

JERZY SIELAWA

JACK PEROLO

SURVEY OF SHORT WAVE

BROADCASTING STATIONS

OPERATING IN THE 60 m. BAND

Period: 1957-1974

1974

São Paulo

Brazil

ABOUT THE AUTHORS

JERZY SIELAWA

Jerzy is Head of the Department of Aerodynamics at I.T.A. (Instituto Tecnológico da Aeronautica) at São José dos Campos, SP.

Having attended the Gdansk Polytechnic Institute and the University of Michigan, where he got an advanced degree in Aerospace Engineering, Jerzy is 43, married, four children, being involved in DX'ing since 1945.

Jerzy's primary interest are Far East stations and propagation analysis. One of his main contributions to DX'ing has been the development of short-wave band coded graphical loggings, condensing a considerable amount of informations in limited space.

GIACOMO PEROLO

"Jack" is Managing Director of MikroPul do Brasil in São Paulo, SP, the local subsidiary of a North American industrial equipment manufacturer, holding a degree in Industrial Chemistry from Genoa Institute of Technology and another in Electronics Engineering from the Milwaukee School of Engineering.

Single, 39, Jack has been DX'ing since 1949 being primarily interested in Latin American stations and DX below 6 MHz.

Using Jerzy's graphical approach as a starting point, Jack has done developmental work on it since 1962, and it is from his logs that the bulk of the informations reported herewith was extracted.

INTRODUCTION

With the interest aroused by DX'ing in recent years, different organizations have already published band surveys varying greatly in scope and in detail. While the I.T.U. listings are probably the most authoritative and professional in the field, they are limited to "International" short wave bands, i.e. over 5,900 KHz; an additional shortcoming of the I.T.U. publication is that it reports listed schedules and stations, without any guarantee that such station were effectively operating as reported: in fact, some Latin American broadcasters listed by I.T.U. not only never went on the air, but actually never owned a short wave transmitter.

On a less professional level, band surveys published by different DX Clubs appear to be of the fast obsolescent variety in view of the intrinsically volatile nature of the short wave bands associated with the fact that most such surveys only cover a certain band at a certain date.

The primary purpose of this survey is to provide the user with an indication of what channels a station has already made effective use and that, even tho it might be inactive at present time, may be reactivated in the future; the most recent year in which the station was logged is therefore listed next to the station for such purpose.

The authors were particularly critical in screening out informations from outside sources: since reliability and accuracy should come in first place even at the risk of omitting some possible informations, items originating from doubtful sources and lacking satisfactory confirmation were omitted from this listing.

To further define the source of a reported piece of information, the stations actually heard by the authors are conveniently coded as to offer to the user an additional hint on the origin of a certain report.

It is worth adding that this survey is the synthesis of more than 6,500 hours of actual DX'ing time, being primarily derived from more than 160 short wave logs, distributed evenly over a period in excess of 12 years.

The station call and location, specially for Latin American outfits, were taken whenever possible from station verifications, as to dispel conflicting indications from other sources.

Convenient empty space is provided throughout this survey to allow the individual user to add his own remarks and new loggings.

The authors cannot anticipate at this time whether in the future will be published an updating of this survey. At any rate, comments and suggestions will be permanently welcome at this address:

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J.Sielawa
J-Perold
S.Paulo, 1974

REFERENCE CODE

An arbitrary set of codes has been used throughout this survey as to convey most synthetically the largest amount of information of interest. It is recommended to the serious user, more so than to the casual reader, to become fully acquainted with these codes in order to take advantage of the complete meaning of the information reported.

1. The primary objective of this survey is the 60 meter tropical band, spanning 4,750 to 5,050 KHz; for the sake of completion, however, the frequency range surveyed is somewhat larger, covering approximately from 4,200 to 5,200 KHz
2. All pages follow the same pattern, and include:
 - 2.1 Top left: a free space for the user's remarks
 - 2.2 Top right: nominal frequency in KHz of the last station reported in the previous page
 - 2.3 Left column: frequency on which the station was/is operating (Ex. 4,710)
 - 2.3.1 The whole survey is ordered by increasing frequency
 - 2.3.2 All frequency readings are rounded to the nearest KHz
 - 2.3.3 If the frequency is underlined, the corresponding station was actually heard by the authors (Ex. 4,710)
 - 2.3.4 When the frequency is followed by /1 means that the station drifted ± 1 KHz over the nominal frequency reported (Ex. 4,710/1)
 - 2.3.5 Ditto, /2, ditto ± 2 KHz (Ex. 4,710/2)
 - 2.3.6 Ditto, V, means a drift in excess of ± 2 KHz (Ex. 4,710 V)
 - 2.3.7 When the frequency is followed by +1 means that the station shows a preferential positive drift of 1 KHz (Ex. 4,710+1)
 - 2.3.8 Ditto, +2, ditto 2 KHz (Ex. 4,710+2)
 - 2.3.9 Ditto, -1, ditto -1 KHz (Ex. 4,710-1)
 - 2.3.10 Ditto, -2, ditto -2 KHz (Ex. 4,710-2)
 - 2.3.11 When the letters HARM are reported below the frequency (Ex. 4,710^H) means that the signal heard
HARM
was not a planned fundamental emission but the

accidental harmonic of that broadcast.
The harmonic frequency is always an integral multiple of the fundamental emission.

- 2.3.12 When the letters SP are reported below the frequency (Ex. 4, 710) means that the signal heard was not ^{SP} a planned fundamental emission but the accidental spurious of that broadcast. No fixed relationship exists between the spurious emission and the corresponding fundamental signal.

2.4 Second column: station name, call (if any), and station location. In some occasions the same station is reported twice under the same channel due to the change of the station name and/or the country name

- 2.4.1 Russian and Chinese Regional Stations have their frequency doubly underlined when heard by the authors with positive identification of the transmitter location (Ex. 4, 710). Otherwise the location reported has been primarily extracted from the World Radio Handbook, being of limited reliability.

- 2.4.2 A question mark following the station name indicates that such name has not been positively confirmed (Ex. R. Tacuití (?))

2.5 Third column: alternate frequencies (not dual channels) used by the station in other occasions; alternate channels are only reported if located within the 60 meter band.

- 2.5.1 The meaning of /1, /2, V, +1, +2, -1 and -2 is identical to what reported under Items 2.3.4 thru 2.3.10

- 2.5.2 Each of the alternate frequencies is reported again as a main frequency, together with the corresponding date and BLT (Best Listening Time).

- 2.5.3 Some alternate frequencies are printed in brackets (Ex. (4, 710)) thus indicating that, even though effectively heard by the authors, they are not reported separately as per Item 2.5.2, because of their proximity to some other frequency used by the same station and marked V, therefore indicating a drifting channel.

2.6 Fourth column: latest year in which the station was logged operating on the frequency reported in the first column. Therefore, should one wish to find the most recent year in which a station was operating on an alternate frequency, the user should refer directly to the alternate channel in question.

2.7 Fifth (last) column: since the authors live only 96 highway km. apart, the best listening time (BLT) is essentially the same for both locations.

BLT is defined as the time in which, over the years, a station shows peak readability in São Paulo, Brazil at 23°40'S and 46°35'W; such time is coded by underlining the proper figure (Ex. 0700)

2.7.1 All times reported are Brazilian Standard Time (BST) using the 24 hr. system. Add 3 hr. to get GMT.

2.7.2 An F preceding the time notation, indicates that the station fades in at the time reported (Ex. F1910)

2.7.3 An F following the time notation, indicates that the station fades out at the time reported (Ex. 0730F)

2.7.4 A star * preceding the time notation indicates that the station signs on at the time reported (Ex. *0300)

2.7.5 A star * following the time notation indicates that the station signs off at the time reported (Ex. 0100*)

2.7.6 An A following the time notation and sign off sign indicates that the station closes down with the National Anthem (Ex. 0100*A)

2.7.7 A V following the sign off sign indicates that the sign off time varied substantially from day to day (Ex. 0100*V)

2.7.8 A time notation in bracket, followed by a star (Ex. 0200*) indicates the alternate sign off time for the station.

2.7.9 Two times separated by a dash indicate that the station was heard throughout the time span reported (Ex. 0000-0100)

2.7.10 Two times separated by a coma indicate that the station was not continuously heard between the two times reported (Ex. 0000, 0100)

REMARKS:

4,200

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
4,215	R. Peking, Peking, CHINA		73	
4,220	R. Peking, Peking, CHINA		73	
<u>4,250V</u>	R. Tacuiti (?) Guayaramerin, BOL.	4,283V-4,421V	72	2100-0010* (0140*)
4,250	R. Peking, Peking, CHINA		70	
4,258	R. Pyongyang, Pyongyang, N. KOREA	4,275	73	
4,275	R. Pyongyang, Pyongyang, N. KOREA	4,258	73	
<u>4,276V</u>	R. Riberalta, CP117 Riberalta, BOLIVIA	4,257V-4,330V 4,340V	74	2230-2330
<u>4,277V</u>	RDif. Asunción, Asunción, PARAGUAY		74	2100-0100*
4,280	RRY, Djakarta, INDONESIA		73	
<u>4,283V</u>	R. Tacuiti (?) Guayaramerin, BOL.	4,250V-4,421V	73	P1930-0100*

REMARKS:

4,300

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
4,330V	R. Riberalta, CP117 Riberalta, BOLIVIA	4,157V-4,276V 4,340V	73	2230-2330
4,340V	R. Riberalta, CP117 Riberalta, BOLIVIA	4,157V-4,276V 4,330V	73	2230-2330
4,380	Fukien, CHINA		73	
4,395	Yakutsk, USSR		73	

REMARKS:

4,400

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
4,400	Voice of Vietnam, Hanoi, N.VIETNAM		72	
4,400	Urumchi, CHINA		73	
4,401	R.Pyongyang, Pyongyang, N.KOREA		72	
<u>4,421V</u>	R.Tacuiti (?) Guayaramerin, BOL.	4,250V-4,283V	73	F1930-0100*V
<u>4,430</u>	Novosibirsk, USSR		65	2130-2300
<u>4,445</u>	Emisora Central, HCHG2, Vinces EQUADOR	4,500V	62	2100
4,460	R.Peking, Peking, CHINA		73	0720
<u>4,465V</u>	R.Agricultura, CP133, Tupiza, BOL.		73	2230-0030*
<u>4,467</u>	R.Molina (?) Santa Ana, BOLIVIA		73	2000- <u>2200</u> -0000*V
4,480	R.Peking, Peking, CHINA		73	
<u>4,483V</u>	R.Cobija, CP59 Cobija, BOLIVIA	4,497V	62	2230-2310*
4,485	Petropavlovsk, USSR		70	0430
<u>4,497V</u>	R.Cobija, CP59 Cobija, BOLIVIA	4,483V	61	2145-2245 (2300*)

REMARKS:

4,500

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,500V</u>	Emisora Central, HOHG2, Vinces EQUADOR	4,445	60	2200-0100
4,500	VNG, AUSTRALIA		73	
<u>4,500</u>	Urumchi, CHINA		74	2130-2330
<u>4,520</u>	(?), USSR		74	2200-0030
<u>4,525</u>	Potsdam, GDR		74	2030-2300-0100
<u>4,545</u>	R. Nacional Espejo, HCGE2, Guayaquil EQUADOR		62	2210-2240
<u>4,545/1</u>	Alma Ata, USSR		73	0000
4,550	Voice of Vietnam, Hanoi, N. VIETNAM		73	
4,560	Turk & Caicos Isl. VSI, TURK ISLANDS	4,788	69	
<u>4,575V</u>	Wamoxé Radiodif. Guayaramerín, BOL.	4,602.2	71	2030-2315
<u>4,577</u>	R. Guayaramerín, Guayaramerín, BOL.	4,964V	72	2100-0000*V

REMARKS:

4,600

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
4,600	R.Nepal, Kathmandu, NEPAL	4,800-5,000	65	* 2320
<u>4,600V</u>	R.Atalaya, HC2VP Guayaquil, EQUADOR	4,790-4,670	66	2100-0000*
<u>4,602-2</u>	Mamore Radiodif. Guayaramerin, BOL.	4,575	74	F1830-0000*V
4,610	Khabarovsk, USSR		70	
<u>4,615</u>	R.Nacional del Pa raguay, ZPA1 Asunción, PARAGUAY	5,268V-5,273V	72	2030-2200
4,620	R.Peking, Peking, CHINA		70	
4,627	R.Sahara, El Aaiún, SP.SAHARA		72	1900*
<u>4,633</u>	R.Nacional Espejo, HCEW1, Quito, EQUADOR	4,885/2-4,680-2 4,880	61	2100-0200
<u>4,635</u>	Dushambé, USSR		73	2200-2230
<u>4,635</u>	Baku, USSR		65	2200-2300*
<u>4,642</u>	Centro Radiofonico Ecuatoriano, HCAK2 Guayaquil, EQUADOR	4,652-4,655V 4,765	70	2130-0000*

REMARKS:

4,650

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4.652</u>	Centro Radiofonico Ecuatoriano, HCAK2 Guayaquil, EQUADOR	4,642, 4,655V 4,765	71	2300-0200*
<u>4.655</u>	(?), USSR		71	0130-0200
<u>4.655V</u>	Centro Radiofonico Ecuatoriano, HCAK2 Guaysquil, EQUADOR	4,642 - 4,652 4,765	67	2300
<u>4.655</u>	R. Abaroa, CP136 Riberalta, BOLIVIA	4,670-4,729/1 4,740V	72	2030-0030*V
<u>4.656</u>	Baku, USSR		72	2215 0130-0200
<u>4.670</u>	R. Abaroa, CP136 Riberalta, BOLIVIA	4,655-4,729/1 4,740V	72	2200-0100*
<u>4.670</u>	R. Santa Ana, CP89 Santa Ana, BOLIVIA	4,901 - 4,912	74	F1830-2330*V
<u>4.670</u>	R. Atalaya, HQ2VP Guayaquil, EQUADOR	4,600V-4,790	71	2240-0040*
<u>4.670V</u>	Voice of Biafra, BIAFRA		69	1930*(2000*)
<u>4.680-2</u>	R. Nacional Espejo, HCEW1, Quito, EQUADOR	4,633-4,885/2 4,880	74	2230-0000*
<u>4.680V</u>	R. Hanoi, Hanoi, N. VIETNAM	4,684V	66	
<u>4.684V</u>	R. Hanoi, Hanoi, N. VIETNAM	4,680V	70	0715
<u>4.685</u>	R. Victoria, TGLAB Mazatenango, GUATEM.		61	0000-0100
<u>4.690V</u>	R. Reloj, TIHBG2 San José, COSTA RICA	4,692V-4,700V	70	2000-0100*
<u>4.690</u>	R. San Miguel, CP114 Riberalta, BOLIVIA	4,700	73	F1900-0000*

REMARKS:

4,700

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,700V</u>	R. Reloj, TIHBC2 San José, C. RICA	4,692V-4,690V	70	2000-0100*
<u>4,700</u>	R. Genit, HCMX4 Portoviejo, EQUADOR	4,770V-4,772V	56	2100-0130
<u>4,700</u>	R. San Miguel, GP114 Riberalta, BOLIVIA	4,690	74	F1830-0000*
<u>4,700V</u>	R. Nacional Progre so, HCEH3 Loja, EQUADOR	4,706V-4,715V 4,723V-4,730V 4,734V-4,753V 4,775V-4,778V 4,790V	64	2200-0100
<u>4,706V</u>	R. Nacional Progre so, HCEH3 Loja, EQUADOR	4,700V-4,715V 4,723V-4,730V 4,734V-4,753V 4,775V-4,778V 4,790V	65	2240-0230
<u>4,707</u>	Emisora Mariana, HJHZ, Pasto, COLOMBIA	4,761V	69	0030
<u>4,707.2</u>	Ecos de Pasto HJDM Pasto, COLOMBIA		70	2320-0110*
<u>4,707</u>	R. Clube do Lobito OR6RS, Lobito ANGOLA		66	2000
<u>4,710/2</u>	R. Luz y Vida HCAV3 Loja, EQUADOR	4,712-4,825/2	71	2100-0100*(0230')
<u>4,710.1</u>	R. el Mundo HCBK2 Guayaquil, EQUADOR	4,738V-4,742V 4,747V-4,750V	64	0145
4,710	R. Afghanistan Kabul, AFGHANISTAN	4,775	62	
4,710	(?), USSR		72	1705

REMARKS:

4,710

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,711V</u>	R. Leopoldville Leopoldv., CONGO	(4,708)-4,747V 4,728V-4,750V	65	*0100-0340F F1650-2000*
<u>4,715</u>	Ondas Lojanas HCAVB Loja, EQUADOR	4,749V-4,770/2 4,946/1	65	0000*
<u>4,715V</u>	R. Nacional Progre so, HCEH3 Loja, EQUADOR	4,700V-4,706V 4,723V-4,730V 4,734V-4,753V 4,775V-4,778V 4,790V	66	1950-0200
4,719	RRI, Makassar INDONESIA		72	
<u>4,720-1</u>	R. Clube do Mindelo CR4AB, São Vicente CABO VERDE ISL.		66	F1815-1900*A
<u>4,720V</u>	R. Universidad CP85 Tarija, BOLIVIA	4,723V-4,740V	68	2100-0000*
<u>4,723V</u>	R. Nacional Progre so, HCEH3 Loja, EQUADOR	4,700V-4,706V 4,715V-4,730V 4,734V-4,753V 4,775V-4,778V 4,790V	68	2200-0200
<u>4,723V</u>	R. Universidad CP85 Tarija, BOLIVIA	4,720V-4,740V	68	2300-0000*
4,725	Burma Broadc. Serv. XZK2, Rangoon, BURMA	4,795-2 4,808 - 5,040	69	
<u>4,725</u>	R. Universidad CP85 Tarija, BOLIVIA	4,720V-4,723V 4,740V	67	0000*

REMARKS:

4,725

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (EST)
<u>4.728V</u>	R. Leopoldville, Leopoldv., CONGO	(4,708) - 4,711V 4,747V - 4,750V	65	*0100-0410F
<u>4.729/1</u>	R. Abaroa, CP136 Riberalta, BOLIVIA	4,655 - 4,670 4,740V	74	F1930-0030*V
<u>4.730/1</u>	Azad Kashmir R.		72	
<u>4.730</u>	R. el Telegrafo HCBT2, Guayaquil EQUADOR		62	2200-2300*
<u>4.730V</u>	R. Nacional Progreso HCEH3, Loja, EQUADOR	4,700V - 4,706V 4,715V - 4,723V 4,734V - 4,753V 4,775V - 4,778V 4,790V	71	2100-0300
<u>4.732V</u>	R. Popular TIRHB2 San José, C. RICA	4,756V - 4,783V	66	0100
<u>4.734V</u>	R. Nacional Progreso HCEH3, Loja, EQUADOR	4,700V - 4,706V 4,715V - 4,723V 4,730V - 4,753V 4,775V - 4,778V 4,790V	72	F2030-0300
<u>4.735</u>	RDif. do Maranhão ZVF23, S. Luiz, BRAZIL	4,750 - 4,753V 4,755V - 4,757V	60	
<u>4.735/1</u>	R. Loreto, OAXSE Iquitos, PERU	5,051-1	64	1950-0200
<u>4.738V</u>	R. el Mundo, HOBK2 Guayaquil, EQUADOR	4,742V - 4,710-1 4,747V - 4,750V	70	2300-0100*
<u>4.738</u>	La Voz de Imbabura HOIML, Ibarra, EQUAD.		56	2100-2330
<u>4.740V</u>	R. Universidad CP85 Tarija, BOLIVIA	4,720V - 4,723V 4,725	69	2300*
<u>4.740</u>	MIBS, Male MALDIVES ISL.	4,900		
<u>4.740V</u>	R. Abaroa, CP136 Riberalta, BOLIVIA	4,655 - 4,670 4,729/1	73	2100-0030*V

REMARKS:

4,740

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,742V</u>	R.el Mundo, HOBK2 Guayaquil, EQUADOR	4,738V-4,710-1 4,747V-4,750V	70	2100, 0130
<u>4,742V</u>	R.Sararenda GP77 Camiri, BOLIVIA	4,882V-4,885+2 4,887-1 (4,740)	65	F2100-0030* (0230*)
<u>4,745/1</u>	RDif.Nationale du Mali, Bamako, MALI	4,780 - 4,783	64	F1800-2000
<u>4,745</u>	AVROS, Paramaribo SURINAM	4,742 - 4,852	56	2230+
<u>4,745V</u>	R.Monumental TIGPE San José, Costa Rica	4,751V-4,755V	66	2240-0200
<u>4,747</u>	R.Katanga, KATANGA		66	*0050-0200
<u>4,747V</u>	R.Progresso ZYR81 São Paulo, BRAZIL	4,775V-4,781	73	1800-1930
<u>4,747V</u>	R.el Mundo, HOBK2 Guayaquil, EQUADOR	4,738V-4,710-1 4,742V-4,750V	67	2330-0100*
<u>4,747V</u>	R.Leopoldville, Leopoldv., CONGO	(4,708)-4,711V 4,728V-4,750V	65	*0100-0330F
<u>4,749 V</u>	Ondas Lojenas HCAV3 Loja, EQUADOR	4,715-4,770/2 4,946/1	66	2200-0000* ^v
<u>4,749 SF</u>	R.Soc.da Feira, ZYN37,Feira de Santana, BRAZIL	4,765/2	73	2200-2300
<u>4,750</u>	R.Pacasmayo Pacasmayo, PERU		64	0000
<u>4,750V</u>	R.el Mundo, HOBK2 Guayaquil, EQUADOR	4,738V-4,710-1 4,742V-4,747V	65	2300-0100*
<u>4,750</u>	RDif. do Maranhão, ZYP23.S.Luiz, BRAZIL	4,735 -4,753V 4,755V-4,757V	65	F1615-1900* *2000
<u>4,750V</u>	Lubumbashi, ZAIRE	4,711V-4,728V 4,747V	74	0100, 0300
<u>4,750</u>	Tay Bac, N.VIETNAM		72	*0700
<u>4,750</u>	Inner Mongolie CHINA		72	

REMARKS:

4,750

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,751</u> SP	R.Soc. da Feira ZYN37, Feira de Santana, BRAZIL	4,765/2	73	
<u>4,751V</u>	R.Monumental TIGPH San José, C. RICA	4,745V-4,755V	66	2230-0200
<u>4,753V</u>	RDif. do Maranhão ZYP23, S.Luiz, BRAZIL	4,735 - 4,750 4,755V-4,757V	74	F1900, 0000*
<u>4,753</u>	RRI, Makassar YDQ4 INDONESIA		64	F0630, <u>0700</u> , 0745F
<u>4,753V</u>	R.Nacional Progreso HCEH3, Loja, EQUADOR	4,700V-4,706V 4,715V-4,723V 4,730V-4,734V 4,775V-4,778V 4,790V	67	0200
<u>4,754</u>	La Voz de Bolivar HCLJ6, Guaranda EQUADOR		66	2320-0030*
<u>4,755V</u>	RDif. do Maranhão ZYP23, S.Luiz, BRAZIL	4,735 - 4,750 4,753V-4,757V	67	1930-2300* *0500-0600F
<u>4,755-2</u>	Em.Nuevo Mundo HJKC Bogotá, COLOMBIA	4,787	74	0100-0230
<u>4,755-1</u>	R.Em.Bolivia CP62 Oruro, BOLIVIA		74	0100*(0200*)
<u>4,755/1</u>	R.Brasil, ZYY3 Campinas, BRAZIL		74	*0500 (0600)-0100*
<u>4,755</u>	Nung Por Nor Bangkok, THAILAND		69	0710
<u>4,755V</u>	R.Monumental TIGPH San José, C.Rica	4,745V-4,751V	66	2230-0200

REMARKS:

4,755

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4.756</u>	R.Fiji, VRH5 Suva, FIJI ISL.		65	F0320-0410
<u>4.756V</u>	R.Popular TIRMB2 S.José, COSTA RICA	4,732V-4,783V	67	2220
<u>4.757V</u>	RDiF. do Maranhão ZYP23 S.Luiz BRAZIL	4,735 - 4,750 4,753V-4,755V	73	2100-0000 *
<u>4.760</u>	R.Tingo Maria OAX3P, T.Maria, PERU		74	0000-0100*
<u>4.760</u>	AIR Delhi, INDIA		69	
<u>4.760V</u>	R.Frontera, YVPP S.Antonio, VENEZ.	4,765V-4,770V	74	F2100-0000*
<u>4.760</u>	WIBS, Grenada WINDWARD ISL.	5,010 -5,015V	57	1800-1930*
<u>4.760</u>	Dshambul, USSR		72	0630
<u>4.760/1</u>	Kunming, CHINA		72	

REMARKS:

4,760

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,761V</u>	Em. Mariana, HJKM Pasto, COLOMBIA	4,707	66	2110-0000*
<u>4,761</u> SP	R. Brasil, ZYY3 Campinas, BRAZIL	4,755/1	73	1800-1900
4,762	R. Ulan Bator, U. Bator, MONGOLIA		73	0700 2100
<u>4,763-1</u>	R. Cube Mocambique, CR7RM, L. Marques MOZAMBIQUE		68	1700
<u>4,763-1</u>	R. Inca, OCX4W Lima, PERU		71	2330-0230
<u>4,764</u>	RRI, Medan INDONESIA		72	F1945, <u>2030</u> , 2045F
<u>4,765-2</u>	RDTV Congolaise Brazzaville, CONGO		74	F1700-2000 V *0130-0330F
<u>4,765</u>	Centro Radiofonico Ecuatoriano, HCAK2 Guayaquil, EQUADOR	4,642 - 4,652 4,655V	73	2100-0000* (0200*)
<u>4,765/2</u>	R. Soc. da Feira, ZYN37, Feira de Santana, BRAZIL		74	2130-0100* (0130*) *0400-0730F
<u>4,765</u>	RDif, Occidente HJEF Cali, COLOMBIA		61	2330-2350
<u>4,765V</u>	R. Frontera, YVPP S. Antonio, VENEZ.	4,760V-4,770V	72	F2300-0100*
<u>4,765</u>	RDif. Poços de Cal das, Poços, BRAZIL	5,013+2	71	2100-0000*

REMARKS:

4,765

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,767-2</u>	R.Catatumbo, HJDY Ocaña, COLOMBIA		70	2330+
4,770	R.Peking Peking, CHINA		73	
4,770	AIR, Gahwati, INDIA		69	
4,770V	R.Pyongyang, Pyongyang, N.KOREA	(4,767V)	69	0725
4,770	Pituksuntiradse R. Bangkok, THAILAND		60	0700
<u>4,770</u>	R.Cajamarca OAX2G Cajamarca, PERU		59	0140-0200*
<u>4,770</u>	R.Visconde do Rio Branco, Visc. do Rio Branco, BRAZIL		69	2000+
<u>4,770/2</u>	Ondas Lojanas HCA/B Loja, EQUADOR	4,715 - 4,749V 4,946/1	65	F1930, 0000*
<u>4,770V</u>	R.Cenit, HCMX4 Portoviejo, EQUADOR	4,772V-4,700	72	0045-0130*
<u>4,770V</u>	R.Frontera, YVPP S.Antonio, VENEZ.	4,760V-4,765V	67	0100*A
<u>4,770</u>	R.Continental ERIC S.Pedro Sula, HOND.	4,778	61	2200-0130*
<u>4,770</u>	EEWA, Monrovia, LIBERIA		74	*0315-0515F F1710-2000*
4,770/1	RRI, Djakarta INDONESIA		69	
<u>4,770V</u>	R.Onda Musical HIAS, S.Domingo DOMINICAN REP.	4,774V-4,782V 4,795V	66	2300-0100
<u>4,770V</u>	R.Bolivar YVQE Ciudad Bolivar, VENEZ.	(4,769)-(4,772)	74	2100-0130 *0600-0640F

REMARKS:

4.770

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4.771-2</u>	R. Bolivar, YVQE-YVNW Ciudad Bolivar, VEN.		74	2200-0100
<u>4.772V</u>	R. Cenit, HGMK4 Portoviejo, EQUADOR	4,700 - 4,770V	68	0030-0200*
<u>4.774V</u>	R. Onda Musical HIAS S. Domingo, DOMIN. R.	4,770V-4,782V 4,795V	73	2200-2300
<u>4.774/1</u>	RDTV Gabonaise Libreville, GABON	4,777 - 5,025 5,040	60	1800*
<u>4.775+2</u>	R. los Andes, CP84 Tarija, BOLIVIA		74	1900-0100* (0200*)
<u>4.775/2</u>	R. Dragão do Mar ZYH23, Fortaleza BRAZIL	(4,773)	68	F1530-2200*
<u>4.775V</u>	R. Progresso, ZYR81 S. Paulo, BRAZIL	4,747V-4,781V	73	2200-2300*
<u>4.775</u>	R. Comercial da An gola, Sé da Bendei ra, ANGOLA	4,795 - 4,859	65	*0300
<u>4.775V</u>	R. Nacional Progreso HCEK3, Loja, EQUADOR	4,700V-4,706V 4,715V-4,723V 4,730V-4,734V 4,753V-4,778V 4,790V	73	2200-0300
<u>4.775</u>	R. Afghanistan, Kabul, AFGHANISTAN	4,710	69	<u>2310-2340P</u>
<u>4.775</u>	Em. Kennedy, HJKW Bogotá, COLOMBIA		73	0100-0130
<u>4.775</u>	AIR, Gahati, INDIA		68	

REMARKS:

4.775

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4.777</u>	RDTV Gabonaise Libreville, GABON	5,025 -4,774/1 5,040	74	F1650-2000* *0130-0345F
<u>4.778V</u>	R.Nacional Progreso HUEH3, Loja, EQUADOR	4,700V-4,706V 4,715V-4,723V 4,730V-4,734V 4,759V-4,775V 4,790V	73	2100-0200* v
<u>4.778</u>	R.Continental HRLC S. Pedro Sula, HOND.	4,770	63	2300+
<u>4.780</u>	R.Diff. Nationale du Mali, Bamako, MALI	4,783-4,745/1		
<u>4.780</u>	R.Singapore SINGAPORE		60	0715F
<u>4.780</u>	R.Djibouti, TYZ3 Djibouti, AFARS & ISSA		74	F1620-1700* *0000-0045F
<u>4.780</u>	R.Juticalpa HRRZ Juticalpa, HONDURAS	4,950 - 4,960	73	2015-0000*
<u>4.780</u>	La Voz de Carabobo YVLA, Valencia, VEN.		72	F1900-0100*
<u>4.780</u>	R.Atahualpa, HCMQ1 Quito, EQUADOR		71	F2030-0130*
<u>4.780</u>	Moscow, USSR		73	2300-0130, 0500-0600

REMARKS:

4.780

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4.781V</u>	R. Progresso ZYR81 S. Paulo, BRAZIL	4,747V-4,775V	68	1600-1700
<u>4.781</u>	RRI, Djambi YDK6 INDONESIA		68	
<u>4.782V</u>	R. Onda Musical H8AS S. Domingo, DOMIN. R.	4,770V-4,774V 4,795V	66	2000-2130
<u>4.783</u>	RDiff. Nationale du Mali, Bamako, MALI	4,780-4,745/1	72	F1750-2100* *0300-0345F
<u>4.783V</u>	R. Popular TIR8B2 S. José, COSTA RICA	4,732V-4,756V	68	0145-0300
<u>4.785</u>	Kunming, CHINA		70	0710
<u>4.785</u>	R. Atlantida OAX8F Iquitos, PERU	4,840 - 4,850 5,180 - 5,190	73	F2100-0300*V
<u>4.785+2</u>	Voice of Tanzania Dar es Salaam, TANZ.	4,846 - 5,050	74	0030-0100
<u>4.785</u>	R. Niger Niamey, NIGER	5,020	61	*0230
<u>4.785</u>	Ecos del Combeima, HJLW. Ibaguè, COL.	4,790	66	2220-0100*
<u>4.785</u>	R. Horizonte OAX3B Tingo Maria, PERU		71	F2030, 0200*
<u>4.785</u>	R. Fiji, VRH5 Suva, FIJI ISL.	4,756	63	0400
<u>4.785-1</u>	R. Indoamerica CP54 Potosí, BOLIVIA		64	2240-0000*
<u>4.785</u>	Baku, USSR		73	0000-0030
<u>4.785</u>	R. Ribamar, ZYMB São Luiz, BRAZIL		72	F1750-1900
<u>4.785/2</u>	R. Caiari, ZYY20 Porto Velho, BRAZIL	4,955-1	74	2030-0100

REMARKS:

4.785

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4.787-2</u>	RDiff. du Mali Bamako, MALI	4,780 -4,745/1 4,783	73	F1715-2100* *0300-0345F
<u>4.787</u>	Em. Nuevo Mundo HJKC, Bogotá, COL.	4,755-2	55	2100+
<u>4.788</u>	Turks & Caicos Isl. WSIS, TURKS ISL.	4,560	72	0450+
<u>4.790</u>	SABC, South Africa		74	F1800-0430F
<u>4.790</u>	R. Nazca, OAX5X Nazca, PERU		66	0200-0210
<u>4.790</u>	R. Malayisia Penang, MALAYSIA		68	
<u>4.790</u>	R. Atalaya HC2VP Guayaquil, EQUADOR	4,600V-4,670	73	F2000-0100*(0130')
<u>4.790</u>	Ecos del Combeima HJLW, Ibague, COL.	4,785	71	2030-0200*
<u>4.790</u>	Ondas Porteñas YCA Puerto la Cruz, VEN.		72	2220-0100* 0650-0710F
<u>4.790</u>	R. 1º de Mayo HRST Tela, HONDURAS		66	F2040-0000*
<u>4.790V</u>	R. Nacional Progreso HCEH3, Loja, EQUADOR	4,700V-4,706V 4,715 V-4,723V 4,730V-4,734V 4,753V-4,775V 4,778V	65	2230-0330

REMARKS:

4,790

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,793</u>	R. Burundi Bujumbura, BURUNDI		64	*0100-0120F
<u>4,795</u>	R. Brazzaville Brazzaville, CONGO		74	*0200-0400F
<u>4,795</u>	R. Comercial da An gola, Sa da Bandei ra, ANGOLA CR6RG	4,775 - 4,859	65	* <u>0230</u> -0315F
<u>4,795V</u>	R. Onda Musical HIAS S. Domingo, DOMIN. R.	4,770V-4,774V 4,782V	69	2300
<u>4,795-2</u>	Burma BS, XZK2 Rangoon, BURMA	4,725 - 4,808 5,040	59	
<u>4,795</u>	R. Reloj, HJCN Bogotá, COLOMBIA		68	2200-0200
<u>4,795/2</u>	R. Nueva America CP73, La Paz, BOLIVIA	4,797V	74	F2000-0200*
<u>4,795</u>	R. Tabajara, PRI4 João Pessoa, BRAZIL		74	F1720-0000* *0500-0600
<u>4,795</u>	French Equat. Africa Brazzaville, FEA		59	*0230
<u>4,795</u>	R. Congonhas, ZYP37 Congonhas, BRAZIL		74	*0600-2200*
<u>4,795</u>	Ulan Ude, USSR		68	0715
<u>4,795/2</u>	La Voz de los Caras HCAS4, Bahia, EQUADOR		73	2220-0200
<u>4,797</u>	R. Nueva America CP73, La Paz, BOLIVIA	4,795/2	74	F1900-0210*V

REMARKS:

4.795

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,800</u>	R.Lesotho Maseru, LESOTHO		74	*0100-0240F
<u>4,800</u>	R.Peking Peking, CHINA		73	1700
<u>4,800</u>	R.Lara, YVMO Barquisimeto, VENEZ.	4,849	74	F1945-0100*A
<u>4,800</u>	Onda Azul, OBX7C Puno, PERU		68	2100-0000*(0100*)
4,800	R.Nepal Kathmandu, NEPAL	4,600 - 5,000	63	*2320
4,800	Brazzaville, CONGO		69	1615
4,800	AIR Hyderabad, INDIA		69	2150
4,800	Shanghai, CHINA		73	
<u>4,800</u>	R.Popular, HCMV5 Cuenca, EQUADOR	4,807	74	0100-0300

REMARKS:

4,800

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,801/1</u>	R. 15-50, OCY4S Huancayo, PERU		72	2100-0130, 0200*
<u>4,804</u>	Voice of Kenya Kisumu, KENYA		72	0030-0140P
<u>4,804</u>	R. Amazonas, HCSV5 Cuenca, EQUADOR		65	0000-0100
<u>4,805</u>	R. Villarica OAX5V Huancavelica, PERU	4,877 - 4,885 4,943	65	0000-0210*
<u>4,805+2</u>	RDif. do Amazonas ZYS8, Manaus, BRAZIL	4,807	74	F1915-0100* *0700

REMARKS:

4,805

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SCHED & BLT (BST)
<u>4,806-1</u>	R. Por Um Mundo Me lhor, ZYV71 Gov. Valadares, BR.		74	*0600-0000*(0100*)
4,806	RRI, Djakarta INDONESIA		69	
<u>4,807/2</u>	R. Popular, HCMV5 Cuenca, EQUADOR	4,800	73	2100-0300*
<u>4,807</u>	R. Clube de S. Thomé CR5SC, São Thomé		65	F1740, 1900* *0300-0325F
<u>4,807</u>	R. Reunion St. Denis, REUNION	4,820	74	0000-0040F
<u>4,807-2</u>	RDif. do Amazonas ZYSS, Manaus, BRAZIL	4,805+2	74	1930-0100*
4,808	Burma BS, XZK2 Rangoon, BURMA	4,725 -4,795-2 5,040	59	
<u>4,808</u>	Bukavu BELGIAN CONGO	4,839	59	0120
<u>4,808</u>	R. Buenaventura HJAM Buenaventura, COL.	4,835	64	0100
4,809	Azad Kashmir R.		69	
<u>4,810</u>	R. Popular YVMG Maracaibo, VENEZ.		74	F1930-0100*
<u>4,810</u>	ELWA Monrovia, LIBERIA		55	1615*
<u>4,810</u>	SABC South Africa		65	*0140 F1640-1910*
<u>4,810V</u>	R. Canal Manabita MORF4, Portoviejo EQUADOR	4,817V-4,815-2 4,823-2		F2000-0200

REMARKS:

4,810

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,812</u>	R. Iracema ZYH27 Fortaleza, BRAZIL	4,815	65	*0600-0730F F1700-2300*
<u>4,815</u>	R. Samarey (?) Iquitos, PERU		74	2230-0200*
<u>4,815</u>	RDif. Petropolis ZYP33, Petropolis BRAZIL		74	1600*(1700*)
<u>4,815</u>	R. Peking Peking, CHINA		74	F1700-2055*
<u>4,815</u>	R. Pakistan Quetta, PAKISTAN		72	
<u>4,815-1</u>	R. Amazonas, OAX8X Iquitos, PERU		73	0000-0200*A
<u>4,815-2</u>	RDif. du Haute Volta, Ouagadougou, UPPER VOLTA REP.	4,813	74	F1750-2000* *0300-0400F
<u>4,815</u>	R. Iracema, ZYH27 Fortaleza, BRAZIL	4,812	66	2200-2300*(0100*) *0500
<u>4,815</u>	R. Huancavelica OAX5U, Huancavelica PERU		64	2330-0200*(0300*)
<u>4,815</u>	La Voz de Manabí HCFA4, Portoviejo EQUADOR	4,825V	62	0100-0230
<u>4,815</u>	R. Valledupar HJDD Valledupar, COLOMBIA		67	0000-0030
<u>4,815/2</u>	R. Canal Manabita HCRF4, Portoviejo EQUADOR	4,810V-4,817V 4,823-2	73	F2200-0200*

REMARKS:

4,815

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,817</u> v	R.Canal Manabita HCRT4, Portoviejo EQUADOR	4,810V-4,815/2 4,823-2	69	0100-0200 *
<u>4,820</u>	R.Angola CR6RZ Luanda, ANGOLA	4,955	73	F1630, 2100F *0200, 0330F
<u>4,820</u> V	R.Grigotá CP70 Santa Cruz, BOLIVIA	4,824V-4,826V 4,831V	71	0030*V
<u>4,820</u>	Voz Evangelica HRVC, Tegucigalpa HONDURAS		74	F1930-0130*
<u>4,820</u>	AIR Bhopal, INDIA		61	
<u>4,820</u>	R.Gambia, Bathurst, GAMBIA		73	F1915-2000* *0100 (*0330)-0500*
<u>4,820</u>	R.La Oroya OAZ4G La Oroya, PERU		64	0000-0100*
<u>4,820</u>	R.Reunion St.Denis, REUNION	4,807	62	2330-2350
<u>4,820</u>	R.Casa de la Cultu ra, XEJG, Guadala jara, MEXICO		67	2200-0200*
<u>4,820</u> V	R.Paz y Bien HCRT6 Ambato, EQUADOR	4,822V	71	2100-0100*V
<u>4,820</u>	Magadan, USSR		69	0350
<u>4,820</u>	AIR Calcutta, INDIA		69	
<u>4,820</u> /1	RRI, Pontianak YDW INDONESIA		70	
<u>4,820</u>	R.Victoria OAX4Q Lima, PERU	4,840	62	2200-0000*

REMARKS:

4,820

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SCHED & BLT (BST)
<u>4.823</u>	Voice of Vietnam Hanoi, N. VIETNAM		69	0745
<u>4.823V</u>	R.Canal Manabita HCRF4, Portoviejo EQUADOR	4,810V-4,815/2 4,817V	72	0100-0300
<u>4.824V</u>	R.Grigotá CP70 Santa Cruz, BOLIVIA	4,820V-4,826V 4,831V	74	F1900-0300
<u>4.824/1</u>	R.Educadora da Pa raiba, ZYE7, Parna iba, BRAZIL		74	2200-2330*
<u>4.825</u>	R.San José OAX7R Indiana, PERU		69	2100-0000*
<u>4.825</u>	Voz de las Fuerzas Armadas, HIFA, San to Domingo, DOMIN.R.		73	2330-0200*A
<u>4.825</u>	R.Clube de Vargi nha, ZYF225, Vargi nha, BRAZIL		74	0730-2200*
<u>4.825V</u>	La Voz de Manabi HCFA4, Portoviejo EQUADOR	4,815	68	2300-0000*V
<u>4.825</u>	Ashkabad, USSR		71	*2200, F2330-0200F
<u>4.825V</u>	R.Nariño, HJHC Pasto, COLOMBIA		65	2300-0200*
<u>4.825/2</u>	R. Luz y Vida HCAV Loja, EQUADOR	4,712-4,710/2	73	0100-0230.
<u>4.825</u>	R.Moquegua OAX6Z Moquegua, PERU		73	0320-0410*

REMARKS:

4.825

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4.826/2</u>	Rhodesia B/C Corp. Lusaka, RHODESIA	4.828	56	
<u>4.826V</u>	R.Grigotá CP70 Santa Cruz, BOLIVIA	4.820V-4.824V 4.831V	66	2100-0000* (0200*)
<u>4.828</u>	Gwelo, RHODESIA		73	0100-0130
4.830	R.Thailand, HSK Bangkok, THAILAND		61	
<u>4.830V</u>	Voz del Tachira YVOA, San Cristo bal, VENEZUELA	4.838V	74	P1900-0100* *0600-0715F
<u>4.830</u>	Ondas del Angel HCJS1, EL Angel EQUADOR		69	2300-0130

REMARKS:

4,830

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,831V</u>	R. Grigota CP70 Santa Cruz, BOLIVIA	4,820V-4,824V 4,826V	71	F1700-0200 ^V
<u>4,831</u>	RDTV Gabonaise Franceville, GABON		73	*0130-0320 ^F
<u>4,832+2</u>	R. Capital, TIHB S. José, COSTA RICA	4,834	74	F1930-0300
<u>4,833</u>	R. Clube de Moçambique, CR7RM, Lourenço Marques, MOZ.		65	F1620-1900 [*] 0100-0300
<u>4,835</u>	R. Tesulutlán TGTZ Gobán, GUATEMALA		72	2115 [*]
<u>4,835/2</u>	R. Buenaventura, HJAM, Buenaventura, COLOMBIA	4,808	72	
<u>4,835V</u>	Voz del Valle HCAM4, Portoviejo EQUADOR		69	0155 [*]
<u>4,835V</u>	R. Sicuani OAX7T Sicuani, PERU	(4,837)-4,967	68	2100-0100 [*]
<u>4,835V</u>	RDif. Roraima ZYAL Boa Vista, BRAZIL	(4,837)-4,839V	73	F2130-2300 [*]
<u>4,835V</u>	R. Continental HXKE Bogotá, COLOMBIA	4,838V	61	0200 [*]
<u>4,835</u>	R. Malaysia Sarawak, MALAYSIA	4,950	73	F0640, 0700, 0745 ^F F1945, 2150 ^F
<u>4,835</u>	R. Soudan Bamako, SOUDAN		61	1920-1940
<u>4,835/1</u>	RDif. Nationale du Mali, Bamako, MALI		65	F1710-2000 [*] *0200-0345 ^F
<u>4,835</u>	R. Triangulo Minei- ro, ZYV37, Uberaba, BRAZIL		74	*0600-2100 ^F
<u>4,835V</u>	R. Bucaramanga HJGF Bucaramanga, COL.	4,843-4,845V	66	2300

REMARKS:

4,835

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,836</u>	R.Botswana, ZND Gaberones, BOTSWANA	4,845	69	A* 0100-0200F
<u>4,836</u>	RDif. Tulcán, HCJTL Tulcán, EQUADOR		62	2200-2300*
<u>4,838</u>	Fukien, CHINA		72	
<u>4,838V</u>	Voz del Tachia YVOA S.Cristobal, VENEZ.	4,830V	66	0100* *0700-0715F
<u>4,838-2</u>	R.Clube Cuanza Sul CR6RY, Novo Redondo ANGOLA	4,840-2	62	1900*(2000*)
<u>4,838V</u>	R.Continental HJKE Bogotá, COLOMBIA	4,835V	61	0200*
<u>4,839</u>	Bukavu, ZAIRE	4,808	74	F1650-1800 *0100-0230F
<u>4,839</u>	RRI, Ambon INDONESIA		72	0600
<u>4,839V</u>	RDif.Roraima ZYAI Boa Vista, BRAZIL	(4,837)-4,835V	74	1930-0000*
<u>4,840</u>	R.Andahuaylas OBX52 Andahuylas, PERU		74	F1915-0100*
<u>4,840</u>	Voz del Atlantico HIFP, Puerto Plata, DOMINICAN REPUBLIC		66	
<u>4,840</u>	AIR Bombay, INDIA		68	
<u>4,840</u> HARM	R.Carajá ZYW32 Anapolis, BRAZIL		73	1830-2030
<u>4,840</u>	R.Atlantida OAX8F Iquitos, PERU	4,785 - 4,850 5,180 - 5,190	72	0000-0200
<u>4,840/2</u>	R.Valera YVOI Valera, VENEZUELA		69	F2000-0200*A
<u>4,840</u>	Voz del Pacifico YSCB, Sonsonate EL SALVADOR		64	2245-2310
<u>4,840</u>	R.Clube Mocambique CR7RM L.Marques, MOZAMBIQUE		61	0030-0100
<u>4,840</u>	R.Rabaul VL9BR Rabaul, NEW GUINEA		62	
<u>4,840</u>	R.Victoria, OAX4Q Lima, PERU	4,820	63	0200*

REMARKS:

4,840

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,841V</u>	Voz del Valle HMAP4 Machachi, EQUADOR	(4,842)	68	2150-0100
<u>4,843</u>	R. Bucaramanga HJGF Bucaramanga, COL.	4,835V-4,845V	66	
<u>4,843</u>	R. Brazzaville Brazzaville, CONGO		74	F1700-1800, 1900* (*0130)*0200-0340F
<u>4,843V</u>	Casa de la Cultura HCCRI, Quito, EQUAD.	4,850V-4,930	69	2100-0100*
<u>4,845</u>	R. Botswana ZND Gaberones, BOTSWANA	4,836	74	*0100-0250F
<u>4,845</u>	R. Malaysia Penang, MALAYSIA		72	
<u>4,845/2</u>	R. Fides CP12 La Paz, BOLIVIA		74	F1915-(0000*) 0100*
<u>4,845</u>	RDif. Terezina ZYUB Terezina, BRAZIL		74	1945-0100* *0500-0730F
<u>4,845V</u>	R. Bucaramanga HJGF Bucaramanga, COL.	4,835V-4,843	66	2040-0100

REMARKS:

4,845

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
4,846	Voice of Tanganyika Dar es Salaam, TANG.	4,785 - 5,050	59	
<u>4,847</u>	R. San Isidro HRVK La Ceiba, HONDURAS		70	2000-0000 ^v
<u>4,848</u>	CSA93, Ponta Delgada AZORES ISL.	4,865	58	1710
<u>4,849</u>	PZC, Paramaribo SURINAM		61	1815+
<u>4,849</u>	R. Lara YVMO Barquisimeto, VEN.	4,800	66	0100 ^A
<u>4,850</u>	R. Universo YVNK Barquisimeto, VEN.	4,880	66	2040-0100 ^A
<u>4,850V</u>	Casa de la Cultura HCCRL, Quito, EQUAD.	4,843V-4,930	69	2340-0110 [^]
<u>4,850</u>	RD Mauritanie Nouakchott, MAURIT.	4,855	74	F1650-2000 [^]
4,850	R. Goa Goa, PORT. INDIA	4,890	60	2230
4,850	MIBS Forest Side, MAURITIUS		63	
<u>4,850V</u>	R. Centenario CP66 Santa Cruz, BOLIVIA	4,855V-4,858-2 4,866-1-4,873V	74	2100, 0100 [^]
<u>4,850</u>	Tashkent, USSR		74	<u>2200-0130</u>
<u>4,850</u>	R. Atlantida OAX8F Iquitos, PERU	4,785 - 4,840 5,180 - 5,190	71	0030-0200 [^]

REMARKS:

4,850

PREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,851</u>	R.Clube Huambo CR6RD, Nova Lisboa ANGOLA		61	1830 [*] <u>0320-0340F</u>
4,852	AVROS, Paramaribo SURINAM	4,742 -4,745	57	2230-2240
<u>4,852V</u>	R.Neiva HJFV Neiva, COLOMBIA	4,855V-(4,857) 4,869	65	2200-0200 [*]
<u>4,855-2</u>	RRI, Palembang YDK INDONESIA	4,865	73	F2010-2140F
<u>4,855V</u>	RDif. Taubaté ZYR6L Taubaté, BRAZIL	4,865	74	*0600-0100 [*]
<u>4,855</u>	RD Mauritanie Nouakchott, MAURIT.	4,850	62	0400-0420
<u>4,855</u>	ENBS Enugu, NIGERIA		67	1930 [*] *0100-0240F
4,855	Voice of Kenya VQ7LO, Nairobi, KENYA		60	1700 [*]
<u>4,855V</u>	R.Neiva HJFV Neiva, COLOMBIA	4,852V-(4,857) 4,869	66	2000-0200 [*]
<u>4,855V</u>	R.Centenario CP66 Sta.Cruz, BOLIVIA	4,850V-4,858-2 4,866-1-4,873V	74	F1930-0100 [*]
<u>4,855-1</u>	R.Clube Moçambique CR7RM, L.Marques, MOZAMBIQUE		73	*0100-0300F
4,855	R.Biafra Enugu, BIAFRA		68	0230

REMARKS:

4,855

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,856</u>	R.Chinchaycocha OBZ4Z Chinchaycocha, PERU		73	2230-0100*
<u>4,857</u> SP	R.Jornal do Brasil ZYZ30, Rio, BRAZIL		72	2100-0230
<u>4,858</u>	Ondas Zamora HCCV3 Loja, EQUADOR	4,900	73	2100-0000*
<u>4,859</u>	R.Comercial GR6RG Sa da Bandeira, ANG.	4,775 - 4,795	65	*0300
<u>4,859</u>	R.Clube de Moçamb. CR7RM, L.Marques MOZAMBIQUE		65	*0130-0200 F1620-1800*
<u>4,860</u>	R.Maracaibo YVQE Maracaibo, VENEZ.		73	F1900-0100*A *0600-0715F
<u>4,860</u>	Voz del Progreso HI5C, S.Francisco Macoris, DOMINIC.R.		61	2120-2130
<u>4,860</u>	Srinagar, KASHMIR		55	2300-0100
<u>4,860</u>	R.Cumaná YVQE Cumaná, VENEZUELA		64	2200-0130*
<u>4,860</u>	R.Mundo YVNB Maracaibo, VENEZ.		67	2030-0100
<u>4,860</u>	AIR Delhi, INDIA		68	
<u>4,860</u>	Moscow, USSR		73	2100-0300

REMARKS:

4,860

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,861</u>	R.Chanchamayo OAZAP La Merced, PERU	(4,895)-4,868V 4,897V	65	2230-0200
<u>4,861</u>	R.Luz de America HCDD1, Quito, EQUAD.	4,865V	64	2300-0200*
<u>4,862</u>	R.Juliaca, OAK7Z Juliaca, PERU	5,082	62	2100-2345~
<u>4,865</u>	RDif.Taubaté ZYR61 Taubaté, BRAZIL	4,855V	73	1800
<u>4,865V</u>	R.Luz de America HCDD1, Quito, EQUAD.	4,861	66	2100-0000
<u>4,865+2</u>	R.Clube Pará PRG5 Belém, BRAZIL		74	F1800-0100* *0500-0730F
<u>4,865</u>	RD Açores GSA97 Ponta Delgada, AZOR.	4,848	69	1730-2000*A
<u>4,865-2</u>	R.Brunei, BRUNEI		64	F0630, <u>0650</u> , 0750F
<u>4,865/1</u>	Lanchow, CHINA		70	0745+
<u>4,865</u>	R.Cenit, HCDR4 Bahia, EQUADOR		69	0030-0100
<u>4,865</u>	RRI, Ambon INDONESIA		68	0715

REMARKS:

4,865

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BNT)
<u>4,866-1</u>	R. Centenario CP66 Sta. Cruz, BOLIVIA	4,850V-4,858-2 4,855V-4,873V	65	2100-0000 *
<u>4,867</u>	R. Clube Mocambique CR7RM, L. Marques MOZAMBIQUE		73	0200-0300
<u>4,867-2</u>	Voz del Cinaruco HJLZ, Arauca, COL.		73	0100-0300
<u>4,868V</u>	R. Chanchamayo OAZA La Merced, PERU	(4,895)-4,861V 4,897V	64	F2050-2300
<u>4,869V</u>	R. Neiva, HJFN Neiva, COLOMBIA	(4,857)-4,852V 4,855V	66	2230-0200 *
<u>4,869/1</u>	R. Clube de Angola CR6RN, Luanda, ANGOLA		72	F1720-2000 * *0245-0310F
<u>4,870+1</u>	R. Diff. Dahomey Cotonou, DAHOMEY	4,875	72	*0215-0310F F1640-1900
<u>4,870/2</u>	R. Tropical, YVKP Caracas, VENEZUELA	(4,872)-4,900	74	2100, 2230F, 0100* A *0700-0710F
<u>4,870</u>	R. Ceylon Colombo, CEYLON		64	F0630, 0720F
<u>4,870</u>	R. Rio Amazonas HCGM7, Macuma, EQUAD.	4,874V	73	0100-0250 *

REMARKS:

4,870

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,871V</u>	R.Norte CP110 Montero, BOLIVIA	4,919V-4,938V (4,940)-4,961V 4,995V	70	2000-0100*(0200*)
<u>4,872</u>	R.Santa Cruz TGQH Sta.Cruz del Qui- che, GUATEMALA		67	2000-0000*
<u>4,872</u>	RRI, Sorong INDONESIA		73	2000-2030*
<u>4,873V</u>	R.Centenario CP66 Sta.Cruz, BOLIVIA	4,850V-4,858-2 4,855V-4,866-1	65	F2050-0000*
<u>4,874V</u>	R.Rio Amazonas HC- GM7, Macuma, EQUADOR	4,870	64	0200-0400
<u>4,875V</u>	R.Cruz del Sur CP75, La Paz, BOLIVIA	4,985 - 5,025	74	1900-0030
<u>4,875</u>	RDiff.Dahomey Cotonou, DAHOMEY	4,870+1	65	*0230-0410F
<u>4,875+2</u>	Voz del Cauca HJEC Popayán, COLOMBIA		67	0100-0200 *0700
<u>4,875/1</u>	Voz de Esmeraldas HCVE4, Esmeraldas EQUADOR		66	2030-0200*
<u>4,875</u>	SABC, SOUTH AFRICA		71	1715 0200-0300
<u>4,875</u>	RRI, Surakarta INDONESIA		61	
<u>4,875</u>	Voz del Norte HJEC Cucuta, COLOMBIA		64	0500-0600
<u>4,875</u>	R.Jornal Brazil ZYZ30, Rio, BRAZIL		74	*0600-0300*

REMARKS:

4,875

PREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,877/1</u>	R.Villarica OAX5U Huancavelica, PERU	4,805 - 4,885 4,943	68	0200-0300*
<u>4,877</u>	VTVM, Saigon SOUTH VIETNAM		65	2000-2040P
<u>4,877-2</u>	R.Villavicencio HJDE, Villavicencio COLOMBIA		66	0330-0630
<u>4,879</u>	R.Leopoldville Leopoldv. BELGIAN CONGO		61	1840-2000*
<u>4,880</u>	Kinshasa, ZAIRE		74	F1830-1900, 0200-0330P
<u>4,880+2</u>	R.Comercial, HIJP S.Domingo, DOMIN.R.		74	2200, 0300* A, V
<u>4,880</u>	R.Universo, YVMS Barquisimeto, VENEZ.	4,850	74	1900-0100
<u>4,880</u>	R.Nacional Espejo HCEWL, Quito, EQUAD.	4,633-4,885/2 4,680/2	66	2130, 0300*
<u>4,880</u>	Voz del Atlantico HRQW3, Puerto Cortez HONDURAS	4,905	63	0200*
<u>4,880</u>	AIR Lucknow, INDIA		68	

REMARKS:

4,880

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,882</u>	R. Peking Peking, CHINA		73	1830
<u>4,882V</u>	R. Sararenda CP77 Camiri, BOLIVIA	4,742V-4,885+2 4,887-1-(4740)	70	2200*
<u>4,885+2</u>	RDif. Acreana ZYD9 Rio Branco, BRAZIL		74	F2000-0230*
<u>4,885</u>	R. Angola Luanda, ANGOLA		64	1845+
<u>4,885/1</u>	Ondas del Meta HJIC Villavicencio, COL.		71	2330-0200
<u>4,885+2</u>	R. Sararenda CP77 Camiri, BOLIVIA	4,742V-4,887-1 4,882V-(4,740)	68	0000*(0230*)
<u>4,885</u>	Voice of Kenya VQ7LO, Nairobi KENYA		65	1800* <u>0100-0130F</u>
<u>4,885</u>	R. Villarica OAX5U Huancavelica, PERU	4,805-4,877/1 4,943	73	0000-0200*
<u>4,885/1</u>	R. Cultura Poços de Caldas, ZYN50 Poços, BRAZIL	4,904V	74	*0500-0100*
<u>4,885/1</u>	R. Ibare CP105 Trinidad, BOLIVIA	4,958+1	69	2200*
<u>4,885/2</u>	Novosibirsk, USSR	4,885-2	68	
<u>4,885/2</u>	R. Nacional Espejo HCEWI, Quito, EQUAD.	4,633-4,680-2 4,880	66	2330-0200
<u>4,885</u>	RRI, Bukittinggi INDONESIA		72	

REMARKS:

4,885

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,886</u> +1	R. Pioneira, ZYG26 Terezina, BRAZIL		73	1800-0000* *0500-0630P
4,886	Vladivostok, USSR		69	
<u>4,887</u> -1	R. Sararenda CP77 Camiri, BOLIVIA	4,742V-4,885+2 4,882V-(4,740)	73	0000-0100* (0200*)
4,890	R. Bangladesh Dacca, BANGLADESH		73	1745-1800
<u>4,890</u>	R. Lux HRVC Olanchito, HONDURAS		66	F2110, <u>2140</u> , 0000*
<u>4,890</u>	ABC, VLT4, Port Moresby, N. GUINEA		68	*0430, <u>0630</u> , 0730P
<u>4,890</u>	RDif. Senegal Dakar, SENEGAL	4,893	74	F1710-2100* 0230-0515P
<u>4,890</u>	RDif. Venezuela YVKB, Caracas, VENEZ.		74	F1930-0100*A *0600-0710P
4,890	R. Goa Goa, PORT. INDIA	4,850	56	*2330

REMARKS:

4,890

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,891</u>	R.Clube Moçambique CR7RM, L.Marques MOZAMBIQUE		73	0110-0230
<u>4,891</u>	R.San Juan, OAZ4R Tarma, PERU		73	0000-0200*(0400*)
<u>4,893</u>	RDiff. Senegal Dakar, SENEGAL	4,890	60	1930
<u>4,893</u>	R.Inter Dakar, AOF		58	F1730
<u>4,894</u>	Eerevan, USSR		68	2320-0120F
<u>4,895</u>	AIR Kurseong, INDIA		72	
<u>4,895</u>	R.Clube Bié CR6RO Silva Porto, ANGOLA		72	1940-2000*
<u>4,895</u>	R.Malaysia Serawak, MALAYSIA		72	0645
<u>4,895/1</u>	R.Cultura Bahia ZYN22, Salvador, BR.		74	F1830-0000* *0600-0710F
<u>4,895</u>	R.Baré, PRF6 Manaus, BRAZIL		74	F1700-1900, 0000*
<u>4,895</u>	SABC, SOUTH AFRICA		70	F1640-1830 *0130
<u>4,895</u>	R.Martinique Fort de France MARTINIQUE		66	2000-2040
<u>4,895-2</u>	R.CORDAC, 9UZ24 Bujumbura, BURUNDI	4,920	68	*0030
<u>4,895</u>	Ashkabad, USSR		73	0000-0200

REMARKS:

4,895

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,897V</u>	R.Chanchamayo OAZ4T La Merced, PERU	(4,895)-4861V 4,868V	74	0000-0200 *
4,897	VTVN Saigon, S.VIETNAM		68	0700
4,897	ABC, VLX4 Perth, AUSTRALIA		56	0500
4,897	SABS, ZRG, S.AFRICA		56	0140
<u>4,898/2</u>	Voz de la Peninsu la, HCMP2, La liber ta, EQUADOR		65	2300-0120 *
<u>4,898V</u>	R.Amboró CPSS Sta.Cruz, BOLIVIA	4,900V-4,912V 4,915V	66	2300*(0100*)
<u>4,900V</u>	Voz de Sasquisili HCVS6, Sasquis.EQ.	(4,899)-4,903V	66	2040-0100 *
<u>4,900</u>	R.CORDAC 9UZ24 Bujumbura, BURUNDI		72	0030-0130
4,900	RRI, Gorontalo INDONESIA		64	F0630, 0710F
<u>4,900</u>	RD Guineé Conakry, GUINEA R.	4,910-1	69	1800
<u>4,900</u>	R.Juventud YVNK Barquisimeto, VENEZ.		72	F1830-2230
<u>4,900</u>	Ondas del Zamora HCCV3, Loja, EQUADOR	4,858	63	2130
<u>4,900</u>	Em.Atlantico HJAG Barranquilla, COL.	4,905-1	64	
<u>4,900</u>	R.Tropical YVKP Caracas, VENEZUELA	4,870	61	2100-0130
<u>4,900V</u>	R.Amboró CPSS Sta.Cruz, BOLIVIA	4,898V-4,912V 4,915V	68	0000-0120 *
4,900	Maldives Isl.BS Male, MALDIVE ISL.	4,740	68	

REMARKS:

4,900

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4.901V</u>	R.Santa Ana CP89 Sta.Ana,BOLIVIA	4,670 -4,912V	73	2030-2300*
<u>4.903V</u>	La Voz de Sasquisi li HCVS6,Sasquis. EQUADOR	(4,899)-4,900V	66	2020-0000*V
<u>4.904V</u>	R.Cultura Poços C. ZYN50,Poços,BRAZIL	4,885/1	64	0000-0130
<u>4.904</u>	RDiff. du Tchad F.Lamy, TCHAD REP.		73	F1730-1800* *0200
<u>4.905</u>	R.Relogio Federal ZYZ20,Rio,BRAZIL		74	* 0500-0000* (0100*)
<u>4.905-2</u>	R.Guatapuri HJSP Valledupar, COL.	4,915	69	2030+
<u>4.905V</u>	Voz del Atlantico, HRQN3,Puerto Cortez, HONDURAS	4,880 -4,909V	66	0200*
<u>4.905</u>	R.Libertad, HI5B Santiago, DOMIN.R.		59	2000-2200
<u>4.905+2</u>	Em.Atlantico HJAG Barranquilla, COL.	4,900	74	2130-0200*
<u>4.905</u>	R.Peking Peking, CHINA		66	1900-2000

REMARKS:

4,905

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,907</u>	RDif. Nat. Khmere Phnom Penh, CAMBODIA	4,910 -4,995V 5,004V (Also 4,930 to 4,950)	74	*1900, 2000, 2040F
4,908	RRI, Bukittinggi INDONESIA		68	0710
<u>4,908</u>	R. Clube Lobito CR6RS, Lobito, ANG.	4,707	65	*0300-0330F
<u>4,908V</u>	RDif. Macapá ZYE2 Macapá, BRAZIL	4,911V-4,915V	65	F2100-2300 *
4,909+1	RRI, Djakarta INDONESIA		57	0700F
<u>4,909V</u>	Voz del Atlantico HRQJ3, Puerto Cortez HONDURAS	4,880-4,905V	66	2030-2300
4,910	RDif. Nat. Khmere Phnom Penh, CAMBODIA	4,907 -5,004V 4,995V (Also 4,930 to 4,950)	66	
<u>4,910+2</u>	R. Tawantinsuyo OAX7C, Cuzco, PERU		70	2130-2200
<u>4,910</u>	R. Carora, YVNI Carora, VENEZUELA	5,018 -2	72	0730 2210
<u>4,910-1</u>	RDif. Guinée Conakry, GUINEA R.	4,900	73	0000-0340F F1720
<u>4,910-1</u>	R. HIN, Santo Domingo, DOMINICAN REP.	4,912/1	67	2000-2300
<u>4,910/1</u>	Em. Gran Colombia HCMJ1, Quito, EQUAD.		68	0000-0300

REMARKS:

4,910

FREQ.	STATION LOCATION	ALTERN.FREQ.	YEAR	SCHED & BLT (BST)
<u>4,911/1</u>	R.Zambia Luzaka, ZAMBIA		73	F1800-1900 0100-0130
<u>4,911</u>	Salisbury SOUTH RHODESIA		61	*0100-0230
<u>4,911V</u>	RDif. Macapá ZYE2 Macapá, BRAZIL	4,908V-4,915V	71	2100-0000* *0500-0600
<u>4,912</u>	R.Tarawa, VTW2 Tarawa, GILBERT & ELLICE ISLANDS		66	*0430-0730F
<u>4,912/1</u>	R.HIN, Santo Domin go, DOMINICAN REP.	4,910-1	73	0100-0300
<u>4,912V</u>	R.Santa Ana, CP89 Sta. Ana, BOLIVIA	4,670V-4,903V	73	2100-2200
<u>4,912V</u>	R.Amboró, CP88 Sta. Cuz, BOLIVIA	4,898V-4,900V 4,915V	69	2020-2200, 0200
<u>4,913/1</u>	Voz del Pacifico HRSY, S.Lorenzo, HOND.		67	2100-2330*
<u>4,915+2</u>	Em.Rio S.Francisco ZYL20, Penedo, BRAZIL	4,920 - 4,925	70	F2000 0000-0030
<u>4,915</u>	R.Bangladesh Dacca, BANGLADESH		73	2300
<u>4,915</u>	Voice of Kenya Nairobi, KENYA		73	*0000-0130F
<u>4,915V</u>	R.Amboró, CP88 Sta. Cruz, BOLIVIA	4,898V-4,900V 4,912V	69	2200
<u>4,915+2</u>	R.Caracas YVKB Caracas, VENEZUELA	4,920-2	56	F2030
<u>4,915</u>	Gold Coast BS Accra, GOLD COAST		56	
<u>4,915V</u>	RDif. Macapá ZYE2 Macapá, BRAZIL	4,908V-4,911V	74	*0500-0600
<u>4,915</u>	R.Cult. Araraquara, ZYR60 Araraq. BRAZIL		74	*0600-0000*
<u>4,915-1</u>	R.Guatapuri HJSF Valledupar, COLOMBIA	4,905-2	72	0110-0200*
<u>4,915</u>	R.Ghana Accra, GHANA		72	*0200-0330F
<u>4,915</u>	R.Pakistan Quetta, PAKISTAN		68	2310
<u>4,915</u>	Harbin, CHINA		72	

REMARKS:

4,915

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,916-1</u>	R.Trebol, HCAH3 Zaruma, EQUADOR		72	0000-0200 *
<u>4,919V</u>	R.Norte, CP110 Montero, BOLIVIA	4,871V-4,938V (4,940)-4,961V 4,995V	67	2100-2200*
<u>4,920</u>	Voz S.Raymundo TGFV S.Raymundo, GUATEM.		67	2030-2200
<u>4,920</u>	(?), USSR		73	F1700-1900*
<u>4,920</u>	Em.Rio S.Francisco ZYL20, Fenedo, BRAZIL	4,925-4,915+2	64	0530-0630
<u>4,920</u>	ABC, VLM4, Brisbane AUSTRALIA		65	F0300-0730F
<u>4,920-2</u>	R.Caracas, YVKB Caracas, VENEZUELA	4,915+2	73	0030-0300
<u>4,920</u>	R.CORDAC, 9UZ24 Bujumbura, BURUNDI	4,895-2	67	*0100-0150F
<u>4,920</u>	AIR, VUM Madras, INDIA		73	F2110-2240F
<u>4,920</u>	R.Progreso, HRPL3 El Progreso, HOND.		74	2200- <u>0100</u>

REMARKS:

4,920

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,921-1</u>	Ondas del Titicaca OBX7H, Puno, PERU		73	F1800, 2230-0100*V
<u>4,923</u>	R. Quito, HCQR1 Quito, EQUADOR	5,125V	74	F1930-0130
<u>4,923</u>	Voice of the Coast Mombasa, KENYA		56	
<u>4,923</u>	R. Clube Moçambique CR7RM, L. Marques MOZAMBIQUE		73	F1720-1900 * 0000-0345F
<u>4,925</u>	R. Clube Moçambique CR7RM, L. Marques MOZAMBIQUE		69	1745
<u>4,925</u>	Em. Rio S. Francisco ZYL20, Penedo, BRAZIL	4,920-4,915+2	68	0000
<u>4,925</u>	R. Industrial ZYV32 Juiz de Fora, BRAZIL		74	*0700-0000*

REMARKS:

4,925

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,926</u>	R.Ecuatorial EAJ206 Rio Muni, SP.GUINEA		74	*0200-0310F 1800-1900
4,926-1	RRI, Djambi, YDK6 INDONESIA		73	2030-2120F
<u>4,926V</u>	R.Junin, YVOT S.Cristobal, VENEZ.	4,930V	66	2120-2230
<u>4,930</u>	R.Casa Cultura HCCRI, Quito, EQUADOR	4,843V-4,850V	73	2100-2230, 0100*
4,930	Forces Broadc.Stat. Benghazi, LIBYA		55	1800-1845
<u>4,930V</u>	R.Junin, YVOT S.Cristobal, VENEZ.	4,926V	69	2100-0030 (0130*A)
<u>4,930</u>	R.Mil, HIBE, Santo Domingo, DOMIN.REP.	4,940	73	F2015-0300
<u>4,930</u>	(?), USSR		74	F1730-1800* *2300-0120F
4,930	RRI, Sumakarta INDONESIA	4,932-2	67	

REMARKS:

4,930

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,931</u>	Escuelas Radiofonias (R.Catolica), Tegucigalpa, HONDUR.		73	<u>2100</u> *
<u>4,932+2</u>	R.Poti, ZYI21 Natal, BRAZIL	4,935V	72	2200-2300
<u>4,932</u>	Nigerian BS, Benin City, NIGERIA		73	F1730-2000* *0130-0400P
<u>4,932-2</u>	RRI, Surakarta YD44 INDONESIA	4,930-2	69	
<u>4,934</u>	R.Abancay, OAX5Q Abancay, PERU	4,997-1	64	0030+
<u>4,934</u>	Voice of Kenya ZGW71, Nairobi, KENYA		69	F1700-1720 *0000-0040P
<u>4,935V</u>	R.Poti, ZYI21 Natal, BRAZIL	4,932+2	73	F1800-2330 *0600-0730P
<u>4,935</u>	R.Villavicencio HJDE, Villav., COL.		66	0000-0030
<u>4,935/1</u>	R.Tropical, OAX9E Tarapoto, PERU	4,937-1	73	F2130-0100*A
<u>4,935V</u>	Lins R.Clube ZYR243 Lins, BRAZIL	4,939	73	*0600-1900*
<u>4,935-1</u>	R.Ecclesia, CR6RB Luanda, ANGOLA	4,985	65	* <u>0230-0315</u> P
<u>4,935</u>	Ondas de Ibague HJLF, Ibague, COLOM.		62	2100-2120

REMARKS:

4,935

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,936</u>	R.Clube Moçambique Porto Amelia, MOZAMB.		72	0230-0300
<u>4,937</u>	Voz de Suyapa HRVS Tegucigalpa, HONDURAS		63	2230+
<u>4,937-1</u>	R.Tropical, OAX9E Tarapoto, PERU	4,935/1	64	2200+
4,938	R.Sanaah Sanaah, YEMEN		68	1810
<u>4,938V</u>	R.Norte, CP110 Montero, BOLIVIA	4,871V-4,919V (4,940)-4,961V 4,995V	74	F1730-0000*(0100*)
<u>4,939V</u>	Line R.Clube ZYR218 Lins, BRAZIL	4,935V	65	2130-2300*
<u>4,940</u>	Kiev, USSR		74	*0000-0200
<u>4,940</u>	R.Mil, HIBE, Santo Domingo, DOMIN. REP.	4,930	66	0100+
<u>4,940-2</u>	RDif.Nac.Ecuador HCXZ1, Quito, EQUAD.		73	F2100-0100*(0200*)
<u>4,940</u>	RDif.Cote d'Ivoire Abidjan, IVORY COAST	4,945	74	F1640-2000* A*0300 (*0230)
<u>4,940</u>	R.Varacuy YVPA San Felipe, VENEZ.		74	2100, 0100*A
<u>4,940V</u>	R.Norte, CP110 Montero, BOLIVIA	4,871V-4,919V 4,961V-4,995V	68	2000-0000
<u>4,940</u>	Voz de Suyapa HRVZ Suyapa, HONDURAS		60	2300F
<u>4,940</u>	RDif.Haitienne 4VM, P.Prince, HAITI		67	2130-2300*
<u>4,940</u>	RDif.Ocidental YVMO Barquisimeto, VENEZ.		64	2200-2330*

REMARKS:

4,940

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,943</u>	R.Villarica, OAX5V Huancavelica, PERU	4,805 - 4,885 4,877/1	63	2330+
4,943	Voice of Kenya ZHW6, Kisumu, KENYA		57	
<u>4,945/2</u>	R.Colosal, HJDH Neiva, COLOMBIA		74	0130-0700F
<u>4,945</u>	SABC, SOUTH AFRICA		73	F1640-0430F
<u>4,945</u>	Voz de Artigas Artigas, URUGUAY		72	0010-0050
<u>4,945</u>	RDiff.Cote d'Ivoire Abidjan, IVORY COAST	4,940	56	1930*
<u>4,945V</u>	R.Nac.Colombia HJCQ, Bogota, COLOM.	4,949V-4,955V 4,958V	64	0130*
<u>4,945V</u>	R.Educ.Braganca ZYE22, Braganca, BR.	4,951V	69	1800+
<u>4,945</u>	R.Capixaba, ZY025 Vitoria, BRAZIL		74	F1500-0000*

REMARKS:

4,945

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BET)
<u>4,946/1</u>	Ondas Lojanas HCAV3 Loja, EQUADOR	4,715 -4,749V 4,770/2	65	2200-0000*
<u>4,949V</u>	R.Nac.Colombia HJXQ Bogotá, COLOMBIA	4,945V-4,955V 4,958V	66	2000-0200*
4,950	R.Pakistan Peshawar, PAKISTAN		72	
<u>4,950</u>	R.Juticalpa,HRRZ Juticalpa,HONDURAS	4,780 - 4,960	67	2130-0000*
<u>4,950</u>	R.Sarawak Kuching, MALAYSIA	4,835	74	0700
<u>4,950</u>	RDiff. du Senegal Dakar, SENEGAL		68	F1650-2000 ⁺ *0300-0400F
<u>4,950</u>	R.Coro, YVMM Coro, VENEZUELA		68	0030-0100*A
4,950	Jamaica Broadc.Co. Kingston, JAMAICA		55	2000, 0015*(0100*)
<u>4,950V</u>	R.Cult.Campos PRF7 Campos, BRAZIL	4,955V	69	2100-2300*
4,950	Voice of Kenya Nairobi, KENYA		69	

REMARKS:

4,950

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
4,951V	R. Educ. Bragança ZYE23, Bragança, BR.	4,945V	65	F1830-2300*
4,951V	R. Juan XXIII, CP90 San Inacio, BOLIVIA	4,967V-4,971V 4,974V-5,125V	68	2100-0000*V
4,951-1	R. Madre de Dios OAX71, P. Maldonado, PERU		73	F1920-0030*V
4,955V	R. Nac. Colombia HJGQ, Bogotá, COLOM.	4,945V-4,949V 4,958V	74	2300-0210*V
4,955	R. Angola, CR6RZ Luanda, ANGOLA	4,820	64	F1800-1930* *0300-0330F
4,955	R. Mali Dakar, SENEGAL		60	0430F
4,955V	R. Cultura Campos PRF7, Campos, BRAZIL	4,950V	74	*0600-0000*
4,955-1	R. Caiari, ZYQ35 Porto Welho, BRAZIL	4,785/2	67	*0700

REMARKS:

4,955

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,956-2</u>	R. Marajoara ZYE21 Belém, BRAZIL		69	2200-2300
<u>4,958+1</u>	R. Ibare, GP105 Trinidad, BOLIVIA	4,885-1	74	F1845-2300* (2330*)
4,958	R. Peking Peking, CHINA		69	*0630
<u>4,958</u>	Baku, USSR		65	2200-0210F
<u>4,958V</u>	R. Nac. Colombia HJQQ, Bogotá, COLOM.	4,945V-4,949V 4,955V	66	2100-2200
<u>4,960</u>	R. Ruta, HCSC5 Riobamba, EQUADOR		63	2230+
<u>4,960</u>	AIR Delhi, INDIA		63	
<u>4,960</u>	RDiff. Nat. Malgache Tananarive, MADAGASCAR		69	*0030-0125F
<u>4,960</u>	R. Juticalpa, HRRZ Juticalpa, HONDURAS	4,780 - 4,950	65	0000*
<u>4,960</u>	R. Sucre, YVQA Sucre, VENEZUELA		74	2300, 0100*
4,960	R. Peking Peking, CHINA		68	*0630
<u>4,960</u>	R. Federación HCFS Sucua, EQUADOR		73	2000-2300*V
<u>4,960</u> HARM	R. Bragança, ZYM9 Bragança, BRAZIL		71	2200-2300

REMARKS:

4,960

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
4,961/1	R. Huanuco, OAX3D Huanuco, PERU		68	2200-0100*V
<u>4,961V</u>	R. Norte, GP110 Montero, BOLIVIA	4,871V-4,919V 4,940V-4,995V	67	2300-0000*
<u>4,962</u>	R. Antillas, HICN S. Domingo, DOMIN. R.		72	2100, 0200*
<u>4,964V</u>	R. Guayaramerin Guayaramerin, BOL.	4,577	67	2130-0000*
<u>4,965</u>	Voice of Kenya ZQW76, Mombasa, KENYA		61	<u>0030-0050F</u>
<u>4,965</u>	R. Santa Fé, HJAE Bogotá, COLOMBIA		73	F1930, <u>0300</u> , 0740F
<u>4,965</u>	Cook Islands ZK1ZA Rarotonga, COOK ISL.	5,045 -5,050V	57	0200* (0230*)
<u>4,965</u>	Lusaka, ZAMBIA		73	F1650-1820*
<u>4,965</u>	SABC, SOUTH AFRICA		73	1800-1900* *0100-0400F

REMARKS:

4,965

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,967</u>	R. San Juan OBX1Q Piura, PERU		69	2120-0000*V
<u>4,967</u>	R. Sicuani OAX7T Sicuani, PERU	4,835V-(4,837)	71	2230-0100*
<u>4,967</u>	Kuwait B. Serv. KUWAIT		65	1755-1820*A (1810*A)
<u>4,967</u>	R. Clube Malanje CR6RE, Malanje, ANG.		65	1830-1900* *0300-0320F
<u>4,967V</u>	R. Juan XXIII, CP90 S. Inacio, BOLIVIA	4,951V-4,971V 4,974V-5,125V	73	2200-2330
<u>4,968-1</u>	R. Mogadiscio Mogadiscio, SOMALIA		65	F1650-1700* *0000-0045F
<u>4,970</u>	R. Ondurman Kartoum, SUDAN	4,988V-4,993V 5,008V-5,018V 4,990V-5,039	62	
<u>4,970</u>	R. Malaysia 9WD215 Sabah, EAST MALAYSIA		73	0650
<u>4,970</u>	R. Rumbos, YVLK Caracas, VENEZUELA		73	F1830-0200*A *0600-0710F

REMARKS:

4,970

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,971+1</u>	R.Cultura, OCX7B Arequipa, PERU		73	2230-0100*
<u>4,971V</u>	R.Juan XXIII, CP90 S.Inacio, BOLIVIA	4,951V-4,967V 4,974V-5,125V	74	2100+
<u>4,972</u>	RDiff. Cameroun Yaoundé, CAMEROUN	4,975	74	F1650-2000*(2200*) *0200-0330F
<u>4,972</u>	R.Tarqui, HCGH1 Quito, EQUADOR	5,140	69	2150-0000, 0100*
<u>4,972</u>	ORTF, Cayenne FRENCH GUYANA		73	2100-2230*(0000*)
<u>4,974V</u>	R.Juan XXIII, CP90 S.Inacio, BOLIVIA	4,951V-4,967V 4,971V-5,125V	69	2130-2300*
<u>4,975/2</u>	R.Timbiras ZYV9 São Luiz, BRAZIL		73	F1640-0000* *0500, 0800F
<u>4,975-2</u>	R.Internacional HJJC, Cucuta, COLOM.	(4,972)	69	0500
<u>4,975</u>	RDiff. Cameroun Yaoundé, CAMEROUN	4,972	56	1800*
<u>4,975</u>	Blagoveshenk, USSR		70	2300-0030F
<u>4,975-1</u>	R.del Pacifico OCX4H, Lima, PERU		74	0000-0130*
<u>4,975</u>	Foochow, CHINA		67	
<u>4,975-1</u>	R.Copacabana ZYD39 Rio, BRAZIL		74	1600-2300*V (0200*)

REMARKS:

4,975

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLE (BST)
<u>4,976</u>	Uganda Broadc. Serv. Kampala, UGANDA		71	*0100-0140F
<u>4,976V</u>	Ecos del Torbes YVOC S.Cristobal VENEZUELA	4,980V	66	2300-0100
<u>4,980</u>	R. Agricultura Lima, PERU		63	2230+
<u>4,980V</u>	Ecos Torbes, YVOC S.Cristobal, VENEZ.	4,976V	74	F2020-0100 ⁺ A
<u>4,980</u>	R. Puerto Maldonado OBX7U, P. Maldon., PERU		68	2130-0100*
<u>4,980</u>	Fukien, CHINA		60	
<u>4,980</u>	R. Pakistan Karachi, PAKISTAN		66	*F2130, <u>2200</u> , 2320F
<u>4,980</u>	Ghana Broadc. Serv. Ejura, GHANA		73	F1650-2000 0230-0300
<u>4,980/1</u>	Ondas Azuayas HCJC5 Cuenca, EQUADOR		70	F2000-0200*
<u>4,980</u>	R. Illimani, CP5 La Paz, BOLIVIA		72	2100-0100*
<u>4,980</u>	Ondas del Yaque HI3K, Santiago DOMINICAN REPUBLIC		61	0110-0130

REMARKS:

4,980

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
4,981	UFAC, Elizabethville BELGIAN CONGO		60	1800*
<u>4,985-1</u>	R. Ecclesia CR6RB Luanda, ANGOLA	4,935-1	74	0200-0300
<u>4,985/1</u>	Voz do Oeste ZYZ5 Cuiabá, BRAZIL		74	F1720,0000-0100* *0600,0830F
<u>4,985/1</u>	Cruz del Sur CP75 La Paz, BOLIVIA	4,875V-5,025V	69	F1800, 2330-0000*
4,985	R. Mombasa Mombasa, KENYA		55	
<u>4,985</u>	Transm. Independencia HJGV, Tunja, COLOM.		62	2200+
<u>4,985</u>	R. Aparecida ZYR89 Aparecida, BRAZIL		74	*0500-0000*
<u>4,985-2</u>	R. Malaysia Singapore, MALAYSIA	(4,983)	73	F1930-2110F
<u>4,985</u>	RDiff. Nat. Malgache Tananarive, MADAGASCAR		73	0000-0050F

REMARKS:

4,985

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
4,988-2	AIR Hyderabad, INDIA	4,990	60	
<u>4,988V</u>	R. Ondurman Kartoum, SUDAN	4,970V-4,990V 4,993V-5,008V 5,018V-5,039	65	F1640-1800* <u>0100-0150F</u>
<u>4,990</u>	R. Barquisimeto YVMQ, Barquisimeto VENEZUELA		74	F1830-0100*A *0700-0715F
<u>4,990V</u>	R. Ondurman Kartoum, SUDAN	4,970V-4,988V 4,993V-5,008V 5,018V-5,039	62	
4,990	AIR Hyderabad, INDIA			
<u>4,990</u>	Nigerian Broadc.S. Lagos, NIGERIA		73	F1620-1900* *0130-0345F
<u>4,990</u>	R. Atkanta, OBX10 Chulucanas, PERU		69	2350-0120*A
4,990	Alma Ata, USSR		69	
4,990	Changsa, CHINA		72	

REMARKS:

4,990

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,992</u>	R. Javier HCSJ1 Quito, EQUADOR		64	2200-2240
<u>4,993V</u>	R. Ondurman Kartoum, SUDAN	4,970V-4,988V 4,990V-5,008V 5,018V-5,039	71	F1750-1800* *0100-0150F
<u>4,995</u>	R. Juventud HRQW Tela, HONDURAS		66	2145-0030
<u>4,995+1</u>	R. Andina OAZ4C Huancayo, PERU		74	F2020,0015-0300
<u>4,995V</u>	RDiff. Nat. Khmere Phnom Penh, CAMBODIA	4,907 - 4,910 5,004V (Also 4,930 to 4,950)	68	
<u>4,995/2</u>	R. Brasil Central ZYY2, Goiania, BRAZIL		74	*0500-0200*V
<u>4,995V</u>	R. Norte, CPL10 Montero, BOLIVIA	4,871V-4,919V 4,940V-4,961V	72	2100-0010*V
<u>4,995</u>	R. Huancavelica Huancavelica, PERU		61	0040-0100

REMARKS:

4,995

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>4,996</u>	Magadan, USSR		65	0100, 0250-0400
4,996	RTA Time Signal Stn. Novosibirsk, USSR		73	2000-2010
<u>4,997/1</u>	R.Abancay OAX5Q Abancay, PERU	4,934	68	2300-0030
<u>5,000</u>	R.Nepal Kathmandu, NEPAL	4,600 - 4,800	73	*2120, <u>2240</u> , 2300F
5,000	IBF Time Signal Stn. Turin, ITALY		69	0345
<u>5,000</u>	WWV Time Signal Stn Boulder, USA		73	F1850-0600F
<u>5,000</u>	WWVH Time Signal Stn. Hawaii, USA		73	0200-0230
<u>5,000</u>	LOL Time Signal Stn B.Aires, ARGENTINA		74	F1640-2200 0600-0800F
5,000	BPM Time Signal Stn. CHINA		73	
<u>5,000</u>	ZUO Time Signal Stn SOUTH AFRICA		65	2100-0230F

REMARKS:

5,000

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>5,001V</u>	R. Jaen OAX2S Jaen, PERU	5,005-1	63	0000
<u>5,003</u>	R. Clube Cabinda CR6RW, Cabinda ANGOLA	5,032-1	63	F1820
<u>5,004V</u>	RDif. Nat. Khmææ Phnom Penh, CAMBODIA	4,907 - 4,910 (Also 4,930 to 4,950)-4,995V	68	
<u>5,005-1</u>	R. Jaen, OAX2S Jaen, PERU	5,001V	72	2200-0100 ^A
<u>5,005V</u>	R. Centinela del Sur HCVC3, Loja, EQUADOR	5,015V-5,024V 5,035V-5,053V 5,060V-5,121V	72	2330-0230
<u>5,005</u>	R. Peking Peking, CHINA		73	
<u>5,005</u>	RDif. la Convención OBX7K, Quillabamba PERU		72	2300+

REMARKS:

5,005

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>5,007V</u>	R.Cristal, HIMS S.Domingo, DOMIN.R.	5,010V	67	2120-0200
5,008V	R.Ondurman Kartoum, SUDAN	4,970V-4,988V 4,990V-4,993V 5,018V-5,039	58	*0115-0230*
5,010	RDiff.Malgache Tananarive, MADAGASCAR		68	
<u>5,010</u>	R.Addis Ababa Addis Ababa, ETHIOPIA	5,055	64	<u>0100-0220F</u>
<u>5,010</u>	RDiff.Cameroun Garoua, CAMEROUN		74	F1720-1900* *0200-0250F
<u>5,010</u>	R.Singapore SINGAPORE		73	F1930-2130F
<u>5,010</u>	R.Boconó, YVRW Boconó, VENEZUELA		67	2000-0000*
<u>5,010</u>	WIBS, Grenada WINDWARD ISLANDS	4,760 - 5,015	58	2130*
<u>5,010V</u>	R.Nac.Colombia HJCA, Bogotá, COLOM.	5,014 V	56	0140-0205*
<u>5,010/1</u>	R.Ecos OAXSV Iquitos, PERU		74	F2050-0200*
<u>5,010V</u>	R.Cristal, HIMS S.Domingo, DOMIN.R.	5,007V	72	2200, 0200*

REMARKS:

5.010

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>5.013/2</u>	Gwelo, RHODESIA		70	*0100-0200F
<u>5.013</u>	R.590, Ciudad de Mexico, MEXICO		61	2145-2210
<u>5.013+2</u>	RDif.Pocos ZYF208 Pocos, BRAZIL	4,765	74"	* 0530-0000"
<u>5.014V</u>	R;Nac.Colombia HJCA, Bogotá, COL.	5.010V	55	2100+
<u>5.015V</u>	R.Centinelas del Sur HCVC3, Loja, EQUADOR	5,005V-5,024V 5,035V-5,053V 5,060V-5,121V	73	2315-0030
<u>5.015</u>	WIBS, Grenada WINDWARD ISLANDS	4,760 - 5,010	73	F1945-2115
<u>5.015</u>	Vladivostok, USSR		73	F1700-1800* 2300-0230 0600, 0810F
<u>5.015V</u>	R.Universo, CP48 La Paz, BOLIVIA	5,017V-5,021V 5,041V	65	F2100
<u>5.015V</u>	R.Catolica, HGRP1 Quito, EQUADOR	5,062-1	61	2230-2245
<u>5.015</u>	R.Clube Moçamedes CR6RM, Moçamedes ANGOLA		72	* <u>0300-0345F</u>

REMARKS:

5.015

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & RLT (BST)
<u>5.017V</u>	Transm. Caldas HJFW Manizales, COLOMBIA	5,020V-5,027V	71	2100-2300 0710F
<u>5.017V</u>	R. Universo, CP48 La Paz, BOLIVIA	5,015V-5,021V 5,041V	73	2100-0100+
<u>5.017</u>	RDif. Guiné, CQM Bissau, PORT. GUINEA	5,041-1 5,044-1	65	F1720-2100*
<u>5.018-2</u>	R. Carora, YVNI Carora, VENEZUELA	4,910	69	2040+
<u>5.018V</u>	R. Ondurman Kartoum, SUDAN	4,970V-4,988V 4,990V-4,993V 5,008V-5,039	63	1800*
<u>5.020V</u>	Transm. Caldas HJFW Manizales, COLOMBIA	5,017V-5,027V	72	F2430, 0300 0600-0740F
<u>5.020</u>	R. Nacional, YVKO Caracas, VENEZUELA		73	2100-2130
<u>5.020</u>	R. Niger Niamey, NIGER	4,785	73	*0230-0320F F1640-1820
<u>5.020</u>	R. Independence 4GS Gonaives, HAITI		66	2200-0000*
5,020	R. Ceylon Colombo, CEYLON		60	*2230
5,020	Kiangsi, CHINA		70	

REMARKS:

5.020

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLF (BST)
<u>5.021V</u>	R.Universo, CP48 La Paz, BOLIVIA	5,015V-5,017V 5,041V	73	0100-0200
<u>5.021V</u>	R.Clube Huila CR6BH Sá da Bandeira, ANGOLA	5,024+1	65	F1720-2000*
<u>5.023V</u>	Ondas Azules HCOB5 Cuenca, EQUADOR	5,025V-5,106V	66	2200-0000*(0100*)
<u>5.023</u> SP	R.Anhanguera ZYW22 Goiania, BRAZIL	5,035-5,048SP 5,028SP-5,042SP	73	1900-0100*
<u>5.024V</u>	R.Centin. del Sur HCVC3, Loja, EQUAD.	5,005V-5,015V 5,035V-5,053V 5,060V-5,121V	73	2230-0200
<u>5.024+1</u>	R.Clube Huila CR6BH Sá da Bandeira, ANGOLA	5,021V	65	1830* *0330-0345P
<u>5.025</u>	Ecos del Zulia, YVMA, Maracaibo, VEN.		61	0300-0320
<u>5.025/1</u>	R.Pax, CR7RA Beira, MOZAMBIQUE		65	*0100-0200P
<u>5.025V</u>	R.Ondas Azules HCOB5, Cuenca, EQUAD.	5,023V-5,106V	66	2330+
<u>5.025</u>	Cruz del Sur CP75 La Paz, BOLIVIA	4,875V-4,985V	70	2100-0000*
<u>5.025</u>	RDTV Gabonaise Libreville, GABON	4,777-4,774/1 5,040	60	1715-1900*
<u>5.025V</u>	R.Educ.Rural ZYK41 Petrolina, BRAZIL	5,027V	66	F1700-0000*(0100*)
<u>5.025/2</u>	R.Aquidauana ZYX30 Aquidauana, BRAZIL		74	F1640-2300 *0515-0620P
<u>5.025</u>	R.Quillabamba OAX7Q Quillabamba, PERU		74	F1900-0030*

REMARKS:

5,025

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>5,026</u>	Uganda BS, Kampala, UGANDA		73	*0100-0240F
<u>5,027V</u>	R.Educ.Rural ZYK41 Petrolina, BRAZIL	5,025V	73	1920 *0500-0630
<u>5,027V</u>	Transm.Caldas HJFW Manizales, COLOMBIA	5,017V-5,020V	55	2100+
<u>5,028</u> SP	R.Anhanguera ZYW22 Goiania, BRAZIL	5,035-5,023SP 5,042SP-5,048SP	73	1900-0100*
<u>5,030</u>	R.Continente YVKM Caracas, VENEZUELA		74	F1900-0200*A (Sun. 0100A) *0600-0715F
<u>5,030</u>	Voz del Papagayo, HIBB, La Romana, DOMINICAN REPUBLIC		65	0000-0050*V (0250*)
<u>5,030+1</u>	R.Peking Peking, CHINA		64	1700-1825* *1830-1925*
<u>5,030</u>	R.Sarawak Kuching, MALAYSIA		73	1930

REMARKS:

5,030

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>5,032</u>	Brisas del Citara Quibdó, COLOMBIA		73	0020-0050*
<u>5,032-1</u>	R.Clube Cabinda CR6RW, Cabinda, ANGOLA	5,003	65	F1750-1900*(2000*) *0300-0340F
<u>5,035/1</u>	R.Espirito Santo ZY024, Vitoria, BRAZ.		74	F1400-1730F
<u>5,035V</u>	Centin.del Sur HCVC3, Loja, EQUADOR	5,005V-5,015V 5,024V-5,053V 5,060V-5,121V	69	0200+
5,035	Tashkent, USSR		68	
<u>5,035</u>	Voz de la Frontera HROE, Ocotepeque HONDURAS		67	2030-0000*
<u>5,035/1</u>	R.Ilo, OAX6U Ilo, PERU		69	0100-0130
<u>5,035</u>	R.Anhanguera ZYW22 Goiânia, BRAZIL	5,023SP-5,028SP 5,042SP-5,048SP	73	F1600-0100* *0630-0930F
<u>5,035-1</u>	R.Bangui CENTRAL AFRICAN R.	5,038/1	73	F1900 *0130-0310F
5,035	R.Pakistan Karachi, PAKISTAN		63	
<u>5,035</u>	Voz Caqueta, HJIC Florescia, COLOMBIA		72	0030-0100*

REMARKS:

5,035

FREQ.	STATION LOCATION	ALTERN.FREQ.	YEAR	SKED & BLT (BST)
<u>5,036</u>	RDiff. du Togo Lomé, TOGO	5,045 - 5,047	60	F1750
<u>5,038/1</u>	R.Bangui CENTRAL AFRICAN R.	5,035-1	73	F1650-2000* V*0130-0315F
<u>5,038</u>	R.Sarawak Kuching, SARAWAK	5,052	60	
<u>5,039</u>	R.Ondurman Kartoum, SUDAN	4,970V-4,988V 4,990V-4,993V 5,008V-5,018V	73	*0115
<u>5,040</u>	Tiflis, USSR		72	F1730-1800* A*2300-0200
<u>5,040-1</u>	R.Valparaiso AVOD Port de Paix, HAITI		69	2240-0000*
<u>5,040</u>	R.los Andes, YVSB Merida, VENEZUELA		69	0130
<u>5,040</u>	Burma BS Rangoon, BURMA	4,725-4,795-2 4,808	73	F0700, <u>0710</u> , 0800F
<u>5,040</u>	RDTV Gabonaise Libreville, GABON	4,777-4,774/1 5,025	61	F1650
5,040	Barbados Rediff.S. ZNX20, Bridgetown BARBADOS		60	
5,040	R.Omrcep Biak, NETH. NEW GUINEA	5,045	59	0710
<u>5,040</u>	R.el Sol HJNE Cali, COLOMBIA		65	2200-0200*(0300*)
<u>5,040+2</u>	R.Maturín YVOR Maturín, VENEZUELA		72	F2120-0100 *0645-0700F
5,040	Foochow, CHINA		70	0645*
<u>5,040</u>	R.Nac.Espejo HGG7 El Puyo, EQUADOR		72	0040-0200*(0230*)
<u>5,040+2</u>	R.Libertad Junín, PERU		74	F1930-0300

REMARKS:

5,040

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>5,041</u>	Voz de Bogotá HJCF Bogotá, COLOMBIA		66	2140-2300*
<u>5,041V</u>	R.Universo CP48 La Paz, BOLIVIA	5,015V-5,017V 5,021V	65	1830+
<u>5,041-1</u>	RDif. da Guiné CQM Bissau, PORT.GUINEA	5,017-5,044-1	73	F1750-2000*(2200*)
<u>5,042</u> SP	R.Anhanguera ZYW22 Goiania, BRAZIL	5,023SP-5,028SP 5,035-5,048SP	73	1900-0100*
<u>5,042V</u>	R.Altiplano CP38 La Paz, BOLIVIA	5,045-1	67	F1900-0200*V
<u>5,043/2</u>	R.Clube Benguela CR6RF, Benguela, ANG.		73	F1845-2000* *0230-0310F
<u>5,043</u>	R.Quibdo HBJJ Quibdo, COLOMBIA		58	2100-0000*
<u>5,044-1</u>	RDif. da Guiné CQM Bissau, PORT; GUINEA	5,017-5,041-1		
<u>5,045</u>	R.Copacabana ZYP23 Rio, BRAZIL		73	1600-0000*
5,045	R.Peking, CHINA		69	
<u>5,045-1</u>	R.Altiplano CP38 La Paz, BOLIVIA	5,042V	74	F1900-0200*
<u>5,045</u>	R.Imperial ZYP23 Petropolis, BRAZIL		66	2100
5,045	Tyumen, USSR		64	
<u>5,045</u>	RDiff. du Togo Lomé, TOGO	5,036 - 5,047	69	2030
<u>5,045</u>	R.Clube Fluminense Petropolis, BRAZIL		67	1600
5,045	R.Omroep Biak, NETH. NEW GUINEA	5,040	59	0650
<u>5,045</u>	Cook Isl. ZKLZA Rarotonga, COOK ISL.	4,965-5,050V	65	<u>0130-0230</u>

REMARKS:

5,045

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>5,047</u>	RDiff. du Togo Lomé, TOGO	5,036 - 5,045	74	F1710-2000* *0230-0330F
5,047	RRI, Jogjakarta INDONESIA YDJ1		68	
<u>5,048</u> SP	R. Anhanguera ZYW22 Goiania, BRAZIL	5,035-5,023SP 5,028SP-5,042SP	74	1900-0100*
<u>5,050V</u>	R. Mundial YVKD Caracas, VENEZUELA	5,056V	74	F1945-0000*A *0600-0715F
<u>5,050</u>	R. Corporación Santiago, CHILE		73	2200-0100
<u>5,050</u>	Voz Medellín HJBW Medellín, COLOMBIA	5,055	62	0130-0150
<u>5,050</u>	R. Cultura YVKD Caracas, VENEZUELA	5,057V	60	2245-2300
<u>5,050-2</u>	R. Tanzania, Dar es Salaam, TANZANIA	4,785 - 4,846 5,052-2	73	*0000-0130
<u>5,050V</u>	Cook Isl. ZK1ZA Rarotonga, COOK ISL.	4,965 - 5,045	55	2215+

REMARKS:

5,050

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>5,051-1</u>	R. Loreto OAKSE Iquitos, PERU	4,735/1	72	2240-0300
<u>5,052-2</u>	R. Tanzania, Dar es Salaam, TANZANIA	4,785 - 4,846 5,050-2	70	*0100
<u>5,052V</u>	R. Singapore SINGAPORE	5,058V	73	F1930-2150F
5,052	R. Sarawak Kuching, SARAWAK	5,038	55	*0445, 0600+
<u>5,052</u>	R. Ulan Bator, Ulan Bator, MONGOLIA	5,067	73	F1940-2050F
<u>5,053</u>	Centro Radiof. Imba bura, HCRIL, Ibarra, EQUADOR	5,070	60	2230+
<u>5,053V</u>	Centin. del Sur, HCVC3, Loja, EQUADOR	5,005V-5,015V 5,024V-5,035V 5,060V-5,121V	66	2250-0000*V
5,054	RRI, Bandung INDONESIA		72	0700
<u>5,055</u>	R. Clube Corumbá Corumbá, BRAZIL		64	2100+
5,055/1	Chita, USSR		68	0000-0100* 0230-0320F
<u>5,055-2</u>	R. Vitoria, ZY023 Vitoria, BRAZIL	5,053	74	1500-0100*(0200*)
<u>5,055</u>	R. Cultura Cuiabá ZYX24, Cuiabá, BRAZIL		74	2100-2300*(0300*)
<u>5,055</u>	R. San Rafael CP87 Cochabamba, BOLIVIA		69	2250-2320*
5,055	Voz Medellín HJBW Medellín, COLOMBIA	5,050	55	2200+
<u>5,055</u>	R. Addis Ababa, Ad dis Ababa, ETHIOPIA	5,010	64	*0030-0140F

REMARKS:

5,055

FREQ.	STATION LOCATION	SLTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>5,056V</u>	R.Mundial YVKD Caracas, VENEZUELA	5,050V	66	2100-0000*
<u>5,057V</u>	R.Cultura, YVKD Caracas, VENEZUELA	5,050	66	1920-2000
5,057	Urumchi, CHINA			
<u>5,058+2</u>	Aden BS, ADEN	5,060	63	1815 *0030, 0130F
<u>5,058/2</u>	R.Onda Imperial OBX70, Cuzco, PERU		71	2100-2230, 0100*
<u>5,058V</u>	R.Singapore SINGAPORE	5,052V	69	
<u>5,060/2</u>	R.Tirana Tirana, ALBANIA		72	0030-0430F F1800-1900*
<u>5,060/2</u>	Aden BS, ADEN	5,058+2	73	F1710-1800 *0000-0130F
<u>5,060V</u>	R.Popular Indepen diente, HCMV5, Cuen ca, EQUADOR		59	2100-0130
<u>5,060+2</u>	R.Clube Huambo CR6RD Nova Lisboa, ANGOLA		72	F1730-2000* *0200-0315F
<u>5,060V</u>	R.Centinelas del Sur HCVC3, Loja, EQUADOR	5,005V-5,015V 5,024V-5,035V 5,053V-5,121V	65	2330-0130* v

REMARKS:

5,060

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>5,061-1</u>	R.Litoral YVRV Macuto, VENEZUELA		71	2100-2330
<u>5,062-1</u>	R.Catolica HCRPI Quito, EQUADOR	5,015V	72	F2010-0030
<u>5,065</u>	Petrozavodsk, USSR		73	0000-0300
<u>5,065</u>	RRI, Medan INDONESIA		68	
<u>5,067</u>	R.Ulan Bator, Ulan Bator, MONGOLIA	5,052	63	
<u>5,070</u>	Centro Radiof. Imba bura HCRII, Ibarra, EQUADOR	5,053	61	2100-2200
<u>5,070</u>	R.Jesus Gran Poder HCJPI, Quito, EQUADOR		68	2130-2310*V (0000*) Fridays only
<u>5,075</u>	R.Peking Peking, CHINA		73	F1730-1855* 2300-0100
<u>5,075</u>	R.Sutatenza HJGC Bogotá, COLOMBIA	5,095	74	F1915-0100*V *0600-0720F
<u>5,075</u>	R.Ceylon Colombo, CEYLON	5,077-2	67	2200
<u>5,076</u>	R.Clube Mexico CR6RV, Luso, ANGOLA	5,126 - 5,137 5,192	73	1855-2000 *0230-0310F
<u>5,077-2</u>	R.Ceylon Colombo, CEYLON	5,075	72	*2145
<u>5,082/2</u>	R.Juliaca, OAX7Z Juliaca, PERU	4,862 - 5,180	73	F1845-0200*
<u>5,084</u>	RRI, Medan, INDONESIA		72	0710
<u>5,090</u>	Voix de la G.Anse 4VAF, Jeremie, HAITI		68	2125-2200*
<u>5,095</u>	R.Sutatenza, HJGC Bogotá, COLOMBIA	5,075	73	F1915-2300*V
<u>5,098</u>	Peking, CHINA		69	0630

REMARKS:

5,100

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>5,106V</u>	Ondas Azules HCOB5 Cuenca, EQUADOR	5,023V- 5 ,025V	62	2330-0030*(0350*)
<u>5,120V</u>	R. 21 de Diciembre Katavi, BOLIVIA		65	2245-0000*V (0100*)
<u>5,121V</u>	R. Centinela del Sur HCVC3, Loja, EQUADOR	5,005V-5,015V 5,024V-5,035V 5,053V-5,060V	70	2030-0200
<u>5,125</u>	R. Juan XXIII CP90 S. Inacio, BOLIVIA	4,951V-4,967V 4,971V-4,974V	73	2100-0100*
<u>5,125</u>	R. Quito HCQR1 Quito, EQUADOR	4,923V	63	0000
<u>5,126</u>	R. Clube Mexico CR6BV, Luso, ANGOLA	5,076 - 5,137 5,192	70	*0230-0300F
<u>5,137</u>	R. Clube Mexico CR6BV, Luso, ANGOLA	5,076 - 5,126 5,192	64	F1610-1800*
<u>5,140</u>	RDif. Tarqui HGGHI Quito, EQUADOR	4,972	63	2100+
<u>5,170</u>	Fukien, CHINA		68	
<u>5,180</u>	R. Atlantida OAX8F Iquitos, PERU	4,785 - 4,840 4,850-5,190/1	70	2030-2330
<u>5,190/1</u>	R. Atlantida OAX8F Iquitos, PERU	4,785 - 4,840 4,850 - 5,180	65	2200-0200*
<u>5,192</u>	R. Clube Mexico CR6BV, Luso, ANGOLA	5,076 - 5,126 5,137	69	0240

REMARKS:

5,200

FREQ.	STATION LOCATION	ALTERN. FREQ.	YEAR	SKED & BLT (BST)
<u>5,205</u>	Cable & Wireless Kingston, JAMAICA		60	*2355
5,240	Fukien, CHINA		68	
<u>5,251V</u>	Ondas Cañaris HCPS5, Azogues, EQUADOR		66	2100-0000*
5,255	Alma Ata, USSR	5,260	73	2130
5,260	Alma Ata	5,255	65	2330-0000
<u>5,268V</u>	R.Nacional ZPAL Asunción, PARAGUAY	4,615	72	2200+, 0040*
<u>5,290</u>	USSR, (?)		70	2200- <u>2330</u> -0100