Wireless World

Guide to Broadcasting Stations

17th Edition

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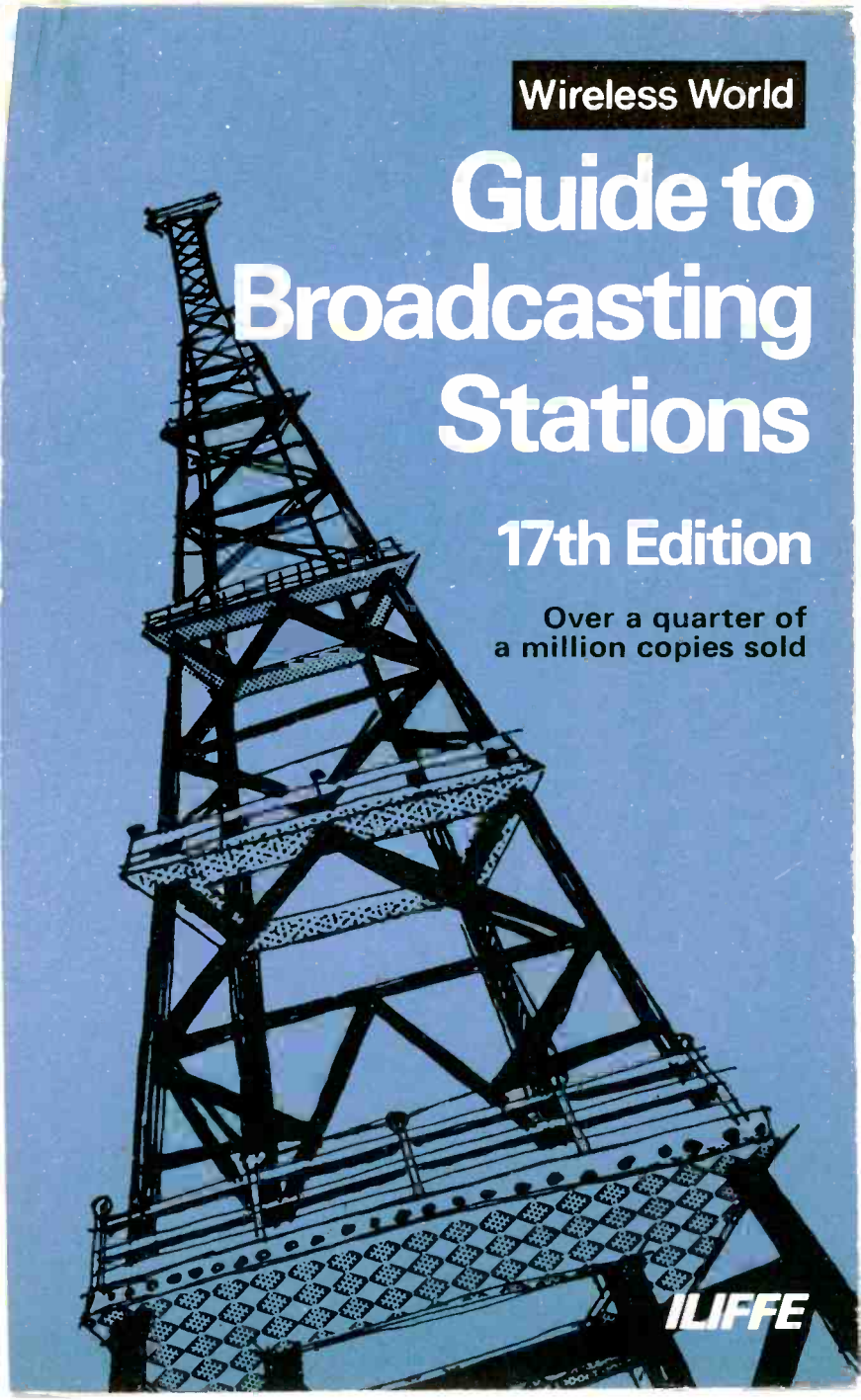

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A GUIDE TO LISTENING

1

RECEIVERS

It is probably true that the majority of sound radio receivers spend most of their time tuned to local stations. This is a pity because much interest can be derived from listening to more distant stations and even modest receivers can pick up a number of these. It is hoped, in these few chapters, to give information which will help listeners to get the best results from their receivers and thus to obtain the best possible reception of distant signals.

There are many types of receiver, from small battery-driven portables to elaborate mains-driven table models, consoles and radiogramophones. Obviously, the larger receivers are usually capable of better results than the simple portables. For medium- and long-wave reception most receivers have an internal ferrite-rod aerial, which enables them to receive the local stations and the stronger of the more distant stations. A point to remember, however, is that these aerials are directional and give very poor results when the rod points in the direction of the transmitter. For satisfactory reception, therefore, it is worthwhile checking whether the aerial is favourably oriented. Some portable receivers have a turntable built into the base to enable them to be rotated conveniently and larger receivers sometimes have a control which rotates the aerial through 90 degrees within the cabinet. In searching the wavebands, it is easily possible to miss signals from transmitters in line with the aerial and it is a good plan, therefore, to repeat the search with the aerial at right angles to its former position. Ferrite-rod aerials are not used for short-wave reception and these directional effects are not present.

Many receivers have aerial and earth sockets and it is possible to effect a great improvement in reception by using an external aerial. Suitable forms of aerial are discussed in Chapter Two. When an external aerial is used the effect on reception of rotating the ferrite rod is much less marked and may even be absent altogether.

Often, the tuning scales of receivers are marked with a wealth of station names, but it does not follow that all these stations can be received, even with a good external aerial. Equally, it should not be assumed that stations, even if they can be received, will be picked up at precisely the point indicated by the name on the scale. The calibration of a receiver is not always exact, even when it is new, and it tends to drift as the receiver gets older. Calibration can be checked by tuning in certain stations which maintain their allotted frequencies with great accuracy. Most transmitters have a reasonably good frequency stability but the following are particularly accurate:

Station	Wavelength	Frequency
Droitwich	1500 m	200 kHz
WWV Fort Collins, U. S. A.	60 m	5 MHz
WWVH Honolulu	30 m	10 MHz
MSF Rugby, U. K.	20 m	15 MHz
	15 m	20 MHz

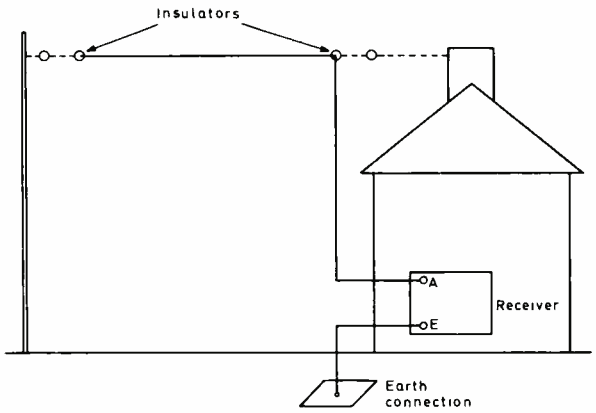
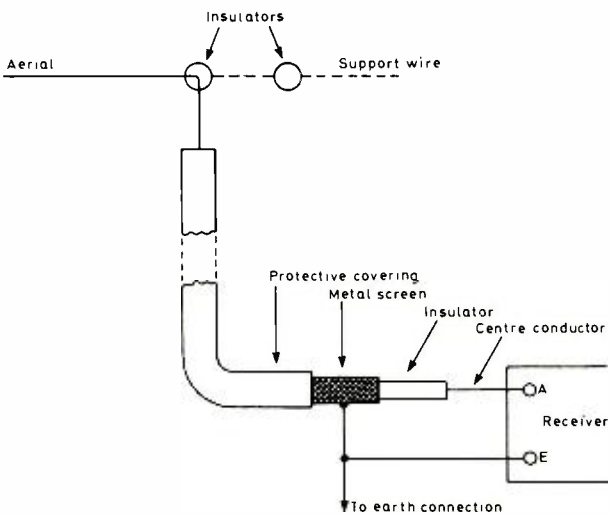


Fig. 1. Inverted-L aerial (a)



and screened down-lead (b)

AERIAL AND EARTH SYSTEMS

The type of internal aerial fitted in many long- and medium-wave receivers may be satisfactory for receiving local stations and perhaps the strongest of the more distant signals. Short-wave receivers often have telescopic aerials which can be extended to two or three feet in length and can sometimes be tilted. These, too, can provide satisfactory reception of the stronger signals.

Improved reception is often possible using an aerial external to the receiver supported, for example, on the wall of a room or in the roof-space. Results from indoor aerials are, however, often disappointing because the aerial is screened from the wanted signals by the walls and/or roof of the building and is near the electrical wiring and domestic electrical equipment. Indoor aerials are thus liable to pick up a high level of electrical interference.

For best results an outdoor aerial is essential and, if electrical interference is a problem, the aerial should be located in an interference-free area and special precautions taken to ensure that the cable connecting the aerial to the receiver does not pick up interference from the electrical system of the house.

LONG- AND MEDIUM-WAVE AERIALS

An inverted-L aerial (Fig. 1a) is quite suitable for long- and medium-wave reception. Results improve as the length of the horizontal section and the height about the ground are increased but it is often necessary to limit the length to 50 ft or less and the height to 30 ft. The horizontal section should be insulated from the supporting wires or ropes by several small porcelain insulators at each end. The downlead should be a continuous length of wire with the aerial and not joined separately because soldered and other kinds of joints are likely to deteriorate with weathering and eventually cause crackles and other effects in the receiver. The lead-in should be arranged to drop from the aerial well away from the building to avoid contact with gutters and to minimize pick-up of noise from the household electrical supply. If a tree is used to support the far end of the aerial, allowance must be made for the movement of the tree under windy conditions. The terminating wire or rope should be passed over a pulley and terminated with a suitable weight. In this way the tension in the aerial wire can be maintained independent of movement of the tree.

Sometimes it is convenient to take the downlead from the centre point of the horizontal section. The resulting aerial is known as a T-aerial and its performance is very similar to that of the inverted-L.

As a precaution against electrical interference the downlead can take the form of a coaxial cable, the inner conductor providing the connection to the receiver and the outer conductor being earthed as shown in Fig. 1b. By this means the downlead is screened so that only signals picked up by the horizontal wire are conveyed to the receiver.

Where there is insufficient space for an inverted-L or T-aerial or where electrical interference is a serious problem, a vertical rod, say 15 ft long, may be used. This should be mounted in an area where interference is a minimum (a chimney top is often a suitable place) and connected to the receiver by a screened lead as shown in Fig. 2. Aerial manufacturers market kits containing all the parts for such an installation including matching transformers for use at the aerial base and receiver input.

It is perhaps worth mentioning that many Band-I television aerials have

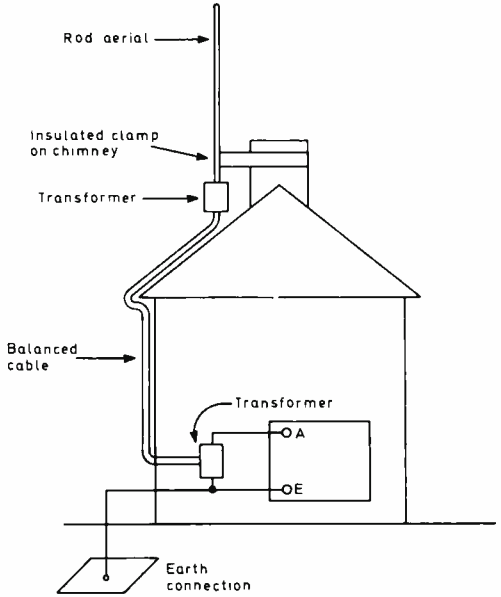


Fig. 2. Vertical rod aerial

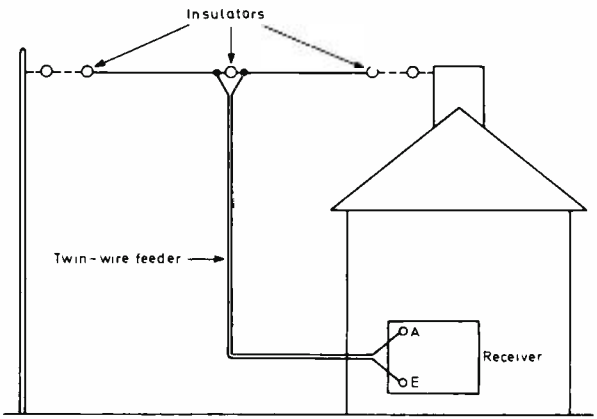


Fig. 3. Simple dipole aerial

a vertical rod connected to a coaxial downlead, and such aerials can be used satisfactorily for long- and medium-wave reception. If, therefore, such an aerial is available and no longer required for television reception, it could be used with a medium- and long-wave receiver.

SHORT-WAVE AERIALS

An inverted-L, T-aerial or vertical rod aerial is suitable for short-wave reception but where space permits there are more efficient types which can be used: these are directional aerials which should therefore be positioned to favour the direction of the transmitters it is desired to receive.

Half-wave Dipole

One suitable aerial is the half-wave dipole illustrated in Fig. 3. It consists of two horizontal arms connected to the receiver by a balanced feeder. The dipole should be mounted as high as possible but 30 ft is probably the maximum height which is convenient for most domestic situations. The length of each of the two horizontal arms should be chosen to suit the wavelength of the signals it is desired to pick up and varies between 38 ft for the 49 m band to 9 ft for the 11 m band. The aerial has maximum response to signals travelling at right angles to its length and has minimum response to transmissions arriving in line with the aerial.

A disadvantage of the simple dipole is that it is less effective on wave-bands other than those for which it has been designed. If, however, the two leads of the feeder are connected together and to the receiver aerial terminal, the earth terminal being connected to ground, the aerial then becomes a T type which can be used for long- and medium-wave reception as well as for short waves. A two-pole change-over switch can be used to convert the aerial from the dipole to the T form.

Inverted-V Aerial

A better form of directional short-wave aerial is the inverted-V (Fig.4). This provides a greater signal to the receiver than the simple dipole and

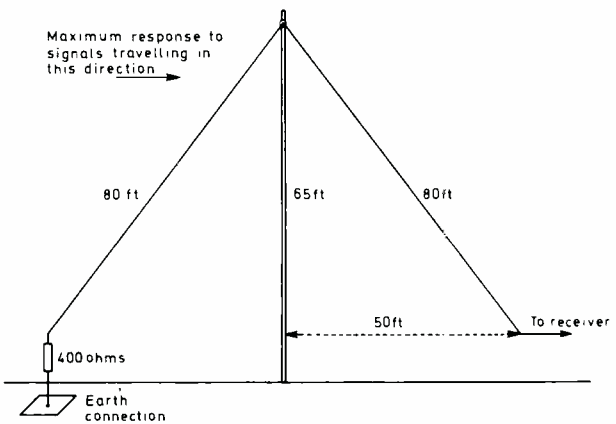


Fig. 4. Inverted-V aerial

by using the dimensions shown it can be effective over all the short-wave bands. It requires only a single support pole, one end of the aerial being earthed via a 400-ohm terminating resistor, the other being connected to the receiver input. This aerial has maximum sensitivity to signals travelling in the plane of the aerial as indicated in the diagram.

Beverage Aerial

The Beverage aerial demands length but not height and consists of a length of wire supported by a series of short poles, say 7 ft high and spaced sufficiently close to prevent undue sag. Each should be surmounted with an insulator to which the wire is bound, not looped, the aerial being terminated at the far end by a 600-ohm resistor. Wire length is not critical but it should not be less than about 150 ft and the lead-in should be direct to the receiver without significant deviation from the general line; if this can be achieved an r.f. transformer and coaxial line are not required to connect the aerial to the receiver. This aerial favours the reception of signals travelling in line with the aerial from the terminating resistor end, and is used professionally with wire lengths up to 3 000 ft.

EARTHING

When a receiver is supplied from a 3-pole mains socket there is a natural temptation to use the earthed pole of the socket as an earth connection for the receiver. Such a connection is likely to be unsatisfactory because the physical connection of the mains earth to ground is often at a considerable distance from the mains socket. Consequently the earth path may have appreciable resistance and can carry signals capable of causing interference to radio reception.

Where a receiver is provided with a signal earth terminal, local interference may be reduced by connecting the terminal by a short lead to a copper plate or earth rod buried in the ground. A similar connection is also required for inverted-V and some other aerials. A connection to a gas pipe is usually an unsatisfactory earth and may be extremely dangerous. A connection to a metal water pipe is satisfactory only if the pipe is connected directly to an underground water main: in many modern housing estates the metal pipes within the house are connected to buried polythene pipes and do not provide a satisfactory earth connection.

In situations where a satisfactory earth connection cannot be obtained and where local interference is a serious problem it is advisable to use one of the proprietary types of anti-interference aerial which are available.

3

PROPAGATION

Propagation of radio waves is a complex subject and in this brief chapter we can give only a general description of those aspects which may interest the man whose hobby is listening to broadcasts generally and who may be sufficiently enthusiastic to extend his listening to more distant and difficult signals.

A knowledge of the basic facts will ensure that listening is carried out at the right time of day for a given frequency and will certainly provide more enjoyment by enabling the listener to anticipate good reception conditions and eliminate fruitless searching when propagation is poor. Awareness of the trends in propagation will leave the listener in no doubt as to causes of changes in reception and will enable him to select the most favourable periods for searching for the weaker and seldom-heard signal.

There are good reasons why a particular broadcast may within a short period improve to a degree when programme content can be appreciated or conversely may virtually disappear. It can also happen that strong signals from a given area may suddenly disappear within a minute or two, yet are received at their former strength thirty minutes or more later. Normal fading of signals may become more rapid, accompanied by a fall in strength and a corresponding increase in noise. These are some of the effects which the listener will observe and which, if carefully considered, will enable him to assess some of the changes in the ionosphere which affect reception conditions.

The basic facts governing short-wave propagation can be summarized in the following way. Short-wave radio communication is achieved by waves which strike the ionosphere (electrified layers in the earth's upper atmosphere) at an oblique angle and are reflected back to earth to cover the receiving area. The waves may be reflected again when they strike the earth and reach other receiving areas after successive bounces from the ionosphere. However in certain areas, for example in the area between the transmitter and the first earth-reflection point, the transmission may be very difficult to receive: this is a so-called skip zone.

For satisfactory short-wave communication the frequency must be chosen with care. If it is too high, the waves penetrate the ionosphere and are lost in space: if it is too low the waves are attenuated by absorption in the lower regions of the ionosphere. Best results are achieved by using the highest frequency which does not penetrate the ionosphere and the value of this, the highest probable frequency (HPF), depends on the degree of ionization of the gases in the ionosphere. This in turn depends largely on the extent to which the ionosphere over the chosen path is illuminated by the sun. Thus the HPF varies with the time of day and with the time of year.

Any changes in the degree of ionization of the reflecting layer can affect long-distance reception and such changes can be produced by increased radiation from the sun, e.g. from blemishes on its surface such as sunspots and invisible areas called M regions. As seen from the earth, the sun takes 27 days to rotate on its axis and some effects on reception, particularly those due to long-lived M regions, tend to have a 27-day periodicity. Moreover the incidence of sunspots follows an 11-year cycle; this in turn causes an 11-year periodicity in short-wave reception conditions.

TIMING AND FREQUENCY

At any particular time, a survey of all the broadcast bands will indicate

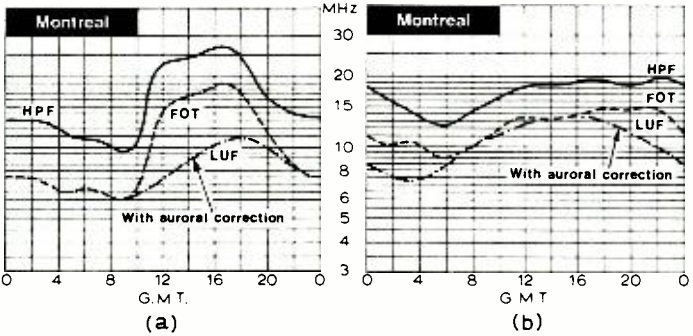


Fig. 5. Examples of HF prediction curves for the U.K.-Montreal path for January (a) and July (b). The highest probable frequency (HPF) is the median usable frequency exceeded on 10% of the days. The LUF (lowest usable frequency) curves are for commercial telegraphy and assume the use of high-power transmitters and rhombic aerials. The path to Montreal passes through the Northern Auroral Zone and waves are subject to additional absorption: a correction is made for this in calculating the LUF. The term optimum traffic frequency (FOT) is self explanatory

that some are very active (many stations being receivable, possibly with a fair amount of interference), while other bands may appear to be practically devoid of signals, apart from weak scattered radiation from stations some few hundred kilometres from the receiving site. These situations arise because transmissions are so arranged that programmes can be received at maximum signal strength in a desired area at local peak listening time. The choice is governed largely by HPF applicable to the required ionospheric path at that time, but the precise frequency may be somewhat lower to ensure that day-to-day variations in HPF do not seriously affect reception throughout the period of the programme or of the transmission schedule, which may be required to continue without alteration for a number of months. Prediction curves are published monthly in "Wireless World" for the paths from the United Kingdom to North and South America, South Africa and the Far East. Examples of such curves are given in Fig. 5a and b. The upper curve represents the HPF and, in general, frequencies above this value are heard infrequently. The lower curve indicates the frequency below which the signal-to-noise ratio of the received signal becomes unacceptable. If frequencies between these two boundary curves are used the transmitted wave normally propagates over the particular path and provides a service in the target zone. Frequencies which approach the HPF produce the stronger signal but their propagation is more likely to be affected by ionospheric disturbances. It is impossible to predict with accuracy the variations to which signals are likely to be subjected, although short-term predictions based on daily observation of signals received can provide fair accuracy.

It is not good practice to make frequent changes of frequency in a

broadcast schedule because the listener expects to find the programme at the same spot on the tuning scale. Thus to offset the variations of MUF and make best use of the transmission paths, two or more transmitters are used to radiate the same programmes on different frequencies. Thus a programme may be radiated simultaneously on say the 17, 15 and possibly the 11 MHz bands, so that when the HPF is high the 17 MHz signal is good and well supported by 15 MHz, whilst the low-frequency channel may suffer from some absorption. When the HPF is low, the 17 HMz signal is weak and a better service is obtained on 15 and 11 MHz.

Announcement made prior to close-down and radiated by all broadcasts in the same network mention the frequency of the broadcast band which is closing and that which is opening. For any target zone the peak listening time is evening and the schedules of transmissions to that area are arranged to provide programmes at that time. Frequency separation on the short-wave bands is only 5 kHz and there may be difficulty in receiving a programme clear of interference.

The broadcast bands and their frequency limits are shown elsewhere in this book, and in general transmissions must, by international agreement, be confined to these bands. Other services are similarly restricted to certain frequencies. The highest allotted frequency used in short-wave broadcasting is 26.100 MHz: thus when the HPF exceeds that figure, maximum use of propagation conditions cannot be obtained. However, most domestic receivers have an upper tuning limit as low as 21 or even 17 MHz.

Comparison of Fig. 5a and b shows that under summer-time conditions the HPF curves flatten considerably, day-time frequencies being lower and night-time frequencies higher than in winter-time. In the summer more transmissions are crowded into fewer bands and interference problems increase.

At periods of minimum solar activity HPFs are generally lower throughout the year and the reduced spectrum available for broadcasting causes increased interference.

The h. f. predictions published in "Wireless World" illustrate the changing shape of HPF curves, and the listener is advised to retain these for future reference. Although these are not absolutely correct for the following year, the differences are generally slight.

Sunspot maximum conditions having occurred in 1968 there will be a gradual decrease in the HPFs until sunspot minimum conditions are reached in 1974/5 after which the HPFs will increase towards the next maximum.

PROPAGATION DISTURBANCES

The ionosphere is subject to disturbances which can affect radio reception. The disturbances are usually caused hy sunspots and their effect is to make the reception of certain of the short-wave broadcast hands difficult or even impossible. Thus, under certain conditions, signals in the high-frequency bands may be weak although the low-frequency bands are normal. Alternatively, the high-frequency bands may he normal and the low-frequency hands weak. Under more exceptional circumstances all the broadcast bands may be inaudible.

Thus, if short-wave reception is found to be very poor, the most likely cause is a disturbance in the ionosphere and it is unlikely to last more than a few days. Most of the disturbances last only a few hours.

4

SIGNAL IDENTIFICATION

A broadcast programme normally originates at some particular studio location and is radiated by one or more transmitting stations which may be located elsewhere. Signal identification involves a knowledge of broadcasting organizations and their programmes, transmission schedules and target areas, rather than merely a knowledge of transmitting stations.

Identification is greatly assisted by an understanding (or even recognition) of the language used, although this can be that of either the broadcaster or his target, or occasionally neither. Interval signals, clock chimes, times of operation, types of programme and signal strength also aid identification.

ANNOUNCEMENTS AND LANGUAGES

The large number of languages used in short-wave broadcasting would be beyond the ability of one person to learn, but consistent listening to broadcasts from known countries, many radiating similar versions of the current world news, gives good practice in recognizing languages. The sound pattern of an unrecognized language should be compared with other broadcasts of languages which appear similar, remembering that a dialect may be used. Knowledge of the normal occupants of a waveband in terms of broadcasters and their programme schedules is also useful in language recognition.

INTERVAL SIGNALS

Interval signals, or particular tunes, are often used to preface the start of transmissions or programmes, typical examples being the use of Bow Bells, Greenwich Time Signal and Big Ben by the B. B. C., the Canadian National Anthem by Sackville, the Kremlin Bells by Moscow and the Kookaburra by Melbourne. Eastern European stations often use the first few bars of a well-known melody, which may have been written by an eminent composer, and there are many other instances of the use of a characteristic signal.

If these signals can be recorded on tape, a library of interval signals can be built up. Each recording should be annotated with the details of reception, to increase its usefulness as a reference guide.

MAKE-UP AND TIMING

The make-up and timing of broadcasts can often prove useful in identification. If a continuous programme is well balanced between music, speech, drama and other items, it is probably intended for home consumption and the opening and closing times of the transmission will give some idea of the time of day in the country of origin. A programme consisting of short items, with a preponderance of speech, starting or finishing at odd times, is likely to be a service for listeners outside the country. Clock chimes may narrow the choice, by fixing the time zone, and they often precede an announcement or news bulletin. Listeners should be familiar with the time zones occupied by major countries, not forgetting that some have summer time. The relaying of programmes can produce difficulties; for instance, London's Big Ben is heard from stations all over the world. Nevertheless, continued listening may provide a clue, which can be a change of atmosphere at the conclusion of a relay, or an announcement that follows.

Most broadcasts begin with a period of tone for technical alignment purposes, followed by an interval signal and announcement, then possibly a time check, and finally the programme. The frequency of the line-up

tone differs from one organization to another; thus the B. B. C. uses 1 kHz, Western Germany 900 Hz, and some authorities use 440 Hz, the musical pitch of the A above middle C.

The close-down of a transmission is also important, because of the probability of announcements, and perhaps a national anthem or clock chime.

PROGRAMME CONTENT

The type of programme may yield evidence of the nationality of the broadcasting organization and of the intended zone of reception. Domestic services can generally be recognized by the parochial nature of the news, the coverage of world events being small. Programmes for a country's nationals abroad are often a blend of domestic and world news, with commentaries in the national language; a typical example is the B. B. C. World Service. Frequent news bulletins, almost exclusively concerned with world events and given in many languages, strongly suggest a service intended for foreign listeners.

SIMULTANEOUS BROADCASTS

When a programme whose source is unknown is sufficiently intelligible to be followed to a limited extent and a guess made at the language, a search for the identical programme on different frequencies may help identification. A second receiver is useful for this, because it can be tuned to known stations operating services in the supposed language. If another transmission carrying the programme is found, it may be assumed that both originate from the same source, though not necessarily from co-sited transmitters. One transmission may be a relay, and if so the quality of the unknown transmission may not be as good as the known.

It may still be difficult to determine the location of the unknown station, though listening at times of programme change for local or regional announcements can help in reaching a conclusion. At such times there may be changes in fading characteristics and background noise, indicating the conclusion of a relay and suggesting that the signal has been affected twice by ionospheric conditions. A typical example of relays is provided by the B. B. C. World Service broadcast from the U. K. and relayed by bases in the Middle East, Far East and South Atlantic; other examples are provided by Deutsche Welle in Germany and its relay base in Africa, by Paris and Brazzaville, and by the Voice of America at Greenville and its overseas stations at Tangier, Munich, Monrovia and elsewhere.

The stronger of two signals carrying the same programme may not necessarily be that of the nearer transmitter. The receiving location may be in the skip zone of this transmitter and thus obtains a weaker signal. A better signal may also be obtained from the more distant transmitter if this is beamed towards the receiver site.

Programmes which are broadcast simultaneously on a fair number of frequencies can be generally quickly identified as belonging to the same country or programme network. Even if foreign languages cause difficulty, the sound pattern of any language may indicate that the programme is originating from the same source irrespective of the number of transmitter outlets it may be heard on. With some experience, it becomes possible to identify languages without understanding them; thus if Cairo broadcasting in Arabic is positively identified, it is then feasible to recognize Arabic programmes in the external service of another country.

If a simultaneous broadcast cannot be found, but the programme pattern can be established, a search of programme schedules issued by the various countries may show details which conform closely to those of the unknown station.

TAPE RECORDING

A tape recorder is useful to aid identification, to give positive proof of reception, and to provide a tape library of announcements and call signs, and the interval signals and jingles which characterize so many programmes and broadcast services. The tape machine should be close to the receiver and available for immediate use with its input connected to the receiver output, the mains supply switched on and a tape ready to record.

Any announcement heard which is not readily identifiable may be recorded and later played back repeatedly to help in identifying the language or recognizing some feature. Microphone facilities are useful to enable details of the time, date and approximate frequency or wavelength to be added to the recorded announcement. Such recordings could well form the beginning of an index of station announcements, which might later be arranged in country or geographical order to facilitate further research.

Tape recordings can be made of the signature tunes which most stations use either prior to their opening announcement or before particular programmes. Signature tunes are usually repeated for some minutes before the scheduled opening time, and as indicated previously, they may consist of a well-known melody characteristic of the country, of a few tones, or of bells or clock chimes. These tunes, when memorized, can provide an instant means of identification, but while some are distinctive, others are not, and a tape recording is often useful for comparison.

RECEPTION REPORTS

Reports on reception are always welcomed by broadcasting organizations, whether the listener is located in the target area or not. Such reports can provide useful information on transmissions, and help the broadcaster to assess the accuracy of the assessments on which his schedule was based and the effectiveness of the service.

Reception reports should be concise and accurate and should follow established form. This is preferable to a letter, which takes time to read and assess, and may require the extraction and tabulation of detail by qualified engineers to make it suitable for comparison with other similar reports. The assimilation of reports in a large broadcasting organization must follow a procedure requiring minimum effort, and this is possible only if listeners set out their reports in a standard manner. The information given can then be quickly and accurately assessed by junior staff, who may be trained to present the results in a form suitable for analysis by computer.

The detail which can be provided in a reception report is, however, quite large, and is of great importance when it is based on a test transmission. Information on every aspect of such transmissions is required, and each reception report is studied in detail. Where broadcasts follow a pattern or schedule of long standing, much detail can be omitted and the report can be shortened. The analysis of abbreviated reports of daily reception conditions supplies the transmission schedule engineer with a constant flow of information on signal strength, interference and overall merit. Thus any deviation from normal reception is easily detectable and can be investigated. Possibly the ionospheric path may have changed and a different frequency or aerial array may be needed; perhaps new interference has appeared and steps must be taken to eliminate or avoid it.

SINPFEMO, SINPO AND SIO

The generally recognized form for reports is based on the SINPFEMO code. Each letter signifies a particular aspect of reception and is followed by a rating figure (1 to 5) the significance of which is indicated in Table 1.

Table 1. SINPFEMO code

Symbol and Meaning		1	2	3	4	5
S	Signal strength	barely audible	poor	fair	good	excellent
I	Interference	extreme	severe	moderate	slight	nil
N	Noise	extreme	severe	moderate	slight	nil
P	Propagation disturbance	extreme	severe	moderate	slight	nil
F	Frequency of fading	very fast	fast	moderate	slow	nil
E	Modulation quality	very poor	poor	fair	good	excellent
M	Modulation depth	over-mod.	poor/ nil	fair	good	maximum
O	Overall merit	unusable	poor	fair	good	excellent

Restricted forms of this code are now more commonly used, for example SINPO, in which no indication is given of the frequency of fading or the quality and depth of modulation. An even simpler code is SIO, which embraces only three criteria, namely signal strength, interference and overall merit. The number of rating figures has also been reduced: this is possible because if a signal is classified as 1 reception is unusable, and the difference between 4 and 5 is so small in short-wave reception that the higher of these can be ignored. Where signals are poor enough to justify a rating of less than 2, or where interference is non-existent, 0 may be used.

Reception report forms are available from most broadcasting organizations on request from listeners who indicate their willingness to provide reports on a continuing basis, and some notes on the compilation of a SINPO report are given below. A full SINPFEMO report could be provided merely by adding the F, E and M criteria.

The use of the code is simple if care is taken in assessing the value of the signal. Few broadcasts other than those from a local transmitter qualify for rating of S5 or O5, but with these exceptions all other ratings are feasible. Enthusiasm should not be allowed to distort the report and the signal should be analysed with some precision for each aspect of the SINPO code.

Signal Strength

The strength of the signal reported on can be compared with that of well-known broadcasts and the assessment is even simpler if the receiver has a tuning meter indicating signal strength. Such meters are often calibrated in dB above one microvolt, but the calibration is frequently incorrect and should not be accepted unless means are available of checking it.

Interference

The assessment of interference depends on the type and character of the interfering signal. This signal is often a whistle or heterodyne note, caused by reception of two signals with a carrier-frequency difference less than the bandwidth of the receiver. Thus, if the receiver bandwidth is 8 or 9 kHz, and the interfering signal is say 3 or 4 kHz from the wanted broadcast, a heterodyne whistle of this frequency is audible. The interference is, however, more troublesome if the frequency difference is only 1 to 2 kHz, because the ear is more sensitive at these lower frequencies. Even though the strength of two interfering signals may be the same, if one is displaced 4 kHz and the other 1 kHz from the wanted signal, a rating of I4 may apply to one and of I3 to the other. Similarly, a weak background of programme is less disturbing than a whistle or steady tone. Thus the rating to be entered is a measure of the intelligibility of the wanted signal.

Noise

Atmospheric noise is seldom worse than N3, except during periods of ionospheric disturbance, summer static or the precipitation of electrified rain. Good conditions, and the use of the higher frequency bands, do not normally produce ratings better than N4. Care should be taken to ignore noise introduced by the receiver, especially when the signal is weak and the receiver is operating at full gain.

Propagation Disturbance

Propagation disturbance may be more difficult to assess: it is related to the intensity of atmospheric noise and the degree of fading of the received

signal. If noise is high and fading rapid, but the programme can be followed, a rating of P3 is justified, but rapid fading to a depth causing programme mutilation qualifies for P2. If little or no noise is apparent and the fades are shallow and do not exceed about one a second, being well held by a.g.c., the rating should be P4 or P5.

Overall Merit

Overall merit is assessed by taking the average of the individual rating figures to the nearest whole number. There is no need to add a plus or minus sign, or to indicate small differences in merit, because each rating in the code is intended to cover a wide range of conditions and if the listener is certain that one rating does not apply the next figure must be correct.

Details of Report

The best report loses its value if the listener fails to give such essential details as his name and address, the date and time of reception, and the approximate frequency or wavelength. (The waveband alone is not enough). Any definitely identified interference should be specified, but if this cannot be done, details of the type of programme or other interfering signal should be mentioned.

LONG AND MEDIUM-WAVE EUROPEAN STATIONS

This list includes only those stations which are believed to be active on the frequencies indicated and which may be heard in Europe. Certain stations located outside the Continent of Europe are sometimes heard and these are included in this section.

Stations shown with an asterisk after their name are stations that have been heard in Western Europe, although they are situated outside the 'European Broadcasting Area', as defined in the Copenhagen Plan. This area is bounded on the south by 30° north Latitude, that is, by the territories bordering the Mediterranean Sea, excluding those parts of Arabia and Saudi Arabia within this area but including Iraq. On the west it encloses Iceland, Eire and the Azores, and on the east it is bounded by the meridian 40° east of Greenwich.

Stations are listed against the frequency on which they have been heard, which may be in some cases be the frequency allocated in the Copenhagen Plan. Wavelength in metres is shown beside the frequency.

Alternative station names or exact location of transmitters, where known, are shown after the usual station name. In appropriate cases station names have been given the anglicised spelling.

In certain instances, groups of low powered stations are indicated by a numeral following the name of the main station in the group, e.g. Cagliari + 5, the figure being the number of additional stations to that named.

Abbreviations used in the list are as follows:-

AFN	American Forces Network
AFRTS	American Forces Radio/Television Service
BFBS	British Forces Broadcasting Service
CAR	Cadena Azul de Radiodifusion
COPE	Cadena de Ondas Populares Espanolas
DDR	Deutscher Demokratischer Rundfunk
EMR	East Mediterranean Relay
Em.	Emissora
Lang.	Language
NDR	Norddeutscher Rundfunk
Prog./Pr.	Programme
R	Radio
REM	Red de Emissoras del Moviemento
RFE	Radio Free Europe
RIAS	Rundfunk im Amerikan Sektor von Berlin
RNE	Radio Nacional de Espana
SER	Sociedad Espanola de Radiodifusion
SIN	Organizacion Nacional de Sindicatos
St.	Station
VoA	Voice of America

kHz	Metres	Station	Country	Power	Programme
151	1987	Mainflingen	Germany (W)	50	Deutschlandfunk
155	1935	Tromso	Norway	10	
		Brasov	Rumania	1200	1st Programme
		Moscow	U.S.S.R.	50	2nd Programme
163.8	1830	Allouis	France	600/500	France-Inter
164	1829	Tashkent*	U.S.S.R.	50	
173	1734	Chita*	U.S.S.R.	20	
		Moscow	U.S.S.R.	500	1st Programme
		Munich	Germany (W)	1000	V.o.A.
180	1657	Saarlouis-Felsburg	Germany (W)	1200	Europe No. 1
182	1648	Lulea	Sweden	10	1st Programme
		Ankara	Turkey	1200	
		Alma Ata*	U.S.S.R.	50	1st Programme
185	1622	Oranienburg	Germany (E)	750	Voice of G.D.R.
191	1571	Motala	Sweden	600	1st Programme
		Tbilisi*	U.S.S.R.	50	
		Blagoveschensk*	U.S.S.R.		
200	1500	Droitwich	U.K.	400	Radio 2
		Leningrad	U.S.S.R.	100	
		Moscow	U.S.S.R.	100	
		Irkutsk*	U.S.S.R.	100	
		Kazan*	U.S.S.R.		
		Achkhabad*	U.S.S.R.		
209	1435	Eidar	Iceland	20	
		Reykjavik	Iceland	100	
		Kiev	U.S.S.R.	150	1st Programme
		Azilal	Morocco	800	Prog. A (Nat.)
218	1376	Monte Carlo	Monaco	600	Radio Monte Carlo
		Oslo	Norway	200	
		Baku*	U.S.S.R.	50	
		Krasnoyarsk*	U.S.S.R.		
227	1322	Warsaw-Raszyn	Poland	500	1st Programme
		Alma Ata*	U.S.S.R.	50	1st Programme
233	1293	Luxembourg	Luxembourg	1100	1st Programme
236	1271	Leningrad	U.S.S.R.	100	
245	1224	Kalundborg	Denmark	150	1st Programme
		Erzurum	Turkey	100	
254	1181	Lahti	Finland	200	Main Programme
		Erevan*	U.S.S.R.	100	
		Dyushambe*	U.S.S.R.	50	
		Kazan*	U.S.S.R.	100	
		Tipaza	Algeria	750	
263	1141	Burg-Magdeburg	Germany (E)	200	Radio Volga (Soviet)
		Moscow	U.S.S.R.	150	1st Programme
272	1103	Uherske-Hradiste	Czechoslovakia	200	2nd Programme
		Novosibirsk*	U.S.S.R.	100	1st Programme
281	1068	Minsk	U.S.S.R.	100	2nd Programme
		Ulan Ude*	U.S.S.R.	10	

kHz	Metres	Station	Country	Power	Programme
300	1000	Orenburg *	U.S.S.R.	20	
320	938	Moscow	U.S.S.R.	20	2nd Programme
335	896	Khabarovsk*	U.S.S.R.	150	
340	882	Saratov*	U.S.S.R.	100	2nd Programme
350	857	Dyushambe*	U.S.S.R.	20	1st/2nd Prog.
360	833	Yuzhno Sakhal*	U.S.S.R.	100	1st Programme
362	829	Yervan*	U.S.S.R.	50	
366	820	?	U.S.S.R.		
375	800	Arkhangelsk*	U.S.S.R.		
		Ashkhabad*	U.S.S.R.	10	2nd Programme
380	789	Vladivostok*	U.S.S.R.	50	1st Programme
385	779	Kharkov	U.S.S.R.	50	2nd Programme
388	773	Moscow	U.S.S.R.	20	2nd Programme
390	769	?	U.S.S.R.		
394	761	Omsk *	U.S.S.R.	50	
395	759	Khabarovsk *	U.S.S.R.		1st Programme
400	750	Minsk	U.S.S.R.	50	2nd/3rd Prog.
		Tashkent *	U.S.S.R.	50	
433	693	Oulu	Finland	10	Main Programme
520	577	Aldrans	Austria	10	1st Programme
		Bludenz	Austria	0.05	1st Programme
		Lienz	Austria	10	1st Programme
		Liezen	Austria	10	1st Programme
		Murai	Austria	0.05	1st Programme
		Joensuu	Finland	1	Main Programme
		Hof-Saale	Germany (W)	0.20	Bayerischer Rund.
		Passau	Germany (W)	0.20	Bayerischer Rund.
		Wurzburg	Germany (W)	0.20	Bayerischer Rund.
		Hanover	Germany (W)	0.20	Norddeutscher Rundfunk
		Roeros*	Norway	0.25	
527	569	Beromunster	Switzerland	500	German Language
529	567	Schwerin	Germany (E)	20	Radio D.D.R.1
530	566	Cheboksary *	U.S.S.R.		
533	563	Ain Beida	Algeria	600	Arabic Programme
539	557	Budapest-Lakihegy	Hungary	300	Kossuth Radio (Prog. 1)
		Bayonne *	France	0.05	France Culture
		Connemara	Eire		R.Na Gaeltachta
548	547	Oran	Algeria	600	Arabic Programme
		Braunschweig	Germany (W)	400/800	Deutschlandfunk
		Bad Durrheim	Germany (W)	20	Deutschlandfunk
		Oveido	Spain	50	R.N.E.
		Leningrad	U.S.S.R.		
		Odessa	U.S.S.R.	150	
557	539	Touggourt *	Algeria	1	Arabic/French Lang.
		Helsinki	Finland	100	1st Programme
		Greifswald	Germany (E)	10	D.D.R.1
		Faro	Portugal	1	
		Guarda	Portugal	1	
		'Radio Veronica'	S/mer	10	Pirate broadcast

kHz	Metres	Station	Country	Power	Programme
557	539	Craiova II	Rumania	20	2nd Programme
contd		Monte Ceneri	Switzerland	50	Italian Prog.
		Cairo III	Egypt	50	Foreign Lang. Prog.
		Volgograd *	U.S.S.R.	10	
556	530	Bad Ischl	Austria	0.05	Regional Prog.
		Feistritz	Austria	0.10	Regional Prog.
		Greifenburg	Austria	0.05	Regional Prog.
		Meuhlbach	Austria	0.05	Regional Prog.
		Neukirchen	Austria	0.05	Regional Prog.
		Radstadt	Austria	0.05	Regional Prog.
		Athlone	Eire	100	
		Bologna	Italy	25	National Prog.
		Caltanissetta	Italy	25	National Prog.
		Salento	Italy	5	National Prog.
		Aosta	Italy	2	National Prog.
		Berlin	Germany (W)	33/100	Sender Freies Berlin I
		Homs	Syria	300	Arabic
		Valencia do Minho	Portugal	1	
570	526	Godthaab * (Kook Is.)	Greenland	25	
575	522	Leipzig-Wiederau	Germany (E)	100	Radio D.D.R.1
		Stuttgart-Muehlacker	Germany (W)	300	Suddeutscher Rundfunk
		Tel Aviv	Israel	200	Prog. A (Hebrew)
		Riga	U.S.S.R.	100	1st Programme
		Braganca	Portugal	1	Em. National 1
580	517	Teheran *	Iran	100	
584	514	Klagenfurt	Austria	25	1st Programme
		Mayrhofen	Austria	0.05	1st Programme
		Salzburg	Austria	10	1st Programme
		Wien	Austria	150	1st Programme
		Thorshavn	Denmark	5	
		Paris III (Romainville)	France	4	Inter Varietes
		Madrid	Spain	100/200	R.N.E.
		Ijevsk *	U.S.S.R.		
587	511	Riyadh *	Saudi Arabia	1200	
590	508	Calcutta *	India	1000	
593	506	Sofia-Pleven 1	Bulgaria	250	1st Programme
		Frankfurt	Germany (W)	150/400	Hessischer Rund.
		Hoher-Meissner	Germany (W)	100	Hessischer Rund.
		Oujda	Morocco	100	Prog. A (Nat.)
		Sundsvall	Sweden	150	1st Programme
602	498	Nicosia	Cyprus	20	
		Lyon I	France	150/250	Inter Varietes
		Karl-Marx-Stadt	Germany (E)	5	Berliner Rund.

kHz	Metres	Station	Country	Power	Programme
602 contd	498	Sfax	Tunisia	5	Local Arabic Prog.
		Cairo (Beni Suef) I	Egypt	50	
		Damascus	Syria	2	
		Diedrichshagen	Germany (W)	10	Radio D.D.R. 1
		Bucuresti-Kherastrav	Rumania	5	Programme 1
611	491	Berlin-Kopenick	Germany (E)	250	Berliner Rund.
		Grafenwohr	Germany (W)	10	A.F.N.
		Kaiserslautern	Germany (W)	10	A.F.N.
		Nurnburg	Germany (W)	10	A.F.N.
		Sebaa Ayoun I	Morocco	140	Arabic Prog. A (National)
		Petrozavodsk	U.S.S.R.	100	
		Sarajevo	Yugoslavia	300	
620	484	Wavre-Overijse	Belgium	150	French Network (National)
		Batra I	Egypt	450	Voice of Arabs
		Vill Real Tras-os-Montes	Portugal	10	Em. National 1
		Santa Cruz Teneriffe *	Canary Is.	100	R.N.E.
629	477	Laiterach II	Austria	25	Regional Prog.
		Aldrans II	Austria	25	Regional Prog.
		Leinz II	Austria	1	Regional Prog.
		Erfurt	Germany (E)	0.20	Radio D.D.R. 1
		Vigra	Norway	100	
		Timisoara I	Rumania	135	2nd Programme
		Tunis (Djedeida)	Tunisia	600	National Arabic Programme
		Cukurova	Turkey	300	
		Miranda do Douro	Portugal	1	
638	470	Limassol (Zyghi)	Cyprus	100	B.B.C. E.Med. Relay
		Praha	Czechoslovakia	150	1st (Praha) Prog.
		La Coruna	Spain	100	R.N.E.
640	467	St. Johns *	Canada	10	
645	465	Tabriz *	Iran	100	
647	464	Daventry	U.K.	150	Radio 3
		Belfast	U.K.	0.25	Radio 3
		Edinburgh	U.K.	2	Radio 3
		Exeter	U.K.	0.25	Radio 3
		Glasgow	U.K.	2	Radio 3
		Newcastle	U.K.	2	Radio 3
		Plymouth	U.K.	1	Radio 3
		Redmoss	U.K.	2	Radio 3
		Redruth	U.K.	1	Radio 3
		Swansea	U.K.	1	Radio 3
		Tovarnik II+2	Yugoslavia	20	

kHz	Metres	Station	Country	Power	Programme
647 contd	464	Simferopol	U.S.S.R.	100	1st Programme
650	461	Godhavn *	Greenland	5	
656	457	Potsdam	Germany (E)	20	Berliner Rund.
		Tel Aviv	Israel	200	Prog.B (Hebrew)
		Bolzano	Italy	25	National Prog.
		Firenze	Italy	100	National Prog.
		Napoli	Italy	120	National Prog.
		Torino	Italy	35	National Prog.
		Venezia	Italy	25	National Prog.
		Murmansk	U.S.S.R.	150	
		Groznvi *	U.S.S.R.	2	1st/2nd Prog.
		El Aioun EAJ203*	Sp.Sahara	50	Radio Sahara
		Dar es Salaam *	Tanzania		
665	451	Rohrdorf	Germany (W)	300/150	Sudwestfunk
		Athens III	Greece	15	3rd Programme
		Hoefn	Iceland	5	
		Lisbon I	Portugal	135	Em. National 1
		Damas-Sabbourah	Syria	100	Arabic
		Kaunas/Vilnius	U.S.S.R.	100	
670	448	Calcutta *	India	10	
674	445	Aigen	Austria	0.05	Regional Prog.
		Bischofshofen	Austria	0.05	Regional Prog.
		Gloggnitz	Austria	0.05	Regional Prog.
		Matrei	Austria	0.05	Regional Prog.
		Neumarkt	Austria	0.05	Regional Prog.
		Radentheim	Austria	0.05	Regional Prog.
		Heiflau	Austria	0.05	Regional Prog.
		Ried	Austria	0.05	Regional Prog.
		Marseille I	France	150	Inter Varietes
		El Gawarsha	Libya	100	
		Bodo	Norway	10	
		Tchernovtsy+1	U.S.S.R.	100	
677	443	Jerusalem	Israel	20	Prog. D (Arabic Eng. French)
680	441	Rasht *	Iran	100	
683	439	Berlin	Germany (W)	100	R.I.A.S.
		Hof-Saale	Germany (W)	40	R.I.A.S.
		Sevilla	Spain	250/125	R.N.E.
		Beograd	Yugoslavia	400	
690	434	Dacca *	Bangla Desh		
692	434	Moorside Edge	U.K.	150	Radio 4 (England)
		Barnstaple	U.K.	2	Radio 4 (England)
		Bartley	U.K.	10	Radio 4 (England)
		Brighton	U.K.	2	Radio 4 (England)
		Cromer	U.K.	2	Radio 4 (England)
		Ramsgate	U.K.	2	Radio 4 (England)
		Swindon	U.K.	0.5	Radio 4 (England)
		Whitehaven	U.K.	1.3	Radio 4 (England)
		Nicosia	Cyprus	20	

kHz	Metres	Station	Country	Power	Programme
692	434	Suhl Wachenbrunn	Germany (E)	250	Voice of G.D.R.
contd		Oufa *	U.S.S.R.	100	
		Michelet	Algeria	5	Arabic & French Programme
		Viseu	Portugal	1	Em. National 1
		Kinshasa *	Zaire Rep.		
701	428	Andorra	Andorra	250	
		Banska Bystrica	Czechoslovakia	100	Bratislava Prog.
		Bratislava	Czechoslovakia	2	Bratislava Prog.
		Orava	Czechoslovakia	2	Bratislava Prog.
		Kosice	Czechoslovakia	5	Regional Prog.
		Usti-nad-Labem	Czechoslovakia	2	Regional Prog.
		Aachen	Germany (W)	5	Westdeutscher Rundfunk
		Herford	Germany (W)	2	Westdeutscher Rundfunk
		Siegen	Germany (W)	2	Westdeutscher Rundfunk
		Aurich	Germany (W)	2	Norddeutscher Rundfunk
		Flensburg	Germany (W)	5	Norddeutscher Rundfunk
		Lingen	Germany (W)	2	Norddeutscher Rundfunk
		Sebaa Ayoun II	Morocco	140	Prog. B (Internat)
		Finmark (Vadso)	Norway	20	
		Istanbul	Turkey	150	
710	423	Rennes	France	150	Inter Varietes
		Jerusalem	Israel	1	Prog. B (Hebrew)
		Donetsk	U.S.S.R.	150	
		Tallinn	U.S.S.R.	150	2nd Programme
		Cairo II (Asyut)	Egypt	100	
		Zagreb II	Yugoslavia	25	
		New York *	U.S.A.	50	
719	417	Limassol (Zyghi)	Cyprus	100	B.B.C. E. Med Relay
		Munich (Holzkirchen)	Germany (W)	150	Radio Free Europe
		Norte I	Portugal	100	Em. National 1
		Ostersund	Sweden	150	1st Programme
		Sfax	Tunisia	100	National Arabic Programme
		Lodz	Poland		
725	413	Mashad	Iran	10	
728	412	Klagenfurt II	Austria	25	Regional Prog.
		Schwerin-Wobbelin	Germany (E)	250	Voice of G.D.R.
		Athens I	Greece	150	National Prog.
		Campo de Gibraltar	Spain	10	R.Peninsular R.N.E.

kHz	Metres	Station	Country	Power	Programme
737	407	Hof-Saale	Germany (W)	40	R.I.A.S.
		Akureyri	Iceland	5	
		Tel Aviv	Israel	600	Prog. D (Arabic Eng. & French)
		Poznan	Poland	300	2nd Programme
		Barcelona	Spain	250/125	R.N.E.
		Asyut I	Egypt	100	
		Tchelyabinsk*	U.S.S.R.	50	2nd Programme
746	402	Tlemcen	Algeria	4	Arabic/French Prog.
		Otocac	Yugoslavia	0.05	
		Plovdiv	Bulgaria	30	1st Programme
		Cottbus-Hoyerswerda	Germany (E)	20	Radio D.D.R. 1
		Lopik	Netherlands	120	1st Programme
		Aleppo-Sarakeb	Syria	100	Arabic
755	397	Braunschweig	Germany (W)	200	Deutschlandfunk
		Ravensburg	Germany (W)	100	Deutschlandfunk
		Lisbon II	Portugal	135	Em. National 2
		Kuopio	Finland	20	Main Programme
		Logoj	Rumania	400	1st Programme
760	395	Georgetown *	Guyana	10	Radio Demerara
		Hurriyah *	Iraq	300	
764	393	Sottens	Switzerland	150	French Prog.
		Odessa	U.S.S.R.	10	
		Dakar*	Senegal	200	
		Omdurman *	Sudan	100	
773	388	Salzburg II+13	Austria	1	Regional Prog.
		Sofia-Stolnik	Bulgaria	30	1st Programme
		San Sebastian	Spain	20	R.N.E.
		Malmberget	Sweden	2	1st Programme
		Stockholm	Sweden	150	1st Programme
		Cairo I	Egypt	500	Commercial & Palestine Prog.
		Voronejh	U.S.S.R.	20	
		Ucka+5	Yugoslavia	20	
776	386	Zahedan *	Iran	100	
782	384	Burg-Magdeburg	Germany (E)	250	Voice of G.D.R.
		Damascus (Tartus)	Syria	600	
		Miramar (Porto)	Portugal	100	
		Kiev II	U.S.S.R.	100	2nd Programme
		Vatican City	Vatican	1	
		Rijeka +1	Yugoslavia	2	
791	379	Limoges	France	50/250	Inter Varietes
		Salonika	Greece	50	Voice of America
		Astrakhan*	U.S.S.R.	50	
800	375	Nurnburg-Dilburg	Germany (W)	50/100	Bayerischer Rundfunk
		Amman	Jordan	200	Programme A
		Madrid EAJ-7	Spain	20	SER
		Mallorca EAJ-13	Spain	2	SER

kHz	Metres	Station	Country	Power	Programme
800 contd	375	Leningrad II	U.S.S.R.	100	2nd Programme
		Bonaire*	Neth Antilles		
809	371	Berlin	Germany (W)	5	BBC European Service
		Burghead	U.K.	100	Radio 4 (Scottish)
		Dumfries	U.K.	2	Radio 4 (Scottish)
		Redmoss	U.K.	5	Radio 4 (Scottish)
		Westerglen	U.K.	100	Radio 4 (Scottish)
		Sevilla EAJ 5	Spain	5	SER
		Skopje +1	Yugoslavia	1000	
		Kuibychev*	U.S.S.R.	10	
		Abu Dhabi*	Persian Gulf		
818	367	Andorra	Andorra	300	SUDRadio
		Trieste	Italy	25	
		Rabat	Morocco	1	Prog. A (Nat)
		Warsaw-Mokotov	Poland	300	2nd Programme
818	367	Batra II	Egypt	450	General Arabic Programme
827	363	Baden-Baden	Germany (W)	1.50	Sudwestfunk
		Freiburg	Germany (W)	40	Sudwestfunk
		Kaiserslautern	Germany (W)	3	Sudwestfunk
		Koblenz	Germany (W)	0.50	Sudwestfunk
		Trier	Germany (W)	3	Sudwestfunk
		Kiel	Germany (W)	0.5	Sudwestfunk
		Sofia (Vakarel)II	Bulgaria	100	2nd Programme
		Oudja II	Morocco	100	Prog. B (Internat'l)
		Barcelona EAJ 1	Spain	20	SER
		Gorkii*	U.S.S.R.	20	
834	360	Belize*	Brit. Honduras	20	Radio Belize
836	359	Ponta Delgada (San Miguel) 3	Azores	1	Em. Regional dos Azores
		Ylivieska	Finland	10	Main Programme
		Nancy	France	150	Inter Varietes
		Beirut	Lebanon	100	Prog. 1 (Arabic)
		Las Palmas EAK35	Spain	10	C.O.P.
		Granada ECS.5	Spain	5	S.I.N.
		Huelva	Spain	2	R.N.E.
		Palencia EFE.4	Spain	2	R.E.M.
		Valencia EFE.17	Spain	2	Voz de Levante REM
		Kharkov	U.S.S.R.	20	2nd Programme
		Vinnitsa	U.S.S.R.		
840	357	Teheran*	Iran		
845	355	Safad	Israel	1	Prog. A (Hebrew)

kHz	Metres	Station	Country	Power	Programme
845	355	Roma	Italy	540	2nd Programme
contd		Elista*	U.S.S.R.		
854	351	'Radio Blackburn'	U.K.	1	B.B.C. Local Radio
		Berlin-Britz	Germany (W)	100	R.I.A.S.
		Bucuresti (Tinchebesti)	Rumania	150	2nd Programme
		Murcia	Spain	125	R.N.E.
860	349	Rio de Janeiro*	Brazil	50	Radio Mundial
		Halifax*	Canada	10	
		Peking*	China Rep.		
863	348	Blagoevgrad	Bulgaria	30	1st Programme
		Paris	France	150/250	France Culture
		Damascus	Syria	10	Foreign Service
		Yerevan*	U.S.S.R.	100	
		Ksar es Souk	Morocco	15	Programme A
872	344	Frankfurt	Germany (W)	150	A.F.N.
		Budapest	Hungary	20	Petofi Radio Programme 2
		Pecs	Hungary	15	Petofi & Regional Programme
		Zaragoza EAJ.101	Spain	20	S.E.R.
		Cairo II	Egypt	50	2nd Prog. (Cultural)
		Moscow	U.S.S.R.	150	3rd Programme
880	341	New York WCBS*	U.S.A.	50	
881	341	Penmon	U.K.	10	Radio 4 (Welsh)
		Towyn	U.K.	5	Radio 4 (Welsh)
		Washford	U.K.	100	Radio 4 (Welsh)
		Wrexham	U.K.	2	Radio 4 (Welsh)
		Berlin (K. Wusterhausen)	Germany (E)	100	Radio D.D.R.I.
		Beit Hilel	Israel	0.05	Prog. A (Hebrew)
		Titograd +4 stn	Yugoslavia	100	
		Stavropol*	U.S.S.R.	20	2nd Programme
885	339	Damman*	Saudi Arabia	100	
890	337	Alger II	Algeria	200	French Programme
		Linz II	Austria	20	Regional Programme
		Bergen	Norway	10	
		Kristiansand	Norway	10	
		Trøndelag	Norway	10	
		Zyyi	Cyprus	7.5	B.F.B.S.
		Ouchgorod	U.S.S.R.	100	
895	335	Teheran (Quazuin)*	Iran	50	
899	334	Milano	Italy	600	National Prog.
		Iochkar-Ola	U.S.S.R.	50	
908	330	Brookmans Park	U.K.	140	Radio 4 (England)
		Clevedon	U.K.	20	Radio 4 (England)
		Redruth	U.K.	2	Radio 4 (England)
		Burg (Magdeburg)	Germany (E)	250	
		Cluj I	Rumania	50	2nd Programme

kHz	Metres	Station	Country	Power	Programme
908 contd	330	Thourah (Baghdad)*	Iraq	200	
910	330	Urumchi*	China Rep.		
917	327	Reichenbach	Germany (E)	3.5	Berliner Rundfunk
		Coral Bay Paphos	Cyprus	2	
		Tetuan II	Morocco	5	Prog. C (Berber)
		Madrid EAJ. 2	Spain	20	S. E. R.
		Liubliana	Yugoslavia	135	
		Makhach Kala*	U. S. S. R.	50	
926	324'	Wavre-Overijse	Belgium	150	Dutch Network (National)
		Izmir	Turkey	100	
		Nis +2	Yugoslavia	20	
		Zakynthos	Greece	50	
		Ivanovo*	U. S. S. R.	10	
930	322	St. Johns CFBC*	Canada	10	
935	321	Burg (Magdeburg)	Germany (E)	250	
		Berlin	Germany (W)	10	A. F. N.
		Agadir	Morocco	100	Prog. A (National)
		Lvov	U. S. S. R.	300	
		Cairo IV	Egypt	10	Musical Prog.
940	319	Montreal CBM*	Canada	50	
		Rio de Janeiro*	Brazil	50	
944	318	Toulouse	France	100	Inter Varietes
		Larissa	Greece	5	Armed Forces Radio
		Damascus	Syria		European Prog.
		Rostov/Don	U. S. S. R.	20	2nd Programme
		Luanda*	Angola	10	
		Oharovica	Yugoslavia	0.05	
		Pleven II	Bulgaria	30	
950	316	Buenos Aires*	Argentine	50	Radio Belgrano
		Sydney CHER*	Canada	10	
953	315	Brno	Czechoslovakia	100	1st Praha Prog.
		Plzen	Czechoslovakia	15	1st Praha Prog.
		Badalona EAJ. 39	Spain	2	
		Las Palmas EAJ. 50	Spain	10	S. E. R.
		Madrid EAJ. 29	Spain	20	R. Intercontinental
		Joannina	Greece	10	Armed Forces Radio
958	313	Korca	Albania		
959	313	Deir el Zor	Syria	60	Arabic
960	312	Halifax CHNS*	Canada	10	
		Omdurman*	Sudan	100	
962	312	Ehrwald +9	Austria	0.05	1st Programme
		West Cork	Eire		R. Na Gaeltachta
		Turku	Finland	100	Main Prog.

kHz	Metres	Station	Country	Power	Programme
962	312	Paris IV	France	5	
contd		Tunis II - (Djedeida)	Tunisia	100	International Programme
		Cakovec+2	Yugoslavia	0.05	
965	311	Istanbul II	Turkey	2	
971	309	Gottingen	Germany (W)	5	Norddeutscher Rundfunk
		Hamburg	Germany (W)	300	Norddeutscher Rundfunk
		Oldenburg	Germany (W)	40	Norddeutscher Rundfunk
		Bonn	Germany (W)	5	Westdeutscher Rundfunk
		Kleve	Germany (W)	3	Westdeutscher Rundfunk
		Marrakech I	Morocco	1	Prog. A (National)
		Santander	Spain		R.N.E.
		Sao Gabriel	Portugal	100	
		Smolensk	U.S.S.R.	150	1st Programme
980	306	Asyut	Egypt	5	General Arabic Programme
		Alger	Algeria	200	Arabic Prog.
		Trieste	Italy	10	Slovene Lang.
		Goteborg	Sweden	150	1st Programme
		Alma Ata	U.S.S.R.		
		Cakak+1	Yugoslavia	10	
		Iraklion	Greece	10	Armed Forces Radio
985	305	Kermanshah	Iran	100	
989	303	Berlin	Germany (W)	300	R.I.A.S.
		Beirut	Lebanon	10	Programme II (International)
		Madrid	Spain	50	R. Peninsular RNE
993	302	Kukes	Albania		
998	301	'Radio Solent'	U.K.	1	B.B.C. Local Radio
		Buchen-Walldurn	Germany (W)	0.2	Suddeutscher Rundfunk
		Heidelberg	Germany (W)	10	Suddeutscher Rundfunk
		Kichinev	U.S.S.R.	100	
		Bilbao	Spain	10	RNE
		Malta	Malta		
1007	298	Kerkyra	Greece	50	
		Lopik	Netherlands	120	2nd Programme
		Malaga	Spain	10	R. Peninsular RNE
		Beograd	Yugoslavia	150	
1010	297	Hyderabad*	Pakistan	10	
		New York WINS*	U.S.A.	50	
		Hanoi	Vietnam		

kHz	Metres	Station	Country	Power	Programme
1016	295	Batna	Algeria	1	Arabic & French Programme
		Mainz (Wolfsheim)	Germany (W)	300	Sudwestfunk
		Tangier III	Morocco	1	Prog. B (Internat'l)
		Baku*	U.S.S.R.	100	
		Venezia	Italy	25	
		Genoa	Italy	10	
		Tripolis	Greece	10	
1025	293	Dobl +13	Austria	100	1st Programme
		Dornbirn (Lauterach)	Austria	10	1st Programme
		Linz (Kronstorf)	Austria	100	1st Programme
		Maria Pfarr	Austria	5	1st Programme
		Jerusalem	Israel	100	Prog. D (Arabic Eng. French)
		Rabat II	Morocco	1	Prog. B (Internat'l)
		Safi I	Morocco	1	Prog. A (National)
		Hannover	Germany (W)	0.4	Norddeutscher Rundfunk
		Barcelona EFJ. 15	Spain	5	La Voz de Cataluna CAR
		San Sebastian EAJ. 8	Spain	5	S.E.R.
		Badajoz ECS 2	Spain	2	S.I.N.
		Tomsk*	U.S.S.R.		
1034	290	'Radio Medway'	U.K.		B.B.C. Local Radio
		'Radio Sheffield'	U.K.		B.B.C. Local Radio
		Karlsruhe +2	Germany (W)	1	A.F.N.
		Milano	Italy	50	2nd Programme
		Napoli	Italy	25	2nd Programme
		Pescara	Italy	5	2nd Programme
		San Remo	Italy	5	2nd Programme
		Genova	Italy	10	2nd Programme
		Venezia	Italy	25	2nd Programme
		Caltanissetta	Italy	1	2nd Programme
		Potenza	Italy	1	2nd Programme
		Porto Alto	Portugal	50/120	
		Tallinn I	U.S.S.R.	100	1st Programme
1035	290	Cap Haitien*	Haiti	10	R. St. 4VEH
1040	289	Bombay*	India	50	
1043	288	Dresden-Wilsdruff	Germany (E)	20/250	Radio D.D.R.I.
		Salonika	Greece	5	Local Programme
		Sebaa Aioun III	Morocco	25	Prog. C (Berber)
		Aye-Marche	Belgium	10	French Network (National)
		Tbilisi*	U.S.S.R.	100	2nd Programme
1043	288	Petrich	Bulgaria		

kHz	Metres	Station	Country	Power	Programme
1050	286	New York WHN*	U.S.A.	50	
1052	285	Droitwich	U.K.	150	Radio 4 (England)
		Barrow	U.K.	2	Radio 4 (England)
		Bexhill	U.K.	2	Radio 4 (England)
		Folkestone	U.K.	1	Radio 4 (England)
		Postwick	U.K.	7.5	Radio 4 (England)
		Start Point	U.K.	100	Radio 4 (England)
		Bad Goisern +10	Austria	0.05	1st Programme
		Suhl	Germany (E)	5	Radio D.D.R.
		Puttbus	Germany (E)		
		Tripoli	Libya	50	
		Iasi	Rumania	1000	2nd Programme
		Tetuan I	Morocco	20	Prog. A (National)
1061	283	Kalundborg	Denmark	60	2nd Programme
		Cagliari +5	Italy	10	National Prog.
		Norte	Portugal	100	Em. National 2
		Saransk*	U.S.S.R.	50	2nd Programme
		Cairo VI	Egypt		
		Zupanja +2	Yugoslavia	0.05	
		V. Dinske Toplice +2	Yugoslavia	0.05	
		Diyabakir	Turkey	300	
1070	280	Paris II	France	100	Inter Varietes
		Mesolongion	Greece	0.25	
		Dnepropetrovsk	U.S.S.R.	20	
		Alma Ata*	U.S.S.R.		
		Riga	U.S.S.R.		
		Buenos Aires*	Argentine	110	R. El Mundo
		Banja Luka+1	Yugoslavia	25	
		Moncton CBA*	Canada	50	
		Tartus*	Syria	50	Foreign Service
1079	278	Bremen	Germany (W)	100/30	R. Bremen
		Plauen	Germany (E)	2	Berliner Rundfunk
		Orestian	Greece		
		Katowice	Poland	50	2nd Programme
		Valencia	Spain	25	R. Peninsular RNE
		Koper-Beli Kriz +2	Yugoslavia	5	
		Casablanca I	Morocco	1	Prog. A (National)
		Beni Suef I	Egypt	5	Main Arabic Prog.
		Souk Ahras	Algeria	1	Arabic & French Programme
1088	276	Crowborough	U.K.	600	European Service
		Tirane	Albania	50	
		Grossarl +1	Austria	0.05	1st Programme
		Perm*	U.S.S.R.	20	
		Novi Sad	Yugoslavia	20	
1090	275	Baltimore WBAL*	U.S.A.	50	
		Gaziantep*	Turkey	2	

kHz	Metres	Station	Country	Power	Programme
1097	273	Bratislava	Czechoslovakia	150	Bratislava Prog.
		Las Palmas ECS. 4	Spain	2	R. Atlantico SIN
		Madrid EFE. 14	Spain	20	R.E.M.
		San Sabastian EFE. 23	Spain	2	La Voz de Guipuzcoa REM
		Bologna	Italy	60	
		Alma Ata*	U.S.S.R.		
1100	272	Taiwan(Taipei)*	China National	1.5	
		Esfahan(Mashed)*	Iran	10	
1106	271	'Radio Leeds'	U.K.	1	B.B.C. Local Radio
		Munich	Germany (W)	50	A.F.N.
		Huesca EAJ. 22	Spain	2	S.E.R.
		La Coruna EAJ. 41	Spain	2	S.E.R.
		Leon EAJ. 63	Spain	2	S.E.R.
		Linares EAJ. 37	Spain	2	S.E.R.
		Manresa EAJ. 51	Spain	2	S.E.R.
		Victoria EAJ. 62	Spain	2	S.E.R.
		Vilnius	U.S.S.R.	100	
		Batra III	Egypt		Main Arabic Programme
1110	270	St. Johns CBD*	Canada	10	
		Charlotte WBT*	U.S.A.	50	
1115	269	Aosta	Italy	2	2nd Programme
		Bari	Italy	50	2nd Programme
		Bologna	Italy	50	2nd Programme
		Messina	Italy	5	2nd Programme
		Pisa	Italy	25	2nd Programme
		Trieste	Italy	6	2nd Programme
		Palermo	Italy	12.5	2nd Programme
		Tangier+1	Morocco	10	Prog. A(National)
		Bo Vesteralen +17	Norway	1	
		Kaliningrad	U.S.S.R.	20	1st Programme
1124	267	Muerzzuschlag +11	Austria	100	Regional Prog.
		Houdeng	Belgium	10	French Network (Regional)
		Varna II	Bulgaria	10	2nd Programme
		Barcelona EAJ15	Spain	10	
		Leningrad III	U.S.S.R.	20	3rd Programme
		Bayda	Libya	1000	
		Baske Ostarije +1	Yugoslavia	20	
1130	266	Calcutta*	India	1000	
		New York WNEW*	U.S.A.	50	
1133	265	Avila FCS. 3	Spain	15	Radio Gredos SIN
		Burgos EFJ. 52	Spain	2	CAR

kHz	Metres	Station	Country	Power	Programme
1133	265	Bilbao EFJ. 43	Spain	5	CAR
contd		Sevilla ECS. 8	Spain	5	Voz de Guadalquivir SIN
		Jaen ECS. 9	Spain	5	SIN
		Malaga EFJ. 56	Spain	5	CAR
		Murcia EFJ. 19	Spain	2	CAR
		Jaen ECS. 9	Spain	2	Voz de Paen S. I. N.
		Oviedo EFE. 22	Spain	2	La Voz de Asturias REM
		Vigo EFE. 31	Spain	5	REM
		Zaragoza EFJ. 46	Spain	5	CAR
		Lerida	Spain		CAR
		Tovarnik 1 +3	Yugoslavia	300	
		Sydney CBI*	Canada	10	
		Poro*	Philippine Is.	1000	Voice of America
1142	263	Abtenau +11	Austria	0.05	1st Programme
		Stuttgart-Hirschlanden +7	Germany (W)	10	A. F. N.
		Constantine	Algeria	40	Arabic Prog.
		Oran	Algeria	40	
		Athens	Greece	20	Armed Forces Programme
		Quena I	Egypt	5	General Arabic Programme
		Riga	U. S. S. R.	50	2nd Programme
		Zadar I +1	Yugoslavia	10	
1145	262	Ciudad Real ECS. 13*	Spain	2	SIN
1150	261	Rawalpindi*	Pakistan	10	
1151	261	Scarborough	U. K.	2	Radio 4 (England)
		Stagshaw	U. K.	100	Radio 4 (England)
		Marrakech II	Morocco	1	Prog. B (Internat'l)
		Cluj II	Rumania	50	2nd Programme
1155	260	Beni Suef II	Egypt	50	Koran Prog.
1160	259	Kardzali	Bulgaria	150	1st Programme
		Strasbourg	France	150	France Inter
		Abadan*	Iran		
1167	258	Pamplona EFE 57	Spain	2	La Voz De Navarra REM
1169	257	Heilbronn +1	Germany (W)	10	Suddeutscher Rundfunk
		Ulm	Germany (W)	4	Suddeutscher Rundfunk
		Jerusalem +1	Israel	1	Prog. A. (Hebrew)
		Porto	Portugal	10	Radio Renascenca
		Beli Kris Koper +2	Yugoslavia	20	Relaying Ljubliana

kHz	Metres	Station	Country	Power	Programme
1169 contd	257	Odessa	U.S.S.R. Albania	50	
1170/6	256	Van	Turkey	2	
1178	255	Barcelona	Spain	20	Radio Peninsular
		Leon EFE.5	Spain	20	R.E.M.
		Horby	Sweden	100	1st Programme
		Salonika	Greece	50	Armed Forces Programme
		Asyut II*	Egypt	10	General Arabic Programme
		Okinawa*	Ryukyu Is	1000	Voice of America
1180	254	Rio de Janeiro PRE.3*	Brazil	50	Radio Globo
		Jubbulpore*	India	50	
		Marathon Key (Florida)*	U.S.A.	50	Radio Marathon (V.O.A.)
		Rochester*	U.S.A.	50	
		Okinawa*	U.S.A. Albania	1000	V.O.A.
1183	254	Riyadh*	Saudi Arabia	50	
1187	253	Szolnok+1	Hungary	135	Petofi & Regional Programme
		Casablanca II	Morocco	1	Programme B (International)
		Cuenca	Spain	5	R. Peninsular RNE
		Sevilla	Spain	5	R. Peninsular RNE
1190	252	Fort Wayne WOWO*	U.S.A.	50	
1196	251	Munich-Ismaning	Germany (W)	300	Voice of America
		Agadir II	Morocco	20	Prog. C (Berber)
		Portalegre	Portugal	1	Em. National 1
		Alexandria I	Egypt	10	
1192	252		U.S.S.R.		
1200	250	Fortaleza*	Brazil	10	
		San Antonio WOAI*	U.S.A.	50	
1203	250	Sanaa*	Yemen	10	
1205	249	Bordeaux	France	100	Inter Varietes
		Akko	Israel	10	Prog. A (Hebrew)
		Krakow	Poland	60	2nd Programme
		Rzeszow	Poland	60	2nd Programme
		Mostar +2	Yugoslavia	2	
1207/8	249	Gaziantep?	Turkey		
1210	248	Philadelphia WCAU*	U.S.A.	50	
1214	247	Brookmans Park	U.K.	50	Radio 1

kHz	Metres	Station	Country	Power	Programme
1214	247	Brighton	U.K.	1	Radio 1
contd		Burghead	U.K.	20	Radio 1
		Droitwich	U.K.	30	Radio 1
		Fareham	U.K.	1	Radio 1
		Hull	U.K.	0.15	Radio 1
		Lisnagarvey	U.K.	0.10	Radio 1
		Londonderry	U.K.	0.5	Radio 1
		Moorside Edge	U.K.	50	Radio 1
		Newcastle	U.K.	2	Radio 1
		Plymouth	U.K.	0.5	Radio 1
		Postwick	U.K.	1	Radio 1
		Redmoss	U.K.	2	Radio 1
		Redruth	U.K.	2	Radio 1
		Washford	U.K.	60	Radio 1
		Westerglen	U.K.	40	Radio 1
		Tirana	Albania	1000	Radio Tirana
		Radio Malta*	Malta	1	
		Tallinn II	U.S.S.R.	200	2nd Programme
		Tartu			
1220	246	Moncton CKCW*	Canada	10	
1223	245	Stara Zagora	Bulgaria	30	1st/2nd Prog.
		Rimini +2	Italy	5	2nd Programme
		Madrid III	Spain	50	R.N.E. 3rd Prog.
		Falun	Sweden	100	1st Programme
1232	244	Hradec Kralove	Czechoslovakia	5	1st & Regional Programme
		Kosice	Czechoslovakia	100	Bratislava Prog.
		Tatry	Czechoslovakia	2/5	Bratislava Prog.
		Tangier	Morocco	200	
1241	242	Brest	France	20	France Culture
		Lille II	France	20	France Culture
		Lyon	France	20	France Culture
		Marseille	France	20	France Culture
		Nancy	France	100	France Culture
		Nice	France	20	France Culture
		Rennes	France	20	France Culture
		Vaasa	Finland	25	Swedish Prog.
		Kiev	U.S.S.R.	50	2nd Programme
		Gracanica	Yugoslavia	0.05	
1250	240	Cork+2	Eire	5	Radio Eireann
		Dublin	Eire	5	Radio Eireann
		Nyiregyhaza	Hungary	25	Petofi & Regional Programme
		Balatonszabadi	Hungary	135	Petofi Prog. 2
		Lopik	Netherlands	10	3rd Programme
		Tripoli	Libya	1000	
		Saint a Sahil*	Persian Gulf		
		Chaves	Portugal	1	Em. National 1
1259	238	Rhodes	Greece	150	Voice of America

kHz	Metres	Station	Country	Power	Programme
1259	238	Wroclaw	Poland	100	2nd Programme
contd		Zielona Gora	Poland	30	2nd Programme
		Valencia EAJ.3	Spain	5	SER
		Bilbao EAJ.26	Spain	2	SER
1268	236	Neumunster	Germany (W)	600	Deutschlandfunk
		Mallorca EAK 18	Spain	2	R. Popular COPE
		Las Palmas (Canary Isle) EAK 92	Spain	20	R. Popular COPE
		Vigo EAK 33	Spain	2	R. Popular COPE
		Madrid EAK.1	Spain	2	
		Novi Sad	Yugoslavia	150	
1277	235	Strasbourg	France	100	France Culture
		Moscow III	U.S.S.R.	20	2nd/3rd Prog.
		Florina	Greece	10	Armed Forces Radio
		Aswan II*	Egypt	10	General Arabic Programme
		Dubrava +1	Yugoslavia	0.1	
1280	234	Kabul (Tscharchi)*	Afghanistan	100	
		Rio de Janeiro*	Brazil	50	Radio Tupi
		Quebec*	Canada	10/5	
			Bulgaria		
1286	233	Praha Melnik	Czechoslovakia	100	2nd Programme
		Tel Aviv	Israel	7.5	Galei Tsahal
		Lisboa	Portugal	2.5	R. Renascenca
		Brcko	Yugoslavia	2	
1292	232	Gjirokaster	Albania	0.2	
1295	232	Crowborough	U.K.	600	European Service
		Foxdale (Isle of Man)	U.K.	2	Manx Radio
		Shumen	Bulgaria	30	
		Rabat III	Morocco	1	Prog. C(Berber)
		Vranje	Yugoslavia	6	
			U.S.S.R.		
		Sumen	Bulgaria	2	
		Baku*	U.S.S.R.	150	2nd Programme
		St. Martin*	Neth. Antilles	0.25	Voice of St. Martin
1299	231	Antalaya	Turkey	2	
1300	231	Serrai	Greece		
1304	230	Constantine	Algeria	40	French Prog.
		Oran (Trembles)	Algeria	40	French Prog.
		Heidelberg +5	Germany (W)	1	A.F.N.
		Haifa	Israel	1	Galei Tsahal
		Krapina +1	Yugoslavia	1	
		Gdansk	Poland	60	2nd Programme
		Szczecin	Poland	160	2nd Programme
		Vrbas	Turkey	2	
1305	230	Kozani	Greece	0.5	See also 1325 kHz
1310	229	Fort de France*	Martinique	50	

kHz	Metres	Station	Country	Power	Programme
1311	229		U.S.S.R.		
1313	228	Koetschach +13	Austria	0.2	Regional Prog.
		Ancona	Italy	6	2nd Programme
		Stavanger	Norway	100	
		Timisoara II	Rumania	30	2nd Programme
		Constanza	Rumania	2	2nd Programme
		Craiova	Rumania	2	2nd Programme
		Zaragoza	Spain	10	R.N.E.
		Aleppo*	Syria	10	Foreign Service
		Simferopol*	U.S.S.R.	100	
		Nova Gradiska+2	Yugoslavia	0.1	
1320	227	Enugu*	Nigeria	10	
1322	227	Leipzig-Wiederau	Germany (E)	150	
		Safi II	Morocco	1	Prog. B(Internat'l)
		Murmansk*	U.S.S.R.		
		Shkoder	Albania	0.2	
		Bac	Yugoslavia	0.05	
		Santarem	Portugal	0.5	
1325	226	Kozani	Greece	0.5	See also 1305 kHz
		Teheran	Iran	100	
1331	225	Roma +3	Italy	150	National Prog.
		Funchal	Madeira		
		Elvas	Portugal	1	Em. National 1
		Kothla Jarve	U.S.S.R.	20	
		Parnu	U.S.S.R.	20	
		Jajce	Yugoslavia	0.05	
1338	224	Baghdad-Thawrah*	Iraq	20	
1340	224	Lisnagarvey	U.K.	100	Radio 4(N. Ireland)
		Londonderry	U.K.	0.25	Radio 4(N. Ireland)
		Budapest-Lakihegy	Hungary	80	Foreign Service
		Belo Horizonte PRH. 6*	Brazil	25/5	Radio Guarani
		Alma Ata ?*	U.S.S.R.		
1345	223	Kuwait*	Kuwait	1	
1349	222	Bordeaux II	France	20	France Culture
		Grenoble I	France	20	France Culture
		Limoges	France	20	France Culture
		Nantes	France	10	France Culture
		Toulouse	France	20	France Culture
		Gyor	Hungary	0.4	Petofi & Regional Programmes
		Szolnok	Hungary	0.4	Petofi & Regional Programmes
		Beni Mellal*	Morocco	0.25	1st Programme
		Riga	U.S.S.R.	20	
		Tbilisi *	U.S.S.R.		
		Prygos	Greece	4	
		Gola	Yugoslavia	0.05	
			Morocco		

kHz	Metres	Station	Country	Power	Programme
1355	221	Kavalla	Greece	1	Armed Forces Radio
1358	221	Tirana	Albania		
		Berlin-Koepenick	Germany (E)	250	Voice of G.D.R.
		Bremerhaven	Germany (W)	2	R. Bremen
		Moscow II	U.S.S.R.	50	2nd Programme
		Ibadan*	Nigeria		
1360	221	Okinawa*	Ryukyu Is.		
		Toronto *	Canada		
1367	219	Venezia +13	Italy	25	3rd Programme
		Radio Nordzee International			
		Beersheba	Israel	5	Gahlei Tsahal
		Lublin	Poland	50	2nd Programme
		Bialystok	Poland	50	2nd Programme
		Lodz	Poland	50	2nd Programme
		Porto	Portugal	10	Em. National 1
		Saviese	Switzerland	0.500	French Prog.
		Petropavlovask*	U.S.S.R.	30	2nd Programme
		Radio Nordzee International			
1375	218	St. Pierre et Miquelon *	(off Canada)	4	
1376	218	Lille	France	150/250	Inter Varietes
		Vinnitsa +1	U.S.S.R.	50	
		Kardzali II	Bulgaria	2	
1385	217	Athens	Greece	50	2nd Programme
		Kaunas +1	U.S.S.R.	150	3rd.Programme
		Palma Inca EFJ. 45	Spain	2	C.A.R.
		Madrid ECS. 11	Spain	20	Radio Centro SIN
		Orense ECS. 18	Spain	2	Voz del Mino SIN
		Gerona ECS. 14	Spain	2	SIN
		La Coruna EFJ. 11	Spain	2	C.A.R.
1391	216	Ahwaz*	Iran	100	
1394	215	Tirana	Albania		
		Graz II +8	Austria	25	Regional Prog.
		Augsburg +2	Germany (W)	1	A.F.N.
		Angra do Heroismo CSB. 80	Azores	1	R.CWBE De Angra
		Astorga EAK. 48	Spain	2	R. Popular. COPE
		Cordoba (Montilla) EAK. 20	Spain	2	R. Popular. COPE
		Reus EAK. 53	Spain	2	R. Popular. COPE
		San Sebastian EAK. 44	Spain	2	R. Popular. COPE
		Santander EAK 58	Spain	2	R. Popular. COPE

kHz	Metres	Station	Country	Power	Programme
1394	215	Zamora EAK.26	Spain	2	R. Popular. COPE
contd		Zaragoza EAK. 6	Spain	2	R. Popular. COPE
		Jerez EAK. 17	Spain	2	R. Popular. COPE
		?	U.S.S.R.		
		Goteborg +1	Sweden	0.25	3rd Programme
1403	214	Bastia	France	8	Inter Varietes
		Brest	France	20	Inter Varietes
		Clermont-Ferrand	France	20	Inter Varietes
		Montpelier	France	10	Inter Varietes
		Pau	France	20	Inter Varietes
		Rouen	France	20	Inter Varietes
		Komotini	Greece	5	
		Tiraspol +1	U.S.S.R.	10	
		Conakry*	Guinea	100	Domestic Service
1410	213	Masira*	Persian Gulf	1500	
1412	212	Helsinki	Finland	2	Swedish Prog.
		Turku +1	Finland	4	Swedish Prog.
		Bad Mergentheim	Germany (W)	3	Suddeutscher Rundfunk
		Burgos EAJ. 27	Spain	2	R. Castilla SER
		Bilbao EAJ. 28	Spain	2	SER
		Castellon EAJ. 14	Spain	2	SER
		Gijon EAJ. 34	Spain	2	SER
		Granada EAJ. 16	Spain	2	SER
		Murcia EAJ. 17	Spain	2	SER
		Pamplona EAJ. 6	Spain	2	R. Requete. SER
		Tarrasa EAJ. 25	Spain	2	SER
		Pristina +4	Yugoslavia	100	
1421	211	Alger	Algeria	40	Karyl Programme
		Zyyi	Cyprus	50	BBC Relay
		Tampere	Finland	1	Swedish Programme
		Saarbrucken	Germany (W)	400	Saar Rundfunk
		Riga	U.S.S.R.	10	2nd Programme
1426.5	210	Gorgan*	Iran	1	
1430	210	Bacau +1	Rumania	50	Programme 2
		Skive +1	Denmark	70	2nd Programme
		Pesaro +2*	Italy	2	2nd Programme
		Figueras EAK. 82	Spain	2	R. Popular COPE
		Huelva EAK. 14	Spain	2	R. Popular COPE
		Jaen EAK. 40	Spain	2	R. Popular COPE
		Caleres EAK. 57	Spain	2	R. Popular COPE
		Pubrtollano EAK. 23	Spain	2	R. Popular COPE
		Ciudadela EAK. 67	Spain	2	R. Pop. de Menurca
		Leon EAK. 25	Spain	2	R. Popular COPE
		Lerida EAK. 15	Spain	2	R. Popular COPE
		Malaga EAK. 11	Spain	2	R. Popular COPE
		Menorca EAK 67	Spain	2	R. Popular COPE

kHz	Metres	Station	Country	Power	Programme
1430 contd	210	Valencia EAK. 5	Spain	2	R. Popular COPE
		Lugo EAK. 58	Spain	2	R. Popular COPE
		Valladolid EAK. 9	Spain	2	R. Popular COPE
		Ouchgorod	U.S.S.R.	50	
1432	210	Bamako	Mali	60	
1434/1436	209	?	U.S.S.R.		
1439	208	Luxembourg (Marnach)	Luxembourg	2x600	
		?	U.S.S.R.		
1448	207	Squinzano +29	Italy	50	2nd Programme
		Coimbra	Portugal	1	Em. National
		Jonkoping +9	Sweden	2	1st Programme
1454	206	Benghazi	Libya	5	
1457	206	'Radio London'	U.K.	20	B.B.C. Local Radio
		'Radio Birmingham'	U.K.	1	B.B.C. Local Radio
		'Radio Newcastle'	U.K.	2	B.B.C. Local Radio
		Tirana (Durres)	Albania		
		Judenburg +7	Austria	0.1	Regional Prog.
		Constantza II	Rumania	50	Programme 2
		Bihac +1	Yugoslavia	2	
1466	205	Monte Carlo	Monaco	200	Radio Monte Carlo
		Kautokeino +5	Norway	1	
		Simferopol*	U.S.S.R.	20	
			Iran		
1475	203	Wien II +4	Austria	150	Regional Prog.
		Lerida EAJ. 42	Spain	2	S.E.R.
		Cadiz EAJ. 59	Spain	2	S.E.R.
		Cordoba EAJ. 24	Spain	2	S.E.R.
		Oviedo EAJ. 19	Spain	2	Radio Asturias SER
		Logrono EAJ. 18	Spain	2	Radio Rioja SER
		Palma de Mallorca EAJ. 13	Spain	2	S.E.R.
		Sabadell EAJ. 20	Spain	2	S.E.R.
		Santander EAJ. 32	Spain	2	S.E.R.
		Zamora EAJ. 72	Spain	2	S.E.R.
		Baku*	U.S.S.R.		
1480	202	Trabzon	Turkey	2	
			U.S.S.R.		
1484	202	Bournemouth	U.K.	2	Radio 1
		Dundee	U.K.	2	Radio 2
		Edinburgh	U.K.	2	Radio 2
		Glasgow	U.K.	2	Radio 2
		Redmoss	U.K.	2	Radio 2
		'Radio Brighton'	U.K.	1	B.B.C. Local Radio
		'Radio Humberside'	U.K.	2	B.B.C. Local Radio
		'Radio Merseyside'	U.K.	2	B.B.C. Local Radio

kHz	Metres	Station	Country	Power	Programme
1484 contd	202	St. Poelten	Austria	0.2	
		Ostend-Breedene	Belgium	2	Dutch Network (Regional)
		Liege	Belgium	5	French Network
		Sofia (Pleven)	Bulgaria	1	
		Limassol (Polemidhia)	Cyprus	25	
		Brno +2	Czechoslovakia	2	1st (Praha) Programme
		København +2	Denmark	2	1st Programme
		Pietarssari	Finland	1	Swedish Prog.
		Pori	Finland	1	Main Programme
		Dijon +5	France	1	France-Inter/ Varietes
		Wellington Front	Gibraltar	1	
		Volos	Greece	1	
		Berlin	Germany (W)	5	Sender Freies Berlin
		Wertheim +3	Germany (W)	0.2	Suddeutscher Rundfunk
		Keflavik	Iceland	0 250	Voice of America
		Olafsfjoerdur +3	Iceland	0 020	
		Bolzano +11	Italy	2	2nd Programme
		El Adem (Benghazi)	Libya	10	B.F.B.S.
		Casablanca III	Morocco	1	Prog.C (Berber)
		Karasjok +4	Norway	1	
		Lodz +6	Poland	8	2nd Programme
		Funchal	Madeira	1	
		Baia Mare +4	Rumania	2	
		Valladolid EFE. 1	Spain	2	R.E.M.
		Beograd +44	Yugoslavia	5	
		Riga III	U.S.S.R.	3	3rd Programme
1493	201	Kitzbuhel +3	Austria	0.050	Regional Prog.
		Ajaccio +8	France	10	France Inter/ Jeunesse/Culture
		Rhodes	Greece	5	
		Leningrad +1	U.S.S.R.	50	
		Zagreb +6	Yugoslavia	7	
1495	201	Guarda	Portugal	0.02	R. Altitude
1502	200	'Radio Stoke-on-Trent	U.K.	1	B.B.C. Local Radio
		Nicosia(Haraclis)	Cyprus	7.5	B.F.B.S.
		Munster	Germany (W)	0.800	Westdeutscher Rundfunk
		Garmisch +4	Germany (W)	0.25	A.F.N.
		Warsaw	Poland	300	International Prog.
		Bilbao EAK. 13	Spain	2	R. Popular COPE
		Burgos EAK. 3	Spain	2	R. Popular COPE
		Murcia EAK. 12	Spain	2	R. Popular COPE
		Ibiza EAK 24	Spain	2	R. Popular COPE

kHz	Metres	Station	Country	Power	Programme
1502	200	Pamplona EAK. 4	Spain	2	R. Popular COPE
contd		Salamanca EAK. 19	Spain	2	R. Popular COPE
		Sevilla	Spain	2	R. Popular COPE
		Granada EAK. 39	Spain	2	R. Popular COPE
		Orense EAK. 69	Spain	2	R. Popular COPE
		Livno +2	Yugoslavia	2	
1510	199	Dalvik	Iceland	0.02	
		Kopsaker	Iceland	0.02	
		Thorshofn	Iceland	0.02	
1511	199	Bruxelles-Veltem	Belgium	20	Dutch Prog. (Regional)
		Berlin-Kopenick	Germany (E)	250	R. Berlin International
		Chania +1	Greece	5	1st/Regional Prog.
		Skopje II +2	Yugoslavia	2	
		Tallin	U.S.S.R.		
1520	197	Ostrava +5	Czechoslovakia	30	2nd Programme
		Albacete EAJ. 44	Spain	2	S.E.R.
		Alcira EAJ. 54	Spain	2	S.E.R.
		Alicante EAJ. 31	Spain	2	S.E.R.
		Gerona EAJ. 38	Spain	2	S.E.R.
		Jerez Fronterra EAJ. 58	Spain	2	S.E.R.
		Lugo EAJ. 68	Spain	2	S.E.R.
		Valladolid EAJ. 47	Spain	2	S.E.R.
		Vigo EAJ. 48	Spain	2	S.E.R.
		Burgos EAJ. 27	Spain	2	S.E.R. R. Castilla
		Jaen EAJ. 61	Spain	2	S.E.R.
		Reus EAJ. 11	Spain	2	S.E.R.
1525	197	Moscow	U.S.S.R.		
		Peking *	China Rep	2000	
1529	196	Funchal	Madeira	0.3	
		Porjus	Sweden	0.08	1st Programme
		Vatican	Vatican City	150/450	
1538	195	Mainflingen	Germany(W)	700	Deutschlandfunk
1540	195	Gevgelija	Yugoslavia		
1546	194	'Radio Bristol'	U.K.	2	B.B.C. Local Radio
		'Radio Teesside'	U.K.	0.25	B.B.C. Local Radio
		Abtenau +4	Austria	0.05	Regional Prog.
		Seelow	Germany (E)	5	Radio D.D.R.I.
		Vinnitza	U.S.S.R.	50	
1554	193	Nice I	France	150/250	France Inter/ Jeunesse
		Vilnius	U.S.S.R.	20	
1562	192	Koetschach +3	Austria	0.05	1st Programme
		Amalias	Greece	1.25	

kHz	Metres	Station	Country	Power	Programme
1562	192	Covilha	Portugal	1	Em. National 1
contd		Boras +12	Sweden	2	1st Programme
		Beromunster +1	Switzerland	1.0	German Prog.
		Bosanska Krupa +1	Yugoslavia	0.2	
1568	191	Malta	Malta		
1570	191	Bernburg-Halle	Germany (E)	20	Radio D.D.R.I.
		Osnabruck	Germany (W)	5	Norddeutscher
		Iraklion	Greece	0.25	A.F.R.T.S.
		Alicante EFE.8	Spain	2	La Voz de Alicante R.E.M.
		Gerona ECS.14	Spain	2	S.I.N.
		Santander EFE.25	Spain	2	La Voz de Cantabria R.E.M.
		Socuellamos ECS.10	Spain	2	La Voz de la Mancha S.I.N.
		Cabra ECS.12	Spain	2	Voz de Cordoba SIN
		Tarrega ECS.7	Spain	2	La Voz de Lerida
		Leningrad	U.S.S.R.	10	
		Laghouat	Algeria	4	Arabic & French Programme
1578	190	Genova +19	Italy	50	National Prog.
		Frendrikstad +1	Norway	10	
		Porto	Portugal	10	Em do Norte Reunides
1580	190	Bangkok	Thailand	1000	
1586	189	Langenburg	Germany (W)	400/800	Westdeutscher Rundfunk
		Tartu	U.S.S.R.	15	2nd Programme
1594	188	Bournemouth	U.K.	0.25	Radio 3
		Dundee	U.K.	0.25	Radio 3
		'Radio Leicester'	U.K.	0.5	B.B.C. Local Radio
		Foxdale (Isle of Man)	U.K.	1	Radio Manx
		Braunau +1	Austria	0.05	Regional Prog.
		Kortrijk-Kuurne	Belgium	2	Dutch Network (Regional)
		Tatry +1	Czechoslovakia	2	Bratislava Reg. Programme
		Esbjerg	Denmark	2	1st Programme
		Nimes +3	France	1	France Inter/ Varietes
		Hengelo +2	Netherlands	2.5	
		Olomouc +1	Czechoslovakia	2	Bratislava Prog.
		Marrakech III	Morocco	1	Prog.C (Berber)
		Magyarovar	Hungary	0.4	Petofi & Regional Programmes
		Miscolcz	Hungary	15	Kossuth & Regional Programmes
		Bolzano +8	Italy	2	3rd Programme

kHz	Metres	Station	Country	Power	Programme
1594	188	Tripoli	Libya	5	A.F.R.T.S.
contd		Opole +2	Poland	2	
		Lisboa	Portugal	10	
		Joenkoeping +5	Sweden	0.20	3rd Programme
		Karlovac +11	Yugoslavia	2	
1602	187	Munich-Ismaning	Germany (W)	185/370	Bayerischer Rundfunk
1612	186	Amfissa	Greece		

GEOGRAPHICAL LIST OF LONG- AND MEDIUM-WAVE EUROPEAN STATIONS

	kHz
ALBANIA	
Gjirokaster	1292
Korca	958
Kukes	993
Shkoder	1322
Tirane	1088
	1214
	1358
	1394
Tirana (Durres)	1457
	1169
	1180
ALGERIA	
Ain Beida	533
Alger	890
	980
	1421
Batna	1016
Constantine	1142
	1304
Ksar es Souk	863
Laghouat	1570
Michelet	692
Oran	548
	1142
Oran (Trembles)	1304
Souk Ahras	1079
Tipaza	254
Tlemcen	746
Touggourt	557
ANDORRA	
Andorra	701
	818
AUSTRIA	1142
Abtenau.	1546
Aigen	674
Aldrans	520
	629
Bad Goisern	1052
Bad Ischl	566
Bischofshofen	674
Bludenz	520
Branau	1594
Dobl	1025
Dornbirn (Lauterach)	1025
Ehrwald	962
Feistritz	566
Gloggnitz	674
Graz	1394
Greifenburg	566
Grossarl	1088
Heiflau	674
Judenburg	1457
Kitzbuhel	1493
Klagenfurt	584
	728
Koetschach	1313
	1562
Laiterach	629
Lienz	520
	629
Liezen	520
Linz	890
Linz (Kronstorf)	1025
Maria Pfarr	1025
Matrei	674
Mayrhofen	584
Meuhlbach	566
Muerzzuschlag	1124
Muraj	520
Neumarkt	674
Neukirchen	566
Radentheim	674
Radstadt	566
Ried	674
Salzburg	584
St. Poelten	1484
Wien	584
	1475
AZORES	
Angra de Heroismo	1394
Ponta Delgada	836
BELGIUM	
Aye-Marche	1043
Bruxelles-Veltem	1511
Houdeng	1124
Kortrijk-Kuurne	1594
Liege	1484
Ostend-Breedene	1484
Wavre-Overijse	620
	926

BULGARIA	kHz
Blageovgrad	863
Kardzali	1160
	1376
Petrich	1043
Pleven	944
Plovdiv	746
Shumen	1295
Sofia-Pleven	593
	1484
Sofia-Stolnik	773
Sofia (Vakarel)	827
Stara Zagora	1223
Sumen	1295
Varna	1124
	1280

CYPRUS	
Coral Bay (Paphos)	917
Limassol (Polemidhia)	1484
Limassol (Zyghi)	638
	719
Nicosia	602
	692
Nicosia (Haraclis)	1502
Zyyi	890
	1421

CZECHOSLOVAKIA	
Banska Bystrica	701
Bratislava	701
	1097
Brno	953
	1484
Hradec Kralove	1232
Kosice	701
	1232
Olomouc	1594
Orava	701
Ostrava	1520
Plzen	953
Praha	638
Praha Melnik	1286
Tatry	1232
	1594
Uherske-Hradiste	272
Usti-nad-Labem	701

DENMARK	
Esbjerg	1594
Kalundborg	245
	1061
Kobenhavn	1484
Skive	1430
Thorshavn	584

EGYPT	
Alexandria	1196
Aswan	1277
Asyut	737
	980
	1178
Batra	620
	818
	1106
Beni Suef	1079
	1155
Cairo	557
	602
	710
	773
	872
	935
	1061
Quena	1142

EIRE	
Athlone	566
Connemara	539
West Cork	962
Cork	1250
Dublin	1250

FINLAND	
Helsinki	557
	1412
Joensuu	520
Kuopio	755
Lahti	254
Oulu	433
Pietarssari	1484
Pori	1484
Tampere	1421
Turku	962
	1412
Vaasa	1241
Ylivieska	836

FRANCE	
Ajaccio	1493
Allouis	163.8
Bastia	1403
Bayonne	539
Bordeaux	1205
	1349
Brest	1241
	1403
Clermont Ferrand	1403
Dijon	1484

France-contd	kHz
Grenoble	1349
Lille	1241
	1376
Limoges	791
	1349
Lyon	602
	1241
Marseille	674
	1241
Montpelier	1403
Nancy	836
	1241
Nantes	1349
Nice	1241
	1554
Nimes	1594
Paris	584
	863
	962
	1070
Pau	1403
Rennes	710
	1241
Rouen	1403
Strasbourg	1160
	1277
Toulouse	944
	1349

GERMANY (EAST)	
Berlin	611
	881
	1358
	1511
Bernburg-Halle	1570
Burg-Magdeburg	263
	782
	908
	935
Cottbus-Hoyerswerda	746
Dresden-Wilsdruff	1048
Erfurt	629
Greifswald	557
Karl-Marx-Stadt	602
Leipzig-Wiederau	575
	1322
Oranienburg	185
Plauen	1079
Potsdam	656
Puttbus	1052
Reichenbach	917
Schwerin	529
Schwerin-Wobbelin	728
Seelow	1546
Suhl	1052
Suhl Wachenbrunn	692

GERMANY (WEST)	
Aachen	701
Augsburg	1394
Aurich	701
Baden-Baden	827
Bad Mergentheim	1412
	566
Berlin	683
	809
	935
	989
	1484
Berlin-Britz	854
Braunschweig	548
	755
Buchen-Walldurn	998
Bonn	971
Bremen	1079
Bremerhaven	1358
Diedrichshagen	602
Flensburg	701
Frankfurt	593
	872
Freiburg	827
Garmisch	1502
Gottingen	971
Grafenwohr	611
Hamburg	971
Hanover	520
	1025
Heidelburg	998
	1304
Heilbronn	1169
Herford	701
Hof-Saale	520
	683
	737
Hoher-Meissner	593
Kaiserslautern	611
	827
Karlsruhe	1034
Kiel	827
Kleve	971
Koblenz	827
Langenburg	1586
Lingen	701
Mainflingen	151
	1538
Mainz (Wolfsheim)	1016

Germany (West)-contd	kHz
Munich	173
	1106
Munich (Holzkirchen)	719
Munich-Ismaning	1196
	1602
Munster	1502
Neumunster	1268
Nurnburg	611
Nurnburg-Dilburg	800
Oldenburg	971
Osnabruck	1570
Passau	520
Ravensburg	755
Rohrdorf	665
Saarbrucken	1421
Saarlouis-Felsburg	180
Siegen	701
Stuttgart-Hirschlanden	1142
Stuttgart-Muehlacker	575
Ulm	1169
Wertheim	1484
Wurzburg	520
Trier	827
GIBRALTAR	
Wellington Front	1484
GREECE	
Amalias	1562
Amfissa	1612
Athens	665
	728
	1142
	1385
Chania	1511
Florina	1277
	1570
Iraklion	980
Joannina	953
Kavalla	1355
Kerkyra	1007
Komotini	1403
Kozani	1305
	1325
Larissa	744
Mesolongion	1070
Orestian	1079
Prygos	1349
Rhodes	1259
	1493
Salonika	791
	1043
	1178
Serrai	1300
Tripolis	1016
Volos	1484
Zakynthos	926
HUNGARY	
Balatonszabadi	1250
Budapest	872
Budapest-Lakihegy	539
	1340
Gyor	1349
Magyarovar	1594
Miscolcz	1594
Nyiregyhaza	1250
Pecs	872
Szolnik	1187
	1349
ICELAND	
Akureyri	737
Dalvik	1510
Eidar	209
Hoefn	665
Keflavik	1484
Kopsaker	1510
Olafsfjoerdur	1484
Reykjavik	209
Thorshofn	1510
IRAQ	
Baghdad-Thawrah	1338
Hurriyah	760
Thourah (Baghdad)	908
ISRAEL	
Akko	1205
Beersheba	1367
Beit Hilel	881
Haifa	1304
Jerusalem	677
	710
	1025
	1169
Safad	845
Tel Aviv	575
	656
	737
	1286
ITALY	
Ancona	1313
Aosta	566
	1115

Italy-contd	kHz
Bari	1115
Bologna	566
	1097
	1115
Bolzano	656
	1484
	1594
Cagliari	1061
Caltanissetta	566
	1034
Firenze	656
Genoa	1016
Genova	1034
	1578
Messina	1115
Milano	899
	1034
Napoli	656
	1034
Palermo	1115
Pesaro	1430
Pescara	1034
Pisa	1115
Potenza	1034
Rimini	1223
Roma	845
	1331
San Remo	1034
Salento	566
Squinzano	1448
Torino	656
Trieste	818
	980
	1115
Venezia	656
	1016
	1034
	1367
JORDAN	
Amman	800
LEBANON	
Beirut	836
	989
LIBYA	
Bayda	1124
Benghazi	1454
El Adem (Benghazi)	1484
El Gawarsha	674
Tripoli	1052
	1250
	1594
LUXEMBOURG	
Luxembourg	233
Luxembourg (Marnach)	1439
MADEIRA	
Funchal	1331
	1484
	1529
MALI	
Bamako	1432
MALTA	
Malta	998
	1568
Radio Malta	1214
MONACO	
Monte Carlo	218
	1466
MOROCCO	
Agadir	935
	1196
Azilal	209
Beni Mellal	1349
Casablanca	1079
	1187
	1484
Ksar es Souk	863
Marrakech	971
	1151
	1594
Oujda	593
	827
Rabat	818
	1025
	1295
Safi	1025
	1322
Sebaa Ayoun	611
	701
	1043
Tangier	1016
	1115
	1232
Tetuan	917
	1052
	1349

NETHERLANDS	kHz
Hengelo	1594
Lopik	746
	1007
	1250
NORTH SEA	
Radio Nordzee International	1367
Radio Veronica	1562
NORWAY	
Bergen	890
Bodo	674
Bo Vesteralen	1115
Finmark (Vadso)	701
Frendrikstad	1578
Karasjok	1484
Kautokeino	1466
Kristiansand	890
Oslo	218
Roeros	520
Stavanger	1313
Tromso	155
Trondelag	890
Vigra	629
POLAND	
Bialystock	1367
Gdansk	1304
Katowice	1079
Krakow	1205
Lodz	719
	1367
	1484
Lublin	1367
Opole	1594
Poznan	737
Rzeszow	1205
Szczecin	1304
Warsaw	1502
Warsaw-Mokotov	818
Warsaw-Raszyn	227
Wroclaw	1259
Zielona Gora	1259
PORTUGAL	
Braganca	575
Chaves	1250
Coimbra	1448
Covilha	1562
Elvas	1331
Faro	557
Guarda	557
	1495
Lisboa	1286
	1594
Lisbon	665
	755
Miramar (Porto)	782
Miranda do Douro	629
Norte	719
	1061
Portalegre	1196
Porto	1169
	1367
	1578
Porto Alto	1034
Santarem	1322
Sao Gabriel	971
Valencia do Minho	566
Vill Real Tras-os-Montes	620
Viseu	692
RUMANIA	
Bacau	1430
Baia Mare	1484
Bucuresti-Kherastrav	602
Bucuresti (Tinchebesti)	854
Brasov	155
Cluj	908
	1151
Constantza	1313
	1457
Craiova	1313
	557
Iasi	1052
Logoj	755
Timisoara	629
	1313
SPAIN	
Albacete	1520
Alcira	1520
Alicante	1520
	1570
Astorga	1394
Avila	1133
Badalona	953
Badajoz	1025
Barcelona	737
	827
	1025
	1124
	1178

Spain-contd	kHz
Bilbao	998
	1133
	1259
	1412
	1502
Burgos	1133
	1412
	1502
	1520
Cabra	1570
Cadiz	1475
Caleres	1430
Campo de Gibraltar	728
Castellon	1412
Ciudadela	1430
Ciudad Real	1145
Cordoba	1394
	1475
Cuenca	1187
Figueras	1430
Gerona	1385
	1520
	1570
Gijon	1412
Granada	836
	1412
	1502
Huelva	836
	1430
Huesca	1106
Ibiza	1502
Jaen	1133
	1430
	1520
Jerez Fronterra	1520
La Coruna	638
	1106
	1385
Las Palmas	836
	953
	1097
	1268
Leon	1106
	1178
	1430
Lerida	1133
	1430
	1475
Linares	1106
Logrono	1475
Lugo	1430
	1520
Madrid	584
	800
Madrid-contd	917
	953
	989
	1097
	1223
	1268
	1385
Malaga	1007
	1133
	1430
Mallorca	800
	1268
Manresa	1106
Menorca	1430
Murcia	854
	1133
	1412
	1502
Orense	1385
	1502
Oviedo	548
	1133
	1475
Palencia	836
Palma de Majorca	1268
	1475
Palma Inca	1385
Pamplona	1167
	1412
	1502
Pubrtollano	1430
Reus	1394
	1520
Sabadell	1475
Salamanca	1502
San Sebastian	773
	1025
	1097
	1394
Santander	1394
	1475
	1570
Sevilla	971
	683
	809
	1133
	1187
	1502
Socuellamos	1570
Tarrega	1570
Tarrasa	1412
Valencia	836
	1079
	1259
	1430

Spain-contd	kHz
Valladolid	1430
	1484
	1520
Victoria	1106
Vigo	1133
	1268
	1520
Zamora	1394
	1475
Zaragoza	872
	1133
	1313
	1394

SWEDEN	
Boras	1562
Falun	1223
Goteborg	980
	1394
Horby	1178
Joenkoeping	1448
	1594
Lulea	182
Malmberget	773
Motala	1491
Ostersund	719
Porjus	1529
Stockholm	773
Sundsvall	593

SWITZERLAND	
Beromunster	527
	1562
Monte Ceneri	557
Saviese	1367
Sottens	764

SYRIA	
Aleppo	1313
Aleppo-Sarakeb	746
Damas-Sabbourah	665
Damascus	602
	782
	863
	944
Deir el Zor	959
Homs	566
Tartus	1072

TUNISIA	
Tunis	629
	962
Sfax	602
	719

TURKEY	kHz
Ankara	182
Antalaya	1299
Cukurova	629
Diyabakir	1061
Erzurum	245
Gaziantep	1090
	1207/8
Istanbul	701
	965
Izmir	926
Trabzon	1480
Van	1170/6
Vrbas	1304

UNITED KINGDOM	
Barnstaple	1052
Barrow	1484
Bartley	1457
Bexhill	1457
Bournemouth	1484
	1594
Brighton	1214
	1457
	1546
Brookmans Park	908
	1214
Burghead	809
	1214
Clevedon	1457
Cromer	1484
Crowborough	809
	1295
Daventry	647
Divis (Belfast)	1546
Droitwich	200
	1088
	1214
Dumfries	809
Dundee	1484
	1594
Edinburgh	647
	1484
Exeter	1546
Fareham	1214
	1546
Folkestone	1457
Foxdale (Isle of Man)	1295
	1594
Glasgow	647
	1484
Hull	1214
Leeds	1546

United Kingdom	kHz
Lisnagarvey	1214
	1340
Liverpool	1546
Londonderry	1214
	1340
Moorside Edge	692
	1214
Newcastle	647
	1214
Norwich	1088
Penmon	881
Plymouth	1214
	1546
Postwick	1214
Preston	1546
Ramsgate	1484
Redmoss	647
	809
	1214
	1484
Redruth	1214
	1457
	1546
Scarborough	1151
Stagshaw	1151
Start Point	1052
Stockton on Tees	1546
Swansea	1546
Towyn	881
Washford	881
	1214
Westerglen	809
	1214
Whitehaven	692
	1151
Wrexham	881
U.S.S.R.	
Alma Ata	182
	227
	980
	1070
	1097
	1340
Arkhangelsk	375
Achkhabad	200
	375
Astrakhan	791
Baku	218
	1016
	1475
Blagoveschensk	191
Cheboksary	530
Chita	173
Dnepropetrovsk	1070
Donetsk	710
Dyushambe	254
	350
Elista	845
Erevan	254
Gorkii	827
Groznyi	656
Ijevsk	584
Iochkar-Ola	899
Irkutsk	200
Ivanovo	926
Kaliningrad	1115
Kaunas/Vilnius	665
Kaunas	1385
Kazan	200
	254
Khabarovsk	335
	395
Kharkov	385
	836
Kichinev	998
Kiev	209
	782
	1241
Kothla Jarve	1331
Krasnoyarsk	218
Kuibychev	809
Leningrad	200
	236
	548
	800
	1124
	1493
	1570
Lvov	935
Makhach Kala	917
Minsk	281
	400
Moscow	155
	173
	200
	263
	320
	388
	872
	1277
	1358
	1525
Murmansk	656
	1322
Novosibirsk	272

U.S.S.R. -contd	kHz
Odessa	548
	764
	1169
Omsk	394
Orenburg	300
Ouchgorod	890
	1430
Oufa	692
Parnu	1331
Perm	1088
Petropavlovsk	1367
Petrozavodsk	611
Riga	575
	1070
	1142
	1349
	1421
	1484
Rostov/Don	944
Saransk	1061
Saratov	340
Simferopol	647
	1313
	1466
Smolensk	971
Stavropol	881
Tallinn	710
	1034
	1214
	1511
Tartu	1586
Tashkent	164
	400
Tbilisi	191
	1043
	1349
Tchelyabinsk	737
Tchernovtsy	674
Tiraspol	1403
Tomsk	1025
Ulan Ude	281
Vilnius	1106
	1554
Vinnitsa	836
	1376
	1546
Vladivostok	380
Volgograd	557
Voronejh	773
Yerevan	362
	863
Yuzhno Sakhal	360
	366
	390
	1192

	kHz
Yuzhno Sakhal-contd	1295
	1311
	1394
	1434/6
	1439
	1480
	1538
VATICAN	
Vatican City	782
	1529
YUGOSLAVIA	
Baske Ostarije	1124
Bac	1322
Banja Luka	1070
Beli Kris Koper	1169
Beograd	686
	1007
	1484
Bihac	1457
Bosanska Krupa	1562
Brcko	1286
Cakak	980
Cakovec	962
Dubrava	277
Gevgelija	1540
Gola	1349
Gracanica	1241
Jajce	1331
Karlovac	1594
Koper-Beli Kriz	1079
Krapina	1304
Livno	1502
Ljubliana	917
Mostar	1205
Nis	926
Nova Gradiska	1313
Novi Sad	1268
	1088
Oharovica	944
Otocac	746
Pristina	1412
Rijeka	782
Sarajevo	611
Skopje	809
	1511
Titograd	881
Tovarnik	647
	1133
Ucka	773
Vranje	1295
V. Dinske Toplice	1061
Zadar	1142
Zagreb	710
	1493
Zupanja	1061

In general, short-wave stations adjust their frequency schedules four times a year, because of different propagation conditions in spring, summer, autumn and winter. Alterations are arranged on an international basis.

Although some stations may use virtually the same channels throughout the year with only minor differences, others use particular frequencies during only one or two of the four periods. The short-wave list therefore has columns marked M, J, S and D, representing the March, June, September and December periods when channelling is changed. Other changes noted by the listener can be recorded similarly. The columns also indicate the extent of each short-wave band allocated to broadcasting; these indications exclude the out-of-band frequencies which are also occasionally used.

Transmitter power in the short-wave bands is not easily defined, because the majority of stations have a number of senders of varying power, any one of which may he used as required. The powers quoted are therefore the lowest and highest known to operate at a location and should be used only as a rough guide, because it is impossible to cover all the possibilities.

A high-gain aerial, beamed towards the listener, can provide a strong signal from a comparatively low-powered transmitter, although a narrow-beam array, powered with 250 kW but directed away from the receiving site, may be barely audible. Thus power figures merely indicate the capability of a station in terms of field strength; the direction of main radiation may or may not favour a listener outside the target zone.

A station name can be that of the large town nearest to the transmitting site, or it can be the capital of the country even, although there may be more than one transmitting site. Occasionally two different place names are given, separated by an oblique stroke; this indicates that the channel is shared. Where the same transmitter operates at different times on adjacent channels, separate entries are made; this accounts for the multiplicity of entries under some place names. In some cases clandestine stations are given by their slogan and no country is shown.

This list of stations is compiled from information obtained from broadcasting authorities and the Tatsfield receiving station of the B.B.C. covering the period March 1971 February 1972.

A geographical list of short-wave stations will be found on page 159.

MHz	Metres	Station	Country	kW
2.500	120.0	Rugby (U.K.)	U.K.	
2.510	119.5	Taegu	Korea (N)	10
2.600	115.0	Fukien Front Stn.	China Rep.	
2.700	111.0		Thailand	
2.800	107.5	Fukien Front Stn.	China Rep.	
2.850	105.3	Pyongyang	Korea (N)	120
3.000	100.0			
3.175	94.49	Pyongyang	Korea (N)	120
3.200	94.0	Fukien Front Stn.	China Rep.	
3.205	93.61	Ibadan	Nigeria	10
3.210	93.60	Quelimane	Mozambique	0.25

MHz	Metres	Station	Country	kW
3.215	93.59	Mocamedes	Angola	25
3.223	93.08	Simla	India	2.5
3.223	93.08	Swazi Radio	Swaziland	
3.227	93.10	Monrovia	Liberia	10
3.230	92.90	Suva	Fiji	4/10
3.232	92.80	Brazzaville	Congo Rep. (W)	4
3.232	92 80	Tananarive	Malagasy Rep.	30
3.235	92.75	Gauhati	India	10
3.240	92.60	Baghdad	Iraq	50
3.242	92.56	Lima	Peru	
3.242	92.56	Abidjan	Ivory Coast	10
3.245	92.40	Chengtu	China Rep.	
3.245	92.40	Maceio	Brazil	
3.250	92.30	Bandjarmasin	Indonesia	
3.250	92.30		Peru	
3.255	92.17	Bloemfontein	South Africa	20
3.255	92.17	El Tigre	Venezuela	
3.255	92.17	Marilia	Brazil	
3.255	92.17	Monrovia	Liberia	10
3.260	92.02	Niamey	Niger	4
3.260	92.02	Kweiyang	China Rep.	
3.265	91.87	Georgetown	Guyana	2
3.265	91.87	Ribeirao Preto	Brazil	1
3.265	91.87	L. Marques	Mozambique	25
3.265	91.87	Brazzaville	Congo Rep. (W)	
3.270	91.74	Dili	Timor	
3.270	91.74	Cotonou	Dahomey	4
3.272	91.72	Novo Redondo	Angola	
3.275	91.60	Bauru	Brazil	1
3.275	91.60	Maracaibo	Venezuela	1
3.275	91.60	Kashmir	Jammu and Kashmir	1
3.277	91.55	Djakarta	Indonesia	
3.280	91.40	St. Georges	Brit.W. Indies	5
3.284	91.33	Suva	Fiji	
3.285	91.32	Bloemfontein	South Africa	
3.285	91.32	Tananarive	Malagasy Rep.	
3.290	91.19	Tristan da Cunha	Tristan da Cunha	0.04
3.290	91.19	P. Moresby	Papua	2
3.295	91.05	Campo Grande	Brazil	
3.295	91.05	Delhi	India	
3.295	91.05	Lusaka	Zambia	
3.295	91.05	Samarinda	Indonesia	7.5
3.295	91.05	Trujillo	Venezuela	1
3.300	90.91	Libreville	Gabon Rep.	4
3.300	90.91	Belize	Brit. Honduras	1
3.300	90.91	Bujumbura	Burundi	25
3.305	90.77	Caracas	Venezuela	1
3.305	90.77	Manila	Philippine Is.	1
3.305	90.77	Daru	Papua	10
3.315	90.49	Bhopal	India	10
3.315	90.49	Fort de France	Martinique	4

MHz	Metres	Station	Country	kW
3.315	90.49	Maracay	Venezuela	1
3.315	90.49	Alagos	Brazil	0.5
3.315	90.49	Pasaje	Ecuador	2
3.315	90.49	Freetown	Sierra Leone	5
3.315	90.49	Djambi	Indonesia	
3.320	90.36	Bloemfontein	South Africa	
3.320	90.36	Pyongyang	Korea (N)	100
3.320	90.36	S. Cruz	Bolivia	1
3.320	90.36	Quevedo	Ecuador	
3.322	90.36	Kieta	Papua	
3.325	90.23	Campina	Brazil	
3.325	90.23	Guarulpos	Brazil	
3.325	90.23	Djajapura	Indonesia	1
3.325	90.23	Maturin	Venezuela	
3.325	90.23	Taiwan	China Nat.	
3.325	90.23	Heuhuetenango	Guatemala	
3.330	90.10	Canadian Obs.	Canada	
3.330	90.10	Dzaudzi	Comoro Is.	15
3.330	90.10	Piua	Peru	
3.330	90.10	Peshawar	Pakistan	
3.335	89.96	Wewak	Papua	10
3.335	89.96	Belem	Brazil	
3.335	89.96	Tamsui	China Nat.	
3.340	89.90	Esmeraldas	Ecuador	10
3.340	89.90	Pontianak	Indonesia	
3.340	89.90	Ziguinchor	Senegal	
3.345	89.69	Manila	Philippine Is.	1
3.345	89.69	Pontianak	Indonesia	10
3.345	89.68	Lusaka	Zambia	
3.350	89.55	Tema	Ghana	20
3.350	89.55	Urumchi	China Rep.	
3.350	89.55	Franceville	Gabon Rep.	
3.355	89.42	Noumea	New Caledonia	
3.355	89.42	Luanda	Angola	1
3.355	89.42	Kurseong	India	
3.355	89.42	Valencia	Venezuela	1
3.355	89.42	Gaberones	Botswana	10
3.356	89.40	Surabaya	Indonesia	
3.365	89.15	Delhi	India	10
3.365	89.15		Indonesia	
3.365	89.15	Londrino	Brazil	
3.365	89 15	Santiago	Dominican Rep.	1
3.366	89 14	Tema	Ghana	10
3.370	89.96	Tananarive	Malagasy Rep.	4
3 375	89.90	Luanda	Angola	10
3.375	89.90	Djambi	Indonesia	1
3.375	89.90	Gauhati	India	10
3.375	89.90	Maguana	Dominican Rep.	1
3.380	88.80	Blantyre	Malawi	10
3.380	88.80	Bamako	Mali	18
3 380	88.80	Chortis	Guatemala	1

MHz	Metres	Station	Country	kW
3.385	88.62	Barcelona	Venezuela	10
3.385	88.62	Cavenne	Fr. Guiana	4
3.385	88.62	Kupang	Indonesia	0.5
3.385	88.62	Teresina	Brazil	1
3.385	88.62	Colombo	Ceylon	10
3.385	88.62	Rabaul	New Guinea	10
3.388	88.55	Kuala Lumpur	Malaysia	
3.390	88.50	Zaracay	Ecuador	2
3.390	88.50	Sincaradja	Indonesia	
3.390	88.50	Kabul	Afghanistan	
3.390	88.50	Peking	China Rep.	
3 395	88.35	Merida	Venezuela	1
3.395	88.35	Luanda	Angola	0.25
3.396	88.36	Kaduna	Nigeria	10
3.396	88.36	Medan	Indonesia	0.15
3.396	88.36	Gwelo	Rhodesia	20
3.400	88.30	Fukien Front Stn.	China Rep.	
3.405	88.11	Santiago	Dominican Rep.	
3.406	88.11	Kashmir	Jammu and Kashmir	
3.410	88.10	Air Force Stn.	Indonesia	
3.415	88.09	Medan	Indonesia	1
3.417	88.08		U.S.S.R.	
3.450	86.96	Peking	China Rep.	
3.535	84.81	Fukien Front Stn.	China Rep.	
3.540	84.80	Voice of Iraqi		
3.560	84.30	Pyongyang	Korea (N)	120
3.560	84.30	Peking	China Rep.	20
3.570	84.08	Calceta	Ecuador	0.5
3.575	84.09		Indonesia	
3.600	83.35		Malaysia	
3.660	82.18	Peking	China Rep.	20
3.700	81.10		Indonesia	
3.704	81.00	Nova Lisboa	Angola	1
3.780	79.20	Teheran	Iran	10
3.815	78.40		China Rep.	
3.830	78.18	Peking	China Rep.	
3.840	78.10		Malaysia	
3.872	77.50	Karachi	Pakistan	
3.886	77.20	C. Verde Is.	Cape Verde Is.	1
3.900	76.92	Praia	Cape Verde Is.	
3.900	76.92	Hailar	Mongolian Rep.	
3.900	76.92	Peking	China Rep.	20
3.900	76.92	Fukien Front Stn.	China Rep.	
3.905	76.83	Delhi	India	20
3.910	76.72	Tokyo	Japan	10
3.915	76.63	Peking	China Rep.	
3.915	76.63	Quetta	Pakistan	10
3.915	76.63	Tebrau	Malaysia	7.5
3.915	76.63	Seoul	Korea (S)	5
3.915	76.63	Ternate	Indonesia	0.3
3.920	76.56	Peking	China Rep.	

MHz	Metres	Station	Country	kW
3.925	76.43	Delhi	India	10
3.925	76.43	Port Moresby	Papua	10
3.925	76.43	Tokyo	Japan	50
3.930	76.35	Peking	China Rep.	
3.930	76.35		India	
3.930	76.35	Huhetot	Mongolian Rep.	
3.930	76.35	Barlavento	Cape Verde Is.	1
3.930	76.35		U.S.S.R.	
3.935	76.25	Semarang	Indonesia	10
3.935	76.25	Okinawa	Ryukyu Is.	35
3.940	76.12		U.S.S.R.	
3.940	76.12		China Rep.	35
3.940	76.12	Kashmir Radio	Jammu and Kashmir	10
3.945	76.10	Denpassar	Indonesia	1
3.945	76.10		Philippine Is.	0.5
3.945	76.10	Hokkaido	Japan	10
3.945	76.10		Pakistan	
3.945	76.10		U.S.S.R.	
3.945	76.10		China Rep.	
3.950	75.95	Peking	China Rep.	
3.952.5	75.91	London	U.K.	
3.952.5	75.91	Paradys	South Africa	20
3.958	75.80	Port Stanley	Falkland Is.	0.5
3.960	75.75	Peking	China Rep.	120
3.960	75.75	Padang	Indonesia	10
3.960	75.75	Baku	U.S.S.R.	
3.960	75.75	Port Villa	Melanesia	0.5
3.960	75.75	Baghdad	Iraq	100
3.960	75.75	R.F.E.		10
3.960	75.75	Beira	Mozambique	5
3.965	75.66	Bloemfontein	South Africa	20
3.965	75.66	Paris	France	4
3.965	75.66	Taiwan	China Nat.	0.1
3.970	75.57	Huetot	Mongolian Rep.	
3.970	75.57	Bandong	Indonesia	
3.970	75.57	Bandeira	Angola	1
3.970	75.57	R.F.E.		20
3.970	75.57	Peking	China Rep.	
3.970	75.57	Buea	Cameroon	8
3.975	75.50	London	U.K.	
3.975	75.50	Surabaya	Indonesia	10
3.980	75.38	Peking	China Rep.	
3.980	75.38	Munich	Germany (W)	100
3.980	75.38	Enugu	Nigeria	5/60
3.980	75.38	Meyerton	South Africa	
3.980	75.38	Dacca	Bangla Desh	7.5
3.985	75.28		U.S.S.R.	
3.985	75.28	Berne	Switzerland	100
3.985	75.28	Lagos	Nigeria	100
3.985	75.28	Merauke	Indonesia	0.25
3.985	75.28	Hanoi	Vietnam	

MHz	Metres	Station	Country	kW
3.985	75.28	Peking	China Rep.	
3.985	75.28	Seoul	Korea (S)	0.3
3.990	75.19	Monrovia	Liberia	50
3.990	75.19	R. Liberty		20
3.990	75.19	Taipei	China Nat.	0.3
3.990	75.19	Accra	Ghana	10
3.995	75.09	Honiara		5
3.995	75.09		U.S.S.R.	
3.995	75.09	R.F.E.		20
3.995	75.09	Rome	Italy	5
3.997	75.00	Paradys	South Africa	20
3.999	75.00	Godthaab	Greenland	1
4.000	75.00			
4.003	74.99	Tengkou	China Rep.	
4.010	74.81	Frunze	U.S.S.R.	15
4.020	74.70	Peking	China Rep.	120
4.030	74.45	Peking	China Rep.	
4.035	74.35	Lhasa	Tibet	
4.035	74.35	Peking	China Rep.	
4.040	74.27		U.S.S.R.	
4.050	74.16	Frunze	U.S.S.R.	
4.055	73.98	Petropavlovsk	U.S.S.R.	50
4.055	73.98	Peking	China Rep.	
4.057	73.79	Rawalpindi	Pakistan	
4.060	73.78	Huhetot	Mongolian Rep.	
4.068	73.76	Peking	China Rep.	20
4.080	73.71	Semipalatinsk	U.S.S.R.	50
4.080	73.71	Ulan Bator	Mongolian Rep.	50
4.100	73.00		U.S.S.R.	
4.105	72.99		U.S.S.R.	
4.110	72.99	Urumchi	China Rep.	
4.110	72.99		U.S.S.R.	
4.103	72.65	Peking	China Rep.	
4.200	71.24	Peking	China Rep.	120
4.210	71.27	Peking	China Rep.	
4.220	71.09	Peking	China Rep.	
4.220	71.09		U.S.S.R.	
4.220	71.09	Urumchi	China Rep.	
4.250	70.60	Peking	China Rep.	120
4.273	70.20	Pyongyang	Korea (N)	120
4.310	69.61	Chimkent	U.S.S.R.	
4.315	69.54			
4.380	68.47	Fukien Front Stn.	China Rep.	
4.380	68.47	Peking	China Rep.	
4.395	68.30	Yakutsk	U.S.S.R.	50
4.400	68.18	Ulan Bator	Mongolian Rep.	
4.400	68.18	Urumchi	China Rep.	
4.400	68.18	Kanggye	Korea (N)	
4.410	68.03	Pyongyang	Korea (N)	120
4.416	67.97		U.S.S.R.	
4.423	67.85	Kokchetak	U.S.S.R.	50

MHz	Metres	Station	Country	kW
4.460	67.27	Peking	China Rep	
4.465	67.20	R.F.E.		
4.480	66.95	Peking	China Rep.	
4.485	66.90	Petropavlovsk	U.S.S.R.	
4.500	66.67	Urumchi	China Rep	
4.510	66.58	Yerevan	U.S.S.R.	
4.520	66.37		U.S.S.R.	
4.525	66.30	Berlin Time Signal	Germany (E)	
4.527	66.29	Silinhot	China Rep.	
4.542	66.04	Urumchi	China Rep.	
4.545	66.00	Alma Ata	U.S.S.R.	55
4.555	65.95		U.S.S.R.	
4.557	65.94	V. of Rev. Pty. for Reunification		
4.565	65.72	R.F.E.		
4.600	65.22	Katmandu	Nepal	
4.610	65.06	Khabarovsk	U.S.S.R	50
4.620	64.94	Peking	China Rep.	
4.620	64.94		U.S.S.R.	
4.635	64.72	Dyushambe	U.S.S.R.	50
4.650	64.52	Quito	Ecuador	1
4.656	64.44		U.S.S.R.	
4.660	64.30	R. Pathet Laos		
4.684	64.05	Hanoi	Viet Nam	
4.684	64.05	Quito	Ecuador	
4.684	64.05		U.S.S.R.	
4.710	63.73		U.S.S.R.	
4.715	63.60	Mindelo	Cape Verde Is	0.25
4.720	63.52	Sao Vincente	Cape Verde Is	
4.720	63.52	Makassar	Indonesia	
4.720	63.52		U.S.S.R.	
4.725	63.49	Rangoon	Burma	50
4.740	63.30	Comores	Comoro Is.	30
4.749	63.18	Guayaquil	Ecuador	0.25
4.750	63.16	Lumbumbashi	Zaire Rep.	10
4.750	63.16	Hailar	Mongolian Rep.	
4.754	63.10	Taybac	Viet Nam	
4.754	63.10	Oruro	Bolivia	
4.755	63.09	Campinas	Brazil	
4.755	63 09	Makassar	Indonesia	20
4.755	63.09	Danli	Honduras Rep.	
4.760	63.03	L. Marques	Mozambique	10
4.760	63.03	Delhi	India	10
4.760	63.03	Lima	Peru	
4.760	63.03	Dzhambul	U.S.S.R.	15
4.760	63.03	Ulan Bator	Mongolian Rep.	
4.765	62.96	Djakarta	Indonesia	
4.765	62.96	Ocana	Colombia	1
4.765	62.96	Medan	Indonesia	
4.765	62.96	Bahia	Brazil	

MHz	Metres	Station	Country	kW
4.765	62.96	Brazzaville	Congo Rep. W.	
4.770	62.89	Pyongyang	Korea (N)	120
4.770	62.89	Dondo	Angola	0.5
4.770	62.89	Cajamarca	Peru	0.5
4.770	62.89	Monrovia	Liberia	10
4.770	62.89		Ecuador	
4.770	62.89	Bolivar	Venezuela	1
4.775	62.82	Fortaleza	Brazil	
4.775	62.82	Gauhati	India	10
4.775	62.82	Bogota	Colombia	
4.775	62.82	Kabul	Afganistan	100
4.775	62.82	Sao Paulo	Brazil	
4.775	62.82	Sibolga	Indonesia	1
4.777	62.80	Libreville	Gabon Rep.	100
4.780	62.76		U.S.S.R.	50
4.780	62.76	Bamako	Mali	18
4.780	62.76	Quito	Ecuador	
4.780	62.76	Peking	China Rep.	
4.780	62.76	Cuenza	Angola	5
4.780	62.76	Djibouti	Afars and Issas	4
4.780	62.76	Valencia	Venezuela	
4.780	62.76	Juticalpa	Honduras Rep.	0.5
4.782	62.74	S. Domingo	Dominican Rep.	
4.785	62.70	Baku	U.S.S.R.	50
4.785	62.70	Dar-es-Salaam	Tanzania	10
4.785	62.70	Sao Luiz	Brazil	
4.785	62.70	Kuming	China Rep.	
4.788	62.67	Turk Island	Brit. W. Indies	0.2
4.790	62.63	Penang	Malaysia	10
4.790	62.63	Puerto la Cruz	Venezuela	1
4.790	62.63	Tela	Honduras Rep.	
4.790	62.63	Guayaquil	Ecuador	
4.795	62.58	Brazzaville	Congo Rep. W.	4
4.795	62.58	Bandeira	Angola	10
4.795	62.58	Ulan Ude	U.S.S.R.	50
4.795	62.58	R. Neuva America	Bolivia	1
4.800	62.50	Yakutsk	U.S.S.R.	
4.800	62.50	Hyderabad	India	10
4.800	62.50	Maseru	Lesotho	
4.800	62.50	Barquisemeto	Venezuela	
4.800	62.50		Ecuador	
4.802	62.45	Brazzaville	Congo Rep. W.	
4.805	62.43	Nairobi	Kenya	5
4.805	62.43	Djakarta	Indonesia	100
4.805	62.43	Manaos	Brazil	
4.807	62.41	Sao Thome	St. Thomas Is.	10
4.807	62.41	St. Denis	Reunion	4
4.810	62.37		U.S.S.R.	
4.810	62.37	Maracaibo	Venezuela	2
4.815	62.31	Ougadougou	Upper Volta	4
4.815	62.31	Petropolis	Brazil	1

MHz	Metres	Station	Country	kW
4.815	62.31	Peking	China Rep.	
4.820	62.24	Bathurst	Gambia	3
4.820	62.24	Calcutta	India	10
4.820	62.24	Luanda	Angola	10
4.820	62.24	Pontianak	Indonesia	1
4.820	62.24	Apure	Venezuela	1
4.820	62.24	Magadan	U.S.S.R.	50
4.820	62.24	Tegucigalpa	Honduras Rep.	5
4.823	62.20	Hanoi	Viet Nam	
4.825	62.18	Achkhabad	U.S.S.R.	50
4.825	62.18	Moscow	U.S.S.R.	100
4.825	62.18	Paranahyba	Brazil	0.5
4.825	62.18	Pasto	Colombia	
4.825	62.18	Santo Domingo	Dominican Rep.	1
4.828	62.16	Gwelo	Rhodesia	10
4.830	62.10	El Angel	Ecuador	0.5
4.830	62.10	Bangkok	Thailand	10
4.830	62.10	San Cristobal	Venezuela	
4.832	62.08	Shenyang	China Rep.	
4.832	62.08	San Jose	Costa Rica	
4.835	62.05	Bamako	Mali	18
4.835	62.05	Sarawak	Malaysia	
4.835	62.05	Novo Redondo	Angola	0.25
4.835	62.05	Boa Vista	Brazil	
4.838	62.03	Peking	China Rep.	
4.840	61.98	Bakavu	Zaire Rep.	10
4.840	61.98	Bombay	India	10
4.840	61.98	Fukien Front Stn.	China Rep.	
4.840	61.98	Valera	Venezuela	1
4.845	61.92	Kuala Lumpur	Malaysia	50
4.845	61.92	Gaberones	Botswana	10
4.845	61.92	Bucaramanga	Colombia	1
4.845	61.92	Teresina	Brazil	1
4.845	61.92	La Paz	Bolivia	5
4.850	61.86	Nouakchott	Mauretania	
4.850	61.86	Nairobi	Kenya	20
4.850	61.86	Moscow	U.S.S.R.	
4.850	61.86	Carmona	Angola	1
4.855	61.79	Santa Cruz	Bolivia	1
4.855	61.79	Taubate	Brazil	1
4.855	61.79	Neiva	Colombia	1
4.855	61.79	Palembang	Indonesia	10
4.855	61.79	L. Marques	Mozambique	20
4.860	61.73	Delhi	India	10
4.860	61.73		Indonesia	
4.860	61.73	Chita	U.S.S.R.	
4.860	61.73	Moscow	U.S.S.R.	
4.860	61.73	Saurimo	Angola	5
4.860	61.73	Maracaibo	Venezuela	1
4.860	61.73	Peking	China Rep.	
4.865	61.66	Brunei	Malaysia	10

MHz	Metres	Station	Country	kW
4.865	61.66	Belem	Brazil	
4.865	61.66	Bahia	Ecuador	
4.865	61.66	Lanchow	China Rep.	
4.865	61.66	Ponta Delgada	Azores	1
4.870	61.60	Caracas	Venezuela	
4.870	61.60	Forest Side	Mauritius	10
4.870	61.60	Cotonou	Dahomey	30
4.870	61.60	Santa Cruz	Guatemala	2
		Colombo	Columbia	10
4.873	61.58	Sarong	Indonesia	10
4.875	61.55	Bloemfontein	South Africa	
		Rio de Janeiro	Brazil	
			Bolivia	
4.876	61.54	Karachi	Pakistan	
4.880	61.48	Barquisemeto	Venezuela	
		S. Domingo	Dominican Rep.	
		Kinshasa	Zaire Rep.	
		Saigon	Viet Nam	
		Peking	China Rep.	
			U.S.S.R.	
		Nairobi	Kenya	
4.885	61.41	Jakarta	Indonesia	
		Pocos de Caldas	Brazil	
		Moscow	U.S.S.R.	
4.890	61.35	Caracas	Venezuela	
		Dakar	Senegal	
		Port Moresby	Papua	
4.895	61.29	Bahia	Brazil	
		Tyumen	U.S.S.R.	
		Jakarta	Indonesia	
		Ahkhabad	U.S.S.R.	
		Hanoi	Viet Nam	
		Bujumbura	Burundi	
			Malaysia	
		Silva Porto	Angola	1
4.900	61.22	Barquisemeto	Venezuela	
		Enugu	Nigeria	
		Colombo	Columbia	
		Conakry	Guinea	
		Gorontalo	Indonesia	1
4.905	61.16	Peking	China Rep.	
		Fort Lamy	Chad	
		Rio de Janeiro	Brazil	
4.906	61.14	Barranquilla	Colombia	
4.907	61.13	Phnom Penh	Cambodia	
4.908	61.12	Bukittinggi	Indonesia	1
4.910	61.10	Conakry	Guinea	18
		Lusaka	Zambia	
		Quito	Ecuador	
		Trujillo	Peru	
		S. Domingo	Dominican Rep.	

MHz	Metres	Station	Country	kW
		Harbin	China Rep.	
4.915	61.04	Dacca	Bangla Desh	
		Accra	Ghana	
		Araquara	Brazil	
		Macapa	Brazil	
		Langata	Kenya	
4.916	61.03	Guatapuri	Columbia	1
4.920	60.98	Brisbane	Australia	
		Caracas	Venezuela	
		Jakarta	Indonesia	
		Madras	India	
		San Raimundo	Guatemala	
			Malaysia	
			U.S.S.R.	
4.923	60.96	Quito	Ecuador	
4.925	60.94	Bata	Guinea	
		Juiz de Fora	Brazil	
		L. Marques	Mozambique	
4.927	60.90	Djambi	Indonesia	7.5
4.930	60.85		U.S.S.R.	
		S. Cristobel	Venezuela	
		Santo Domingo	Domican Rep.	
4.932	60.84	Tanjang Pinang	Indonesia	10
		Behin	Nigeria	10
4.935	60.79	Natal	Brazil	
4.938	60.76	Sanaa	Yemen	25
4.940	60.73	Abidjan	Ivory Coast	25
		Pinang	Indonesia	
		Kiev	U.S.S.R.	50
		Yakutsk	U.S.S.R.	
		Karachi	Pakistan	
		Quito	Ecuador	10
		San Filipe	Venezuela	10
4.945	60.67	Bandung	Indonesia	2.5
		Bloemfontein	South Africa	
		Bragance	Brazil	
		Neiva	Colombia	2.5
		Nampula	Mozambique	10
4.948	60.64	Ulan Bator	Mongolian Rep.	
4.950	60.61	Kuala Lumpur	Malaysia	10
		Nairobi	Kenya	10
4.952	60.58	Silinhot	China Rep.	
4.955	60.54	Anadyr	U.S.S.R.	
		Bogota	Colombia	50
		Campos	Brazil	
		Banda Atjeh	Indonesia	10
4.957	60.49	Baku	U.S.S.R.	50
4.960	60.48	Sucre	Venezuela	
		Delhi	India	
		Peking	China Rep.	
4.963	60.47	S. Domingo	Dominican Rep.	

MHz	Metres	Station	Country	kW
4.965	60.45	Bogota	Colombia	
		Bloemfontein	South Africa	20
4.967	60.40	Kuwait	Kuwait	
4.968	60.38	Colombo	Colombia	10
4.970	60.36	Caracas	Venezuela	
		Kuala Lumpur	Malaysia	
		Quito	Ecuador	
		Bissau	Guinea (Port)	
4.972	60.35	Yaounde	Cameroon	30
4.975	60.30	Sao Luiz	Brazil	
		Dushambe	U.S.S.R.	50
		Blagoveshchensk	U.S.S.R.	50
		La Paz	Bolivia	
		Foochow	China Rep.	
		Karachi	Pakistan	
4.976	60.29	Kampala	Uganda	
		Malange	Angola	
4.979	60.25	Abu Dhabi	Persian Gulf	
4.980	60.24	San Cristobal	Venezuela	10
		Tema	Ghana	
		Cuenca	Ecuador	
		La Paz	Bolivia	20
4.985	60.18	Luanda	Angola	0.5
		Kajang	Malaysia	10
4.989	60.14	Abu Dhabi	Persian Gulf	10
		Kuwait	Kuwait	
4.990	60.12	Alma Ata	U.S.S.R.	50
		Barquisimeto	Venezuela	
		Peking	China Rep.	
		Lagos	Nigeria	20
4.994	60.07	Khartoum	Sudan	20
4.995	60.06	Goiania	Brazil	
		Magadan	U.S.S.R.	
4.997	60.04	Peking	China Rep.	
5.000	60.00	Rugby Std. Freq.	U.K.	
		Boulder Std. Freq.	U.S.A.	
		Geneva Std. Freq.	Switzerland	
		Honolulu Std. Freq.	Hawaii	
		J'burg Std. Freq.	South Africa	
		Moscow Std. Freq.	U.S.S.R.	
		Rome Std. Freq.	Italy	
		Torino Std. Freq.	Italy	
		Tokio Std. Freq.	Japan	
		Katmandu	Nepal	
		Bangkok	Thailand	
		Hanoi	Viet Nam	
5.005	59.95	Jaen	Peru	
5.010	59.88	Santo Domingo	Dominican Rep.	
		Bocono	Venezuela	1

MHz	Metres	Station	Country	kW
		Garoura	Cameroon	
		Iquitos	Peru	
		Nanning	China Rep.	
		Singapore	Malaysia	
5.015	59.82	Arkhangelsk	U.S.S.R.	
		Vladivostock	U.S.S.R.	
		Mocamedes	Angola	0.75
		Grenada	Brit. W. Indies	
5.016	59.81	Gwelo	Rhodesia	
5.020	59.76	Colombo	Ceylon	10
		Les Gonaives	Haiti	
		Niamey	Niger	4
		Caracas	Venezuela	
		Peking	China Rep.	
5.025	59.70	Sa da Bandeira	Angola	1
			Brazil	
5.026	59.69	Kampala	Uganda	7.5
5.030	59.65	Kuching	Malaysia	
		Caracas	Venezuela	
		Medan	Indonesia	20
		La Romana	Dominican Rep.	1
		Urumchi	China Rep.	
5.033	59.61	Alma Ata	U.S.S.R.	50
5.035	59.57	Bangui	Cent. African Rep.	100
		Goiania	Brazil	
		Cabinda	Angola	
		Ilo	Peru	
5.040	59.59	Port de Paix	Haiti	
		Rangoon	Burma	50
		Tbilisi	U.S.S.R.	50
		Maturin	Venezuela	
		Peking	China Rep.	
5.042	59.50	Benguela	Angola	
		Bissau	Guinea (Port.)	
5.045	59.46	La Paz	Bolivia	
		Rarotonga	Cook Is.	1
		Rio de Janeiro	Brazil	
5.046	59.45	Jogjakarta	Indonesia	20
5.047	59.44	Lome	Togo	100
5.050	59.41	Iquitos	Peru	
		Dar-es-Salaam	Tanzania	20
		Caracas	Venezuela	10
		Peking	China Rep.	
5.052	59.39	Singapore	Malaysia	10
5.055	59.35	Kzyl Orda	U.S.S.R.	
		Kenairi	Indonesia	
		Ulan Bator	Mongolian Rep.	
		Cuiba	Brazil	
5.057	59.32	Urumchi	China Rep.	
5.059	59.30	Aden	Yemen	7.5
5.060	59.29	Nova Lisboa	Angola	1

MHz	Metres	Station	Country	kW
		Quito	Ecuador	
		Caracas	Venezuela	
		Tirane	Albania	
5.065	59.25	Petrozavodsk	U.S.S.R.	
5.075	59.10	Sutatenza	Colombia	
		Peking	China Rep.	
5.076	59.10	Colombo	Ceylon	10
5.085	59.00	Medan	Indonesia	
5.095	58.91	Sutatenza	Colombia	
5.110	58.71	V. of People		
		Burma		
5.125	58.54	Peking	China Rep.	
		R.F.E.		
5.135	58.48	Peking	China Rep.	
5.140	58.40	Peking	China Rep.	
5.145	58.30	Peking	China Rep.	
		Ulan Bator	Mongolian Rep.	
			U.S.S.R.	
5.155	58.15	Peking	China Rep.	
			U.S.S.R.	
5.162	58.08	Peking	China Rep.	
5.170	58.03	Fukien Front Stn.	China Rep.	
			U.S.S.R.	
5.180	58.00	Kajang	Malaysia	
5.195	57.90	Julich	Germany (W)	
5.220	57.50	Peking	China Rep.	
5.240	57.30	Fukien Front Stn.	China Rep.	
5.250	57.25	Peking	China Rep.	
		Singapore	Malaysia	
5.255	57.20		U.S.S.R.	
5.260	57.03	Alma Ata	U.S.S.R.	
5.272	57.00	Urumchi	China Rep.	
5.290	56.71	Krasnoyarsk	U.S.S.R.	
5.295	56.68	Peking	China Rep.	
5.320	56.39	Peking	China Rep.	
5.345	56.15	V. Free Yemeni	S.	
5.350	56.00			
5.390	55.70	Riyadh	Saudi Arabia	
5.430	55.15	Peking	China Rep.	
5.434	55.13	Tangier	Morocco	
5.435	55.12		Germany (W)	
5.436	55.11	Tangier	Morocco	
5.440	55.09	Urumchi	China Rep.	
5.455	55.00		U.S.S.R.	
5.505	54.34	Peking	China Rep.	
5.525	54.22	Peking	China Rep.	
5.545	54.10	Peking	China Rep.	
			Korea (N)	
5.575	53.90	Peking	China Rep.	
5.605	53.50	Peking	China Rep.	
5.710	52.50		U.S.S.R.	

MHz	Metres	Station	Country	kW
5.755	52.20		U.S.S.R.	
5.790	51.88	R.F.E.		
5.793	51.85	Peking	China Rep.	
5.795	51.83		U.S.S.R.	
5.797	51.82	Peking	China Rep.	
5.800	51.80	Urumchi	China Rep.	
5.803	51.70	Peking	China Rep.	
5.805	51.68	Sanaa	Yemen	50
5.810	51.60	Peking	China Rep.	
5.825	51.50		U.S.S.R.	
5.830	51.45	Peking	China Rep.	
5.850	51.30	Peking	China Rep.	
		Pekan Baru	Indonesia	
			Mongolian Rep.	
5.855	51.24	Peking	China Rep.	
		Dacca	Bangla Desh	
5.860	51.16			
5.870	51.10	Pyongyang	Korea (S)	
5.875	51.09	Tegucigalpa	Honduras Rep.	1
5.880	51.08	Peking	China Rep.	
		Tangier	Morocco	
5.885	51.04	Dacca	Bangla Desh	
5.890	50.94		U.S.S.R.	
5.900	50.85	Fukien Front Stn.	China Rep.	
		Moscow	U.S.S.R.	
		Port au Prince	Haiti	
		Izmir	Turkey	5
5.905	50.74	Minsk	U.S.S.R.	
		Erivan	U.S.S.R.	50
		Moscow	U.S.S.R.	
5.910	50.75	Moscow	U.S.S.R.	50
5.915	50.72	Baku	U.S.S.R.	
		Erivan	U.S.S.R.	100
		Kiev	U.S.S.R.	
		Bizam Radio		
5.920	50.68		Bulgaria	50
		Minsk	U.S.S.R.	50
		Kiev	U.S.S.R.	
5.923	50.67	Urumchi	China Rep.	
5.925	50.65	Tashkent	U.S.S.R.	50
		Hanoi	Viet Nam	
5.927	50.62	Urumchi	China Rep.	
5.930	50.30		U.S.S.R.	15
		Nanning	China Rep.	
		Prague	Czechoslovakia	100
5.935	50.55	Lhasa	Tibet	
		Peking	China Rep.	
			U.S.S.R.	
5.940	50.51	Magadan	U.S.S.R.	50
		Moscow	U.S.S.R.	
		Phnom Penh	Cambodia	50

MHz	Metres	Station	Country	kW	M	J	S	D
5.942	50.49	Todelar	Colombia	10				
			U.S.S.R.					
5.945	50.46	Kashmir Radio	Jammu and Kashmir	10				
		Tirane	Albania	120				
5.948	50.43	Ulan Bator	Mongolian Rep.					
5.950	50.42	Peking	China Rep.					
		Port au Prince	Haiti	7.5				
			U.S.S.R.					
		Tirane	Albania					
		Harbin	China Rep.					
5.955	50.38	Dixon	U.S.A.	250	X	X	X	X
		Bangkok	Thailand	0.5	X	X	X	X
		Bluefields	Nicaragua	0.5	X	X		
		Lumbumbashi	Zaire Rep.	10	X	X	X	X
		Munich	Germany (W)	100		X		X
		R. Liberty		20	X	X	X	X
		Llallagua	Bolivia	1/3	X	X	X	X
		Pakanbaru	Indonesia	10	X	X	X	X
		Paris	France	100	X	X	X	X
		Port Limon	Costa Rica	1	X	X	X	X
		Sackville	Canada	50	X			
		Sao Paulo	Brazil	7.5	X	X	X	X
		Suva	Fiji	10	X	X	X	X
		Serrai	Greece	1	X	X		
		Berlin	Germany (E)	100	X	X	X	X
		Tangier	Morocco	35	X		X	X
		Meyerton	South Africa	20/100	X	X	X	X
		Dacca	Bangla Desh	100				
		Guatemala	Guatemala	5	X	X	X	X
5.960	50.34	London	U.K.	250				X
		Kunming	China Rep.					
		Luanda	Angola	100	X	X	X	X
		Bogota	Colombia				X	X
		Godthaab	Greenland	1/10	X	X	X	X
		Jammu	Jammu and Kashmir	1	X	X	X	X
		Warsaw	Poland	10	X	X	X	X
		Monte Carlo	Monaco	100	X			
		S. Rosa de Copan	Honduras Rep.	1	X	X	X	X
		Sizoguichi	Mexico	0.3	X	X	X	X
		Taipei	China Rep.	1	X	X	X	X
		Ulan Bator	Mongolian Rep.	50	X	X	X	X
		Quito	Ecuador	100				X
			U.S.S.R.	50	X	X	X	X
		Hanoi	Viet Nam					
		Allouis	France	100				X
		Meyerton	South Africa					X
		Greenville	U.S.A.					X
		Bethany	U.S.A.					X
5.965	50.30	London	U.K.	250			X	X
		Quetta	Pakistan	10				X

MHz	Metres	Station	Country	kW	M	J	S	D
		Quito	Ecuador					
		Granada	Nicaragua	0.5	X	X		
		La Paz	Bolivia	10	X	X	X	X
		Porto Alegre	Brazil	7.5	X	X	X	X
		Sebele	Botswana	10				X
		San Pedro Sula	Honduras Rep.	1	X	X		
		Tangier	Morocco	35	X	X		X
		Kajang	Malaysia	100	X	X	X	
		Munich	Germany (W)	100	X	X	X	X
		Delano	U.S.A.	100	X		X	
			U.S.S.R.	50	X	X	X	X
		Monte Carlo	Monaco	100		X	X	X
		Wavre	Belgium	20		X	X	X
		Noblejas	Spain	350				X
5.970	50.25	Warsaw	Poland	10	X	X	X	X
		Bandjarmasin	Indonesia	10	X	X	X	X
		Bogota	Colombia				X	X
		Lima	Peru	10				X
		R.F.E.		10/50				
		Sackville	Canada	50	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		Taipei	China Rep.	1.5	X	X	X	X
		Gauhati	India	10	X	X	X	X
		Santiago	Chile					
5.975	50.21	London	U.K.	100/250	X	X	X	X
		Sackville	Canada					X
		Cochabamba	Bolivia	1	X	X	X	X
		Florianapolis	Brazil	10	X	X	X	X
		Matagalpa	Nicaragua	1	X	X		
		Peking	China Rep.					
		Villarica	Paraguay	3	X	X	X	X
		Kwung San	Korea (S)	10	X	X	X	X
		Budapest	Hungary	15	X	X		X
			U.S.S.R.	100	X			X
		Santiago	Chile					
		Gwelo	Rhodesia	100		X		
		Quetta	Pakistan	10		X		
5.980	50.17	Beirut	Lebanon	100	X	X	X	X
		Meyerton	South Africa	250		X	X	X
		Shepparton	Australia	50				X
		Georgetown	Guyana	0.5	X	X	X	X
		Godthaab	Greenland	1	X	X	X	X
		Tuaran	Malaysia	10	X	X		X
		Taipei	China Rep.	3.5	X	X	X	X
		Bucharest	Rumania	18	X			X
		Medellin	Colombia	10			X	X
			U.S.S.R.	240	X	X	X	X
		El Salvador	El Salvador					
		Lima	Peru	5				X
		Budapest	Hungary	15	X	X	X	X
		Quetta	Pakistan	10		X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
5.985	50.13	Dar-es-Salaam	Tanzania	100	X	X	X	X
		Buenos Aires	Argentine	1/20	X	X	X	X
			U.S.S.R.	100				X
		Dacca	Bangla Desh	7.5	X	X	X	X
		Scituate	U.S.A.	50	X		X	X
		Port au Prince	Haiti	7.5	X	X	X	
		R.F.E.		10/250	X	X	X	X
		Tunja	Colombia				X	
		Taipei	China Rep.	1.5				
		Rabaul	New Guinea	10	X	X	X	X
		Bucharest	Rumania				X	
		Shepparton	Australia	10			X	X
		Djakarta	Indonesia					
5.990	50.08	London	U.K.	100	X	X	X	X
		Bhopal	India	10	X	X	X	X
		Brasilia	Brazil	10	X	X	X	X
		Ejura	Ghana	10	X	X	X	X
			U.S.S.R.	50	X	X	X	X
		Menado	Indonesia	10	X	X	X	X
		Rome	Italy	60	X	X	X	X
		Sackville	Canada				X	X
		Horby	Sweden		X			
		S.Cristobal	Venezuela					
		Bucharest	Rumania					X
		Salonika	Greece					
5.995	50.04	Sfax	Tunisia	100		X		
		Bamako	Mali	50	X	X	X	X
		San Pedro Sula	Honduras Rep.	1	X	X		
		Greenville	U.S.A	250/500	X	X	X	X
		Managua	Nicaragua	0.3	X	X		
		Mbandaka	Zaire Rep.	10	X	X	X	X
		Panama City	Panama	1	X	X	X	X
		Vatican	Vatican City				X	X
		Ft de France	Mauretania	4	X	X	X	X
		Taipei	China Rep.	3.5	X	X	X	X
		Warsaw	Poland	10	X	X	X	X
		Ngumbe	Malawi	20/100		X	X	X
		Sucre	Bolivia	1	X	X	X	X
		Sines	Portugal	250	X	X	X	X
		Lyndhurst	Australia	10	X	X	X	X
		Pereira	Colombia	1			X	X
		Julich	Germany (W)					
6.000	50.00	Singapore	Singapore	10	X	X	X	X
		Bangkok	Thailand	1	X	X		X
		Belo Horizonte	Brazil	1	X	X	X	X
		Innsbruck	Austria	4	X	X	X	X
		Kabul	Afghanistan	50/100		X	X	X
		Wertachtal	Germany (W)	500				
		Montevideo	Uruguay	5	X	X	X	X
			U.S.S.R.	50	X		X	X
		Riyadh	Saudi Arabia	50				

MHz	Metres	Station	Country	kW	M	J	S	D
6.005	49.96	Ascension	Ascension		X	X	X	X
		Meyerton	South Africa	20	X		X	X
		Buea	Cameroon	4	X	X	X	X
		Colombo	Ceylon	10	X	X	X	X
		La Paz	Bolivia	10	X	X	X	X
		Marhubi	Zanzibar	3.5	X	X	X	X
		Montreal	Canada	0.5	X	X	X	X
		Munich	Germany (W)	100	X	X	X	X
		Port au Prince	Haiti	0.3	X	X	X	
		San Jose	Costa Rica	1	X	X	X	X
		Suva	Fiji	10	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		Tokyo	Japan	1	X	X	X	X
		Berlin	Germany (W)	20	X	X	X	X
6.010	49.92	London	U.K.	100			X	X
		Ascension	Ascension	250	X	X		
		Limassol	Cyprus	100	X	X	X	X
		Tebrau	Malaysia	7.5			X	X
		Brussels	Belgium	50	X	X	X	X
		Sydney	Canada	1	X	X	X	X
		Bangkok	Thailand	10	X	X		X
		Warsaw	Poland	10	X	X	X	X
		Mexico City	Mexico	5	X		X	X
		Montevideo	Uruguay	10	X	X	X	X
			U.S.S.R.				X	X
		Okinawa	Ryukyu Is.	15/35	X	X	X	X
		Greenville	U.S.A.	250				
		Pereira	Colombia	10			X	X
		Sines	Portugal	250			X	X
		Rome	Italy	100				X
		Berlin	Germany (E)	100		X		X
		Paris	France	100		X	X	X
		Managua	Nicaragua	0.1		X	X	X
6.015	49.88	Abidjan	Ivory Coast	100	X	X		
		Ascuncion	Paraguay	1	X	X	X	X
		Sines	Portugal	250				X
			U.S.S.R.					X
		La Paz/ Cochabamba	Bolivia	5	X	X	X	X
		Recife	Brazil	5	X	X	X	X
		Rhodes	Greece	50	X	X	X	X
		Tangier	Morocco	100	X		X	X
		Tumaco	Colombia					
		Tel Aviv	Israel					
6.020	49.83	Hilversum	Netherlands	10/100	X	X	X	X
			U.S.S.R.	50	X	X	X	X
		Simla	India	2.5	X	X	X	X
		Tegucigalpa	Honduras Rep.	0.5	X	X		
		Vera Cruz	Mexico	5	X		X	X
		Greenville	U.S.A.	250	X	X	X	X
		Bogota	Colombia	10			X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Bonaire	Neth. Antilles	300	X	X	X	X
		Tangier	Morocco	100	X		X	X
		Warsaw	Poland	40	X	X	X	
		Gwelo	Rhodesia	100		X		
		Talata Volon	Malagasy Rep.	300			X	X
		Lima	Peru	5				X
6.025	49.79	Ascuncion	Paraguay	10	X	X	X	X
		Kajang	Malaysia	50	X	X	X	
		S. Gabriel	Portugal	100	X	X	X	X
		Managua	Nicaragua	5	X	X		
		Praia	Cape Verde Is.	0.5	X	X	X	X
		S. Pedromacoris	Dominican Rep.	0.1	X	X	X	X
		Rome	Italy	100				X
		Sao Paulo	Brazil	7.5	X	X	X	X
		Tabriz	Iran					
		Enugu	Nigeria	10	X	X	X	X
		Budapest	Hungary	100	X	X	X	X
		Beira	Mozambique	10	X	X	X	X
		Port au Prince	Haiti					
6.030	49.75	Tebrau	Malaysia	100				
		Greenville	U.S.A.	50	X	X	X	X
		Tangier	Morocco	35				X
		Tokyo	Japan	20				
		Baghdad	Iraq	100		X	X	X
		Bogota	Colombia				X	X
		Kavalla	Greece	250				X
		Calgary	Canada	0.1	X	X	X	X
		Franceville	Gabon Rep.	4	X	X		
			U.S.S.R.	240	X	X	X	X
		Stuttgart	Germany (W)	20	X	X	X	X
			Philippines	2	X	X	X	X
		V. of People of Thailand						
6.035	49.71	Warsaw	Poland	30/100	X	X	X	X
		Delhi	India	20				
		Bombay	India	100	X	X	X	X
		La Paz	Bolivia	10	X	X	X	X
		Monrovia	Liberia	50	X	X	X	X
		Monte Carlo	Monaco	30	X	X	X	X
		Montevideo	Uruguay	1	X	X	X	X
		Rangoon	Burma					
			U.S.S.R.	50	X	X	X	X
		Rio de Janeiro	Brazil	10	X	X	X	X
		Tegucigalpa	Honduras Rep.	0.5	X	X		
		Enugu	Nigeria					
		San Jose	Costa Rica	1				
		Bangkok	Thailand					
		Bonaire	Neth. Antilles					X
6.040	49.67	London	U.K.	250	X	X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Wertachtal	Germany (W)	500				

MHz	Metres	Station	Country	kW	M	J	S	D
		Sawt as Sahil	Persian Gulf	10	X	X	X	X
		Delhi	India	20	X	X	X	X
		Ibaque	Colombia	10			X	X
		Managua	Nicaragua	0.5	X	X		
		Munich	Germany (W)	100		X		
		San Jose	Costa Rica	1	X	X	X	X
		Taipei	China Rep.	7.5	X	X	X	X
		Singapore	Singapore	10				
		Tangier	Morocco	100	X		X	X
		Sofia	Bulgaria	50				X
		Alotau	Papua	10	X			
			U.S.S.R.					
6.045	49.63	Athens	Greece	5	X	X	X	X
		Tangier	Morocco	35	X			
		Curityba	Brazil	7.5	X	X	X	X
		David	Panama	1	X	X	X	X
		Monrovia	Liberia	250	X	X	X	X
		Djakarta	Indonesia	100	X	X	X	X
		Montevideo	Uruguay	2.5	X	X	X	X
			U.S.S.R.	240	X	X	X	X
		S. Luis Potosi	Mexico	0.3			X	X
		Lima	Peru	10				X
		S. Louis	Senegal	4	X	X	X	X
		Bonaire	Neth. Antilles					
6.050	49.59	London	U.K.	100/250	X	X	X	X
		Limassol	Cyprus	100	X	X	X	X
		Ibadan	Nigeria	10	X	X	X	X
		Delhi	India	20	X	X	X	X
			U.S.S.R.	50	X	X	X	X
		L. Marques	Mozambique	25	X	X	X	X
		Quito	Ecuador	100	X	X	X	X
		Rome	Italy	100	X			X
		Tegucigalpa	Honduras Rep.	0.5	X	X		
		Monte Carlo	Monaco					
6.055	49.55	Port au Prince	Haiti	0.2	X	X	X	
		Cali	Colombia	5			X	X
		Greenville	U.S.A.	50	X	X	X	X
		Kigali	Rwanda	50	X	X	X	X
		Sulaibiyah	Kuwait	250	X	X	X	X
		Darwin	Australia	250	X	X	X	X
		Melo	Uruguay	5	X	X	X	X
			U.S.S.R.	50	X		X	X
		Oruro	Bolivia	1	X	X	X	X
		Port Cabezas	Nicaragua	0.5	X	X		
		Prague	Czechoslovakia	100/200	X	X	X	X
		Sao Paulo	Brazil	7.5	X	X	X	X
		Tokyo	Japan	50	X	X	X	X
		Budapest	Hungary	15				X
6.060	49.50	London	U.K.					X
		Bangkok	Thailand	2	X	X	X	
		Buenos Aires	Argentine	50	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Caltanissetta	Italy	25	X	X	X	X
		Rome	Italy	50				X
			U.S.S.R.		X		X	X
		Havana	Cuba	10/50	X	X	X	X
		Lusaka	Zambia	20	X	X	X	X
		Santiago	Dominican Rep.	0.5	X	X	X	X
		Tegucigalpa	Honduras Rep.	1	X	X		
		Sackville	Canada				X	
		Bucharest	Rumania		X			
		Sofia	Bulgaria	50		X	X	X
		Djakarta	Indonesia					
		Rhodes	Greece	35/250			X	
		Tangier	Morocco	35				X
6.065	49.46	London	U.K.	250	X		X	X
		Brasilia	Brazil	7.5	X	X	X	X
		Greenville	U.S.A.	500	X	X	X	X
		Horby	Sweden	100	X	X	X	X
			U.S.S.R.	120	X	X	X	X
		Leon	Mexico		X		X	X
		Addis Ababa	Ethiopia	100	X	X	X	X
		Managua	Nicaragua	0.6	X	X		
		Kavalla	Greece	250				X
		Kohima	India	2	X	X	X	X
		Tangier	Morocco	35	X	X		X
		Medellin	Colombia	10				X
		National Voice of Iran						
6.070	49.42	London	U.K.	100				X
		Limassol	Cyprus	100		X		X
		Tema	Ghana	100	X	X	X	X
		Bangkok	Thailand	10	X	X		X
		Karachi	Pakistan	10	X	X	X	X
		Sofia	Bulgaria	50/100	X	X	X	X
		Djajapura	Indonesia	0.5	X	X	X	X
		Toronto	Canada	1	X	X	X	X
		La Paz	Bolivia	5	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		San Sebastian	Venezuela					
		Beira	Mozambique	100	X	X	X	X
6.075	49.38	Meyerton	South Africa	20/100	X	X	X	X
		Rhodes	Greece		X			
		Athinai R.F.E.	Greece	5				
		Scituate	U.S.A.	100				X
			Philippines	100/250				X
		Colombo	Ceylon	10	X	X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Wertachtal	Germany (W)	500				
		Rome	Italy		X		X	X
		Montevideo	Uruguay	2.5	X	X	X	X
		Okinawa	Ryukyu Is.	35	X		X	

MHz	Metres	Station	Country	kW	M	J	S	D
		Port Cabezas	Nicaragua	0.5	X	X	X	X
		San Jose	Costa Rica	1	X	X	X	X
		S. Barbara	Honduras Rep.	1	X	X		
		Santiago	Dominican Rep.	0.3	X	X	X	X
		Bogota	Colombia	50				X
			U.S.S.R.	50	X	X		X
6.080	49.34	London	U.K.	250	X	X	X	X
		Tebrau	Malaysia	7.5/250	X	X	X	X
		Algiers	Algeria	50	X	X		X
		Berlin	Germany (E)	50/100	X	X	X	X
			U.S.S.R.	50	X	X	X	X
		Porto Alto	Portugal	0.5	X	X	X	X
		Tokyo	Japan	50	X	X	X	X
		Vancouver	Canada	0.1	X	X	X	X
		Wellington	New Zealand	7.5		X		
		Lima	Peru	15				X
		Munich	Germany (W)	100		X		
		Daru	Papua	10	X			
		Meyerton	South Africa	250		X	X	X
		Noblejas	Spain	350		X	X	X
		St. Marc	Haiti					
6.085	49.30	Kisangani	Zaire Rep.	10	X	X	X	X
		Hilversum	Netherlands	100	X	X	X	X
		Leon	Nicaragua	0.5	X	X		
		Madras	India	100	X	X	X	X
		Munich	Germany (W)	10	X	X	X	X
		Recife	Brazil	10	X	X	X	X
		Tegucigalpa	Honduras Rep.	1	X	X		
			U.S.S.R.	50	X	X	X	X
		Warsaw	Poland	40				X
		Kajang	Malaysia					
		Kavalla	Greece	250				X
6.090	49.26	London	U.K.	250				X
		Buenos Aires	Argentine	40	X	X	X	X
		Mante	Mexico	1	X		X	X
			U.S.S.R.	50/100	X	X	X	X
		Junglinster	Luxembourg	50	X	X	X	X
		Phnom Penh	Cambodia	50				
		Santo Domingo	Dominican Rep.	7.5	X	X	X	X
		Kaduna/Jaji	Nigeria	10	X	X	X	X
		Sydney	Australia	2	X	X	X	X
		Taipei	China Nat.	3	X	X	X	X
		Beira	Mozambique	25	X	X	X	X
		Munich	Germany (W)	100				
		Noblejas	Spain	350				X
6.095	49.22	Munich	Germany (W)	100	X		X	X
		Warsaw	Poland	30	X	X	X	X
		Baghdad	Iraq	100		X	X	X
		Sao Paulo	Brazil	25	X	X	X	X
		Mogadiscio	Somalia	50	X	X	X	X
		Tegucigalpa	Honduras Rep.	1	X	X		

MHz	Metres	Station	Country	kW	M	J	S	D
		Espinal	Colombia	10			X	X
		Tangier	Morocco	35/100		X		X
		Lima	Peru	15				
		Kavalla	Greece	250				
6.100	49.18	Beograd	Yugoslavia	100	X	X	X	X
		Warsaw	Poland	100				X
		Cayes	Haiti	0.3	X	X	X	
		Julich	Germany (W)	100	X	X	X	X
		Kajang	Malaysia	100	X	X	X	
		Ocotal	Nicaragua	0.5	X	X		
			U.S.S.R.	50	X	X	X	X
		Gunsan	Korea (S)	0.3	X	X	X	X
		Berlin	Germany (E)	100				X
		Darwin	Australia	250	X	X	X	X
		Calabar	Nigeria					X
6.105	49.14	Bangkok	Thailand					
		Djakarta	Indonesia	100	X	X	X	X
		Fortaleza	Brazil	5	X	X	X	X
		Medellin	Colombia	1			X	X
		Merida	Mexico	1	X		X	X
		R.F.E.		10	X	X	X	X
			U.S.S.R.	100				X
		Taipei	China Nat.	3.5	X	X	X	X
		Ulan Bator	Mongolian Rep.	50	X		X	X
		Warsaw	Poland	100	X	X	X	X
		Dar-es-Salaam	Tanzania	50	X	X	X	X
		Berlin	Germany (E)	100		X		
			Malaysia					
6.110	49.10	London	U.K.	250	X	X	X	X
		Delano	U.S.A.	250				X
		Dixon	U.S.A.					
		Ascuncion	Paraguay	1	X	X	X	X
			U.S.S.R.	50	X	X	X	X
		Tegucigalpa	Honduras Rep.	0.5	X	X		
		Santo Domingo	Dominican Rep.	1	X	X	X	X
		Bonaire	Neth. Antilles	50	X	X	X	X
		Budapest	Hungary	15	X	X	X	X
		Noblejas	Spain	350		X	X	X
6.115	49.06	Berlin	Germany (E)	5	X	X	X	X
		Dalat	Viet Nam	5	X	X	X	X
		Hermosillo	Mexico	1	X		X	X
			U.S.S.R.	50	X	X	X	X
		L. Marques	Mozambique	10	X	X	X	X
		Montevideo	Uruguay	5	X	X	X	X
		R.F.E.		50	X	X	X	X
		Rio de Janeiro	Brazil	100	X	X	X	X
		Brazzaville	Congo Rep. W.	50	X	X	X	X
		Lima	Peru	10				X
		Villavicencio	Colombia	1			X	
		La Paz	Bolivia	1				X
		Monte Carlo	Monaco	100				

MHz	Metres	Station	Country	kW	M	J	S	D
6.120	49.02	Delhi	India	10/100		X	X	X
		Berne	Switzerland	150	X	X	X	X
		Buenos Aires	Argentine	10	X	X	X	X
		Cap Haitien	Haiti	1	X	X	X	
		Julich	Germany (W)	100	X	X	X	X
		Limassol	Cyprus	7.5	X	X	X	X
			Philippines	50	X	X	X	X
		Bluefields	Nicaragua	1	X	X	X	X
		Pori	Finland	15	X	X	X	X
		Tapachula	Mexico	0.5	X		X	X
			U.S.S.R.	100	X		X	X
		Santiago	Dominican Rep.	0.5	X	X	X	X
		Sines	Portugal					
6.125	48.98	London	U.K.	100/250	X	X	X	X
		Brussels	Belgium	100			X	X
		Greenville	U.S.A.	500	X	X	X	X
		Delano	U.S.A.	250				X
		Dixon	U.S.A.		X		X	
		La Paz	Bolivia	1	X	X	X	X
		Luluabourg	Zaire Rep.	10	X	X	X	X
		Montevideo	Uruguay	10	X	X	X	X
		San Pedro Sula	Honduras Rep.		X	X		
		Sao Paulo	Brazil	10	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		Bogota	Colombia	1			X	X
			China Rep.					
		Berlin	Germany (E)	500				
6.130	48.94	Limassol	Cyprus	100				X
		Quito	Ecuador	100		X	X	
		Colombo	Ceylon	10	X	X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Wertachtal	Germany (W)	500				X
		Halifax	Canada	5	X	X	X	X
			U.S.S.R.	50	X	X	X	X
		Leon	Nicaragua	1	X	X		
		Santo Domingo	Dominican Rep.	0.3	X	X	X	X
		Tema	Ghana	100	X	X	X	X
		Tokyo	Japan	1	X	X	X	X
		Vientiane	Laos	10	X			
		Madrid	Spain	100	X	X	X	X
		Fredrikstad	Norway	100	X	X	X	X
			Philippines	250				X
6.135	48.90		U.S.S.R.	50	X	X	X	X
		Vatican	Vatican City	100				X
		R.F.E.		10	X	X	X	X
		Warsaw	Poland	40/100	X	X	X	X
		La Ceiba	Honduras Rep.	0.5	X	X		
		Papeete	Tahiti	4/20	X	X	X	X
		Porto Alegre	Brazil	7.5	X	X	X	X
		Suwon	Korea (S)	10	X	X	X	X
		Bethany	U.S.A.	250				X

MHz	Metres	Station	Country	kW	M	J	S	D
		Samarinda	Indonesia	7.5	X	X	X	X
		Santa Cruz	Bolivia	1	X	X	X	X
		Quito	Ecuador	100	X	X		X
		Tirane	Albania					
6.140	48.86	London	U.K.	100	X	X	X	X
		Chihuahua	Mexico	0.3	X		X	X
			U.S.S.R.	50	X	X	X	X
		Prague	Czechoslovakia	100	X	X	X	X
		Madrid	Spain	100	X	X	X	X
		Managua	Nicaragua	0.5	X	X		
		Montevideo	Uruguay	10	X	X	X	X
		Perth	Australia	10	X	X	X	X
		Tokyo	Japan	20	X	X	X	X
		Bujumbara	Burundi	10/25	X	X	X	X
		Tarija	Bolivia	1	X	X	X	X
		Wewak	New Guinea	10	X	X	X	X
		Cali	Colombia				X	X
		Kavalla	Greece	250				X
		Hilversum	Netherlands	100	X	X	X	X
		Maduguri	Nigeria	10	X	X	X	X
		Beira	Mozambique	10	X	X	X	X
6.145	48.82	Delhi	India	20	X	X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Munich	Germany (W)	100				X
		Jutigalpa	Honduras Rep.	0.5	X	X		
			U.S.S.R.	50/100		X	X	X
		Popayan	Colombia	1		X		
		Rio de Janeiro	Brazil	10	X	X	X	X
		Tlaxiaco	Mexico	0.3	X		X	X
		Delano	U.S.A.		X			
		Dixon	U.S.A.	250			X	X
		Paris	France	100	X	X	X	X
		Calabar	Nigeria	10	X	X	X	X
		Rhodes	Greece	30/50				X
		Alger	Algeria	50		X		X
6.150	48.78	London	U.K.	250	X	X	X	X
		Limassol	Cyprus	100	X		X	X
		Beograd	Yugoslavia	50	X	X	X	X
		Benguela	Angola	1	X	X	X	X
		Bucharest	Rumania	120	X		X	X
		Munich	Germany (W)	100	X	X	X	X
		Peshawar	Pakistan	10	X	X	X	
		Lyndhurst	Australia	10	X	X	X	X
		Managua	Nicaragua	1	X	X		
		San Jose	Costa Rica	1	X	X	X	X
		Omdurman	Sudan	50	X	X	X	X
		Kavalla	Greece	250				
		Popayan	Colombia	1				X
			U.S.S.R.	100			X	
6.155	48.74	Baghdad	Iraq	100		X	X	X
		La Paz	Bolivia	1	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Lisbon	Portugal	0.6	X	X	X	X
			U.S.S.R.	50	X	X		X
		Montevideo	Uruguay	10	X	X	X	X
		Singapore	Singapore	50	X	X	X	X
		Tokyo	Japan		X	X	X	X
		Wien	Austria	100	X	X	X	X
		Wertachtal	Germany (W)	500				X
		Togblekope/Lome	Togo	4	X	X	X	X
		C. Haitien	Haiti	0.2	X	X	X	
		Warsaw	Poland	100	X	X	X	X
		Mbabane	Swaziland	10				X
6.160	48.70	London	U.K.	250			X	X
		Delhi	India	20	X	X	X	X
		Sofia	Bulgaria	120		X	X	X
		Bogota	Colombia	10			X	X
		Algiers	Algeria	50	X	X		
		Salonika	Greece	35				X
		Kavalla	Greece	250				
		St. Johns	Canada	0.3	X	X	X	X
		Vancouver	Canada	0.5	X	X	X	X
		Wertachtal	Germany (W)	500				X
		Malargue	Argentine	0.3/3	X	X	X	X
		Darwin	Australia	250				
6.165	48.66	Beromunster	Switzerland	250	X	X	X	X
		Damascus	Syria	50	X			
			U.S.S.R.	100	X	X	X	X
		Lusaka	Zambia	20	X	X	X	X
		Mexico City	Mexico	10	X		X	X
		Saigon	Viet Nam	20	X	X	X	X
		Tegucigalpa	Honduras Rep.	0.5	X	X		
		Sao Paulo	Brazil	7.5	X	X	X	X
		Budapest	Hungary	100	X	X	X	X
		Berlin	Germany (E)	50				X
		Kajang	Malaysia					
		Swazi Radio	Swaziland					
6.170	48.62	R. Liberty		50				X
		Padang	Indonesia	10	X	X	X	
		Caracas	Venezuela					
		Cayenne	Fr. Guiana	4	X	X	X	X
		R.F.E.		10	X		X	X
		Santa Cruz	Bolivia	3	X	X		X
		Karachi	Pakistan	10	X	X	X	
		Lucknow	India	10	X	X	X	X
		Delhi	India	100		X	X	X
			Philippines	7.5/50	X	X	X	
		Montevideo	Uruguay	1	X	X	X	X
		S. Jose	Nicaragua	0.5	X	X		
		Tangier	Morocco	100	X	X	X	X
		Ulan Bator	Mongolian Rep.	25	X		X	X
		Brussels	Belgium		X			
		Budapest	Hungary	15/100	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Greenville	U.S.A.		X	X	X	X
		Kajang	Malaysia					
		Jerusalem	Israel	150		X		X
6.175	48.58	Belo Horizonte	Brazil	10	X	X	X	X
		Kajang	Malaysia	100	X	X	X	
			U.S.S.R.	120	X			X
		Paris	France	100	X	X	X	X
		Hiroshima	Japan	1/5	X	X	X	X
		Luanda	Angola	100	X	X	X	X
		Santa Cruz	Bolivia	5	X	X	X	X
		Budapest	Hungary	15/100	X	X	X	X
		Kaduna	Nigeria	20	X	X	X	X
		Peking	China Rep.					
		Noblejas	Spain	350		X	X	X
		Wertachtal	Germany (W)	500				X
		Talata Volon	Malagasy Rep.	600				X
		Horby	Sweden	100			X	X
6.180	48.54	London	U.K.	250	X		X	X
		Dakar	Senegal	4	X	X	X	X
		Guatemala	Guatemala	10	X	X	X	X
		L. Marques	Mozambique	10	X	X	X	X
		Mendoza	Argentine	10	X	X	X	X
			U.S.S.R.	10/50	X	X	X	X
		Monrovia	Liberia	50	X	X	X	X
		Bogota	Colombia	25			X	X
		Jerusalem	Israel	120				X
		Urumchi	China Rep.					
6.185	48.50	London	U.K.	100/250		X	X	X
		Addis Ababa	Ethiopia	100	X	X	X	X
		Colombo	Ceylon	10	X	X	X	X
		Julich	Germany (W)	100	X		X	X
		La Paz	Bolivia	1	X	X	X	X
		Tripoli	Libya	100	X	X	X	X
		Tirane	Albania					
		Manokwari	Indonesia	1/10	X	X	X	X
		Mexico City	Mexico	1	X		X	X
		San Pedro Sula	Honduras Rep.	0.5	X	X		
		Sao Paulo	Brazil	10	X	X	X	X
		Delano	U.S.A.	200	X		X	X
			U.S.S.R.	50	X	X	X	X
			Philippines	35/250	X	X	X	X
		Lisbon	Portugal	10		X	X	X
			China Rep.					
6.190	48.47	Vatican	Vatican City	80/100	X	X	X	X
		Bremen	Germany (W)	5	X	X	X	X
		Bucharest	Rumania	120	X	X	X	X
		Greenville	U.S.A.	250	X	X	X	X
		Delhi	India	10	X	X	X	X
		Leon	Nicaragua	0.5	X	X		
		Tirane	Albania					
			U.S.S.R.	50	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Puerta Plata	Dominican Rep.	0.1	X	X	X	X
		Rabat	Morocco	50	X	X	X	X
		Tokyo	Japan	0.5/5	X	X	X	X
		Baghdad	Iraq	100				
		Padang	Indonesia	10				X
		Flores Peten	Guatemala	1			X	X
		Santiago	Chile					
6.195	48.43	London	U.K.	250	X	X	X	X
		Tebrau	Malaysia	100				X
			U.S.S.R.	50	X	X	X	X
		Cali	Colombia	1			X	X
		La Ceiba	Honduras Rep.	0.5	X	X		
		Port au Prince	Haiti	0.5	X	X	X	
		Rio de Janeiro	Brazil	7.5	X	X	X	X
		Tunis	Tunisia	50				
		La Paz	Bolivia	5	X	X	X	X
		Warsaw	Poland	40	X	X	X	X
		Meyerton	South Africa	20/100	X		X	X
		Tirane	Albania					
		Madriz/Somoto	Nicaragua	0.4		X	X	X
6.200	48.39	Tirane	Albania	240				
		Moscow	U.S.S.R.					
		Palembang	Indonesia					
		Djakarta	Indonesia					
		Bangkok	Thailand					
		R. Pathet Laos						
6.202	48.36	Huamanga	Peru					
6.205	48.35	Tirane	Albania	240				
		R.N.I.		100				
6.210	48.31	Peking	China Rep.					
		Tirane	Albania					
6.220	48.23		France					
6.225	48.19	Peking	China Rep.					
6.230	48.16	Cairo	Egypt	50				
6.233	48.14	Karachi	Pakistan					
6.250	48.00	Cuzcu	Peru	0.1				
		Peking	China Rep.					
		Pyongyang	Korea (N)	50				
		Santa Isobel	Guinea	3				
6.255	47.97	Vienna	Austria	10				
		Galapagos Isles	Ecuador	1				
		Peking	China Rep.					
6.257	47.96	Istanbul University	Turkey					
6.260	47.92	Sining	China Rep.					
		Pyongyang	Korea (N)	50				
6.270	47.85	Peking	China Rep.					
		Karachi	Pakistan					
6.273	47.83	R. Patriotic Laos						
6.280	47.77	Urumchi	China Rep.					
		Peking	China Rep.					

MHz	Metres	Station	Country	kW
6.285	47.74	Peking	China Rep.	
			U.S.S.R.	
6.290	47.69	Pyongyang	Korea (N)	
		Peking	China Rep.	
6.295	47.65	Peking	China Rep.	
6.300	47.62	Peking	China Rep.	
6.310	47.54	Kajang	Malaysia	
6.315	47.48	Peking	China Rep.	
		Bangkok	Thailand	2
6.320	47.47	Peking	China Rep.	
6.332	47.37	A.Forces Station	Israel	1
6.340	47.30		Turkey	
			China Rep.	
6.345	47.28	Peking	China Rep.	
6.350	47.26	R.Free Russia		
6.370	47.12	Peking	China Rep.	
6.375	47.10	Taybac	Viet Nam	
6.385	46.99	Ulan Bator	Mongolian Rep.	50
6.400	46.88	Peking	China Rep.	
		Fukien Front Stn.	China Rep.	
		Pyongyang	Korea (N)	
6.405	46.84	Peking	China Rep.	
		Bangkok	Thailand	0.25
6.410	46.80	Peking	China Rep.	
6.425	46.72	R. Freies Tirol		
6.430	46.70	Ankara Police	Turkey	1
		Peking	China Rep.	
6.450	46.48	Pyongyang	Korea (N)	
6.480	46.32	Peking	China Rep.	
		Pyongyang	Korea (N)	50
6.495	46.19	Peking	China Rep.	
6.500	46.15	Sining	China Rep.	
6.520	45.88	Peking	China Rep.	
6.530	45.83	Peking	China Rep	
6.540	45.90	Peking	China Rep.	
		Pyongyang	Korea (N)	50
6.550	45.97	Gorgan	Iran	
		Peking	China Rep.	
6.555	45.80	Peking	China Rep.	
6.560	45.75	Peking	China Rep.	
			U.S.S.R.	
		Tirane	Albania	
6.570	45.68	Peking	China Rep.	
6.572	45.65	Gonzanama	Ecuador	
6.575	45.66	Kukes	Albania	0.2
6.590	45.52	Peking	China Rep	
6.600	45.45	Pyongyang	Korea (N)	
			China Rep.	
6.604	45.43	Saban	Indonesia	
6.610	45.39	Peking	China Rep.	

MHz	Metres	Station	Country	kW
6.620	45.30	Hangkow	China Rep.	
6.645	45.20	Peking	China Rep.	
6.650	45.10	Peking	China Rep.	
6.655	45.00	Peking	China Rep.	
6.660	44.98	Peking	China Rep.	
6.710	44.55	Peking	China Rep.	
6.715	44.60	Viet Bac	Viet Nam	
6.730	44.55	Hanoi	Viet Nam	
6.750	44.45	Peking	China Rep.	
6.765	44.30	Fukien Front Stn.	China Rep.	
6.770	44.25		U.S.S.R.	
6.780	44.20	Peking	China Rep.	
6.790	44.18	Peking	China Rep.	
		Alma Ata	U.S.S.R.	
6.808	44.11		U.S.S.R.	
6.810	44.10	Peking	China Rep.	
6.818	43.99	Samanda	Iran	0.4
6.820	43.98	Peking	China Rep.	
6.825	43.96	Peking	China Rep.	
			U.S.S.R.	
6.840	43.87	Huhetot	Mongolian Rep.	
6.850	43.80	Opole	Poland	0.35
		Peking	China Rep.	
6.860	43.73	Peking	China Rep.	
6.873	43.70	Greenville	U.S.A	
6.885	43.57	Peking	China Rep.	
6.890	43.50	Peking	China Rep.	
			U.S.S.R.	
6.895	43.45	Peking	China Rep.	
6.900	43.40	Ankara (Met. Stn.)	Turkey	
6.905	43.30	Rezaiyeh	Iran	0.4
6.915	43.30	V. of Iraqi		
6.925	43.29	Bursa	Turkey	
6.930	43.29	Peking	China Rep.	
			U.S.S.R.	
6.935	43.26	Kumning	China Rep.	
6.940	43.25	Rezaiyeh	Iran	0.5
6.941	43.25	Tangier	Morocco	
6.955	43.20	Peking	China Rep.	
6.965	43.12		China Rep.	
6.974	43.01	Peking	China Rep.	
6.975	43.00	Huhetot	Mongolian Rep.	
		Julich	Germany (W)	
6.980	42.98	Peking	China Rep.	
6.995	42.89	Peking	China Rep.	
7.000	42.85	Peking	China Rep.	
7.005	42.83	Peking	China Rep.	
			Turkey	
7.010	42.79	Peking	China Rep.	
		Hanoi	Viet Nam	

MHz	Metres	Station	Country	kW	M	J	S	D
7.012	42.79	V. of N.U.F.K.						
7.015	42.78	Peking	China Rep.					
7.024	42.76	V. of N.U.F.K.						
7.025	42.75	Fukien Front Stn.	China Rep.					
		V. of the Storm						
		Peking	China Rep.					
		Hanoi	Viet Nam					
7.030	42.70	Peking	China Rep.					
		Karachi	Pakistan					
7.035	42.62	Peking	China Rep.					
		Hanoi	Viet Nam					
7.037	42.61	Teheran	Iran					
7.040	42.60	Peking	China Rep.					
		Perchtoldsdorf	Austria	0.5				
7.050	42.55	Cairo	Egypt	100				
7.052	42.54	Urumchi	China Rep.					
7.055	42.52	Peking	China Rep.					
		Tirane	Albania					
7.060	42.49	Tirane	Albania					
		Peking	China Rep.					
7.065	42.46	Teheran	Iran					
		Tirane	Albania	240				
7.070	42.43	Hanoi	Viet Nam					
		Tirane	Albania	240				
7.075	42.40	Cairo	Egypt	100				
		Tirane	Albania	120				
7.080	42.37	Peking	China Rep.	120				
		Hanoi	Viet Nam					
		Tirane	Albania	120				
		V. of Iranian Nation		50				
7.085	42.35	Tirane	Albania	50/500				
7.088	42.34	Jannina	Greece	1				
7.090	42.33	Tirane	Albania					
		Rawalpindi	Pakistan					
		Singapore	Singapore					
7.093	42.30	V. of Iranian Liberation						
7.095	42.28	Peking	China Rep.					
		Karachi	Pakistan					
		Tokyo	Japan					
		Dacca	Bangla Desh					
7.100	42.25	Budapest	Hungary	100				
			U.S.S.R.					
		Bangkok	Thailand					
		Djakarta	Indonesia	20				
		Katmandu	Nepal	5				
		Karachi	Pakistan	10				
		Tirane	Albania	120				
7.105	42.26	London	U.K.	100	X	X	X	X
		Ascension	Ascension	250	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
			U.S.S.R.	100				X
		Damascus	Syria	50		X	X	X
		Bangkok	Thailand	1	X	X		X
		Brazzaville	Congo Rep. W.	4	X	X	X	X
		Colombo	Ceylon	10	X	X	X	X
		Delhi	India	10/100	X	X	X	X
		Madras	India	100		X		
		Jawalakhel	Nepal	5		X	X	X
		Jogjakarta	Indonesia	20	X	X	X	X
		Madrid	Spain	100	X	X	X	X
		Tananarive	Malagasy Rep.	4/30	X	X	X	
		Mbabane	Swaziland	10				X
		Tokyo	Japan	100				X
7.110	42.19	London	U.K.	100	X	X	X	X
		Kampala	Uganda	8	X	X	X	X
		Kajang	Malaysia	10	X	X	X	
			U.S.S.R.	50	X	X	X	X
		Rhodes	Greece	50	X	X	X	X
		Rawalpindi	Pakistan	10			X	
		Warsaw	Poland	20/60	X	X	X	X
		Bamako	Mali	50	X	X	X	X
		Vienna	Austria	100	X			
		Tirane	Albania					
		Colombo Delhi	Ceylon India	35				
		Jogjakarta	Indonesia	20				
7.115	42.16	Bangkok	Thailand	5	X	X		X
		Kinshasa	Zaire Rep.	10	X	X	X	X
		R.F.E.		20	X	X	X	X
		Sebaa Ayoun	Morocco	10	X	X	X	X
			U.S.S.R.					X
7.120	42.13	London	U.K.	100/250	X	X	X	X
		Limassol	Cyprus	100			X	X
		Tebrau	Malaysia	7.5/250	X	X	X	X
		Delhi	India	20/100	X	X	X	X
		Denpasar	Indonesia	10	X	X	X	X
		Fort Lamy	Chad	10/25	X	X	X	X
		Ulan Bator	Mongolian Rep.	50		X		
		Rangoon	Burma	50	X	X	X	X
		Tirane	Albania					
		Mogadiscio	Somalia	50	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		Bangkok	Thailand					
7.123	42.12	Gwelo	Rhodesia	10/100	X	X	X	X
7.125	42.11	Conakry	Guinea	18/50	X	X	X	X
		Delhi	India	100	X	X	X	X
		Nairobi	Kenya	5	X	X	X	X
		Warsaw	Poland	40/100	X	X	X	X
		Karachi	Pakistan	10	X	X		X
		Peking	China Rep.					
7.130	42.07	London	U.K.	250	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Limassol	Cyprus	100		X		
		Julich	Germany (W)	100	X	X	X	X
			U.S.S.R.	50/100	X	X	X	X
		Taipei	China Nat.	30/50	X	X	X	X
		Nampula	Mozambique	0.3	X	X	X	X
		Peking	China Rep.					
		Ulan Bator	Mongolian Rep.	25	X		X	
		Kuching	Malaysia	10			X	X
		Sines	Portugal	250		X	X	X
		Islamabad	Pakistan	100				X
7.135	42.05	Bangkok	Thailand	0.5	X	X	X	X
		Monrovia	Liberia	250	X	X	X	X
		Monte Carlo	Monaco	30	X	X	X	X
		Karachi	Pakistan	10	X	X		X
			U.S.S.R.	100	X	X	X	X
			Philippines	100/250	X			X
		Shepparton	Australia	100		X		
7.137	42.04	Teheran	Iran					
7.140	42.02	London	U.K.	250				X
		Limassol	Cyprus	20/100	X	X	X	X
		Amboina	Indonesia	10	X	X	X	X
		Hyderabad	India	10	X	X	X	X
		Luanda	Angola	0.3	X	X	X	X
		Nairobi	Kenya	100	X	X	X	X
			U.S.S.R.	240	X	X	X	X
		Tokyo	Japan	20	X	X	X	X
		Darwin	Australia				X	
7.145	41.99	Limassol	Cyprus	100				X
		Gedja	Ethiopia	100	X	X	X	X
		Warsaw	Poland	40/100	X	X	X	X
		Kuching	Malaysia	10	X	X	X	X
			U.S.S.R.	100	X			X
		R.F.E.		10	X	X	X	
		Vientiane	Laos	10	X			
		Quelimane	Mozambique	0.3	X	X	X	X
		Tirane	Albania					
		Julich	Germany (W)	100			X	
		Darwin	Australia	250			X	
		Algiers	Algeria	100				X
7.150	41.96	London	U.K.	100/250	X	X	X	X
		Limassol	Cyprus	100		X		
		Gauhati	India	10	X	X	X	X
			U.S.S.R.	50/240	X	X	X	X
		Taipei	China Nat.	3	X	X	X	X
		Nairobi	Kenya	5	X	X	X	X
		P. Amelia	Mozambique	0.3	X	X	X	X
		Meyerton	South Africa	100	X			X
		Julich	Germany (W)	100	X	X	X	X
		Wertachtal	Germany (W)	500				
		Sines	Portugal	250	X	X		
		Radio Sahara	Sp. W. Africa					

MHz	Metres	Station	Country	kW	M	J	S	D
7.155	41.93	Amman	Jordan	7.5/100	X	X	X	X
		R. Liberty		50	X	X	X	X
		Niamey	Niger	4	X	X	X	X
		Saigon	Viet Nam	1	X	X	X	X
		Tananarive	Malagasy Rep.	30	X	X	X	
		Paris	France	100	X	X	X	
		Vatican	Vatican City	100	X	X	X	X
			U.S.S.R.	240	X			X
		Rhodes	Greece	50			X	
7.160	41.90	London	U.K.	250			X	X
		Cairo	Egypt	100	X	X		X
		Delhi	India	20		X	X	X
		Madras	India	10	X	X	X	X
		Benguela	Angola	1	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		Kuching	Malaysia	10	X	X	X	X
		Okinawa	Ryukyu Is.					
		Meyerton	South Africa	20/100	X	X	X	X
		Paris	France	100	X	X	X	X
		Algiers	Algeria					
		Hargeisa	Somalia	10	X	X	X	X
			Philippines	250	X	X	X	X
		Vatican	Vatican City	100				
7.165	41.87	Tripoli	Libya	100	X	X	X	X
		Dar-es-Salaam	Tanzania	20	X	X	X	X
		Delhi	India	20/100	X	X	X	X
		Kupang	Indonesia	1/5	X	X	X	X
		Okinawa	Ryukyu Is.	35	X	X	X	X
		R.F.E.		10/20	X	X	X	X
		Khumaltar	Nepal	100		X	X	X
		Warsaw	Poland	60				X
7.170	41.84	London	U.K.	250	X	X	X	X
		Salonika	Greece	35	X		X	
		Dakar	Senegal	25	X	X	X	X
		Kohima	India	2	X	X	X	X
		Delhi	India			X		
		Noumea	New Caledonia	20	X	X	X	X
		Singapore	Singapore	10	X	X	X	X
		Peshawar	Pakistan	10	X	X	X	X
			U.S.S.R.	50/120	X	X	X	X
		Tangier	Morocco	35/100			X	X
		Gedja	Ethiopia	100	X			
		Munich	Germany (W)		X	X		
7.175	41.81	Shepparton	Australia	100			X	X
		Brazzaville	Congo Rep. W.	25	X	X	X	X
		Caltanissetta	Italy	5	X	X	X	X
		Sines	Portugal		X			
		Julich	Germany (W)	100				X
			U.S.S.R.	120	X	X	X	X
		Monrovia	Liberia	250	X	X	X	X
		Saigon	Viet Nam	10	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Talata Volon	Malagasy Rep.	600				
		Djakarta	Indonesia	50	X	X	X	X
		Warsaw	Poland	40	X	X	X	X
		Beira	Mozambique	10	X	X	X	X
7.180	41.78	Warsaw	Poland	40	X	X	X	X
		Tebrau	Malaysia	100/250			X	X
		Baghdad	Iraq	100		X	X	X
		Bhopal	India	10	X	X	X	X
		R. Liberty		250	X		X	X
		Taipei	China Nat.	0.5	X	X	X	X
		Hilversum	Netherlands	100				X
			U.S.S.R.		X	X		X
		Tuaran	Malaysia	10	X	X		
		Wien	Austria		X	X	X	X
		Perth	Australia	10	X			
		Kweichow	China Rep.					
7.185	41.75	London	U.K.	100/250	X	X	X	X
		Berlin	Germany (E)	5	X	X	X	X
		Meyerton	South Africa	20/250	X	X	X	X
		Merauke	Indonesia	1	X	X	X	X
		Taipei	China Nat.	35	X	X	X	X
			U.S.S.R.	100/240	X	X	X	X
		Peking	China Rep.					
		Shepparton	Australia	50			X	X
7.190	41.72	London	U.K.	100				X
		Colombo	Ceylon	10	X	X	X	X
		Cotonu	Dahomey	30		X	X	X
		Jerusalem	Israel	20	X	X	X	X
		R.F.E.		10	X	X	X	X
		Djakarta	Indonesia	10	X	X	X	X
			U.S.S.R.	100			X	X
		Peking	China Rep.					
7.195	41.70	Bucharest	Rumania	120	X	X	X	X
		Delhi	India	100	X	X	X	X
		Kampala	Uganda	8	X	X	X	X
		Monrovia	Liberia	250	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		Tokyo	Japan	20	X	X	X	X
		Suva	Fiji	0.5	X	X	X	X
7.200	41.67	London	U.K.	250	X	X	X	X
			U.S.S.R.	50	X	X	X	X
		Beograd	Yugoslavia	10	X	X	X	X
		Vientiane	Laos	0.3	X			
		Kabul	Afghanistan	50		X	X	X
		Omdurman	Sudan	50	X	X	X	X
		Penang	Malaysia	10	X	X	X	
		Taipei	China Nat.	10	X	X	X	X
		R.F.E.		10/250				X
		Karachi	Pakistan	10		X	X	
7.205	41.64	Beira	Mozambique	10	X	X	X	X
			U.S.S.R.	100/240	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Rhodes	Greece	50	X	X	X	X
		Salonika	Greece	35			X	X
		Warsaw	Poland	100	X	X	X	X
		Yaounde	Cameroon	30	X	X	X	X
			Philippines					
7.210	41.61	London	U.K.	100/250	X	X	X	X
		Limassol	Cyprus		X	X	X	
		Berne	Switzerland	100	X	X	X	X
		Dakar	Senegal	30/100	X	X		X
		Calcutta	India	10	X	X	X	X
			U.S.S.R.	50/100	X	X	X	X
		Nairobi	Kenya	10	X	X	X	X
		Biak	Indonesia	1	X	X	X	X
		Fredrikstad	Norway	100	X	X	X	
		Monte Carlo	Monaco	100	X		X	X
		Beira	Mozambique	100	X	X	X	X
		Tirane	Albania					
7.215	41.58	Quetta	Pakistan	10	X	X		
		Abidjan	Ivory Coast	10	X	X		
		Cairo	Egypt	100	X	X		X
		Delhi	India	100	X	X	X	X
		R.F.E.		50	X	X	X	X
		Taipei	China Nat.	1	X	X	X	X
		Hanoi	Viet Nam					
		Luanda	Angola	1	X	X	X	X
		Warsaw	Poland	30	X	X	X	X
		Brunei	Indonesia					
		Meyerton	South Africa	100	X		X	X
			U.S.S.R.					
		Berlin	Germany (E)	50				
7.220	41.55	London	U.K.	250		X		
		Lusaka	Zambia	20	X	X	X	X
		Riyadh	Saudi Arabia	50	X			
		Bangui	Cent. African Rep.	100		X	X	X
		Budapest	Hungary	15	X	X	X	X
		Djakarta	Indonesia	1	X	X	X	X
		R. Liberty		20/50	X	X	X	X
		Shepparton	Australia	100	X	X		
		Tangier	Morocco	50/100	X		X	X
		Kajang	Malaysia	10	X	X	X	
			U.S.S.R.	50/240	X		X	X
		Alger	Algeria	50/100	X	X		X
7.225	41.52	London	U.K.	100				X
		Bucharest	Rumania	18/120	X	X	X	X
		Delhi	India	100	X	X	X	X
		Allouis	France	100				X
		Maldives	Comoro Is.	2.7				
			Philippines	3/50	X	X	X	X
		Sebaa Ayoun	Morocco	10	X	X	X	X
		Kigali	Rwanda	250	X	X	X	X
		Chengtu	China Rep.					

MHz	Metres	Station	Country	kW	M	J	S	D
		Sulaibiyah	Kuwait	250	X			X
		Jerusalem	Israel	150		X	X	X
7.230	41.49	London	U.K.	250	X	X	X	X
		Limassol	Cyprus	20	X	X		X
		Kurseong	India	20	X	X	X	X
			Philippines	3/50	X	X	X	
			U.S.S.R.	50/100	X	X	X	X
		Bangkok	Thailand	1	X	X	X	X
		Tokyo	Japan	10	X	X	X	X
		Monte Carlo	Monaco	100	X	X	X	X
		Tananarive	Malagasy Rep.	10	X	X	X	
		R. Sahara	Sp. W. Africa					
7.235	41.47	London	U.K.					X
		Tebrau	Malaysia		X	X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Delhi	India	100	X	X	X	X
		Madras	India			X		
		Vatican	Vatican City	100				
		Rome	Italy	100	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		Saigon	Viet Nam					
		Enugu	Nigeria	10		X	X	X
		Honiara	Solomon Is.	5		X	X	X
		Shepparton	Australia	100	X	X	X	X
		Abu Zabul	Egypt			X		
		R.F.E.		50				
		Ulan Bator	Mongolian Rep.	50	X	X	X	
		Sines	Portugal	250	X	X	X	X
7.240	41.44	London	U.K.	250				X
		Lusaka	Zambia	120	X	X	X	X
		Tangier	Morocco	100			X	
		Garoua	Cameroon	4	X	X	X	X
		Tuaran	Malaysia	10				
		Karachi	Pakistan	10/50	X	X	X	X
		Rawalpindi	Pakistan					
		Islamabad	Pakistan	100				
		Dacca	Bangla Desh	10				
		Bangkok	Thailand	0.5	X	X	X	X
		Beira	Mozambique	4.5	X	X	X	X
		Beograd	Yugoslavia	10	X	X	X	X
		Bombay	India	10	X	X	X	X
		Tromso	Norway	10	X	X	X	X
		Baghdad	Iraq	250			X	X
		Medan	Indonesia	7.5	X	X	X	X
			U.S.S.R.	50/240	X	X	X	X
		Nairobi	Kenya	10	X	X	X	X
		Taipei	China Nat.	1.5	X	X	X	X
		Kweichow	China Rep.					
7.245	41.41	Nouakchott	Mauretania	4	X	X	X	X
		R.F.E.		10	X	X	X	X
		Saigon	Viet Nam	20	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		St. Denis	Reunion	4	X	X	X	X
		Wien	Austria	100	X	X	X	X
		Luanda	Angola	100	X	X	X	X
			U.S.S.R.	50	X			X
		Rawalpindi	Pakistan					
		Monte Carlo	Monaco					
7.250	41.38	Limassol	Cyprus	100	X	X	X	X
			U.S.S.R.	240	X	X	X	X
		Singapore	Singapore	7.5	X	X	X	X
		Baghdad	Iraq					
		Taipei	China Nat.	10	X	X	X	X
		Algiers	Algeria					
		Vatican	Vatican City	100	X	X	X	X
		Tangier	Morocco	100				X
		Lucknow	India	10	X	X	X	X
		Wien	Austria	100	X	X	X	X
		Dar-es-Salaam	Tanzania	5			X	
			China Rep.					
		Lusaka	Zambia					
7.255	41.35	Cairo	Egypt	100	X			X
		Nampula	Mozambique	7.5	X	X	X	X
		Okinawa	Ryukyu Is.	100	X	X	X	X
		Djakarta	Indonesia	50	X	X	X	X
		Ikorodu	Nigeria	100			X	X
		Lagos	Nigeria	10	X	X	X	X
		R.F.E.		50	X	X	X	X
		Sofia	Bulgaria	50	X	X	X	X
		Paris	France	100	X	X	X	X
		Kikwit	Zaire Rep.	0.1	X	X	X	X
			U.S.S.R.					X
		Saigon	Viet Nam					
7.260	41.32	London	U.K.	100/250	X	X	X	X
		Limassol	Cyprus	20/100	X	X	X	X
		Moroni	Comoro Is.	4	X	X	X	X
		Meyerton	South Africa	100	X		X	X
		Monte Carlo	Monaco	100	X	X	X	X
		Taipei	China Nat.	3.5	X	X	X	X
		Port Vila	Melanesia	2	X	X	X	X
		Ulan Bator	Mongolian Rep.	25	X	X	X	X
		Madras	India	100	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		Dacca	Bangla Desh	7.5	X	X	X	X
		Munich	Germany (W)	100				
7.265	41.29	Togblekope/Lome	Togo	100	X	X	X	X
			U.S.S.R.	50/240	X	X	X	X
		Rohrodorf	Germany (W)	20	X	X	X	X
		Karachi	Pakistan					X
		Peking	China Rep.					
		Luanda	Angola	100			X	X
		Abu Dhabi	Persian Gulf	120				X
		Ulan Bator	Mongolian Rep.					

MHz	Metres	Station	Country	kW	M	J	S	D
7.270	41.27	London	U.K.					X
		Meyerton	South Africa	20/250	X	X	X	X
		Djakarta	Indonesia	50	X	X	X	X
			U.S.S.R.	50	X	X	X	X
		Kuching	Malaysia	10	X	X	X	X
		Libreville	Gabon Rep.	100	X	X		
		Tangier	Morocco	100	X		X	X
		Warsaw	Poland	100	X	X	X	X
		Rhodes	Greece	50	X	X		
		Kavalla	Greece	250				
		Srinagar	Jammu and Kashmir	7.5	X	X	X	X
		Salonika	Greece	35				X
			Pakistan					
7.275	41.24	London	U.K.	100	X	X	X	X
		Colombo	Ceylon	35	X	X	X	X
		Karachi	Pakistan	10	X	X	X	X
		Lagos	Nigeria	100	X	X	X	X
			Philippines	35/250	X			
		Rome	Italy	60/100	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		Monte Carlo	Monaco	100	X	X	X	X
		Sines	Portugal	250	X	X	X	X
		Lopik	Netherlands	100	X	X	X	X
		Kweiyang	China Rep.					
7.280	41.21	Dar-es-Salaam	Tanzania	10	X	X	X	X
		Gauhati	India	10	X	X	X	X
			U.S.S.R.	100/200	X	X	X	X
		Paris	France	100	X	X	X	X
		Taipei	China Nat.	1.5	X	X	X	X
		Monrovia	Liberia	250	X	X	X	X
		Quelimane	Mozambique	0.3	X	X	X	X
		Fukien Front Stn.	China Rep.					
7.285	41.81	Delhi	India	20/100	X	X	X	X
		Gwelo	Rhodesia	100	X	X	X	X
		Tangier	Morocco	100	X			X
		Salonika	Greece	35	X		X	X
		Kavalla	Greece	250				X
		Tokyo	Japan	10	X	X	X	X
		Warsaw	Poland	15	X	X	X	X
			U.S.S.R.	100			X	
		Paris	France	100				X
		Ibadan	Nigeria	1	X	X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Sines	Portugal	250				X
7.290	41.15		U.S.S.R.	120	X		X	X
		Gedja	Ethiopia	100	X	X	X	X
		Delhi	India	10/100	X	X	X	X
		Salonika	Greece	35	X	X		
		Rome	Italy	60	X	X	X	X
		Sa de Bandeira	Angola	10	X	X	X	X
		Monte Carlo	Monaco	100	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Tirane	Albania					
		Perth	Australia	10	X	X	X	X
		Munich	Germany (W)	100	X	X		X
		Karachi	Pakistan	10		X	X	
		Peking	China Rep.					
		Talata Volon	Malagasy Rep.	300				
7.295	42.12	Tema/Accra	Ghana	10/100	X	X	X	X
		Berlin	Germany (E)	100	X	X	X	X
		Penang	Malaysia	10	X	X	X	
			U.S.S.R.		X	X	X	X
		Menado	Indonesia	0.5	X	X	X	X
		Athens	Greece	7.5	X	X		X
		Mbuji-Mayi	Zaire Rep.	10	X	X	X	X
		R. Liberty		250	X	X	X	X
		Nairobi	Kenya	5	X	X	X	X
		Sines	Portugal	250	X	X	X	
		Tirane	Albania					
			Philippines	250				X
		Tangier	Morocco	100				
7.300	41.10	Tirane	Albania	240				
		Berlin	Germany (E)					
		Baku	U.S.S.R.					
		Dushambe	U.S.S.R.	50				
		Moscow	U.S.S.R.					
		Penang	Malaysia	10				
		Ikorodu	Nigeria					
7.305	41.07	Tirane	Albania	240				
		Moscow	U.S.S.R.					
		Opole	Poland	0.35				
		V. of Malayan Rev'ln						
7.309	41.05	Enugu	Nigeria					
7.310	41.04	Tirane	Albania					
		Moscow	U.S.S.R.					
		Vilnus	U.S.S.R					
		Bangkok	Thailand					
		R. Pathet Laos						
7.315	41.00	Peking	China Rep.					
		Tirane	Albania	120				
			U.S.S.R.					
7.320	40.98	Minsk	U.S.S.R.	100				
		London	U.K.					
7.325	40.96	London	U.K.					
		Hanoi	Viet Nam					
		Moscow	U.S.S.R.					
		Peking	China Rep.					
7.330	40.93		U.S.S.R.	50				
7.335	40.90	Peking	China Rep.	50				
		Tirane	Albania					
		Berlin	Germany (E)					
		Dominion Observatory	Canada					

MHz	Metres	Station	Country	kW
		V. of Truth		50
		Moscow	U.S.S.R.	
7.340	40.87	Moscow	U.S.S.R.	
7.345	40.84	Prague	Czechoslovakia	100
7.350	40.82	Peking	China Rep.	
		Moscow	U.S.S.R.	50
7.355	40.80		U.S.S.R.	
		Peking	China Rep.	
7.360	40.76	Hanoi	Viet Nam	
		Moscow	U.S.S.R.	100
7.365	40.74	Peking	China Rep.	
7.370	40.71	Moscow	U.S.S.R.	100
7.375	40.68	Peking	China Rep.	
7.380	40.65	Moscow	U.S.S.R.	100
		Magadan	U.S.S.R.	50
7.385	40.63	Urumchi	China Rep.	
7.390	40.60	Moscow	U.S.S.R.	240
7.395	40.57	Hanoi	Viet Nam	
7.400	40.54	Kiev	U.S.S.R.	100
		Moscow	U.S.S.R.	
		Peking	China Rep.	
		Liberation Radio		
7.410	40.49	Baghdad	Iraq	50
		Moscow	U.S.S.R.	
		Peking	China Rep.	
7.415	40.46	Hanoi	Viet Nam	
7.420	40.43	Peking	China Rep.	
		Minsk	U.S.S.R.	
		Moscow	U.S.S.R.	100
7.425	40.40	Peking	China Rep.	
7.430	40.37	Peking	China Rep.	
7.435	40.34	Peking	China Rep.	
7.440	40.32	Moscow	U.S.S.R.	100
7.443	40.30	Geneva (UNO)	Switzerland	25
7.450	40.29	Peking	China Rep.	125
			U.S.S.R.	
			Turkey	
7.465	40.19	Taipei	China Nat.	
7.470	40.16	Hanoi	Viet Nam	
		Peking	China Rep.	
7.480	40.10	Peking	China Rep.	120
		R. Pathet Laos		
7.490	40.04	Peking	China Rep.	
7.496	40.02	Peking	China Rep	
7.500	40.00		U.S.S.R.	
7.505	39.97	Peking	China Rep.	
7.510	39.94	Taiwan	China Nat.	1
7.523	39.93	London	U.K.	
7.525	39.92	Peking	China Rep.	
7.545	39.76	Hanoi	Viet Nam	
7.547	39.74	Bridgetown	Brit. W. Indies	

MHz	Metres	Station	Country	kW
7.548	39.72	Hanoi	Viet Nam	
7.580	39.61	Pyongyang	Korea (N)	
7.590	39.60	Peking	China Rep.	
7.600	39.30	Peking	China Rep	
7.620	39.37	Peking	China Rep.	
7.645	39.25		U.S.S.R.	
7.650	39.20	Murmansk	U.S.S.R.	
7.651	39.20	Greenville	U.S.A.	
7.660	39.16	Peking	China Rep.	
7.670	39.11	Sofia	Bulgaria	20
7.684	39.04	London	U.K.	
7.688	39.01	London	U.K.	
7.690	39.00	Espana Independiente		15
7.692	38.99	London	U.K.	
7.700	38.96	Peking	China Rep.	
7.705	38.93		U.S.S.R.	
7.747	38.73	London	U.K.	
7.753	38.70	London	U.K.	
7.770	38.60	Peking	China Rep.	50
7.780	38.54	Peking	China Rep.	
7.785	38.51	Peking	China Rep.	
7.820	38.40	Peking	China Rep.	
7.825	38.35	Peking	China Rep.	
7.830	38.30	Peking	China Rep.	
7.850	38.20			
7.905	37.90	Peking	China Rep.	
7.925	37.81	Moscow	U.S.S.R.	
8.000	37.50		Laos	
8.065	37.29	Julich	Germany (W)	
8.125	36.85		U.S.S.R.	
8.132	36.80	Julich	Germany (W)	
8.195	36.60	Fukien Front Stn.	China Rep.	
8.240	36.42	Peking	China Rep.	
8.260	36.30	Peking	China Rep.	
8.290	36.16	Peking	China Rep.	
8.300	36.10	Peking	China Rep.	
8.345	36.01	Peking	China Rep.	
8.405	35.87	V. of Free Yemeni S.		
8.425	35.65	Peking	China Rep.	
8.450	35.50	Peking	China Rep.	
8.490	35.26	Peking	China Rep.	
8.550	35.00			
8.590	34.96	Moscow	U.S.S.R.	
8.600	34.90	R. Patriotic (Neutralist Forces)		
8.630	34.80	Tripoli	Libya	10
8.635	34.77	R. Pathet Laos		
8.660	34.56	Peking	China Rep.	

MHz	Metres	Station	Country	kW
8.815	34.10		U.S.S.R.	
8.890	33.80	Ulan Bator	Mongolian Rep.	
8.970	33.60		U.S.S.R.	
8.975	33.57		U.S.S.R.	
9.009	33.31	Tel Aviv	Israel	50
9.012	33.26	Peking	China Rep.	
9.020	33.24	Teheran	Iran	100
		Peking	China Rep.	50
9.025	33.21	Peking	China Rep.	
9.030	33.18	Peking	China Rep.	
9.060	33.13	Peking	China Rep.	
9.064	33.10	Peking	China Rep.	
9.070	33.08	V. of People of Burma		
9.080	33.02	Peking	China Rep.	
9.090	33.00	R.F.E.		
9.097	32.97	London	U.K.	
9.135	32.95	Peking	China Rep.	
9.150	32.91	Moscow	U.S.S.R.	
9.170	32.79	Peking	China Rep.	
9.180	32.73	Peking	China Rep.	
9.210	32.55	Peking	China Rep.	
		Moscow	U.S.S.R.	
9.240	32.49	Peking	China Rep.	
9.250	32.43	Urumchi	China Rep.	
		Alma Ata	U.S.S.R.	50
9.275	32.37	Urumchi	China Rep.	
9.280	32.34	Peking	China Rep.	
9.285	32.31	Peking	China Rep.	
9.290	32.28	Peking	China Rep.	
9.295	32.26	Peking	China Rep.	
9.300	32.24	Peking	China Rep.	
		Santa Cruz	Bolivia	
9.317	32.20	London	U.K.	
9.323	32.17	London	U.K.	
9.335	32.15	Peking	China Rep.	
9.340	32.12	Peking	China Rep.	
9.345	32.10	Peking	China Rep.	
			U.S.S.R.	
9.350	32.10	Peking	China Rep.	
		Tirane	Albania	100
9.360	32.05	Peking	China Rep.	
		Madrid	Spain	50/100
9.365	32.03	Peking	China Rep.	
9.370	32.02	Peking	China Rep.	
		Tirane	Albania	120
9.375	32.00	Khabarowsk	U.S.S.R.	
		Peking	China Rep.	
9.380	31.98	Alma Ata	U.S.S.R.	100
		Peking	China Rep.	
9.387	31.96	Peking	China Rep.	

MHz	Metres	Station	Country	kW	M	J	S	D
9.390	31.95	Tirane	Albania					
		Peking	China Rep.					
9.397	31.91	Peking	China Rep.					
9.410	31.88	London	U.K.					
			U.S.S.R.					
9.423	31.83	V. of People of Thailand						
9.425	31.82	Dacca	Bangla Desh					
9.426	31.82	Tirane	Albania	120				
9.430	31.81	Hanoi	Viet Nam					
9.440	31.78	Karachi	Pakistan					
		Peking	China Rep.					
9.450	31.75	Karachi	Pakistan					
		Eriyan	U.S.S.R.					
		Moscow	U.S.S.R.					
			Australia					
9.455	31.73	Cairo	Egypt					
9.460	31.72	Peking	China Rep.					
		Sackville	Canada					
			U.S.S.R.					
		Karachi	Pakistan	50				
9.470	31.68	Moscow	U.S.S.R.	100				
9.475	31.66	Cairo	Egypt	100				
9.480	31.65	Peking	China Rep.					
		Moscow	U.S.S.R.	120				
		Kiev	U.S.S.R.					
		Liberation Radio						
		Tirane	Albania					
9.485	31.63		U.S.S.R.					
9.490	31.61	Lhasa	Tibet					
		Moscow	U.S.S.R.	50				
		Peking	China Rep.					
		Tirane	Albania					
9.495	31.60	Cairo	Egypt	100				
		Peking	China Rep.					
		Tirane	Albania	120				
9.500	31.58	Berlin	Germany (E)	100				
		Moscow	U.S.S.R.	100				
		Hanoi	Viet Nam					
		Peking	China Rep.					
		Bizam Radio						
		Tokyo	Japan					
		Tacna	Peru					
		Tirane	Albania					
		Budapest	Hungary	100	X			
9.505	31.56	London	U.K.	250				
		Tebrau	Malaysia		X	X		
		La Paz	Bolivia	5	X	X	X	X
		R.F.E.		250	X		X	X
		Beograd	Yugoslavia	10	X	X	X	X
			Philippines	50	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Berlin	Germany (E)	100	X	X	X	X
		Omdurman	Sudan	50	X	X	X	X
		Prague	Czechoslovakia	100/200	X	X	X	X
		Lusaka	Zambia	50	X	X	X	X
		S. Domingo	Dominican Rep.	20	X	X	X	X
		Tokyo	Japan	100	X	X	X	X
		Sao Paulo	Brazil	7,5	X	X	X	X
		Tangier	Morocco	100				X
		Julich	Germany (W)	100				X
		Rhodes	Greece	50				X
		Guatemala	Guatemala	10			X	X
		Jinotega	Nicaragua	1		X	X	X
9,510	31,55	London	U.K.	100/250	X	X	X	X
		Ascension	Ascension	250	X	X	X	X
		Algiers	Algiers	50	X	X		X
		Barquisemeto	Venezuela					
		Bucharest	Rumania	14/18	X	X	X	X
		Madras	India	100	X	X	X	X
		Tirane	Albania					
		Noumea	New Caledonia	4	X	X	X	X
			U.S.S.R.	50	X	X	X	X
		Islamabad	Pakistan	100			X	X
		Hilversum	Netherlands	100				
		Lima	Peru	5				X
		Warsaw	Poland	60	X	X	X	X
		Wertachtal	Germany (W)	500				
		Taipei	China Nat.	50				X
		Patumthani	Thailand	50	X	X		
		Noblejas	Spain	350		X		X
		Wien	Austria	100			X	
		Greenville	U.S.A.	250			X	
		Peking	China Rep.					
		Djakarta	Indonesia					
9,515	31,53	London	U.K.	250	X	X	X	X
		Ankara	Turkey	100	X	X	X	X
		Caltanissetta	Italy	5	X	X	X	X
			U.S.S.R.	50	X	X	X	X
		Mexico City	Mexico	20	X		X	X
		Montevideo	Uruguay	10	X	X	X	X
		Kajang	Malaysia	50	X	X	X	
		Rio de Janeiro	Brazil		X	X	X	X
		Tananarive	Malagasy Rep.	30	X	X	X	
		Suwon	Korea (N)					
		Brussels	Belgium	100				X
		Praha	Czechoslovakia	100		X	X	
		Greenville	U.S.A.	50			X	
9,520	31,51	London	U.K.			X	X	X
		Kobenhavn	Denmark	50	X	X	X	X
		Kuwait	Kuwait	50/250	X	X	X	X
			U.S.S.R.	100/150	X	X	X	X
		R. Liberty		250	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Pt. Moresby	Papua	10/50	X	X	X	X
		Wellington	New Zealand	7.5	X	X	X	X
		Paris	France	100	X	X	X	X
		Greenville	U.S.A.	50/250	X	X	X	X
		Lima	Peru	5				X
		Noblejas	Spain	350		X	X	X
		Monrovia	Liberia	250			X	
9.525	31.50	Pori	Finland	15	X			X
		Meyerton	South Africa	250	X	X	X	X
		Bethany	U.S.A.	250	X	X	X	X
		Havana	Cuba	50	X	X	X	X
		Tokyo	Japan	100	X	X	X	X
		Warsaw	Poland	40/100	X	X	X	X
		Paris	France	100				
			U.S.S.R.	50	X			X
		Aligarh	India	250			X	X
		Delhi	India			X		
9.530	31.48	London	U.K.	200		X		
		Kabul	Afghanistan	100				X
		Quito	Ecuador	50	X	X	X	X
		Amman	Jordan	100	X	X	X	X
		Greenville	U.S.A.	50/250	X	X	X	X
		Dar-es-Salaam	Tanzania	20	X	X	X	X
		Madras	India	100			X	
		Delhi	India	100	X	X		
		Aligarh	India	100			X	X
		Monrovia	Liberia	250	X	X	X	X
			U.S.S.R.	100/240	X	X	X	X
			Philippines	35/250	X	X	X	X
		Tokyo	Japan	100	X	X	X	X
		Pori	Finland	15	X	X	X	
		Tacna	Peru	1				X
		Salonika	Greece	35		X		
		Quito	Ecuador					
		Munich	Germany (W)	100	X		X	X
		Rhodes	Greece	50	X			
		Enugu	Nigeria	10		X	X	X
		Paris	France	100				X
9.535	31.46	Kuching	Malaysia	10	X	X	X	X
		Berlin	Germany (E)	100	X	X		X
		Berne	Switzerland	150	X	X	X	X
		Beromunster	Switzerland	250	X	X	X	X
		Delhi	India	100	X	X	X	X
		Luanda	Angola	100	X	X	X	X
		Tokyo	Japan	5	X	X	X	X
			U.S.S.R.				X	
		Gedja	Ethiopia	100	X	X	X	
		Noblejas	Spain	350			X	X
9.540	31.45	London	U.K.	250	X	X	X	X
		Lumbumbashi	Zaire Rep.	20	X	X	X	X
		Munich	Germany (W)	100		X		

MHz	Metres	Station	Country	kW	M	J	S	D
			U.S.S.R.	50/200	X	X	X	X
		Shepparton	Australia	50/100	X	X	X	X
		Warsaw	Poland	8	X	X	X	X
		Wellington	New Zealand	7.5	X	X	X	X
		Prague	Czechoslovakia	100	X	X	X	X
		Tangier	Morocco	35/100	X	X	X	X
		Pyongyang	Korea (S)					
		Ulan Bator	Mongolian Rep.					
		Salonika	Greece	35	X			
9.545	31.43	Pt. au Prince	Haiti	7.5	X	X	X	
			U.S.S.R.					X
		Tangier	Morocco					X
		Tema		100	X	X	X	X
		Beirut	Lebanon	100	X	X	X	X
		Curityba	Brazil	7.5	X	X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Delano	U.S.A.	200	X	X	X	
		Dixon	U.S.A.	250				X
		Vera Cruz	Mexico	0,5	X		X	X
			Philippines	50	X	X	X	X
		Ulan Bator	Mongolian Rep.	25		X	X	X
		Noblejas	Spain	350			X	
		Sines	Portugal	250			X	X
9.550	31.41	Cairo	Egypt	100	X	X		X
		Dar-es-Salaam	Tanzania	100	X	X	X	X
		Grenada	Brit. W. Indies	10	X		X	X
		Havana	Cuba	50	X	X	X	X
		Jinotega	Nicaragua	1	X	X		
		Makassar	Indonesia	7.5	X	X	X	X
		Pori	Finland	15	X	X	X	X
		Fredrikstad	Norway		X		X	X
		Shepparton	Australia	100	X	X	X	X
			U.S.S.R.	120/240	X	X	X	X
		Tokyo	Japan	5	X	X	X	X
		Sofia	Bulgaria	50/120		X	X	
		Brussels	Belgium	100			X	X
		Bucharest	Rumania	18			X	X
		Warsaw	Poland	60	X	X	X	X
		Noblejas	Spain	350		X		X
9.555	31.40	London	U.K.	250		X		
			U.S.S.R.	100	X		X	X
		R. Liberty		50	X	X	X	X
		La Paz	Bolivia	10	X	X	X	
		Mexico City	Mexico	0.5/1	X		X	X
		San Salvador	El Salvador					
			Philippines	100	X	X	X	X
		Pori	Finland	15		X	X	
		Damascus	Syria	20	X			
		Bethany	U.S.A.	250		X	X	
		Greenville	U.S.A.	200				X
		Monrovia	Liberia	50			X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Allouis	France	100				X
9.560	31.38	Amman	Jordan	100	X	X	X	X
			U.S.S.R.	50	X	X	X	X
		Berlin	Germany (E)	100	X	X	X	
		Lima	Peru	10				X
		Paris	France	100	X	X	X	X
		Shepparton	Australia	100		X	X	X
		Sofia	Bulgaria	50	X	X	X	X
		Tokyo	Japan		X		X	X
		Okinawa	Ryukyu Is.	35	X	X	X	X
		Karachi	Pakistan	50	X	X	X	X
		Dacca	Bangla Desh	100	X		X	X
		Jaji	Nigeria	10	X	X	X	X
		Meyerton	South Africa	250		X	X	
		Noblejas	Spain	350		X		X
9.565	31.36	London	U.K.	250	X	X	X	X
		Greenville	U.S.A.	250	X	X	X	X
		Dixon	U.S.A.	200	X	X	X	X
		Tripoli	Libya	100	X	X	X	X
		Kigali	Rwanda	250	X	X	X	X
			U.S.S.R.	240	X			X
		Recife	Brazil	10	X	X	X	X
		R.F.E.		10	X	X	X	X
		Julich	Germany (W)		X	X	X	X
		Abu Zaabal	Egypt	100	X	X		X
		Kuching	Malaysia	10		X	X	X
9.570	31.35	London	U.K.	100	X	X		
		Tebrau	Malaysia	7.5/250	X	X	X	X
		Meyerton	South Africa	18/250		X	X	
		Bucharest	Rumania	240	X	X	X	X
		Doha	Persian Gulf	100	X	X	X	X
		Santiago	Chile					
		Shepparton	Australia	50	X	X	X	X
		Madrid	Spain	100	X	X	X	X
		Noblejas	Spain	350		X		X
		Jaji	Nigeria	10			X	X
		Monte Carlo	Monaco	100				
		Warsaw	Poland	30/60	X	X	X	X
		Puno	Peru	1				X
		Gedja	Ethiopia	100			X	
		Bombay	India	100	X		X	
		Aligarh	India	250			X	X
		Delhi	India	100	X	X	X	X
		Beida	Libya					
9.575	31.33	London	U.K.	100				X
		Bombay	India	100	X	X	X	X
		Taipei	China Nat.	10	X	X	X	X
		Rio de Janeiro	Brazil	10	X	X	X	X
		Roma	Italy	60/100	X	X	X	X
		Ulan Bator	Mongolian Rep.	50	X	X		
		Peking	China Rep.	10				

MHz	Metres	Station	Country	kW	M	J	S	D
		Monte Carlo	Monaco	100	X	X		X
		Godthaab	Greenland	10	X	X	X	X
		Niamey	Niger	4	X	X	X	X
		Bonaire	Neth. Antilles	300	X	X	X	X
			U.S.S.R.	50	X	X	X	X
		Warsaw	Poland		X	X	X	X
		Wien	Austria		X	X		
		Sines	Portugal	250	X		X	
		Pt. Moresby	Papua	10		X	X	X
		Brussels	Belgium					
9.580	31.32	London	U.K.	100/250	X	X	X	X
		Ascension	Ascension	250	X	X	X	X
		Tebrau	Malaysia	7.5	X	X	X	X
		Cairo	Egypt	100	X	X		X
			U.S.S.R.	100/200	X	X	X	X
			Philippines	250	X	X	X	X
		Shepparton	Australia	100	X	X	X	X
		Lusaka	Zambia	20/50	X	X	X	X
		Monte Carlo	Monaco	100				X
		Bombay	India					
		Karachi	Pakistan					
		Djakarta	Indonesia					
		Pt. Cabezas	Nicaragua	1		X	X	X
		R. Liberty						
		Pyongyang	Korea (N)					
9.585	31.30	Djakarta	Indonesia	50	X	X	X	X
		Paris	France	100	X	X	X	X
		Sao Paulo	Brazil	50	X	X	X	X
		Monte Carlo	Monaco	100	X	X	X	X
		Mogadishu	Somalia	5	X	X	X	X
		Damascus	Syria	20		X	X	X
		Islamabad	Pakistan	100				X
			U.S.S.R.					
		Pori	Finland	100	X			X
		Munich	Germany (W)	100				X
		Wertachtal	Germany (W)	500				X
		Delhi	India	20	X	X	X	X
		Bucharest	Rumania					
		Salonika	Greece					
		Horby	Sweden	100				X
9.590	31.28	Greenville	U.S.A.	500				X
		Berne	Switzerland	150	X	X	X	X
		Bucharest	Rumania	50/120	X	X	X	X
		Bonaire	Neth. Antilles	300	X	X	X	X
		Delhi	India	100	X	X	X	X
		Sebele	Botswana	10				X
			U.S.S.R.	50/240	X	X	X	X
		S. Domingo	Dominican Rep.	0.3	X	X	X	X
		Cairo	Egypt	100	X	X		X
		Santiago	Chile					
		Horby	Sweden	100			X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Shepparton	Australia	100		X	X	X
		Khumaltar	Nepal	100			X	X
		Peking	China Rep.					
9.595	31.27	Montevideo	Uruguay	10	X	X	X	
		R.F.E.		10/50	X	X	X	X
		Salvador	Brazil	10	X	X	X	
		Tokyo	Japan	50	X	X	X	X
		Tunis	Tunisia					
		Sulaibiyah	Kuwait	250			X	X
		Tangier	Morocco					X
9.600	31.25	London	U.K.	250	X	X	X	X
		Ascension	Ascension	250	X	X	X	X
		Delhi	India	20	X	X	X	X
		Prague	Czechoslovakia	100	X	X	X	X
		Mexico City	Mexico	1	X		X	X
		Berlin	Germany (E)	100	X			X
		Sorong	Indonesia	5	X	X	X	X
		Talara	Peru	0.5				
			U.S.S.R.	50/100	X	X	X	X
		Peking	China Rep.					
		Talara	Peru	0.5				X
		Urumchi	China Nat.					
		Dacca	Bangla Desh	10	X			X
		Shepparton	Australia	100				X
		Bizam Radio						
		Algiers	Algeria					
9.605	31.23		Philippines	35/250	X	X	X	X
		Quito	Ecuador		X	X		
		Dixon	U.S.A.	250	X			
		Delano	U.S.A.	250			X	X
		Athens	Greece	7.5	X	X	X	X
		Bonaire	Neth. Antilles	50	X			
			U.S.S.R.	50	X	X	X	X
		Potosi	Bolivia	5	X	X	X	X
		Kuching	Malaysia	10	X	X	X	X
		Prague	Czechoslovakia	100	X	X	X	X
		Peking	China Rep.					
		Julich	Germany (W)	100	X	X	X	X
		Sackville	Canada	250				X
		Paris	France					
9.610	31.22	Limassol	Cyprus	100		X	X	
		Addis Ababa	Ethiopia	10/100	X	X	X	X
		Fredrikstad	Norway	100	X	X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Wertachtal	Germany (W)	500				X
			U.S.S.R.	50/240	X	X	X	X
		Nouakchott	Mauretania	30	X	X	X	X
		Perth	Australia	10/50	X	X	X	X
		Rio de Janeiro	Brazil	10	X	X	X	X
		Wien	Austria	100	X			
		Brazzaville	Congo Rep. W.	50	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Baghdad	Iraq	100		X		
		Meyerton	South Africa	100		X		
		Algiers	Algeria	100				X
		Brussels	Belgium					
9.615	31.20	Aligarh	India	250	X			X
		Dundo	Angola	1	X	X	X	X
		Scituate	U.S.A.	50/100	X	X	X	X
		Brussels	Belgium	100			X	
		Fort Lamy	Chad	4	X	X	X	X
		San Jose	Costa Rica	3/50	X	X	X	X
			Philippines	2,5	X	X	X	X
		Rabat	Morocco	50/100	X			
		Vatican	Vatican City	100	X	X	X	X
		Cairo	Egypt	100	X	X		X
		Kuching	Malaysia	10	X	X	X	X
		Tangier	Morocco	50/100		X	X	X
		Peking	China Rep.					
		Saigon	Viet Nam					
		Sines	Portugal	250			X	X
		Quito	Ecuador	100			X	X
		Okinawa	Ryukyu Is.	35				X
		Sackville	Canada					
9.620	31.19	Beograd	Yugoslavia	100	X	X	X	X
			U.S.S.R.	100/120	X	X	X	X
		Montevideo	Uruguay	20	X	X	X	X
		Paris	France	100	X	X	X	X
		Saigon	Viet Nam	50	X	X	X	X
		Sao Paulo	Brazil	7,5	X	X	X	X
		Sofia	Bulgaria	50	X			
		Salonika	Greece	35				X
		L. Marques	Mozambique	10	X	X	X	X
		Berlin	Germany (E)	100		X	X	
		Peking	China Rep.					
		Sines	Portugal	250	X	X	X	X
		Wertachtal	Germany (W)	500				
		Julich	Germany (W)	100				X
		Abu Dhabi	Persian Gulf	120				X
9.625	31.17	London	U.K.					
		Limassol	Cyprus	100	X	X	X	X
		Horby	Sweden	100	X	X		
		Jerusalem	Israel	50	X	X	X	X
			U.S.S.R.					
		Sackville	Canada	50/250	X	X	X	X
		Iquitos	Peru	1				X
		Cairo	Egypt	100	X	X		X
		Delhi	India		X	X		
		Sines	Portugal	250	X	X	X	
		Meyerton	South Africa			X		
		Tangier	Morocco	100			X	X
			Philippines	250				
		Peking	China Rep.					

MHz	Metres	Station	Country	kW	M	J	S	D
		Saigon	Viet Nam					
9.630	31.15	Aligarh	India	250	X	X		
		Delhi	India	50/100		X	X	X
		Prague	Czechoslovakia	100/200	X	X	X	X
		Vatican	Vatican City	100	X	X	X	X
		Luanda	Angola	1	X	X	X	X
		Taipei	China Nat.	3	X	X	X	X
			U.S.S.R.	200	X	X	X	
		Lisbon	Portugal	100			X	X
		Rome	Italy					X
		Greenville	U.S.A.					
		Sackville	Canada	50	X	X		
			Philippines	250	X	X	X	X
		Cairo	Egypt	100	X	X		X
		Monrovia	Liberia	250				X
		Islamabad	Pakistan	100				
		Gedja	Ethiopia					X
		Horby	Sweden		X	X	X	X
9.635	31.14	London	U.K.	100	X	X	X	X
		Aparacida	Brazil	7.5	X	X	X	X
		Bamako	Mali	18	X	X	X	X
		Greenville	U.S.A.	28/500	X	X	X	X
		Singapore	Singapore	50	X	X	X	X
			U.S.S.R.	50	X	X	X	X
		Cayes	Haiti	0.3	X	X	X	
		Warsaw	Poland	40/100	X	X	X	X
		Bogota	Colombia					X
		Baghdad	Iraq	100		X	X	X
		Peking	China Rep.					
		Meyerton	South Africa	100/250		X		X
		S. Gabriel	Portugal		X	X		
		Algiers	Algeria					
9.640	31.12	London	U.K.	250	X	X	X	X
		Ejura	Ghana	100	X	X	X	X
		Greenville	U.S.A.	250	X	X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Wertachtal	Germany (W)	500				X
		Managua	Nicaragua	0.2	X	X		
		Montevideo	Uruguay	10	X	X	X	X
			U.S.S.R.	120/240	X	X	X	X
		Seoul	Korea (S)	50	X	X	X	X
			Philippines	250	X	X	X	X
		Monte Carlo	Monaco					
		Brussels	Belgium	100				
9.645	31.10	Fredrikstad	Norway		X		X	X
		Karachi	Pakistan	10/50	X	X	X	X
		Pocas de Caldas	Brazil	7.5	X	X	X	X
		San Jose	Costa Rica	2	X	X	X	X
		Vatican	Vatican City	100	X	X	X	X
			U.S.S.R.	50	X	X	X	X
		Cairo	Egypt	100	X	X		X

MHz	Metres	Station	Country	kW	M	J	S	D
		Berlin	Germany (E)	100	X			
			China Rep.					
		Wien	Austria	100			X	
9,650	31,09	Limassol	Cyprus	7,5/100				
		Berlin	Germany (E)	100		X	X	
		Meyerton	South Africa	100	X	X	X	X
		Greenville	U.S.A.	250/500	X	X	X	X
		Delano	U.S.A.	250		X	X	X
		Dixon	U.S.A.	250				
		Conakry	Guinea	100	X	X	X	X
		Montevideo	Uruguay	10	X	X	X	X
			U.S.S.R.	100	X	X	X	X
			Philippines	50/250	X	X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Wertachtal	Germany (W)	500				X
		Sines	Portugal	250	X	X	X	X
		Magwa	Kuwait	50/250	X	X	X	X
		Tangier	Morocco					
9,655	31,07	Julich	Germany (W)	100	X	X	X	X
		Bangkok	Thailand	2,5	X	X		X
		Karachi	Pakistan	50				X
		Warsaw	Poland					
		R.F.E.		10		X		
		Chachapoyas	Peru	1				X
		Tokyo	Japan	10	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		Monte Carlo	Monaco	100				
		Bethany	U.S.A.	250	X			X
		Tripoli	Libya	100	X	X	X	X
		Kaduna	Nicaragua	10	X	X	X	X
		Damascus	Syria	50		X	X	X
		Havana	Cuba	50			X	X
9,660	31,06	London	U.K.	250	X	X	X	
		Luanda	Angola	100	X	X	X	X
		Brisbane	Australia	10	X	X	X	X
		Monte Carlo	Monaco					
		Munich	Germany (W)	100				X
			U.S.S.R.	100	X	X	X	X
		R. Liberty		50/250	X	X		X
		Taipei	China Nat.	35	X	X	X	X
		Salonika	Greece					X
		Rhodes	Greece	50	X			
		Arganda	Spain	50/100	X	X	X	X
		Warsaw	Poland	60	X	X	X	X
		Caracas	Venezuela	12				
		Algiers	Algeria	100	X	X		X
		Delano	U.S.A.	250				X
		Bethany	U.S.A.	140	X			
		Dixon	U.S.A.	250	X			
		Sines	Portugal			X		X
		Tangier	Morocco	100			X	

MHz	Metres	Station	Country	kW	M	J	S	D
		Kinshasa	Zaire Rep.					
9.665	31.04	Perth	Australia	10	X	X	X	X
		Shepparton	Australia					
		Kajang	Malaysia	50	X	X		
		Brasilia	Brazil	7.5	X	X	X	X
		Nairobi	Kenya	100	X	X	X	X
			U.S.S.R.	100/240		X	X	X
		Julich	Germany (W)	100		X		
		Sines	Portugal	250	X	X		
		Monte Carlo	Monaco	100		X	X	X
		Havana	Cuba	50	X			
		Iquitos	Peru	1				X
		Berlin	Germany (E)					
9.670	31.02	Greenville	U.S.A.	250/500	X	X	X	X
		Belmont	U.S.A.	250			X	X
		Hue	Viet Nam	20	X	X	X	X
		Montevideo	Uruguay	10	X	X	X	X
		Jeddah	Saudi Arabia	100	X			
		Tokyo	Japan	200	X	X	X	X
			U.S.S.R.					
		Horby	Sweden					
		Colombo	Ceylon	10	X	X	X	
		Kavalla	Greece	250				X
		Madrid	Spain	100	X			
		Sines	Portugal	250			X	X
		Delhi	India	250		X		
		Julich	Germany (W)				X	
		Munich	Germany (W)	100				X
9.675	31.01	P. Alegre	Brazil	7.5	X	X	X	X
		Tokyo	Japan	50/100	X	X	X	X
			U.S.S.R.	100	X	X		X
		Warsaw	Poland	100	X	X	X	X
		Delhi	India	100	X	X	X	X
		Cairo	Egypt	100	X	X		X
		Karachi	Pakistan	50		X		
		Gedja	Ethiopia	100				X
		Lima	Peru	1.5				
9.680	31.99	London	U.K.	250		X		
		Monte Carlo	Monaco	100	X	X	X	X
		Meyerton	South Africa	100	X	X	X	X
		Shepparton	Australia	100				X
		Lyndhurst	Australia	10	X	X	X	X
		R. Liberty		250	X	X	X	X
		Montevideo	Uruguay	10	X	X	X	X
		Wien	Austria	100				X
		Tangier	Morocco	50/100		X		X
		Havana	Cuba	50/10	X		X	X
		Gedja	Ethiopia	100	X			
		Munich	Germany (W)	100	X	X		
		Salonika	Greece	35			X	
		Kavalla	Greece	250				

MHz	Metres	Station	Country	kW	M	J	S	D
			Venezuela					
		Arequipa	Peru					
		Karachi	Pakistan					
9.685	30.98	Algiers	Algeria	50	X	X		X
		Monrovia	Liberia	250				
			U.S.S.R.	50/240	X	X	X	X
		P. City	Panama	1	X	X	X	X
		Sao Paulo	Brazil	7.5	X	X	X	X
		Taipei	China Nat.	25	X	X	X	X
		Scituate	U.S.A.	50			X	X
		Jerusalem	Israel				X	
		Bogota	Colombia	25				X
		Greenville	U.S.A.					
			China Rep.					
9.690	30.96	London	U.K.		X	X	X	X
		Limassol	Cyprus	100	X	X	X	X
		Tebrau	Malaysia	250				X
		Wertachtal	Germany (W)					X
		Julich	Germany (W)	100	X	X	X	X
			U.S.S.R.	100	X	X		X
		Buenos Aires	Argentine	100	X	X	X	X
		Delhi	India	100	X	X	X	
		Aligarh	India	100			X	X
		Taipei	China Nat.	10	X	X	X	X
		Tananarive	Malagasy Rep.	30	X	X	X	
		Scituate	U.S.A.					X
		Kigali	Rwanda	250	X	X	X	X
		Bucharest	Rumania	18/120	X	X	X	X
		Ikorodu	Nigeria	100	X	X	X	X
		Wien	Austria		X	X	X	X
		Malolos	Philippines		X			
9.695	30.94	Delhi	India	100	X	X	X	X
		Gedja	Ethiopia	100	X	X		X
		Manaos	Brazil	7.5	X	X	X	X
		R.F.E.		10/50	X	X	X	X
		Rarotonga	Cook Is.	2	X	X	X	X
		Meyerton	South Africa	250	X	X	X	X
		Lisbon	Portugal	250		X	X	
			U.S.S.R.			X		
		Abu Dhabi	Persian Gulf	120				
		Noblejas	Spain	350			X	
		Monte Carlo	Monaco	100				X
9.700	30.93	Libreville	Gabon Rep.	100	X	X		
		Delano	U.S.A.	100	X	X	X	X
		Sofia	Bulgaria	100/120	X	X	X	X
		Paris	France	100	X	X	X	X
		Cairo	Egypt	100	X	X		X
			U.S.S.R.		X			
		Noblejas	Spain	350		X	X	X
		Darwin	Australia	250			X	X
		Kigali	Rwanda	250				

MHz	Metres	Station	Country	kW	M	J	S	D
		Sackville	Canada					
9.705	30.91	London	U.K.	250		X		
		Meyerton	South Africa	250	X	X	X	X
		Addis Ababa	Ethiopia	100	X	X	X	X
		Aligarh	India	250				
		Delhi	India	10/100	X	X	X	X
		R.F.E.		10	X	X	X	X
		Rio de Janeiro	Brazil		X	X	X	X
		Tokyo	Japan	20	X	X	X	X
		Niamey	Niger	30	X	X	X	X
		Tangier	Morocco	100			X	X
		Mexico City	Mexico					
		Greenville	U.S.A.	250				X
9.710	30.90	Tarapoto	Peru	1				X
		Tangier	Morocco	50/100				X
		Buenos Aires	Argentine	6	X	X	X	X
		Forest Side	Mauritius	10	X	X	X	
		Managua	Nicaragua	1	X	X		
		Penang	Malaysia	10	X	X	X	
			U.S.S.R.	240	X	X	X	X
		Rome	Italy	100	X	X	X	X
		Salonika	Greece	35	X	X	X	X
		Quito	Ecuador	100	X	X	X	X
9.715	30.88	London	U.K.	250		X		
		Horby	Sweden					
		Quito	Ecuador	100	X	X	X	X
			Philippines	10/50	X	X	X	X
		Brazzaville	Congo Rep. W	50		X	X	X
		Monte Carlo	Monaco					X
		Hilversum	Netherlands	100	X	X	X	X
			U.S.S.R.	100	X	X		X
		Sucre	Bolivia	2	X	X	X	X
		Bonaire	Neth. Antilles	300	X	X	X	X
		Warsaw	Poland	30	X	X	X	X
		Tangier	Morocco	50	X		X	X
		Scituate	U.S.A.	100	X	X	X	X
		Tirane	Albania					
9.720	30.86	Meyerton	South Africa	100	X		X	X
		Colombo	Ceylon	10	X	X	X	X
			U.S.S.R.	120	X	X	X	X
		Rio de Janeiro	Brazil	10	X	X	X	X
		Riyadh	Saudi Arabia		X			
		Mexico City	Mexico	10				X
		Quito	Ecuador	100		X	X	X
		Noblejas	Spain	350			X	
		Rangoon	Burma					
9.725	30.85	Tebrau	Malaysia	7.5	X	X	X	X
		Greenville	U.S.A.	50	X	X	X	X
		Jerusalem	Israel	7.5	X	X	X	X
		R.F.E.		10	X	X	X	X
		Algiers	Algeria	50	X	X		X

MHz	Metres	Station	Country	kW	M	J	S	D
		Gedja	Ethiopia	100	X	X	X	
		Horby	Sweden		X	X		
		Rangoon	Burma	50	X	X	X	X
		Berlin	Germany (E)			X	X	
9.730	30.83		China Rep.					
		Dixon	U.S.A.	100	X	X	X	X
		Berlin	Germany (E)	50	X	X	X	X
		Bizam Radio						
		Darwin	Australia	250				
			U.S.S.R.					
		Porto Alegre	Brazil	7.5	X	X	X	X
		Bonaire	Neth. Antilles	50	X	X	X	X
		Addis Ababa	Ethiopia	100		X	X	X
9.735	30.82	London	U.K.	100	X	X	X	X
		Ascuncion	Paraguay	3	X	X	X	X
		Wertachtal	Germany (W)	500				X
		Julich	Germany (W)	100	X	X	X	X
		Kigali	Rwanda	250	X	X	X	X
			U.S.S.R.	240	X	X	X	X
		Bonaire	Neth. Antilles					
		Cairo	Egypt	100	X			
		Monrovia	Liberia	250	X	X	X	X
		Islamabad	Pakistan	100		X	X	X
		Tokyo	Japan	100	X		X	X
		Monte Carlo	Monaco	100	X	X	X	X
		Darwin	Australia	250			X	X
9.740	30.80	London	U.K.	250	X	X		
		Tebrau	Malaysia	7.5/250	X	X	X	X
		Bethany	U.S.A.	175				X
		Bangkok	Thailand					
		Buenos Aires	Argentine	10	X	X	X	X
		Delhi	India	20/50	X	X	X	X
		Lisbon	Portugal	100	X	X	X	X
			U.S.S.R.	120	X	X		X
		Tangier	Morocco	35/100			X	X
		Monrovia	Liberia	250				X
		Cairo	Egypt	100	X	X		X
		Talata Volon	Malagasy Rep.	300				
		Munich	Germany (W)	100			X	
		Monte Carlo	Monaco					
9.745	30.79	Bamako	Mali	50		X	X	X
			U.S.S.R.	250	X	X	X	X
		Quito	Ecuador	30	X	X	X	X
		Sao Paulo	Brazil	7.5	X	X	X	X
		Djakarta	Indonesia	5	X	X	X	X
		Taipei	China Nat.	7.5	X	X	X	X
		Tirane	Albania					
		Baghdad	Iraq	100			X	X
		Horby	Sweden	100				X
		Wien	Austria	100	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Sackville	Canada	250				X
9.750	30.77	London	U.K.	100/250	X	X	X	X
		Monrovia	Liberia	250	X	X	X	X
		R. Liberty		250	X	X	X	X
		Karachi	Pakistan	50	X	X	X	X
		Islamabad	Pakistan	100				
		Rawalpindi	Pakistan					
		Madras	India	100	X	X	X	X
			U.S.S.R.				X	
		Quito	Ecuador					
			Philippines	50	X		X	X
		Schwarzenburg	Switzerland	100	X		X	X
		Dar-es-Salaam	Tanzania	50	X	X	X	X
		Tirane	Albania					
		Sofia	Bulgaria	50/120		X	X	X
		Monte Carlo	Monaco					
		Peking	China Rep.					
		Saigon	Viet Nam					
9.755	30.75	Cairo	Egypt	100	X	X		X
		Goiania	Brazil	7.5	X	X	X	X
			U.S.S.R.	100/240	X	X	X	
		Saigon	Viet Nam	10	X	X	X	X
		Berlin	Germany (E)	100				X
		Wellington	New Zealand	7.5	X	X	X	X
		Greenville	U.S.A.	500				X
		Bethany	U.S.A.	250	X	X	X	X
		Delhi	India	100	X	X	X	X
		Warsaw	Poland	30	X	X	X	X
		Tirane	Albania					
		Mahe	Seychelles	50			X	X
9.760	30.74	London	U.K.	250		X	X	X
		Greenville	U.S.A.	250				X
		Tangier	Morocco	100			X	X
		Ejura	Ghana	250	X	X	X	X
			U.S.S.R.		X			X
		Madrid	Spain	20/50	X	X	X	X
		Havana	Cuba				X	X
		Managua	Nicaragua		X	X		
		Munich	Germany (W)	100	X	X	X	
		Tokyo	Japan	10	X	X	X	X
		Buenos Aires	Argentine	20			X	
		Tirane	Albania					
		Saigon	Viet Nam					
			Philippines	50	X	X	X	X
		Delhi	India	100	X		X	X
9.765	30.72	London	U.K.	100/250	X	X	X	X
		Delhi	India	20	X	X	X	X
		Julich	Germany (W)	100	X	X	X	X
			U.S.S.R.	100	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Taipei	China Nat.	50	X	X	X	
		Tokyo	Japan	100	X	X	X	
		Djakarta	Indonesia	100	X	X	X	X
		Sines	Portugal	250	X	X	X	X
		Wien	Austria	100	X	X	X	X
		Havana	Cuba					
		Algiers	Algeria	100				X
		Talata Volon	Malagasy Rep.	300				X
9.770	30.71	London	U.K.	100	X	X	X	X
		Limassol	Cyprus				X	
		Cap Haitien	Haiti	2.5	X	X	X	
		Djakarta	Indonesia	20	X	X	X	X
		Greenville	U.S.A.	500	X	X	X	X
		Iquitos	Peru	1				
		Cairo	Egypt	100	X	X		X
		Montevideo	Uruguay	10	X	X	X	X
		Rio de Janeiro	Brazil	10	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		Wien	Austria	100	X	X	X	X
			Philippines	100/250		X	X	
		Kinshasa	Zaire Rep.	10	X	X	X	X
		Tangier	Morocco	100				X
		Karachi	Pakistan					
9.775	30.69	Moscow	U.S.S.R.	200				
		Peking	China Rep.					
		Tirane	Albania					
		V. of Truth						
		Taipei	China Nat.					
9.780	30.67	Moscow	U.S.S.R.					
		Tirane	Albania	240				
9.785	30.66	Peking	China Rep.					
		Moscow	U.S.S.R.	50/100				
9.790	30.64	Peking	China Rep.					
		Tirane	Albania	240				
		Moscow	U.S.S.R.					
		Djakarta	Indonesia					
9.795	30.63	Kazan	U.S.S.R.	100				
		Tirane	Albania	240				
		Peking	China Rep.					
9.800	30.61	Moscow	U.S.S.R.	100				
		Peking	China Rep.					
9.805	30.59	Cairo	Egypt	250				
9.810	30.58	Moscow	U.S.S.R.					
9.820	30.55	Peking	China Rep.					
9.825	30.53	London	U.K.					
9.830	30.51	Cairo	Egypt	100				
9.833	30.50	Budapest	Hungary	100				
		Espana Independiente		15				
9.838	30.49	Hanoi	Viet Nam	100				
9.840	30.49	Baku	U.S.S.R.					

MHz	Metres	Station	Country	kW
9.845	30.47	Omdurman	Sudan	
9.850	30.46	Cairo	Egypt	100
		Dacca	Bangla Desh	
		Rawalpindi	Pakistan	
		Moscow	U.S.S.R.	
9.854	30.44	London	U.K.	
9.855	30.44		Turkey	
9.858	30.42	London	U.K.	
9.860	30.43	Peking	China Rep.	120
9.870	30.38	Peking	China Rep.	120
		Dacca	Bangla Desh	
9.880	30.36	Moscow	U.S.S.R.	
		Peking	China Rep.	
9.890	30.32	Peking	China Rep.	
9.900	30.28	Peking	China Rep.	
			U.S.S.R.	
9.910	30.27	Peking	China Rep.	
9.912	30.26	Delhi	India	10
9.915	30.26	London	U.K.	
		Moscow	U.S.S.R.	
9.920	30.24	Peking	China Rep.	
		Liberation Radio		10
9.925	30.23	Peking	China Rep.	
9.930	30.21	Peking	China Rep.	
9.933	30.20	R.N.Sea Int.		
		Peking	China Rep.	
9.940	30.18	Peking	China Rep.	
9.945	30.17	Peking	China Rep.	120
9.965	30.10	Peking	China Rep.	
9.985	30.05	Hanoi	Viet Nam	
9.988	30.02	V.of N.U.F.K.		
10.000	30.00	Rugby Freq. Std.	U.K.	
		Boulder Freq. Std.	U.S.A.	
		Buenos Aires Freq. Std.	Argentine	
		Geneva Freq. Std.	Switzerland	
		Honolulu Freq. Std.	Hawaii	
		Moscow Freq. Std.	U.S.S.R.	
		Peking Freq. Std.	China Rep.	
		Tokio Freq. Std.	Japan	
10.010	29.94	Liberation Radio		
10.040	29.88	Hanoi	Viet Nam	
10.065	29.83	A. Forces Radio	Israel	
			U.S.S.R.	
10.080	29.76	V. of N.U.F.K.		
10.110	29.64	Espana Independiente		18
10.150	29.55	Hanoi	Viet Nam	
10.175	29.50	Peking	China Rep.	
		Hanoi	Viet Nam	

MHz	Metres	Station	Country	kW
10.208	29.42	Peking	China Rep.	
10.225	29.40	Liberation Radio		
10.232	29.36	Hanoi	Viet Nam	
10.260	29.24	Peking	China Rep.	50
10.335	29.03	Delhi	India	
10.340	29.01	Moscow	U.S.S.R.	
10.420	28.80	R.F.E.		
10.440	28.75	Peking	China Rep.	
10.454	28.70	Greenville	U.S.A.	
10.530	28.49	Alma Ata	U.S.S.R.	50
		Urumchi	China Rep.	
10.555	28.30	Peking	China Rep.	
10.620	28.25		U.S.S.R.	
10.650	28.20	Ulan Bator	Mongolian Rep.	50
10.660	28.15	Peking	China Rep.	
10.700	28.00		U.S.S.R.	
10.740	27.93	Moscow	U.S.S.R.	
10.800	27.80			
10.850	27.70			
10.855	27.70	R.F.E.		
10.860	27.66	Moscow	U.S.S.R.	
10.865	27.61	Peking	China Rep.	
10.975	27.30		U.S.S.R.	
11.052	27.10		U.S.S.R.	
11.100	27.03	Peking	China Rep.	
11.120	26.97	Peking	China Rep.	
11.200	26.78	Moscow	U.S.S.R.	
11.205	26.76	Peking	China Rep.	
11.211	26.74		U.S.S.R.	
11.257	26.67		U.S.S.R.	
11.260	26.66	Espana Independiente		
11.280	26.60	Peking	China Rep.	
11.290	26.57	Peking	China Rep.	
11.320	26.52	Air Force Stn.	Indonesia	25
11.330	26.48	Peking	China Rep.	
11.340	26.47	Peking	China Rep.	
11.350	26.43	Peking	China Rep.	
		Pyongyang	Korea (N)	
11.375	26.40	Peking	China Rep.	
11.413	26.33	Peking	China Rep.	
11.415	26.32	Peyk-e-Iran		50
11.445	26.23	Peking	China Rep.	
11.455	26.20	Peking	China Rep.	120
11.480	26.09		U.S.S.R.	
11.490	26.08	R. Free Russia		
11.500	26.07	Peking	China Rep.	
11.505	26.05	Peking	China Rep.	
11.510	26.06	R. Free Portugal		15
11.515	26.05	Peking	China Rep.	
11.526	26.02	Peking	China Rep.	

MHz	Metres	Station	Country	kW	M	J	S	D
11.530	25.95	V. People of Burma						
11.570	25.93	Moscow	U.S.S.R.					
11.585	25.90		U.S.S.R.					
11.590	25.88	Peking	China Rep.					
11.595	25.87	Peking	China Rep.					
11.600	25.86	Peking	China Rep.	120				
		Dacca	Bangla Desh					
11.618	25.82	Dacca	Bangla Desh					
11.620	25.81	Peking	China Rep.					
		Delhi	India	100				
11.630	25.79	Cairo	Egypt	100				
		Moscow	U.S.S.R.	240				
		Peking	China Rep.					
11.635	25.77	Dacca	Bangla Desh					
11.650	25.75	Dacca	Bangla Desh					
		Peking	China Rep.	240				
			Mongolian Rep.	50				
11.655	25.74	Peking	China Rep.					
11.660	25.73	Peking	China Rep.					
11.665	25.72	Peking	China Rep.					
11.670	25.71	Hargeisa	Somalia	10				
11.672	25.70	Karachi	Pakistan	50				
		Dacca	Bangla Desh					
11.675	25.70	Peking	China Rep.	240				
11.680	25.68	London	U.K.					
11.685	25.67	Peking	China Rep.	240				
			U.S.S.R.					
11.690	25.66	Erivan	U.S.S.R.	50				
		Moscow	U.S.S.R.					
11.695	25.65	Peking	China Rep.	120/240				
		Peyk-e-Iran		100				
11.700	25.64	Kiev	U.S.S.R.	50				
		Berlin	Germany (E)					
		Vatican	Vatican City	100				
		Peking	China Rep.					
		Monte Carlo	Monaco					
11.705	25.63	London	U.K.	250	X	X	X	
		Ascension	Ascension	250	X	X	X	
		Bonaire	Neth. Antilles	50		X	X	
		Greenville	U.S.A.	500				X
		Horby	Sweden	100	X	X	X	X
			U.S.S.R.	50/240	X	X	X	X
		Berlin	Germany (E)	100		X		X
		Tokyo	Japan	100	X	X	X	X
		Vatican	Vatican City	100	X	X	X	X
		Monte Carlo	Monaco	100	X	X	X	X
		Wellington	New Zealand	7.5		X	X	X
		Karachi	Pakistan	100	X	X	X	
		Islamabad	Pakistan	100				X
		Rawalpindi	Pakistan					
		Sines	Portugal	250				

MHz	Metres	Station	Country	kW	M	J	S	D
		Quezaltenango	Guatemala	1			X	X
		Beirut	Lebanon	100				X
		Sackville	Canada	250		X		
11.710	25.62	London	U.K.	250	X	X	X	X
		Brazzaville	Congo Rep. W.	50	X	X	X	
		Buenos Aires	Argentine	100	X	X	X	X
		Brussels	Belgium	100				X
		Madrid	Spain	100	X	X	X	X
		Delhi	India	20/100	X	X	X	X
		Aligarh	India	250				X
		Shepparton	Australia	10/50	X	X	X	X
		Tangier	Morocco	35				X
		Monrovia	Liberia	250			X	X
		Gunsan	Korea (S)	0.3	X	X	X	X
			U.S.S.R.	120	X	X	X	X
		Sackville	Canada	250		X		
		Greenville	U.S.A.	50/250				X
		Munich	Germany (W)	100		X		
		Warsaw	Poland	40	X	X	X	X
		Salonika	Greece	35	X	X	X	X
		Gedja	Ethiopia	100	X		X	
11.715	25.61	Warsaw	Poland	60	X	X	X	X
		Brussels	Belgium	100	X	X	X	X
		Berne	Switzerland	150	X	X	X	X
		Delhi	India	100	X	X	X	X
		Djakarta	Indonesia	100	X	X	X	X
			U.S.S.R.	240	X	X	X	X
			Philippines	250	X	X	X	X
		Monte Carlo	Monaco	100				X
		Algiers	Algeria	100	X	X		X
		Wien	Austria	100			X	
		Havana	Cuba	100				
11.720	25.60	Limassol	Cyprus	20	X	X	X	X
		Vatican	Vatican City	100	X	X		
		Athens	Greece	7.5	X			X
		Brasilia	Brazil	10	X	X	X	X
		Kinshasa	Zaire Rep.	10	X	X	X	X
			U.S.S.R.	50	X	X	X	X
		Sackville	Canada	50/250	X	X	X	X
		Peking	China Rep.					
		Berne	Switzerland	100/500	X	X	X	X
		Djakarta	Indonesia					
		Brazzaville	Congo Rep. W.					
11.725	25.59	London	U.K.	100				
		Taipei	China Nat.	50			X	X
		Warsaw	Poland	40	X	X	X	X
		Vatican	Vatican City	100	X	X	X	X
		Brussels	Belgium			X		
		Brazzaville	Congo Rep. W.	50	X	X	X	
		R.F.E.		50/250	X	X	X	X
		Delhi	India	100	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Sofia	Bulgaria	50				X
		R. Liberty		50			X	X
		Wien	Austria	100	X	X	X	X
		Paris	France	100				X
		Caracas	Venezuela					
11.730	25.58	Hilversum	Netherlands	100	X	X	X	X
			Philippines	50/250	X	X	X	X
		Talata Volon	Malagasy Rep.	300				X
		Kuwait	Kuwait	250				
			U.S.S.R.	100	X	X		X
		Peking	China Rep.					
		Bonaire	Neth. Antilles	300	X	X	X	X
		Greenville	U.S.A.	50/500		X	X	X
		Brussels	Belgium		X			
11.735	25.56		U.S.S.R.	100/240	X	X	X	X
		Beograd	Yugoslavia	10/100		X	X	X
		Fredrikstad	Norway	100		X		
		Goiania	Brazil	7.5	X	X	X	X
		Brussels	Belgium	100	X	X		
		Gedja	Ethiopia	100		X	X	X
		Montevideo	Uruguay	5	X	X	X	X
		Tangier	Morocco	50	X	X	X	X
		Rabat	Morocco	100	X			
		Teheran	Iran	100		X	X	
		Wien	Austria		X			
		Quito	Ecuador	100	X	X	X	X
		Peking	China Rep.					
		Monte Carlo	Monaco		X			
		Havana	Cuba	50		X	X	X
		Bombay	India	100				X
11.740	25.55	Ascension	Ascension	250		X		
		London	U.K.	250/100		X	X	X
		Djakarta	Indonesia	50	X	X	X	X
		Delhi	India	50/250	X	X	X	X
		Aligarh	India	250	X	X	X	X
		Mexico City	Mexico	5	X		X	X
		Monrovia	Liberia	250	X	X		
			U.S.S.R.	50	X	X		X
		Ekala	Ceylon	35			X	
		Peking	China Rep.					
		Shepparton	Australia	100	X	X	X	X
		Vatican	Vatican City	100	X	X	X	X
		Greenville	U.S.A.	50/250			X	X
		Bethany	U.S.A.	250	X	X	X	X
		Monte Carlo	Monaco	100			X	
		Chile	Chile					
		L. Marques	Mozambique		X	X		
			Philippines	50				X
11.745	25.54	Cairo	Egypt	100	X	X		X
			U.S.S.R.	240	X	X	X	X
		Sao Paulo	Brazil	7.5	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Vatican	Vatican City	100	X	X		
		Paris	France	100	X	X	X	X
		Quito	Ecuador	100	X	X	X	X
		Godthaab	Greenland	1	X	X	X	X
		Gedja	Ethiopia	100		X		X
		Tirane	Albania					
11.750	25.53	London	U.K.	250	X	X	X	X
			Ascension			X		
		Tebrau	Malaysia	7.5/75	X	X	X	X
		Makassar	Indonesia	1.5	X	X	X	X
		Tokyo	Japan	1/10	X	X	X	X
			U.S.S.R.	100		X		X
		Concepcion	Paraguay	3	X	X	X	X
		Brussels	Belgium	100			X	X
11.755	25.52	Buenos Aires	Argentine	7	X	X	X	X
		Tripoli	Libya	100	X	X	X	X
			U.S.S.R.	100/240	X	X	X	X
		Warsaw	Poland	30	X	X	X	X
		Pori	Finland	15	X	X	X	X
		Brussels	Belgium	50			X	
		Bonaire	Neth. Antilles	50			X	
		Pyongyang	Korea (N)					
11.760	25.51	Limassol	Cyprus			X	X	X
		Greenville	U.S.A	50/500	X		X	X
			Philippines	50/250	X	X	X	X
			U.S.S.R.	100	X	X	X	
		Tangier	Morocco	35	X	X	X	X
		Vatican	Vatican City	100	X	X		
		Salonika	Greece	35	X	X	X	X
		Rarotonga	Cook Is.	2	X	X	X	X
		Havana	Cuba	100	X	X	X	X
		Warsaw	Poland					
		Darwin	Australia	250			X	X
		Monte Carlo	Monaco	100				X
11.765	25.50		U.S.S.R.	50/100				X
		Delhi	India	100	X	X	X	X
		Quito	Ecuador	100	X	X	X	X
		La Paz	Bolivia	10	X	X	X	
		Julich	Germany (W)	100	X	X	X	X
		Sao Paulo	Brazil	10/25	X	X	X	X
		Sofia	Bulgaria	50	X	X	X	X
		Berlin	Germany (E)	50/100	X			
		Schwarzenburg	Switzerland	500	X			X
		Shepparton	Australia	50/100	X	X	X	X
		Beira	Mozambique	100	X	X	X	X
		Warsaw	Poland					
11.770	25.49	London	U.K.	100/250	X	X	X	X
		Limassol	Cyprus	100		X		X
		Djakarta	Indonesia	20	X	X	X	X
		Ikorodu	Nigeria	100	X	X	X	

MHz	Metres	Station	Country	kW	M	J	S	D
			U.S.S.R.	100		X	X	
		R. Liberty		100	X	X	X	X
		Gedja	Ethiopia	100	X			
		Monrovia	Liberia	250				X
		Mexico City	Mexico					
11.775	25.48	Berne	Switzerland	150	X	X	X	X
		Aligarh	India	250		X	X	X
		Delhi	India	100	X	X		
			U.S.S.R.	240	X	X	X	X
		La Paz	Bolivia	10	X	X	X	
			Philippines	50	X	X	X	X
		Bucharest	Rumania	18/120	X	X	X	X
		Beirut	Lebanon		X			
		Noblejas	Spain	350		X	X	X
		Quito	Ecuador	100		X	X	X
		Paris	France	100				X
		Greenville	U.S.A.	50				X
11.780	25.47	London	U.K.	100	X	X	X	X
		Limassol	Cyprus	100	X	X	X	
		Buenos Aires	Argentine	8	X	X	X	X
		L. Marques	Mozambique	7.5	X	X	X	X
		Tokyo	Japan	100	X	X	X	X
		Wellington	New Zealand	7.5		X	X	X
		Peking	China Rep.					
		Greenville	U.S.A.	500				X
			U.S.S.R.					
		Sackville	Canada		X			
		Mexico City	Mexico	10				X
		Quito	Ecuador	100				
		Horby	Sweden	100	X	X	X	X
		Bonaire	Neth. Antilles	50			X	X
		Prague	Czechoslovakia	100				X
11.785	25.46		U.S.S.R.	100/240	X	X	X	X
		Kigali	Rwanda	250	X	X	X	X
		Berlin	Germany (E)	50/100		X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Wertachtal	Germany (W)	500				
		Porto Alegre	Brazil	7.5	X	X	X	X
		Wien	Austria	100	X	X	X	X
		Baghdad	Iraq	100		X		X
			Philippines	50/250	X	X	X	X
		Hilversum	Netherlands	100	X	X	X	
		Peking	China Rep.					
		Bonaire	Neth. Antilles	50/300	X	X	X	X
		Bucharest	Rumania	18				X
		Kabul	Afganistan	50				
		Talata Volon	Malagasy Rep.	300				
11.790	25.45	Brussels	Belgium	100	X	X	X	
		Bonaire	Neth. Antilles	50	X			
		Greenville	U.S.A.	250			X	X
		Kabul	Afghanistan	50/100	X		X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Warsaw	Poland	100	X	X	X	X
		Delhi	India	100	X	X	X	X
		Aligarh	India	250	X	X	X	X
			U.S.S.R.	100/240	X	X	X	
		Shepparton	Australia	100	X	X	X	X
		Tangier	Morocco	35/100	X		X	
			Philippines	250		X	X	
		Meyerton	South Africa	100		X	X	X
		Bucharest	Rumania	18				X
		Djakarta	Indonesia	50	X	X	X	X
		Peking	China Rep.					
		Wien	Austria	100	X	X	X	X
		Horby	Sweden	100	X		X	
		Monte Carlo	Monaco	100		X		
		Noblejas	Spain	350		X		X
11.795	25.43	Tripoli	Libya	100	X	X	X	X
		Djakarta	Indonesia	25	X	X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Wertachtal	Germany (W)	500				
		Kinshasa	Zaire Rep.	10	X	X	X	X
		Red Lion	U.S.A.	50	X	X	X	X
		Rio de Janeiro	Brazil	10	X	X	X	X
		Addis Ababa	Ethiopia	100	X	X	X	X
		Berlin	Germany (E)	100		X	X	X
			U.S.S.R.		X	X	X	X
		Brussels	Belgium	100	X			
		Peking	China Rep.					
		Bogota	Colombia	25				X
		Berne	Switzerland		X			
		Sines	Portugal	250		X	X	X
		Amman	Jordan					
		Colombo	Ceylon	100				X
11.800	25.42	Ejura	Ghana	250	X	X	X	X
		Colombo	Ceylon	100	X	X	X	X
		Las Mesas	Canary Is.	50	X	X	X	X
		Prague	Czechoslovakia	100	X	X	X	X
		Peking	China Rep.					
		Rome	Italy	60	X	X	X	X
		Warsaw	Poland	40/100	X	X	X	X
		Gedja	Ethiopia	100	X	X	X	X
			U.S.S.R.					
11.805	25.41	London	U.K.	250			X	X
		Cairo	Egypt	100	X	X		X
		Delano	U.S.A.	50/250	X	X	X	X
		Greenville	U.S.A.	50				X
		Scituate	U.S.A.	100	X	X	X	
		Monrovia	Liberia					
			U.S.S.R.	50	X	X	X	X
			Philippines	50/250	X	X	X	X
		Salonika	Greece	35	X	X	X	X
		Rio de Janeiro	Brazil	10	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Tangier	Morocco	50	X	X	X	
		Dacca	Bangla Desh					
11.810	25.40	Bethany	U.S.A.	250				X
		Gedja	Ethiopia	100	X			X
		Amman	Jordan	5	X	X	X	X
		Algiers	Algeria	50	X	X		X
		Bucharest	Rumania	18/120	X	X	X	X
		Delhi	India	100	X	X		
		Aligarh	India	100/250			X	X
		Rome	Italy	60/100	X	X	X	X
		Shepparton	Australia	100	X		X	X
		Darwin	Australia	250		X		
			U.S.S.R.	100/240	X	X	X	X
		Meyerton	South Africa	100	X		X	
		Berlin	Germany (E)	100	X	X	X	
		Ulan Bator	Mongolian Rep.	50	X	X	X	
		Beirut	Lebanon	100				X
		Wertachtal	Germany (W)	500				X
		Vatican	Vatican City	100			X	X
11.815	35.39	Warsaw	Poland	100	X	X	X	X
		Bonaire	Neth. Antilles	260		X	X	X
		Goiania	Brazil	7.5	X	X	X	X
		R.F.E.		250	X	X	X	X
		Tokyo	Japan	100	X	X	X	X
			U.S.S.R.		X			
		Monrovia	Liberia	250				X
		Monte Carlo	Monaco	100	X		X	
11.820	25.38	Ascension	Ascension	250	X	X	X	X
		Berlin	Germany (E)	100		X	X	
		Hermossillo	Mexico	1	X		X	
		Bonaire	Neth. Antilles	50/260	X	X	X	X
		L. Marques	Mozambique	25	X		X	X
			U.S.S.R.	100/120	X	X	X	X
		Peking	China Rep.					
			Pakistan					
11.825	25.37	Horby	Sweden	100		X	X	
		Bogota	Colombia	25				X
			U.S.S.R.	50	X	X	X	
		Karachi	Pakistan	50				
		Islamabad	Pakistan	100				
		Papeete	Tahiti	20	X	X	X	X
		R.F.E.		50/100	X	X	X	X
		Recife	Brazil	10	X	X	X	X
		Taipei	China Nat.	25	X	X	X	X
		Sulaibiyah	Kuwait	250				X
11.830	25.36	V. of Malayan Rev.						
		London	U.K.	100		X		X
		Okinawa	Ryukyu Is.	35/100	X	X	X	
		Greenville	U.S.A.	50/250	X	X	X	X
		Delano	U.S.A.	250	X			X
		Dixon	U.S.A.	100	X	X	X	

MHz	Metres	Station	Country	kW	M	J	S	D
		Bethany	U.S.A.	250	X	X	X	
		Monrovia	Liberia	250				X
		Havana	Cuba	10				X
		Bombay	India	100	X	X	X	X
			U.S.S.R.	240	X	X	X	X
			Philippines	100/250	X	X	X	X
		Berne	Switzerland		X			
		Quito	Ecuador					
		Karachi	Pakistan					
11.835	25.35	Algiers	Algeria	100	X	X		X
		Cap Haitien	Haiti	2.5	X	X	X	
		Colombo	Ceylon	10/35	X	X	X	X
		Omdurman	Sudan	50	X	X	X	X
		Montevideo	Uruguay	5	X	X	X	X
			U.S.S.R.	50	X	X	X	X
11.840	25.34	London	U.K.	250	X	X		X
		Berlin	Germany (E)	100	X	X		
		Lisbon	Portugal	100	X	X	X	X
		Darwin	Australia	250				X
		Shepparton	Australia	10	X	X	X	X
		Warsaw	Poland	40/100	X	X	X	X
			U.S.S.R.					
		Paris	France	100				X
		Salonika	Greece	35	X	X	X	
		Dixon	U.S.A.	100/250	X	X	X	X
		Delano	U.S.A.	250				X
		Greenville	U.S.A.	50		X	X	
		Tangier	Morocco	35		X		X
		Havana	Cuba	10	X	X	X	X
		Tokyo	Japan	100	X	X	X	X
		Tirane	Albania					
		Hanoi	Viet Nam					
		Noblejas	Spain	350			X	
11.845	25.33	London	U.K.					
		Greenville	U.S.A	250	X		X	X
		Bethany	U.S.A.	175				X
			U.S.S.R.	50	X	X	X	X
		Montevideo	Uruguay	10	X	X	X	X
		Paris	France	100	X	X	X	X
		L. Marques	Mozambique	100	X	X	X	X
		Peking	China Rep.					
		Tangier	Morocco	35/100		X		X
		Lopik	Netherlands		X	X	X	X
		Kuwait	Kuwait	250	X		X	
		Rhodes	Greece	50		X		
		Sackville	Canada	250			X	
		Tirane	Albania					
11.850	25.32	Tebrau	Malaysia		X	X	X	X
		Delano	U.S.A.	250		X	X	
		Dixon	U.S.A.	100	X			X

MHz	Metres	Station	Country	kW	M	J	S	D
		Ascuncion	Paraguay	3	X	X	X	X
		Aligarh	India	100/250	X		X	X
		Delhi	India	100	X	X	X	X
		Ejura	Ghana	250	X	X	X	X
		Fredrikstad	Norway	100	X	X	X	X
		Lusaka	Zambia	20	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		Tirane	Albania					
		Bonaire	Neth. Antilles	50/260		X	X	X
		Ulan Bator	Mongolian Rep.	25	X			
		Sackville	Canada	250	X			X
		Julich	Germany (W)	100	X	X	X	X
		Wertachtal	Germany (W)	500				
11.855	25.31		Philippines	50	X	X	X	X
		Bonaire	Neth. Antilles	260	X	X		
		Scituate	U.S.A.	100	X	X	X	X
		Greenville	U.S.A.		X		X	
		Cairo	Egypt	100	X	X		X
		Monte Carlo	Monaco	100				
		Delhi	India	20/100	X	X	X	X
		Jeddah	Saudi Arabia	50	X			
		Gedja	Ethiopia	100	X	X	X	X
		Ulan Bator	Mongolian Rep.	25		X	X	X
			U.S.S.R.					
		Algiers	Algeria					
		Rhodes	Greece	50		X		
		Abu Ghurayb	Iraq	100				
		Wien	Austria	100	X	X	X	X
		Sao Paulo	Brazil					
		Sackville	Canada					
		Beira	Mozambique	25	X	X	X	X
		R. Liberty						
11.860	25.30	London	U.K.				X	
		Ascension	Ascension	250	X	X	X	X
		Beirut	Lebanon	100				
			U.S.S.R.	100/240	X	X	X	X
		Montevideo	Uruguay	10	X	X	X	X
		Taipei	China Nat.	50	X	X	X	X
		Karachi	Pakistan					
		Peking	China Rep.					
		Algiers	Algeria					
		Fredrikstad	Norway	100	X	X	X	X
		Wien	Austria	100	X	X	X	X
		Ulan Bator	Mongolian Rep.	100	X	X	X	X
		Baghdad	Iraq	250		X	X	X
		Noblejas	Spain	350		X		X
		Rhodes	Greece	50			X	X
11.865	25.28	London	U.K.	250	X	X	X	X
		Karachi	Pakistan	50	X	X	X	X
		Berne	Switzerland	100/500	X	X	X	X
		Delhi	India	50	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Recife	Brazil	1/7.5	X	X	X	X
		Lumbumbashi	Zaire Rep.	100	X	X	X	X
		Cairo	Egypt	100	X	X		X
		Tirane	Albania					
		Djakarta	Indonesia	25	X	X	X	X
		Monte Carlo	Monaco	100			X	
		Havana	Cuba	10	X			
		Dixon	U.S.A.	100/250	X	X	X	X
		Julich	Germany (W)	100		X	X	X
		Wertachtal	Germany (W)	500				X
		Gedja	Ethiopia	100	X			
		Sines	Portugal	250	X	X	X	X
		Vatican	Vatican City	100	X	X		
		Sackville	Canada	250		X	X	X
11.870	25.27	London	U.K.	100			X	X
			U.S.S.R.	240	X	X	X	X
		Bombay	India	100	X	X	X	X
		Djakarta	Indonesia	50	X	X	X	X
		Rhodes	Greece	50	X	X	X	X
		Noblejas	Spain	350			X	
		Bonaire	Neth. Antilles					X
		Monte Carlo	Monaco					
11.875	25.26	London	U.K.					
		Rome	Italy	60	X	X	X	X
		Meyerton	South Africa	250	X		X	X
			Philippines	250		X	X	X
		Bucharest	Rumania		X		X	X
		Salvador	Brazil	10	X	X	X	X
		Tokyo	Japan	100	X		X	X
		R. Liberty		50	X	X	X	X
		Berlin	Germany (E)	50	X			
			U.S.S.R.		X			
		Managua	Nicaragua	100		X	X	X
		Luanda	Angola	100	X	X	X	X
		Monte Carlo	Monaco	100		X	X	X
		Gedja	Ethiopia	100				
		Lisbon	Portugal	10		X	X	X
		Brussels	Belgium	100			X	
		Monrovia	Liberia	250				X
11.880	25.25	Port Moresby	Papua					
		Lusaka	Zambia	20	X	X	X	X
		Buenos Aires	Argentine	20	X	X	X	X
		Shepparton	Australia	10/50	X	X	X	X
		Lyndhurst	Australia	10	X	X	X	X
		Mexico City	Mexico	5	X		X	X
			U.S.S.R.	50/240	X	X	X	X
		Belmont	U.S.A.	250				X
		Brussels	Belgium	20			X	X
		Ankara	Turkey	250				X
		Bonaire	Neth. Antilles					
11.885	25.24		U.S.S.R.	50	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Bucharest	Rumania	25/120	X	X	X	X
		Karachi	Pakistan	50	X	X	X	X
		Montevideo	Uruguay	10	X	X	X	X
		Delhi	India	20/100	X	X	X	X
		Aligarh	India	250		X		X
		R.F.E.		100	X	X	X	X
		Rio de Janeiro	Brazil	10	X	X	X	X
		Scituate	U.S.A.	100				X
		Greenville	U.S.A.	250	X			
		Djakarta	Indonesia	20	X	X	X	X
		Meyerton	South Africa	120	X	X	X	X
		Cairo	Egypt	100	X	X		X
11.890	25.23	Berlin	Germany (E)	100		X		
		Addis Ababa	Ethiopia	100	X	X	X	X
			Philippines	50	X	X	X	X
		Bethany	U.S.A	140/250	X	X	X	X
		Scituate	U.S.A.					X
		Greenville	U.S.A.	500	X	X	X	X
			U.S.S.R.	240	X	X	X	X
		Cairo	Egypt	100	X	X		X
		Noblejas	Spain	350		X	X	
11.895	25.22	Dakar	Senegal	100	X	X	X	X
		Delhi	India	20/100	X	X	X	X
		Bombay	India	100	X	X	X	X
		Wertachtal	Germany (W)	500				X
		R.F.E.		250	X	X	X	X
			Philippines	50/250		X	X	X
		Scituate	U.S.A.	100				X
		Talata Volon	Malagasy Rep.	300				
		Horby	Sweden	100	X	X		
		Koebenhavn	Denmark	50		X	X	X
		Vatican	Vatican City					
11.900	25.21		U.S.S.R.	50/240	X	X	X	X
		Meyerton	South Africa	250	X	X	X	X
		Kajang	Malaysia	100	X	X	X	
		Montevideo	Uruguay	20	X	X	X	X
		Greenville	U.S.A.	50/250	X	X		X
		Bethany	U.S.A.	140		X	X	
		Tunis	Tunisia	100				
		Monte Carlo	Monaco		X			
		Ikorodu	Nigeria	100		X		
		Grenada	Brit. W. Indies	100		X	X	X
		Prague	Czechoslovakia					
11.905	25.20	London	U.K.					X
		Limassol	Cyprus	100	X	X	X	X
		Kigali	Rwanda	250	X	X	X	X
		Warsaw	Poland	60	X	X	X	X
		Taipei	China Nat.	3	X	X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Wertachtal	Germany (W)	500				
		Rome	Italy	60/100	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
			U.S.S.R.	50/100	X	X	X	X
		Greenville	U.S.A.	50			X	X
		Monte Carlo	Monaco	100	X	X	X	
		Sines	Portugal	250	X	X	X	X
		Patumthani	Thailand	100	X	X		X
11.910	25.19	Tebrau	Malaysia				X	X
		Limassol	Cyprus	100	X	X	X	X
		Budapest	Hungary	15/100	X	X	X	X
		Quito	Ecuador	100	X	X		X
		Delhi	India	100	X	X	X	X
			Philippines	50	X	X	X	
		Monrovia	Liberia					
		Tangier	Morocco					
			U.S.S.R.	100/140				X
		Gedja	Ethiopia	100	X	X	X	X
		Brussels	Belgium	100				X
		Paris	France	100				X
		Kabul	Afghanistan					
			Australia					
11.915	25.18	London	U.K.	250	X	X	X	
		Cairo	Egypt	100	X	X		X
		Concepcion	Paraguay	3	X	X	X	X
			U.S.S.R.	50		X		
		Porto Alegre	Brazil	7.5	X	X	X	X
		Quito	Ecuador	50/100	X	X	X	X
		Greenville	U.S.A.	50/500	X	X	X	X
		Bethany	U.S.A.	140/175	X			X
		Tangier	Morocco	35/100		X	X	X
		Peking	China Rep.					
		R.F.E.						
11.920	25.17	London	U.K.	250		X		
		Delhi	India	20	X	X	X	X
		Horby	Sweden	100			X	
		Belmont	U.S.A.	250				
			Philippines	50	X	X	X	X
		Bucharest	Rumania	18	X	X	X	X
			U.S.S.R.	50/240	X	X	X	
		Paris	France	100	X	X	X	X
		Abidjan	Ivory Coast	100	X	X		
		Monte Carlo	Monaco	100	X	X		X
		Algiers	Algeria	100				X
		Mahe	Seychelles	50	X	X	X	X
11.925	25.16	London	U.K.	100/250	X	X		
		Limassol	Cyprus	100		X	X	X
		Delhi	India	50/100	X		X	X
		Julich	Germany (W)	100	X	X	X	X
		Wertachtal	Germany (W)	500				
		Lisbon	Portugal	10	X	X	X	X
		Kigali	Rwanda	250		X	X	
		Sao Paulo	Brazil	10	X	X	X	X
			U.S.S.R.	50/150	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Wien	Austria	100	X	X		
		Beirut	Lebanon	100		X	X	
		Ikorodu	Nigeria	100				X
		Peking	China Rep.					
		Tangier	Morocco	35		X	X	X
		Monrovia	Liberia	250			X	X
		Madrid	Spain	100		X	X	X
		Athens	Greece	7.5	X	X	X	
		Sulaibiyah	Kuwait	250			X	X
11.930	25.15	London	U.K.	100				X
		Havana	Cuba	50	X	X	X	X
			U.S.S.R.	240	X	X	X	X
			Philippines	50/250	X	X	X	X
		Paris	France	100	X	X	X	X
		Okinawa	Ryukyu Is.	100	X	X	X	X
		Horby	Sweden	100	X		X	X
		Monrovia	Liberia	250		X		
		Brussels	Belgium	50				X
		Grenada	Brit. W. Indies	100				X
11.935	25.14	London	U.K.	100			X	X
		Delhi	India	100	X		X	X
		R. Liberty		50	X	X	X	
		Lisbon	Portugal	100	X	X	X	X
		Meyerton	South Africa	100	X	X	X	X
			Philippines	250				X
		Sackville	Canada	50/250		X		
		Salonika	Greece	35		X		
		Tangier	Morocco	35/50		X		
		Noblejas	Spain	350		X	X	X
		Mahe	Seychelles					
11.940	25.13	Bucharest	Rumania	18/240	X	X	X	X
		Sulaibiyah	Kuwait	250	X	X	X	X
		Cairo	Egypt	100	X	X		X
			U.S.S.R.	240	X	X	X	X
		Singapore	Singapore	50	X	X	X	X
		Taipei	China Nat.	35	X			
		Tokyo	Japan	50	X	X	X	X
		Encarnacion	Paraguay	5	X	X	X	X
		Monrovia	Liberia	50	X	X		
		Taipei	China Nat.	35		X	X	X
		Monte Carlo	Monaco	100				
		Djakarta	Indonesia					
11.945	25.12	London	U.K.	100	X	X	X	X
		Limassol	Cyprus	100	X	X		
		Encarnacion	Paraguay	5	X	X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Sackville	Canada	50/250	X	X	X	X
			U.S.S.R.	50	X	X	X	X
		Warsaw	Poland	10/100	X	X	X	X
		Aligarh	India	250	X	X	X	X
		Delhi	India	100		X		

MHz	Metres	Station	Country	kW	M	J	S	D
		Hilversum	Netherlands	100				X
11.950	25.10	Saigon	Viet Nam	20	X	X	X	X
		Riyadh	Saudi Arabia	50	X			
			U.S.S.R.	50/240	X	X	X	X
		Monrovia	Liberia		X	X		
		Rio de Janeiro	Brazil	10	X	X	X	X
		Tokyo	Japan	200	X	X	X	X
		Monte Carlo	Monaco		X	X		
		Sackville	Canada	200		X		
		Suwon	Korea (S)	50				X
		Horby	Sweden	100				X
		Ikorodu	Nigeria	100				
		Mahe	Seychelles					
11.955	25.09	London	U.K.	250	X	X	X	X
		Limassol	Cyprus	250	X	X	X	X
		Tebrau	Malaysia	75/250	X	X	X	X
		Monrovia	Liberia	250				X
			U.S.S.R.	120	X	X	X	X
		Montevideo	Uruguay	10	X	X	X	X
		Warsaw	Poland	5/60	X	X	X	X
		Greenville	U.S.A.	500	X	X	X	X
		Bethany	U.S.A.	250			X	
		Belmont	U.S.A.	250	X	X		
		Cairo	Egypt	100	X	X		X
		Tangier	Morocco	35	X		X	
		Havana	Cuba					
		Tirane	Albania					
		Munich	Germany (W)					
		Beirut	Lebanon				X	
		Monte Carlo	Monaco					
		Talata Volon	Malagasy Rep.	300				
		Addis Ababa	Ethiopia					
11.960	25.08	Delhi	India	100	X	X	X	X
		Bamako	Mali	50				
			U.S.S.R.	100/240	X	X	X	X
		Salonika	Greece	35/50	X	X	X	X
		Havana	Cuba	10/100	X			
		Monte Carlo	Monaco	100				
		Paris	France	100				X
		Caracas	Venezuela					
		Hilversum	Netherlands	100				
11.965	25.07	Kigali	Rwanda	250	X	X	X	X
		Paris	France	100				X
		Julich	Germany (W)	100	X	X	X	X
		Wertachtal	Germany (W)	500				X
			U.S.S.R.	200	X	X	X	X
			Philippines	250	X	X	X	X
		Sao Paulo	Brazil	7.5	X	X	X	X
		Chihuahua	Mexico	5	X		X	
		Jaji	Nigeria	10	X	X	X	X
		Monte Carlo	Monaco	100	X			X

MHz	Metres	Station	Country	kW	M	J	S	D
		Tokyo	Japan	100		X	X	
		Sines	Portugal			X	X	
		Noblejas	Spain	350		X	X	X
		Algiers	Algeria	100				X
11.970	25.06	London	U.K.			X		
		Tangier	Morocco	35	X		X	
		Grenada	Brit. W. Indies	100	X		X	X
		Sofia	Bulgaria	50	X	X	X	X
		Meyerton	South Africa	250	X	X	X	X
		Monrovia	Liberia		X	X		
		Taipei	China Nat.	3	X	X	X	X
		Khumaltar	Nepal	100		X	X	X
		Greenville	U.S.A.	250		X	X	
		R. Liberty		50/250	X	X	X	X
		Tunis	Tunisia	50				
		Havana	Cuba	10		X	X	X
		Berlin	Germany (E)	50/100		X	X	X
		Horby	Sweden	100		X		
		Brussels	Belgium	20				X
		Caracas	Venezuela					
11.975	25.05	Monrovia	Liberia					
		Berlin	Germany (E)					
		Kharkov	U.S.S.R.	100				
			U.S.S.R.					
		Peking	China Rep.					
		Grenada	Brit. W. Indies	10				
		R. Euzkadi		5				
11.980	25.04	Peking	China Rep.					
		Tirane	Albania					
		Cairo	Egypt	100				
		Erivan	U.S.S.R.					
		Moscow	U.S.S.R.					
		Beirut	Lebanon					
11.985	25.03	Orcha	U.S.S.R.	100				
		Tirane	Albania					
11.990	25.02	Prague	Czechoslovakia	100				
		Tirane	Albania	240				
		Duchambe	U.S.S.R.	50				
		Peking	China Rep.					
			Nigeria					
11.995	25.01	Moscow	U.S.S.R.					
11.997	25.01	Hanoi	Viet Nam					
12.000	25.00	Tula	U.S.S.R.	100				
12.005	24.99	Cairo	Egypt	100				
		R. Free Portugal						
		Voice of N.U.F.K.						
			U.S.S.R.					
12.010	24.98	Serpukhov	U.S.S.R.	100				
		Peking	China Rep.					
12.015	24.97	Peking	China Rep.					
12.020	24.96	Riga	U.S.S.R.					

MHz	Metres	Station	Country	kW
12.025	24.95	Hanoi	Viet Nam	
12.030	24.94	Tula	U.S.S.R.	
12.035	24.93		U.S.S.R.	
12.040	24.92	London	U.K.	
		Moscow	U.S.S.R.	100
		Vladivostock	U.S.S.R.	
12.045	24.91	Moscow	U.S.S.R.	
12.050	24.89	Moscow	U.S.S.R.	
		Erivan	U.S.S.R.	
12.055	24.88	Peking	China Rep.	120
		Moscow	U.S.S.R.	100
12.060	24.87	Peking	China Rep.	
		Voronez	U.S.S.R.	100
		Moscow	U.S.S.R.	
12.065	24.86	R. Euzkadi		5
12.070	24.85	Kiev	U.S.S.R.	100
12.075	24.84	Peking	China Rep.	120
12.080	24.82	Peking	China Rep.	120
12.095	24.80	London	U.K.	
12.100	24.79	Moscow	U.S.S.R.	
		Liberation Radio		
12.112	24.77	Peking	China Rep.	
12.120	24.76	Peking	China Rep.	
		Hanoi	Viet Nam	
12.124	24.75	London	U.K.	
12.127	24.73		U.S.S.R.	
		Peking	China Rep.	
12.130	24.70	London	U.K.	
12.140	24.68	Espana Independiente		
12.165	24.65	Teheran	Iran	100
12.175	24.64		U.S.S.R.	
12.176	24.64	London	U.K.	
12.180	24.63	Teheran	Iran	
12.182	24.63	London	U.K.	
			U.S.S.R.	
12.240	24.50	Magadan	U.S.S.R.	50
12.255	24.47	Paris	France	
12.287	24.45	R. Euzkadi		
12.302	24.43	Malolos	Philippines	
12.405	24.28	Peking	China Rep.	
12.450	24.10	Peking	China Rep.	
12.600	23.80	V. of N.U.F.K.		
13.240	22.65		U.S.S.R.	
13.360	22.50		U.S.S.R.	
13.520	22.20	Pyongyang	Korea (N)	
13.530	22.09	Amsterdam	Netherlands	
13.560	22.05		U.S.S.R.	
13.700	21.90	Peking	China Rep.	
13.725	21.75	Tripoli	Libya	
13.845	21.67	Peking	China Rep.	

MHz	Metres	Station	Country	kW	M	J	S	D
13.970	21.52	Tripoli	Libya					
14.320	21.08	Espana Independiente						
14.416	20.98	Peking	China Rep.					
14.440	20.78	R. Free Portugal						
14.482	20.73	Espana Independiente		15				
14.526	20.52	Greenville	U.S.A.					
14.860	20.02	Moscow	U.S.S.R.					
14.955	20.01	R. Free Portugal						
14.990	20.00	Peking	China Rep.					
		Hanoi	Viet Nam					
		Liberation Radio						
15.000	20.00	London Freq Std.	U.K.					
		Boulder Freq Std.	U.S.A.					
		Buenos Aires Freq. Std.	Argentine					
		Honolulu Freq Std	Hawaii					
		Moscow Freq.Std.	U.S.S.R.					
		Tokyo Freq.Std.	Japan					
		China Freq Std.						
15.005	19.99	Hanoi	Viet Nam					
15.015	19.98	Peking	China Rep.					
15.030	19.95	Peking	China Rep.	120				
15.045	19.92	Peking	China Rep.	240				
			U.S.S.R.					
		Hanoi	Viet Nam					
15.048	19.92	Peking	China Rep.					
15.055	19.92	Cairo	Egypt	100				
15.060	19.92	Peking	China Rep.	240				
15.065	19.91	Peking	China Rep.					
15.070	19.91	London	U.K.					
		Peking	China Rep.					
			U.S.S.R.					
15.075	19.90		U.S.S.R.					
15.080	19.89	Delhi	India	100				
		Peking	China Rep.	240				
		Moscow	U.S.S.R.					
15.085	19.89	Cairo	Egypt					
		Teheran	Iran	100				
15.095	19.87	Peking	China Rep.	240				
		Monrovia	Liberia					
15.100	19.87	Grenada	Brit. W. Indies					
		Frunze	U.S.S.R.	100				
		Moscow	U.S.S.R.					
		Karachi	Pakistan					
		Berlin	Germany (E)					
15.105	19.86	Ascension	Ascension	250	X	X	X	X
		Tebrau	Malaysia	250				X
		Limassol	Cyprus	100	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Delhi	India	20/100	X	X	X	X
		Karachi	Pakistan	50	X	X	X	
		Rio de Janeiro	Brazil	10				
		Grenada	Brit. W. Indies	10	X	X	X	X
		Tokyo	Japan	100	X	X	X	X
		Berlin	Germany (E)	50/100	X	X		
		R. Liberty		100		X		
		Horby	Sweden	100	X	X	X	X
			U.S.S.R.	100		X	X	
		Warsaw	Poland	60	X	X	X	X
		Bethany	U.S.A.	140	X	X		
		Rhodes	Greece	50		X		
15.110	19.85		U.S.S.R.	100	X	X	X	X
		Wellington	New Zealand		X	X	X	X
		Grenada	Brit. W. Indies		X			
			Philippines	250	X	X	X	X
		Mexico City	Mexico	5	X		X	X
		Sackville	Canada	250		X		
		Vatican	Vatican City					X
15.115	19.85	Curityba	Brazil	7.5	X	X	X	X
		Jeddah	Saudi Arabia	100	X			
		Quito	Ecuador	100	X	X	X	X
		R.F.E.		100/250	X	X	X	X
		Berlin	Germany (E)					X
		Grenada	Brit. W. Indies	100			X	X
		Peking	China Rep.					
		Vatican	Vatican City	100			X	X
		Tashkent	U.S.S.R.					
15.120	19.84	Djakarta	Indonesia	100	X		X	X
		Merauke	Indonesia	5	X	X	X	X
			U.S.S.R.			X		
		Paris	France	100	X	X	X	X
		Ikorodu	Nigeria	100	X	X	X	X
		Vatican	Vatican City	100	X	X	X	X
		Warsaw	Poland	15	X	X	X	X
		Colombo	Ceylon	35	X	X	X	X
		Ulan Bator	Mongolian Rep.					X
		Peking	China Rep.					
15.125	19.83	Delhi	India	100	X	X	X	X
		Berlin	Germany (E)	100	X	X		X
		Lisbon	Portugal	100	X	X	X	X
		Salvador	Brazil	10	X	X	X	X
		Taipei	China Nat.	50	X	X	X	X
		Shepparton	Australia	100	X	X	X	X
		Sulaibiyah	Kuwait	250			X	X
			U.S.S.R.					
		R. Liberty						
		Noblejas	Spain	350		X		X
15.130	19.83	Monrovia	Liberia	250	X	X	X	
		Hilversum	Netherlands	100				
		Delhi	India	100				

MHz	Metres	Station	Country	kW	M	J	S	D
		Bombay	India		X	X	X	X
			U.S.S.R.	100/240	X	X	X	X
		R. Liberty		500	X	X	X	X
		Scituate	U.S.A.	20	X		X	X
		Berlin	Germany (E)	50		X	X	
		Islamabad	Pakistan	100	X	X	X	X
		Monrovia	Liberia	250				
15.135	19.82	London	U.K.	100				
		Cairo	Egypt	100	X	X		X
		Delhi	India	50/100	X	X	X	X
		Teheran	Iran	100		X	X	
		Paris	France	100	X	X	X	X
		Quito	Ecuador	50	X	X	X	X
		Peking	China Rep.					
		Noblejas	Spain	350		X		X
			Philippines	50/250				X
15.140	19.82	London	U.K.	100/250	X	X	X	X
		Lyndhurst	Australia	10	X	X	X	X
		Darwin	Australia	250		X	X	X
			U.S.S.R.	240	X	X	X	X
		Peking	China Rep.					
15.145	19.81	Berlin	Germany (E)	50/100	X	X	X	X
		R.F.E.		100	X	X	X	X
		Recife	Brazil	10	X	X	X	X
		Wien	Austria	100	X	X	X	X
		Delhi	India	50	X	X	X	X
		Bamako	Mali	100	X	X	X	X
			Philippines	50	X	X	X	X
		Noblejas	Spain	350		X	X	X
15.150	19.80	Jeddah	Saudi Arabia	100	X			
		Djakarta	Indonesia	7.5	X	X	X	X
			U.S.S.R.	50	X	X	X	X
		Colombo	Ceylon	35	X	X	X	
		Santiago	Chile					
		Sulaibiyah	Kuwait	250	X	X		
		Cairo	Egypt	100	X	X		X
		Pyongyang	Korea (N)					
		Monte Carlo	Monaco	100	X	X		
		Wertachtal	Germany (W)	500				X
		Julich	Germany (W)	100				
15.155	19.79	Paris	France	100	X	X	X	X
		Havana	Cuba	50	X	X	X	X
		Suwon	Korea (S)	50	X	X	X	
			Philippines	50/250	X	X	X	X
		Monrovia	Liberia	50	X	X		
		Sao Paulo	Brazil	25	X	X	X	X
		Vatican	Vatican City	100	X	X	X	X
		Greenville	U.S.A.	50				X
		Budapest	Hungary	15				
		Tangier	Morocco	35	X	X	X	
			U.S.S.R.					

MHz	Metres	Station	Country	kW	M	J	S	D
		Quito	Ecuador			X		
		Meyerton	South Africa	250		X	X	X
15.160	19.79	Ankara	Turkey	100	X	X	X	X
		Aligarh	India	250	X		X	X
		Delhi	India	20		X		
		Budapest	Hungary	15/100	X	X	X	X
		Rhodes	Greece	50	X	X	X	X
		Mexico City	Mexico	10	X		X	X
			U.S.S.R.	50	X	X	X	X
		Paris	France	100	X	X	X	X
		Delano	U.S.A.	250	X			
		Greenville	U.S.A.	500		X		
		Bethany	U.S.A.	175/250	X	X	X	X
		Lyndhurst	Australia	10	X	X	X	X
		Ulan Bator	Mongolian Rep.	50				X
		Peking	China Rep.					
		Cairo	Egypt					
15.165	19.78	Damascus	Syria	50	X	X	X	X
		Brussels	Belgium	20				X
		Aligarh	India	100				X
		Delhi	India	20/100	X	X	X	X
		Forteleza	Brazil	5	X	X	X	X
		Vatican	Vatican City	100	X	X		
		Kobenhavn	Denmark	50	X	X	X	X
		Peking	China Rep.					
		Mahe	Seychelles					
		Tangier	Morocco	50/100		X		X
		Kigali	Rwanda	250	X	X		
		Ankara	Turkey					
		Julich	Germany (W)					
		Budapest	Hungary	15			X	
		Sackville	Canada	250		X	X	
15.170	19.78	Amman	Jordan	100	X	X	X	X
			U.S.S.R.	50	X	X	X	X
		Omdurman	Sudan	50	X	X	X	X
		R.F.E.		100	X	X	X	X
		Delhi	India	20	X	X	X	X
		Monrovia	Liberia		X	X		
		Gedja	Ethiopia	100				
		Fredrikstad	Norway	100				X
		Scituate	U.S.A.	20/50	X		X	
		Tahiti	Tahiti	20				
15.175	19.77	Cairo	Egypt	100	X	X		X
		Fredrikstad	Norway	100	X	X	X	X
			U.S.S.R.	100	X	X	X	X
			Philippines	250	X	X	X	X
		Meyerton	South Africa	250	X	X	X	X
		Peking	China Rep.					
		Beirut	Lebanon	100		X		
		Tangier	Morocco					
15.180	19.76	London	U.K.	100/500	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Hilversum	Netherlands	100	X	X	X	X
		Berlin	Germany (E)	50				X
		Papeete	Tahiti					
		Gedja	Ethiopia	100	X	X	X	X
			U.S.S.R.	50/100	X	X	X	X
		Greenville	U.S.A.	500	X	X	X	X
		Delhi	India	100				X
15.185	19.76	Rio de Janeiro	Brazil					
			U.S.S.R.	100/240	X	X	X	X
		Delhi	India	100	X	X	X	X
		Pori	Finland	100	X	X	X	X
		Ikorodu	Nigeria	100	X	X	X	X
			Philippines	250	X	X	X	X
		Tangier	Morocco	100		X		
		Mahe	Seychelles	50	X	X	X	X
		Julich	Germany (W)					X
		Sines	Portugal	250	X	X	X	
		Gedja	Ethiopia		X			
		Noblejas	Spain	350		X		X
15.190	19.75	Brazzaville	Congo Rep. W.	50	X	X	X	X
		Aligarh	India	250		X	X	X
		Delhi	India	100	X	X	X	X
		Ankara	Turkey					
		Sackville	Canada	50/250	X	X	X	X
		Gedja	Ethiopia	100		X	X	X
		Dixon	U.S.A.	250	X	X		
		Delano	U.S.A.				X	
		Havana	Cuba	50			X	X
		Belo Horizonte	Brazil					
15.195	19.74	London	U.K.	250	X	X	X	X
		Cairo	Egypt	100	X	X		X
		Tokyo	Japan	100	X	X	X	X
			U.S.S.R.	100	X			X
		Tangier	Morocco	35/100	X	X	X	X
		Madrid	Spain	100	X	X	X	X
		Noblejas	Spain	350		X		X
		Greenville	U.S.A.	500		X	X	X
		Ankara	Turkey	250	X	X	X	X
		Peking	China Rep.					
		Talata Volon	Malagasy Rep.	300				
15.200	19.74	London	U.K.	250	X	X	X	X
		Algiers	Algeria	50	X	X		
			U.S.S.R.	120	X	X	X	X
		Meyerton	South Africa	250		X		
		Wien	Austria	100	X	X		
		Baghdad	Iraq					
		Ikorodu	Nigeria	100	X	X	X	X
		Peking	China Rep.					
15.205	19.73	London	U.K.	250	X	X	X	X
			U.S.S.R.					
		Greenville	U.S.A.	50/500	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Rio de Janeiro	Brazil	10	X	X	X	X
		Delhi	India	100/250			X	X
		Aligarh	India	250	X	X		
		Tangier	Morocco	35/100	X	X	X	X
		Monte Carlo	Monaco					X
15.210	19.72	Peking	China Rep.					
		Ascuncion	Paraguay	3	X	X	X	X
			U.S.S.R.	100	X	X	X	X
			Philippines	100/250	X	X	X	X
		Wien	Austria	100	X	X	X	X
		Vatican	Vatican City	100	X	X	X	X
		Okinawa	Ryukyu Is.	35	X	X	X	X
15.215	19.72	Scituate	U.S.A.	20/100	X	X	X	X
		R.F.E.		100	X	X	X	X
		Warsaw	Poland	30	X	X	X	X
		Gedja	Ethiopia		X			
		Bonaire	Neth. Antilles		X		X	
15.220	19.71	Meyerton	South Africa	250	X	X	X	X
		Bonaire	Neth. Antilles	300		X		X
			U.S.S.R.	240	X	X	X	X
		Shepparton	Australia	100	X	X	X	
		Hilversum	Netherlands	100	X	X	X	X
		Gedja	Ethiopia	100				
		Monrovia	Liberia					
		Ankara	Turkey	250	X			
		Peking	China Rep.					
		Talata Volon	Malagasy Rep.	300				X
15.225	19.70	R. Liberty		50	X	X	X	X
		Salvador	Brazil	10	X	X	X	X
		Julich	Germany (W)					X
			Philippines	50	X	X	X	X
		Greenville	U.S.A.	100/500	X	X	X	X
		Delhi	India					
		Taipei	China Nat.	50			X	
		Meyerton	South Africa					
		Peking	China Rep.					
15.230	19.70	Havana	Cuba	50/100	X	X	X	X
		Colombo	Ceylon	35	X	X	X	X
			U.S.S.R.	240	X	X	X	X
		Lyndhurst	Australia	10	X	X	X	X
		Wien	Austria	100			X	
		Melo	Uruguay	5	X	X	X	X
		Rome	Italy			X		
		Cairo	Egypt					
		Peking	China Rep.					
		Bonaire	Neth. Antilles	50		X		
		Brussels	Belgium	20	X	X		
		Delhi	India					

MHz	Metres	Station	Country	kW	M	J	S	D
15.235	19.69	London	U.K.	100	X	X	X	X
		Ascension	Ascension	250	X	X	X	X
		Limassol	Cyprus	100	X	X	X	X
		Greenville	U.S.A.	250/500	X	X	X	X
			Philippines	50		X		X
			U.S.S.R.			X		
		Delhi	India	100	X	X	X	X
		Tokyo	Japan	100	X	X	X	X
		Dacca	Bangla Desh					
		Tangier	Morocco	100	X	X		
		Salonika	Greece			X		
		Julich	Germany (W)	100	X	X	X	X
		Gedja	Ethiopia	100	X	X		X
		Berne	Switzerland	150	X	X	X	
		Sines	Portugal			X	X	
		Brussels	Belgium					
15.240	19.69		U.S.S.R.	100	X			X
		Beograd	Yugoslavia	100	X	X	X	X
		Berlin	Germany (E)	50	X	X	X	X
		Shepparton	Australia	50	X	X	X	X
		Lyndhurst	Australia	10	X	X	X	X
		Horby	Sweden	100	X	X	X	X
		Prague	Czechoslovakia	100	X	X	X	X
		Peking	China Rep.					
15.245	19.68	London	U.K.	250		X		
		Greenville	U.S.A.					
		Julich	Germany (W)	100	X	X	X	X
		Sines	Portugal	250				X
		Belem	Brazil	10	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		Paris	France	100	X	X	X	X
		Kinshasa	Zaire Rep.	100	X	X	X	X
		Tangier	Morocco			X		
		Salonika	Greece	35	X		X	
		Noblejas	Spain			X		X
15.250	19.67	London	U.K.			X		
		Tangier	Morocco	50	X	X	X	X
		Bucharest	Rumania	18/120	X	X	X	X
		Dixon	U.S.A.	250				X
		Greenville	U.S.A.	250	X	X		
		Gedja	Ethiopia	100	X	X	X	X
			Philippines	50	X	X	X	X
		Djakarta	Indonesia	100	X	X	X	X
		Meyerton	South Africa	250	X	X	X	X
		Delhi	India	50		X	X	
15.255	19.67	London	U.K.			X		
		S.Gabriel	Portugal	100				X
		Berlin	Germany (E)	100	X	X		X
		Tangier	Morocco	100		X		
		Bonaire	Neth. Antilles	50		X	X	X
		Peking	China Rep.					

MHz	Metres	Station	Country	kW	M	J	S	D
		Brussels	Belgium	100				X
		R.F.E.		25	X	X	X	X
		Vatican	Vatican City	100	X	X		
			U.S.S.R.	120	X	X	X	X
		Aligarh	India	250	X	X		
		Gedja	Ethiopia	100	X			
15.260	19.66	London	U.K.	100		X	X	X
		Ascension	Ascension	250	X	X	X	X
			U.S.S.R.	120		X	X	
		Tokyo	Japan	10		X	X	X
		Havana	Cuba		X			
		Cairo	Egypt	100	X	X		X
		C. Haitien	Haiti	1	X	X	X	
		Kabul	Afghanistan	100			X	
		Nicosia	Cyprus	30				
		Mahe	Seychelles	50		X	X	
		Lebanon	Lebanon					
		Delhi	India	100	X	X		
		Talata Volon	Malagasy Rep.					
		Monrovia	Liberia					
		Kinshasa	Zaire Rep.					
		Vatican	Vatican City	100		X	X	X
15.262	19.66	Kabul	Afghanistan	50	X	X		
			U.S.S.R.	50/100	X	X	X	X
		Sao Paulo	Brazil	50	X	X	X	X
		Mahe	Seychelles	50	X	X	X	
		Prague	Czechoslovakia	100				X
		Gedja	Ethiopia	100	X			
		Peking	China Rep.					
		Julich	Germany (W)					
		Sines	Portugal	250		X	X	X
15.270	19.65	Berlin	Germany (E)					
		Havana	Cuba	50	X	X	X	X
		Peking	China Rep.					
		Tangier	Morocco	100	X	X	X	X
		Mahe	Seychelles	50	X	X	X	X
			Philippines	50				X
		Monrovia	Liberia	250			X	
		Greenville	U.S.A.	50/500	X	X		X
		Port au Prince	Haiti					
		Bonaire	Neth. Antilles	50	X			
15.275	19.64	Bonaire	Neth. Antilles	50	X	X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Montevideo	Uruguay	10	X	X	X	X
			U.S.S.R.	50/100	X			
		Warsaw	Poland	40/100	X	X	X	X
		Delhi	India	50	X	X	X	X
		Sackville	Canada			X		
15.280	19.63	Greenville	U.S.A.	250/500	X	X	X	X
		Belmont	U.S.A.	250	X	X	X	X
		Kajang	Malaysia	10	X	X	X	

MHz	Metres	Station	Country	kW	M	J	S	D
		Taipei	China Nat.	3	X	X	X	X
		Wellington	New Zealand	7.5	X			
		Peking	China Rep.					
		Cap Haitien	Haiti	0.35				
15.285	19.63	London	U.K.	250	X	X	X	X
		Limassol	Cyprus	100				X
		Tema	Ghana	100	X	X	X	X
		Ejura	Ghana	250	X	X	X	X
		Colombo	Ceylon	35	X	X	X	X
		Vatican	Vatican City	100	X	X		X
		Havana	Cuba	10	X	X	X	X
		Bucharest	Rumania	50/100	X	X	X	X
			U.S.S.R.		X	X		X
		Algiers	Algeria					
		Peking	China Rep.					
		R.F.E.						
15.290	19.62	Damascus	Syria	20	X	X	X	X
			Philippines	35/250	X	X	X	X
		Buenos Aires	Argentine	10	X	X	X	X
		Delhi	India	100	X	X	X	
		R. Liberty		50	X	X	X	X
		Islamabad	Pakistan	100				
		Bonaire	Neth. Antilles			X		
		Patumthani	Thailand	50	X	X		
15.295	19.61	Rio de Janeiro	Brazil	10	X	X	X	X
			U.S.S.R.	240	X	X	X	X
		L. Marques	Mozambique	100	X	X	X	X
		Paris	France	100	X	X	X	X
		Bonaire	Neth. Antilles			X	X	X
		Delano	U.S.A.	250		X		
		Red Lion	U.S.A.	50				
		Lyndhurst	Australia	10	X	X	X	X
		Horby	Sweden					
15.300	19.61	London	U.K.		X	X	X	X
			Philippines	10/50	X	X	X	X
		Havana	Cuba	100	X	X		
		Tokyo	Japan	100	X	X	X	
		Quito	Ecuador	100	X	X	X	X
		Tangier	Morocco	100				X
		Gedja	Ethiopia	100		X		
			U.S.S.R.					
		Peking	China Rep.					
		Sines	Portugal		X	X	X	
15.305	19.60	Berne	Switzerland	100/250	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		Tangier	Morocco	100	X	X		
		Noblejas	Spain	350			X	
		Peking	China Rep.					
15.310	19.60	London	U.K.	250	X	X	X	
		Tebrau	Malaysia	250	X	X	X	X
		Monrovia	Liberia	250				X

MHz	Metres	Station	Country	kW	M	J	S	D
		Delhi	India	50	X	X	X	X
		Bonaire	Neth. Antilles	300				X
		Sofia	Bulgaria	120	X	X	X	X
		Prague	Czechoslovakia	100	X	X	X	X
		Conakry	Guinea	100	X	X	X	X
		Tangier	Morocco	35/100	X		X	
		Mahe	Seychelles	50		X	X	X
		Tokyo	Japan					X
			U.S.S.R.			X		
			Philippines	100	X		X	X
		Munich	Germany (W)	10		X		
15.315	19.59	Gedja	Ethiopia	100	X	X	X	X
		Lisbon	Portugal	100	X	X	X	X
		Tangier	Morocco	100		X		
		Horby	Sweden	100	X	X		
		Cairo	Egypt	100	X	X		X
			U.S.S.R.	50		X		
		Paris	France	100	X	X	X	X
		Salonika	Greece	35				
		Rome	Italy	100		X		
		Sackville	Canada				X	X
			Philippines					
15.320	19.58	Ascension	Ascension					
		Tangier	Morocco	50		X		
		Hilversum	Netherlands	100				
			U.S.S.R.	100	X	X	X	X
		Taipei	China Nat.	3	X	X	X	X
		Shepparton	Australia	100	X	X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Bonaire	Neth. Antilles	300	X	X	X	X
		Sackville	Canada	50	X		X	X
		Gedja	Ethiopia	100		X	X	
			China Rep.					
15.325	19.58	London	U.K.	100				X
		Karachi	Pakistan	50	X	X	X	X
			U.S.S.R.	100		X		
		Sackville	Canada	50/250	X	X	X	X
		Horby	Sweden	100			X	
		Sao Paulo	Brazil					
		Brussels	Belgium	50	X	X	X	X
		Peking	China Rep.					
		Julich	Germany (W)	100	X			
		Wien	Austria			X	X	
15.330	19.57	Bethany	U.S.A.	140/175	X	X	X	X
		Greenville	U.S.A.	50				X
			U.S.S.R.	240		X	X	
		Tangier	Morocco	50	X	X	X	
		Brussels	Belgium	20		X		
		Vatican	Vatican City	100	X	X	X	X
		Rome	Italy	100	X	X	X	X
		Berlin	Germany (E)	100	X			

MHz	Metres	Station	Country	kW	M	J	S	D
		Talata Volon	Malagasy Rep.	300			X	X
		Cairo	Egypt	100				
15.335	19.56	Madras	India	100	X	X	X	X
		Aligarh	India	250	X	X		
		Delhi	India	100/250	X	X	X	X
		Karachi	Pakistan	50	X	X	X	
		Suwon	Korea (S)	50				X
		Brussels	Belgium	20/100	X	X		
		Porto Alegre	Brazil	7.5	X	X	X	X
		Paris	France	100	X	X	X	X
		Wien	Austria	100		X		X
		Bogota	Colombia	25				X
15.340	19.56	R. Liberty		50	X	X	X	X
		Lisbon	Portugal	100	X	X	X	X
		Rome	Italy	100	X		X	
		Red Lion	U.S.A.	50				X
		Cairo	Egypt	100	X	X		X
		Djakarta	Indonesia	100	X	X	X	X
		Delhi	India	100		X		
		Aligarh	India	250	X	X	X	X
		Prague	Czechoslovakia	100		X		
		Algiers	Algeria	100				X
15.345	19.55	Bonaire	Neth. Antilles	50/260	X	X	X	X
			U.S.S.R.					
		Athens	Greece	7.5	X		X	
		Buenos Aires	Argentine	50	X	X	X	X
		Sebaa Ayoun	Morocco	50	X	X	X	X
			Philippines	250	X	X	X	X
		Djakarta	Indonesia	5	X	X	X	X
		Taipei	China Nat.	25	X	X	X	X
		Sulaibiyah	Kuwait	250	X	X	X	X
		Fredrikstad	Norway	100		X		
15.350	19.54	Luxembourg	Luxembourg	6	X	X	X	X
		Peking	China Rep.					
			U.S.S.R.	100	X	X	X	X
		Beirut	Lebanon	100		X		
		Bonaire	Neth. Antilles	50/260	X			
		Dixon	U.S.A.	100				X
15.355	19.54	Montevideo	Uruguay	10	X	X	X	X
		R.F.E.		100/250	X	X	X	X
		Darwin	Australia	250	X	X	X	X
		Beirut	Lebanon	100				
		Lisbon	Portugal					
15.360	19.53	Ascension	Ascension			X	X	X
		Tangier	Morocco	5	X			
		Monrovia	Liberia	250	X	X	X	X
			U.S.S.R.	240	X	X	X	X
		Peking	China Rep.					
		Greenville	U.S.A.	50				
		Beirut	Lebanon	100	X			
		Monte Carlo	Monaco	100				

MHz	Metres	Station	Country	kW	M	J	S	D
15.365	19.53		Philippines	35/250	X	X	X	X
		Prague	Czechoslovakia	100	X	X	X	X
		Indep. Spain						
		Warsaw	Poland	30/60	X	X	X	X
		Havana	Cuba					
		Las Mesas	Canary Is.	50	X	X	X	X
			U.S.S.R.	10		X	X	
		Sackville	Canada	250	X	X		
		Dixon	U.S.A.	100				X
		Delano	U.S.A.	250				X
		Greenville	U.S.A.				X	
		Madrid	Spain					
		Okinawa	Ryukyu Is.	35	X	X	X	X
15.370	15.52	R. Liberty		100/500	X	X	X	X
		Rio de Janeiro	Brazil	10	X	X	X	X
			U.S.S.R.	100			X	
		Gedja	Ethiopia		X			
		Monrovia	Liberia	250	X	X	X	X
		Taipei	China Nat.	100	X	X	X	X
		Tangier	Morocco	35				X
15.375	19.51		Philippines	250				
			U.S.S.R.	100	X	X	X	X
		Paris	France	100	X	X	X	X
		Sackville	Canada	250		X		
		Quito	Ecuador	100	X	X	X	X
			China Rep.					
15.380	19.51	Bucharest	Rumania	15/120	X	X	X	X
		Islamabad	Pakistan	100	X	X		
		Kigali	Rwanda	250	X	X	X	X
		R. Liberty		50	X	X	X	X
		Lisbon	Portugal		X	X		
		Cairo	Egypt	100	X	X		X
		Beirut	Lebanon				X	
15.385	19.49		Philippines	35/50	X	X	X	X
		Rome	Italy	100				X
			U.S.S.R.	240	X	X	X	X
		Monrovia	Liberia					
		Peking	China Rep.					
		Tokyo	Japan	100			X	
		Dixon	U.S.A.	250		X		
		Gedja	Ethiopia	100		X		X
		Bucharest	Rumania	18				
15.390	19.49	London	U.K.	250	X	X	X	X
		Berlin	Germany (E)	100		X		X
			Philippines	50	X	X	X	X
		Peking	China Rep.					
		Tokyo	Japan				X	X
		Algiers	Algeria					
15.395	19.49	Greenville	U.S.A.	50/500	X	X	X	X
			Philippines	50/250	X	X	X	X
			U.S.S.R.	120	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Darwin	Australia				X	X
15.400	19.48	London	U.K.			X		
		Ascension	Ascension	250	X	X	X	X
		Addis Ababa	Ethiopia	100	X	X	X	X
		Baghdad	Iraq	100		X	X	X
		Greenville	U.S.A.	500	X	X	X	X
		Dixon	U.S.A.	250				X
		Rome	Italy		X	X	X	X
			U.S.S.R.	50	X	X	X	X
		Tirane	Albania					
		Kigali	Rwanda	250		X	X	
		Berlin	Germany (E)					X
		Caracas	Venezuela					
15.405	19.48	London	U.K.	250	X			
			U.S.S.R.	100/240	X	X	X	X
		Tirane	Albania					
		Shepparton	Australia	50/100				X
		Gedja	Ethiopia	100		X		
		Brussels	Belgium					
15.410	19.47	Julich	Germany (W)	100		X	X	
		Greenville	U.S.A.	250	X	X	X	X
		Delano	U.S.A.	250	X	X	X	X
			Philippines	100/250	X	X	X	X
		Wien	Austria	100	X	X	X	X
		Rome	Italy	60		X		
		Algiers	Algeria	50	X	X	X	X
		Kigali	Rwanda	250	X	X	X	X
			U.S.S.R.					
		Tirane	Albania					
15.415	19.46	Kabul	Afghanistan					
		Greenville	U.S.A.	50/250	X	X	X	X
		Riberiao Preto	Brazil	7.5	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		Berlin	Germany (E)		X			
		Quito	Ecuador	100				X
		Mahe	Seychelles					
		Algiers	Algeria					
15.420	19.45	London	U.K.					
		Limassol	Cyprus	100	X	X	X	X
		Madrid	Spain	100	X	X	X	X
		Noblejas	Spain	350			X	X
			Philippines	50	X	X		
		Tokyo	Japan	100		X		
		Peking	China Rep.					
		Vatican	Vatican City			X		
		Algiers	Algeria				X	X
15.425	19.45	Hilversum	Netherlands	100	X	X	X	X
			U.S.S.R.	100/240	X	X	X	X
		Perth	Australia	50	X	X	X	X
		Talata Volon	Malagasy Rep.	300				
		Gedja	Ethiopia	100	X		X	

MHz	Metres	Station	Country	kW	M	J	S	D
		Berlin	Germany (W)		X			
		Athens	Greece	7.5		X	X	X
		Monrovia	Liberia					
		Dakar	Senegal					
15.430	19.44	Berne	Switzerland	100/150	X	X	X	X
		Greenville	U.S.A.	50/250	X	X	X	X
			U.S.S.R.	100		X		
		Delhi	India	100	X	X	X	X
		Suwon	Korea(S)	50	X	X	X	
		Hilversum	Netherlands	100	X	X	X	X
			Philippines					
		Sines	Portugal					
15.435	19.44	London	U.K.	100	X	X	X	X
		Limassol	Cyprus					X
		Tebrau	Malaysia	250	X	X	X	X
		Dar-es-Salaam	Tanzania	50	X	X	X	X
		Julich	Germany (W)	100	X	X		
		Peking	China Rep.					
		Kigali	Rwanda	250	X	X	X	X
		Baghdad	Iraq	100		X	X	X
		Prague	Czechoslovakia	100				X
15.440	19.43		Philippines	50	X	X	X	X
		Scituate	U.S.A.	50/100	X	X	X	X
			U.S.S.R.	120	X	X	X	X
		Ulan Bator	Mongolian Rep.					
		Sackville	Canada	250		X		
		Algiers	Algeria					
15.445	19.42	London	U.K.	100				X
		Brasilia	Brazil	10	X	X	X	
		Monrovia	Liberia	250	X	X	X	X
		Prague	Czechoslovakia	100	X	X	X	X
		R. Liberty		50/250	X	X	X	X
		Ulan Bator	Mongolian Rep.				X	X
		Berlin	Germany (E)	100	X			X
		Tokyo	Japan	200	X	X	X	X
		Sao Paulo	Brazil	10				X
15.450	19.42	Berlin	Germany (E)	100				
		Brazil	Brazil					
		Serpukhov	U.S.S.R.					
		Peking	China Rep.					
15.455	19.41	Moscow	U.S.S.R.					
15.460	19.40	Moscow	U.S.S.R.	100				
15.465	19.40	Peking	China Rep.					
			U.S.S.R.					
15.470	19.39	Kalinin	U.S.S.R.	50				
15.475	19.39	Cairo	Egypt	50				
15.480	19.38	Orenburg	U.S.S.R.	50				
		Peking	China Rep.					
15.481	19.38	R. Free Portugal						
15.490	19.37	Moscow	U.S.S.R.	50				
		Peking	China Rep.					

MHz	Metres	Station	Country	kW
15.500	19.36	Peking	China Rep.	
15.505	19.35	Sverdlovsk	U.S.S.R.	50
15.510	19.35	Espana Independiente		
		Peking	China Rep.	240
15.515	19.34	Peking	China Rep.	
15.520	19.33	Peking	China Rep.	
		Dacca	Bangla Desh	
15.525	19.33	Dacca	Bangla Desh	
15.530	19.32		U.S.S.R.	
15.540	19.32	R.F.E.		
15.550	19.29	Peking	China Rep.	
15,575	19.27	Peking	China Rep.	
15.590	19.25	Peking	China Rep.	50
15.600	19.23		U.S.S.R.	
15.670	19.17	Peking	China Rep.	
15.710	19.10	Peking	China Rep.	
15.735	19.07	Peking	China Rep.	
15.752	19.05	Bethany	U.S.A.	
15.780	19.02	Moscow	U.S.S.R.	
15.790	19.02	V. of Malayan Rev'l'n		
15.846	19.01	London	U.K.	
15.852	19.01	London	U.K.	
15.880	18.90	Peking	China Rep.	
15.907	18.85	London	U.K.	
15.913	18.80	London	U.K.	
16.104	18.60	Peking	China Rep.	
16.160	18.50		U.S.S.R.	
16.250	18.46	Moscow	U.S.S.R.	
16.270	18.44	Peking	China Rep.	
16.320	18.38	Pyongyang	Korea (N)	
16.342	18.38	Peking	China Rep.	
16.350	18.37		U.S.S.R.	
16.373	18.30	Peking	China Rep.	
16.430	18.26	VOA Feeder		
16.435	18.25	Peking	China Rep.	
16.442	18.25	Julich	Germany (W)	
17.110	17.64	Bonaire	Neth. Antilles	
17.220	17.43	Peking	China Rep.	
17.270	17.30		U.S.S.R.	
17.380	17.28	Delhi	India	
17.445	17.19	R.F.E.		
17.488	17.15	Peking	China Rep.	
17.505	17.14	Peking	China Rep.	
17.532	17.07	Peking	China Rep.	
17.570	17.05	Peking	China Rep.	
17.580	17.05		U.S.S.R.	
17.590	17.05	Peking	China Rep.	
17.605	17.04	Peking	China Rep.	
17.610	17.04	Cairo	Egypt	

MHz	Metres	Station	Country	kW	M	J	S	D
17.625	17.04	Cairo	Egypt					
17.630	17.03	Peking	China Rep.					
17.640	17.02	Cairo	Egypt					
17.642	17.02	London	U.K.					
17.648	17.01	London	U.K.					
17.650	17.00		U.S.S.R.					
		Peking	China Rep.	240				
17.655	16.99	Cairo	Egypt	250				
17.660	16.99	Espana Independiente		15				
17.670	16.98	Cairo	Egypt	100				
17.675	16.98	Peking	China Rep.	240				
17.680	16.97	Peking	China Rep.	240				
17.685	16.96	Cairo	Egypt					
17.690	16.96	Cairo	Egypt					
		Karachi	Pakistan					
			U.S.S.R.					
17.695	16.95	London	U.K.					
17.700	16.95	Berlin	Germany (E)					
		Krasnoyarsk	U.S.S.R.					
		Cairo	Egypt					
		Brussels	Belgium					
		Vatican	Vatican City					
		Peking	China Rep.					
17.705	16.94	London	U.K.	100	X	X	X	X
		Delhi	India	50/100	X	X	X	X
		Aligarh	India	250	X	X	X	X
		Bombay	India	100	X	X	X	X
		Brussels	Belgium	100	X	X	X	
			Philippines	250	X	X	X	X
		Greenville	U.S.A.	250	X	X	X	X
		Munich	Germany (W)	100	X	X	X	X
		Wien	Austria			X	X	
			U.S.S.R.					
		Julich	Germany (W)	100	X	X		
		Monrovia	Liberia	250	X	X	X	X
		Berlin	Germany (E)				X	X
		Bucharest	Rumania					
		Peking	China Rep.					
17.710	16.94	Greenville	U.S.A.	250	X	X		
		Bethany	U.S.A.	250			X	X
			U.S.S.R.	100	X	X	X	X
		Bamako	Mali	100	X	X	X	X
		Tangier	Morocco	100			X	X
		Wien	Austria	100	X	X		
		Bucharest	Rumania	125	X		X	X
17.715	16.94	London	U.K.	250	X	X	X	X
		Noblejas	Spain	350		X	X	X
		Delhi	India	100	X	X	X	X
		Havana	Cuba	50	X	X		
			U.S.S.R.					

MHz	Metres	Station	Country	kW	M	J	S	D
		Shepparton	Australia	50	X	X	X	X
		Darwin	Australia	250	X	X	X	X
		Peking	China Rep.					
		Beirut	Lebanon	100	X		X	
		Vatican	Vatican City	100	X	X	X	X
17.720	16.93	Ankara	Turkey	250	X	X		
		Paris	France	100	X	X	X	X
		Red Lion	U.S.A.	50	X	X	X	X
		Greenville	U.S.A.	250	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		Taipei	China Nat.	50	X	X	X	X
		Brussels	Belgium	100	X			
		Ulan Bator	Mongolian Rep.					
		R. Liberty						
17.725	16.92	R.F.E.			X	X	X	X
		Tokyo	Japan	100	X	X	X	X
		Cairo	Egypt	100	X	X		X
		Bamako	Mali		X	X	X	
		Berlin	Germany (E)	100	X			X
17.730	16.92	Greenville	U.S.A.	250	X	X	X	X
		Tananarive	Malagasy Rep.	100	X	X	X	
		Paris	France	100	X	X	X	X
			U.S.S.R.	240	X	X	X	X
		Bucharest	Rumania	120	X	X		
		Havana	Cuba		X			
		Bethany	U.S.A.					
17.735	16.92	Peking	China Rep.					
		Warsaw	Poland	40/100	X	X	X	X
			Philippines	100/250	X	X	X	X
		R.F.E.		50/100	X	X	X	X
		Addis Ababa	Ethiopia	100	X	X		
			U.S.S.R.			X	X	
		Havana	Cuba	50	X	X	X	X
17.740	16.91	London	U.K.	100	X	X	X	X
		Ascension	Ascension	100	X	X	X	X
		Baghdad	Iraq	250	X			
		Wien	Austria	100	X	X		
		Djakarta	Indonesia	50	X	X	X	X
		Lisbon	Portugal	100	X	X	X	X
		Rome	Italy	100	X	X	X	X
		Lusaka	Zambia	50				
			U.S.S.R.	50/120	X		X	X
		Quito	Ecuador					
			Philippines	250		X	X	X
		Okinawa	Ryukyu Is.	35	X	X		
		Brussels	Belgium	20/100	X	X	X	
		Meyerton	South Africa					
17.745	16.90		U.S.S.R.	240	X	X	X	
		Cairo	Egypt					
		Tokyo	Japan	100		X		
		Peking	China Rep.					

MHz	Metres	Station	Country	kW	M	J	S	D
		Delano	U.S.A.	250		X		
		Brussels	Belgium	100	X	X	X	X
		Delhi	India	100		X	X	X
		Greenville	U.S.A.	500	X			
17.750	16.90	Brussels	Belgium	50/100	X			
		R. Liberty		250	X	X	X	X
			Philippines	250	X	X	X	X
		Delano	U.S.A.	250	X	X	X	X
17.755	16.90	Berlin	Germany (E)	100		X	X	X
		Bethany	U.S.A.	250				X
		Scituate	U.S.A.	50/100	X	X	X	
		Gedja	Ethiopia	100			X	
		Nauen	Germany (W)	100			X	
		Rio de Janeiro	Brazil	10	X	X	X	X
			U.S.S.R.	50/240	X	X	X	
		Delhi	India	50	X	X	X	X
		Quito	Ecuador	100	X		X	
		Rome	Italy	100	X	X	X	X
		Wien	Austria	100			X	
17.760	16.89	Bucharest	Rumania	18/120	X	X	X	X
		Delhi	India	100	X	X	X	X
		Scituate	U.S.A.	50/100	X	X	X	X
		R. Liberty		50	X	X	X	X
		Cairo	Egypt	100	X	X		X
		Patumthani	Thailand	50	X	X		
17.765	16.89		U.S.S.R.	100	X	X	X	X
		Delano	U.S.A.	100/250	X	X	X	X
		Kigali	Rwanda	250	X	X	X	X
		Julich	Germany (W)	100	X	X	X	
		Paris	France	100	X	X	X	X
			Philippines	250	X	X	X	X
		Warsaw	Poland			X	X	
		Cairo	Egypt	100	X	X		X
17.770	16.88	Addis Ababa	Ethiopia	100	X		X	X
		R.F.E.		50	X	X	X	X
		Rome	Italy	100	X	X	X	X
		Wellington	New Zealand	7.5	X	X	X	X
			U.S.S.R.			X	X	
		Baghdad	Iraq	250		X		
17.775	16.88	London	U.K.	100		X		
			U.S.S.R.	240	X	X	X	X
		Monrovia	Liberia	250	X	X	X	X
		Delhi	India	20/100	X	X	X	X
		Berlin	Germany (E)	100				X
		Tangier	Morocco	100	X	X	X	X
		Kabul	Afghanistan	100		X		
		Noblejas	Spain	350		X	X	X
		Fredrikstad	Norway	100		X	X	X
		Gedja	Ethiopia	100				X
17.780	16.87	London	U.K.	250		X		

MHz	Metres	Station	Country	kW	M	J	S	D
		Brussels	Belgium	100	X	X	X	X
			U.S.S.R.	120	X	X	X	X
		Taipei	China Nat.	50	X	X	X	X
		Delhi	India	100	X	X	X	X
		Wien	Austria	100		X	X	X
		Kabul	Afghanistan	50	X	X	X	X
		Gedja	Ethiopia	100	X			
		Quito	Ecuador	100	X		X	X
		R. Liberty						
		Ulan Bator	Mongolian Rep.					
		Athens	Greece	7.5			X	
		Tangier	Morocco	100		X		
17.785	16.87	Tokyo	Japan	100	X	X	X	X
		Cairo	Egypt	10	X	X		X
			U.S.S.R.	50/100	X	X	X	X
		Ulan Bator	Mongolian Rep.	50	X	X	X	X
		Brazzaville	Congo Rep. W.	50	X	X	X	X
		Greenville	U.S.A.	250/500	X	X	X	X
		Wien	Austria	100	X	X	X	X
		Kabul	Afghanistan					
		Vatican	Vatican City					
17.790	16.86	London	U.K.	100/250	X	X	X	X
			U.S.S.R.	240	X	X		X
		R. Liberty		50	X	X	X	
		Talata Volon	Malagasy Rep.	300				
17.795	16.86	Budapest	Hungary	3/15	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		Rome	Italy	100	X	X	X	X
		Berne	Switzerland	100/250	X	X	X	X
		Sottens	Switzerland	500				X
		Berlin	Germany (E)	100		X	X	
		Fredrikstad	Norway	100		X		
		Vatican	Vatican City					
		Peking	China Rep.					
		Wien	Austria	100	X	X	X	X
		Shepparton	Australia	100	X	X	X	X
		Bethany	U.S.A.		X	X	X	
17.800	16.85	Warsaw	Poland	40/100	X	X	X	X
		Karachi	Pakistan	50	X	X		X
		Islamabad	Pakistan					
		Bethany	U.S.A.	250				X
		Aligarh	India	250	X	X		
		Tangier	Morocco	35/100	X	X	X	X
		Talata Volon	Malagasy Rep.	300				X
		Vatican	Vatican City	100	X	X	X	X
		Julich	Germany (W)	100	X	X	X	
		Kigali	Rwanda	250	X	X	X	X
		Fredrikstad	Norway	100		X	X	X
		Berne	Switzerland	100		X	X	
		Baghdad	Iraq					
17.805	16.85	Meyerton	South Africa	250	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Cairo	Egypt	100	X	X		X
			U.S.S.R.	100/240	X	X	X	X
		R.F.E.		50	X	X	X	X
		Peking	China Rep.					
		Vatican	Vatican City	100			X	X
17.810	16.84	London	U.K.	250	X	X	X	X
			Philippines	2/50	X	X	X	X
		Djakarta	Indonesia	10	X	X	X	X
		Hilversum	Netherlands	100	X	X	X	X
		Peking	China Rep.					
		Bonaire	Neth. Antilles	300	X	X	X	X
		Talata Volon	Malagasy Rep.	300				X
17.815	16.84	Rome	Italy	60/100	X	X	X	X
		Sao Paulo	Brazil	10	X	X	X	X
			U.S.S.R.	240	X	X	X	X
		Greenville	U.S.A.	50/250				X
		Delano	U.S.A.	250				X
		Bethany	U.S.A.	250	X	X	X	
		Gedja	Ethiopia	100	X	X	X	X
		Meyerton	South Africa	250	X	X	X	X
		Havana	Cuba	50		X		
		Vatican	Vatican City	100	X	X	X	X
		Peking	China Rep.					
		Brussels	Belgium				X	X
		Ankara	Turkey					
17.820	16.84	London	U.K.	100	X	X	X	X
			U.S.S.R.	50/100	X	X	X	X
		Ankara	Turkey	100	X	X	X	X
		Delhi	India	50/100	X	X		
		Sackville	Canada	50	X	X	X	X
		Shepparton	Australia	50/100	X	X	X	X
		Dixon	U.S.A.	100	X		X	X
		Peking	China Rep.					
		Meyerton	South Africa	250	X	X	X	X
		Julich	Germany (W)	100		X	X	X
		Quito	Ecuador					X
17.825	16.83	Dixon	U.S.A.	100		X		
		Fredrikstad	Norway	100	X	X	X	X
		Meyerton	South Africa	250	X	X	X	X
		Tokyo	Japan	100/200	X	X	X	X
			Philippines	250	X	X		
			U.S.S.R.	50	X		X	X
		Berlin	Germany (E)	100		X	X	X
		Sofia	Bulgaria	50	X	X	X	X
		Tangier	Morocco	50	X	X	X	
		Havana	Cuba	100				X
		Kabul	Afghanistan	50				
		Patumthani	Thailand	50	X	X		
		Monrovia	Liberia	250		X	X	X
		Peking	China Rep.					
		Ulan Bator	Mongolian Rep.					

MHz	Metres	Station	Country	kW	M	J	S	D
17.830	16.83	Berlin	Germany (E)	100	X	X	X	X
		Monrovia	Liberia	250	X		X	
		Berne	Switzerland	150/250	X	X	X	X
		Delhi	India	50	X	X		
		Colombo	Ceylon	35	X	X	X	X
		Greenville	U.S.A.	50/500	X	X	X	X
		Bethany	U.S.A.	250			X	
		Cairo	Egypt	100	X	X		X
			Philippines	50/250	X	X	X	X
			U.S.S.R.	100		X	X	
		Bucharest	Rumania	120	X	X	X	X
		Tangier	Morocco	100		X		
		Mexico	Mexico	10				X
		Peking	China Rep.					
		Bonaire	Neth. Antilles	300				X
		Karachi	Pakistan	50	X	X	X	X
		Beirut	Lebanon					
17.835	16.82	Peking	China Rep.					
		R.F.E.		100	X	X	X	X
			U.S.S.R.	100	X	X	X	X
		Greenville	U.S.A.	50	X	X		
		Mexico City	Mexico					
		Wien	Austria	100				X
		Bonaire	Neth. Antilles					
17.840	16.82	London	U.K.			X		
		Bethany	U.S.A.	250		X		
		Monrovia	Liberia	250				
		Greenville	U.S.A.	50	X	X	X	
			U.S.S.R.	100	X			X
		Prague	Czechoslovakia	100	X	X	X	X
		Vatican	Vatican City	100	X	X	X	X
		Horby	Sweden	100	X	X	X	X
		Delhi	India	50	X	X	X	X
		Peking	China Rep.					
		Budapest	Hungary	3		X	X	
		Meyerton	South Africa	250		X		X
		Caracas	Venezuela					
17.845	16.81	Scituate	U.S.A.	100	X	X	X	X
		Sottens	Switzerland	500			X	X
		Berne	Switzerland	150	X	X	X	
		Julich	Germany (W)	100	X	X	X	X
		Delhi	India			X		
		Aligarh	India	250			X	X
		Talata Volon	Malagasy Rep.	300				
		Cairo	Egypt	100	X	X		X
			U.S.S.R.	100	X	X	X	X
		R. Liberty		100				X
		Brussels	Belgium	100		X	X	X
		Tangier	Morocco	50			X	
		Karachi	Pakistan					
17.850	16.81		U.S.S.R.	240	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Paris	France	100	X	X	X	X
		Rio de Janeiro	Brazil	10	X	X	X	X
		Bucharest	Rumania	120	X	X	X	X
		Delano	U.S.A.	250	X	X	X	X
		Wien	Austria	100	X	X	X	X
17.855	16.81	London	U.K.	250	X	X	X	X
		R. Liberty		50		X	X	
		Greenville	U.S.A.		X	X		
		Bethany	U.S.A.	250			X	X
		Sackville	Canada	50		X		
		Peking	China Rep.					
		Tangier	Morocco	35	X	X	X	X
		Tokyo	Japan	100/200	X	X	X	X
		Munich	Germany (W)	100	X			
		Monrovia	Liberia	250		X	X	X
		Brussels	Belgium			X	X	
		Havana	Cuba					
17.860	16.80	Tebrau	Malaysia	7.5/250	X	X	X	X
		Brussels	Belgium	20/100	X	X		X
			U.S.S.R.	100	X	X	X	X
		Bethany	U.S.A.	250	X	X	X	X
		Greenville	U.S.A.	250			X	X
			Philippines	50		X	X	X
		Aligarh	India	250		X	X	X
		Delhi	India	100	X	X		
		Quito	Ecuador		X	X	X	X
17.865	16.79	Cairo	Egypt	100	X	X		X
		Rawalpindi	Pakistan					
		R.F.E.		10	X	X	X	X
		Warsaw	Poland	100	X	X	X	X
			U.S.S.R.	120		X	X	
		Ulan Bator	Mongolian Rep.	50	X	X	X	
		Patumthani	Thailand	50	X	X		
		R. Liberty		50		X		
		Quito	Ecuador	100				X
		Horby	Sweden	100				X
17.870	16.79	London	U.K.	100/250	X	X	X	X
		Ascension	Ascension	250	X	X	X	X
			U.S.S.R.	240	X	X	X	X
		Shepparton	Australia	100	X	X	X	X
		Montevideo	Uruguay	25	X	X	X	X
		Ejura	Ghana	250	X	X	X	X
		Wien	Austria	100	X	X		
		Brussels	Belgium	20				X
		Quito	Ecuador	100				X
17.875	16.78	Bethany	U.S.A.	250		X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Rio de Janeiro	Brazil	7.5	X	X	X	X
		Monrovia	Liberia	250	X	X	X	X
		Tangier	Morocco	100	X	X	X	X
		Hilversum	Netherlands	100				X

MHz	Metres	Station	Country	kW	M	J	S	D
		R. Liberty		50	X	X	X	X
		Aligarh	India	250		X	X	X
			U.S.S.R.					
		Delhi	India	100	X			
			Philippines	50	X	X		
		Quito	Ecuador					
17.880	16.78	London	U.K.					
		Tebrau	Malaysia	7.5/250	X	X	X	X
		Berlin	Germany (E)	100	X			X
		Cairo	Egypt	100	X	X		X
		Bucharest	Rumania	18		X		
		Lisbon	Portugal	100	X	X	X	X
			U.S.S.R.	50/240	X	X	X	X
		Quito	Ecuador	100	X	X	X	X
		Tokyo	Japan	100	X	X	X	X
		Bethany	U.S.A.	250			X	
		Greenville	U.S.A.	50				X
17.885	16.78	Limassol	Cyprus	100	X	X	X	X
		Havana	Cuba	100	X	X	X	X
		Cairo	Egypt	100	X	X		X
		Vatican	Vatican City	100	X	X	X	X
			U.S.S.R.	120		X	X	
		Quito	Ecuador	50			X	X
		Bogota	Colombia	25				X
			Philippines	100	X		X	X
		Noblejas	Spain	350		X		X
		Berne	Switzerland	150			X	
		Lisbon	Portugal	100		X	X	X
17.890	16.77	Budapest	Hungary	3/5	X	X	X	X
		Bethany	U.S.A.	250	X	X	X	X
		Greenville	U.S.A.	50				X
		Panchiao	China Nat.	50	X	X	X	X
		Quito	Ecuador	50	X			
			U.S.S.R.	100	X	X	X	
		Beirut	Lebanon	100			X	
		Algiers	Algeria	100				X
17.895	16.76	R. Liberty		50/500	X	X	X	X
		Lisbon	Portugal	100	X	X	X	X
			U.S.S.R.	100		X	X	
		Berlin	Germany (E)	50/100	X	X		X
		Dixon	U.S.A.	250	X	X	X	X
		Bamako	Mali	100		X	X	X
		Lusaka	Zambia	50				
17.900	16.76	Moscow	U.S.S.R.	100				
		Berlin	Germany (E)					
		Cairo	Egypt					
17.910	16.75	Karachi	Pakistan					
17.920	16.74	Cairo	Egypt					
			U.S.S.R.					
17.925	16.73	Cairo	Egypt					
17.936	16.73	Dacca	Bangla Desh					

MHz	Metres	Station	Country	kW	M	J	S	D
17.940	16.72	Moscow	U.S.S.R.					
17.945	16.72	Karachi	Pakistan	50				
17.953	16.71		Pakistan					
17.960	16.61	Dacca	Bangla Desh					
18.002	16.60		U.S.S.R.					
18.080	16.59	London	U.K.					
		Dacca	Bangla Desh					
18.100	16.58		U.S.S.R.					
18.167	16.54	London	U.K.					
18.173	16.42	London	U.K.					
18.275	16.42	Greenville	U.S.A.					
18.285	16.30	Moscow	U.S.S.R.					
18.455	16.20	Moscow	U.S.S.R.					
18.650	16.10	Moscow	U.S.S.R.					
18.665	16.05		U.S.S.R.					
19.261	15.98	Bethany	U.S.A.					
19.481	15.88	Munich	Germany (W)					
19.721	15.22	Greenville	U.S.A.					
19.725	15.21	Moscow	U.S.S.R.					
19.845	15.02	Moscow	U.S.S.R.					
20.000	15.00	Boulder Std. Freq.	U.S.A.					
		Moscow Std.Freq.	U.S.S.R.					
20.062	14.96	Greenville	U.S.A.					
20.571	14.56		U.S.S.R.					
20.780	14.50	Willemstad	Neth. Antilles					
21.450	13.99	Brussels	Belgium	50				
			U.S.S.R.					
21.455	13.98	Tangier	Morocco	35	X	X	X	X
		Monrovia	Liberia	250	X	X		
		Munich	Germany (W)	100		X		
21.460	13.98		U.S.S.R.	100	X	X	X	X
		Delano	U.S.A.	200	X	X	X	X
		Quito	Ecuador	50	X	X	X	X
		Brussels	Belgium		X	X	X	X
21.465	13.98	Berlin	Germany (E)	70	X	X		X
			Philippines	50	X			
			U.S.S.R.					
21.470	13.97	London	U.K.	100	X	X	X	X
21.475	13.97	Aligarh	India	250		X		
			U.S.S.R.	50				
		Berlin	Germany (E)	50	X	X		X
		Brussels	Belgium				X	X
21.480	13.96	Hilversum	Netherlands	100	X	X	X	X
		Meyerton	South Africa	250	X	X	X	X
		Talata Volon	Malagasy Rep.	300				X
21.485	13.96	Darwin	Australia	250			X	X
		Greenville	U.S.A.	250		X	X	X
		Bethany	U.S.A.	250	X	X	X	X
		Vatican	Vatican City	100	X	X	X	X
21.490	13.96	Rio de Janeiro	Brazil	10	X	X	X	X
			U.S.S.R.	100	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
		Okinawa	Ryukyu Is.					
21.495	13.95	Lisbon	Portugal	100	X	X	X	X
21.500	13.95	Brazzaville	Congo Rep. W.	5/50	X	X	X	X
		Delano	U.S.A.	100	X	X	X	X
		Bethany	U.S.A.	140	X	X	X	X
		Berlin	Germany (E)	70	X		X	X
		Brasilia	Brazil	100	X	X	X	X
21.505	13.95		U.S.S.R.	240	X	X	X	X
		Horby	Sweden	100			X	X
21.510	13.95	London	U.K.	250	X	X	X	X
		Greenville	U.S.A.	250				X
			U.S.S.R.	240		X	X	
		Tangier	Morocco	35	X	X	X	X
		Julich	Germany (W)	100				X
		Bogota	Colombia	25				X
21.515	13.94	Bethany	U.S.A.	140	X	X		
		Greenville	U.S.A.	250			X	X
			Philippine.		X	X	X	X
			U.S.S.R.	240	X	X	X	
21.520	13.94	Berlin	Germany (E)	70		X	X	
		Berne	Switzerland	100/150	X	X	X	X
		Monrovia	Liberia	250	X	X	X	X
		Meyerton	South Africa	250	X		X	X
21.525	13.94	Scituate	U.S.A.	100/20	X	X	X	X
			U.S.S.R.					
		Paris	France	100				X
		Sulaibiyah	Kuwait					
21.530	13.93	London	U.K.	100/250	X	X	X	X
			U.S.S.R.	50/120	X	X	X	X
21.535	13.93	London	U.K.			X		X
		Meyerton	South Africa	250	X	X	X	X
		Tokyo	Japan	200	X	X	X	X
		Tangier	Morocco	35		X		
21.540	13.93		U.S.S.R.	100	X	X	X	X
		Shepparton	Australia	50	X	X	X	X
		Berlin	Germany (E)	70	X	X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Brussels	Belgium	50		X		
		Greenville	U.S.A.	50		X		
		Noblejas	Spain	350		X		X
21.545	13.92	Tema	Ghana	100	X	X	X	X
		Meyerton	South Africa	250	X		X	X
21.550	13.92	London	U.K.	250	X	X	X	X
21.555	13.92	Delhi	India			X	X	X
		Brussels	Belgium			X	X	X
21.560	13.91	London	U.K.	250		X	X	X
		Rome	Italy	100	X	X	X	X
		Julich	Germany (W)	100	X	X	X	X
		Munich	Germany (W)	100	X		X	X
		Greenville	U.S.A.	50/250	X	X	X	X
21.565	13.91		U.S.S.R.	100	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
21.570	13.91	Hilversum	Netherlands	100	X	X	X	X
			Philippines	50	X	X	X	X
		Vatican	Vatican City	100	X	X	X	X
		Bonaire	Neth. Antilles	300	X	X	X	X
		Tokyo	Japan	200			X	
21.575	13.91		U.S.S.R.	100	X	X	X	X
21.580	13.90	Julich	Germany (W)	100	X	X	X	
		Paris	France	100	X	X	X	X
		Rio de Janeiro	Brazil	10	X	X	X	X
		Cairo	Egypt	100	X	X		X
21.585	13.90	Kabul	Afghanistan		X		X	X
		Horby	Sweden		X			
			U.S.S.R.		X	X	X	X
		Berne	Switzerland	250		X	X	X
		Sottens	Switzerland	500				X
21.590	13.90	London	U.K.	250	X	X	X	X
		Karachi	Pakistan	50	X	X	X	X
		Greenville	U.S.A.	250	X	X	X	X
		Kabul	Afghanistan					X
21.595	13.90	Sackville	Canada	50	X	X	X	X
		Aligarh	India	250		X		
		Pori	Finland					
21.600	13.89		U.S.S.R.	240	X	X	X	X
		Berlin	Germany (E)	50	X	X		X
		Julich	Germany (W)	100	X	X	X	
		Noblejas	Spain	350		X	X	X
21.605	13.88	Sulaibiyah	Kuwait	250	X		X	X
		Berne	Switzerland	250				X
			U.S.S.R.					
		Meyerton	South Africa	250	X	X		
		R.F.E.		10				
		Pori	Finland					
21.610	13.88	London	U.K.	100/250	X	X	X	X
		Dixon	U.S.A.	100	X	X	X	X
		Greenville	U.S.A.	250	X	X	X	
		Limassol	Cyprus	100	X	X		
			U.S.S.R.					
		Monrovia	Liberia					
21.615	13.87		U.S.S.R.	100				X
		Cairo	Egypt	100	X	X		X
		Delhi	India	100				X
		Aligarh	India	250				
		R.F.E.						
21.620	13.87	Paris	France	100	X	X	X	X
21.625	13.87		U.S.S.R.	100	X	X	X	X
		Horby	Sweden	100			X	
21.630	13.87	London	U.K.	250	X	X	X	X
		Dixon	U.S.A.	200	X	X	X	X
		Noblejas	Spain	350		X		X
		Hilversum	Netherlands	100				X
21.635	13.86		U.S.S.R.	240	X	X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
21.640	13.86	London	U.K.	250	X	X	X	X
		Limassol	Cyprus	100	X	X	X	
		Greenville	U.S.A.	50	X		X	X
		Tokyo	Japan	200	X		X	X
		Bonaire	Neth. Antilles	300	X	X	X	
		Poro	Philippines					
		Hilversum	Netherlands	100				X
21.645	13.86	Paris	France	100	X	X	X	X
			U.S.S.R.	240	X	X	X	X
21.650	13.86	Julich	Germany (W)	100	X	X	X	X
		Greenville	U.S.A.	50	X	X	X	
		Tangier	Morocco	50	X	X	X	X
21.655	13.85	Fredrikstad	Norway	10/100	X	X	X	X
21.660	13.85	Monrovia	Liberia	250	X	X	X	X
		Tangier	Morocco	35		X		
		Greenville	U.S.A.	50/250	X	X	X	X
		Delhi	India	100	X	X	X	X
		Vatican	Vatican City					
21.665	13.85	Budapest	Hungary	5	X	X	X	X
		R.F.E.		50	X	X	X	X
21.670	13.84	Fredrikstad	Norway	10	X	X	X	X
			U.S.S.R.	120	X			
		Wien	Austria	100	X	X		
		Greenville	U.S.A.	50	X	X	X	X
		Malolos	Philippines	100	X			
		Karachi	Pakistan					
21.675	13.84	Paris	France	100	X	X	X	X
			U.S.S.R.				X	
21.680	13.84	London	U.K.	250	X	X	X	X
			U.S.S.R.	100		X	X	
		Shepparton	Australia		X	X	X	X
21.685	13.83	Budapest	Hungary	5	X	X	X	X
		Dacca	Bangla Desh	10	X		X	X
		Sulaibiyah	Kuwait	250	X	X	X	X
			U.S.S.R.					
21.690	13.83	London	U.K.	250	X	X	X	X
		Tangier	Morocco	35/50		X		
		Horby	Sweden	100	X	X	X	X
		Grenada	Brit. W. Indies	100	X		X	
		Monrovia	Liberia	50/250	X	X	X	X
		Hilversum	Netherlands	100	X	X	X	
		Prague	Czechoslovakia	100	X	X	X	X
21.695	13.83	Rome	Italy	30/60	X	X	X	X
		Dixon	U.S.A.	250	X	X	X	X
		Horby	Sweden		X			
		Hilversum	Netherlands	100		X	X	X
		Karachi	Pakistan					
			U.S.S.R.					
21.700	13.83	Lisbon	Portugal	100	X	X	X	X
		Prague	Czechoslovakia	100	X	X	X	X
			Pakistan					

MHz	Metres	Station	Country	kW	M	J	S	D
		Mexico City	Mexico	50				X
21.705	13.82	Julich	Germany (W)	100	X	X		
			U.S.S.R.	200	X			X
		Mexico City	Mexico					
21.710	13.82	London	U.K.	100/250	X	X	X	X
			U.S.S.R.	100	X			
		Islamabad	Pakistan	100				X
21.715	13.81		U.S.S.R.	100	X	X	X	X
		Vatican	Vatican City		X	X	X	X
21.720	13.81	Ejura	Ghana	250	X	X	X	X
		R.F.E.		50	X	X	X	X
		Wien	Austria		X	X	X	X
		Greenville	U.S.A.	250	X		X	
		Karachi	Pakistan					
21.725	13.81	Scituate	U.S.A.			X	X	
			U.S.S.R.	240			X	
		Warsaw	Poland	100	X	X	X	X
		Berne	Switzerland	250	X	X	X	
21.730	13.81	Fredrikstad	Norway	100	X	X	X	X
		Monrovia	Liberia	250		X		
			Philippines				X	X
21.735	13.80	Lisbon	Portugal	100	X	X	X	X
		Prague	Czechoslovakia	100	X	X	X	X
21.740	13.80	London	U.K.	250	X	X	X	X
		Greenville	U.S.A.	250	X	X	X	X
		Shepparton	Australia	50/10	X	X	X	X
		Cairo	Egypt	100	X	X		X
			U.S.S.R.					
21.745	13.80	R.F.E.		50	X	X	X	X
		Dixon	U.S.A.	100		X	X	
		Delano	U.S.A.	250	X			X
			U.S.S.R.	100	X	X	X	
		Talata Volon	Malagasy Rep.	300				X
22.920	13.15		U.S.S.R.					
22.930	13.15	London	U.K.					
22.936	13.15	London	U.K.					
23.194	12.82	London	U.K.					
25.000	12.00	Boulder Std. Freq.	U.S.A.					
25.620	11.70	Delano	U.S.A.	250	X			
25.630	11.70	Aligarh	India	250		X		
25.650	11.70	London	U.K.	100	X	X	X	X
25.670	11.69	London	U.K.	100/250	X	X	X	
25.710	11.67	London	U.K.	100	X	X	X	X
25.730	11.66	Fredrikstad	Norway	10	X	X	X	X
25.750	11.65	London	U.K.	100	X	X		
		Bogota	Colombia	25				X
25.790	11.63	Meyerton	South Africa	250	X	X	X	X
25.800	11.63	Greenville	U.S.A	50	X	X	X	X
25.820	11.60	Aligarh	India	250		X		
25.840	11.61	Vatican	Vatican City	100	X	X	X	X
25.850	11.60	Noblejas	Spain	350		X	X	X

MHz	Metres	Station	Country	kW	M	J	S	D
25.880	11.60	Tangier	Morocco	35	X	X	X	X
25.900	11.59	Fredrikstad	Norway	100	X		X	X
25.950	11.56	Greenville	U.S.A.	50	X	X	X	X
		Monrovia	Liberia	250				X
25.970	11.54	Hilversum	Netherlands				X	
25.990	11.54	Dixon	U.S.A.	250	X			
26.000	11.54	Bethany	U.S.A.	250	X	X	X	X
26.040	11.52	Greenville	U.S.A.	50	X	X	X	X
26.075	11.50	Djakarta	Indonesia	100	X	X	X	X
26.095	11.49	Dixon	U.S.A.	100	X			
26.434	11.36	London	U.K.					
26.440	11.32	London	U.K.					
26.446	11.32	London	U.K.					
26.484	11.31	London	U.K.					
26.490	11.31	London	U.K.					
26.496	11.31	London	U.K.					

GEOGRAPHICAL LIST OF SHORT-WAVE STATIONS OF THE WORLD

	MHz
AFARS and ISSAS	
Djibouti	4.780
AFGHANISTAN	
Kabul	3.390
	4.775
	6.000
	7.200
	9.530
	11.785
	11.790
	11.910
	15.260
	15.262
	15.415
	17.775
	17.780
	17.785
	17.825
	21.585
	21.590
ALBANIA	
Kukes	6.575
Tirane	5.060
	5.945
	5.950
	6.135
	6.185
	6.190
	6.195
	6.200
	6.205
	6.210
	6.560
	7.055
	7.060
	7.065
	7.070
	7.075
	7.080
	7.085
	7.090
	7.100
	7.110
	7.120
	7.145
	7.210
	7.290
	7.295
Tirane	7.300
	7.305
	7.310
	7.315
	7.335
	9.350
	9.370
	9.390
	9.426
	9.480
	9.490
	9.500
	9.510
	9.715
	9.745
	9.750
	9.755
	9.760
	9.775
	9.780
	9.790
	9.795
	11.745
	11.840
	11.845
	11.850
	11.865
	11.955
	11.980
	11.985
	11.990
	15.400
	15.410
	15.405
ALGERIA	
Algiers	6.080
	6.145
	6.160
	7.145
	7.160
	7.220
	7.250
	9.510
	9.600
	9.610
	9.635
	9.660
	9.685
	9.725
Algiers	9.765
	11.715
	11.810
	11.835
	11.855
	11.860
	11.920
	11.965
	15.200
	15.285
	15.340
	15.390
	15.410
	15.415
	15.420
	15.440
	17.890
ANGOLA	
Benguela	5.042
	6.150
	7.160
Cabinda	5.035
Carmona	4.850
Cuenza	4.780
Dundo	4.770
	9.615
Luanda	3.355
	3.375
	3.395
	4.820
	4.985
	5.960
	6.175
	7.140
	7.215
	7.245
	7.265
	9.535
	9.630
	9.660
	11.875
Malange	4.976
Mocamedes	3.215
	5.015
Nova Lisboa	3.704
	5.060
Novo Redondo	3.272
	4.855
	3.970

	MHz		MHz		MHz
Angola-contd		Darwin	6.055	Shepparton	11.840
Sa Da			6.100		11.880
Bandeira	4.795		6.160		15.125
	5.025		7.140		15.220
	7.290		7.145		15.240
Saurimo	4.860		9.700		15.320
Silva Porto	4.895		9.730		15.405
			9.735		17.715
ARGENTINE			11.760		17.795
Buenos Aires	5.985		11.810		17.820
	6.060		11.840		17.870
	6.090		15.140		21.540
	6.120		15.355		21.680
	9.690		15.395		21.740
	9.710		17.715	Sydney	6.090
	9.740		21.485	Unknown	9.450
	9.760	Lyndhurst	5.995		11.910
	10.000		6.150		
	11.710		9.680	AUSTRIA	
	11.755		11.880	Innsbruck	6.000
	11.780		15.140	Perchtolds-dorf	7.040
	11.880		15.160		
	15.000		15.230	Wien	6.155
	15.290		15.240		6.255
	15.345		15.295		7.110
Malargue	6.160	Perth	6.140		7.180
Mendoza	6.180		7.180		7.245
			7.290		7.250
ASCENSION			9.610		9.510
Ascension	6.005		9.665		9.575
	6.010		15.425		9.610
	7.105	Shepparton	5.980		9.645
	9.510		5.985		9.680
	9.580		7.135		9.690
	9.600		7.175		9.745
	11.705		7.185		9.765
	11.740		7.220		9.770
	11.750		7.235		11.715
	11.820		9.540		11.725
	11.860		9.550		11.735
	15.105		9.560		11.785
	15.235		9.570		11.790
	15.260		9.580		11.855
	15.320		9.590		11.860
	15.360		9.600		11.925
	15.400		9.665		15.145
	17.740		9.680		15.200
	17.870		11.710		15.210
			11.740		15.230
AUSTRALIA			11.765		15.325
Brisbane	4.920		11.790		15.335
	9.660		11.810		15.410

	MHz
Austria-contd	
Wien	17.705
	17.710
	17.740
	17.755
	17.780
	17.785
	17.795
	17.835
	17.850
	17.870
	21.670
	21.720
AZORES	
Ponta Delgada	4.865
BANGLA DESH	
Dacca	3.980
	4.915
	5.855
	5.885
	5.955
	5.985
	7.095
	7.240
	7.260
	9.425
	9.560
	9.600
	9.850
	9.870
	11.600
	11.618
	11.635
	11.650
	11.672
	11.805
	15.235
	15.520
	15.525
	17.936
	17.960
	18.080
	21.685
BELGIUM	
Brussels	6.010
	6.125
	6.170
	9.515
Brussels	9.550
	9.575
	9.610
	9.615
	9.640
	11.710
	11.715
	11.725
	11.730
	11.735
	11.750
	11.755
	11.790
	11.795
	11.875
	11.880
	11.910
	11.930
	11.970
	15.165
	15.230
	15.235
	15.255
	15.325
	15.330
	15.335
	15.405
	17.700
	17.705
	17.720
	17.740
	17.745
	17.750
	17.780
	17.815
	17.845
	17.855
	17.860
	17.870
	21.450
	21.460
	21.475
	21.540
	21.555
Wavre	5.965
BOLIVIA	
Cochabamba	5.975
La Paz	4.845
	4.975
	4.980
	5.045
La Paz	5.965
	6.005
	6.035
	6.070
	6.115
	6.125
	6.155
	6.185
	6.195
	9.505
	9.555
	11.765
	11.775
La Paz/ Cochabamba	6.015
Llallagua	5.955
Oruro	4.754
	6.055
Potosi	9.605
R. Neuva America	4.795
Santa Cruz	3.320
	4.855
	6.135
	6.170
	6.175
	9.300
Sucre	5.995
	9.715
Tarija	6.140
Unknown	4.875
BOTSWANA	
Gaberones	3.355
	4.845
Sebele	5.965
	9.590
BRAZIL	
Alagos	3.315
Aparacida	9.635
Araquara	4.914
Bahia	4.765
	4.895
Bauru	3.275
Belem	3.335
	4.865
	15.245
Belo Horizonte	6.000
	6.175
	15.190
Boavista	4.835

	MHz
Brazil-contd	
Bragance	4.945
Brasilia	5.990
	6.065
	9.665
	11.720
	15.445
	15.450
	21.500
Campina	3.325
	4.755
Campogrande	3.295
Campos	4.955
Cuiba	5.055
Curituiba	6.045
	9.945
	15.115
Floriana-polis	5.975
Fortaleza	4.775
	6.105
	15.165
Goiania	4.995
	5.035
	9.755
	11.735
	11.815
Guarulpos	3.325
Juiz de Fora	4.925
Londrino	3.365
Macapa	4.915
Maceio	3.245
Manaos	4.805
	9.695
Marilia	3.255
Natal	4.935
Paranahyba	4.825
Petrolopis	4.815
Pocos de Caldas	4.885
	9.645
Porto Alegre	5.965
	6.135
	9.675
	9.730
	11.785
	11.915
	15.335
Recife	6.015
	6.085
	9.965
	11.825
	11.865
Recife	15.145
Ribeirao Preto	3.265
	15.415
Rio de Janeiro	4.875
	4.905
	5.045
	6.035
	6.115
	6.145
	6.195
	9.515
	9.575
	9.610
	9.705
	9.720
	9.770
	11.795
	11.805
	11.885
	11.950
	15.105
	15.185
	15.205
	15.295
	15.370
	17.755
	17.850
	17.875
	21.490
	21.580
Salvador	9.595
	11.875
	15.125
	15.225
Sao Luiz	4.785
	4.975
Sao Paulo	4.775
	5.955
	6.025
	6.055
	6.095
	6.125
	6.165
	6.185
	9.505
	9.585
	9.620
	9.685
	9.745
	11.745
	11.765
	11.855
Sao Paulo	11.925
	11.965
	15.155
	15.262
	15.325
	15.445
	17.815
Tau Bate	4.855
Teresina	3.385
	4.845
Unknown	5.025
BRIT. HONDURAS	
Belize	3.300
BRIT. W. INDIES	
Bridgetown	7.547
Grenada	5.015
(Windward Is.)	9.550
	11.900
	11.930
	11.970
	11.975
	15.100
	15.105
	15.110
	15.115
	21.690
St. Georges	3.280
Turk Is.	4.788
BULGARIA	
Sofia	6.040
	6.060
	6.070
	6.160
	7.255
	7.670
	9.550
	9.560
	9.620
	9.700
	9.750
	11.725
	11.765
	11.970
	15.310
	17.825
Unknown	5.920
BURMA	
Rangoon	4.725

	MHz
Burma-contd	
Rangoon	5.040
	6.035
	7.120
	9.725
	9.755
BURUNDI	
Bujumbura	3.300
	4.895
	6.140
CAMBODIA	
Phnom Penh	4.907
	5.940
	6.090
CAMEROON	
Buer	3.970
	6.005
Garoura	5.010
	7.240
Yaounde	4.972
	7.205
CANADA	
Calgary	6.030
Canadian Obs	3.330
Dominion Obs	7.335
Halifax	6.130
Montreal	6.005
St. Johns	6.160
Sackville	5.955
	5.970
	5.975
	5.990
	6.060
	9.460
	9.605
	9.615
	9.625
	9.630
	9.700
	9.745
	11.705
	11.710
	11.720
	11.780
	11.845
	11.850
	11.855
Sackville	11.865
	11.935
	11.945
	11.950
	15.110
	15.165
	15.190
	15.275
	15.315
	15.320
	15.325
	15.365
	15.375
	15.440
	17.820
	17.855
	21.595
Sydney	6.010
Toronto	6.070
Vancouver	6.080
	6.160
CANARY IS.	
Las Mesas	11.800
	15.365
CAPE VERDE IS.	
Barlavento	3.930
Mindelo	4.715
Praia	3.900
	6.025
Sao Vincente	4.720
Unknown	3.886
CENT. AFRICAN REP.	
Bangui	5.035
	7.220
CEYLON	
Colombo	3.385
	5.020
	5.076
	6.005
	6.075
	6.130
	6.185
	7.105
	7.110
	7.190
	7.275
	9.670
	9.720
Colombo	11.795
	11.800
	11.835
	15.120
	15.150
	15.230
	15.285
	17.830
Ekala	11.740
CHAD	
Fort Lamy	4.905
	7.120
	9.615
CHILE	
Santiago	5.970
	5.975
	6.190
	9.570
	9.590
	15.150
Unknown	11.740
CHINA NAT.	
Panchiao	17.890
Tamsui	3.335
Taipei	3.990
	5.960
	5.970
	5.980
	5.985
	5.995
	6.040
	6.090
	6.105
	7.130
	7.150
	7.180
	7.185
	7.200
	7.215
	7.240
	7.250
	7.260
	7.280
	7.465
	9.510
	9.575
	9.630
	9.660
	9.685

	MHz		MHz		MHz
China Nat. -contd		Kweiyang	7.275	Peking	5.250
Taipei	9.690	Lanchow	4.865		5.295
	9.745		5.010		5.320
	9.765	Nanning	5.930		5.430
	9.775	Peking	3.390		5.505
	11.725		3.450		5.525
	11.825		3.560		5.545
	11.860		3.660		5.575
	11.905		3.830		5.605
	11.940		3.900		5.793
	11.970		3.915		5.797
	15.125		3.920		5.803
	15.225		3.930		5.810
	15.280		3.950		5.830
	15.320		3.960		5.850
	15.345		3.970		5.855
	15.370		3.980		5.880
	17.720		3.985		5.935
	17.780		4.020		5.950
Taiwan	3.325		4.030		5.975
	3.965		4.035		6.175
	7.510		4.055		6.210
			4.068		6.225
CHINA REP.			4.103		6.250
Chengtu	3.245		4.200		6.255
	7.225		4.210		6.270
Foochow	4.975		4.220		6.280
Fukien Front	2.600		4.250		6.285
Stn.	2.800		4.380		6.290
	3.200		4.460		6.295
	3.400		4.480		6.300
	3.535		4.620		6.315
	3.900		4.780		6.320
	4.380		4.815		6.345
	4.840		4.838		6.370
	5.170		4.860		6.400
	5.240		4.880		6.405
	5.900		4.905		6.410
	6.400		4.960		6.430
	6.765		4.990		6.480
	7.025		4.997		6.495
	7.280		5.020		6.520
	8.195		5.040		6.530
Hangkow	6.620		5.050		6.540
Harbin	4.910		5.075		6.550
	5.950		5.125		6.555
Kunming	4.785		5.135		6.560
	5.960		5.140		6.570
	6.935		5.145		6.590
Kweichow	7.180		5.155		6.610
	7.240		5.162		6.645
Kweiyang	3.260		5.220		6.650

	MHz		MHz		MHz
China Rep. -contd		Peking	7.470	Peking	9.380
Peking	6.655		7.480		9.387
	6.660		7.490		9.390
	6.710		7.496		9.397
	6.750		7.505		9.440
	6.780		7.525		9.460
	6.790		7.590		9.480
	6.810		7.600		9.490
	6.820		7.620		9.495
	6.825		7.660		9.500
	6.850		7.700		9.510
	6.860		7.770		9.575
	6.885		7.780		9.590
	6.890		7.785		9.600
	6.895		7.820		9.605
	6.930		7.825		9.615
	6.955		7.830		9.620
	6.974		7.905		9.625
	6.980		8.240		9.635
	6.995		8.260		9.750
	7.000		8.290		9.755
	7.005		8.300		9.775
	7.010		8.345		9.785
	7.015		8.425		9.790
	7.025		8.450		9.795
	7.030		8.490		9.800
	7.035		8.660		9.820
	7.040		9.012		9.860
	7.055		9.020		9.870
	7.060		9.025		9.880
	7.080		9.030		9.890
	7.095		9.060		9.900
	7.125		9.064		9.910
	7.130		9.080		9.920
	7.185		9.135		9.925
	7.190		9.170		9.930
	7.265		9.180		9.933
	7.290		9.210		9.940
	7.315		9.240		9.945
	7.325		9.280		9.965
	7.335		9.285		10.000
	7.350		9.290		10.175
	7.355		9.295		10.208
	7.365		9.300		10.260
	7.375		9.335		10.440
	7.400		9.340		10.555
	7.410		9.345		10.660
	7.420		9.350		10.865
	7.425		9.360		11.100
	7.430		9.365		11.120
	7.435		9.370		11.205
	7.450		9.375		11.280

	MHz		MHz		MHz
China Rep. -contd		Peking	12.405	Peking	15.575
Peking	11.290		12.450		15.590
	11.330		13.700		15.670
	11.340		13.845		15.710
	11.350		14.416		15.735
	11.375		14.990		15.880
	11.413		15.015		16.104
	11.445		15.030		16.270
	11.455		15.045		16.342
	11.500		15.048		16.373
	11.505		15.060		16.435
	11.515		15.065		17.220
	11.526		15.070		17.488
	11.590		15.080		17.505
	11.595		15.095		17.532
	11.600		15.115		17.570
	11.620		15.120		17.590
	11.630		15.135		17.605
	11.650		15.140		17.630
	11.655		15.160		17.650
	11.660		15.165		17.675
	11.665		15.175		17.680
	11.675		15.195		17.700
	11.685		15.200		17.705
	11.695		15.210		17.715
	11.700		15.220		17.735
	11.720		15.225		17.745
	11.730		15.230		17.795
	11.735		15.240		17.805
	11.740		15.255		17.810
	11.780		15.262		17.815
	11.785		15.270		17.820
	11.790		15.280		17.825
	11.795		15.285		17.830
	11.800		15.300		17.835
	11.820		15.305		17.840
	11.845		15.325		17.855
	11.860		15.350	Shenyang	4.832
	11.915		15.360	Silinhot	4.527
	11.925		15.385		4.952
	11.975		15.390	Sining	6.260
	11.980		15.420		6.500
	11.990		15.435	Tengkou	4.003
	12.010		15.450	Urumchi	3.350
	12.015		15.465		4.110
	12.055		15.480		4.220
	12.060		15.490		4.400
	12.075		15.500		4.500
	12.080		15.510		4.542
	12.112		15.515		5.030
	12.120		15.520		5.057
	12.127		15.550		5.272

China Rep. -contd	MHz
Urumchi	5.440
	5.800
	5.923
	5.927
	6.280
	7.052
	7.385
	9.250
	9.275
	9.600
	10.530
Unknown	3.815
	3.940
	3.945
	6.125
	6.185
	6.340
	6.600
	6.965
	7.250
	9.645
	9.685
	9.730
	15.000
	15.320
	15.375
COLOMBIA	
Barranquilla	4.906
Bogota	4.775
	4.955
	4.965
	5.960
	5.970
	6.020
	6.030
	6.075
	6.125
	6.160
	6.180
	9.635
	9.685
	11.795
	11.825
	15.335
	17.885
	21.510
	25.750
Bucaramanga	4.845
Cali	6.055
	6.140
Cali	6.195
Colombo	4.870
	4.900
	4.968
Espinal	6.095
Guatapuri	4.916
Ibaque	6.040
Medellin	5.980
	6.065
	6.105
Neiva	4.855
	4.945
Ocana	4.765
Popayan	6.145
	6.150
Pasto	4.825
Pereira	5.995
	6.010
Sutatenza	5.075
	5.095
Todelar	5.942
Tumaco	6.015
Tunja	5.985
Villavicencio	6.115
COMORO IS.	
Comores	4.740
Dzaudzi	3.330
Maldives	7.225
Moroni	7.260
CONGO REP. W.	
Brazzaville	3.232
	3.265
	4.765
	4.795
	4.802
	6.115
	7.105
	7.175
	9.610
	9.715
	11.710
	11.720
	11.725
	15.190
	17.785
	21.500
COOK IS.	
Rarotonga	5.045
	9.695
Rarotonga	11.760
COSTA RICA	
Port Limon	5.955
San Jose	4.832
	6.005
	6.035
	6.040
	6.075
	6.150
	9.615
	9.645
CUBA	
Havana	6.060
	9.525
	9.550
	9.655
	9.665
	9.680
	9.760
	9.765
	11.715
	11.735
	11.760
	11.830
	11.840
	11.865
	11.930
	11.955
	11.960
	11.970
	15.155
	15.190
	15.230
	15.260
	15.270
	15.285
	15.300
	15.365
	17.715
	17.730
	17.735
	17.815
	17.825
	17.855
	17.885
CYPRUS	
Limassol	6.010
	6.050
	6.070

	MHz
Cyprus-contd	
Limassol	6.120
	6.130
	6.150
	7.120
	7.130
	7.140
	7.145
	7.150
	7.210
	7.230
	7.250
	7.260
	9.610
	9.625
	9.650
	9.690
	9.770
	11.720
	11.760
	11.770
	11.780
	11.905
	11.910
	11.925
	11.945
	11.955
	15.105
	15.235
	15.285
	15.420
	15.435
	17.885
	21.610
	21.640
Nicosia	15.260
CZECHOSLOVAKIA	
Prague	5.930
	6.055
	6.140
	7.345
	9.505
	9.515
	9.540
	9.600
	9.605
	9.630
	11.780
	11.800
	11.900
	11.990
Prague	15.240
	15.262
	15.310
	15.340
	15.365
	15.435
	15.445
	17.840
	21.690
	21.700
	21.735
DAHOMEY	
Cotonou	3.270
	4.870
	7.190
DENMARK	
Copenhagen	9.520
	11.895
	15.165
DOMINICAN REP.	
La Romana	5.030
Maguana	3.375
Puerta Plata	6.190
Santiago	3.365
	3.405
	6.060
	6.075
	6.120
Santo Domingo	4.782
	4.825
	4.880
	4.910
	4.930
	4.963
	5.010
	6.090
	6.110
	6.130
	9.505
	9.590
S. Pedro-macoris	6.025
ECUADOR	
Bahia	4.865
Calceta	3.570
Cuenca	4.980
El Angel	4.830
Esmeraldas	3.340
Galapagos Is.	6.255
Gonzanama	6.572
Guayaquil	4.749
	4.790
Pasaje	3.315
Quevedo	3.320
Quito	4.650
	4.684
	4.780
	4.910
	4.923
	4.940
	4.970
	5.060
	5.960
	5.965
	6.050
	6.130
	6.135
	9.530
	9.605
	9.615
	9.710
	9.715
	9.720
	9.745
	9.750
	11.735
	11.745
	11.765
	11.775
	11.780
	11.830
	11.910
	11.915
	15.115
	15.135
	15.155
	15.300
	15.375
	15.415
	17.740
	17.755
	17.780
	17.820
	17.860
	17.865
	17.870
	17.875
	17.880
	17.885
	17.890

	MHz
Ecuador-contd	
Quito	21.460
Zaracay	3.390
Unknown	4.770
	4.800
EGYPT	
Abu Zabul	7.235
	9.565
Cairo	6.230
	7.050
	7.075
	7.160
	7.215
	7.255
	9.455
	9.475
	9.495
	9.550
	9.580
	9.590
	9.615
	9.625
	9.630
	9.645
	9.675
	9.700
	9.735
	9.740
	9.755
	9.770
	9.805
	9.830
	9.850
	11.630
	11.745
	11.805
	11.855
	11.865
	11.885
	11.890
	11.915
	11.940
	11.955
	11.980
	12.005
	15.055
	15.085
	15.135
	15.150
	15.160
	15.175
Cairo	15.195
	15.230
	15.260
	15.315
	15.330
	15.340
	15.380
	15.475
	17.610
	17.625
	17.640
	17.655
	17.670
	17.685
	17.690
	17.700
	17.725
	17.745
	17.760
	17.765
	17.785
	17.805
	17.830
	17.845
	17.865
	17.880
	17.885
	17.900
	17.920
	17.925
	21.580
	21.615
	21.740
EL SALVADOR	
El Salvador	5.980
San Salvador	9.555
ETHIOPIA	
Addis Ababa	6.065
	6.185
	9.610
	9.705
	9.730
	11.795
	11.890
	11.955
	15.400
	17.735
	17.770
Gedja	7.145
	7.170
	7.290
	9.535
	9.570
	9.630
	9.675
	9.680
	9.695
	9.725
	11.710
	11.735
	11.745
	11.770
	11.800
	11.810
	11.855
	11.865
	11.875
	11.910
	15.170
	15.180
	15.185
	15.190
	15.215
	15.220
	15.235
	15.250
	15.255
	15.262
	15.300
	15.315
	15.320
	15.370
	15.385
	15.405
	15.425
	17.755
	17.775
	17.780
	17.815
FALKLAND IS.	
Port Stanley	3.958
FIJI	
Suva	3.230
	3.284
	5.955
	6.005
	7.195

	MHz
FINLAND	
Pori	6.120
	9.525
	9.530
	9.550
	9.555
	9.585
	11.755
	15.185
	21.595
	21.605
FRANCE	
Allouis	5.960
	7.225
	9.555
Paris	3.965
	5.955
	6.010
	6.145
	6.175
	7.155
	7.160
	7.255
	7.280
	7.285
	9.520
	9.525
	9.530
	9.560
	9.585
	9.605
	9.620
	9.700
	11.725
	11.745
	11.775
	11.840
	11.845
	11.910
	11.920
	11.930
	11.960
	11.965
	12.255
	15.120
	15.135
	15.155
	15.160
	15.245
	15.295
	15.315
Paris	15.335
	15.375
	17.720
	17.730
	17.765
	17.850
	21.525
	21.580
	21.620
	21.645
	21.675
Unknown	6.220
FRENCH GUIANA	
Cayenne	3.385
	6.170
GABON REP.	
Franceville	3.350
	6.030
Libreville	3.300
	4.777
	7.270
	9.700
GAMBIA	
Bathurst	4.820
GERMANY (EAST)	
Berlin	4.525
	5.955
	6.005
	6.010
	6.080
	6.100
	6.105
	6.115
	6.125
	6.165
	7.185
	7.215
	7.295
	7.300
	7.335
	9.500
	9.505
	9.535
	9.560
	9.600
	9.620
Berlin	9.645
	9.650
	9.665
	9.725
	9.730
	9.755
	11.700
	11.705
	11.765
	11.785
	11.795
	11.810
	11.820
	11.840
	11.875
	11.890
	11.970
	11.975
	15.100
	15.105
	15.115
	15.126
	15.130
	15.145
	15.180
	15.240
	15.255
	15.270
	15.330
	15.390
	15.400
	15.415
	15.425
	15.445
	15.450
	17.700
	17.705
	17.725
	17.755
	17.775
	17.795
	17.825
	17.830
	17.880
	17.895
	17.900
	21.465
	21.475
	21.500
	21.520
	21.540
	21.600

GERMANY (WEST)	MHz		MHz		MHz
Bremen	6.190	Julich	15.325	Wertachtal	6.075
Julich	5.195		15.410		6.130
	5.995		15.435		6.155
	6.040		16.442		6.160
	6.075		17.705		6.175
	6.100		17.765		7.150
	6.120		17.800		9.510
	6.130		17.820		9.585
	6.145		17.845		9.610
	6.185		17.875		9.620
	6.975		21.510		9.640
	7.130		21.540		9.650
	7.145		21.560		9.690
	7.150		21.580		9.735
	7.175		21.600		11.785
	7.235		21.650		11.795
	7.285		21.705		11.810
	8.065	Munich	3.980		11.850
	8.132		5.955		11.865
	9.505		5.965		11.895
	9.545		6.005		11.905
	9.565		6.040		11.925
	9.605		6.080		11.965
	9.610		6.085		15.150
	9.620		6.090	Unknown	5.435
	9.640		6.095	'Radio Free	3.960
	9.650		6.145	Europe'	3.970
	9.655		6.150		3.995
	9.665		7.170		4.465
	9.670		7.260		4.565
	9.690		7.290		5.125
	9.735		9.530		5.790
	9.765		9.540		5.970
	11.765		9.585		5.985
	11.785		9.660		6.075
	11.795		9.670		6.105
	11.850		9.680		6.115
	11.865		9.740		6.135
	11.905		9.760		6.170
	11.925		11.710		7.115
	11.945		11.955		7.145
	11.965		15.310		7.165
	15.150		17.705		7.190
	15.165		17.855		7.200
	15.185		19.481		7.215
	15.225		21.455		7.235
	15.235		21.560		7.245
	15.245	Nauen	17.755		7.255
	15.262	Rohrodorf	7.265		9.090
	15.275	Stuttgart	6.030		9.505
	15.320	Wertachtal	6.000		9.565
			6.040		9.595

Germany (West)-contd	MHz
'Radio Free Europe'	9.655
	9.695
	9.705
	9.725
	10.420
	10.855
	11.725
	11.815
	11.825
	11.885
	11.895
	11.915
	15.115
	15.145
	15.170
	15.215
	15.255
	15.285
	15.355
	15.540
	17.445
	17.725
	17.735
	17.770
	17.805
	17.835
	17.865
	21.605
	21.615
	21.665
	21.720
'Radio Liberty'	3.990
	5.955
	6.170
	7.155
	7.180
	7.220
	7.295
	9.520
	9.555
	9.580
	9.660
	9.680
	9.750
	11.725
	11.770
	11.855
	11.875
	11.935
	11.970
	15.105

	MHz
'Radio Liberty'	15.125
	15.130
	15.225
	15.290
	15.340
	15.370
	15.380
	15.445
	17.720
	17.750
	17.780
	17.790
	17.845
	17.855
	17.865
	17.875
	17.895
GHANA	
Accra	3.990
	4.915
Ejura	5.990
	9.640
	9.760
	11.800
	11.850
	15.285
	17.870
	21.720
Tema	3.366
	3.350
	4.980
	6.070
	6.130
	7.295
	9.545
	15.285
	21.545
GREECE	
Athens	6.045
	6.075
	7.295
	9.605
	11.720
	11.925
	15.345
	15.425
	17.780
Jannina	7.088

	MHz
Kavalla	6.030
	6.065
	6.085
	6.095
	6.140
	6.150
	6.160
	7.270
	7.285
	9.670
	9.680
Rhodes	6.015
	6.060
	6.075
	6.145
	7.110
	7.155
	7.205
	7.270
	9.505
	9.530
	9.660
	11.845
	11.855
	11.860
	11.870
	15.105
	15.160
Salonika	5.990
	6.160
	7.170
	7.205
	7.270
	7.285
	7.290
	9.530
	9.540
	9.585
	9.620
	9.660
	9.680
	9.710
	11.710
	11.760
	11.805
	11.840
	11.935
	11.960
	15.245
	15.315
Serrai	5.955
Thessaloniki	15.235

	MHz
GREENLAND	
Godthaab	3.999
	5.960
	5.980
	9.575
	11.745
GUATEMALA	
Chortis	3.380
Flores Peten	6.190
Guatemala City	5.955
	6.180
	9.505
Heuhuetenango	3.325
Quezaltenango	11.705
San Raimundo	4.920
Santa Cruz	4.870
GUINEA	
Bata	4.925
Conakry	4.900
	4.910
	7.125
	9.650
	15.310
Santa Isobel	6.250
GUINEA (PORTUGESE)	
Bissau	4.970
	5.042
GUYANA	
Georgetown	3.265
	5.980
HAITI	
Cap Haitien	6.120
	6.155
	9.770
	11.835
	15.280
	15.960
Cayes	6.100
	9.635
Les Gonaives	5.020
Port au Prince	5.900
	5.950
	5.985
	6.005
	6.025
Port au Prince	6.055
	6.195
	9.545
	15.270
Port de Paix	5.040
St. Marc	6.080
HAWAII	
Honolulu	5.000
	10.000
	15.000
HONDURAS REP.	
Danli	4.755
Jutigalpa	4.780
	6.145
La Ceiba	6.135
	6.195
San Pedro Sula	5.965
	5.995
	6.125
	6.185
S. Barbara	6.075
S. Rosa de Copan	5.960
Tegucigalpa	4.820
	5.875
	6.020
	6.035
	6.050
	6.060
	6.085
	6.095
	6.110
	6.165
Tela	4.790
HUNGARY	
Budapest	5.975
	5.980
	6.025
	6.055
	6.110
	6.165
	6.170
	6.175
	7.100
	7.220
	9.500
	9.833
	11.910
	15.153
Budapest	15.160
	15.165
	17.795
	17.840
	17.890
	21.665
	21.685
INDIA	
Aligarh	9.525
	9.530
	9.570
	9.615
	9.630
	9.690
	9.705
	11.710
	11.740
	11.775
	11.790
	11.810
	11.850
	11.885
	11.945
	15.160
	15.165
	15.190
	15.205
	15.255
	15.335
	15.340
	17.705
	17.800
	17.845
	17.860
	17.875
	21.475
	21.595
	21.615
	25.630
	25.820
Bhopal	3.315
	5.990
	7.180
Bombay	4.840
	6.035
	7.240
	9.570
	9.575
	9.580
	11.735
	11.830

	MHz		MHz		MHz
India-contd		Delhi	9.765	Delhi	17.760
Bombay	11.870		9.912		17.775
	11.895		10.335		17.780
	15.130		11.620		17.820
	17.705		11.710		17.830
Calcutta	4.820		11.715		17.840
	7.210		11.725		17.845
Delhi	3.295		11.740		17.860
	3.365		11.765		17.875
	3.905		11.775		21.555
	3.925		11.790		21.615
	4.760		11.810		21.660
	4.860		11.850	Gauhati	3.235
	4.960		11.855		3.375
	6.035		11.865		4.775
	6.040		11.885		5.970
	6.050		11.895		7.150
	6.120		11.910		7.280
	6.145		11.920	Hyderabad	4.800
	6.160		11.925		7.140
	6.170		11.935	Kohima	6.065
	6.190		11.945		7.170
	7.105		11.960	Kurseong	3.355
	7.110		15.080		7.230
	7.120		15.105	Lucknow	6.170
	7.125		15.125		7.250
	7.160		15.130	Madras	4.920
	7.165		15.135		6.085
	7.170		15.145		7.105
	7.195		15.160		7.160
	7.215		15.165		7.235
	7.225		15.170		7.260
	7.235		15.180		9.510
	7.285		15.185		9.530
	7.290		15.190		9.750
	9.525		15.205		15.335
	9.530		15.225	Simla	3.223
	9.535		15.230		6.020
	9.570		15.235	Unknown	3.930
	9.585		15.250		
	9.590		15.260		
	9.600		15.275		
	9.625		15.290	INDONESIA	
	9.630		15.310	Air Force	3.410
	9.670		15.335	Stn.	11.320
	9.675		15.340	Amboina	7.140
	9.690		15.430	Banda Atjeh	4.955
	9.695		17.380	Bandjarmasin	3.250
	9.705		17.705		5.970
	9.740		17.715	Bandung	3.970
	9.755		17.745		4.945
	9.760		17.755	Biak	7.210

	MHz
Indonesia-contd	
Brunei	7.215
Bukittingi	4.908
	3.945
Denpassar	7.120
Djajapura	3.325
	6.070
Djakarta	3.277
	4.765
	4.805
	4.885
	4.895
	4.920
	5.985
	6.045
	6.060
	6.105
	6.200
	7.100
	7.175
	7.190
	7.220
	7.255
	7.270
	9.510
	9.580
	9.585
	9.745
	9.765
	9.770
	9.790
	11.715
	11.720
	11.740
	11.770
	11.790
	11.795
	11.865
	11.870
	11.885
	11.940
	15.120
	15.150
	15.250
	15.340
	15.345
	17.740
	17.810
	26.075
Djambi	3.315
	3.375
	4.927
Gorontalo	4.900
Jogjakarta	5.046
	7.105
	7.110
Kenairi	5.055
Kupang	3.385
	7.165
Makassar	4.720
	4.755
	9.550
	11.750
Manokwari	6.185
Medan	3.396
	3.415
	4.765
	5.030
	5.085
	7.240
Menado	5.990
	7.295
Merauke	3.985
	7.185
	15.120
Pedang	3.960
	6.170
	6.190
Palembang	4.855
	6.200
Pakanbaru	5.850
	5.955
Pinang	4.940
Pontianak	3.340
	3.345
	4.820
Saban	6.604
Samarinda	3.295
	6.135
Sarong	4.873
	9.600
Semarang	3.935
Sibolga	4.775
Sincaradja	3.390
Surabaya	3.356
	3.975
Tanjang Pinang	4.932
Ternate	3.915
Unknown	3.325
	3.365
	3.575
	3.700
	4.860
IRAN	
Gorgan	6.550
Rezaiyeh	6.905
	6.940
Samanda	6.818
Tabriz	6.025
Teheran	3.780
	7.065
	7.037
	7.137
	9.020
	11.735
	12.165
	12.180
	15.085
	15.135
IRAQ	
Abu Ghurayb	11.855
Baghdad	3.240
	3.960
	6.030
	6.095
	6.155
	6.190
	7.180
	7.240
	7.250
	7.410
	9.610
	9.635
	9.745
	11.785
	11.860
	15.200
	15.400
	15.435
	17.740
	17.770
	17.800
ISRAEL	
A. Forces Radio	10.065
A. Forces Stn.	6.332
Jerusalem	6.170
	6.180
	7.190
	7.225
	9.625
	9.685
	9.725

	MHz
Israel-contd	
Tel Aviv	6.015
	9.009
ITALY	
Caltanissetta	6.060
	7.175
	9.515
Rome	3.995
	5.000
	5.990
	6.010
	6.025
	6.050
	6.060
	6.075
	7.235
	7.275
	7.290
	9.575
	9.630
	9.710
	11.800
	11.810
	11.875
	11.905
	15.230
	15.315
	15.330
	15.340
	15.385
	15.400
	15.410
	17.740
	17.755
	17.770
	17.795
	17.815
	21.560
	21.695
Torino	5.000
IVORY COAST	
Abidjan	3.242
	4.940
	6.015
	7.215
	11.920
JAMMU AND KASHMIR	
Jammu	5.960
Kashmir	3.275
Kashmir	3.406
	3.940
	5.945
Srinagar	7.270
JAPAN	
Hiroshima	6.175
Hokkaido	3.945
	3.910
Tokyo	3.925
	5.000
	6.005
	6.030
	6.055
	6.080
	6.130
	6.140
	6.155
	6.190
	7.095
	7.105
	7.140
	7.195
	7.230
	7.285
	9.500
	9.505
	9.525
	9.530
	9.535
	9.550
	9.560
	9.595
	9.655
	9.675
	9.705
	9.735
	9.760
	9.765
	10.000
	11.705
	11.750
	11.780
	11.815
	11.840
	11.875
	11.940
	11.950
	11.965
	15.000
	15.105
	15.195
Tokyo	15.235
	15.260
	15.300
	15.310
	15.385
	15.390
	15.420
	15.445
	17.725
	17.745
	17.785
	17.825
	17.855
	17.880
	21.535
	21.570
	21.640
JORDAN	
Amman	7.155
	9.530
	9.560
	11.795
	11.810
	15.170
KENYA	
Langata	4.915
Nairobi	4.805
	4.850
	4.880
	4.950
	7.125
	7.140
	7.150
	7.210
	7.240
	7.295
	9.665
KOREA (NORTH)	
Kanggye	4.400
Pyongyang	2.850
	3.175
	3.320
	3.560
	4.273
	4.410
	4.770
	5.870
	6.250
	6.260
	6.290

	MHz
Korea (North)-contd	
Pyongyang	6.400
	6.450
	6.480
	6.540
	6.600
	7.580
	9.540
	9.580
	11.350
	11.755
	13.520
	15.150
	16.320
Unknown	5.545
KOREA (SOUTH)	
Gunsan	6.100
	11.710
Kyung San	5.975
Seoul	3.915
	3.985
	9.640
Suwon	6.135
	9.515
	11.950
	15.155
	15.335
	15.430
Taegu	2.510
KUWAIT	
Magwa	9.650
Kuwait	4.967
	4.989
	9.520
	11.730
	11.845
Sulaibiyah	6.055
	7.225
	9.595
	11.825
	11.925
	11.940
	15.125
	15.150
	15.345
	21.525
	21.605
	21.685
LAOS	
Vientiane	6.130
	7.145
	7.200
Unknown	8.000
LEBANON	
Beirut	5.980
	9.545
	11.705
	11.775
	11.810
	11.860
	11.925
	11.955
	11.980
	15.175
	15.335
	15.350
	15.360
	15.380
	17.715
	17.830
	17.890
Unknown	15.260
LESOTHO	
Maseru	4.800
LIBERIA	
Monrovia	3.227
	3.255
	3.990
	4.770
	6.035
	6.045
	6.180
	7.135
	7.175
	7.195
	7.280
	9.520
	9.530
	9.555
	9.630
	9.685
	9.735
	9.740
	9.750
	11.710
	11.740
	11.770
Monrovia	11.805
	11.815
	11.830
	11.875
	11.910
	11.925
	11.930
	11.940
	11.950
	11.955
	11.970
	11.975
	15.095
	15.130
	15.155
	15.170
	15.220
	15.260
	15.270
	15.310
	15.360
	15.370
	15.385
	15.425
	15.445
	17.705
	17.775
	17.825
	17.830
	17.840
	17.855
	17.875
	21.455
	21.520
	21.610
	21.660
	21.690
	21.730
	25.950
LIBYA	
Beida	9.570
Tripoli	6.185
	7.165
	8.630
	9.565
	9.655
	11.755
	11.795
	13.725
	13.970

	MHz
LUXEMBOURG	
Junglinster	6.090
Luxembourg	15.350
MALAGASY REP.	
Talata Volon	6.020
	6.175
	7.175
	7.290
	9.740
	9.765
	11.730
	11.780
	11.895
	11.955
	15.195
	15.220
	15.260
	15.330
	15.425
	17.790
	17.800
	17.810
	17.845
	21.480
	21.745
Tananarive	3.232
	3.285
	3.370
	7.105
	7.155
	7.230
	9.515
	9.690
	17.730
MALAWI	
Blantyre	3.380
Ngumbe	5.995
MALAYSIA	
Brunei	4.865
Kajang	4.985
	5.180
	5.965
	6.025
	6.085
	6.100
	6.165
	6.170
	6.175
	6.310
Kajang	7.110
	7.220
	9.515
	9.665
	11.900
	15.280
Kuala Lumpur	3.388
	4.845
	4.950
	4.970
Kuching	5.030
	7.130
	7.145
	7.160
	7.270
	9.535
	9.565
	9.605
	9.615
Penang	4.790
	7.200
	7.295
	7.300
	9.710
Sarawak	4.835
Singapore	5.010
	5.052
	5.250
Tebrau	3.915
	6.010
	6.030
	6.080
	6.195
	7.120
	7.180
	7.235
	9.505
	9.570
	9.580
	9.690
	9.725
	9.740
	11.750
	11.850
	11.910
	11.955
	15.105
	15.310
	15.435
	17.860
	17.880
Tuaran	5.980
Tuaran	7.180
	7.240
Unknown	3.600
	3.840
	4.895
	4.920
	6.105
MALI	
Bamako	3.380
	4.780
	4.835
	5.995
	7.110
	9.635
	9.745
	11.960
	15.145
	17.710
	17.725
	17.895
MARTINIQUE	
Fort de France	3.315
MAURETANIA	
Fort de France	5.995
Nouakchott	4.850
	7.245
	9.610
MAURITIUS	
Forest Side	4.870
	9.710
MELANESIA	
Port Villa	3.960
	7.268
MEXICO	
Chihuahua	6.140
	11.965
Hermosillo	6.115
	11.820
Leon	6.065
Mante	6.090
Merida	6.105
Mexico City	6.010
	6.165
	6.185

	MHz
Mexico-contd	
Mexico City	9.515
	9.555
	9.600
	9.705
	9.720
	11.740
	11.770
	11.780
	11.880
	15.110
	15.160
	17.830
	17.835
	21.700
	21.705
S.Luis Potosi	6.045
Sizoguichi	5.960
Tapachula	6.120
Tlaxiaco	6.145
Vera Cruz	6.020
	9.545
MONACO	
Monte Carlo	5.960
	5.965
	6.035
	6.050
	6.115
	7.135
	7.210
	7.230
	7.245
	7.260
	7.275
	7.290
	9.570
	9.575
	9.580
	9.585
	9.640
	9.655
	9.660
	9.665
	9.680
	9.695
	9.715
	9.735
	9.740
	9.750
	11.700
Monte Carlo	11.705
	11.715
	11.735
	11.740
	11.760
	11.790
	11.815
	11.855
	11.865
	11.870
	11.875
	11.900
	11.905
	11.920
	11.940
	11.950
	11.955
	11.960
	11.965
	15.150
	15.205
	15.360
MONGOLIAN REP	
Hailar	3.900
	4.750
Huhetot	3.930
	3.970
	4.060
	6.840
	6.975
Ulan Bator	4.080
	4.400
	4.760
	4.948
	5.055
	5.145
	5.948
	5.960
	6.105
	6.170
	6.385
	7.120
	7.130
	7.235
	7.260
	7.265
	8.890
	9.540
	9.545
	9.575
	10.650
Ulan Bator	11.810
	11.850
	11.855
	11.860
	15.120
	15.160
	15.440
	15.445
	17.720
	17.780
	17.785
	17.825
	17.865
Unknown	5.850
	11.650
MOROCCO	
Rabat	6.190
	9.615
	11.735
Sebaa Ayoun	7.115
	7.225
	15.345
Tangier	5.434
	5.436
	5.880
	5.955
	5.965
	6.015
	6.020
	6.030
	6.040
	6.045
	6.060
	6.065
	6.095
	6.170
	6.941
	7.170
	7.220
	7.240
	7.250
	7.270
	7.285
	7.295
	9.505
	9.540
	9.545
	9.595
	9.615
	9.625
	9.650

	MHz
Morocco-contd	
Tangier	9.660
	9.680
	9.705
	9.710
	9.715
	9.740
	9.760
	9.770
	11.710
	11.735
	11.760
	11.790
	11.840
	11.845
	11.885
	11.910
	11.915
	11.925
	11.935
	11.955
	11.970
	15.155
	15.165
	15.175
	15.185
	15.195
	15.205
	15.235
	15.245
	15.250
	15.255
	15.270
	15.300
	15.305
	15.310
	15.315
	15.320
	15.330
	15.360
	15.370
	17.710
	17.775
	17.780
	17.800
	17.825
	17.830
	17.845
	17.855
	17.875
	21.455
	21.510
Tangier	21.535
	21.650
	21.660
	21.690
	25.880
MOZAMBIQUE	
Beira	3.960
	6.025
	6.070
	6.090
	6.140
	7.175
	7.205
	7.210
	7.240
	11.765
	11.855
L. Marques	3.265
	4.760
	4.855
	4.925
	6.050
	6.115
	6.180
	9.620
	11.740
	11.780
	11.820
	11.845
	15.295
Nampula	4.945
	7.130
	7.255
P. Amelia	7.150
Quelimane	3.210
	7.145
	7.280
NEPAL	
Jawalakhel	7.105
Katmandu	4.600
	5.000
	7.100
Khumaltar	7.165
	9.590
	11.970
NETHERLANDS	
Amsterdam	13.530
Hilversum	6.020
	6.085
Hilversum	6.140
	7.180
	9.510
	9.715
	11.730
	11.785
	11.945
	11.960
	15.130
	15.180
	15.220
	15.320
	15.425
	15.430
	17.810
	17.875
	21.480
	21.570
	21.630
	21.640
	21.690
	21.695
	25.970
Lopik	7.275
	11.845
NETHERLAND ANTILLES	
Bonaire	6.020
	6.035
	6.045
	6.110
	9.575
	9.590
	9.605
	9.715
	9.730
	9.735
	11.705
	11.730
	11.755
	11.780
	11.785
	11.790
	11.815
	11.820
	11.850
	11.855
	11.870
	11.880
	15.215
	15.220

	MHz
Netherland Antilles-contd	
Bonaire	15.230
	15.255
	15.270
	15.275
	15.290
	15.295
	15.310
	15.320
	15.345
	15.350
	17.110
	17.810
	17.830
	17.835
	21.570
	21.640
Willemstad	20.780
NEW CALEDONIA	
Noumea	3.355
	7.170
	9.510
NEW GUINEA	
Rabaul	3.385
	5.985
Wewak	6.140
NEW ZEALAND	
Wellington	6.080
	9.520
	9.540
	9.755
	11.705
	11.780
	15.110
	15.280
	17.770
NICARAGUA	
Bluefields	5.955
	6.120
Granada	5.965
Jinotega	9.505
	9.550
Leon	6.085
	6.130
	6.190
Madriz/ Somoto	6.195
Managua	5.995
	6.010
	6.025
	6.040
	6.140
	6.150
	9.640
	9.710
	9.760
	11.875
Matagalpa	5.975
Ocotal	6.100
Port Cabezas	6.055
	6.075
	9.580
S. Jose	6.170
NIGER	
Niamey	3.260
	5.020
	7.155
	9.575
	9.705
NIGERIA	
Benin	4.932
Calabar	6.100
	6.145
Enugu	3.980
	4.900
	6.025
	6.035
	7.235
	7.309
	9.530
Ibadan	3.205
	6.050
	7.285
Ikorodu	7.255
	7.300
	9.690
	11.770
	11.900
	11.925
	11.950
	15.120
	15.185
	15.200
Jaji	9.560
	9.570
	11.965
Kaduna	3.396
	6.090
	6.175
Kaduna	9.655
Lagos	3.985
	4.990
	7.255
	7.275
Maduguri	6.140
Unknown	11.990
NORTH SEA	
See 'Locations Unknown' at end of list	
NORWAY	
Fredrikstad	6.130
	7.210
	9.550
	9.610
	9.645
	11.735
	11.850
	11.860
	15.170
	15.175
	15.345
	17.775
	17.795
	17.800
	17.825
	21.655
	21.670
	21.730
	25.730
	25.900
Tromso	7.240
PAKISTAN	
Islamabad	7.130
	7.240
	9.510
	9.585
	9.630
	9.735
	9.750
	11.705
	11.825
	15.130
	15.290
	15.380
	17.800

	MHz
Pakistan-contd	
Islamabad	21.710
Karachi	3.872
	4.876
	4.940
	4.975
	6.070
	6.170
	6.233
	6.270
	7.030
	7.095
	7.100
	7.125
	7.135
	7.200
	7.240
	7.265
	7.275
	7.290
	9.440
	9.450
	9.460
	9.560
	9.580
	9.645
	9.655
	9.675
	9.680
	9.750
	9.770
	11.672
	11.705
	11.825
	11.830
	11.860
	11.865
	11.885
	15.100
	15.105
	15.325
	15.335
	17.690
	17.800
	17.830
	17.845
	17.910
	17.945
	21.590
	21.670
	21.695
	21.720

	MHz
Peshawar	3.330
	6.150
	7.170
Quetta	3.915
	5.965
	5.975
	5.980
	7.215
Rawalpindi	4.057
	7.090
	7.110
	7.240
	7.245
	9.750
	9.850
	11.705
	17.865
Unknown	3.945
	7.270
	11.820
	17.953
	21.700
PANAMA	
David	6.045
	5.995
Panama City	9.685
PAPUA	
Alotau	6.040
Daru	3.305
	6.080
Kieta	3.322
Port Moresby	3.290
	3.925
	4.890
	9.520
	9.575
	11.880
Wewak	3.335
PARAGUAY	
Ascuncion	6.015
	6.025
	6.110
	9.735
	11.850
	15.210
Concepcion	11.750
	11.915
Encarnacion	11.940
	11.945

	MHz
Villarica	5.975
PERSIAN GULF	
Abu Dhabi	4.979
	4.989
	7.265
	9.620
	9.695
Doha	9.570
Sawt as Sahil	6.040
PERU	
Arequipa	9.680
Cajamarca	4.770
Chachapoyas	9.655
Cuzcu	6.250
Huamanga	6.202
Ilo	5.035
Iquitos	5.010
	5.050
	9.625
	9.665
	9.770
Jaen	5.005
Lima	3.242
	4.760
	5.970
	5.980
	6.020
	6.045
	6.080
	6.095
	6.115
	9.510
	9.520
	9.560
	9.675
Piua	3.830
Puno	9.570
Tacna	9.500
	9.530
Talara	9.600
Tarapoto	9.710
Trujillo	4.910
Unknown	3.250
PHILIPPINES	
Malolos	9.690
	12.302
	21.670
Manila	3.305
	3.345

	MHz
Philippines-contd	
Poro	21.640
Unknown	3.945
	6.030
	6.075
	6.120
	6.130
	6.170
	6.185
	7.135
	7.160
	7.205
	7.225
	7.230
	7.275
	7.295
	9.505
	9.530
	9.545
	9.555
	9.580
	9.605
	9.615
	9.625
	9.630
	9.640
	9.650
	9.715
	9.750
	9.760
	9.770
	11.715
	11.730
	11.740
	11.760
	11.775
	11.785
	11.790
	11.805
	11.830
	11.855
	11.875
	11.890
	11.895
	11.910
	11.920
	11.930
	11.935
	11.965
	15.110
	15.135
	15.145
Unknown	15.155
	15.175
	15.185
	15.210
	15.225
	15.235
	15.250
	15.270
	15.290
	15.300
	15.310
	15.315
	15.345
	15.365
	15.375
	15.385
	15.390
	15.395
	15.410
	15.420
	15.430
	15.440
	17.705
	17.735
	17.740
	17.750
	17.765
	17.810
	17.825
	17.830
	17.860
	17.875
	17.885
	21.465
	21.515
	21.570
	21.730
POLAND	
Opole	6.850
	7.305
Warsaw	5.960
	5.970
	5.995
	6.010
	6.020
	6.035
	6.085
	6.095
	6.100
	6.105
	6.135
Warsaw	6.155
	6.195
	7.110
	7.125
	7.145
	7.165
	7.175
	7.180
	7.205
	7.215
	7.270
	7.285
	9.510
	9.525
	9.540
	9.550
	9.570
	9.575
	9.635
	9.655
	9.660
	9.675
	9.715
	9.755
	11.710
	11.715
	11.725
	11.755
	11.760
	11.765
	11.790
	11.800
	11.815
	11.840
	11.905
	11.945
	11.955
	15.105
	15.120
	15.215
	15.275
	15.365
	17.735
	17.765
	17.800
	17.865
	21.725
PORTUGAL	
Lisbon	6.155
	6.185
	9.630

	MHz
Portugal-contd	
Lisbon	9.695
	9.740
	11.840
	11.875
	11.925
	11.935
	15.125
	15.315
	15.335
	15.340
	15.380
	17.740
	17.880
	17.885
	17.895
	21.495
	21.700
	21.735
Porto Alto	6.080
S. Gabriel	6.025
	9.635
	15.255
Sines	5.995
	6.010
	6.015
	6.120
	7.130
	7.150
	7.175
	7.235
	7.275
	7.285
	7.295
	9.545
	9.575
	9.615
	9.620
	9.625
	9.650
	9.660
	9.665
	9.670
	9.765
	11.705
	11.795
	11.865
	11.905
	11.965
	15.185
	15.235
	15.245
Sines	15.262
	15.300
	15.430
REUNION	
St. Denis	4.807
	7.245
RHODESIA	
Gwelo	3.396
	4.828
	5.016
	5.975
	6.020
	7.123
	7.285
RUMANIA	
Bucharest	5.980
	5.985
	5.990
	6.060
	6.150
	6.190
	7.195
	7.225
	9.510
	9.550
	9.570
	9.585
	9.590
	9.690
	11.775
	11.785
	11.790
	11.810
	11.875
	11.885
	11.920
	11.940
	15.250
	15.285
	15.380
	15.385
	17.705
	17.710
	17.730
	17.760
	17.830
	17.850
	17.880
RWANDA	
Kigali	6.055
	7.225
	9.565
	9.690
	9.700
	9.735
	11.785
	11.905
	11.925
	11.965
	15.165
	15.380
	15.400
	15.410
	15.435
	17.765
	17.800
RYUKYU IS.	
Okinawa	3.935
	6.010
	6.075
	7.160
	7.165
	7.255
	9.560
	9.615
	11.830
	11.930
	15.210
	15.365
	17.740
	21.490
ST. THOMAS IS.	
Sao Thome	4.807
SAUDI ARABIA	
Jeddah	9.670
	11.855
	15.115
	15.150
Riyadh	5.390
	6.000
	7.220
	9.720
	11.950
SENEGAL	
Dakar	4.890
	6.180

	MHz
Senegal-contd	
Dakar	7.170
	7.210
	11.895
	15.425
S. Louis	6.045
Ziguinchor	3.340
SEYCHELLES	
Mahe	9.755
	11.920
	11.935
	11.950
	15.165
	15.186
	15.260
	15.262
	15.270
	15.310
	15.415
SIERRA LEONE	
Freetown	3.315
SINGAPORE	
Singapore	6.000
	6.040
	6.155
	7.090
	7.170
	7.250
	9.635
	11.940
SOLOMON IS.	
Honiara	3.995
	7.235
SOMALIA	
Hargeisa	7.160
	11.670
Mogadiscio	6.095
	7.120
Mogadishu	9.585
SOUTH AFRICA	
Bloemfontein	3.255
	3.285
	3.320
	3.965
	4.875
	4.945
Bloemfontein	4.965
Johannesburg	5.000
Meyerton	3.980
	5.955
	5.960
	5.980
	6.005
	6.075
	6.080
	6.195
	7.150
	7.160
	7.185
	7.215
	7.260
	7.270
	9.525
	9.560
	9.570
	9.610
	9.625
	9.635
	9.650
	9.680
	9.695
	9.705
	9.720
	11.790
	11.810
	11.875
	11.885
	11.900
	11.935
	11.970
	15.155
	15.175
	15.200
	15.220
	15.225
	15.250
	17.740
	17.805
	17.815
	17.820
	17.825
	17.840
	21.480
	21.520
	21.535
	21.545
	21.605
	25.790
Paradys	3.952
	3.997
SPAIN	
Arganda	9.660
Madrid	6.130
	6.140
	7.105
	9.360
	9.570
	9.670
	9.760
	11.710
	11.925
	15.195
	15.420
	15.365
Noblejas	5.965
	6.080
	6.090
	6.110
	6.175
	9.510
	9.520
	9.535
	9.545
	9.550
	9.560
	9.570
	9.695
	9.700
	9.720
	11.775
	11.790
	11.840
	11.860
	11.870
	11.890
	11.935
	11.965
	15.125
	15.135
	15.145
	15.185
	15.195
	15.245
	15.305
	15.420
	17.715
	17.775
	17.885
	21.540

	MHz
Spain-contd	
Noblejas	21.600
	21.630
	25.850
SPANISH WEST AFRICA	
R.Sahara	7.150
	7.230
SRI LANKA	
See 'Ceylon'	
SUDAN	
Khartoum	4.994
Omdurman	6.150
	7.200
	9.505
	9.845
	11.835
	15.170
SWAZILAND	
Mbabane	6.155
	7.105
Swazi Radio	3.223
	6.165
SWEDEN	
Horby	5.990
	6.065
	6.175
	9.585
	9.590
	9.625
	9.630
	9.670
	9.715
	9.725
	9.745
	11.705
	11.780
	11.790
	11.825
	11.895
	11.920
	11.930
	11.950
	11.970
	15.105
	15.240
	15.295
	15.315
	15.325
	17.840
Horby	17.865
	21.505
	21.585
	21.625
	21.690
	21.695
SWITZERLAND	
Berne	3.985
	6.120
	7.210
	9.535
	9.590
	11.715
	11.720
	11.775
	11.795
	11.830
	11.865
	15.235
	15.305
	15.430
	17.795
	17.800
	17.830
	17.845
	17.885
	21.520
	21.585
	21.605
	21.725
Beromunster	6.165
	9.535
Geneva	5.000
	7.443
	10.000
Schwarzenburg	9.750
	11.765
Sottens	17.795
	17.845
	21.585
SYRIA	
Damascus	6.165
	7.105
	9.555
	9.585
	9.655
	15.165
	15.290
TAHITI	
Papeete	6.135
Papeete	11.825
	15.180
Tahiti	15.170
TANZANIA	
Dar-es-Salaam	4.785
	5.050
	5.985
	6.105
	7.165
	7.250
	7.280
	9.530
	9.550
	9.750
	15.435
THAILAND	
Bangkok	4.830
	5.000
	5.955
	6.000
	6.010
	6.035
	6.060
	6.070
	6.105
	6.200
	6.315
	6.405
	7.100
	7.105
	7.115
	7.120
	7.135
	7.230
	7.240
	7.310
	9.655
	9.740
Patumthani	9.510
	11.905
	15.290
	17.760
	17.825
	17.865
Unknown	2.700
TIBET	
Lhasa	4.035
	5.935
	9.490

	MHz		MHz		MHz
TIMOR		London	5.975	London	9.515
Dili	3.270		5.990		9.520
			6.010		9.530
TOGO			6.040		9.540
Lome	5.047		6.050		9.555
Togblekope/	6.155		6.060		9.565
Lome	7.265		6.065		9.570
			6.070		9.575
TRISTAN DA CUNHA			6.080		9.580
Tristan da	3.290		6.090		9.600
Cunha			6.110		9.625
			6.125		9.635
TUNISIA			6.140		9.640
Sfax	5.995		6.150		9.660
Tunis	6.195		6.160		9.680
	9.595		6.180		9.690
	11.900		6.185		9.705
	11.970		6.195		9.715
			7.105		9.735
TURKEY			7.110		9.740
Izmir	5.900		7.120		9.750
Ankara	6.430		7.130		9.760
	6.900		7.140		9.765
	9.515		7.150		9.770
	11.880		7.160		9.825
	15.160		7.170		9.854
	15.165		7.185		9.858
	15.190		7.190		9.915
	15.195		7.200		11.680
	15.220		7.210		11.705
	17.720		7.220		11.710
	17.815		7.225		11.725
	17.820		7.230		11.740
Bursa	6.925		7.235		11.750
Istanbul	6.257		7.240		11.770
Unknown	6.340		7.260		11.780
	7.005		7.270		11.805
	7.450		7.275		11.830
	9.855		7.320		11.840
			7.325		11.845
UGANDA			7.523		11.860
Kampala	4.976		7.684		11.865
	5.026		7.688		11.870
	7.110		7.692		11.875
	7.195		7.747		11.905
			7.753		11.915
			9.097		11.920
UNITED KINGDOM			9.317		11.925
London	3.952.5		9.323		11.930
	3.975		9.410		11.935
	5.960		9.505		11.945
	5.965		9.510		11.955

	MHz
United Kingdom-contd	
London	11.970
	12.040
	12.095
	12.124
	12.130
	12.176
	12.182
	15.000
	15.070
	15.135
	15.140
	15.180
	15.195
	15.200
	15.205
	15.235
	15.245
	15.250
	15.255
	15.260
	15.285
	15.300
	15.310
	15.325
	15.390
	15.400
	15.405
	15.420
	15.435
	15.445
	15.846
	15.852
	15.907
	15.913
	17.642
	17.648
	17.695
	17.705
	17.715
	17.740
	17.775
	17.780
	17.790
	17.810
	17.820
	17.840
	17.855
	17.870
	17.880
	18.080
	18.167
London	18.173
	21.470
	21.510
	21.530
	21.535
	21.550
	21.560
	21.590
	21.610
	21.630
	21.640
	21.680
	21.690
	21.710
	21.740
	22.930
	22.936
	23.194
	25.650
	25.670
	25.710
	25.750
	26.434
	26.440
	26.446
	26.484
	26.490
	26.496
Rugby	2.500
	5.000
	10.000
UPPER VOLTA	
Ougadougou	4.815
URUGUAY	
Melo	6.055
	15.230
Montevideo	6.000
	6.010
	6.035
	6.045
	6.075
	6.115
	6.125
	6.140
	6.155
	6.170
	9.515
	9.595
	9.620
	9.640
Montevideo	9.650
	9.670
	9.680
	9.770
	11.735
	11.835
	11.845
	11.860
	11.885
	11.900
	11.955
	15.275
	15.355
	17.870
U.S.A.	
Belmont	9.670
	11.880
	11.920
	11.955
	15.280
Bethany	5.960
	6.135
	9.055
	9.525
	9.555
	9.660
	9.740
	9.755
	11.740
	11.810
	11.830
	11.845
	11.890
	11.900
	11.915
	11.955
	15.105
	15.160
	15.330
	15.752
	17.710
	17.730
	17.755
	17.795
	17.800
	17.815
	17.830
	17.840
	17.855
	17.860
	17.875

	MHz		MHz		MHz
U.S.A. -contd		Dixon	11.840	Greenville	11.740
Bethany	17.880		11.850		11.760
	17.890		11.865		11.775
	19.261		15.190		11.780
	21.485		15.250		11.790
	21.500		15.350		11.805
	21.515		15.365		11.830
	26.000		15.385		11.840
Boulder	5.000		15.400		11.845
	10.000		17.820		11.855
	15.000		17.825		11.885
	20.000		17.895		11.890
	25.000		21.610		11.900
Delano	5.965		21.630		11.905
	6.110		21.695		11.915
	6.125		21.745		11.955
	6.145		25.990		11.970
	6.185		26.095		14.526
	9.545	Greenville	5.960		15.155
	9.605		5.995		15.160
	9.650		6.010		15.180
	9.660		6.020		15.195
	9.700		6.030		15.205
	11.805		6.055		15.225
	11.830		6.065		15.235
	11.840		6.125		15.245
	11.850		6.170		15.250
	15.160		6.190		15.270
	15.190		6.873		15.280
	15.295		7.651		15.330
	15.365		9.510		15.360
	15.410		9.515		15.365
	17.745		9.520		15.395
	17.750		9.530		15.400
	17.765		9.555		15.410
	17.815		9.565		15.415
	17.850		9.590		15.430
	21.460		9.630		17.705
	21.500		9.635		17.710
	21.745		9.640		17.720
	25.620		9.650		17.730
Dixon	5.955		9.670		17.743
	6.110		9.685		17.785
	6.125		9.705		17.815
	6.145		9.725		17.835
	9.545		9.755		17.830
	9.565		9.760		17.840
	9.605		9.770		17.855
	9.650		10.454		17.860
	9.660		11.705		17.880
	9.730		11.710		17.890
	11.830		11.730		18.275

	MHz
U.S.A.-contd	
Greenville	19.721
	20.062
	21.485
	21.510
	21.515
	21.540
	21.560
	21.590
	21.610
	21.640
	21.650
	21.660
	21.670
	21.720
	21.740
	25.800
	25.950
	26.040
Red Lion	11.795
	15.295
	15.340
	17.720
Scituate	5.985
	6.075
	9.615
	9.685
	9.690
	9.715
	11.805
	11.855
	11.885
	11.890
	11.895
	15.130
	15.170
	15.215
	15.440
	17.755
	17.760
	17.845
	21.525
	21.725
U.S.S.R.	
Alma Ata	4.545
	4.990
	5.260
	6.033
	6.790
	9.250
	9.380
Alma Ata	10.530
Anadyr	4.955
Arkhangelsk	5.015
Achkhabad	4.825
	4.895
Baku	3.960
	4.785
	4.957
	5.915
	7.300
	9.840
Blagovesh-chensk	4.975
Chimkent	4.310
Chita	4.860
Dyushambe	4.635
	4.975
	7.300
	11.990
Dzhambul	4.760
Erivan	5.905
	5.915
	9.450
	11.690
	11.980
	12.050
Frunze	4.010
	4.050
	15.100
Kalinin	15.470
Kazan	9.795
Khabarovsk	4.610
	9.375
Kharkov	11.975
Kiev	4.940
	5.915
	5.920
	7.400
	9.480
	11.700
	12.070
Kokchetak	4.423
Krasnoyarsk	5.290
	17.700
Kzyl Orda	5.055
Magadan	4.820
	4.995
	5.940
	7.380
	12.240
Minsk	5.905
	5.920
Minsk	7.320
	7.420
Moscow	4.825
	4.850
	4.860
	4.885
	5.000
	5.900
	5.905
	5.910
	5.940
	6.200
	7.300
	7.305
	7.310
	7.325
	7.335
	7.340
	7.350
	7.360
	7.370
	7.380
	7.390
	7.400
	7.410
	7.420
	7.440
	7.925
	8.590
	9.150
	9.210
	9.450
	9.470
	9.480
	9.490
	9.500
	9.775
	9.780
	9.785
	9.790
	9.800
	9.810
	9.850
	9.880
	9.915
	10.000
	10.340
	10.740
	10.860
	11.200
	11.570
	11.630

	MHz		MHz		MHz
U.S.S.R. -contd		Yakutsk	4.800	Unknown	6.020
Moscow	11.690		4.940		6.030
	11.980	Yerevan	4.510		6.035
	11.995	Unknown	3.417		6.040
	12.040		3.930		6.045
	12.045		3.940		6.050
	12.050		3.945		6.055
	12.055		3.985		6.060
	12.060		3.995		6.065
	12.100		4.040		6.070
	14.860		4.100		6.075
	15.000		4.105		6.080
	15.080		4.110		6.085
	15.100		4.220		6.090
	15.455		4.416		6.100
	15.460		4.520		6.105
	15.490		4.555		6.110
	15.780		4.620		6.115
	16.250		4.656		6.120
	17.900		4.684		6.125
	17.940		4.710		6.130
	18.285		4.720		6.135
	18.455		4.780		6.140
	18.650		4.810		6.145
	19.725		4.880		6.150
	19.845		4.920		6.155
	20.000		4.930		6.165
Murmansk	7.650		5.145		6.175
Orcha	11.985		5.155		6.180
Orenburg	15.480		5.170		6.185
Petro-	4.055		5.255		6.190
pavlovsk	4.485		5.455		6.195
Petro-	5.065		5.710		6.285
zavodsk			5.755		6.560
Riga	12.020		5.795		6.770
Semi-	4.080		5.825		6.808
palatinsk			5.890		6.825
Serpukhov	12.010		5.930		6.890
	15.450		5.935		6.930
Sverdlovsk	15.505		5.942		7.100
Tashkent	5.925		5.950		7.105
	15.115		5.960		7.110
Tbilisi	5.040		5.965		7.115
Tula	12.000		5.970		7.120
	12.030		5.975		7.130
Tyumen	4.895		5.980		7.135
Ulan Ude	4.795		5.985		7.140
Vilnius	7.310		5.990		7.145
Vladivostock	5.015		6.000		7.150
	12.040		6.005		7.155
Voronez	12.060		6.010		7.160
Yakutsk	4.395		6.015		7.170

	MHz		MHz		MHz
U.S.S.R.-contd		Unknown	9.575	Unknown	11.745
Unknown	7.175		9.580		11.750
	7.180		9.585		11.755
	7.185		9.590		11.760
	7.190		9.600		11.765
	7.195		9.605		11.770
	7.200		9.610		11.775
	7.205		9.620		11.780
	7.210		9.625		11.785
	7.215		9.630		11.790
	7.230		9.635		11.795
	7.235		9.640		11.800
	7.240		9.645		11.805
	7.245		9.650		11.810
	7.250		9.655		11.815
	7.255		9.660		11.820
	7.260		9.665		11.825
	7.265		9.670		11.830
	7.270		9.675		11.835
	7.275		9.685		11.840
	7.280		9.690		11.845
	7.285		9.695		11.850
	7.290		9.700		11.855
	7.295		9.710		11.860
	7.315		9.715		11.870
	7.330		9.730		11.875
	7.355		9.735		11.880
	7.450		9.740		11.885
	7.500		9.745		11.890
	7.645		9.750		11.900
	7.705		9.755		11.905
	7.720		9.760		11.910
	8.125		9.765		11.915
	8.815		9.770		11.920
	8.970		9.900		11.925
	8.975		10.065		11.930
	9.345		10.620		11.940
	9.410		10.700		11.945
	9.460		10.975		11.950
	9.485		11.052		11.955
	9.510		11.211		11.960
	9.515		11.257		11.965
	9.520		11.480		11.975
	9.525		11.585		12.005
	9.530		11.685		12.035
	9.535		11.705		12.127
	9.540		11.710		12.175
	9.545		11.715		12.182
	9.550		11.720		13.240
	9.555		11.730		13.360
	9.560		11.735		13.560
	9.565		11.740		15.045

	MHz
U.S.S.R. -contd	
Unknown	15.070
	15.075
	15.105
	15.110
	15.120
	15.125
	15.130
	15.140
	15.150
	15.155
	15.160
	15.170
	15.175
	15.180
	15.185
	15.195
	15.200
	15.205
	15.210
	15.220
	15.230
	15.235
	15.240
	15.245
	15.255
	15.260
	15.262
	15.275
	15.285
	15.295
	15.300
	15.305
	15.310
	15.315
	15.320
	15.325
	15.330
	15.345
	15.350
	15.360
	15.365
	15.370
	15.375
	15.385
	15.395
	15.400
	15.405
	15.410
	15.415
	15.425
	15.430
Unknown	15.440
	15.465
	15.530
	15.600
	16.160
	16.350
	17.270
	17.580
	17.650
	17.690
	17.705
	17.710
	17.715
	17.720
	17.730
	17.735
	17.740
	17.745
	17.755
	17.765
	17.770
	17.775
	17.780
	17.785
	17.790
	17.795
	17.805
	17.815
	17.820
	17.825
	17.830
	17.835
	17.840
	17.845
	17.850
	17.860
	17.865
	17.870
	17.875
	17.880
	17.885
	17.890
	17.895
	17.920
	18.002
	18.100
	18.665
	20.571
	21.450
	21.460
	21.465
	21.475
Unknown	21.490
	21.505
	21.510
	21.515
	21.525
	21.530
	21.540
	21.565
	21.575
	21.585
	21.600
	21.605
	21.610
	21.615
	21.625
	21.635
	21.645
	21.670
	21.675
	21.680
	21.685
	21.695
	21.705
	21.710
	21.715
	21.725
	21.740
	21.745
	22.920
VATICAN CITY	
Vatican	5.995
	6.135
	6.190
	7.155
	7.160
	7.235
	7.250
	9.615
	9.630
	9.645
	11.700
	11.705
	11.720
	11.725
	11.740
	11.745
	11.760
	11.810
	11.865
	11.895
	15.110

	MHz
Vatican City-contd	
Vatican	15.115
	15.120
	15.155
	15.165
	15.210
	15.255
	15.260
	15.285
	15.330
	15.420
	17.700
	17.715
	17.785
	17.795
	17.800
	17.805
	17.815
	17.840
	17.885
	21.485
	21.570
	21.660
	21.715
	25.840
VENEZUELA	
Apure	4.820
Barcelona	3.385
Barquisemeto	4.800
	4.880
	4.900
	4.990
	9.510
Bocono	5.010
Bolivar	4.770
Caracas	3.305
	4.870
	4.890
	4.920
	4.970
	5.020
	5.030
	5.050
	5.060
	6.170
	9.660
	11.725
	11.960
	11.970
	15.400
	17.840
El Tigre	3.255
Maracaibo	3.275
	4.810
	4.860
Maracay	3.315
Maturin	3.325
	5.040
Merida	3.395
Puerto la Cruz	4.790
San Cristobal	4.830
	4.930
	4.980
	5.990
San Filipe	4.940
San Sebastian	6.070
Sucre	4.960
Trujillo	3.295
Valencia	3.355
	4.780
Valera	4.840
Unknown	9.680
VIETNAM	
Dalat	6.115
Hanoi	3.985
	4.684
	4.823
	4.895
	5.000
	5.925
	5.960
	6.730
	7.010
	7.025
	7.035
	7.070
	7.080
	7.215
	7.325
	7.360
	7.395
	7.415
	7.470
	7.545
	7.548
	9.430
	9.500
	9.838
	9.985
	10.040
	10.150
Hanoi	10.175
	10.232
	11.840
	11.997
	12.025
	12.120
	14.990
	15.005
	15.045
Hue	9.670
Saigon	4.880
	6.165
	7.155
	7.175
	7.235
	7.245
	7.255
	9.615
	9.620
	9.625
	9.750
	9.755
	9.760
	11.950
Taybac	4.754
	6.375
Viet Bac	6.715
YEMEN DEM. REP.	
Aden	5.059
YEMEN ARAB REP.	
Sanaa	4.938
	5.805
YUGOSLAVIA	
Beograd	6.100
	6.150
	7.200
	7.240
	9.505
	9.620
	11.735
	15.240
ZAIRE REP.	
Bukava	4.840
Kikwit	7.255
Kinshasa	4.880
	7.115
	9.600
	9.770

	MHz
Zaire Rep. -contd	
Kinshasa	11.720
	11.795
	15.245
	15.260
Kisangani	6.085
Lumbumbashi	4.750
	5.955
	9.540
	11.865
Luluabourg	6.125
Mbandaka	5.995
Mbuji-Mayi	7.295
ZAMBIA	
Lusaka	3.295
	3.346
	4.910
	6.060
	6.165
	7.220
	7.240
	7.250
	9.505
	9.580
	11.850
	11.880
	17.740
	17.895
ZANZIBAR	
Marhubi	6.005
LOCATIONS UNKNOWN	
Bizam Radio	5.915
	9.500
	9.600
Bizam Radio	9.730
Espana Independiente	7.690
	9.833
	10.110
	11.260
	12.140
	14.320
	14.482
	15.510
	17.660
Indep. Spain	15.365
Liberation Radio	7.400
	9.480
	9.920
	10.010
	10.225
	12.100
	14.990
National V. of Iran	6.065
Peyk-e-Iran	11.415
	11.695
R. Euzkadi	11.975
	12.065
	12.287
R. Free Portugal	11.510
	12.005
	14.440
	14.955
	15.481
R. Free Russia	6.350
	11.490
R. Freies Tirol	6.425
R.N.I.	6.205
R.N.Sea Int.	9.933
R. Pathet Laos	4.660
	6.200
R. Pathet Laos	7.310
	7.480
	8.635
R. Patriotic Laos	6.273
R. Patriotic (Neutralist Forces)	8.600
VOA Feeder	16.430
V. Free Yemeni S.	5.345
	8.405
V. Iranian Liberation	7.093
V. Iranian Nation	7.080
V. of Iraqi	3.540
	6.915
V. of Malayan Rev'ln.	7.305
	11.830
	15.790
V. of N.U.F.K.	7.012
	7.024
	9.988
	10.080
	12.005
	12.600
	5.110
V. of People of Burma	9.070
	11.530
V. of People of Thailand	6.030
	9.425
V. Rev. Pty. for Reunificat'n.	4.557
V. of the Storm	7.025
V. of Truth	7.335
	9.775

Also listed under 'Unknown' locations are those stations where frequencies and transmitting sites are frequently interchanged.

EUROPEAN
V.H.F. SOUND BROADCASTING STATIONS

This list includes only those transmitters in Europe with an e. r. p. of 100 kW or more, except in the case of the U.K. where all stations are listed. There are in addition about 3,500 lower powered transmitters in Europe of which over 1,600 are in Italy. The carrier frequencies of the channel numbers in the first column are given on p. 200. Some carrier frequencies are offset from that allocated by up to 150 kHz. Stations transmitting stereophonic programmes are marked with an 'S'.

	kW
AUSTRIA	
6 Lichtenberg (S)	100
7 Schoeckl (S)	100
8 Jauerling (S)	100
9 Pfaender (S)	100
13 Gaisberg (S)	100
14 Schoeckl (S)	100
15 Jauerling	100
19 Dobratsch-Villacher (S)	100
21 Pfaender	100
26 Gaisberg	100
27 Lichtenberg	100
28 Schoeckl	100
33 Jauerling (S)	100
35 Lichtenberg (S)	100
36 Dobratsch-Villacher (S)	100
37 Pfaender	100
40 Gaisberg (S)	100
47 Dobratsch-Villacher (S)	100
EIRE	
9 Truskmore	120
22 Mullaghanish	120
24 Maghera	120
26 Mount Leister	120
FRANCE	
4 Carcassonne	125
6 Lille (S)	150
7 Le Mans	100
Reims (S)	150
8 Limoges	150
10 Rennes (S)	100
12 Nantes	200
13 Carcassonne (S)	125
14 Niort	200
17 Rouen (S)	100
19 Le Mans	100
20 Limoges	150
22 Rennes	100
23 Rouen	100
24 Nantes	200
26 Lille	150
31 Niort	200
32 Carcassonne	125
Rouen	100
33 Reims	150
Le Mans (S)	100
35 Limoges (S)	150
37 Lille	150
38 Rennes	100
39 Reims	150
40 Nantes (S)	200
41 Niort	200
GERMANY (East)	
13 Marlow	100
15 Brocken	100
16 Sonneberg	100
17 Leipzig	100
24 Sonneberg	100
27 Schwerin	100
32 Leipzig	100
34 Inselsberg	100
35 Brocken	100
Berlin	100
38 Schwerin	100
GERMANY (West)	
3 Gottelborner Hoehe (S)	100
4 Bremen (S)	100
6 Gruenten/Allgaeu (S)	100
Heidelberg (S)	100
Langenberg	100
8 Wendelstein (S)	100
10 Harz	100

Germany (West)-contd		kW
10	Stuttgart/Degerloch	100
12	Gruenten/Allgaeu	100
	Ochsenkopf	100
	Teutoburger Wald	100
14	Gottelborner Hoehe (S)	100
17	Brotjacklriegel	100
	Harz (S)	100
	Stuttgart/Degerloch	100
20	Kreuzberg/Rhoen (S)	100
21	Teutoburger Wald	100
22	Wendelstein	100
23	Bremen	100
	Waldenburg (S)	100
26	Stuttgart/Degerloch (S)	100
27	Langenberg (S)	100
28	Gottelt·orner Hoehe	100
29	Gruenten/Allgaeu	100
30	Ochsenkopf (S)	100
32	Brotjacklriegel (S)	100
	Waldenburg	100
33	Herzogstand	100
	Teutoburger Wald (S)	100
36	Heidelberg (S)	100
37	Harz (S)	100
38	Kreuzberg/Rhoen	100
39	Waldenburg (S)	100
41	Langenberg (S)	100
43	Heidelberg	100
51	Stuttgart-Frauenkapf	100

LUXEMBOURG		
33	Marnach	100

NETHERLANDS		
4	Roermond (S)	100
13	Roermond (S)	100
25	Roermond	100

NORWAY		
5	Oslo	100
22	Bokn	100

UNITED KINGDOM		
4	Ballachulish	15W
	Betws-y-Coed	10W
	Bressay	10
	Campbeltown	35W
	Ffestiniog	50W
	Forfar	10
	Llanidloes	5W
4	Lochgilphead	10W
	Londonderry	13
	North Hessary Tor	60
	Sandale	120
	Sutton Coldfield (S)	120
	Wensleydale	25W
5	Barnstable	150W
	Carmarthen	10W
	Douglas	6
	Newry	30W
	Pontop Pike	60
	Rowridge (S)	60
	R. Sheffield*	30W
	Skriaig	10
	Toward	250W
	Windermere	20W
6	Bath	35W
	Belmont	8
	Blaen-Plwyf	60
	Brecon	10W
	Brougher Mountain	2.5
	Cambridge	20W
	Isles of Scilly	20W
	Kendal	25W
	Kilkeel	25W
	Llangollen	10
	Maddybenny More	30W
	Meldrum	60
	Northampton (S)	60W
	Oban	1.5
	Okehampton	15W
7	Ashkirk	18
	Ballycastle	40W
	Churchdown Hill	25W
	Kingussie	35W
	Larne	15W
	Llandrindod Wells	1.5
	Melvaig	22
	Pitlochry	200W
	Wrotham (S)	120
8	Fort William	1.5
	Haverfordwest	10
	Holme Moss	120
	Machynlleth	60W
	Orkney	20
	Oxford (S)	22
	Penifiler	6W
	Perth	15W
	Ventnor	20W
9	Grantown	350W
	Hereford	25W
	Kinlochleven	2W

United Kingdom-contd	kW
19 Londonderry	13
Sutton Coldfield	120
Wensleydale	25W
20 Barnstaple	150W
Belmont	8
Blaen-Plwyf	60
Carmarthen	10W
Kendal	25W
Maddybenny More	30W
Meldrum	60
Newry	30W
Okehampton	15W
Pontop Pike	60
Rowridge	60
Skriaig	10
Toward	250W
Windermere	20W
21 Ballycastle	40W
Bath	35W
Brecon	10W
Brougher Mountain	2.5
Cambridge	20W
Churchdown Hill	25W
Isles of Scilly	20W
Kilkeel	25W
Llangollen	10
Northampton	60W
Oban	1.5
22 Ashkirk	18
Fort William	1.5
Havefordwest	10
Holme Moss	120
Kingussie	35W
Larne	15W
Llandrindod Wells	1.5
Melvaig	22
Orkney	20
Perth	15W
Pitlochry	200W
Wrotham	120
23 Llanddona	12
Machynlleth	60W
Oxford	22
Penifiler	6W
23 Rosemarkie	12
Ventnor	20W
Whitby	40W
24 Grantown	350W
Hereford	25W
Kinlochleven	2W
Kirk O'Shotts	120
Redruth	9
Scarborough	25W
Sheffield	60W
Tacolneston	120
Weardale	100W
Wenvoe	120
25 Brighton	150W
Divis	60
Dolgellau	15W
R. Leeds*	140W
Morecambe Bay	4
Peterborough	20
R.Stoke-on-Trent*	2.5
Swingate	7
Thrumster	10
26 Les Platons	1.5
R. Nottingham*	300W
Sandale	120
27 R. Leicester*	300W
R.Manchester*	4
R.Oxford*	4.5
Rotherham*	10W
28 R.Bristol*	5
R.Humberside*	4.5
R.London*	16.5
R.Newcastle*	3.5
29 R.Birmingham*	5.5
R.Brighton*	500W
R.Carlisle*	5
R.Merseyside*	5
30 R.Solent*	5
31 R.Blackburn*	1.5
32 R.Derby*	5.5
R.Teesside*	5
33 R.Medway*	5.5
Wenvoe	120
34 Les Platons	1.5

* B.B.C. Local Radio Stations

United Kingdom-contd	kW
9 Llanddona	12
Redruth	9
Rosemarkie	12
Tacolneston	120
Weardale	100W
Whitby	40W
10 Brighton (S)	150W
Divis	60
Dolgellau	15W
Kirk O'Shotts	120
Morecambe Bay	4
Peterborough	20
Scarborough	25W
Sheffield	60W
Swingate (S)	7
Thrumster	10
Wenvoe	120
11 Ballachulish	15W
Betws-y-Coed	10W
Campbeltown	35W
Ffestiniog	50W
Llanidloes	5W
North Hessary Tor	60
Sandale	120
12 Barnstaple	150W
Bressay	10
Carmarthen	10W
Douglas	6
Forfar	10
Lochgilphead	10W
Londonderry	13
Pontop Pike	60
Rowridge (S)	60
Skriaig	10
Sutton Coldfield (S)	120
Toward	250W
Wensleydale	25W
13 Bath	35W
Belmont	8
Blaen-Plwyf	60
Isles of Scilly	20W
Kendal (S)	25W
Kilkeel	25W
Maddybenny More	30W
Meldrum	60
Newry	30W
Okehampton	15W
Windermere	20W
14 Ashkirk	18
Ballycastle	40W
Brecon	10W
Brougher Mountain	2.5

	kW
14 Cambridge	20W
Churchill Down	25W
Kingussie	35W
Larne	15W
Les Platons	1.5
Llandrindod Wells	1.5
Llangollen	10
Melvaig	22
Northampton (S)	60W
Oban	1.5
Wrotham (S)	120
15 Fort William	1.5
Haverfordwest	10
Holme Moss (S)	120
Machynlleth	60W
Orkney	20
Perth	15W
Pitlochry	200W
Ventnor	20W
16 Hereford	25W
Kinlochleven	2W
Llanddona	12
Oxford (S)	22
Penifiler	6W
Redruth	9
Rosemarkie	12
Tacolneston	120
Weardale	100W
Whitby	40W
17 Grantown	350W
Kirk O'Shotts	120
Morecambe Bay (S)	4
Scarborough (S)	25W
Sheffield (S)	60W
Wenvoe	120
18 Ballachulish	15W
Brighton (S)	150W
Divis	60
Dolgellau	15W
Ffestiniog	50W
Llanidloes	5W
North Hessary Tor	60
Peterborough	20
Sandale	120
Swingate (S)	7
Thrumster	10
19 Betws-y-Coed	10W
Bressay	10
Campbeltown	35W
Douglas	6
Forfar	10
Lochgilphead	10W

EUROPEAN
V.H.F. SOUND BROADCASTING CHANNELS

Channel	MHz	Channel	MHz
2	87.6	30	96.0
3	87.9	31	96.3
4	88.2	32	96.6
5	88.5	33	96.9
6	88.8	34	97.2
7	89.1	35	97.5
8	89.4	36	97.8
9	89.7	37	98.1
10	90.0	38	98.4
11	90.3	39	98.7
12	90.6	40	99.0
13	90.9	41	99.3
14	91.2	42	99.6
15	91.5	43	99.9
16	91.8	44	100.2
17	92.1	45	100.5
18	92.4	46	100.8
19	92.7	47	101.1
20	93.0	48	101.4
21	93.3	49	101.7
22	93.6	50	102.0
23	93.9	51	102.3
24	94.2	52	102.6
25	94.5	53	102.9
26	94.8	54	103.2
27	95.1	55	103.5
28	95.4	56	103.8
29	95.7		