 to 4-30 p.m. | Cincinnati (Ohio) .. | 49.5 6,060 | Daily 9-30 to 11-30 a.m. and 6-30 p.m. to 5-30 a.m. |
| New York, N. Y. .. | 19.65 15,270 | 10-30 a.m. to 4-30 p.m. 6-30 p.m. to 3-30 a.m. daily. | Havana (Cuba) .. | 31.82 9,428 | Daily 12-30 mid- night to 8-30 a.m. and 6-30 to 9-30 p.m. | Barranquilla (Col.) | 49.65 6,042 | Daily (except Mondays) from 4-30 to 8-30 a.m. |
| Pontoise, France .. | 19.68 15,243 | 4-30 to 8-30 p.m. daily. | Budapest, Hungary. | 32.88 9,125 | 6-30 to 7-30 p.m. Sunday. | Panama City (Pana). | 49.75 6,030 | Daily from 5-30 to 8-30 a.m. |
| Pittsburgh, Pa. .. | 19.72 15,210 | 7-30 p.m. to 4-30 a.m. daily. | Hongkong (China) . | 34.29 8,750 | Daily 9-30 to 11-30 a.m. and 2-30 to 3-30 p.m. | Singapore (S.S.) .. | 49.85 6,018 | Sundays from 8-30 to 11-30 a.m.; Mon., Wed., Thurs. 4-30 to 6-30 p.m. |
| Vatican City (Italy) . | 19.84 15,123 | Daily except Sun- day 3-30 to 4 p.m. | Tokio (Japan) .. | 39.95 7,510 | Daily 5-30 to 7-30 p.m. | Bogota (Colombia) | 49.85 6,018 | Daily 9-30 p.m. to midnight 0-30 and 4-30 to 8-30 a.m. |
| Tokyo, Japan .. | 20.55 14,600 | 4-30 to 5-30 a.m. daily. From 3-30 a.m. on Tuesdays and Fridays. | Tenerifa (C. I.) .. | 41.61 7,210 | Daily 6-30 to 7-30 p.m. | Singapore (Malaya) | 49.85 6,018 | Sunday, 8-30 to 11-30 a.m.; and Monday, Wed- nesday & Thurs- day, 4-30 to 6-30 p.m. |
| Suva, Fiji .. | 22.94 13,075 | 9-30 to 11-30 a.m. irregular. | Georgetown (Br. Guiana) .. | 42.37 7,080 | Daily 2-30 to 6-30 a.m.; on Sundays 5-30 to 8-30 p.m. | Bogota (Colombia) | 49.85 6,018 | Daily 9-30 p.m. to 12-30 midnight and 4-30 to 8-30 a.m. |
| Rabat, Morocco .. | 23.38 | 6-30 to 8-30 p.m. on Sundays. | San Jose (Costa Rica) | 44.71 | Daily 4-30 to 7-30 a.m. | Havana (Cuba) .. | 49.92 6,010 | Daily 7-30 to 11-30 p.m., 2-30 to 4-30 a.m. and 6-30 to 9-30 a.m. |
| Moscow, U.S.S.R. .. | 25.00 12,000 | 5-30 to 8-30 p.m. on Sundays, 0-30 to 1-30 a.m. on Mondays. | Guayaquil (Ecuador) | 45. 6,667 | Daily 5-30 to 8-30 a.m. | Mexico City .. | 50.00 6,000 | Daily 8-30 p.m. to 10-30 a.m. |
| Rome, Italy .. | 25.24 11,885 | Daily 12-25 to 2-30 p.m. | Moscow (U.S.S.R.) | 45.38 | Daily 6-30 to 7-30 p.m. | Moscow (U.S.S.R.) | 50.00 6,000 | Daily 1-30 to 3-30 a.m. |
| Pontoise, France .. | 25.23 11,880 | 9-30 p.m. to 3-30 a.m. daily. | Valencia (Venezuela) | 46. 6,520 | Daily 9-30 to 11-30 p.m. and 3-30 to 7-30 a.m. | Vatican City (Italy). | 50.26 5,969 | Daily midnight 0-30 to 0-45, Sundays 3-30 to 3-45 p.m. |
| Pittsburgh, Pa. .. | 25.27 11,870 | 3-30 to 6-30 a.m. daily. | San Jose (Costa Rica) | 46.87 6,400 | Daily 10-30 to 11-30 p.m. and 4-30 to 8-30 a.m. | San Jose (Costa Rica) | 51.52 5,820 | Daily 10-30 to 12-30 midnight and 3-30 a.m. to 12-30 noon. |
| Manila, Phillipines .. | 25.34 11,825 | 11 a.m. to 5 p.m. daily. | Caracas (Venezuela) | 47.05 6,375 | Daily 3-30 to 8-30 a.m. | Hongkong (China) . | 55.45 5,410 | Daily 9-30 to 11-30 a.m. and 2-30 to 3-30 p.m. |
| Pontoise, France .. | 25.60 11,720 | 4-30 to 11-30 a.m. daily. | Colombo .. | 48.70 | Daily 5 p.m. to 10 p.m. | Sourabaya (Java) .. | 67.11 4,470 | Daily 3 to 8 p.m. |
| Tokyo, Japan .. | 27.93 10,740 | 10-30 to 5-30 p.m. irregular. | Winnipeg (Canada) | 48.78 6,150 | Daily 6-30 to 9-30 a.m. | Kharbarovsk (U.S. S.R.) .. | 70.2 4,273 | Daily 3-30 a.m. to 7-30 p.m. |
| Tokyo, Japan .. | 28.01 10,710 | 9-30 a.m. to 6-30 p.m. irregular. | Caracas (Venezuela) | 48.78 6,150 | Daily 2-30 to 7-30 a.m. | Khabarook (Siberia) | 70.20 4,273 | Daily 3-30 a.m. to 7-30 p.m. |
| Medan, Sumatra .. | 28.76 10,431 | 4-30 to 5-30 p.m. daily. | Santiago (Cuba) .. | 48.78 6,150 | Daily 1-30 to 8-30 a.m., 10-30 to 11-30 a.m. and 7-30 to 9-30 p.m. | Ponta Delgada (Azores) .. | 75.00 4,000 | Thursdays and Sundays, 3-30 to 5-30 a.m. |
| Bandoeng, Java .. | 29.24 10,260 | 3-30 to 7-30 p.m. daily. | Pittsburgh (Pa) .. | 48.86 6,140 | Daily 7-30 to 10-30 a.m. | Batavia (Java) .. | 98.68 3,040 | Daily 4 to 9-30 p.m. |
| Madrid, Spain .. | 30.43 9,860 | 3-30 to 7-30 a.m. daily. | Lourenzo Marques (Africa) .. | 48.89 6,136 | Daily 10-30 p.m. to 12-30 midday; Sundays from 6-30 p.m. | | | |
| Macao (China) .. | 31.00 9,677 | Monday & Friday, 1-30 to 2-30 p.m. | Havana (Cuba) .. | 48.92 6,130 | Daily 4-30 to 9-30 a.m. | | | |
| Lisbon (Portugal) .. | 31.01 9,655 | Wednesday Friday, Saturday and Sunday, 1-30 to 4-30 a.m. | New York (N. Y.) . | 49.02 6,120 | Daily 7-30 to 8-30 a.m. | | | |
| Rome (Italy) .. | 31.13 9,635 | Daily 12-30 to 2-30 a.m.; Tuesday, Thursday and Saturday, 4-30 to 6-30 a.m. | Johannesburg (Africa) | 49.21 6,097 | Daily 9-30 to 6-30 a.m.; 2-30 to 7-30 p.m. | | | |
| Philadelphia (Pa) .. | 31.28 9,590 | Daily from 9-30 p.m. to 4-30 a.m. | | | | | | |
| Sydney (Australia) .. | 31.28 9,590 | Sundays, 3-30 to 9-30 p.m. | | | | | | |

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 | 25 | Peshawar (India) VUP. | 328.6 | 913 | 60 | Toulouse (Radio Toulouse) (France). | 476.9 | 629 | 20 | Lisbon (Portugal). |
| 206 | 1,456 | 20 | Eiffel Tower, Paris | | | | | | | 20 | Trondelag (Norway). |
| 215.4 | 1,393 | 25 | Radio-Lyons (France). | 331.9 | 904 | 100 | Hamburg (Germany). | | | 20 | Cairo (Egypt). |
| 225 | 1,933 | .3 | Dehra Dun (India) VUU. | 340.1 | 882 | 20 | Delhi (India) VUD. | 483.9 | 620 | 15 | Brussels I (Belgium). |
| 238.5 | 1,258 | 10 | Riga (Latvia). | 342.1 | 877 | 50 | London Regional (Great Britain). | 491.8 | 601 | 20 | Florence (Italy). |
| 240.2 | 1,249 | 17 | Saarbrücken (Germany). | | | | | 499.2 | 601 | 25 | Rabat (Radio Maroc) Morocco. |
| 245.5 | 1,222 | 10 | Trieste (Italy). | 344.8 | 870 | 10 | Tokyo (Japan) JOAK. | 506.8 | 592 | 100 | Vienna (Austria). |
| 247.3 | 1,213 | 60 | Liège PTT (France). | 345.6 | 868 | 16 | Poznan (Poland). | 508.5 | 590 | 10 | Tokyo (Japan) JOAK. |
| 251.0 | 1,195 | 25 | Frankfurt (Germany). | 349.2 | 859 | 35 | Strasbourg (France). | | | 15 | Grenoble (France). |
| | | 60 | Kharkov II (U.S.S.R.) | 350.9 | 855 | 3 | Bombay (India) VUB. | 514.6 | 583 | 15 | Madona (Latvia). |
| 253.2 | 1,185 | 10 | Nice-Corse (France). | 356.7 | 841 | 100 | Berlin (Germany). | 522.6 | 574 | 100 | Stuttgart (Germany). |
| 255.1 | 1,176 | 10 | Copenhagen (Denmark). | 357.1 | 840 | 12 | Saigon (France-Indo-China) F31 CD. | 531.0 | 565 | 60 | Athlone (Irish Free State). |
| 257.1 | 1,167 | 15 | Monto Ceneri (Switzerland). | | | | | 539.6 | 556 | 100 | Beromunster (Switzerland). |
| | | 20 | London National (G. Britain). | 360.6 | 832 | 100 | Moscow IV (U.S.S.R.) | 549.5 | 546 | 120 | Budapest (Hungary). |
| 261.1 | 1,149 | 20 | West National (Great Britain) | 364.5 | 823 | 12 | Bucharest (Romania). | 559.7 | 536 | 16 | Wilno (Poland). |
| | | 20 | North National (G. Britain). | 368.6 | 814 | 50 | Milan I (Italy). | 726 | 413.5 | 10 | Voronezh (U.S.S.R.) |
| 265.3 | 1,131 | 10 | Horby (Sweden). | 370.4 | 810 | 3 | Calcutta (India) VUC. | 748 | 401 | 100 | Moscow III (U.S.S.R.) R. W. |
| 267.7 | 1,120 | 150 | Nuevo Laredo (Mexico) XENT | 373.1 | 804 | 50 | West Regional (Great Britain). | 765 | 392 | 30 | Banska Bystrica (Czecho). |
| | | 11.2 | Radio Normandie (France). | | | | | 800 | 375 | 50 | Sverdlovsk (V.S.S.R.) |
| 269.5 | 1,113 | 11.2 | Moravska-Ostrava (Czechoslovakia). | 377.4 | 795 | 16 | Lwow (Poland). | 834.5 | 359.5 | 20 | Budapest II (Hungary) |
| | | 50 | Kuldiga (Latvia). | 382.2 | 785 | 120 | Leipzig (Germany). | 845.1 | 355 | 20 | Rostov-on-Don (U.S.S.R.) |
| 271.7 | 1,104 | 10 | Madrid (Spain) EAJ 7. | 386.6 | 776 | 120 | Toulouse (France). | 1060 | 283 | 35 | Tiflis (U.S.S.R.) |
| 274 | 1,095 | 10 | Vinitza (U.S.S.R.) | 389.6 | 770 | 0.2 | Madras (India) VUM. | 1107 | 271 | 100 | Moscow II (U.S.S.R.) |
| 278.6 | 1,077 | 30 | Bordeaux Lafayette (France). | 391.1 | 767 | 50 | Scottish Regional (G. Britain) Falkirk | 1154 | 260 | 60 | Oslo (Norway). |
| 280 | 1,071 | .10 | Allahabad (India) VUA. | | | | | 1170 | 256.4 | 25 | Taskhent (U.S.S.R.) |
| 283.3 | 1,059 | 20 | Bari (Italy). | 395.8 | 758 | 12 | Katowice (Poland). | 1293 | 245 | 100 | Leningrad (U.S.S.R.) |
| 285.7 | 1,050 | 50 | Scottish National (Great Britain). | 400.5 | 749 | 60 | Marseilles PTT (France). | 1250 | 240 | 150 | Luxembourg. |
| | | 40 | Rennes-Bretagne (France). | 405.4 | 740 | 100 | Munich (Germany). | 1339 | 224 | 60 | Kalundborg (Denmark). |
| 288.5 | 1,040 | 10 | Leningrad II (U.S.S.R.) | 410.4 | 731 | 75 | Nanking (China) XGOA. | 1379 | 217.5 | 120 | Warsaw (Poland). |
| 291.0 | 1,031 | 60 | Konigsberg (Germany). | 415.5 | 722 | 36 | Kiev (U.S.S.R.) | 1389 | 216 | 100 | Novosibirsk (U.S.S.R.) |
| 296.2 | 1,013 | 50 | Midland Regional (G. Britain) | 420.8 | 713 | 50 | Rome (Italy). | 1442 | 208 | 150 | Motala (Sweden). |
| 298.8 | 1,004 | 13.5 | Bratislava (Czechoslovakia). | 426.1 | 704 | 55 | Stockholm (Sweden). | | | 16 | Reykjavik (Iceland). |
| 301.5 | 995 | 20 | Hilversum (Holland). | 428.3 | 700 | 500 | Cincinnati (Ohio) WLW. | 1500 | 200 | 35 | Minsk (U.S.S.R.) |
| | | 10 | Genova (Italy). | 428.5 | 700 | 2 | Colombo (Ceylon). | 1571 | 191 | 150 | Droitwich (Great Britain). |
| 304.3 | 986 | 24 | Torun (Poland). | 431.7 | 695 | 120 | Paris PTT (France). | 1600 | 187.5 | 60 | Deutschlandsender (Germany). |
| 307.1 | 977 | 100 | North Ireland Regional. | 440.0 | 681 | 75 | Nanking (China) XGOA. | | | 35 | Irkoutsk (U.S.S.R.) |
| 309.9 | 968 | 10 | Odessa (U.S.S.R.) | 443.1 | 677 | 100 | Sottens (Switzerland). | | | 80 | Radio Paris (France). |
| 312.8 | 959 | 60 | Poste Parisien (France). | 449.1 | 668 | 70 | North Regional (Gt. Britain). | 1648 | 182 | 500 | Moscow I (U.S.S.R.) |
| 315.8 | 950 | 100 | Breslau (Germany). | 454.5 | 660 | 20 | Jerusalem (Palestine). | 1744 | 172 | 150 | Lahti (Finland). |
| 318.8 | 941 | 12 | Algiers (North Africa). | 455.9 | 658 | 75 | Nanking (China) XGOA. | 1807 | 166 | 150 | Brasov (Romania). |
| 321.9 | 932 | 15 | Brussels II (Belgium). | 463.0 | 648 | 100 | Cologne (Germany). | 1875 | 160 | 100 | Hilversum (Holland). |
| 325.4 | 922 | 32 | Brno (Czechoslovakia). | 470.2 | 638 | 90 | Lyons (La Doua) France. | 1901 | 153 | 5 | Ankara (Turkey). |
| | | | | | | 120 | Prague I (Czechoslovakia). | | | | |

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 | 21,450 | 40 | Pittsburg (U.S.A.) W8XK. | 25.29 | 11,860 | 15 | Daventry (G. Britain) GSE. | 37.33 | 8,035 | 10 | Rabat (Radio Maroc) CNR. |
| 13.97 | 21,470 | 10 | Daventry (Great Britain) GSH. | 25.34 | 11,840 | 6 | Manila (Philippine Islands). | 38.48 | 7,797 | 20 | Radio Nations (Switz.) HBP. |
| 15.93 | 18,830 | 60 | Bandoeng (Java) PLE. | 25.4 | 11,810 | 25 | Rome (Italy) 2RO. | 39.95 | 7,510 | 20 | Tokio (Japan) J.V.P. |
| 16.86 | 17,790 | 10 | Daventry (Great Britain) GSG. | 25.45 | 11,790 | 5 | Boston (Mass) WIXAL. | 48.4 | 6,198 | 5 | Parada (Portugal) CTIOGO. |
| | | 35 | Bound Brook (N.J.) (U.S.A.) W3XAL. | 25.49 | 11,770 | 40 | Zeesen (Germany) DJD. | 48.86 | 6,140 | 40 | Pittsburgh (U.S.A.) W8XK. |
| 16.87 | 17,780 | 23 | Huizen (Holland) PHI. | 25.53 | 11,750 | 15 | Daventry (G. Britain) GSD. | 48.92 | 6,130 | 6 | Manila (Philippine Islands). |
| 16.88 | 17,770 | 40 | Zeesen (Germany) DJE. | 25.57 | 11,730 | 23 | Eindhoven (Holland) PHI. | | | 0.18 | Kuala Lumpur (Fed. Malaya States) ZGE. |
| 16.89 | 17,760 | 6 | Budapest (Hungary) HAS. 3. | 25.6 | 11,720 | 10 | Radio-Colonial (Paris) TPA4. | 49.02 | 6,120 | 1.5 | Bandoeng (Java) YDA. |
| 19.52 | 15,370 | 40 | Zeesen (Germany) DJR. | 27.93 | 10,740 | 20 | Tokio (Japan) JVM. | | | 0.5 | Calcutta (India) VUC. |
| 19.56 | 15,340 | 20 | Schenectady (U.S.A.) W2XAD. | 28.14 | 10,660 | 20 | Tokio (Japan) JVN. | 49.1 | 6,110 | 15 | Daventry (G. Britain) GSL. |
| 19.57 | 15,330 | 15 | Daventry G.S.P. | 29.04 | 10,330 | 9 | Ruyssedele (Belgium) ORK. | 49.18 | 6,100 | 10 | Chicago (Ill) W9XF. |
| | | 40 | Zeesen (Germany) DJQ. | 29.24 | 10,260 | 10 | Bandoeng (Java) PMN. | 49.2 | 6,097 | 35 | Bound Brook (N.J.) W3XAL. |
| 19.60 | 15,310 | 10 | Daventry (Great Britain) GSI | 29.40 | 10,204 | 20 | Batavia (Java) NIROM. | 49.31 | 6,083 | 5 | Johannesburg (S.A.) ZTJ. |
| 19.63 | 15,280 | 10 | Radio-Colonial (Paris) 2TPA2 | 30.43 | 9,860 | 20 | Madrid (Spain) EAQ. | 49.33 | 6,080 | 5 | Nairobi (Kenya) VQ7LO. |
| 19.71 | 15,220 | 18 | Eindhoven (Holland) PCJ. | 31.13 | 9,635 | 25 | Rome (Italy) 2RO. | 49.42 | 6,070 | 0.05 | Penang (ZHJ). |
| 19.72 | 15,210 | 40 | Pittsburgh (U.S.A.) W8XK. | 31.27 | 9,593 | 20 | Radio Nations (Switzerland) HBL. | 49.5 | 6,060 | 1.5 | Vienna (Austria) OER2. |
| 19.74 | 15,200 | 40 | Zeesen (Germany) DJB. | 31.28 | 9,590 | 10 | Sydney (Australia) VK2ME. | 49.59 | 6,050 | 10 | Cincinnati (U.S.A.) W8XAL. |
| 19.76 | 15,180 | 15 | Daventry G.S.O. | 31.32 | 9,580 | 15 | Daventry (G. Britain) GSC. | 49.69 | 6,070 | 15 | Daventry (G. Britain) GSA.jj |
| 19.82 | 15,140 | 10 | Daventry (G. Britain) GSF. | 31.35 | 9,570 | 6 | Manila (Philippine Islands). | 49.70 | 6,036 | 10 | (Tandjonpriok) YDA. |
| 19.84 | 15,123 | 10 | Vatican City (Italy) HVJ. | 31.36 | 9,565 | 4.5 | Bombay (India) VUB. | 49.70 | 6,036 | 0.5 | Colombo (Ceylon). |
| 20.55 | 14,600 | 20 | Nasaki (Japan) JHV. | 31.38 | 9,560 | 40 | Zeesen (Germany) DJA. | 49.83 | 6,020 | 40 | Zeesen (Germany) DJC. |
| 22.00 | 13,635 | 10 | Warsaw SPW. | 31.45 | 9,545 | 40 | Zeesen (Germany) DJN. | 49.85 | 6,018 | 0.09 | Singapore (S.S.) ZHI. |
| 22.94 | 13,075 | .. | Suva VPD. | 31.48 | 9,530 | 25 | Schenectady (N.Y.) W2XAF. | 50.0 | 6,000 | 10 | Mexico City ZEBT. |
| 25.00 | 12,000 | 20 | Moscow (Russia) SPW. | 31.55 | 9,510 | 15 | Daventry (G. Britain) GSB. | 50.26 | 5,969 | 20 | Moscow (V.S.S.R.) RW59. |
| 25.23 | 11,880 | 10 | Radio Colonial (Paris) 2TPA3. | 31.58 | 9,500 | 15 | Rio de Janeiro (Brazil) PRF5. | 67.11 | 4,470 | 10 | Vatican City (Italy) HVJ. |
| 25.27 | 11,870 | 40 | Pittsburgh (U.S.A.) W8XK. | 32.88 | 9,125 | 5 | Budapest (Hungary) HAT4. | 70.20 | 4,273 | 1 | Sourabaya (Java) YDB. |
| | | | | 34.29 | 8,750 | 0.5 | Hong-Kong ZCK. ZBW. | 75.0 | 4,000 | 20 | Khabarovsk—RV16. |
| | | | | | | | | | | 0.05 | Ponta Delgade (Azores) CT2AJ. |