

Klingenfuss

GUIDE TO UTILITY STATIONS

Eighth Edition



GUIDE TO UTILITY STATIONS

edition 8

including GUIDE TO RADIOTELETYPE STATIONS

edition 16

Cross reference:

- Latest monitoring results are published in the **SUPPLEMENT SERVICE** to this manual
- The decoding of meteorological bulletins like METAR, SHIP, SYNOP etc., the WMO GTS message format used by meteorological stations, as well as the NOTAM|SNOWTAM codes and the AFTN message format used by aeronautical fixed stations, are explained in our **AIR AND METEO CODE MANUAL**
- The FAX technique used by terrestrial stations and meteorological satellites is explained in our **GUIDE TO FACSIMILE STATIONS**
- This reference book includes many RTTY stations using Arabic, ATU-80 Arabic, Cyrillic and third-shift Cyrillic teleprinter alphabets, stations using F7B and VFT modulation, and stations using ARQ-E, ARQ-E3, ARQ-M, AUTOSPEC, FEC-A, SI-ARQ, SITOR and SWED-ARQ synchronous systems. Detailed information on these alphabets and techniques, amongst many others, is included in our **RADIOTELETYPE CODE MANUAL**
- Examples on various types of emissions are filed on the **MAGNETIC TAPE RECORDING OF MODULATION TYPES**
- Frequencies and call signs of utility stations formerly in use are listed in our **GUIDE TO FORMER UTILITY TRANSMISSIONS**

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Cover photograph: Kantor Stasiun Bumi Kecil (office of a small earth station) of PERUMTEL (Perusahaan Umum Telekomunikasi). This terminal is located near Kuala 03N35 98E20 on the main road (Jalan Raya) to Binjai in North Sumatra. The site has various microwave, shortwave and satellite antennas. Satellite telecommunication is ideal for a country such as Indonesia with a population of 185 million people spread over nearly 14000 islands reaching over more than 5000 km from Southeast Asia to Australia. Three PALAPA satellites are located in geostationary orbits high above Borneo: B1 on orbital position 108E00, B2 on 113E00 and B3 on 118E00. A typical uplink frequency is 6.065 GHz with a 36M0F8W emission, the corresponding downlink being on 4.140 GHz. This picture was taken during our 1989 monitoring mission in Indonesia and Singapore.

By courtesy of The Klingenfuss Archives

F.CMJP

1 General

Since the mid-seventies, there has been an extensive shift in the role of shortwave communication for several radio services. It now provides mainly circuits in cases where other means of communication are not available or not economically feasible, e.g. for diplomatic, military, aeronautical and maritime mobile circuits. Digital techniques are bringing about important changes in the exploitation of these circuits, increasing reliability and efficiency, and greatly reducing the need for skilled operators.

An advanced generation of general coverage receivers such as the ICOM R9000, JRC NRD525 etc. is now available. Combined with sophisticated facsimile and teleprinter decoders such as the INFO-TECH M7000, WAVECOM W4010 etc., quasi-professional monitoring of utility stations is now accessible to everyone.

This revolutionary development has been supported by our famous lists and manuals since 1971. Being ourselves the top address for the world's top radio monitors since then, the correspondence with our worldwide reading public ensures the manual in hand to continue to be the standard reference of both professional monitoring services and non-professional radio monitors. Its contents are built exclusively on continuous monitoring of the radio spectrum during 1989. The global coverage of our data bank is secured by regular overseas monitoring missions. After extremely successful operations in Madagascar and Reunion in 1985, in the Azores, Brunei, Malaysia and Sabah in 1986, in Guadeloupe, Martinique, Mauritius, Reunion, Rodrigues and Yemen Arab Republic in 1987, in Malaysia, Sarawak and Singapore in 1988, we now in 1989 spent more than three months at monitoring sites such as Bengkulu 03S24 102E16, Sumatra, Indonesia; Kismaayo 00S25 42E31, Somalia; and Portsmouth 15N34 61W27, Dominica. The results are included in this book, and similar activities from even more exotic sites are scheduled for 1990.

This book has been compiled with the help of a computer controlled data bank and word processor system with self-developed software interfaces - the only reasonable way to handle this amount of information. In addition, it guarantees the shortest time imaginable for the production of this reference book. Contrary to imitative publications, the time between filing the last entry into the data bank system and the mailing of the completed book takes only 10 (ten) days here.

Spurious signals have been proven to exist with at least three commercial receivers of full different circuitry.

In case of doubt, the spelling of place-names follows that used in the TIMES ATLAS OF THE WORLD (see the introduction to chapter 24), in the TIMES ATLAS OF THE OCEANS, and in the CENTRAL INTELLIGENCE AGENCY POLAR REGIONS ATLAS.

The mention of specific companies or products in articles or advertisements does not imply that they are endorsed or recommended by Klingenfuss Publications in preference to others of a similar nature which are not mentioned or advertised.

Although the more progressive national telecommunication authorities have now released the reception of meteorological etc. data for the purpose of technical investigation, readers are reminded that the divulgence of the contents of radio transmissions which are not intended for the general use of the public is a violation of international and most national telecommunication acts.

Sincerely,

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5820.0	FDY	FAF Orleans, F	CW
5822.0	FDI	FAF Aix, F	CW
5832.6	'RFQP'	FF Jibuti, DJI	ARQ-M2 200 Bd: A: 1737-0425 msg or encrypted tfc after "KKKK..." or "controle de voie" or svc msg to 'RFFA' (QPB) B: 1935-0251 msg or "controle de voie" or svc msg to 'RFFA' (QPA, QPB) 1700-0500 A nx 1700-0500 F nx 0028+0050 wx, 0944 ry SSB ARQ-E 96 Bd: 0920 msg to 'RFFA' (IXV) 1736-0617 ry or msgs (IGA) FAX \$ SSB scheduled CW SSB 1300+1400+1600+1700+2100 A nx CW CW CW 75 Bd: 1730+1905 ry, 2338 clg 'I11C', 2345 ry CW 24 h ry or wx FAX // 3690.0 kHz \$ (hx 2950.0 kHz) 1600 E nx CW CW 1710-1800 E nx CW CW CW 75 Bd: 0553-1712 ry or msgs or msgs (5fgs) 0350 ry scheduled; QSX 6259.0 kHz
5839.6	FTF 84B.H1	AFP Paris, F	
5841.0	FTF 84B.H3	AFP Paris, F	
5844.0	BLM 21	Chengdu Meteo, CHN	
5845.0	VNZ	RFDS Port Augusta, SA, AUS	
5847.5	'RFFG'	FF Strasbourg, F	
5848.0	TUH	ASECNA Abidjan, CTI	
5850.0	OXT	Copenhagen Meteo, DNK	
	VJB	RFDS Derby, WA, AUS	
5852.0	HLO	Mobile R, AL, USA	
5862.0	'P'	Beacon Kaliningrad, RU, URS	
5865.0	VJN	RFDS Cairns, QLD, AUS	
5867.0	YIL 68	INA Baghdad, IRQ	
5867.5	'U'	Beacon Murmansk, RU, URS	
5868.0	FDY	FAF Orleans, F	
5870.0	NAR	USN Key West, FL, USA	
5875.0	'RIFMCF'	IN Rome, I	
5881.0	RMP	SN Kaliningrad, RU, URS	
5887.5	IMB 2	Rome Meteo, I	
5890.0	RBV 78	Tashkent Met., UZ, URS	
5900.0	5AF	Tripoli Air, LBY	
5903.0	8OF 290	PAP Warsaw, POL	
5909.0	BMB	Taipei Meteo, TAI	
5916.5	'U'	Beacon Murmansk, RU, URS	
5917.0	OLC 4	CETKA Prague, TCH	
5917.5	AOK	USN Rota, E	
5920.0	'K'	Beacon Khabarovsk, SE, URS	
5922.0	'X'	Beacon Prague, TCH	
5923.0	8NN 299	MFA Warsaw, POL	
5932.0	'DJR'	Jibuti Air, DJI	
	OFA	Helsinki R, FIN	

5950.0 - 6200.0 BROADCASTING

6200.0 - 6525.0 MARITIME MOBILE < 500A 500B 520 520B 522 >

6200.0	ship stations, ch 601	SSB	QSX 6506.4 kHz
6203.1	ship stations, ch 602	SSB	QSX 6509.5 kHz
6204.0	Libreville Port R, GAB	SSB	
6206.2	ship stations, ch 603	SSB	QSX 6512.6 kHz
	OED		
	DDSG Vienna R, AUT		
6209.3	ship stations, ch 604	SSB	QSX 6515.7 kHz
6210.4	Port of Spain R, TRD	SSB	
6212.4	ship stations, ch 605	SSB	QSX 6518.8 kHz
	WOK		
	St. Louis R, MO, USA		
6215.0	supplementary worldwide calling/distress/safety f.		

6215.5		ship stations, ch 606 (worldwide calling frequency)	SSB	Q5X 6521.9 kHz	
6218.6	worldwide	coast and ship stations simplex frequency	SSB		
6221.6	worldwide	coast and ship stations simplex frequency	SSB		
6244.5	'U'	Beacon Murmansk, RU, URS	CW		
6251.0	'78 IJU'	SN Madrid, E	100 Bd	24 h clg '75 RQA'	
6256.5		ship stations, series 1	Q5X	6494.5 kHz	
6257.0		ship stations, series 2	Q5X	6495.0 kHz	
6257.5		ship stations, series 3	Q5X	6495.5 kHz	
6258.0		ship stations, series 4	Q5X	6496.0 kHz	
6258.5		ship stations, series 5	Q5X	6496.5 kHz	
6259.0		ship stations, series 6	Q5X	6497.0 kHz	
		ship stations	Q5X	5932.0 kHz (QFA)	
6259.5		ship stations, series 7	Q5X	6497.5 kHz	
6260.0		ship stations, series 8	Q5X	6498.0 kHz	
6260.5		ship stations, series 9	Q5X	6498.5 kHz	
6261.0		ship stations, series 10	Q5X	6499.0 kHz	
6261.5		ship stations, series 11	Q5X	6499.5 kHz	
6262.0		ship stations, series 12	Q5X	6500.0 kHz	
6262.5		ship stations, series 13	Q5X	6500.5 kHz	
6263.0		ship stations, series 14	Q5X	6501.0 kHz	
	'P'	Beacon Kaliningrad, RU, URS	CW		
6263.5		ship stations, series 15	Q5X	6501.5 kHz	
6264.0		ship stations, series 16	Q5X	6502.0 kHz	
6264.5		ship stations, series 17	Q5X	6502.5 kHz	
6265.0		ship stations, series 18	Q5X	6503.0 kHz	
6265.5		ship stations, series 19	Q5X	6503.5 kHz	
6266.0		ship stations, series 20	Q5X	6504.0 kHz	
6266.5		ship stations, series 21	Q5X	6504.5 kHz	
6267.0		ship stations, series 22	Q5X	6505.0 kHz	
6267.5		ship stations, series 23	Q5X	6505.5 kHz	
6268.0		ship stations, non-paired			
	worldwide	NBDPT distr. and safety f.			
		ship stations	Q5X	6402.0 kHz (GKS 3)	
6268.5		ship stations, non-paired			
6269.0		ship stations, non-paired			
6269.5		ship stations, non-paired			
		ship stations	Q5X	6460.0 kHz (SAB 33)	
6270.3		ship stations calling, ch 1	CW		
6270.9		ship stations calling, ch 2	CW		
6271.5		ship stations calling, ch 3	CW		
6272.1		ship stations calling, ch 4	CW		
6272.7		ship stations calling, ch 5	CW		
6273.3		ship stations calling, ch 6	CW		
6273.9		ship stations calling, ch 7	CW		
6274.5		ship stations calling, ch 8	CW		
6275.1		ship stations calling, ch 9	CW		
6275.7		ship stations calling, ch 10	CW		
6276.3		ship stations calling, ch 11	CW		
6276.9		ship stations calling, ch 12	CW		
6277.5		ship stations calling, ch 13	CW		
6278.1		ship stations calling, ch 14	CW		
6278.7		ship stations calling, ch 15	CW		
6279.3		ship stations calling, ch 16	CW		
6279.9		ship stations calling, ch 17	CW		
6280.5		ship stations calling, ch 18	CW		
6281.5	worldwide	ship stations DSC freq.			
6288.0	'71 HGE'	SN Las Palmas, CNR	75 Bd	0246 msg, 0252+0536+	
			1738 ry		
6290.0	UGH 2	Juzno R, FE, URS	CW		

FREQUENCY LIST 67

6310.5	ZAS	Sarande R, ALB	CW	
6312.0	worldwide	DSC distress and safety f.		
6314.0	worldwide	NBDPT MSI frequency		
6325.5	DZJ 7	Makati R, PHL	CW	
6326.5	DZJ	Bulacan R, PHL	CW	
	PKN	Balikpapan R, INS	CW	
	PKR	Semarang R, INS	CW	
	PKY 5	Merauke R, INS	CW	
	WNU	Slidell R, LA, USA	CW	
6327.5	CLY	Habana R, CUB	CW	
6328.0	DSB	Pusan F R, KOR	CW	
6328.3	OST 32	Oostende R, BEL	CW	
6329.0	'78 YLQ'	SN Tarifa, E	75 Bd: 0432+0720 ry, 1950 wx	
			CW	
6329.5	DZH 2	Manila R, PHL	CW	
6330.0	CFH	CF Halifax, NS, CAN	75 Bd: 1237+1844-0824 ry or wx	
			FAX // 122.5 kHz \$	
	EDF 2	Aranjuez R, E	CW	
	FJP 6	Noumea R, NCL	CW	
	YIR	Basrah Control R, IRQ	CW	
6331.0	CTH 47	PN Horta, AZR	CW	
6331.5	UMV	Murmansk R, RU, URS	1708+1910 R tts wtsca	
			CW	
6332.0	S9M	Sao Tome R, STP	CW	
6332.5	DVM 4	Manila R, PHL	CW	
	DVZ 9	Navotas R, PHL	CW	
	DXD 9	Davao R, PHL	CW	
6333.0	'78 IJU'	SN Madrid, E	100 Bd: 1730 wx	
6333.5	VII	Port Kennedy R, T. I., AUS	CW	
	VIM	Melbourne R, VIC, AUS	CW	
	VIR	Rockhampton R, QLD, AUS	CW	
	WCC	Chatham R, MA, USA	CW	
	XSZ	Dalian R, CHN	CW	
6334.5	UFM 3	Nevelsk R, FE, URS	CW	
6335.5	DZI	Bacoar R, PHL	CW	
	OA. 6	PELPER Iquitos R, PRU	CW	
	OCP 2	PELPER Saramuro R, PRU	CW	
	VFA	CCG Inuvik, NWT, CAN	CW	
	VFF	CCG Iqaluit, NWT, CAN	CW	
6336.0	LZW 3	Varna R, BUL	CW	
	SXH	GN Khania, GRC	CW	
	'P'	Beacon Kaliningrad, RU, URS	CW	
6336.5	ZRH 3	SAN Capetown, AFS	CW	
6337.0	CBV	DGTMM Valparaiso R, CHL	CW	
	CLA 5	Habana R, CUB	CW	
	EDG 2	Aranjuez R, E	CW	
	PK.	many R stations, INS	CW	
	UGK 2	Kaliningrad R, RU, URS	0720 R navigational warnings wtsca	
	UXN	Arkhangelsk R, RU, URS	0710 R ry wtsca	
	WCC	Chatham R, MA, USA	CW	
6337.9	GYA	RN London, G	75 Bd: 0030 ry	
6338.1	ZRQ 3	SAN Capetown, AFS	CW	
6338.5	DYM	Cebu R, PHL	CW	
	KLC	Galveston R, TX, USA	CW	
6339.0	DHJ 59	GN Wilhelmshaven, D	CW	
6339.8	ZLO 3	RNZN Waiouru, NZL	CW	
6340.0	XSD 4	Zhoushan R, CHN	CW	
6340.5	ETC	Assab R, ETH	CW	
	9VG 9	Singapore R, SNG	CW	
6341.5	DYE 9	Cebu R, PHL	CW	
	UDH	Riga R, LA, URS	1013+1953 R tts wtsca	
			CW	

Guide to Utility Stations – Eighth Edition December 1989
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- 17740 frequencies
- 3285 call signs
- FAX press and meteo schedules
- RTTY press and meteo schedules
- Abbreviations, codes, frequency allocations and radio regulations
- 5854 changes since the previous edition

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Radio Monitor
and Publisher
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