SABA MASTERPIECE CREATES A SENSATION

Any wonder when a lady of rare beauty endowed with the sweetest voice creates overnight a sensation on the stage or the screen! Same is the case with the 1937 Saba Masterpiece Senior a full-fledged Saba with sweeter tone, greater range, more power and greater selectivity than all its predecessors responsible for the great fame of SABA as the FINEST amongst Quality Radios. Equipped with an entirely new invention, the ingenious Saba Tone-Swelller, the Masterpiece produces notes higher and lower than any other radio ever made. The faults which have hitherto been considered inevitable to all radios have been overcome so that at last here is an instrument which reproduces music (whether from local or distant over-sea station absolutely untainted by mechanism. Only by actually seeing and hearing it play, you can realise the incredible difference in appearance and performance of the Masterpiece Saba and other radios. Any wonder, it is creating an unusual sensation!

DO NOT MISS THE TREAT OF SEEING AND HEARING THE MASTERPIECE

Any wonder when a lady of rare beauty endowed with the sweetest voice creates overnight a sensation on the stage or the screen! Same is the case with the 1937 Saba Masterpiece Senior a full-fledged Saba with sweeter tone, greater range, more power and greater selectivity than all its predecessors responsible for the great fame of SABA as the FINEST amongst Quality Radios. Equipped with an entirely new invention, the ingenious Saba Tone-Swelller, the Masterpiece produces notes higher and lower than any other radio ever made. The faults which have hitherto been considered inevitable to all radios have been overcome so that at last here is an instrument which reproduces music (whether from local or distant over-sea station absolutely untainted by mechanism. Only by actually seeing and hearing it play, you can realise the incredible difference in appearance and performance of the Masterpiece Saba and other radios. Any wonder, it is creating an unusual sensation!

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The Indian Listener

October 22, 1936

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Telegram: "ELECTRIC"
22nd OCTOBER 1936.

No. 21.

OFFICIAL ORGAN OF ALL-INDIA RADIO

Vol. I.

A GOOD RECORD

During the past fortnight the Delhi Station has arranged nine outside broadcasts—two from Ajmer music enthusiasts was returned to the announcement and then we switched on here by which time Jagesia was in the middle of a song. Ziauddin of Udaipur and Professor Hamid Hussain of Lucknow followed. At 10-45 p.m., to the utter dismay and disillusionment of radio authorities and the Committee, there was no other artist who could sing, there were a number of people willing to dance. Fayyaz ultimately sauntered into the hall at 10 minutes before 11. He then made a demand for a 100 rupees to broadcast. This in spite of the fact that we had already made finatical arrangement with the Conference Committee. The audience was getting restless, the authorities could give me no other singer, and so I was forced to enter into a bargain, against my wishes, but I thought it best to accept in the interest of the Service and the Conference.

"When once Fayyaz began he would not stop and nobody could dare stop him. At 15 minutes to 12 our own valves on the gear began to fail. At one time we actually thought of snatching away the microphone from the stage and taking it outside the hall to make our closing announcement. Fortunately at 11-15 Fayyaz stopped and I made my closing announcement."

A TOUCH PROPOSITION

IN the case of Ajmer considerable difficulties were experienced and we have to thank the Posts and Telegraph Department for their zealous and painstaking co-operation which resulted in a most successful relay. Relays of this kind, under present conditions, usually involve the risk of a breakdown, but in the case of Ajmer it was felt that the risk would be worth-while if listeners could be given an opportunity of appreciating the art of the talented musicians gathered at the Conference. The compliment thus paid by the radio to Ajmer music enthusiasts was returned by the President of the Conference in the form of an expression of disappointment with the radio. Used as we are to ironical situations, we must confess that this rather surprised us. In retrospect, it seems rather a pity that the address itself was not broadcast, for then the situation might have passed from the ironical to the comical, and the President might have felt a slight qualm of conscience at using the very instrument which was faithfully radiating his voice for censoring it.

Since the President decided to criticize broadcasting we feel that we, on our side, may indulge in a little criticism of the Conference. We can best do this by quoting from the report of our own observer who was on the spot.

It runs as follows:

"I have had an extremely difficult, anxious, annoying and to some extent exciting time during the past two days. Considerable trouble had to be taken to get the consent of the artists and, as I will tell you later, Fayyaz Khan burst a bombshell and created panic amongst us and also the music committee. The Conference Committee could not have been more unreasonable, and but for the pressure I could bring to bear upon them, some people would have wrecked the broadcast. There is an old gentleman here, a member of the Committee who actually had the audacity to issue printed bills all over the town, saying that no arrangements had been made for any broadcast from the Conference. Only one or two individuals responsible for the conference stood strong by me.

"As to the second session of the Conference yesterday evening and the actual relay, it is one long sad tale of disappointment and anxious moments. The Conference Committee advertised the second session to begin at 9-30 p.m. instead of at 10 as we had arranged, and there were three items unsuitable for broadcasting before our programme could begin. The hour of 9-0 came and 9-20 passed; 9-30, 9-40, 9-45 and still there was no sign of the Secretary, there was no sign of the programme starting, and with three items to run through before I could have Jagesia, you can imagine my anxiety and sorrow. I begged, I implored and I actually threatened them that I would take the law into my hands and start the programmes which I eventually did. At 9-45 p.m., as no Secretary had appeared, I started the programme with the dance that was put on the list of the day's items as number 2. After ten, every single moment that passed made me more and more nervous, but I was helpless. Pandemonium reigned, without law and without order; and disregarding the Conference I brought up one artist after another whose music we had arranged to broadcast and let the transmission get along. I asked you to switch on, you made the announcement and then we switched on here..."
Secondly, it must be remembered that this Conference took several months to arrange a few days' programme. We wonder what the quality of the music would be if a conference like this was to be held every day of the year.

Thirdly, conferences of this kind, which are generally arranged by traditionalists, provide the best kind of traditional music, but it cannot be said that they make any attempts to explore, along new lines or to explore new fields. Experiments involve mistakes, and explorations sometimes lead to unsuccessful wanderings. But they are, nevertheless, valuable and must not be given up. The adjectives "cheap", "vulgar" and "ignorant" are occasionally applied by all those who swear by tradition to all those who bankers, after progress. This has been true of all arts in all countries of the world, and we are quite willing to believe that the phenomenon will repeat itself with regard to Indian music also.

What we really need for the progress of music are well-organized schools of Indian music engaged in renovating the art of this country and making it more suitable for modern conditions. Such schools will have a position which radio will be ill-advised to ignore. Till such institutions come into existence experimentation in Indian music is bound to be chaotic and always liable to offend the traditionalist.

HEADQUARTERS

An excellent site for the new broadcasting studios at Delhi, which will also include accommodation for the whole headquarters staff, has been acquired in Parliament Street, New Delhi. The building itself has not, however, yet taken shape on paper. The architecture and design of broadcasting studios provide new and difficult problems in every country: in Delhi particular, where a fairly rigid system of planning and architecture has been observed, it is not easy to evolve a style which will suit and accommodate a very modern activity while avoiding any clash with such buildings as the Secretariat and the Legislative Assembly, of which broadening and architecture has been observed, it is not difficult to overhaul the present one and keep it going till then. Our Research Engineer accordingly went to Lahore recently in this connection, and some alterations have been made with satisfactory results. It is expected that before the middle of November the research work will be completed, and that the citizens of Lahore will be able to have a daily service this winter. It is hoped that exchange of programmes between Delhi and Lahore will also be possible in the near future.

But let not the Punjab expect too much. As the transmitter is only intended for a short period of service, it is not possible to carry out extensive alterations or increase its power considerably. The small sum available will have to be laid out carefully on bare essentials. And these are many.

ANOTHER "STUNNER"

A BAND of Lahore radio enthusiasts have been running a small transmitter at the Y.M.C.A. premises for some years. Recently they have had a number of serious breakdowns as most of the parts of which the equipment is made up were collected or constructed locally several years back and are beginning to feel their age. The station has nevertheless been giving a fairly good service in and around the city, and as it will be some time before the new AIR transmitter can be erected there it has been decided to have a daily service this winter. It is hoped that exchange of programmes between Delhi and Lahore will also be possible in the near future.

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Startles Radio World with exciting new inventions—Most powerful, long expanded high fidelity Receiver—

1. Sensational New Electric Saver.
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RURAL BENGAL

READERS will remember that early this year a scheme was approved for the demonstration of the reception of broadcast programmes...
in villages within a hundred miles radius of Calcutta. The Station Motor Van was suitably fitted out for touring purposes and, with an H. M. V. Community Model Receiver, toured the rural districts of Bengal for two months. At the end of February, the Midnapore Scheme was taken up, and by the beginning of April, fifteen receivers had been set up in villages in that district, together with all necessary equipment, and a battery charging plant at Midnapore.

Owing to the early rains this year, it was found impracticable to continue the service for long, and at the end of May, all batteries were taken to Midnapore for storage during the Monsoon.

Since then, however, the Station Director has not been inactive, and a great deal of further information has been collected in respect of the types of programmes most popular with the villages. From October 1st the receivers in the various villages have been re-erected and the service re-started. A new feature of the programmes now includes the two new series, "Along the Jessore Road" and "Amongst the Villagers," whilst with the co-operation of District Officers, local news of interest to particular areas will be obtained and broadcast for the benefit of listeners in those districts. Village Headmen will also be asked to visit Calcutta and talk over the microphone themselves.

It is hoped that the experience at Midnapore will induce the Government of Bengal to sanction the erection of further receivers in other rural districts, as the scheme promises to be of inestimable value to the Bengal cultivator, particularly in the middle and lighter weight champion ships of the rural districts, as the scheme promises to be of inestimable value to the Bengal cultivator, particularly in the middle and lighter weight champion ships of the rural districts.


The Indian Listener

October 22, 1936.

**Calculta's Orchestras**

The beginning of November will see the arrival of two new orchestras in Calcutta. Francisco Casanova and his Orchestra will relieve Pikler's Hungarian Orchestra at Firpo's, and the Grand Hotel have obtained the services of the Strauss Orchestra, who are coming from Colombo. Both these orchestras arrive with big reputations, and they will be "sold on the air" in weekly relays from these two places.

We must also take this opportunity of bidding farewell to Robert Pikler and his Hungarian Orchestra, who have made themselves extremely popular during their two years' stay in Calcutta, for they have broadcast regularly during this period. Their farewell concert will be broadcast from the Studio on November 1st.

Jack Holmes and his Popular Dance Band are also leaving Calcutta for Delhi. There they will be under the leadership of Harry Langham, well-known to Calcutta listeners as the once famous Pianist and Dance Band Leader at Firpo's from 1924-1934, and it is that probable they will be heard on the air from Delhi Station frequently.

**Gunboat Jack Again**

The meeting in Calcutta on November 6th of Gunboat Jack and Young Frisco, for the middle and light heavy-weight championship of India and the Far East, will be the most important Boxing Contest in that city since Seaman Hall met Gunboat Jack years ago. The critics who do not know it, Young Frisco is a Filipino, 22 years of age, and is probably the best man at his weight in the East. Gunboat Jack will probably contest this statement, so that the coming fight in Calcutta will have an added attraction, as it will decide the championship.

They have met twice before, at Singapore. On the first occasion, Young Frisco won on points.

On the second occasion, the decision was a draw. This was not a popular decision, the newspaper critics, and a large section of the public, being of the opinion that "Gunboat" had scored a clear-cut victory. Anyway between them Gunboat Jack and Young Frisco have "mopped up" every other man in their weight between Suez and Vladivostock, and the coming fight should be a treat to watch,—and to hear!

Calcutta Station will broadcast a running commentary on this fight, which will be relayed from the open air stadium, the commentator being L.G.E. Clarke.

**Bombay**

Features of the programmes from the Bombay station during the coming fortnight include a variety show presented by the well-known Bombay Amateur Dramatic Club and a descriptive programme called "Dufferin Calling" by the naval cadets of the I.M.M.T.S. Dufferin, both of which promise to be unusual attractions.

On the musical side, we welcome to the microphone Grace Belcourt, who has returned to India after a distinguished career at the Royal College of Music where she won the Associated Board Exhibition of the Royal College of Music for the violin.

**Changes**

To those of our listeners who either have written to us or are planning to write to us complaining of certain changes which are made in the published programmes of the BBC Empire transmissions, we would commend the following notice which is now appended to all the official advance programmes received by us from London:

"Changes in the programmes as published are sometimes inevitable. Details of such changes are incorporated in a special programme summary which is broadcast after the News Bulletins in each transmission every Friday."

Incidentally, whilst on this topic of programme changes, we would point out that at times it is impossible even in India to keep to the scheduled items. Listeners are assured that every effort is made when arranging the programmes to guarantee that there shall be no bitches, but with programmes worked out weeks, and sometimes months, ahead, it is inevitable that at times even the best-laid plans of Station Directors go awry. Announcements of all such changes are, however, made by the stations concerned and in the daily press as speedily as possible, and we therefore urge readers of this paper not to write to the Editor complaining of the "mistakes" in the programmes and warning him "to be more careful in future."

**RCA Car Radios double the joy of Motoring**

Model 5M Metal Tubes. A compact single-unit radio with 6" built-in electro-dynamic speaker and non-glare illuminated dial. Ample Volume, Tone Control Automatic Volume Control, Complete with 5 RCA tubes, Powertone and all accessories. Radio 10" long, 7½" high, 7½" wide.


**Bombay Radio Co. Ltd.**

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BRITISH AND COLLARO BEST
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For AC Rs. 210, for AC-DC Rs. 240.

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THE COLLARO RECORD CHANGER
SETS AN ENTIRELY NEW STANDARD
IN RECORD CHANGER DESIGN AND PERFORMANCES.

It plays 9”, 10”, 12” diameter Records mixed in any order
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combined with the employment of the renowned Collaro
Induction motor or Universal motor for Power and the Collaro
Type 36 metal arm Pick-up for perfect reproduction places this
new achievement on a plane far above the hitherto accepted
level of performance commonly attempted in similar
mechanisms.

The above combined with under-noted unique features make
the Collaro Record Changer the most brilliant achievement of
its kind.

SPECIAL FEATURES.
1. Simplicity of Loading.
2. Silent changing, mechanically precise and efficient.
3. The Pick-up is automatically biased into the first groove,
independently of whether machine is level or not. This
biasing is timed for two seconds only, which avoids any
side pressure on playing grooves of Record.
4. The Pick-up lifts vertically. There is thus no under-cutting
of Record grooves to cause damage. The records can’t
be injured in use.
5. Any Record may be rejected or repeated as desired.
6. The mechanism stops on completion of the last Record or
may be stopped at any time by pressing the “STOP”
knob.
7. Single Records may be played when required.
8. Minimum number of moving parts.
9. Each changer is completely tested and can be depended
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EASY to Fit—Quick to operate.

Sole Agents:
The Pramashaw Motor Co.
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is YOUR radio feeble?

Stop and think for a moment. When did you last change the valves
in your set? May be you don’t think they need changing. Well
listen carefully to the tone. Now try and get some of those distant
stations you used to hear so clearly—not so easy is it?
Better than all this, plug in a new set of valves and notice the differ­
ence! You will find you have once again a lovely clear tone and what
is more you will have increased the volume of those faint distant
stations enormously.

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'MINIWATT' VALVES

If you want Public Speech equipment, take the advice
of Philips. We shall be pleased to submit to you free
of charge an estimate—no matter how small or how
large “Philips” public Speech can do the job.

LET US QUOTE YOU.
FOR the first time in the history of civic disturbances in India, wireless played a prominent part in police work during the recent Bombay riots. This set of pictures shows the wireless vans and the operators (provided by the Royal Indian Navy), together with phases of the riots which were nipped in the bud as the result of many a wireless S.O.S. for help.

WIRELESS and the RIOTS

Picture No. 1 shows a police wireless car sending a message to various police stations when a godown was set on fire at Duncan Road. Pictures 2, 3 & 5 are close-ups of one of the wireless vans in the riot area.

Picture No. 4 is a unique view of a mob looting a shop just before police reinforcements were called by radio.

Picture No. 6 shows the wireless headquarters where operators from the Royal Indian Navy received and transmitted messages.
Along the Frontier

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

No. 3.—WAZIRISTAN—WAZIRS AND MAHSUDS.

By J. G. ACIESON, C.I.E.

WAZIRISTAN is about the size of Yorkshire or the District of Multan. The common ancestor of the people now known as Wazirs and Mahsuds is said to have been an ancestor of Wazik, who had two sons, Musa, now called Musa Nika or Grandfather Moses, whose tomb is a place of pilgrimage on the Wana border, and Mahsud. Musa was called Darwesh on account of his pious habits, and his descendants are the Darweshikhal Wazirs, or Wazirs for short, while Mahsud’s children are the Mahsud Wazirs, or Mahsuds for short. So both are strictly speaking Wazirs; but there are strong differences in character and appearance between the two tribes, and there may be a distinct racial strain in the Mahsuds. One tradition, indeed, attributes the origin of the present Mahsud to the Mahsud and Wazirs, or for short, while Mahsud’s children are the Mahsud Wazirs, or Mahsuds for short. So both are strictly speaking Wazirs; but there are strong differences in character and appearance between the two tribes, and there may be a distinct racial strain in the Mahsuds. One tradition, indeed, attributes the origin of the present Mahsud to the rape by the local inhabitants of a bevy of slave girls on their way to the harem at Kabul. The rape by the local inhabitants of a bevy of slave girls on their way to the harem at Kabul. The result is a form of extreme democracy amounting almost to anarchy. The Army is in normal times the big stick, and attempts to create a ruling class, let alone a single head or chief, seem doomed to failure. An important Pan-Mahsud jirgah runs to thousands. The two old Militias irregular formations under Government forces, the Mahsud raids on the Derajat (that is the Bannu and Dera Ismail Khan Districts of British India) resulted in the killing of 275 British subjects, the wounding of 186, and the kidnapping of 255. A military expedition in 1917, followed by the usual withdrawal, produced a reduction in these appalling figures, but with the outbreak of the Afghan War in 1919 the raiding menace passed all bounds. The Mahsuds and Wazirs simply helped themselves to what they wanted in the Derajat villages. There are over one hundred raids in the six months ending on the 31st October, 1919.

RAZMAK ESTABLISHED

FINALLY in 1919 Waziristan was entered by a column, consisting entirely of Indian troops, supported by the Royal Air Force, and ultimately at the heavy cost of 366 lives (including 28 British and 15 Indian officers) Razmak, near the heart of Mahsud country, was occupied by a permanent camp and the famous “Waziristan Circular Road” constructed. This road has since been supplemented by another connecting Razmak with Wana. These operations, carried out at a time of general war, weariness and under very great difficulties, must always rank as one of the outstanding achievements of the Indian Army.

Nowadays a visitor to Razmak camp sees a fine street of shops (several owned by Wazir and Mahsud tribesmen); a fine mosque built by joint subscription from the headmen of both these rival clans and prayed in by both; fine avenues of trees; well-laid-out gardens; a civil hospital; a forest nursery; and in the adjoining valley crops and houses where a few years ago was a wilderness. Then there is the road itself, the first fruit of military occupation and now the main artery of life, civilisation and prosperity in the country.

The Army is in normal times the big stick in the corner. The day-by-day work of policing and administrating the country is carried on by the Civil Government, represented by the Resident in Waziristan and the Political Agents of North and South Waziristan and their staffs. The two old Militias irregular formations under civil control were at the time of occupation reconstituted as the South Waziristan Scouts and the Tochi Scouts and at once set about the old work of patrolling the country, intercepting raiding gangs and generally performing the duties of mobile military police. The Scouts, who are all Pathans under British officers, are

INDIAN “ROB ROYS”

THE individual level of intelligence among the Mahsuds is exceptionally high. At the same time, the average Mahsud is intensely individualistic and jealous of admitting the superiority of others. The result is a form of extreme democracy amounting almost to anarchy. Any important agreement with the British authorities for his facts about the world’s celebrities for his biographical talks.

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IN A SERIES OF TALKS

A TRIO OF BOMBAYITES

who have become

REAL RADIO PERSONALITIES.

C. P. G. WAKE, a versatile speaker who simply raves in basic, and who is Bombay’s popular reviewer, as well as a frequent speaker on many topical subjects. E. J. Turner, Hon. Sec. of the W.P.A., who is so happy as a reviewer when commenting on football or hockey from the Corinthians Football Ground. W. W. Russell, who for the present is living in the past digging up interesting facts about the world’s celebrities for his series of inspiring biographical talks.
October 22, 1936.

Dr. Zakir Husain, Principal, Jamia Millia, Delhi, who is speaking on Current Events on the 9th November.

The Indian Listener

The blood-feud has its economic aspect, for it involves the possession of rifles and each rifle bought means so many the less rupees to spend on agricultural development, on education, and the other things that go to raise the status of a primitive people. Apart from cost, the physical discomfort of carrying a rifle on all occasions is great and it is a grievous handicap in agriculture and all other forms of industry. The Wazirs and Mahsuds indeed, especially the Mahsuds, present in miniature the picture of a nation bowed down, and its economic development hampered, by the weight of armaments. Nor do they enjoy the temporary palliative of being the manufacturers as well as the purchasers of their own arms.

Towards Disarmament

TOWARDS DISARMAMENT

Dr. Zakir Husain, Principal, Jamia Millia, Delhi, who is speaking on Current Events on the 9th November.
grounds by motor-lorry,—men, women, children, fowls, goats, fodder, potters and pans, all squeezed together in an indescribable medley. Rifles are infernally uncomfortable on these occasions and nearly as much so on a journey by public "bus." On the other hand, mechanisation has apparently now come to stay in tribal warfare, and motor lorries are not infrequently employed to transport tribal lashkars, or armies, on their way to the battle-field in those areas where Government still leaves them to settle boundary or other disputes in the old-fashioned way.

The blood-feud and consequent possession of lethal weapons is a consequence of tribal customary law, and in this Government generally does not interfere. But much is being done by the peaceful settlement of feuds at the request of the tribes themselves. The interests of the people are also being diverted into healthier channels by the distribution of improved seed and of fruit trees and by assistance in irrigation works. The Civil hospitals, too, are a most civilising influence, especially the hospital at Miranshah, where as well as Wazirs thousands of Afghan tribesmen from across the Durand Line are received annually.

And to go deeper, there is education. The Wazir is sceptical about education, but rightly or wrongly the Mahsud is a firm believer in it. There are now 1,043 Mahsud, Wazir and other tribal boys attending 19 schools in Waziristan and 27 boys with scholarships outside it. Female education too has one small but determined representative, for the Gurikhel Mahsud Jirgah the other day, called to answer for certain misdeeds, seriously disconcerted the Political Agent, a seasoned and experienced officer, by demanding a scholarship for the future education of a young lady of theirs who had succeeded in working her way to the fourth class of the local primary boys' school without drawing the attention of authority on herself. Possibly the women may yet, as elsewhere in the world, prove the deciding factor in Waziristan.

RCA AERIALS

DEMARKABLY HELP ALL-WAVE RADIO RECEPTION.

RCA SPIDER-WEB ANTENNA. No. 9685.
1. A complete antenna network assembled with transformer, insulator and line.
2. Two specially designed hangers for attachment and paper spacing of antenna wires.
3. Seven special attachment links for attaching antenna and suspension wires to hangers.
4. Antenna Receiver Coupling Transformer having two terminals for attachment of transmission line and two terminals with links for attachment to receiver.

RCA Antenna Kit Type RK 40 Stock 9631.
1. Antenna Assembly comprising:
   (a) Antenna Wire Coil 19 feet long with Strain Insulator attached.
   (b) Antenna Wire Coil 45 feet long with Strain Insulators attached.
   (c) Transmission Line Coil of special two inductor insulated cable 75 feet long.
   (d) Hermetically Sealed Junction Box to which the two antenna wires and the transmission line are connected.
2. Receiver coupling Unit with two links for attachment to "Ant." and "Gnd." terminals or clips on radio receiver.
3. Two Nails or Porcelain Lead-in Insulators for carrying transmission line on side of building or other supporting surface.
4. Porcelain-tube Lead-in Insulator for entrance of transmission line into building.
5. Ground C clamp for attachment of ground wire to water pipe or to stake driven 5 to 8 feet into the soil.

BOMBAY RADIO COMPANY, LIMITED

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Perhaps you get it on your Radio but do you get it in the way you can on Wards "AIRLINE" Radio?

This makes all the difference.

You are invited to compare the "Airline" in a side-by-side Performance with any other Radio at any price—under any conditions.

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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.
Mrinlal Kanti Ghosh, a Bengali film star who will be heard from Calcutta on Nov. 15th.

This is a typical study of Robert Schwarzenberger, who is booked to give a lunch-time recital from the Calcutta Station on Nov. 9th. He is one of that growing body of musicians who are proving that Indian radio CAN produce "good" music.

It is particularly encouraging to note that Indian radio stars are rapidly becoming attracted to broadcasting. In the early days of radio in India it was freely declared that there would be bitter rivalry between broadcasting and the cinema, but it is now becoming clear that in India, as in all other countries, there can and must be the greatest co-operation between these two great forms of public entertainment.

And here is Hariniy, another popular film star who has been captured by the Calcutta broadcasters. She will sing on November 1st.

This is Suresh Chandra Chakravarty, who will broadcast a talk on Indian Music (from Calcutta) on November 5th.

Bombay has become well known for its "string" concerts. Here we have Edna Windsor, a popular guitarist who has done a great deal towards organising these "plectrumists."

Educationists are becoming more and more attracted to the microphone—much to the benefit of broadcasting. Mr. C. B. Young, shown above, who is head of the English Dept. at Delhi University, recently discussed from Delhi the very intriguing question as to whether examinations are a lottery.

A glance at the above pictures, as well as a survey of the detailed programmes in these pages, will show that even the most popular film stars seem to find as much pleasure in facing the microphone as in facing the camera. Bombay and Calcutta, of course, have a fine reservoir of talent from which to draw, although Delhi is slowly but surely attracting film artists from the north of India. May the good work go on!
RUPEES

23,000

MUST BE WON

IN

"COMMONSENSE CROSSWORD"

No. 67

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"THE ILLUSTRATED WEEKLY OF INDIA" OF OCTOBER 18th OR 25th.

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THE MASTER RADIO

THE STANDARD OF EXCELLENCE

MODEL X20-U

This popular A.C./D.C. set has six valves—an H.F. super with protector stage and Octode valve. It incorporates all the latest refinements. Marvellous reception on 13.5-39 metres, 39-95 metres and 198-570 metres. Intermediate frequency 115 kc/s. Suitable for 110 to 220 volts A.C. or D.C. Rs. 340 only.

MODEL X-20A (A.C.)

We have seen that wireless waves are electrical disturbances or vibrations in the ether set up by electric currents flowing in a wire or wires, called the aerial, at the transmitter. It seems natural to suppose, therefore, that these disturbances in the ether will produce corresponding electric currents in any wires which they encounter in their passage throughout space. We are able to convert these ether vibrations back into their original form of electrical vibrations along wires by erecting an elevated wire or receiving aerial in which these are produced. They can then be led along further wires and dealt with as necessary to convert them into the corresponding sound waves of the same nature as those which produced the original electrical vibrations in the microphone circuit.

TUNING THE AERIAL

It is fairly obvious that if the dimensions of the receiving aerial are only small compared with the wavelength of the waves to be received, the currents induced in the aerial will not be so great as they would be if the dimensions of the aerial were comparable with the wavelength. We saw the necessity for using long aerials at the transmitter if waves of low frequency or long wavelength were to be radiated easily. The same reason applied in connexion with the receiving aerial.

Maximum current will be produced in the receiving aerial when the latter is in tune with the transmitting aerial or, as we say, tuned to the frequency of the waves to be received. This is a similar case to the tuning of musical instruments. If a violin or piano string is set in vibration to produce sound waves, a similar string tuned to the same note will also be set in vibration if these waves reach it. The same effect as before is obtained by using tuning forks.

A long string is necessary to respond to a note of low frequency, and a short string to respond to a high note. It is well-known, however, that a thick string tuned to a lower note will respond to a higher one. Or, in other words, a short pendulum will swing faster than a longer one unless we add a heavier weight to it. These examples give us a clue to what is required in a receiving aerial. We can adjust the length of the wire to make it tune to the required frequency, or we can add something to it to alter its electrical characteristics for the same purpose.

It is obviously impracticable to erect an aerial which will have a length anything like the wavelengths used for long-wave broadcasting. Such wavelengths are in the neighbourhood of 1,100 metres, or about 3,500 feet. On short waves, however, say of 50 metres wavelengths (too long approximately) the problem is not so difficult, and it is possible to erect aerials having dimensions comparable with these wavelengths.

The problem is further complicated by the fact that it is seldom that a receiving aerial will be used for the reception of waves of only one wavelength. We are, therefore, faced with the necessity for providing some means of adjusting the tuning of the aerial if we are to receive signals at will from different stations. And, further, we desire to do this only at a time, so we must make sure that our tuning is sufficiently sharp to prevent interference from unwanted stations.

TUNING CIRCUITS

It is not essential, however, that the aerial itself should respond only to one frequency at a time. Provided the strength of the currents of the particular frequency we want is sufficiently great compared with the strength of currents produced by other stations of different frequencies, we can get rid of the unwanted currents by employing circuits in the receiving apparatus which permit the passage of currents of the desired frequency only. In other words, these circuits are tuned to the desired frequency. They are in effect aerials of the desired wavelength connected into a circuit and so arranged that they are influenced by wireless waves, but permit the passage of electric currents of the particular frequency to which they are tuned when they are connected to the aerial or other circuit in which such currents are already flowing.

These tuned circuits can be composed simply by the necessary length of wire coiled up to form what is called an inductance coil, and all or part of such coils can be used by providing connections at various points on the coil so that different lengths of wire can be used to tune to different wavelengths. The necessary sharpness of tuning cannot usually be obtained, however, by such an arrangement, and it is customary to employ in addition what is called a condenser.

Any pieces of metal placed close to each other are capable of storing electricity, and their capacity for doing this depends on their dimensions and the distance they are apart. A length of wire possess this property as it is composed of a whole series of pieces of metal between each of which this capacity exists. It is evident, therefore, that if our receiving aerial or tuning inductance is not of the right dimensions to tune to the required wavelength, we can add the necessary amount of metal surface in the form of metal plates placed close to each other. By adjusting the distance between such plates we can vary the capacity between them and so alter the tuning of the circuit. It is customary, therefore, to employ a fixed length of wire in the form of an inductance coil for each wave-length covered by a receiver and to adjust the wavelength throughout that range by means of a condenser in which the distance between its plates can be varied.

In order to tune the aerial, the additional inductance coil or condenser, or both can be added at the middle of an elevated wire which forms the aerial, by running wires from them to a break in the middle of the aerial. This arrangement is often used on short waves. On longer waves, however, the surface of the earth is used as part of the aerial, and the tuning circuit is connected between the bottom end of the aerial wire and the ground. The surface of the earth is a partial conductor of electricity and therefore adds to the effective length of the aerial. It is, of course, important that there should be good electrical contact between the tuning circuit and the ground, or the flow of the electric currents will be impeded.

Similar arrangements are employed at the transmitting station in order to tune the transmitting aerial to the frequency of the waves to be radiated, so that maximum current is produced in the aerial, and maximum disturbance created in the surrounding ether.

RECEPTION OF SIDEBANDS

We have already seen that when the strength of the transmitted carrier wave is varied by the microphone currents when a programme is being radiated, additional waves are produced the frequencies of which extend over a band of perhaps 10,000 cycles per second each side of the carrier frequency. The receiving aerials and circuits must therefore respond to or be able to tune with these frequencies as well as that of the carrier frequency. These circuits, therefore, must not be so sharply tuned (or selective) that they fail to respond to these frequencies, or the programme will not be faithfully reproduced. On the other hand, they must be sufficiently sharply tuned to have negligible response to waves transmitted by other stations, or interference will occur.

The electric currents produced in the aerial and tuning circuits of a receiver are of the same nature as those present in the transmitting aerial,—i.e., they are of high frequency,—and are not suitable for direct conversion into low-frequency sound waves corresponding to those in the studio. It is necessary for them to be converted first into currents of low frequency similar to those present in the microphone circuit, before they can be so employed. They can, however, be amplified if necessary before this operation takes place.

The last article in this series will be published in next issue.

FEATURES INCLUDE:

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- Detailed Technical Reviews of Commercial Radio Receivers
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TRANSMISSION I.

**VU 343.13 metres, 822 kc/s.**

8-0 **Indian Music.**

9-0 **Talk (Hindustani):** "Cooking for Pleasure." No. 9 Indian Jams. By Kamla Ladaw.

10-0 **AIR Orchestra.**

11-0 **Talk (Hindustani):** "Softly awakes my heart." Sponsored by the India Sunday School Union.

**VU 350.9 metres, 855 kc/s.**

1-00 **A Variety Programme.** By Khan Sahib Bunkad Hussein Khan. "My Life." Song recitals. Sitar with Jalalat.ling.

**VU 370.4 metres, 810 kc/s. 49.10 metres, 6,109 kc/s.**

8-30 **A Poppy Day Appeal.** By Mrs. S. J. P. Scobell (President, Ex-Services Association of India.)

9-45 **The News in English.**

10-0 **Light Classical Music.** By Sarwanand Fathekar. With Sarangi, Harmonium and Tabla.

11-0 **Close down.**

**VU 370.4 metres, 810 kc/s. 49.10 metres, 6,109 kc/s.**

8-30 **Time Signal.**

9-45 **Religious Song.** By Uttara Devi.

10-30 **Modern Hindi Song.** By Amiya Sircar.

11-0 **Song from Popular Film.** By Doris Doll.

11-30 **Time Signal. Close down.**

**BOMBAY**

**p.m.**

5-30 **Talk (Hindustani):** "The Vanishing Past." No. 8 Literary Gatherings. By Miss Mohammad Askari.


9-15 **2nd News and Weather Report (Hindustani).**

9-30 **Time Signal.**

9-45 **Talk (English):** "Along the Frontier," No. 9, Chitrak. By Captain Sajjasada Nasirul Muluk. Relayed from the Peshawar Broadcasting Station.

10-0 **Peter Mendoza and his Orchestra.**

10-30 **AIR Orchestra.** Relayed from the Afghan Memorial Church, Colaba. With Sarangi, Harmonium and Tabla.

**Close down.**

**VU 370.4 metres, 810 kc/s. 49.10 metres, 6,109 kc/s.**

8-30 **Time Signal.**

8-40 **Instrumental Music.** By the Betar Orchestra. Conducted by Tarkan Natr Nat.

8-46 **Religious Song.** Bhavnani Das.

9-0 **Modern Bengali Songs.** By Ambeshai.

9-36 **The Betar Orchestra.**

9-46 **Bhajan.** By Indubala.

10-0 **Kirtan.** By Harimati.

10-26 **Kheyal.** By Jasendran. Bhagwani Das.

10-46 **Review: "Stage and Screen."** By Spectator.

11-0 **The Grand Hotel Orchestra.** SB. Relayed from the Palm Court.

11-40 **The News in English.**

**p.m.**

11-30 **A Relay from the Wellington Cinema.** (By kind permission of the Management.)

1-00 **Ken Mac and His Orchestra.** (Introducing Popular Dance Numbers.)

2-00 **Close down.**

3-00 **Powadas.** By Shams B. B. Muchate.

5-15 **Talk (Hindi):** "Purdha Ladies," No. 2. By Fatima Begum.

5-30 **Hawaiian Guitar Solos.** By Jai Rajnara Singh.

5-45 **Hindustani Songs.** By Roshanalli of Hyderabad. With Sarangi, Harmonium and Tabla.

6-30 **Evensong.** Relayed from the Afghan Memorial Church, Colaba.

7-00 **Orchard.** By Scholars of the Thoburn Methodist Sunday School.

7-45 **Hindustani Songs.** By Saraswathi Fathekar. With Sarangi, Harmonium and Tabla.


8-15 **Talk (Hindustani):** "Softly awakes my heart." Sponsored by the India Sunday School Union. By Scholars of the Thoburn Methodist Sunday School.

8-20 **Church Service.** By Dr. A. K. Sen, Director of Public Health Laboratory, Bengal.

8-25 **Religious Song.** By Uttara Devi.

8-35 **Modern Bengali Song.** By Amiya Sircar.

8-40 **Song from Popular Film.** By Doris Doll.

8-45 **Talk (Hindi):"Softly awakes my heart."" By L. G. E. Clarke.

9-00 **Robert Pilder and his Hungarian Orchestra.** SB. (Farewell Concert.)


ANNOUNCEMENT

Radio Colonial Programmes

We regret that once again the delayed arrival of the air mail has been responsible for the non-receipt of the Radio-Colonial Programmes for November, and we have been reluctantly compelled to go on press without publishing them, although we had been promised to do so for October 26, 1936.

All Times are given in Indian Standard Time.

1057
**Monday, 2nd November**

**P.M.**


6-10 Sayyad Barkat Ali. Lagi rathat Khwaja Mainuddin—Thumri Puriya. "Achhe lbe ho mainze ka khalil abha hai Ham mare jai hain tum pschho bo hal ooha hai.

6-30 Malan Khan. Kedara on Sitar.

6-40 Navab Jan Rampuri. Thumri Darbari.


7-0 "For Villagers Only." (Deli Market Rates at 7-30 p.m.).


8-15 "Sab Hain Balak et Pita ke." (A song from the Mahabharat.) By AIR ARTISTS.

8-25 Sayyad Barkat Ali. "Naa naye sammij dital k" (Tenor). "Paglai Cacchi." (Hindustani.) By AIR ARTISTS.


9-30 Time Signal.


11-0 Close down.

**C A L C U T T A**

VUC 370.4 metres, 810 kc/s. 31.36 metres, 9565 kc/s.

**P.M.**

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

11-45 Talk (English). "In the footsteps of Shirajy." By Miss Mary Hill.

9-45 The News in English.

10-0 A Light Orchestral Programme. SB By the Radio Salon Orchestra.

(The new Orchestra—under the direction of Mr. R. J. Adair—will be on the air sometime later in the month, will broadcast a variety of popular music.)

11-0 Close down.

---

**A Selection of Indian Music.**

**MANJRA GURA VIJAY**

Jagda Taki Mandoli—Garba, Gekha.

BALE TAHAR

Bale Taki Dursham—Padha, Saras.

HABIB BARGADEER

Tata Paddy Salaleh—Bagharia Mirah, Bhamo.

SULYAMUR DEGAY

Yodhara Ali Bhol—Bhamo, Sahari.

MOHAMED BAKHET

Bidat Nidan Trak—Gazal.

IMADUR RAUF

Meer Dillan Kakkha.

KHALIL RIANI

Ghamra, Garba.

MOHMD RIAH

Mishrading—Garba, Garba.

MOHMD RAUFI

Saeed Ali Dholi—Garba, Garba.

MOHMD RAHMAN

Rahman Ali—Garba, Garba.

**Available Market Rates.**

VUC 350.9 metres, 855 kc/s. 31.36 metres, 9565 kc/s.
TRANSMISSION 6.
GSD 11.75 Mc's (25.53 m). GSC 9.58 Mc's (31.32 m).
9:30-10:00 Big Ben. A Short Religious Service.
10:00-10:30 The Hanwell Silver Band.
10:30-11:00 "Sea Power No. 4. The Protection of Shipping in Time of War."
11:00-11:30 A Recital by the Amstad Sisters.
11:30-12:00 Great Singers of the Past.
12:00-12:30 Weekly Newsletter.
12:30-1:30 Greenwich Time Signal at 12:30 a.m.

TRANSMISSION 1.
5:45-6:00 Big Ben. Fred Hartley and his Novelty Quintet.
6:00-6:15 A Banjo Recital.
6:15-6:30 Science Talk No. 4.
6:30-6:45 Number, Please.
6:45-7:00 The story of the telephone. Designed and produced by Pasco Thomson.
7:00-7:15 The News and Announcements.
7:15-7:30 Greenwich Time Signal at 7:15 a.m.

TRANSMISSION 2.
2:00-2:15 Big Ben. "Dye Ken John Peel?"
2:15-2:30 A Light Orchestral Programme.
2:30-2:45 Empire Exchange.
2:45-3:00 Haydn Heard and his Band.
3:15-3:30 The News and Announcements.
3:30-3:45 The BBC Dance Orchestra.
3:45-4:00 Sports Summary and Announcements.
4:00-4:15 Close down.

TRANSMISSION 3.
2:30-2:45 Big Ben. "Lovely Ride."
2:45-3:00 Coon Songs.
3:00-3:15 Number, Please.
3:15-3:30 The story of the telephone. Designed and produced by Pasco Thomson.
3:30-3:45 Ballard Concert.
3:45-4:00 Sonata Recital.
4:00-4:15 Dance Music.
4:15-4:30 Close down.

TRANSMISSION 4.
From 10:45 p.m. to 12:30 a.m.
GSI 15.26 Mc's (19.96 m). GSC 15.26 Mc's (19.96 m).
GSI 15.26 Mc's (19.96 m). GSC 15.26 Mc's (19.96 m).
From 12:30 a.m. to 2:45 a.m.
GSC 15.44 Mc's (19.82 m). GSC 15.44 Mc's (19.82 m).
GSC 15.44 Mc's (19.82 m).


NEW MUSIC French programme (Tenor).
5:45-6:00 New Month announced.
6:00-6:15 News in English.
6:15-6:30 Music French programme.
6:30-6:45 New Voices at the Microphone.
6:45-7:00 News and Economic Review in English.
7:00-7:15 Talk on sports by C. J. Grottou.
7:15-7:30 Dance music.
7:30-8:00 Close down.

ITALY (Rome).
Wavelength 25,40 and/or 31,31 Metres.
5:15 p.m. Variated programmes. 6:45 p.m. Concert: Talk: "Women's day: Charm in strength."
7:30 p.m. News in Italian. Concert of music in Italian composers. Talk: "The Alburna d'Abba zone plan." by Cesare Valeri. 10:00 p.m. Sacred music by Italian composers. Sport news. Latest news. 11:10 p.m. Concert of Arabian music.

The photograph of the BBC building in the headings of these Empire programmes is being used by the courtesy of Mr. D. R. D. Wadia of Bombay, who kindly supplied it to us for that purpose.
**Tuesday, 3rd November**

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

**A.m.**

- **9.0** Time Signal
- **9.15** AIR Orchestra. Shudh Bilawal
- **9.45** Muhammed Shahi of Delhi. Thumri Jankar
- **10.0** Jagiri Bai
- **10.30** Close down

**TRANSMISSION II.**

- **12.30** Time Signal
- **12.30** AIR Orchestra. Man kia Sarang
- **12.45** Muhammed Shahi of Delhi. Thumri Sarang Bindrakuri
- **1.0** Hamid Husain Muradabadhy
- **1.20** Jagiri Bai
- **1.30** A Variety Programme. (Recorded)
- **1.45** Time Signal
- **2.00** Sarangi Solos by Bhanu Kishan
- **2.30** Close down

**TRANSMISSION III.**

- **5.0** Time Signal
- **5.15** 1st News and Weather Report (English)
- **5.10** 1st News and Weather Report (Hindustani)

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**VUD 340.13 metres, 882 kc/s.**

**p.m.**

- **5.30** AIR Orchestra. Gauni
- **5.45** Hamid Husain
- **6.00** Muhammed Shahi of Delhi
- **6.15** Jagiri Bai
- **6.30** Talk (Hindustani): "For Villagers Only." (Recorded)
- **6.45** Time Signal
- **6.45** AIR Orchestra. Bhitai
- **7.00** 2nd News and Weather Report (English)
- **7.15** 2nd News and Weather Report (Hindustani)
- **7.30** Commercial News and News in Hindi.
- **7.45** Talk (English): "Women of Antiquity" No. 2. (Recorded)
- **8.00** Commercial News.
- **8.30** Sarangi Solos by Rajanish
- **8.45** Talk (English): "The Good Green Acres of Home." By K. D. Mischni Bhandari
- **9.00** 2nd News and Weather Report (English)
- **9.15** 2nd News and Weather Report (Hindustani)
- **9.30** Commercial News and News in Hindi.
- **10.00** Commercial News.
- **10.15** Talk (English): "Food and Health". By S. L. Das.
- **10.45** Time Signal
- **11.00** Close down

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

**p.m.**

- **12.36** Time Signal
- **12.36** "The Columbia Light Opera Company. In a Selection of Vocal Melodies.
- **12.51** Orchestral Music.
- **1.36** Talk: "The City: its Obligation Towards the Villages." By V. K. Dungee, Relayed from the Rotary Club.
- **2.00** Time Signal
- **2.00** "The City: its Obligation Towards the Villages." By V. K. Dungee, Relayed from the Rotary Club.
- **2.30** Talk: "Women of Antiquity" No. 2. (Recorded)
- **3.00** Time Signal
- **3.00** Commercial News
- **3.05** Letters and Riddles
- **4.00** Time Signal
- **4.00** Commercial News and Weather Report (In Bengali)

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All Times are given in Indian Standard Time.
Tuesday, 3rd November

p.m.
2-25 The News and Announcements.
Greenvitch Time Signal at 2-30 p.m.
2-45 Close down.

TRANSMISSION 2.
GSH 21.47 Mc/s (13.97 m.), GSF 15.14 Mc/s (9.82 m.)
p.m.
A weekly review of things at Home. Edited by Pascoe Thornton.
5-2 Violin Solos by Sigeti.†
5-10 Coronel and Falkland Islands.†
A feature programme on the subject of the battles fought during the Great War at Coronel and Falkland Islands. Script by 'The Tailor.', produced by Louis Chaute.
6-0 The Northern Ireland Brass Band.
6-30 The News and Announcements.
6-50 Musical Comedy Memories.†
7-15 Close down.

TRANSMISSION 3.
GSH 21.47 Mc/s (13.97 m.), GSF 15.14 Mc/s (9.82 m.)
p.m.
7-30 Big Ben. "Foreign Affairs."†
A talk by Sir Frederick Whyte, K.C.S.I., L.L.D.
7-46 A Short Recital.
8-0 Geiger and his Orchestra.
From Christie's, London.
8-20 "The Beloved Vagabond."†
A musical play founded on the novel by W. J. Locke. The cast supported by the BBC Chorus and the BBC Empire Orchestra (Author: Daniel Macall). under the direction of Eric Grie. The play adapted for broadcast by George Glass and produced by William MacLor. Africa and the Indian Ocean. The news from Asia. The news from the Mediterranean. The news from the Middle East. The news from China.
9-20 The Torquay Municipal Orchestra.
Greenvitch Time Signal at 9-30 p.m.
10-0 The News and Announcements.
10-20 The Philip Whitley Ensemble.
Mickey's "The Magic Mirror: Melody in Purple" (Kennedy Russell). Bars in the Boat (Kate Mayfield).
10-30 Close down.

TRANSMISSION 4.
From 10-45 p.m.—2:30 p.m.
GSH 15.26 Mc/s (19.26 m.), GSF 11.75 Mc/s (25.53 m.)
p.m.
3-0 Close down.
GSH 15.14 Mc/s (19.82 m.), GSF 11.75 Mc/s (25.53 m.)

p.m.
A weekly review of things at Home. Edited by Pascoe Thornton

11-17 Haydn Fawcett and his Orchestra.
Waltz, Gold and Silver (Ludwig). Serenade to a Rag Doll (Hoffman). Cannon (Assidu).

11-30 The News and Announcements.

11-50 "Foreign Affairs."†
A talk by Sir Frederick Whyte, K.C.S.I., L.L.D.

a.m.
12-5 A Recital.
By May Hey (Soprano).
12-30 "Street Symphony."†
Another programme of music from the streets of London. Arranged by S. E. Reynolds and Pascoe Thornton.

12-55 A Programme of New Gramophone Records.
1-30 Van Phillips and his Dance Orchestra.
2-0 A Recital.
By Peter Dawson (Australian Bass-baritone).
2-30 The News and Announcements.
2-50 Science Talk No. 5.
3-10 Marches and Waltzes;†
"The Beloved Vagabond."†

Close down.

GERMANY (Berlin)
DJA 31 38, DJQ 1963, DJS 31 45, DJE 16 89.
10-40 a.m. Entertainment Hour. 11-45 a.m. Entertainment Hour (contd.). 12-30 p.m. News and Economic Review in English. 12-45 p.m. Today in Germany. Sound Pictures: 1-0 p.m. "With Music through the World!" 2-15 p.m. Hitler Youth Programme: BDM: From 4-4 in a Kindergarten. 2-30 p.m. Solo Concert: Christs Richter. 3-15 p.m. Little German Reader. 3-30 p.m. Gay Songs. 3-45 p.m. Close down.
4-30 p.m. Concert of Light Music. 5-30 p.m. News in English. 5-45 p.m. Concert of Light Music (contd.). 6-45 p.m. We announce the New Month. 7-30 p.m. News and Economic Review in English. 7-45 p.m. Today in Germany. Sound Pictures: 8-0 p.m. A little German Reader. 8-15 p.m. Music and poetry; What on Earth equals the Life of a Hunter? 9-0 p.m. Prelude and Fugue for the Left Hand in August Weyerer. 9-15 p.m. Chinese Songs. 9-30 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: "Adina Abah's first Italian hours" by Cassoglia Botta, Governor of Rome. 7-30 p.m. News in English. Concert by the Italian chamber music Trio. Duets by Vera Scintii and Madusa Capponi. Concert by Vera Ghibellini Belmondo. 10-00 p.m. Selections from operettas. Prelude rendered by Massimo Felice Redolfi. Sport news. Latest news. 11-10 p.m. Concert of Arabian music.

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All Times are given in Indian Standard Time.

1061
Wednesday, 4th November

10-30

Daim Husain.

"Beqas-e-zubaba kushon ko tawabi-raddah hast ab ho.
Agar sa zeri-imeerab-ka-ahum-abtu-qatil ho."

Malang Khan.

Home in Kandua on Sitar.

Lachhi Ram.

Khalil Alaka Kandi. 

Benazir Bai.

"Tin torchi nazar ka tair hai muskhi 8 se niklega.
Dil da sath niklega ajgar ye dil se niklega."

Daim Husain.

"Khwab husani-ar-quadrat ne munmay rang-i-irkam ko
Sarkar-namaad-xa-ba-khosa maraj-i-riqam 8on ko."

Benazir Bai.

"Mundari mori kai ko chuhiwe thiikriw.
AasthCHEMY.

7-0

For Villagers Only.

(Delhi Radio Rates at 7:30 p.m.)

8-9

Talk (Hindustani) :

"The Indian Farmer." No. 2.

In the U.P.

By Naxar Sir Muzammillah Khan.

9-15

A Chorus from the "Mahabharat."

By AIR ARTISTS.

"Zahabi jahan ke mante yeh keise tikhe piyari.

9-25

Mohammad Rafiq Ghaznavi.

"Zikr i ubar a jagae."

11-0

A Selection of Indian Music.

By AIR ARTISTS.

"Hindustani.

Time Signal.

11-45

Talk (English) :

"Life among the Industrial Workers.

By AIR ARTISTS.

"Nadi Gupta Ved Pragat.

12-00

Close down.

VUCL 350:9 metres, 855 kc/s.

Time Signal.

By AIR ARTISTS.

"Lilac eyes.

VUC 370:4 metres, 810 kc/s. 49.10 metres, 6, 109 kc/s.

Time Signal.

By AIR ARTISTS.

"Lilac eyes.

VUC 370:4 metres, 810 kc/s. 49.10 metres, 6, 109 kc/s.

Time Signal.

By AIR ARTISTS.

"Lilac eyes.
Wednesday, 4th November

9 a.m. - 10 The News and Announcements.
Greenwich Time Signal at 9.15 a.m.

10 a.m. - 12.30 Transmission 1.

12.45 Big Ben. Chamber Music.

1-30 "Foreign Affairs."

1-45 "Empire Magazine."

2-15 Dance Music.

2-25 The News and Announcements.

Greenwich Time Signal at 2.30 p.m.

4-15 Close down.

TRANSMISSION 1.

GSO 15.18 Mc/s (19.76 m.), GSC 9.54 Mc/s (31.55 m).

p.m.

12-45 Big Ben. Chamber Music.

1-30 "Foreign Affairs."

1-45 "Empire Magazine."

2-15 Dance Music.

2-25 The News and Announcements.

Greenwich Time Signal at 2.30 p.m.

4-15 Close down.

TRANSMISSION 2.

GSI 21.47 Mc/s (31.97 m.). GSC 15.14 Mc/s (19.82 m.).

p.m.

1-45 Big Ben. Sidney Torch, at the Organ of the Regal, Edmonton.

4-45 "Foreign Affairs."

5-0 Charles Manning and his Orchestra.

5-50 "Street Symphony."

6.0 Troise and his Mandolinists, with Don Carlos.

6-30 The News and Announcements.

6.50 An Organ Recital.

10 Envoi.

1-15 Close down.

TRANSMISSION 3.

GSI 21.47 Mc/s (31.97 m.). GSC 15.14 Mc/s (19.82 m.).

p.m.

1-45 Big Ben. "Tommy Tune's Tours." No. 2.

7-52 Songs by John McCormack (Tenor).

8-5 "Empire Exchange."

8-20 The Friary (Guilford) Band.

9-0 A Pianoforte Recital.

9-20 The Wynsons Reynolds Orchestra.

9-30 Grenewich Time Signal at 9.30 p.m.

10.00 The News and Announcements.
10-20 Light Orchestral Music.

10-30 Close down.

TRANSMISSION 4.

From 10.45 p.m. to 2.30 a.m.

GSI 15.14 Mc/s (19.82 m.). GSD 11.75 Mc/s (25.53 m.).

GSI 9.51 Mc/s (31.55 m.).

From 2.30 a.m. to 4.15 a.m.

GSI 15.14 Mc/s (19.82 m.). GSD 11.75 Mc/s (25.53 m.).

GSI 9.51 Mc/s (31.55 m.).

10-45 Big Ben. " Food for Thought."

Three short talks on matters of topical interest.

11-7 The BBC Dance Orchestra.

Directed by Henry Hall.

Greenwich Time Signal at 11.30 p.m.

11-30 The News and Announcements.

11-50 A Recital of Irish Songs.

By Arthur Jay (Soprano), Molly Bone (Trud., srt. Liddle), Tydings' Farewell to Kathleen (Lady Dufferin), The Green Isle of Erin (J. L. Bowdler), You'll Better Ask Me (Liddle), The most Market Day Jarr (Herbert Hughes), Down the Deep Shelly (Herbert Hughes), Kitty of Catwells (Trud., srt. Herbert Hughes).

The Garden where the Praisers Grew (Liddle).

a.m.

12-10 Variety.

12-30 The Alfredo Campoli Trio.

12-50 "Number, Please."

Train of thought of the telephone. Designed and produced by Pascoe Thornton.

1-30 A Recital.

By George Parker (Baritone).

1-45 The BBC Symphony Orchestra.

2-50 The News and Announcements.

3-10 "Empire Magazine."

Greenwich Time Signal at 3.00 a.m.

3-40 Musical Interlude.

3-45 "Empire Exchange."

4-0 Dance Music.

4-15 Close down.

* Electric recording.  † Gramophone records.
Thursday, 5th November

p.m.
5-55 Malang Khan. Gauri.
6-5 Sadig Ali. "Us shohkh ne nigah na ki haan bhi chup rehe. Haan ne bhi ah sh ah na ki haan bhi chup rahe." (Hafeez)
6-40 Gulam Sabir. Khamajam on Sarasaj.
6-47 Sadig Ali. "Dil hi apna maakadhal dil ma-i-jarihohi hoi Dil hi jao dil di sughar dil di badhal mish hiv." (8-0)
7-0 "For Villagers Only." (Delhi Market Rates at 7-30 p.m.)
8-0 Talk (Hindustani). "Where Does It Come From" No. 2. Text by ATULLAH BUTT.
8-35 P. S. Mukerji. Sandura on Sawad.
10-0 "Plantation Songs and Hawaiian Melodies." By THE ALBION CHOIR. Assisted by EDGAR MIDDLECOTE. Banjist.
10-05 Close down.

12-30 Talk: "First Wireless Message." By JANTRI SANGHA. Organized by Panchanan Mukherjee.
12-45 Talk: "For Villagers Only." By ASIT SEN.
12-45 Talk: "Underneath the Palms." By KALYANI, DAS GUPTA.
12-50 Talk: "A night in Granada - Little Sleepy Eyes." By JANTRI SANGHA.
12-55 Talk: "A Musical Programme."

11-0 Talk: "Plantation Songs and Hawaiian Melodies." By THE ALBION CHOIR. Assisted by EDGAR MIDDLECOTE. Banjist.
11-30 Talk: "In stories and songs for children." By DEB MUKHERJEE. Foundation of Music. No. 2. The Ven.
11-30 Talk: "First Wireless Message." By JANTRI SANGHA. Organized by Panchanan Mukherjee.
11-30 Talk: "In stories and songs for children." By DEB MUKHERJEE. Foundation of Music. No. 2. The Ven.
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11-30 Talk: "In stories and songs for children." By DEB MUKHERJEE. Foundation of Music. No. 2. The Ven.
Thursday, 5th November

8-45 Peter Yorke and his Orchestra.  
A programme of dance music.

5-00 Close down.

TRANSMISSION 2.

GSI 21.47 Mc/s (139.9 m), GSF 15.14 Mc/s (19.82 m)

p.m.

3-40 Big Ben.  "The Beloved Vagabond."  
A musical play founded on the novel by W. J. Locke.  
Mirror of the Waters (Ball); Mrs. Tyrwhitt (Traditional); 
David, The Foxy Dog (Old Irish Air); 'Tis True; The Lovers' Dance (Saints).

5-00 Chamber Music.  
Sonata in G (flute, violin, and pianoforte): Largo; Vivace; Adagio; 
The New Aeolian Players: Joseph Slater (Flute); Jean Pougnet (Violin); 
Rebecca Clarke (Viola); Angus Morrison (Pianoforte).

5-55 "Food for Thought."  
Three short talks on matters of topical interest.

6-15 The BBC Singers.  
"Under Big Ben."  
Margaret Godfrey: Revival; Rowland; Gladys Winsom; Doris Quinlivan; 
Concert by Louis Woodford; Crime, Let Us Join the Rowdiness; Bring It; Where Shall the Loyal Rest?; The Merry Mope of Murning (Brabant).  
My Love's Like a Red, Red Rose (Greenebank Rose); After Many a Dusty Mile (Edward Elgar); The Meeting of the Waters (Arrs. Thomas Dunsany).

6-30 The News and Announcements.

6-50 A Violoncello Recital.  
By Arthur, Butler; Adamson and Allen (in A) (Bach, Beethoven); Mantovani Dance (No. 3) (Allman, arr. Sibell).  
10-15 Close down.

EVENTS THIS WEEK

"The Beloved Vagabond"  
A musical play founded on the novel by W. J. Locke.

"Coronel and Falkland Islands."  
A feature programme recalling the battles fought there during the Great War.

"I Was There."  
Commander Lightboller describes the sinking of the White Star liner Titanic.

TRANSMISSION 3.

GSI 21.47 Mc/s (139.9 m), GSF 15.14 Mc/s (19.82 m)

p.m.

5-30 Big Ben.  "Y Cafe" (Winter).  
A programme of Welsh part-songs and readings from Welsh poetry to depict the winter season.  
Readings by: (By Appointment); David Griffiths Davies; Owen.

6-00 The BBC Empire Orchestra.  
Leader: Daniel Melis; oboe: Eric Fogg; Oboe; Vivaldi, Allegro; Minuet and Trio; Allegro; Minuet and Trio; Adagio; Minuet and Trio (arr. Mozart); Petite Suite (I); Et Invenit Portum (2); Concerto (I) Minuet (3); Violin Concerto (Tchaikovsky).  
Overture: The Ruler of the Spirits (Weber).

9-00 "Under Big Ben."  
Talk by Howard Marshall.

(Big nationalism of the Air Corps) conducted by Philip Leopold; R. P. O'Donnell, M.V.O., Director of Music, Royal Air Force.  
From the Royal Air Force Headquarters.  
10-00 The News and Announcements.

10-20 Dance Music.

10-30 Close down.

TRANSMISSION 4.

GSI 15.26 Mc/s (18.94 m), GSF 11.79 Mc/s (25.53 m); GSI 9.51 Mc/s (31.59 m)

p.m.

5-45 Big Ben.  "Fireworks for the Fifth."  
A feature programme presented by John Podbury.

11-7 Brian Lawrance and his Dance Orchestra.  
Conductor: Brian Lawrance.  
Music: Painted for the Fireworks by Williams.  
Shells; The Battle of the Vital; The Battle of Youth (Shakespeare).  
Duel: Montague (Hamlet); Album Leaf (Weber); March and Scherzo (Beethoven: The Three Oranges). (Programmes).

4-00 "Under Big Ben."  
Talk by Howard Marshall.

4-15 A Short Violoncello Recital.  
By Cedric Sharpe.

1-0 "Radio Pie"  
With the Two Louises.  
Produced by Martin C. Webster.

1-45 The Music of Percy Grainger.  
By the BBC Orchestra.

2-30 The News and Announcements.

2-50 Murray Ashford and Edger Sawyer (Entertainers).  
3-0 Gunpowder Treason.  
A feature programme about the famous plot.  
Script by W. Whitaker Wilson.  
Produced by John Gicle.

3-30 The News and Announcements.

3-45 "Under Big Ben."  
Talk by Howard Marshall.

4-0 Dance Music.

4-15 Close down.

* Electrical recording.  
** Gramophone records.

GERMANY (Berlin)

DIA 31.8, DJQ 19.63, DJQ 31.45, DJQ 16.89.

10-40 p.m. Musical Entertainment.  
11-45 a.m. Musical Entertainment (contd).  
12-30 p.m. News and Economic Review in English.  
12-45 p.m. Today in Germany; Sound Pictures.  
1-45 p.m. Women's Consultation Hour.

10-45 p.m. Songs for Girls by Franz Schubert.

11-30 The Music of Percy Grainger.

12-00 "Under Big Ben."  
Talk by Howard Marshall.

12-45 A Short Violoncello Recital.  
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1-0 "Radio Pie"  
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3-30 The News and Announcements.

3-45 "Under Big Ben."  
Talk by Howard Marshall.

4-0 Dance Music.

4-15 Close down.

HOLLAND (Phobi)

Wavelength 16.85 Metres.

6-0 p.m. Opening announcement.  
6-50 p.m. Latest news from Holland.  
6-30 p.m. Cello-recital by Mr. J. Blazer accompanied by Miss Rie Knot.  
6-40 p.m. Talk by Dr. B. de la Faille.  
7-00 p.m. Cello-recital by Mr. J. Blazer (contd).  
7-15 p.m. Talk by Dr. Alphert, Baron Schmidt-Peningen van der Oye.  
7-30 p.m. Dance music.  
8-00 p.m. A jolly hour: Joy is our Price.  
9-15 p.m. New German Publications: The Olympic Games.  
10-30 p.m. Close down.

ITALY (Rome)

Wavelength 25.40 and/or 31.13 Metres.

5-15 p.m. Vaired programmes.  
6-45 p.m. Concert.  
Talk: "Traces of Raphael to Rome."  
7-30 p.m. News in English.  
Selections from an opera.  
10-00 p.m. Organ concert.  
Dance music.  
Prof. Reginaldo Cafarelli trumpet soloist.  
Cello, Concerto, M. v. Soria.  
Metro soprano.  
Poetical readings by Nino Meloni.  
Sport news.  
Latest news.  
11-10 p.m. Arabien music.

All Times are given in Indian Standard Time.
Friday, 6th November

p.m.
5-10 1st News and Weather Report (Hindustani.)
5-20 AIR Orchestra. Barani.
5-50 Malang Khan. "Parik on Sitar.
5-10 Niaz Bai of Patiala. "Dami odhu tana denu." Tarana Bevag.
5-20 Qawwali. By AIR ARTISTS.
5-50 Sarudi-Raqs.

U.N. MUKERJI. Sared. SARANGI. Sared. TARAF. Table.
7-0 "For Villagers Only." (Delhi Market Rates at 7-30 p.m.)
8-0 Talk (Hindustani): "Man vs. Microbe." No. 4. Menninger.
9-0 Talk (Hindi): "Latter." By A DOCTOR.
9-15 Azad Bhum.
10-0 "Darshan." By AIR ORCHESTRA.
11-0 2nd News and Weather Report (Hindustani).
11-45 Talk (English): "The Month in Sport." No. 3.
By A. S. DE MELLO, Secretary of the Board for the Control of Cricket in India.
12-00 Hotel Marina Victorian Orchestra.
Leader: ERWIN KLAEN.

Open: "Nabukadnezar." SHORTER. E. STEVEN.
"Gay Spirits." From Chuch to Wagner. AD. SCHWAB.
"Liebstraume." From "TB. Raffique Ghaznavi.
Waltz. By the Swensen River.
"Singer singing in Venice." By R. HERTZ.
March. By LEONARD HEIDEKIRCH.
Close down.

a.m.
12-10 "Beurer." By HENRY STRONG.
12-15 "A Selection of Broadcast Records.
12-20 Tiny Tim Collection.
HURFORD'S "HURFORD." A. K. "Hursty.
"Rhythm in Park." By M. S. "Hans Coll.""PINTO.
12-30 Time Signal.
13-00 Talk (English): "Life Story of William: A Great Indian Hindustani.
By S. H. FRATER, M.L.C., J.P., C.M.ZS.
13-15 The News in English.
13-30 Jules Creon and his Quintet.
"Instructional." Jujube.
"Tell the World." By M. N. "Brahmane.
13-45 Talks from France." By WILHELM.
14-00 "Talkie Film Hits." By SAM BROOKS, Baritone.
"I'm shooting high." By M. S. "Brahmane.
"Let's face the Music." By M. S. "Brahmane.
"A Melody from the Sky."
Friday, 6th November

TRANSMISSION 1.

7-30 The News and Announcements.

8-15 "Music of the Hours."

8-30 "What's the Odds?"

8-45 Scottisch Dance Music.

9-00 "Under Big Ben."

9-15 "Music of the Hours."

9-30 The News and Announcements.

10-00 The News and Announcements.

10-15 "Music of the Hours."

10-30 The News and Announcements.

11-00 The News and Announcements.

11-15 "Music of the Hours."

11-30 The News and Announcements.

12-00 "The Beloved Vagabond."

12-15 "Will C. Peppers' "White Coons."

12-30 The News and Announcements.

1-00 A Police Recital. By Stephen Wearing.

1-10 The BBC Theatre Organ.

1-30 "Sea Power No. 5. Personal and Manning."

2-00 A talk by Vice-Admiral Sir George Ghetwode, K.C.B., C.B., M.V.O.

2-30 Scottish Dance Music.

3-00 Close down.

4-15 Close down.

** Transmission 2. **

6-00 Opening announcement.

6-15 6-30 6-45 p.m. Music.

6-45 p.m. News from Holland.

7-00 7-15 7-30 7-45 8-00 8-15 8-30 8-45 9-00 9-15 9-30 9-45 10-00 10-15 10-30 10-45 11-00 11-15 11-30 11-45 12-00 12-15 12-30 "The Beloved Vagabond."

12-45 "Will C. Peppers' "White Coons."

1-00 A Police Recital. By Stephen Wearing.

1-10 The BBC Theatre Organ.

1-30 "Sea Power No. 5. Personal and Manning."

2-00 A talk by Vice-Admiral Sir George Ghetwode, K.C.B., C.B., M.V.O.

2-30 Scottish Dance Music.

3-00 Close down.

4-15 Close down.

** Transmission 3. **

7-00 7-15 7-30 7-45 8-00 8-15 8-30 8-45 9-00 9-15 9-30 9-45 10-00 10-15 10-30 10-45 11-00 11-15 11-30 11-45 12-00 12-15 12-30 "The Beloved Vagabond."

12-45 "Will C. Peppers' "White Coons."

1-00 A Police Recital. By Stephen Wearing.

1-10 The BBC Theatre Organ.

1-30 "Sea Power No. 5. Personal and Manning."

2-00 A talk by Vice-Admiral Sir George Ghetwode, K.C.B., C.B., M.V.O.

2-30 Scottish Dance Music.

3-00 Close down.
Saturday, 7th November

TRANSMISSION III

5-00
Time Signal.

5-10

5-20
AIR Orchestra. Jail.

5-30
Ghulam Farid.
"Na kar anda-i-saryad ab si amin mujhe ko
Gavaa hai gavara sab yeh zulum-i-baghban mujhe ko."
(Sayyid)

5-40
Kalo Bai.
"Mainhdi morni ma.
Khagol Parkhi.
Hato tu hume bayaan sayman mor garm kalyan-
yaan.
Thumri Murwaa.

6-00
Brinder Singh.
"Dil yeh kahta hai durbha tu hai
Ankh kahti hai wafa tu hai.

6-10
Ghulam Farid.
"Gain widya gur ang haur se sadh ho let mitang-jam-i-
Kallo Bai.

6-20
Talk (Hindustani): "Minding the Mind."
No. 10. Belief.
By S. A. Ratna.

6-30
AIR Orchestra.
Lacha sambh.

8-30
Talk (Hindustani): "The Indian Listener."

9-00
Close down.
TRANSMISSION 1.
10-36 Big Ben. Scottish Dance Music.*
3-40 Big Ben. Scottis h Danc e Music.*
7-15 The Children's Hour.
6-55 The News and Announcements.

TRANSMISSION 2.
10-36 Big Ben. "Empire Magazine" No. 12.*
4-20 "Sea Power No. 5. Personnel and Manning." A talk by Vice-Admiral Sir George Chetwode, K.C.B., C.B.E.
6-0 The News and Announcements.
5-30 Close down.

TRANSMISSION 3.
4-30 Big Ben. "Empire Magazine" No. 12.*
8-1 The Coventry Hippodrome Orchestra.
5-0 "Street Symphony," another programme of music from the streets of London. Arranged by S. E. Reynolds and Piano Thornton.
9-25 The BBC Dance Orchestra.
5-0 "Street Symphony," another programme of music from the streets of London. Arranged by S. E. Reynolds and Piano Thornton.
9-25 The BBC Dance Orchestra.
5-0 "Street Symphony," another programme of music from the streets of London. Arranged by S. E. Reynolds and Piano Thornton.
9-25 The BBC Dance Orchestra.
5-0 "Street Symphony," another programme of music from the streets of London. Arranged by S. E. Reynolds and Piano Thornton.

ITALY (Rome)
Wavelength: 25.40 and/or 31.31 metres.
5-13 varied programmes. 6-45 p.m. Concert Talk: "Day's questions and arguments." 7-30 p.m. News in English. News in Hindustani. Concert. Music requested by radio listeners. 8-0 p.m. Selections from an Opera: Poetical readings by Delizia Sannone. Sport news. Latest news. 11-10 p.m. Concert of Arabian music.

HOLLAND (Phohi)
Wavelength: 16.88 Metres.
6-0 p.m. Opening announcement. 6-5 p.m. The Phohi Troubadours. 7-0 p.m. Latest news from Holland. 7-20 The Phohi Troubadours (cont'd). 8-15 p.m. Latest news from the Near East. 8-45 p.m. Latest news from the Near East. 9-20 p.m. The Phohi Troubadours (cont'd). 9-30 p.m. The Phohi Troubadours (cont'd). 9-45 p.m. The Phohi Troubadours (cont'd). 10-0 p.m. The Phohi Troubadours (cont'd). 10-15 p.m. The Phohi Troubadours (cont'd). 10-30 p.m. The Phohi Troubadours (cont'd). 10-45 p.m. The Phohi Troubadours (cont'd). 11-00 p.m. The Phohi Troubadours (cont'd). 11-15 p.m. The Phohi Troubadours (cont'd).

GERMANY (Berlin)
10-40 a.m. Weekend Concert. 11-45 a.m. Weekend Concert (cont'd). 12-25 p.m. Greetings to our listeners. 12-30 p.m. News and Economic Review in English. 12-45 p.m. Today in Germany. Sound Pictures. 1-0 p.m. A radio play. 1-15 p.m. "What are the Odds?" 2-0 p.m. Dance Music. 3-15 p.m. Women's Hour: "Jorg vertell." 3-45 p.m. Close down.
4-30 p.m. Concert of Light Music. 5-30 p.m. News in English. 6-45 p.m. Concert of Light Music (cont'd). 6-55 p.m. Greetings to our listeners in the Near East. 6-55 p.m. Beethoven: Variations on the Theme "I am the Tabor Kakkud." 7-15 p.m. Talk: "New German Law." By Dr. Fritz Schwetz. 7-30 p.m. News and Economic Review in English. 7-45 p.m. Men's Hour. 8-0 p.m. Scenes from "Waltenstein" by Friedrich Schiller. 8-30 p.m. Women's Hour: "Jorg vertell." 8-30 p.m. Close down.

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 should 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.
Sunday, 8th November

P.M.
6-10 G. A. Khan Gwaliore.  “O nashi ankh wale duri-paimana rahe
Lutf jab hai umar madolsho mastane rahe.”
6-20 A. Khan.  “Dehri me naqsh waqt waqt ka atal na hua
Hai yeh waqt lae keh shaminda-s-mani na hua.”
6-30 Chulam Sabir.  “Tejuk Khamal on Sarangi.”
7-10 “For Villagers Only.”  (Delhi Market Rates at 7-30 p.m.)
8-0 Talk (Hindustan).  “The Vanishing Past” No. 9.
8-15 Our Customs.
8-18 By DR. NAZIR AHMAD.
9-15 By SPECTATOR.
9-45 The News in English.
9-50 Light Music.  By SHANTA KUMARI.

VUD 340.13 metres, 622 kc/s.

P.M.
7-30 A Selection of Records.  Introduced by MENA SILES.
8-30 The News in Hindi.
8-45 Popular Melodies at the Piano.  By MENA SILES.
9-0 Guitar Solos.  By ANANT LOKE.
By Dr. NAZIR AHMAD.
(This is the last of Dr. Ahmad’s interesting series.)
9-45 The News in English.

CALCUTTA
VUD 370.4 metres, 810 kc/s.  49.10 metres, 8,109 kc/s.

P.M.
5-15 Listened to Film Singers.
5-45 Classical Music.
6-05 Light Music.  By SHANTA KUMARI.

P.M.
5-30 Time Signal.
5-40 1st News and Weather Report (Hindustan).
5-45 AIR Orchestra.  Blum Plot.
5-50 Afsal Hussain.  “Na la la na la la na ge va sa ma pa ma pa.”  “Sargsan Ka.
5-50 G. A. Khan Gwaliore.
6-00 Malang Khan.  Jai Kalyan on Sitar.

P.M.
6-10 G. A. Khan Gwaliore.  “O nashi ankh wale duri-paimana rahe
Lutf jab hai umar madolsho mastane rahe.”
6-20 Afsal Hussain.  “Dehri me naqsh waqt waqt ka atal na hua
Hai yeh waqt lae keh shaminda-s-mani na hua.”
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8-15 Our Customs.
8-18 By DR. NAZIR AHMAD.
9-15 By SPECTATOR.
9-45 The News in English.
9-50 Light Music.  By SHANTA KUMARI.

VUB 350.9 metres, 855 kc/s.

P.M.
6-40 Close down.
6-50 Malang Khan.

P.M.
5-30 Time Signal.
5-40 1st News and Weather Report (Hindustan).
5-45 AIR Orchestra.  Blum Plot.
5-50 Afsal Hussain.  “Na la la na la la na ge va sa ma pa ma pa.”  “Sargsan Ka.
5-50 G. A. Khan Gwaliore.
6-00 Malang Khan.  Jai Kalyan on Sitar.

P.M.
6-10 G. A. Khan Gwaliore.  “O nashi ankh wale duri-paimana rahe
Lutf jab hai umar madolsho mastane rahe.”
6-20 Afsal Hussain.  “Dehri me naqsh waqt waqt ka atal na hua
Hai yeh waqt lae keh shaminda-s-mani na hua.”
6-30 Chulam Sabir.  “Tejuk Khamal on Sarangi.”
7-10 “For Villagers Only.”  (Delhi Market Rates at 7-30 p.m.)
8-0 Talk (Hindustan).  “The Vanishing Past” No. 9.
8-15 Our Customs.
8-18 By DR. NAZIR AHMAD.
9-15 By SPECTATOR.
9-45 The News in English.
9-50 Light Music.  By SHANTA KUMARI.

VUB 350.9 metres, 855 kc/s.

P.M.
6-40 Close down.
6-50 Malang Khan.
October 22, 1936.

Sunday, 8th November


7.00 The BBC Chorus (Section B), Chorus Master, Leslie Woodgate. Stiles-Allen (Soprano). Freda Townson (Contralto). Berkeley Masson (Tenor).


8.00 The Vagabond (Vaughan Williams). The News and Announcements.

8.30 A Talk by Vice-Admiral Sir George Chetwode, K.C.B., C.B.E.

9.00 Sea Power No. 5 : Personnel and Manning. A talk by Vice-Admiral Sir George Cheetham, K.C.B., C.B.E.

9.15 Sea Power No. 5 : Personnel and Manning. A talk by Vice-Admiral Sir George Cheetham, K.C.B., C.B.E.


10.00 Weekly Newsletter. Sports Summary and Announcements.

10.15 Envoi.

10.30 Close down.

TRANSMISSION 3.

GSF 15.40 Mc/s (19.82 m.), GSC 9.51 Mc/s (31.53 m.).

11.00 Musical Introduction to the Week (contd). 12-25 p.m. A programme compiled for broadcasting by Val Gielgud from certain sources by Joseph Lewis. Far in a Western Country (John Ireland).


11.30 The BBC Chorus (Section B), Chorus Master, Leslie Woodgate. Stiles-Allen (Soprano). Freda Townson (Contralto). Berkeley Masson (Tenor).

12.00 A Talk that is Told 18: Unworthy Tenants. A talk by Vice-Admiral Sir George Chetwode, K.C.B., C.B.E.

12.15 Little Evening Entertainment. A talk by Vice-Admiral Sir George Chetwode, K.C.B., C.B.E.

12.30 Programme of Light Music. 3-30 p.m. A talk by Vice-Admiral Sir George Chetwode, K.C.B., C.B.E.


13.30 The Vagabond (Vaughan Williams). The News and Announcements.

14.00 A Feature Programme presented by John Pudney. Dance, Petronella; Country Dance. The Haymakers (Kerr). The News and Announcements.


15.00 The Vagabond (Vaughan Williams). The News and Announcements.


16.00 The Vagabond (Vaughan Williams). The News and Announcements.


17.00 The Vagabond (Vaughan Williams). The News and Announcements.


18.00 The Vagabond (Vaughan Williams). The News and Announcements.


19.00 The Vagabond (Vaughan Williams). The News and Announcements.


20.00 The Vagabond (Vaughan Williams). The News and Announcements.


21.00 The Vagabond (Vaughan Williams). The News and Announcements.


22.00 The Vagabond (Vaughan Williams). The News and Announcements.


23.00 The Vagabond (Vaughan Williams). The News and Announcements.
DELHI

VLC 340.13 meters, 822 kc/s.

TRANSMISSION I.

5-0 Time Signal.

5-10 1st News and Weather Report (English).

5-20 AIR Orchestra. (Recorded).


5-45 Maqbool Husain. "Zindagi ka lauti bhi a audio.", Zindagi bai to desh ka a audio.

6-0 P. S. Mukerji. "Aima Kalyan.", on Sarod.

6-10 Mrs. B. C. Verma. "Khogali Shadu Kalyan.", Khogali Bhargali.


6-45 Maqbool Husain. "Laya hai dhi dal par kisi kharabi.", As yar tera husi--shahabat.

6-45 Aizad Husain. "Weh mubashar hai kisi bcs ke na bho bho.", Ho gaya hir men maro bho faramos mubash.

7-0 "For Villagers Only." (Delhi Market Rates at 7.30 p.m.).

7-45 Talk (Hindustani). "Current Events." No. 3.

7-50 By Dr. Zakir Husain.


8-30 Maqbool Husain. "Kaise saamaja sakhi.", Asathai Bhag (Itkala).

9-10 Karrar Husain. "Qunar.", AIR Orchestra. (Recorded).


10-0 A Future Programme. (A selection of recorded songs from the latest Indian Talkies).

10-0 A Future Programme. (Recorded).

11-0 A Future Programme. (A selection of recorded songs from the latest Indian Talkies).

11-0 Close down.

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BOMBAY

VUB 350.9 meters, 855 kc/s.

A M.

11-30 A Selection of Records. (Odeon Records).

12-30 Three Popular Instrumentalists. (Recorded).

12-30 Available Market Rates.

12-35 A Studio Programme. By S. Rose & Co., Ltd. (Columbia Records.)

12-35 The BOC Dance Orchestra.

12-35 "London Again." (Gujarati). "Sensible Mothers Problem." By Dr. Miss Kumud Mehta.

12-40 Gujarati Songs. By HIRAALI MANGHIAIR of Surat. (Recorded).

12-45 Shree Bhagwat Geeta Pravachan. By PANDIT LAKSHMAN RAO OGHRALE.

12-45 "Arya Mahila." (Recorded).

12-45 A Drama by ANANT HARI CADRE. Presented by DAMANJUNA JOSHI of Bal Mohan Sanjiv Mandal. (Love Lost) "Bhoj Puran, CHOTA GANDHARA and Others.


12-45 A Variety Show. (By the Bombay Amateur Dramatic Club. (An hour of songs, sketches and music.)

12-45 Close down.

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CALCUTTA

VUC 370.4 meters, 810 kc/s. 10.19 metres, 6,109 kc/s.

P.M.

12-30 Time Signal.

12-30 Three Popular Instrumentalists. (Recorded).

12-30 Available Market Rates.

12-35 A Studio Programme. By S. Rose & Co., Ltd. (Columbia Records.)

12-35 The BOC Dance Orchestra.

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12-45 A Variety Show. (By the Bombay Amateur Dramatic Club. (An hour of songs, sketches and music.)

12-45 Close down.

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All Times are given in Indian Standard Time.
Monday, 9th November

TRANSMISSION 1.
9-0 p.m.

1-30 Big Ben. "What's the Odds?"

2-15 "The Legionary March" from "The Volga Boatmen" by Jan Rudenyi.
3-00 "The Invisible Man" by H. G. Wells. Action and Rondo Capriccioso (Saint-Saëns). Orchesta: Overture, Casta Divina (Mozart).

3-45 Recital. By Australian Artists.

4-10 Variety.
Greenwich Time Signal at 6:30 p.m.

5-30 The News and Announcements.

6-50 An Organ Recital.
By C. H. Trevor. From the Concert Hall, Broadcasting House, London. Choral with Variations, O Gott, du Krieger Gott (Bach); Figaros in G minor, Op. 124, No. 10 (Mendelssohn); Serenata (Wolfe—Stevenson).

7-45 close down.

TRANSMISSION 3.
9-00 p.m.

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

8-15 The BBC Midland Orchestra.

9-15 close down.

9-30 "Fireworks for the Fourth!"
A Fourth of July program presented by John Pudney.

9-45 Musical Interlude.
Greenwich Time Signal at 9:30 p.m.


10-00 The News and Announcements.

10-40 Big Ben. "The Policeman's Lot."
A talk by an Inspector of Police in the Buganda Province of Uganda.

11-00 The H. S. Queere Celeste Oratorio.

11-45 close down.

12:00 The Strings of the BBC Scottish Orchestra.
Leader, John MacDuff; conductor, Gaspard Sider. "From Jungle to Jazz." Jules Buechner in the third of a series of programmes devoted to music illustrating the progress of jazz from its inception to the present day. The programme will include the following numbers: "St. Louis Blues" (Hendrix); "Chiquito" (Gershwin); "The Great British Blue" (Blues); and "Sad Song in the Air" (Deans). Hugh Hall (Director). The BBC Variety Orchestra. Conducted by Charles Shawell.

12-50 The Music Shop.
"Gardens and his Orchestra."
1-30 "From Jungle to Jazz."
Jules Buechner in the third of a series of programmes devoted to music illustrating the progress of jazz from its inception to the present day. The programme will include the following numbers: "St. Louis Blues" (Hendrix); "Chiquito" (Gershwin); "The Great British Blue" (Blues); and "Sad Song in the Air" (Deans). Hugh Hall (Director). The BBC Variety Orchestra. Conducted by Charles Shawell.

1-50 Charles Ernesco and his Quintet.
We have Last Hurrah. "At last, you have the magic that we never had before." From 2-30 a.m. to 4-15 a.m.

2-15 close down.

2-30 The News and Announcements.

3-00 The Lord Mayor's Banquet, 1936.

3-25 The BBC Theatre Organ.
Greenwich Time Signal at 3:30 a.m.

4-00 The-light-heavyweight Championship of the World.

4-15 close down.

5-00 all stations are given in Indian Standard Time.

GERMANY (Berlin)

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. Today in Germany. Sound Pictures. 1-00 p.m. Orchestral Concert. 1-45 p.m. Hour of Commemoration to November 9. 2-45 p.m. Sports Review. 3-15 p.m. Hitler Youth Programme: "Totentanz" by Heinrich Spreti. 3-45 p.m. Close down.

4-30 p.m. Concert of Light Music. 5-20 p.m. News in English. 5-45 p.m. Concert of Light Music (contd). 6-25 p.m. Greetings to our Listeners in the Far East. 6-45 p.m. The Kaiser Minstral comes. 7-30 p.m. News and Economic Review in English. 7-45 p.m. Today in Germany. Sound Pictures. 8-00 p.m. Commemorative Hour to November 9. 9-00 p.m. Organ Recital. 9-15 p.m. Sports Review. 9-30 p.m. Close down.

ITALY (Rome)
Wavelength: 25.40 and/or 31.13 Metres.

TRANSMISSION I

10-10 a.m. Time Signal. 

Shrimad Bhagwat Geeta. By Pandit Brij Bhushan Joshi. 

10-15 Indian Music. (Recorded.) 

MUKTIDAS - Bhajan. 
NARA BHAJA - Bhajan. 
NARENDRA NATH - Arranged by MEJDIDI. 
RAGHUNATH SAHAL AND SANAYA - From "Kante Pati." 
ASHOK RAI - "AIR Orchestra."
KAMAL - "Jhula." 
ASHOK RAI - "AIR Orchestra."

9-0 Talk (Hindustani): "Domestic Science." 

By BANU FARIQUE. 


8-0 LILY PONS. 

COLUMBIA GRAND CHORUS. 

OLIVE GROVES, EFFIE ATHERTON, WEBSTER BOOTH AND EDWARD FLICKER AND DORIS WATERS. 

CONCHITA SUPERIA. 

BBC WIRELESS CHOIR. 

M O H M A D H A S H I M. 

Pandit Brij Bhushan Joshi. 

AIR Orchestra. 

"Mori laj bachegi aana." 

AIR Orchestra. 

"Ba har mu hazar siahkar dari." 

BAHJAN. 

AIR Orchestra. 

"Dikhi le mahra jobaneguhra." 

AIR Orchestra. 

"Mera Wichhra yar milaan sadqah Pantjan da." 

Sayyad Barkat Ali. 

"Nigha-i-yar kia kiya tu ne..." 

By BAND FARUQI. 

Talk (Hindustani): "General Science." 

By ALICE AHMAD SARKAR. 

8-15 AIR Orchestra. (Dark Night) "Kali Rat." 

8-25 Pandit Brij Bhushan Joshi. 

8-35 SYED BARKAT ALI. 

8-45 Pandit Brij Bhushan Joshi. 

8-55 Malek Khan. 

9-15 AIR Orchestra. (Recorded.) 

8-0 Olive Groves. 

Four Centuries "(Recorded.) 

ALTO. 

AIR Orchestra. 

"London Pride." 

Vocal Gems "(Recorded.) 

AIR Orchestra. 

"London Pride." 

Air de Rosine et Duo "(Recorded.) 

I'm in the market for you." 

WALTZ - "Vienna Blood" - MARCH - "Vienna Remains Vienna." 

Johann Strauss's "Waltz - "La Tosca." 

"For Villagers Only." 

By DILEEP CHAUDHRY. 

"Where are you ?" 

Group singing. "On the road to anywhere." 

9-30 Close down.

TRANSMISSION II

p.m. 

12-30 AIR Orchestra. Sundarbad Mathur. 

12-45 Pandit Brij Bhushan Joshi. 

1-0 AIR Orchestra. Pandit Brij Bhushan Joshi. 

1-15 MOHAMMAD HASHIM. 

1-20 Pandit Brij Bhushan Joshi. 

1-30 A Variety Programme. (Recorded.) 

By WELL KNOWN SINGERS. 

"Shourasheela." 

"Green of Life."

CONCERTA SUPREMA. 

"Air de Marina et Duos." (Recorder of Reville.) 

OLIVE GROVES. 

SHILPA JAIN. 

CO-CONDUCTOR. 

Peter Hanson. 

Little Prayer 1 U love. 

COLONEL GRADY ORCH. 

Choral Version "Liberation." 

Humprham Brothers No. 2. 

LAYTON AND JENKINS. 

"I'm in the market for you." 

Just like a Story Book. 

LILY 2000. 

"I dream too much..." 

DOVES VANE, FRANCES ROUSE, DENISE NOBLE AND CHOSES. 

Vocal Gems "(Recorded.) 

ELISE AND DOUGWAY. 

London Pride. 

2-30 Close down. 

TRANSMISSION III

p.m. 

5-0 Time Signal. 


5-10 1st News and Weather Report (Hindustani). 

5-20 AIR Orchestra. Dhani. 

5-30 Pandit Brij Bhushan Joshi. 

5-40 Seyed Barkat Ali. 

6-0 Pandit Brij Bhushan Joshi. 

6-10 "Bhajjan se jo hai dana yasa." Bhajan. 

6-20 Seyed Barkat Ali. 

6-30 MOHAMMAD HASHIM. 

7-0 AIR Orchestra. 

7-30 Pandit Brij Bhushan Joshi. 

8-0 GHAZAL. 

9-0 Close down. 

VUC 330.1 metres, 855 kc/s. 31.36 metres, 956 kc/s.

p.m. 

11-30 Light Music 

By GULAMBHAI DARDHADHAR. 

12-0 A Violin Recital 

By SHRIDHAR PAREKH. 

12-15 Gacals and Quowals. 

Available Market Rates. 

A Programme of Gramophone Records. (Brunswick-Decca). 

0-0 Talk (English): "Automobile Associations." 

By A. H. C. SYKES. (Relayed from Rotary Club.) 

Close down. 

6-0 A Relay from the Capitol Cinema. 

(Kind permission of the Management). 

Close down. 

6-30 Film Hits (Recorded). 

7-0 "Recordings." 

A Descriptive Programme By THE DUFFIN. CADETS. 

Antoniouer : AIR CADET CAPTAIN NOCK. 

Instrumentalist: 
CADET NAHAYET. 

Bangalore Cadet Blofeld Accordion and Violin. 
CADET SCOTT, Violin. 

S A N D R O M E N. 

CADET CAPT. CURWEN, AND CADETS CROSS AND JOHN. 

"Baguley." 

CADETS SMITH, BONNER, CLEMENTS, WOODWELL AND DEES. 

Weight Organ. 

Piano at the Capitol. 

"The Bhakti Cult in Vedanta." No. 3. 

By A. St. EDMOND. 

"Where are you ?" 

Group singing. "On the road to anywhere." 

7-30 Close down. 

9-0 A Hawaiian Guitar Recital 

By EDNA WINDSOR. 

"London Pride." 

9-15 AIR Orchestra. (Recorded.) 

9-30 AIR Orchestra. (Recorded.) 

10-0 A Recital of South Indian Songs. 

By LALITA VENKATRAM WITH HER VEENA. 

11-0 Close down. 

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

p.m. 

12-36 Time Signal. 

12-40 SB Ted Frangopoulos and his Blue Harmony Boys. 

Incidental Music from "Melodrama." 

Vocal: "The Clock is playing." 

Waltz - "La Tosca." 

Selects. 

Concert by the HAPPY QUARTETTE. 

NEWS AND NOTES. 

1-0 Half an hour of Dance Music. 

Calcutta Weather Bulletin for Ocean and Rivercraft. 

1-30 Talk: "The Bhakti Cult in Vedanta." No. 3. 

By CHABBA SURYA SAHIB. 

1-45 The Land of Poets." 

By A. St. EDMOND. 

2-0 A Recital of Gramophone Records. 

RANI DEBI & HIREN BOSE. 

Dramatic Scene. 

"Automobile Associations." 

By A. H. C. SYKES. 

2-30 Close down. 

3-0 Time Signal. 

4-0 Time Signal. 

News and Notes. 

Concert by the HAPPY QUARTETTE. 

Talk: "General Science." 

By NARENDRA NATH BASU. 

Concert by the HAPPY QUARTETTE. 

NARENDRA NATH BASU. 

4-5 THE STRATEGIST. 

By A. H. C. SYKES. 

5-0 Time Signal. 

All Times are given in Indian Standard Time.

1074
**Tuesday, 10th November**

**2.6 p.m.** A Recital.


**2-25 p.m.** 'The Policeman's Lot.'

A talk by the Inspector of Police in the Buganda Province of Uganda.

**2-40 p.m.** Beethoven's Finoante Sonatas 6.

Karl Ulich Schueler (Pianoforte) Sonatas in D, Op. 28 (The Pastoral); Allegro; Adagietto; Allegro vivace; Allegro ma non troppo.

**3-7 p.m.** Musical Interlude.

**3-10 p.m.** The News and Announcements.

Greenwich Time Signal at 3-15 p.m.

**3.30 p.m.** The Light-heavyweight Championship of the World.

Close down.

**TRANSMISSION 1.**

GSO 15.18 Mc/s (19.76 m.), GSB 9.5 Mc/s (13.12 m.).

3-10 p.m. Big Ben. 'The Lord Mayor's Banquet, 1936.' Speech by the Prime Minister, the Rt. Hon. Stanley Baldwin, M.P., From Guildhall, London.*

3-45 p.m. 'Empire Magazine,' No. 13.

A weekly review of things at Home. Edited by Pascoe Thornton.

**TRANSMISSION 2.**

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

**4-30 p.m.** Big Ben. 'Empire Magazine,' No. 13.

**5-2 p.m.** The BBC Northern Ireland Orchestra. 

Leader, P. P. W. Montgomery; conducted by Peter Montgomery. 

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

**5-50 p.m.** A Recital.


**5-57 p.m.** 'Monologue in Melody.'

Gerry Moore in syncopated piano music.

**6-10 p.m.** The Lord Mayor's Banquet, 1936.

Speech by the Prime Minister, the Rt. Hon. Stanley Baldwin, M.P., From Guildhall, London.*

6-30 p.m. The News and Announcements.

Greenwich Time Signal at 6-30 p.m.

**6-35 p.m.** The News and Announcements.

**6-55 p.m.** The Light-heavyweight Championship of the World.

A Commentary from the Ring on the Contest between John Henry Lewis (the holder) and Len Harvey, by Lionel Seccombe. 

**7-0 p.m.** Close down.

**TRANSMISSION 3.**

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

**7-30 p.m.** Big Ben. 'Imperial Affairs.'

A talk by H. V. Hudson.

**7-46 p.m.** 'Monologue in Melody.'

Gerry Moore in syncopated piano music.

**8-0 p.m.** George and his Orchestra.

From Charles's Hotel, London, Hungarian Dances Nos. 6 and 5 (Brahms, arr. Benczur). 

**8-15 p.m.** 'Imperial Bookshelf.'

Extracts from 'Georgina's Journal' (Melbourne: A Hundred Years Ago). Edited by Hugh McLean. Read by Noel Barlow.

**8-30 p.m.** The Torquay Municipal Orchestra.

Leader, Harold Petti; conductor, Ernest W. Goss. From the Pavilion, Torquay.

**8-35 p.m.** The Lord Mayor’s Banquet, 1936.

Speech by the Prime Minister, the Rt. Hon. Stanley Baldwin, M.P., From Guildhall, London.*

Greenwich Time Signal at 8-30 p.m.

**9-0 p.m.** The News and Announcements.

**9-20 p.m.** Dance Music.

Close down.

**TRANSMISSION 4.**

**9-45 p.m.** Big Ben. 'Empire Magazine,' No. 13.

A weekly review of things at Home. Edited by Pascoe Thornton.

**10-11 p.m.** John Reynor — with his Orchestra.

**10-30 p.m.** The News and Announcements.

**11-50 p.m.** 'Imperial Affairs.'

A talk by H. V. Hudson.

**12-30 p.m.** Scottish Dance Music.

The Heather Seated, directed by Iona Blackburn. Highland Dances for Solo Flute with Bagpipe Accomp. for Flute (Kelly), Eighteen Reel (Kay). Highland Schottische, The Reel Row (Country Dance). Fiddlers (Cape Town); Country Dance, The Hummingbird (Karnt).

**12-55 p.m.** Musical Interlude.

1-0 Variety from the Empire Theatre, Belfast.

1-30 Symphony Concert.

The BBC Orchestra (Section D), conducted by George Szell.

2-15 Close down.

2-30 The News and Announcements.

Story.

2-50 Science Talk. No. 6.

3-10 The Leslie Bridgewater Quintet.

Impromptu (Chopin, arr. Bridgewater). Two Irish Pieces (Thiria and Berceuse (Cherubini)). Masuret (Nob).

3-30 Henry Hall's Music-Makers.

3-50 Dance Hits of 1935.

3-57 'Imperial Affairs.'

A talk by H. V. Hudson.

4-15 Close down.

* Electrical recording.

**GREAT BRITAIN (London)**


**10-40 a.m.** Gay Melodies. 11-45 a.m. Gay Melodies (parted).

12-30 p.m. News and Economic Review in English.

**12-45 p.m.** Today in Germany. Sound Pictures. 1-0 p.m. Solo Concert: Romuald Wiatraski, Piano. 1-30 p.m. Concert: German Master Composers. 2-30 p.m. Sonatas in D minor by Johannes Brahms. 3-15 p.m. Little German Roder. 3-30 p.m. Children's Hour: What shall the owner of this pledge do?

**4-30 p.m.** Concert of Light Music. 5-30 p.m. News in English. 5-45 p.m. Concert of Light Music (parted).

**6-45 p.m.** Concert on an Army Band. 7-15 p.m. A little German Roder. 7-30 p.m. News and Economic Review in English. 7-45 p.m. Today in Germany. Sound Pictures. 8-0 p.m. Orchestral Concert. 8-10 p.m. Sonatas in D minor by Johannes Brahms. 8-30 p.m. Close down.

**ITALY (Rome)**

Wavelength 25,40 and/or 31,13 Metres.

5-13 p.m. Variety programmes. 6-45 p.m. Concert. Talk: "Modern events in the Mediterranean," by Senator Luigi Bonzini. 7-30 p.m. News in English. Concert by Jole Rondini, Violinist; Adolfo Antonelli, bass; Iris Malpeiri, Fisarmonica orchestra (Accordeons).

Folk lore songs. Sport news. Latest news. 11-10 p.m. Arabic music.

**MISCELLANEOUS ADVERTISEMENTS**

The charge for advertisements in these columns for one insertion is Rs. 5 for 50 words or less, which includes the words "Apply To" and "Indian Listener, Ballard Estate, Bombay." Change for every additional word is Rs. 0.10.

Payment should be made in advance.

TEA: Special Blend...-/-12/- per lb. 

Estate Blend...-/-10/- per lb. In I.b. or 5 lb. packs. 

Manager: Postage Extra. J. CALDER, Manager, Toonbarrie T. E. Mai, P. O. Dooars.
11-0 Close down.

ARMISTICE DAY

VUD 339.9 metres, 535 kc/s.

p.m.


11.0 Close down.

TRANSMISSION II

p.m.


TRANSMISSION III

p.m.


All Times are given in Indian Standard Time.

4076
The Indian Listener

October 22, 1936.

All Times are given in Indian Standard Time.

Wednesday, 11th November

10-0 The News and Announcements.

10-20 The John Maciver Quartet.

Directed by John Maciver, his quartet, Le Bon Vivant (Grenfell), Serenade in the Night (Bisac).

10-30 Close down.

TRANSMISSION 4.

The following frequencies will be used:

GSI 15.14 Mc/s (19.82 m.), GSB 9.51 Mc/s (31.55 m.).

10-45 Big Ben. 'Food for Thought.'

11-45 Three short talks on music and the cinema.

11-50 Alvin Saxton and his Dance Orchestra.

Greenvich Time Signal at 11.30 p.m.

11-30 The News and Announcements.

11-50 A Service of Remembrance from the Cenotaph, Whitehall, London.

Brief descriptions of the service by Major J. B. S. Bourne-May. The Combined Bands of the Brigade of Guards.

At 4-40 p.m. The Silence. For thought and prayer during the Silence. In remembrance of those who made the great sacrifice. O God, make us better men and women, and give us peace in our time.

The Last Post.


S.m.

12-30 The BBC Orchestras.

Section (I), conducted by Constant Lambert. William Person (Baritone).

1-30 Festival of Empire and Remembrance presented by the British Legion.


2-55 The News and Announcements.

3-15 'Y Gesaf' (Winter).

A programme of Welsh part-songs and readings from Welsh poets, Llyfr Goch, to celebrate the winter season. Readings by Dafydd Davies and J. E. Meredith. Part-songs by the B.B.C. Welsh Singers.

Greenvich Time Signal at 3-30 a.m.

3-43 Around the Counties, 6. "Berkshire the Royal County."

Written by John W. Condren and produced by John Pudsey.

4-15

*Electrical recording.*

Germans record.

GErmANY (Berlin)


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. Big Ben. Dance Music for Farmers.

From 11 a.m. to 1 p.m. German Music. 1 p.m. to 12 p.m. Concert of Light Music. 12 p.m. to 1 p.m. Big Ben. Dance Music for Farmers.

11-15 a.m. The Royal Air Force English Programme in English. 12-45 p.m. Today in Germany. Sound Pictures. 1-00 p.m. Scenes from 'Götterdämmerung' by Richard Wagner. 2-15 p.m. Topical Talk. 2-30 p.m. News in English. 3-00 p.m. Concert of Light Music (contd). 6-25 p.m. Greetings to our Listeners in India. 6-45 p.m. A radio-play: "The Main Film has not begun yet!" by Werner Oehlschlagier. 7-00 p.m. News and Economic Review in English. 7-45 p.m. Today in Germany. Sound Pictures. 8-00 p.m. Big orchestral concert: German Master Composers. 9-00 p.m. Works for piano op. 76 by Brahms. 9-15 p.m. Sonata in a major op. 12 by Beethoven. 9-15 p.m. Close down.

ITALY (Rome)

Wavelength 25,400 and/or 31,130 Metres.

11-50 a.m. Varied programmes. 6-45 p.m. Concert Talk for children: "Ballia day: riders," 7-30 p.m. News in English. 8-30 p.m. Topical Talk: "Dante Celebrations at Ravenna." by Giorgio Belloni. Vocal concert by Isa Spadavecchia: soprano; Carlo Pistani: baritone. Replies to letters of radio listeners.

12-00 p.m. Variety Programme. 3-30 p.m. Serenade from Verdi. Sport news. Latest news. 11-10 p.m. Arabic music.
Thursday, 12th November

VUD 350.9 metres, 855 kc. 31.35 metres, 5965 kc.

a.m.
1-30 Light Music.

11-0 A Recital of Records. (Recorded).

3-6 Time Signal.

2-30 Quawals. (Recorded).

1-30 Launch of the Story of Madhumala (1st Part).

1-30 The Story of Madhumala (2nd Part).

2-36 A Relay from the Capitol Cinema.

3-9 Symphony No. 5 in E flat Minor.

5-3 P. S. Mukerji. "Bazazukari On Sarod.


7-0 "Far Villagers Only." (Dheli Market Rates at 7-30 p.m.)

8-0 Talk (Hindustani): "Where does it come from?" No. 3. The Printed Book.


9-45 The News in English.

10-0 Light Classical Music.

11-0 With Srinivasa, Harmonium and Tabla. Close down.

11-03 Transmission HI.


8-0 A Violin Recital.

By GRACE BELLOUT, A.R.C.M.

At the Fitzwilliam Leichhardt, Mus. Bac. (Cant) F.R.C.O.

London.

B: "Sonata for Violin and Piano" in A Major.

By Grigory Kharitonov.

In Stories and Riddles.

A: "The Phantom Watch" No. 11.

By P. S. Mukerji.

"A Relay from the Capitol Cinema."

Music.

"Sonata for Violin and Piano" in A Major.

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Music.
TRANSMISSION 1.

GSP 15.31 Mc/s (09.56 m.), GSD 11.25 Mc/s (25.53 m.), GSC 9.58 Mc/s (31.32 m.).

a.m.

4-30 Big Ben. "A Pianoforte Interlude." By Edmund Rubbie.

4-40 Science Talk No. 6.*

5-0 Pipe Music.

By Pipe-Major Robert Reid.

5-10 Scenes from "The Trojan Women of Euripides."* Translated by Galbert Murray. Production by Howard Rose.

5-30 Chamber Music.

(The Canadian Trio: Ida Nelson (Violin); Zara Nelson (Violoncello); Margaret Chamberlain (Pianoforte).

6-10 The News and Announcements.

Greenwich Time Signal at 6.15 a.m.

6-30 Close down.

TRANSMISSION 2.

GSP 11.75 Mc/s (25.33 m.), GSC 9.56 Mc/s (31.32 m.).

a.m.

7-30 Big Ben. Descriptive Talk, and a Service of Remembrance from the Cenotaph, Whitehall, London.*

Brief descriptions of the scene by Major J. B. S. Bourne-May. The Combined bands of the GUARDS.

A. 4.30 p.m. The Silence. For thought and prayer during the Silence: "In remembrance of those who made the great sacrifice, O God, make us to know them, give us peace in our time.

The Last Post.


8-25 Musical Interlude.

8-30 Festival of Empire and Remembrance,* presented by the British Legion.

From the Royal Albert Hall, London.

8-50 "Food for Thought.*" Three talks on matters of topical interest.

9-10 The News and Announcements.

Greenwich Time Signal at 9.15 p.m.

9-30 Close down.

TRANSMISSION 3.

GSP 21.47 Mc/s (09.32 m.), GSF 16.14 Mc/s (19.82 m.), GSB 15.13 Mc/s (31.32 m.).

p.m.

10-30 Big Ben. "Hourly Music-Makers.*

8.51 'Round and About.*

8-50 The BBC Empire Orchestra.

Leader, Daniel Mole; conductor, Eric Ford. Leslie Finnerman (Pianoforte). Overture, Il Sensale (Mozart). Symphony Prelude (Schirn and Gersnt). Op. 51 (Paul Grainger). Leslie Finnerman and Orchestra: The Shepherd on the Rock (Glionnett). Schubert, Orchester: Sate trees: (1) Poesie du vague (Rambert); (2) En librannt (Dju); (3) Poesie du vague (Djou), Leslie Finnerman: Abente (Metamorphosis). Ah! I should have loved you (Levi-Kirsten). So We'll Go up More a-Roving (Mozarte Valerie White), A Song of the Open (La Forge). Orchestra: Norwegian Rhapsody (Lade).

9.00 'A Scottish Notebook.*

A talk by J. R. Allan.

9-15 'Within the Law' (Part 1).* By Bernard Weller. Adapted and produced by Howard Rose.

Greenwich Time Signal at 9.30 p.m.

10-00 The News and Announcements.

10-20 Music by Scarletti.*

10-30 Close down.

TRANSMISSION 4.

The followfre frequencys will be used:

From 10.45 p.m. to 2.30 a.m.

GSI 15.26 Mc/s (07.96 m.), GSF 11.25 Mc/s (25.53 m.), GSB 15.13 Mc/s (31.32 m.).

From 2.45 a.m. to 6.30 a.m.

GSR 15.14 Mc/s (19.82 m.), GSI 11.75 Mc/s (25.53 m.), GSB 15.13 Mc/s (31.32 m.).

p.m.

10-45 Big Ben. Sydney Kyle and his Band.

"The Fair Maid of Perth.

March (4) Bohemian Dance (Bizet). Les Preludes (Liszt).

11-30 The News and Announcements.

11-45 Music Interlude.*

11-55 'A Scottish Notebook.*

A talk by J. R. Allan.

TRANSMISSION 5.

GSO 15.30 Mc/s (19.36 m.), GSF 15.14 Mc/s (19.82 m.), GSB 9.51 Mc/s (31.55 m.).

a.m.

12-10 The Young Broadcasters.

A variety entertainment by three professionals under the age of seventeen.

The BBC Variety Orchestra, conducted by Ernest Leopold.

p.m.

12-30 A Recital.

By Frederick Gricek (Pianoforte), Ambrose Guanti (Viola), John Tucker (Harp), and Olive Dyer (Soprano).

1-00 Scrapbook for 1936.*

Presented by Leslie Bully and Charles Brewer. The BBC Theatre Orchestra, conducted by Mark H. Lubbock.

2-00 Syncopated Songs.

Close down.

2-30 The News and Announcements.

5-00 'Empire Magazine,* No. 13.*

A weekly review of things at Home. Edited by Pascoe Thornton.

3-21 A Recital.

By Erle Godlie (Baritone).

Greenwich Time Signal at 3.30 p.m.

3-40 A Talk.*

5-55 Dance Music.

4-15 Electrical recording. 

Gramophone records.

GERMANY (Berlin)


10-40 a.m. Music for all, 11.45 a.m. Music for all (cont'd.). 12.30 p.m. News and Economic Review in English. 12.45 p.m. Today in Germany. Sound Pictures. 1.40 p.m. Radio-play: "The main film has not begun yet" by Werner Gehrlichlager. 1.45 p.m. Chamber Music. 2.30 p.m. National-Socialist News by Dr. Werner Stielers. 2.45 p.m. "Harfnergesange" by Franz Schubert. 3.15 p.m. Let us sing a Folk Song together. 3.30 p.m. Piano Recital op. 76 by Brahms. 3.45 p.m. Close down.

4-30 p.m. Concert of Light Music. 5-30 p.m. News in English. 5-45 p.m. Concert of Light Music (cont'd.). 6-25 p.m. Greetings to our Listeners in the Far East. 6-45 p.m. Folk songs: Spin, spin, my dear Daughter! 7-30 p.m. News and Economic Review in English. 7-45 p.m. To-day in Germany. Sound Pictures. 8-0 p.m. Scenes from "Götterdämmerung" by Richard Wagner. 9-15 p.m. Topical Talk. 9.30 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: "Leaders and Captains in the Mediterranean Sea." by General Francesco Grazini, Senator. 7-30 p.m. News in English. Operatic Selections. 10.00 p.m. Vaudeville, Poetical readings by Rita Giannini. Sport news. Latest news. 11.00 p.m. Arabian music.

AIRCLIPSE AERIAL

banishes interference. It sharpens selectivity and gets distant stations with amazing clarity. This is no cheap "aerial eliminator." The AIRCLIPSE is not a condenser. It is an auto-inductive screened aerial. With an outside aerial it will render music and speeches crystal clear.

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

All Times are given in Indian Standard Time.
Friday, 13th November

TRANSMISSION III.

p.m.
5.0
Time Signal.

5.10

5.15

5.20
AIR Orchestra.

5.30
Brinder Singh Rawat. Thumri Bhim Pali.

5.50
Mr. Habib Ram. "Jai Bhawani pat.

6.10
Benazir Bai of Jaipur. Khagol Pariya.

7.00
Diwali Celebrations.

7.50
Brinder Singh. Punjab Geet.

8.00
Benazir Bai of Jaipur. "Kuam jis ne bhi nali ke sah box tak.

8.50
Benazir Bai of Jaipur.

9.50

10.00

10.30

11.00
Talk (English) : "The Month in Agriculture." No. 3.

By A. M. LIVINGSTON. Agricultural Marketing Adviser.

Hotel Marinera Viennese Orchestra.

Leader EDDIE KLEIN.

PROGRAMME.


Close down.

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

DIVALI.

p.m.
12.30
Light Classical Music.

By PROF. AMANULLA KHAN.

With Sarasang, Harmonium and Tabla.

Available Market Rates.

A Popular Programme.

By THE MILITA ELECTRONIC ORCHESTRA.

orchesra.

March. "I Lombardi a Firenze." - .


2-30
Close down.

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

"A Pianoforte Recital.

By JAN PABERESKY.

Nocturne in E flat major. Chopin.


Mozart. Chopin.

5.30
Time Signal.

5.45
Talk (Marathi). "Amchya Samajik Chali Riti.

By LEELA NIMBRAM.

5.50
"Garba.

By NIMRAQA OBA.

7.15
Recitations from the Holy Quran.

By MOULY GULAM MOHOMED KAMAR.

7.30
Hindustani Songs.

By TURJ EFENDIO.

8.30
Commercial News and News in Hindi.

9.0
Light Music.

By DEVIJIT LADCE.

With Sarasang, Harmonium and Tabla.

By K. YUSEF EFFENDI.

Talk (English) : "International Affairs." By E. J. GOUCHE.

9.45
The News in English.

10.0
A Studio Concert.

By HAZEL DAVID, Sophie.

The ART PLAYERS.


With Sarasang, Harmonium and Tabla.

By K. YUSEF EFFENDI.

Talk (English) : "International Affairs." By E. J. GOUCHE.

9.45
The News in English.

10.0
A Studio Concert.

By HAZEL DAVID, Sophie.

The ART PLAYERS.


With Sarasang, Harmonium and Tabla.

By K. YUSEF EFFENDI.

Talk (English) : "International Affairs." By E. J. GOUCHE.

9.45
The News in English.
**Friday, 13th November**

**p.m.**

5-30 'A Nest of Singing Birds.'


5-50 Light Orchestral Music.

10-0 The News and Announcements.

10-20 The Carlton Hotel Orchestra.

Directed by Rev. Thomas Jones (from the Colton Hotel, London).

10-30 Close down.

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**TRANSMISSION 4.**

The following frequencies will be used:

From 10-45 a.m. to 2-30 a.m.

GSH 15.14 Mc/s (19.66 m.), GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.).

From 2-30 a.m. to 4-15 a.m.

GSP 15.14 Mc/s (19.66 m.), GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.).

10-45 Big Ben. Around the Counties, 6. *Berkshire— the "Royal County."*

Written by John W. Coulter and produced by John Pudney.

11-17 The Arthur Daly Quintet.

_Greenwich Time Signal_ at 11:30 a.m.

11-30 The News and Announcements.

11-50 The BBC Theatre Orchestra.

Leader: Montague Bruce; conducted by Harold Law, J. Savoy (Soprano), Ballet Music, La Source: (1) Scène décors (2) Scherzo Polka (3) Parca (4) Marche danse et finale (Delibes). Production by John Pudney.

a.m.

12-30 Variety.

1-0 The Younger Generation Entertains.

1-30 'Within the Law,' 6. *Beryl Rose.*

Adapted and produced by Howard Rose.

2-15 Close down.

2-30 The News and Announcements.

2-50 The BBC Military Band.


3-50 Serenade.

4-15 Close down.

*Audio recording.*

---

**B.B.C.**

**TRANSMISSION 5.**

GSP 15.31 Mc/s (19.60 m.), GSD 11.75 Mc/s (25.53 m.), GSB 9.51 Mc/s (31.55 m.).

11-30 A competition:  A Meeting of North, East, South, and West.

2-15 p.m. A Great Man and a Great Physician. Directed by Henry Hall.

3-30 p.m. News and Economic Review.

6-00 A Symphony.

4-45 'Empire Bookshelf.'

Excerpts from 'Coronation Journal' (Melbourne, a Hundred Years Ago). Edited by Hugh MacLean. Read by Nesta Sawyer.

5-0 A Symphony.

5-45 'Empire Bookshelf.'

Excerpts from 'Coronation Journal' (Melbourne, a Hundred Years Ago). Edited by Hugh MacLean. Read by Nesta Sawyer.

6-0 The BBC Dance Orchestra.

Directed by Henry Hall.

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**TRANSMISSION 6.**

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

11-30 A competition:  A Meeting of North, East, South, and West.

12-00 p.m. A meeting:  The Younger Generation Entertains.

2-15 p.m. A competition:  A Meeting of North, East, South, and West.

3-30 p.m. News and Economic Review.

6-00 A Symphony.

4-45 'Empire Bookshelf.'

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**REPAIRS.**

For all repair work or for new sets or Radio-granophones built to individual requirements, with best workmanship our service backed by an enthusiastic band of radiomen provides you and your friends with a dependable service when the best is required.

**B.C.I.**

Telephone: 30523.
Saturday, 14th November

p.m.-
6-30 Afral Hussain
"Nahin ishq men is ka to raaj hamen keh shikhebogaraz zara na raha
Gham is-ubah to aapa raaj raha koi aur bala se raha na raha." (Hajef).
9-30 Navah Jan Rampuri.
"Nigah-baar-aman ka charcha na bo jae. " (Hajef).
Ham hi men thi na koi bat yad na unko anake
Tum ne hamen bhalon diye ham na magar bhalo sake." (Hajef).
7-40 "For Villagers Only."

7-30 Light Music
By Shalmal Mogokkar
With Sarorek, Harmonium and Table.


9-0 Kheema and Shehara
By Sairaul.

By Razy.

9-45 The News in English.

10-0 Dance Night.
By The Merry Wabbards Dance Band.

VUD 340.13 metres, 822 kc/s.
Time Signal.
Close down.

10:45 Nawab Jan Rampuri. Khayal
9-45 9-15 a.m.
9-45 9-15 p.m.
2.30 1-0
1-30 " Miscellaneous."

4-30 Light Music
By Shalmal Mogokkar
With Sarorek, Harmonium and Table.

5-0 Talk (Gujeraii) :
By Baburao Oza.

5-15 Gujerati Songs
By Barbara N. Oza.

5-30 A Relay from the Royal Cinema.
(By kind permission of the Management.)

6-0 Hari Katha
By Shivpal Kathanachak.

6-15 Talk (Hindi) :
"My Travels in Foreign Countries."
By H. H. Khan.

All Times are given in Indian Standard Time.
Saturday, 14th November

TRANSMISSION 1.
GSO 15.18 Mc/s (89.6 m.), GSO 9.51 Mc/s (51.55 m).

p.m.
1-30 Big Ben. The BBC Dance Orchestra.*
Directed by Henry Hall.
2-10 Sea Power No. 6.**
A talk by the Rt. Hon. Sir Samuel Hoare, G.C.S.I., G.B.E., M.P.,
First Lord of the Admiralty.
2-30 Variety.
2-40 'A Nest of Singing Birds.'**
English poets on English birds. An anthology compiled by A.
Daimond Hawkins. Production by John Pudney.
3-0 Light Orchestral Music.†
3-10 The News and Announcements.
Greenwich Time Signal at 3.15 p.m.
3-30 Close down.

TRANSMISSION 2.
GSO 21.47 Mc/s (93.97 m.). GSO 15.14 Mc/s (91.82 m.).

p.m.
4-30 Big Ben. Around the Counties, 6. 'Berkshire—
the "Royal County."'
Written by John W. Coulter and produced by John Pudney.
5-2 A Studio Concert.
The J. H. Spivey Octet: Octet, Marion Brown (Trombone), Octet:
 did this G), The Head Chef's Dream (Hoffmeister), Nuages (Chaumette), Moorland Fiddlers (Arthur Lewis).
5-45 Close down.

TRANSMISSION 3.
GSO 41.74 Mc/s (93.97 m.). GSO 33.14 Mc/s (98.92 m.).

p.m.
7-30 Big Ben. 'Empire Magazine.' No. 13.*
A weekly review of things at Home. Edited by Pascoe Thornton
8-1 The Coventry Hippodrome Orchestra.
Conductor, William Parbery, From the Hippodrome Theatre
Cowes, Island. With The Radio Orchestra. Selection, Big Ben at
Hove (Hunter), A Perfect Day (Jacobs-Bond). Selection, Choral
Arrangements:
8-30 To be Announced.
9-0 The BBC Theatre Orchestra.
Greenwich Time Signal at 9:30 p.m.
9-30 Peter Yorke and his Orchestra.*
In a programme of d'voice music.
10-0 The News and Announcements.
10-20 The Hubert Brothers.*
Close down.

TRANSMISSION 4.
The following frequencies will be used:
From 10-45 p.m. to 2-10 p.m.
GSI 15.26 Mc/s (89.66 m.). GSD 11.75 Mc/s (52.53 m.).
GSI 9.51 Mc/s (51.55 m.). From 2-30 to 4-15 p.m.
GSI 15.14 Mc/s (91.83 m.). GSD 11.75 Mc/s (52.53 m.).
GSI 9.51 Mc/s (51.55 m.).

p.m.
10-45 Big Ben. The Children's Hour. 'The Castles of
England' No. 11.
A play by L. du Garde Peach.
Greenwich Time Signal at 11-30 p.m.
11-30 The News and Announcements.
11-55 Reginald King and his Orchestra.
James Tuning (Trombone).
12-30 * A Nest of Singing Birds.**
English poets on English birds. An anthology compiled by A.
Daimond Hawkins. Production by John Pudney.
12-50 Vienneuse Waltzes.†
1-0 'In Town To-night.'
A weekly programme, including short talks by people of all classes.
Produced by A. W. Hanson.
1-30 To be Announced.
2-0 Peter Yorke and his Orchestra.
2-15 Close down.
2-30 The News and Announcements.
2-55 Music Hall.
With the BBC Variety Orchestra, conducted by Charles Shawcliff.
Greenwich Time Signal at 3-10 a.m.
3-50 The BBC Theatre Orchestra.
Leader, Montague Brereton; conducted by Harold Lowe.
Robert Nofer (Trombone), Morris Cottrell (Brass), Overture
The Land of Smiles (Liszt). Waltz, Girls of Baden (Humbert).
3-45 Close down.
4-15 Close down.
6-45 Grand Union Programme.

TRANSMISSION 5.
GSP 15.31 Mc/s (89.60 m.), GSO 11.75 Mc/s (52.53 m.),
GSC 9.58 Mc/s (33.33 m.).

a.m.
4-30 Big Ben. 'Harmony and Syncopation.'
5-40 'Sea Power No. 6.'**
A talk by the Rt. Hon. Sir Samuel Hoare, G.C.S.I., G.B.E., M.P.,
First Lord of the Admiralty.
5-0 Around the Counties, 6. 'Berkshire—the "Royal County."'
Written by John W. Coulter and produced by John Pudney.
5-30 A Recital.
By Maurice Alliers (Violoncello).
5-40 Henry Hall's Music-Makers.*
6-10 The News and Announcements.
Greenwich Time Signal at 6-15 a.m.
6-30 Close down.

TRANSMISSION 6.
GSO 11.75 Mc/s (52.53 m.), GSO 9.58 Mc/s (33.32 m.).

a.m.
A weekly review of things at Home. Edited by Pascoe Thornton
8-1 The Coventry Hippodrome Orchestra.
Conductor, William Parbery, From the Hippodrome Theatre
Cowes, Island. With The Radio Orchestra. Selection, Big Ben at
Hove (Hunter), A Perfect Day (Jacobs-Bond). Selection, Choral
Arrangements:
8-30 To be Announced.
9-0 The BBC Theatre Orchestra.
Greenwich Time Signal at 9-30 a.m.
9-30 Peter Yorke and his Orchestra.*
In a programme of d'voice music.
10-0 The News and Announcements.
10-20 The Hubert Brothers.*
Close down.

BE A SUCCESSFUL RAD f ENGINEER
Even now, the science of Radio is in its infancy. There are big chances for men who study
ahead of their jobs. Our free 250 page book-hand "Engineering Opportunities" shows how
you may gain sought after radio qualifications such as: A.I.R.E., A.M.I.E.R. So practical and
successful are these courses that the Philco Company of England have
recommended all their dealers and salesmen to take postal tuition from us. In addition, the
Institute of Radio Engineers have appointed us in an honorary advisory capacity.
This is undeniable proof that our courses are the best. Send a post card for this FREE book to-day!

BE A SUCCESSFUL RAD f ENGINEER

Germ any (Berlin)
10-40 a.m. Weekend Music. 11-45 a.m. Weekend Music
(continue). 12-25 p.m. Greetings to our Listeners. 12-30 p.m.
News and Economic Reviews in English. 12-45 p.m. Today
in Germany. Sound Pictures. 1-45 p.m. Homeland Melodies
from the Black Forest. 2-20 p.m. Suite for Cello and Piano
by Paul Graner. 2-15 p.m. Folk Music from Austria.
3-15 p.m. Women's Hour : Martinsmass. 3-45 p.m. Close
down.
4-30 p.m. Concert of Light Music. 5-30 p.m. News in
English. 5-45 Concert of Light Music (continue). 6-25 p.m.
Greetings to our Listeners in the Near East. 6-45 p.m. Eastern
Teletext of German Culture : II. The "Rommer" and the "
Coethausen" in Frankfurt-M. 7-30 p.m. News and Economic
Reviews in English. 1-45 p.m. Today in Germany. Sound
Pictures. 8-0 p.m. Military Concert. 8-15 p.m. Masterly
Piano Recital. 9-30 p.m. Close down.

Italy (Rome)
Wavelength 25.40 and/or 31.3 Meters.
5-13 p.m. Varnished programmes. 6-45 p.m. Concert.
Talk: "Today's questions and arguments." 7-30 p.m.
News in English. News in Hindustani. Concert by Cetra
Orchestra. Music rendered by radio listeners. 16-0 p.m.
Concert by F. I. R. Orchestra, Maria Senni : soprano; Biana
Sport news. Latest news. 11-15 p.m. Arabic music.
Sunday, 15th November

TRANSMISSION III.

p.m.
5-0 Time Signal.

5-10 1st News and Weather Report (English).

5-20 AIR Orchestra. Hans Norain.


VUB 390.9 metres, 855 kc/s. 31.36 metres, 950 kc/s.

BOMBAY

VUC 370.4 metres, 310 kc/s. 49.10 metres, 6.109 kc/s.

The Indian Listener

TRANSMISSION II.

p.m.
12-30 Time Signal.


1-00 "Ramdas." SB A Hindi musical play. Written and presented by L.H. Ghelani. Featuring Kamala, Fatma, Sahajdeva, Rahim, Lata Saha and others.

CLOSE DOWN.

CALCUTTA

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

The Indian Listener

All Times are given in Indian Standard Time.

Sunday, 15th November

TRANSMISSION III.

p.m.
5-0 Time Signal.

5-10 1st News and Weather Report (English).

5-20 AIR Orchestra. Hans Norain.


VUB 390.9 metres, 855 kc/s. 31.36 metres, 950 kc/s.

BOMBAY

VUC 370.4 metres, 310 kc/s. 49.10 metres, 6.109 kc/s.

The Indian Listener

TRANSMISSION II.

p.m.
12-30 Time Signal.


1-00 "Ramdas." SB A Hindi musical play. Written and presented by L.H. Ghelani. Featuring Kamala, Fatma, Sahajdeva, Rahim, Lata Saha and others.

CLOSE DOWN.

CALCUTTA

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

The Indian Listener

All Times are given in Indian Standard Time.
Sunday, 15th November

8-10 a.m. The News and Announcements.
Gurhwich Time Signal at 9.15 a.m.

9-35 a.m.
TRANSMISSION 1.
GSO 15.18 Mc/s (9.76 m.), GSB 9.51 Mc/s (31.55 m).

1-30 Big Ben. English Prose Reading.
1-46 A Brass Band Concert.
2-30 Weekly Newsletter.
2-55 Empire Service.

3-45 a.m. Close down.

TRANSMISSION 2.
GSO 21.47 Mc/s (13.97 m.); GSB 15.14 Mc/s (9.82 m.).

4-30 Big Ben. Sports Commentary.
5-2 An Organ Recital.
5-40 Talk: "Down to the Sea in Ships: Sea Power No. 6."
6-0 Walford Hyden's Magyar Orchestra.
6-25 Weekly Newsletter.

6-50 Musical Interlude.

7-10 Envoi.

7-15 a.m. Close down.

TRANSMISSION 3.
GSO 21.47 Mc/s (13.97 m.); GSB 15.14 Mc/s (9.82 m.).

7-30 Big Ben. A Programme of Indian Music.
7-40 A Programme of Oriental Music. (Not Indian).
7-50 The BBC Military Band.

8-30 Talk: "Down to the Sea in Ships: Sea Power No. 6."

8-50 A Recital of Chopin's Music.

9-10 Bells, and an Empire Service.

From St. Paul's Cathedral, London.

10-0 Weekly Newsletter.

10-25 Envoi.

10-30 a.m. Close down.

TRANSMISSION 4.
GSO 15.14 Mc/s (9.82 m.); GSB 9.51 Mc/s (31.55 m.).

9-10 a.m. Big Ben. Troise and his Mandoliers.
11-0 A Classical Concert.

11-30 Weekly Newsletter.

11-50 The Old Folks at Home.

12-12 Talk: "I Was There."

All Times are given in Indian Standard Time.
In reply to this enquirer we would once again draw attention to previous answers to this problem, and we would ask all readers to read through previous replies before sending queries which have already been replied to. In any case, this is a matter in which a perusal of our advertising columns should prove profitable.

No. 61.—(a) Could you please give me advice regarding the elimination of aerial noises by the installation of a transformer or small condenser?—A. M. C., Nawanlagi, Ceylon.

(b) I cannot hear Delhi during the daytime on my 8-valve set. Why is this?—E. M., Jammagar.

(c) Can you suggest any measures of economy in maintaining my battery set? I live in a hilly tract many miles from a town, and accordingly find maintenance charges very high.—N. K. D., Vada.

(d) How can I stop electric main disturbances coming into my set?—N. B. H., Patna.

(e) I used to be able to get a number of stations on my set but lately I have been able to get only Bombay and Delhi. Why is this?—E. M., Jammagar.

No. 62.—(a) I wish to change my set into an electric set. Will you please give me full details?—M. M. A., Simla.

(b) As a general rule, the longer the aerial, the better the signal strength, although it must be remembered that the selectivity is correspondingly decreased. The length you mention is reasonably good, but it is the effective height of the aerial that really counts and not merely its length. Replying to your smaller query, we would state that signal strength should not suffer if you use an insulated stranded wire for the aerial.

(c) Please refer to the manufacturers of your set, or to your local dealer, as the details of the proposed change-over are rather complicated.

No. 63.—(a) Does lightning affect a radio set? If so, what should I do for protection?—J. S., Firozpur.

(b) I cannot hear Delhi during the daytime on my 8-valve set. Why is this? I cannot hear Calcutta at all. Why?—S. B., Patna.

(c) Having used my pick-up attachment for gramophone records, I find that the broadcasting facilities for charging batteries near you, we would suggest that you go in for wet accumulators for L. T. and H. T. purposes. We would also suggest that you find out whether your set employs class B amplification. If not, then you might save money in the long run by having your output stage altered by a good radio engineer, for sets having such a circuit have proved to be very economical in battery consumption.

(d) Please refer to the manufacturers of your set, or to your local dealer, as the details of the proposed change-over are rather complicated.

No. 64.—(a) Is it necessary to earth a universal set when using it on D.C. mains?—M. M. A., Simla.

(b) I am experiencing trouble in receiving a station which contains radio news and technical information which contains 12 insertions) (24 insertions)

(c) Yes, the signal strength of each will be weaker than if each had its own aerial.

(d) We cannot answer this query, as without seeing the circuit, no opinion can be formed. It would appear, however, that the enquirer is conducting certain experiments which will, in due course, provide their own answers.

No. 65.—Can you suggest any measures of economy in maintaining my battery set? I live in a hilly tract many miles from a town, and accordingly find maintenance charges very high.—N. K. D., Vada.

This is a very difficult question because All-India Radio has been faced with an identical problem in maintaining its village community sets. If there are facilities for charging batteries near you, we would suggest that you go in for wet accumulators for L. T. and H. T. purposes. We would also suggest that you find out whether your set employs class B amplification. If not, then you might save money in the long run by having your output stage altered by a good radio engineer, for sets having such a circuit have proved to be very economical in battery consumption.

No. 66.—(a) Will there be any change in reception of foreign and local stations if two receivers (superhet) are connected to a common aerial?—M. M. A., Simla.

(b) In such a case, if one of the receivers has no earth, and gives a heavy shock, will it burn out the primary of the 1st transformer if the other receiver has an earth?—K. A. L., Bombay.

(c) What is a good magazine published abroad which contains radio news and technical information?

(d) It is always safer to have a lightning arrester.

(e) This problem of not hearing certain Indian stations has already been answered in these columns, whilst in our "On the Air" notes we have also explained the limitations of all the transmitters so far erected in this country. It must be remembered that the "range" of Delhi station is only 80 miles;—that is, regular and steady and efficient service is only assured within that range. True, the indirect rays from that station travel much farther than that distance, but as they are largely absorbed during daylight, Delhi can usually be heard at long distances only after nightfall when weather conditions are favourable.

(f) It would seem that your H. F. stage is out of order. You must have it tested by a reliable service engineer or radio dealer.

(g) There are a large number of wireless magazines published in different countries of the world. Particularly of an interesting one, however, are to be found in the advertisement columns of this issue, in which subscription price, etc., of the "Wireless World" is given.

(h) It seems to us that your single-pole switch will serve the same purpose as the double-pole switch which you have been persuaded to buy. But your receiver aerial lead should be connected to the left-hand terminal of your switch, and the receiver earth to the right-hand terminal. To safeguard your set, it would be better to put in one amper fusewire in your receiver aerial lead.
<table>
<thead>
<tr>
<th>STATIONS</th>
<th>METRES Kc/s</th>
<th>I. S. T.</th>
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<tbody>
<tr>
<td>Pittsburgh Pa</td>
<td>13,91</td>
<td>5-30 to 6-30 p.m.</td>
<td>Buenos Aires (Ar)</td>
<td>31.52</td>
<td>Daily 6-30 to 7-30 a.m.</td>
<td>Nairobi (Kenya)</td>
<td>49.31</td>
<td>Daily 2-30 to 3-30 p.m.</td>
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<td>Bandung, Java</td>
<td>13,91</td>
<td>7-30 to 8-30 p.m.</td>
<td>Schenectady (N. Y.)</td>
<td>51.48</td>
<td>Daily 2-30 to 9-30 a.m.</td>
<td>Vienna (Austria)</td>
<td>49.47</td>
<td>Daily 1-30 to 3-30 p.m.</td>
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<tr>
<td>Bangkok, Siam</td>
<td>16.91</td>
<td>6-30 to 8-30 a.m.</td>
<td>Jeloy (Norway)</td>
<td>9,130</td>
<td>Daily 3-30 to 3-30 p.m.</td>
<td>Cincinnati (Ohio)</td>
<td>49.50</td>
<td>Daily 6-30 to 7-30 a.m.</td>
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<tr>
<td>Schenectady, N.Y.</td>
<td>19.17</td>
<td>10-30 to 11-30 a.m.</td>
<td>Moscow, U.S.S.R.</td>
<td>31.51</td>
<td>Daily 12-30 midnight</td>
<td>Philadelphia (Pa)</td>
<td>49.10</td>
<td>Daily 5-30 to 7-30 a.m.</td>
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<tr>
<td>Buenos Aires, Arg.</td>
<td>19.61</td>
<td>3-30 a.m. daily</td>
<td>Melbourne (Australia)</td>
<td>31.55</td>
<td>Daily except Sunday</td>
<td>Cincinnati (Ohio)</td>
<td>49.9</td>
<td>Daily 9-30 to 11-30 a.m.</td>
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<td>15.40</td>
<td>to 6-30 p.m.</td>
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<td>31.82</td>
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<td>Barranquilla (Col.)</td>
<td>49.65</td>
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<td>1:30 to 4-30 p.m.</td>
<td>Budapest, Hungary</td>
<td>32.88</td>
<td>6-30 to 7-30 p.m.</td>
<td>Panama City (Pana)</td>
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<td>Daily from 7-30 a.m.</td>
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<td>19.71</td>
<td>4-30 to 5-30 a.m.</td>
<td>Hongkong (China)</td>
<td>9,725</td>
<td>Sunday</td>
<td>Singapore (S.S.)</td>
<td>49.85</td>
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<td>4-30 to 5-30 a.m. daily</td>
<td>Tenerifa (C. I.)</td>
<td>47.61</td>
<td>a.m. and 2-30 to 3-30 p.m.</td>
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<td>Suva Fiji</td>
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<td>9-30 to 3-30 a.m. daily</td>
<td>Valencia (Venezuela)</td>
<td>46</td>
<td>Daily 9-30 to 11-30 p.m.</td>
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<td>11 a.m. to 5 p.m. daily</td>
<td>Caracas (Venezuela)</td>
<td>47.01</td>
<td>Daily 9-30 to 11-30 p.m.</td>
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<td>Colombo</td>
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<td>Daily 5-30 to 8-30 a.m.</td>
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<td>Caracas (Venezuela)</td>
<td>48.06</td>
<td>Daily 5-30 to 8-30 a.m.</td>
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<td>Santiago (Cuba)</td>
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<td>Lorenzo Marques</td>
<td>48.89</td>
<td>Daily 10-30 p.m. to</td>
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<td>Madrid, Spain</td>
<td>30.43</td>
<td>3-30 to 7-30 a.m.</td>
<td>(Africa)</td>
<td>48.09</td>
<td>12-30 to 5-30 a.m.; Saturdays from 6-30 p.m.</td>
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<td>Macao (China)</td>
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<td>3-30 to 7-30 a.m.</td>
<td>Pittsburgh (Pa)</td>
<td>48.09</td>
<td>Daily 1-30 to 3-30 a.m.</td>
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<tr>
<td>Lisbon (Portugal)</td>
<td>31.01</td>
<td>Monday &amp; Friday</td>
<td>Lorenzo Marques</td>
<td>48.09</td>
<td>Daily 12-30 to 2-30 a.m.; Tuesday, Thursday and Saturday, 4-30 to 6-30 a.m.</td>
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<td>Pittsburgh (Pa)</td>
<td>48.09</td>
<td>Daily 10-30 p.m. to 12-30 midday; Saturdays from 6-30 p.m.</td>
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<td>Havana (Cuba)</td>
<td>49.02</td>
<td>Daily 3-30 to 9-30 a.m.</td>
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<td>New York (N. Y.)</td>
<td>49.02</td>
<td>Daily 7-30 to 8-30 a.m.</td>
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<tr>
<td></td>
<td></td>
<td>9-30 to 9-30 p.m.</td>
<td>Johanesburg(Africa)</td>
<td>49.02</td>
<td>Daily 9-30 to 6-30 a.m.; 2-30 to 7-30 p.m.</td>
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<tr>
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**Short-Wave Time-Table**
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<th>Ks</th>
<th>Station</th>
<th>Metres</th>
<th>Kcs/s</th>
<th>Ks</th>
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<td>913</td>
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<td>Toulouse (Radio Toulouse) (France).</td>
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<td>Eiffel Tower, Paris</td>
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<td>Radio-lyons (France)</td>
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<td>Riga (Latvia).</td>
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**SELECTED LONG AND MEDIUM BROADCASTING STATIONS.**

ARRANGED IN ORDER OF WAVELENGTHS.

**SELECTED SHORT-WAVE BROADCASTING STATIONS.**

ARRANGED IN ORDER OF WAVELENGTHS.