

UTILITY DXER'S HANDBOOK \$3.00

COMPILED AND EDITED BY:

Paul Moyo

Steven J Handler

UNITED STATES AIR FORCE
AIR FORCE COMMUNICATIONS SERVICE

SWLCARD



CABLE AND WIRELESS (WEST INDIES) LIMITED

DEUTSCHE BUNDESPOST
FUNKAMT HAMBURG

MINISTÈRE DES COMMUNICATIONS

WIRELESS INSTITUTE OF AUSTRALIA PROJECT AUSTRALIS
RADIO AMATEUR SATELLITE CORPORATION

AUSTRALIS - OSCAR 5

TRANSRADIO CHILENA S.A.

HEADQUARTERS
HAWAIIAN SEA FRONTIER



INTELICI

APOLLO
AS 303
HARVEST
FLIGHT



U.S. Navy
Recovery
Force



MOON
ORBITAL
FLIGHT

THE POST AND TELEGRAPH
COMMUNICATIONS CENTRE
GUFUNES

REYKJAVIK



ICELAND

REPUBLIQUE ARABE SYRIENNE
Etablissement
des Postes et des Télécommunications

Published By:

SPEEDX



C. A. N. TELEFONOS DE VENEZUELA
VENEZUELAN TELEPHONE COMPANY



1. View from the Hotel Borg
2. Lighthouse
3. Hotel Borg and the Lutheran Cathedral
4. Hotel Borg

THE POST AND TELEGRAPH
COMMUNICATIONS CENTRE
GUFUNES
REYKJAVIK ICELAND

This confirms your reception of Radio Station
Gufunes

on 12175 kHz at 1950 GMT
on the APRIL 30th 1971
Tx power 5 kw
Antenna Y

Mr. Steven Joel Handler
401 Dowe Avenue
Evenston, ILL. 60202
U.S.A.

Station Manager

C. A. N. TELEFONOS DE VENEZUELA
VENEZUELAN TELEPHONE COMPANY

Confirmando el reporte de nuestro Sistema Internacional de Radio
Confirming the report of our International Radio System

Recibido de JACK WHITE
Resident from 770 N.W. WALLULA AVE.
GRESHAM, OREGON
77020 U.S.A.

Fecha Date 3-8-'70
Hora Time (GMT) 0650

TRANSMITIENDO CON

Potencia de Power of 4 kw	Modo Mode SSB	Frecuencia Frequency (Mc) 11080	Antena Antenna 20M B10
---------------------------	---------------	---------------------------------	------------------------

Muchas gracias por su atención
Many thanks for your attention

73 es DX

POSTCARD

TOKYO VOLMET

Mr. Jack White

It is our pleasure to confirm your reception report of our station.
You were turned to TOKYO VOLMET station on 5574 kc/s. 0945/10 Dec. 1967
Date and Time to 0950

2900 kc/s. (3 kw) 5574 kc/s. (3 kw) 8905 kc/s. (1 kw)
Transmitting Station USUI (Chiba Prefecture) Broadcasting Station T.I.A. AVIATION WEATHER SERVICE
Director, S. I. Hoshimoto
T.I.A. AVIATION WEATHER SERVICE
JAPAN METEOROLOGICAL AGENCY
TOKYO INTERNATIONAL AIRPORT, JAPAN

Mr. Jack White
780 NW Wallula
Gresham, Oregon 97030
U.S.A.

Based on the Recommendation of ICAO, VOLMET RADIO TELEPHONY BROADCAST stations of San Francisco, Anchorage, Tokyo, Honolulu and Hongkong transmit in that order meteorological information simultaneously on the three different frequencies for the consumption of aircraft in flight. TOKYO BROADCAST contains reports of Tokyo, Misawa, Fukuoka, Osaka, Naha, and Chitose and a forecast for Tokyo and Nagoya.

Preface

Up until now, there has not been one single guide for Utility DXers. If one wished to DX Utility Stations, he would have to purchase many different books in order to have the necessary information he needed. This "Handbook" was compiled in order to serve as a guide for the Utility DXer. It is the most complete book of its kind. We hope that it will be able to open the door to those DXers who up until now did not DX Utility Stations due to a lack of information.

Credits

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We would also like to thank the following agencies for supplying us with much needed information: SPEE DX's Utility Chaser's Corner, NNRC's Utilities Section, United States Navy, United States Coast Guard, National Aeronautics and Space Administration, and the Republic Observatory in South Africa.

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To the best of our knowledge, all the information presented in this Handbook is correct and accurate.

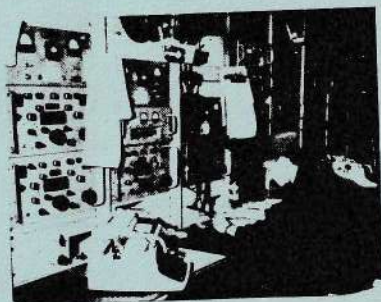
Editors - Steven Joel Handler
Paul Mayo

U.S. Coast Guard Radio Station NJN/NIK
 Argentia, Newfoundland. This station
 reports all weather conditions and ice
 in the Southern limits of the Grand
 Banks of Newfoundland.

(Official Coast Guard Photograph)



The Antenna complex of
 station NFX-South Pole
 rises well above the
 flat polar terrain.
 (Official Navy Photo)



U.S. Naval Communications Station NFX is
 located at the South Pole. It has a large
 communications facility which keeps it in
 contact with other Antarctic Stations.
 (Official Navy Photograph)

HOW TO USE THIS HANDBOOK

Several codes are used in this book to make it easier to tell at a glance the verification policy of a particular station. Below is a brief description of their meaning.

GROUP ONE - QSL POLICY

- A- Excellent Verifier
- I- Irregular Verifier
- N- Does Not Answer
- W- Sends Out Worthless Letter
 Quoting ITU Rules
- X- Insufficient Information About
 The Station

GROUP TWO - TYPE OF VERIFICATION

- VQSL - Verifies By Card
- VL - Verifies By Letter
- VQSL - Verifies By Card Or
 Letter
- VP - Requires A Prepared-Form-
 Card (PFC) Be Enclosed
 With Report

GROUP THREE - REPLYING TIME

- 1- Less Than One Month
- 2- One To Three Months
- 3- More Than Three Months

Sample Address

- 1) CANAL ZONE:
- 2) Radiobeacon Station FTD
- 3) Chief of Station
 France Field
 Cristobal, 4) (I-VP-2)
- 5) CW ID Mkr
- 6) VS- J.D. Smith
- 7) Freq: 326 kHz.

- 1) This indicates the name of the country
- 2) This indicates the name of the station
- 3) This indicates the station's address
- 4) This indicates the station's verification policy. In this case, Station FTD is an irregular verifier that requires that a prepared-form-card (PFC) be enclosed with your reception report. Replying time varies from one to three months. Note, all replying times are based on air mail postage both ways!
- 5) This indicates what type of CW marker or voice test tape a station broadcasts. Where two of them are listed, the more common is listed first.
- 6) This indicates the name and usually the title of the person who signed the verification. In the above case, the title was not indicated due to the fact that this information was not available.
- 7) This indicates the most active (not all) frequencies used by the station. Call signs, where available, are indicated after the frequency in parenthesis.

Any comments and all corrections should be sent to: Utility Handbook
 401 Dewey
 Evanston, ILL 60202

UTILITIES

by
PAUL MAYO

Utilities consist of all the non-broadcast stations in the radio spectrum. These consist of fixed stations, coastal stations, aeronautical stations, beacons, and VHF stations, such as police and fire stations. The latter two types will not be discussed here, since these stations are not covered in depth in this Handbook.

Fixed Fixed stations consist of commercial point-to-point (PTP) and military PTP stations. Nearly all of these stations transmit in the Single Sideband (SSB) mode. Therefore, your equipment must contain some sort of Beat Frequency Oscillator (BFO) for this mode of reception. What does a PTP station sound like? You will usually hear something like this: "This is a test transmission for circuit adjustments from a station of the (company name); This station is located near (city)." This is called a test tape, also called a voice mirror or marker, and is used for adjustments of the receiving station's equipment. After the adjustments are completed, the transmitting station will switch over to normal PTP telephone transmissions. Military stations operate in a similar manner. One can tell which branch of the military service a station belongs to by its call sign. For example, AAA-AEZ belongs to the US Army; APA-AKZ belongs to the Air Force; ALA-ALZ belongs to the Army; NAA-NZZ belongs to the Coast Guard or the Navy.

Coastal The prime purpose of Coastal stations is the exchange of traffic between the mainland and the ships of the world. Few stations in this service transmit on voice. Most of the traffic that is exchanged is in morse code (CW). The listener will usually hear what is called a marker (mkr). This is used to initially establish contact with a ship. The most common markers are the CQ tape (a series of CQs) and the simple "V" marker (a series of Vs). Most Coastal stations will verify, but it is advisable to include a prepared-form-card (PFC) to be filled out and signed by the station (example below). Also, with all utility stations, never report any details of the traffic you hear! This is strictly forbidden by ITU rules. The messages you hear are "SECRET".

Prepared Form Card

Pago Pago Aeradio	KDM 48	American Samoa
Mr Jack White: Confirming your reception		
DATE: 9 Feb 69 GMT: 0731 FREQ 5641.2 KC		
POWER: 3 KW ANTENNA: vertical		
DIRECTION: —		
 Signature		

Aeronautical

If you want to obtain QSLs, the Aeronauticals aren't for you; But for enjoyment, that's a different story. Most of these stations, excluding military, use regular AM, but an increasing number of Single Sideband stations have appeared. Most Aeronautical stations are for air-to-ground communications and obtaining a QSL can be quite a difficult task. A small number of Aeronautical stations called Aeradios will QSL. These stations broadcast weather reports to aircraft and their schedules can be found

elsewhere in this Handbook.

Some airlines give their company name and others use a pseudo-name as an identification. Some examples are: CLIPPER-Pan American, SPEED BIRD-BOAC, EMPRESS-Canadian Pacific, SHAMROCK-Irish International, and SPRINBOK-South African Airlines.

Where to Hunt?

Where do you find Utility stations? Below is a listing of the frequency allocations for the major Utility services. The best bet is to join one of the many fine clubs, such as SPEE DX, and read and report to their Utility columns.

1. FIXED Point-to-Point (mostly SSB & RTTY operations)

1605 - 2850*	6765 - 7000	11975 - 12330
3155 - 3400	7300 - 8195	13360 - 14000
3950 - 4063**	9040 - 9500	14350 - 15000
4438 - 4650	9775 - 10000	15450 - 16460
4750 - 5480	10110 - 11175	17360 - 17700
5730 - 5850	11400 - 11700	18030 - 21000

*1800-2000 allocated to Hams in Region II (N. America & Greenland)
**3950-4000 allocated to Hams in Region II

2. COASTAL Mostly ships and land based Coastal stations (SSB, AM, CW)

415 - 490	12330 - 13200
4063 - 4438	16460 - 17360
6200 - 6525	22000 - 22720
8195 - 8815	

3. AERONAUTICAL Airports, planes and beacons (AM, SSB, CW)

200 - 415*	5480 - 5730	13200 - 13360
2850 - 3155	6525 - 6765	15000 - 15100
3400 - 3500	8815 - 9040	17900 - 18030
3800 - 3950**	10000 - 10100	21850 - 22000
4650 - 4750	11175 - 11400	23200 - 23350

*200-285 for broadcast in Region I (Eur, Afr, USSR, Middle East)
**3800-3950 allocated to Hams in Region II

Abbreviation List

The following is a list of abbreviations used in this Handbook.

A (after frequency)	Approximate (ly)
AACR	All American Cables & Radio Inc.
ADM	Administration
AER	Aeradio
AFB	Air Force Base
AFCS	Air Force Communications Service
AM	Audio Modulation (voice)
AMH	Amharic
ARAB	Arabic
ATT	American Telephone & Telegraph Co.
BP	Boite Postale
BRN	British Royal Navy
CE	Chief Engineer
CLG	Calling
CO	Company
Condition B	No privacy device (scrambler) is in use: (clear speech pattern)

Corp	Corporation
CS	Coastal Station
CW	Continuous Wave (code)
C & W Ltd	Cable and Wireless Limited
ENG	English
FAA	Federal Aviation Administration
FCC	Federal Communications Commission
PCR	France Cables et Radio
FR	French
Freq	Frequency
FTS	French Telecommunications Service
ID	Identification
IFSS	In Flight Safety Station
IT	Italian
ITT	International Telephone & Telegraph Co.
ITU	International Telecommunications Union
JAP	Japanese
L (after frequency)	Listed
LSB	Lower Sideband
M (after frequency)	Measured
MKR	Marker
MM	Musical Melody Test Tape
NAS	Naval Air Station
NASCOM	National Aeronautics & Space Administration Communications Network
OIC	Officer-in-Charge
PFC	Prepared Form Card
PO	Post Office
PORT	Portuguese
PTA	Post & Telegraph Administration
PTP	Point-to-Point
PTT	Post, Telegraph & Telephone
PTTRA	Post, Telegraph, Telephone & Radio Administration
RCA	Radio Corporation of America
RCSSB	Reduced Carrier Single Sideband
RMC	Radioman-in-Charge
RT	Radiotelephone
RTTY	Radioteletype
SAC	Strategic Air Command
SP	Spanish
SSB	Single Sideband
STN	Station
Stn Mgr	Station Manager
TELECOM	Telecommunications
TFC	Traffic
TRT	Tropical Radio Telegraph Co.
TT	Test Tape
USA	United States Army
USAF	United States Air Force
USB	Upper Sideband
USCG	United States Coast Guard
USN	United States Navy
VM	Voice Mirror
VS	Verification Signer
W/L	Wireless Radio Station
WX BC	Weather Broadcast
X (after frequency)	Approximate (ly)

UTILITY STATION REPORTING

by
STEVEN HANDLER

One of the biggest problems with reporting to Utility stations is that often your reports are, at best, useless to the station. Most, if not all, of the Utility stations do not have full time people to answer your verification requests. For a station manager or chief engineer to take the time to answer your letter, it had better be a good report!

What makes a reception report good? The first and most important quality is knowing what and what not to report. Many times you will hear a message being repeated over and over; "This is a test transmission for circuit adjustment purposes from a station of the (company name); This station is located near (city)." The above is called a test transmission and is fair game for reporting. However, at no time should you ever report the reception of traffic! Traffic includes radiotelephone calls, phone conversations, and fixed stations communicating with other stations. The International Telecommunications Union (ITU) has set rules governing what may and may not be reported. Reporting traffic can cause much trouble. Most likely, you will receive a form letter from the station informing you of the ITU regulations and stating that they cannot verify your report. Some stations have gone so far as to stop verifying all reports because people have sent reports quoting traffic that they heard. Some examples are: PTT, Tel Aviv, Israel; C&W Limited, all stations; New Zealand Post Office; British Post Office, London; and many stations belonging to the US Air Force.

There are several things that you should include in your reception report. The most obvious are date and time in GMT, and the frequency of your reception of their station. If you do not know the exact frequency, approximate it and state this in your report. Also, you should include the transmission mode that was used (AM, SSB, or CW), the languages or language of the transmission, and if possible, the exact message that was repeated over and over (the test tape). You may also include a brief description of the reception conditions, along with data on your receiver and antenna. However, do not use SINPO or any other codes, since most stations do not know their meanings; State it in words. An important thing to remember is that they do not care how well you received them. Their primary concern is how well their receiver terminal heard them!

If you would like anything special mentioned in the verification, such as power, date, time, and exact frequency, be sure to mention it in your report. Most stations will normally just send a simple verification statement unless otherwise requested. There is something else that should be sent with all reports to Utility stations; that is return postage. Ideally, this should be in the form of mint (unused) stamps. They may sometimes cost you a little more than IRCs, but they yield a higher percentage of returns! In any case, include some form of return postage.

There are many other extras that can be included with your reception report. These range from WPE/WDX cards to souvenir mint stamps. The one main idea to remember in reporting to Utility stations is: they do not have to verify or even answer your reception reports; It is up to you to make them want to answer!

NOTE: Mint stamps are available from: DA Stamp Service, 83 Roder Parkway, Ontario, New York 14519.

IRCs are available at your local Post Office at 22¢ each. They pay return postage via surface mail.

U.S. MILITARY STATIONS

by
STEVEN HANDLER

The United States has four military services which may be found using shortwave frequencies, the Army, Navy, Air Force and Coast Guard. Each one has a different attitude toward DXers.

The Coast Guard is the best verifier. Most of their stations operate on the 2 MHz. band. The Coast Guard has three types of transmissions: Coast Guard to ships at sea, Coast Guard to other Coast Guard stations, and Weather/Notice to Mariner broadcasts. All three types of broadcasts are "fair game" for DXers. The key Coast Guard frequency is 2182 kHz. This is the international distress frequency. All Coast Guard stations monitor this frequency 24 hours a day. All SOS and Mayday calls are handled on 2182. If one listens long enough, he could hear dozens of different Coast Guard stations check in on this frequency and maybe if he's lucky, a Mayday. The Coast Guard to ship, Weather Broadcasts and Base to Base communications are usually handled on one of the following six frequencies: 2662, 2670, 2678, 2686, 2694 and 2702 kHz. These are the main Coast Guard frequencies. If you monitor these frequencies, you will hear the various stations. The Coast Guard will almost always verify a broadcast, provided you can show substantial proof of having heard them. However, not all Coast Guard stations have their own QSL cards so it's advisable to send along a prepared-form-card for them to use in the event they do not have their own. In my dealings with the Coast Guard, I have found them to be a 100% verifier. One reason they might verify much more than the rest of the services is that little, if any, strategic military communications are made over the Coast Guard radio circuits as compared with the Air Force, Army or Navy. Coast Guard stations are easy to identify. They usually sign-on and off with their geographical ID. For instance, Coast Guard Radio Station NMF in Boston IDs as Coast Guard Radio-Boston; Coast Guard Station NMR in San Juan IDs as Coast Guard Radio-San Juan, etc. Thus, it's quite easy to figure out who you are listening to. As far as I know, the Coast Guard does not run special test tapes; however, each station may every so often have a radio check where they test to see if they can be heard. Most Coast Guard stations run low power, 50-1000 watts; thus, hearing and QSLing a Coast Guard station 1000 miles from your receiver that is using only 50 watts makes quite a verification.

The Navy is also a good verifier. However, there are several Navy stations that do not verify. The Navy can be heard using two modes, CW and voice (AM & SSB). On voice, they run test tapes which play their ID over and over. For instance, This is November November November, US Naval Communications station, USA testing for transmitter identification and receiver alignment 1 2 3 4 5 6 7 8 9 0 9 8 7 6etc. On CW, they run a marker tape over and over which says something like this: VVV VVV VVV DE NNN NNN NNN QRU QRU QRU. The VVV is an easy way to spot a marker. The above message means, this is station NNN with no traffic. Most Navy stations do not have their own QSL card; However, they will answer verification requests, verifying either on Navy stationary or on dittoed QSL letters. Most Navy stations do not require a prepared-form-card, however on a few stations it is a good idea to enclose one.

The Army tends to be a mediocre verifier. Sometimes they will verify and sometimes not. It all depends on who opens the letter. Most Army stations require a PFC to verify. If you don't enclose a PFC, most likely you will receive a letter with only a brief verification statement and no other details. The Army uses mostly voice communications. They transmit test tapes over & over before their scheduled communications to keep their channel clear and prevent anyone else from using it. There transmissions are usually similar to this one: This is the US Army Radio Station Alfa Alfa Alfa voice testing for receiver adjustment and station identification. When writing to overseas Army stations, or any others in the military service, be sure your APO number is correct.

As of late, the Air Force has stopped verifying. Instead, they send out a "SWL CARD" which states that they can't confirm anything due to security regulations. Now, getting a QSL takes some doing.

In general, you will find that the majority of US Military stations will verify. However, the more "Secret" a transmission you hear, the less likely it is to be verified!

Phonetic Alphabet

A Alfa	G Gulf	N November	T Tango
B Bravo	H Hotel	O Oscar	U Uniform
C Charlie	I India	P Papa	V Victor
D Delta	J Juliet	Q Quebec	W Whiskey
E Echo	K Kilo	R Romeo	X X-Ray
F Foxtrot	L Lima	S Sierra	Y Yankee
	M Mike		Z Zulu

SAC Net Frequencies

For ground-to-air, air-to-ground communications.

Alfa Net:

Freq.	Freq. Designator
4725	Victor
6762	Quebec
9027	Romeo
11220	Bravo
13245	Sierra
15041	Mike
17975	Tango
20631	Whiskey
23337 (Standby)	Uniform

Bravo Net:

Freq.	Freq. Designator
7330	Yankee
8101	Alfa Papa One
11243	Alfa One
14744	Alfa Tango One
18594	Zulu One
20890	Delta One

The Strategic Air Command (SAC) at all times has several aircraft in the air, which can if necessary take over command of the nations defense system in the event something happens to the Command Headquarters on the ground. These planes have complete communications facilities aboard and can be heard checking in on the above nets. Their names are as follows: Looking Glass, Blue Eagle, Cover-All, and Night Watch. At all times, these planes are in the air awaiting orders to take charge of command.

All other SAC planes are referred to as Skyking or Skybird. This is used as not to give out the true identity of the aircraft. Most SAC and Navy ground stations identify my code words. Below is a brief list of the most common stations.

Atlantic Chief- NASCOM Norfolk, VA

Crown- White House Communications Station

Ivanhoe- US Naval Communications Station NAM, Norfolk, VA

Pacific Radio- NACOM Pearl Harbor, Hawaii

Puerto Rico Bold Leader- US Naval Communications Station NAU, San Juan

Raspberry Norfolk- US Naval Air Station, Norfolk, VA

Raspberry Rosey- Naval Communications Station NRR, Roosevelt Roads, Puerto Rico

Naval Net

For ground-to-air, air-to-ground communications

Freq.	Raspberry Net
6723	
15036	
16697	

FRENCH REPORT FORMS

by
CRAIG KOUKOL

De: 2001 Andromeda Street
Piedmont, AR 70010
Etats-Unis d'Amerique
17 Janvier 1984

A: France Cables et Radio

B.P. 1976

Djubi, Tzombelia

Cher Monsieur:

Aujourd'hui, il m'a plu beaucoup recevoir une de vos transmissions radioélectriques. Les details de ma réception que j'espère sont intéressant, sont ici-bas:

Date-

Heure- (GMT, heure locale)

Fréquence- (approximativement)

Mode- (CW, SSB....etc.)

La texte de votre transmission, qui était en _____ par un homme/
une femme, était:

Qualité de Réception:

Force du Signal- (excellente, bonne, légère, mauvaise)

Interférence- (nul, très peu, modérée, mauvaise)

Bruit- (nul, très peu, modère, mauvais)

Propagation- (excellente, bonne, légère, mauvaise)

Evaluation Generale- (excellente, bonne, légère, mauvaise)

Mon récepteur est un _____, et l'antenne est une _____.

Je serais très content si vous m'enverriez une carte ou lettre de verification, pour confirmer ma réception. Indiquez s'il vous plaît la date, l'heure, et la fréquence de mon rapport. (J'inclus une carte préparée pour votre convenance)

Merci pour votre attention aimable

Sincèrement votre,

Hortense X. Knievel

Months: Janvier, Février, Mars,
Avril, Mai, Juin, Juillet
Août, Septembre, Octobre,
Novembre, Décembre

From: 2001 Andromeda Street
Piedmont, AR 70010
United States of America
January 17, 1984.

To: France Cables and Radio

P.O. Box 1976

Djubi, Tzombelia

Dear Sir:

Today I had the great pleasure of receiving one of your radio transmissions. The details of my reception, which I hope are interesting, are below:

Date-

Time- (GMT, your local time)

Frequency- (approximately)

Mode- (CW, SSB....etc.)

The text of your transmission, which was in (language) by a man/
a woman, was:

Reception Quality:

Signal Strength- (excellent, good, fair, poor)

Interference- (none, little, moderate, severe)

Noise- (none, little, moderate, severe)

Propagation- (excellent, good, fair, poor)

Overall Merit- (excellent, good, fair, poor)

My receiver is a _____, and the antenna is a _____.

I would be very happy if you would send me a card or letter of verification to confirm my reception. Please indicate the date, time, and frequency of my report. (I enclose a prepared card for your convenience)

Thanks for your kind attention.

Sincerely yours,

Hortense X. Knievel

Follow Ups

In case it is necessary, the statement below may be "tacked-on" to the French Report Form.

Cher Monsieur:

Il y a longtemps que je vous ai envoyé un rapport de réception concernant une de vos émissions de radio que j'ai eue le grand plaisir d'entendre le _____. Je vous avais demandé aussi de confirmer l'exactitude de mon rapport avec votre carte de vérification, et ci-inclus vous avez trouvé des coupon-réponse internationaux pour payer l'affranchissement.

Mais, je n'ai pas encore reçu de réponse de votre station. Il se peut que ma lettre se perde ou qu'elle soit égarée chez vous. Donc, je vous envoie dans cette lettre une autre copie de mon premier rapport.

Dear Sir:

A long while ago I sent you a reception report on one of your transmissions I had the great pleasure of hearing on (date). I had also asked you to confirm the correctness of my report with your verification card, and I enclosed some IRC's to pay the postage.

However, I have still received no reply from your station. I think that perhaps my letter was lost in the mails or perhaps was misplaced by you. Therefore, I am sending you in this letter another copy of my first report.

French PFC

Hortense X Knivel
2001 Andromeda St.
Piedmont, AR 70010 (Etats-Unis)

Nous confirmons votre réception d'une de nos transmissions radioélectriques sur _____ kHz., le ____ de _____, 19__ à _____ GMT. La station que vous avez capté était _____ (l'indicatif d'appel) avec _____ KW, dirigée à _____.

(signez et imprimez s.v.p.)

Hortense X. Knivel
2001 Andromeda St.
Piedmont, AR 70010 (United States)

We confirm your reception of our radio transmissions on (frequency), the (date) of (month) 19__, at (time) GMT. The station that you heard was _____ (indicate call) with (power) KW, Directed to (location).

(Please sign and stamp)

INTERPOL

Pass the Cloak and Dagger

by
STEVEN HANDLER

Have you ever heard the Man From Uncle talking on his two-way communicator? Have you heard Batman using the Batphone? Maybe you have heard Maxwell Smart of CONTROL talking on his shoe phone? Well then, how about Dick Tracy chatting on his two way wrist radio? Don't feel too bad if you haven't heard any of the above, most of us haven't. However, if you would like to try tune in the cloak and dagger set, then why not have a go at INTERPOL?

Yes, INTERPOL the International Criminal Police Organization. INTERPOL has never made a "pinch". Its so called hush hush agents are only a myth. INTERPOL's sole purpose is to serve as an information broker for the world's police. In short, INTERPOL helps the world's police help one another.

INTERPOL was started in 1923 when the European police opened an information swapping center in Vienna. In 1938, Austria was captured by the German Army and INTERPOL's records went on to Berlin. During the heavy bombings of World War II, the INTERPOL records were destroyed. In 1946, INTERPOL was reestablished in Paris, with a membership of only 19 countries. Since then, the membership has risen to over 100 countries. In 1967, INTERPOL's headquarters were moved to a new building in Saint-Cloud, a suburb of Paris. On the roof of this new building is a 50 foot vertical antenna. Inside the building is the communications center which links the world's police departments. Via the INTERPOL network, about 120,000 messages are handled a year, by radio (CW), Telex, and Teletype.

INTERPOL's staff is quite small. They have about 90 full-time employees of which one third are on loan from the French Surete National. For a law enforcement agency their budget is quite small, about 500,000 dollars a year. They are funded by the member countries. Each one pays a share of the cost, in exchange for the use of the facilities. INTERPOL branch offices in other countries are called National Center Bureaus, and are manned by the local police. The center's sole purpose is to trade information with other National Bureaus and with Saint-Cloud. The object of this trading is to apprehend criminals which have crossed international borders. INTERPOL does not aid police departments when the case involves spying, political crimes, religious disputes, or race problems.

Most police departments operate their radio transmitters on VHF or UHF, not so with INTERPOL. INTERPOL has a net where National Bureaus can communicate. Most transmissions are made in CW or RTTY. The major net frequencies are as follows: 2593, 2840, 3593, 4632.5, 5104, 5305.5, 6792, 6792.5, 7532, 9200, 10390, 14817.5, 19130, 19360, 21807.5, and 24110. (all frequencies are in kilohertz)

If you feel like DXing the cloak and dagger set then, just tune in the above frequencies. INTERPOL communicates 24 hours a day, 365 days a year. All that is required is patience and a knowledge of CW. To help you out, I have included a list of most of the INTERPOL stations and their call signs. Good luck and good hunting!!

Verification Addresses:

INTERPOL Headquarters:
International Criminal Police Organization
Chief Communications Officer
Communications (Wireless) Center
Saint-Cloud, France

Field offices (National Bureaus) may be reached by writing to the: INTERPOL National Central Bureau in care of local police or via France.

-----INTERPOL FREQUENCIES-----

Alger, Algeria
call sign-7RA20
2840, 3593
4632.5, 6792
9200, 10390
14817.5

Buenos Aires, Argentina
10390-AYA47
14817.5-AYA48
19130-AYA49
19360-AYA27
24110-AYA29

Wien, Austria
2593-OEQ20
2840-OEQ21
3593-OEQ22
4632.5-OEQ23
6792-OEQ24
7532-OEQ25
9200-
10390-OEQ26
14817.5-OEQ27
19130-OEQ28

Brussels, Belgium
call sign ONA20
2840 3593
4632.5 6792
7532 9200
10390 14817.5

Sofia, Bulgaria
3593-LZH7

Ottawa, Canada
call XJD48
9200
14817.5
21807.5
24110

Kinshasa, Congo
6792-9KT20
10390-9KT21
14817.5-9KT22
19360-9KT23
21807.5-9KT24
24110-9KT25

Copenhagen, Denmark
2840-OWS
3593-OWS
4632.5-OWS
6792-OWS3
7532-OWS
9200-OWS
10390-OWS4
14817.5-OWS

19360-OWS

Cairo, Egypt
3593-SUA81

Helsinki, Finland
call OGX
2850 3593
4623.5 6792
10390 14817.5

St. Cloud, France

2840-FSB51
3593-FSB52
4632.5-FSB53
5104-FSB
5305.5-FSB
6905-FSB
6792-FSB54
6792.5-FSB
7401-FSB
7532-FSB55
8045-FSB
10390-FSB57
14817.5-FSB58
18190-FSB59
18380-FSB60
19130-FSB61
19360-FSB62
21785-FSB66
24070-FSB24
24110-FSB65
27485-FSB66

Wiesbaden, Germany
call sign DHA33
2840 3593
4632.5 6792
7532 9200
10390 14817.5

Athens, Greece
3593-SXP

Tel Aviv, Israel
3593-4XP63
6792-4XP40
7532-4XP66
10390-4XP41

Rome, Italy
call IUW81
2840 3593
4632.5 6792
7532 9200
10390 14817.5
19130

Beyrouth, Lebanon
6792-ODW21
10390-ODW22
14817.5-ODW23

Luxembourg
call LXF50
2840 3593
4632.5 6792
7532 10390
14817.5

Rabat, Morocco
call sign CNT
3593 4632.5
6792 7532
9200 10390
14817.5

Oslo, Norway
2840-LJP22
3593-LJP23
4632.5-LJP24
6792-LJP26
7532-LJP27
10390-LJP20
14817.5-LJP34

Madrid, Spain
call EEQ
3593 4632.5
6792 7532
9200 14817.5
10390

Lisbon, Portugal
2840-CSI63
3593-CSI60
4632.5-CSI61
6792-CSI62
7532-CSI65
9200-CSI66
10390-CSI63

Stockholm, Sweden
call sign SHX
2840 3593
6792 4632.5
7532 9200
10390 14817.5

Walikon, Switzerland
2840-HEP28
3593-HEP35
4632.5-HEP46
6792-HEP67
7532-HEP75
9200-HEP92
10390-HEP39
14817.5-HEP87
19130-HEP81
19360-HEP93
Ankara, Turkey
call sign TCC2
3593 10390
14817.5 19130

ALASKA & HAWAII The Forgotten States?

by
STEVEN HANDLER

Alaska, our northern most state, has become a hard place for most DXers to hear and verify. Since there are no shortwave stations, the DXer must chose between ECB and Utility stations. Below are a few notes on the more interesting Utility stations available to the DXer.

One of, if not, the easiest station to hear in Alaska is the FAA station at Anchorage. This station broadcasts aviation weather at 25 & 55 minutes after the hour on 2980, 5519, 8905, and 13344 kHz. The station signs on with one of two IDs- "This is Anchorage Radio or "This is Anchorage VOLMET." The weather broadcasts are for use by aircraft on the North Pacific and Polar routes. The actual station location is 10 miles north of Anchorage at Eklutna and the transmitter has the power of three kilowatts. Despite this low power, Anchorage Radio can be heard throughout most of North America in the early morning or late evening hours. Beside being easy to hear, Anchorage Radio is also an excellent verifier. They will usually QSL your reports with a polite letter giving full details and some information on their station.

Another station you may try to hear is the US Navy Station NHB on Kodiak Island. NHB will verify, however it's advisable to send a prepared-form-card. The best time to hear them is in the evening on 12817.5 kHz, where they run a CW test tape.

About the only other chance of hearing Alaska is the Coast Guard's Loran stations. These stations will verify, if you send along a prepared-form-card. They ID with their geographic location, so it's pretty easy to figure out which one your listening to.

Hawaii, our 50th state, is separated from the rest of the United States by several thousand miles of the Pacific Ocean. However, it can be heard by the average DXer without too much difficulty. Hawaii's only shortwave station (VOA-Honolulu) has been closed down, thus ECB and Utilities are the only outlets left. Below is a look at some of the Utility stations.

The easiest to hear is the National Bureau of Standard's station WWVH at Kekaha. They transmit on 2500, 5000, 10000, 15000, and 20000 kHz. Most of the day, it can be heard under the WWV broadcasts. You can spot WWVH because they use a female announcer, where WWV uses a male announcer. Time announcements are given 12 seconds before each minute, with station identification being given on the hour and half-hour. WWVH sends out a QSL, however it is not a full data card.

Another good station to try for is Honolulu Radio (VOLMET). Like its counterpart in Anchorage, Honolulu Radio transmits aviation weather covering the weather for the Pacific Ocean. The weather broadcasts are at 20 & 50 minutes after the hour on 2980, 5519, and 8905 kHz. Honolulu signs on with "This is Honolulu Radio." Honolulu Radio is also an excellent verifier. They have their own QSL but again like WWVH it's not a full data card. Their transmitter's power is three kilowatts but, they still can be heard with a good signal about 1200 GMT on their 8905 kHz. frequency.

The last major Utility station on Hawaii is the US Naval Communications station at Lualualei. This station, NPM, is the largest communications station the Navy has. They can be heard transmitting on CW 24 hours a day. Probably the easiest of their transmissions to hear is their relay of the Naval Observatory in Washington, DC. These broadcasts are five minutes in length and take place four times a day at 2355, 0555, 1155, and 1755 GMT on the frequencies of 4525, 9050, 13065, 16457.5 and 20575 kHz. They consist of five minutes of time pulses followed by NPM's ID on the hour. NPM has their own verification card; However if you would like full data on the card (date, time & frequency), it's advisable to ask them to include this.

Both Hawaii and Alaska hold a uniqueness that no other state has. They are both separated from the continental United States by some barrier, and neither have any shortwave outlets. DXing these American states is a challenge and an adventure unlike any other US DXing you will encounter.

(addresses for all of the above stations are in the Address Section)

HISTORY OF THE U.S. COAST GUARD

Incident to the anti-smuggling operations in 1924, the Coast Guard underwent its major expansion. Prior to this time its vessels were equipped with Navy type radio apparatus and used Navy frequencies for handling ship-shore traffic. There was no need for Coast Guard shore radio stations. The great 1924 expansion in coping with law enforcement duties resulting from the suppression of smuggling developed the need for vaster and more far-reaching radio communication service than the Navy or commercial facilities could furnish the Coast Guard. Not the least of such service was the great amount of traffic to and from the large number of small craft, particularly the 75 footers, over 300 of which were pressed into operation. To take care of this traffic a shore radio station was established at the Rockaway Point Coast Guard Station at Fort Tilden, New York. This station proved to be so highly successful that additional units were shortly thereafter established at Nahant, Mass., New London, Conn., Cape May, New Jersey, Cape Henry, Va., Fernandina, Fla., San Pedro, Calif., Port Angeles, Washington, and Anacortes, Wash.

The ultimate goal of the Coast Guard prior to World War II was 16 modern stations, 9 secondary and 9 air radio stations. The pre-war program of the Coast Guard covered an objective of general modernization, rebuilding, and construction of new facilities. The original stations being used were to a considerable extent holdovers from the anti-smuggling era. Only 9 of these stations were ever actually completed. The outbreak of World War II found us with an unfinished program and faced with the diversion of critical material and equipment, our program could not be completed.

This original program, however, had it been completed, would not have come up to the actual requirements as they developed during World War II and as they continued thereafter. The original set-up, was based on the typical district organization which meant one standard primary station augmented by one or more secondary stations. Following World War II, our scope of operation was no longer intra-district. During the war it had become definitely interdistrict. Our frontiers of communication had been greatly broadened and extended. Such activities as search and rescue and long range communications required by high frequency direction finding involved regional communications far and beyond the geographical limits of the districts. While equipment capable of giving the necessary geographical coverage is undergoing manufacture, its installation is dependent upon the availability of funds for construction of the necessary buildings to accommodate such installations.

The first district primary station, or main radio traffic station as this class of station was at first known, to be established in the First Coast Guard District (at this time the Eastern Division) was placed in commission at the Nahant Coast Guard Station, Nahant, Mass. at 8:pm on the 6th of October 1926, replacing the Base Five station at South Boston which had previously carried on a noble attempt to handle the District Commander's traffic under particularly adverse conditions resulting from strong local interference from industrial electrical machinery which was operated extensively and in close proximity to the radio station, the chief source of interference coming from the machine shop next door. Nahant

was assigned the call letters NCP and was equipped with the usual standard T-1A transmitter and CGR-1A receiver. It was manned by four radiomen with a chief in charge and maintained 24 hour service. Following negotiations with the War Department during 1930, the Coast Guard was granted permission to erect on the Fort Heath, Winthrop, Mass., Army Reservation, a building to be used as a radio station. This station was completed and at 1000, 12 November 1931 it was placed in commission, replacing Nahant. The call letters NMF were assigned. The location proved remarkably good for transmission and reception. On the initial test, stations all along the coast were worked with ease and Point Bonita, Cal. was cleared of his traffic for Washington. Late in 1939, the Army took over the building and the Coast Guard was forced to remove its equipment and the station was moved temporarily to the site of the old intelligence monitor station at North Truro on Cape Cod, pending establishment of the permanent station at Marshfield, Mass. which was commissioned in April, 1943. Winthrop Radio Station ceased to operate from 1 September 1934 until 17 September 1936 during which time Navy Radio Boston handled Coast Guard traffic for the Boston area as part of an experiment involving also the New London and Rockaway stations. The result of this experiment definitely indicated the necessity for the Coast Guard to maintain shore radio stations of its own which it continued to do thereafter. The successive Commanding Officers of the station during World War II were Radio Electrician U.N. Alto and CRE K.P. Wood. This station did an exceptionally fine piece of work in locating the transmitting distress frequency of the British SS EMPIRE KNIGHT on 11 February 1944, when this vessel struck Boone Island, Maine. in a heavy storm. The ship, supposedly transmitting on 500 kHz., was picked up by NMF on 2072 kHz.

We thank United Coast Guard Station NMF for this article!



DEPARTMENT OF TRANSPORTATION UNITED STATES COAST GUARD

Address reply to:
COMMANDER (O)
Seventeenth Coast Guard District
P.O. Box 3-5000
Juneau, Alaska 99801

2400
16 January 1970
Serial 5016

Mr. Jack White
WPE7CTV
780 N.W. Wallula Ave.
Gresham, Oregon 97030

Dear Mr. White:

Your report of reception of Coast Guard Light Station, Five Finger's voice radio transmissions on 1 January 1970 is appreciated. We are passing the reception information on to Five Finger Light along with a copy of this letter.

For your information Five Finger Light Station transmits with an AN/URC-34 TRANSCEIVER running 150 watts input to the final. The transmitting antenna is a 35 foot whip.

Sincerely yours,

James G. Williams

JAMES G. WILLIAMS
Lieutenant Commander
U.S. Coast Guard

Chief, Communications Branch
By direction of the District Commander

DX CLUBS

by
PAUL MAYO

One of the most helpful aids to the DXer is belonging to a good DX club, one which is packed full with up-to-the-minute tips. This is especially important for the Utility listener, since ninety-nine percent of DXing Utilities is knowing when and where to listen. One must also know what stations are active and which stations are verifying reports, since these change frequently. Below is a list of DX clubs that contain a Utility section that I can recommend. Missing from this list are such great clubs as the North American Shortwave Association and the National Radio Club. The reason is that these clubs do not contain a Utility column, but I highly recommend them if you are interested in their respective fields.

SPEE DX

This is the club that's bringing you this Handbook. Started in July 1971, its membership is now well over 150! SPEE DX publishes a very well done monthly offset printed bulletin which contains two Utility columns: One contains loggings and the other contains a special monthly feature. Other columns in SPEE DX are: Shortwave broadcast, QSL tips, and a monthly propagation report. A sample bulletin is \$1.00, while membership is \$10.00 per year via first class mail (P.O. Box 321, Santa Ana, CA 92702)

AMERICAN SHORTWAVE LISTENERS CLUB

This club is twelve years old and publishes "SWL" monthly. The ASWLC has a good column written by John Kolb. Other columns are Shortwave broadcast, and QSL tips. A sample copy of the "SWL" is 75¢. Membership is \$8.50 per year via first class mail. (16182 Ballard Lane, Huntington Beach, CA 92649)

AUSTRALIAN RADIO DX CLUB

The ARDXC publishes the "Australian DX News" monthly. A good Utility column called the "Utility Trail" is written by Steve Thurlow. Other columns are Shortwave broadcast and QSL tips. No information on dues is on hand, but four IRCs should cover the cost of a sample bulletin. (Ray Roche, Box 63, Kew, Victoria 3101, Australia)

NEWARK NEWS RADIO CLUB

The NNRC is the oldest DX club in North America. It has an excellent Utility section written by ace-dxer Robert French. Other columns are Shortwave broadcast, Amateur Radio, Broadcast band and others. A sample copy of their bulletin is 50¢, while membership is \$8.50 per year. (215 Market Street, Newark, NJ 07101)

NEW ZEALAND RADIO DX LEAGUE

The NZRDXL publishes a monthly bulletin called the "New Zealand DX Times." It has a small Utility column (1-2pp.) that usually contains some good tips from the other corner of the world. Another good column is written by noted DXer Arthur Cushen called "Shortwave Review." Membership is \$5.00 per year via airmail. (P.O. Box 5165, Dunedin, New Zealand)

RADIO COMMUNICATION DX CLUB

The RCDXC is the only strictly PTP DX club in the world. It publishes an English language bulletin called "From Point-to-Point", which is loaded with all kinds of information useful to the Utility DXer, bimonthly. The RCDXC is interested in active experienced DXers only!! You must have at least 25 PTP stations verified. You must display "the right PTP spirit" and not "publish PTP addresses or lists of PTP frequencies in any other club magazine." A rather snobbish bunch! Membership is \$2.75 per year via airmail. (RCDXC, Piet Heinstraat 22, Haaksbergen 7840, Holland)

BOOKS FOR THE UTILITY DXer

When a "novice" first gets started in DXing Utilities, he has an extremely limited supply of information at his hand. This article's purpose is to help relieve this initial frustration. Below is a list of books, in the order I think one should buy, for the Utility DXer.

CONFIDENTIAL FREQUENCY LIST by Tom Kneitel (available in Dec. 71 from: Gilfer Assoc., Box 239, Park Ridge, NJ 07656) This book lists coastal stations, commercial and military PTP, major ships, beacons, spy networks, marine operators, standard time and frequency, US Coast Guard, Weather bureau and many other stations. A must!!

U.S. NAVY AND COAST GUARD SCHEDULE free from: U.S. Oceanographic Office, Washington, DC 20390. Contains lists of Navy and Coast Guard stations with calls, frequencies, and times in the Pacific and Atlantic regions.

FIXED STATIONS OF THE WORLD \$11.96 by the ITU. Lists fixed (PTP) commercial and military stations; with calls, frequencies, and cities that transmissions are beamed to.

COASTAL STATIONS OF THE WORLD \$4.37 by the ITU. Lists all coastal stations of the world by country. Details included are: frequencies, times, power and addresses.

ALPHABETICAL LIST OF CALL SIGNS VIIA \$2.07 by the ITU. Lists call signs and location of coastal stations. Lists call signs and the name of ships.

ALPHABETICAL LIST OF CALL SIGNS VIIB \$5.06 by the ITU. Lists call signs and location of all stations except amateur, experimental, and ships.

LIST OF SHIP STATIONS \$3.50 by the ITU. Lists all ships giving call signs, owners and some addresses.

LIST OF RADIODETERMINATION AND SPECIAL SERVICE STATIONS \$5.50 by the ITU. Lists beacons, time signal and standard frequency, weather and many other navigational stations.

LIST OF SPACE AND RADIO ASTRONOMY STATIONS \$7.13 by the ITU. Lists satellites and other stations. Details included are: power and the stations frequencies and times. This book is a must if you like to DX outer space.

WORLD RADIO-TV HANDBOOK \$6.95 from Gilfer Assoc. Contains list of time and frequency standard stations with frequencies, times and addresses. The WRTVH is mostly known for its Shortwave Broadcast schedules, but it should not be overlooked by the Utility DXer.

VHF LISTS various lists of police, fire and other VHF stations which are quite good. From: Communications Research Bureau, P.O. Box 56, Commack, NY 11725.

MERCHANT VESSELS OF THE UNITED STATES \$12.50 from the Government Printing Office, Washington, DC 20402. Lists US ships by name, owner, and call sign.

AIRMAN'S INFORMATION MANUAL, PART III available from the Government Printing Office, Washington, DC 20402. Lists US Aerobeacons by state and frequencies.

VARIOUS LISTS OF STATIONS various lists of interest to Utility DXers prepared by the SPEE DX Utility Department. For more information write to: Steve Handler, 401 Dewey, Evanston, Ill 60202. Please include a SASE.

RADIO AIDS TO AIR NAVIGATION \$1.50 per year from: Receiver General of Canada, Publishing Division, Information Canada, Ottawa, Canada. Lists all Canadian aerobeacons.

RADIO AIDS TO MARINE NAVIGATION Two volumes covering east and west Canada, lists all marine beacons. The price is \$2.00 per year for each publication and it may be ordered at the address above.

PLANNING INTERNATIONAL RULES AND PROCEDURES Published under the authority of the Secretary of Defense and available from: The Aeronautical Chart and Information Center United States Air Force, St. Louis, MO 63118. This publication is a wealth of information. It contains schedules of most time and frequency stations, US Coast Guard Loran coverage maps and a complete schedule of all VOLMET stations. This booklet is published in January and July.

ALASKA AIRMAN'S GUIDE AND CHART SUPPLEMENT Contains a wealth of information on the state of Alaska. Lists include Flight Safety Stations, and US Coast Guard beacons. Subscriptions are \$10 per year; Single copy prices are 50¢ and are available from: Director, Coast and Geodetic Survey, Washington Science Center, Rockville, MD 20852.

WEATHER SERVICE FOR MERCHANT SHIPPING \$1.25 from Government Printing Office, Washington, DC 20402. Lists various weather broadcasts.

FCC REGULATIONS VOL 4 from: Government Printing Office, Washington, DC 20402. Lists maritime frequencies.

LOCATION IDENTIFIERS \$6.00 per year from: Government Printing Office, Washington, DC 20402. List aerobeacons of the world.

LIGHT LIST from: Government Printing Office, Washington, DC 20402. Lists US Coast Guard beacons.

ADMIRALTY LIST OF RADIO SIGNALS five volumes, volumes contain:

- 1) Coast Radio Stations
- 2) Radio Direction Finding Stations, Radiobeacons, Coast Radar, and Radarbeacons
- 3) Meteorological codes, Weather messages, and Facsimile transmissions
- 4) Meteorological Observation Stations (not much use to the DXer)
- 5) Time signals, Frequency Standards, Navigational warnings and ice reports and Position fixing systems.

Admiralty Publications are available from:
Maryland Nautical Sales, 406 Water St., Baltimore, MD 21202
Navigator Equipment Co., 228 W. Chicago Ave., Chicago, ILL 60610
Baker Lyman & Co., Cotton Exchange Bldg., Houston, TX
M. Low Inc., 110 Hudson St., New York, NY 10004
G.E. Butler Co., 356 California St., San Francisco, CA
Captains, 1324 Second Ave., Seattle, WA 98101

INTERNATIONAL FREQUENCY LIST Vol 1-4d cost \$178.71. Lists all stations known to ITU except ships, amateur and experimental. These lists are extremely overpriced!! The 50 page preface, which is just a small pamphlet costs \$8.51. Sure wish I had the money for it anyway!

Note: ITU publications are available from: The International Telecommunications Union (ITU), Place des Nations, Geneva, Switzerland. For New York area residents, ITU publications can be bought at the United Nations Bookshop at ITU prices. Most ITU publications can be purchased from Gilfer Associates, PO Box 239, Park Ridge, NJ 07656. Prices are slightly higher to cover postage and handling. Delivery from Gilfer is about three weeks faster than ordering directly from the ITU.

This list was compiled by Paul Mayo. I wish to thank the various publishers who furnished the information for this list.

ADDRESSES & STATION DATA

AFARS & ISSAS:

Office of Posts & Telecomm
Djibouti, (I-VP-2)

Fr/tt
Freq: 19545(FZJ95)

AFGHANISTAN:

PTT Station
Ministry of Communications
Kabul, (X)

ALASKA:

Kodiak Airways Comm Stn
Kodiak Airways Inc.
Kodiak, (X)

Freq: 3411

USCG Radio Station NMJ
Chief Radio Officer
Ketchikan, (I-VL-1)

Freq: (CW) 8728, (AM) 2670

Kodiak Radio-NHB
US Naval Air Station
Commanding Officer
Kodiak, 99615 (A-VP-2)

Freq: 3323,4005,4615,5080,5335,
7305,7645,7965,8010,8190,
9440,9960,10255,11430,
12015,16020

US Coast Guard Loran Station
Commanding Officer
Port Clarence Loran
Port Clarence, (I-VP-2)

Freq: 2749.5,2810.5,5318.5,5423.5
5697.5,7442.5,7472.5,10370.5
12148.5,12151.5

US Coast Guard Loran Station
Commanding Officer
Attu Loran
Attu Island, (I-VP-2)

Freq: (Same as Port Clarence)

US Coast Guard Loran Station
Commanding Officer
Sitkinak Loran
Sitkinak Is., 99697 (I-VP-2)

Freq: (same as Port Clarence)

US Coast Guard Loran Station
Commanding Officer
Adak Loran
Adak Is., (I-VP-2)

Freq: (same as Port Clarence)

US Coast Guard Loran Station
Commanding Officer
Cape Sarichef Loran
Cape Sarichef, 99695 (I-VP-2)

Freq: (same as Port Clarence)

USAF Communications Station AKA
Chief Radio Officer
Elmendorf Air Force Base
Anchorage, 99506 (X)

Anchorage VOLMET
Facility Chief
Federal Aviation Adm.
2016 East 5th Ave.
Anchorage, 99501 (A-VL-1)

VS- Thomas C. Cianfrani
Freq: call KIS70- 2980, 5519, 8905,
13344 all 3KW, weather at 25
and 55 after the hour

ALBANIA:

Ministere of Communications
Direction General des PTT
Section des Telecommunications
Tirana, (X)

Freq: 7790 (ZAZ5)

ALGERIA:

Postes, Telephones et Telegraphes
Algiers (I-VL-1)

Freq: 7885 - 2kw

AMERICAN SAMOA:

Government of American Samoa
Communications Officer
Communications Department
Pago Pago, 96920 (A-VL-1)

Eng/tt
VS- Aleki Sene
Freq: 20878.5 (KUQ20)- 4kw

Pago Pago Aeradio
c/o C.H. Schunaker
P.O. Box 8
Pago Pago, 96920 (A-VP-2)

VS- C.H. Schunaker
Freq: 5641,6559.5,8845 call: KMD48

ANGOLA:

Direction des Postes, des Telegraphes,
des Telephones de la Province
d'Angola
Luanda, (X)

Companhia Portuguesa Radio Marconi
Luanda, (X)

ANTARCTICA:

Scott Base Communications Stn
ZLQ26/ZLQ27
Chief Radio Officer
c/o Antarctic Support Headquarters
Christchurch, N. Zealand (X)

Freq: 3990(ZLQ3), 5400(ZLQ4),
6835(ZLQ21), 7490(ZLQ6),
10688(ZLQ26), 14580(ZLQ27)
11570(ZLQ24)

US Navy Radio Station NGD
MARS NICE
Antarctic Support Activity
PFO, San Francisco, CA 96992(X)

Freq: 5080, 5140, 5810, 5867.5
7669.5, 7875, 8000, 8090,
9140, 9785, 9830, 10130,
10865, 11460, 11552, 12225,
13590, 13874, 14767.5, 15899
16152, 16225, 17375, 17540,
20105, 20350, 21804,
22842.5, 25360

ANTIGUA:

Radiobeacon Station ZDK
Station Representative
International Aeradio Ltd.
P.O. Box 150
St. Johns, (I-VP-2)
Freq: 369 kHz.

ARGENTINA:

Naval Observatory-LOL
Avenida Costanera Sur 2099
Buenos Aires (A-VQSL-3)

VS- Superintendent of the Naval
Observatory
Freq: 5000, 10000, 15000 -2kw

Trans Radio International, SA
Mt. Grande
Buenos Aires, (N)

Freq: 6862.5(LQC41), 9942.5
(LQB73), 10167.5(LQB21), 10875
(IQD9), 10895(LQB2), 13382.5
(LQB41), 13682.5(LQB41), 14977.5
(LQB43), 15615(LQD22), 15635(LQD23),
15810(LQR26), 17690(LQB), 18115
(LQD26), 19600(LQD27), 19900(LQD28),
20810(LQT37), 23830(LQA24), 24520
(LQA27), 24990(LQA26), 25125(LQA46)
Sp/tt, Sp/Eng/tt

Coastal Station LPW
Direccion Nacional de Correos y
Telecomunicaciones
Direccion General de Adm.
Buenos Aires, (X)

Note: This address is good for all
Argentinian CS.

Central Internacional Telecomm
Buenos Aires, (N)

ASCENSION ISLAND:

Cable & Wireless Limited
Station Manager
Ascension Is, (W)

Eng/tt

Freq: 7410(ZBI32), 10135(ZBI46),
16125(ZBI76), 18624(ZBI88),
19465(ZBI92), 19870(ZBI94),
23530(ZBI236), 23545(ZBI234),
23583(ZBI235)

ATLANTIC OCEAN:

For all US Navy Ships in Atlantic
Ocean

Leading Radioman
USS (ships name)
PFO New York, NY 09501 (X)

AUSTRALIA:

Australian Overseas Telecom Comm-
Box 7000 Ission
GPO 32-36 Martin Place
Sydney, NSW, (A-VQSL-1)

Eng/tt

VS- Sandra Hall or A Garison,
Supervising Tech.
Freq: 6955(VKS2), 8789.5(VIS25),
9230(VKS8), 9840(VLN24), 10420
(VLN25), 13425(VLN54), 13640
(VLN), 16010(VLN37), 19015(VLN),
19480(VKS49), 19910(VLN88),
23965(VKH21), 23985(VLN14)

This address is good for all AOTC
or AORTS stations (above)

Overseas Radio-Eastern Terminal
3rd Floor, GPO
Sydney, NSW 2000, (A-VQSL-1)

Eng/tt

Coastal Station VIP
Western Terminal AORTS
Postmaster-General's Department
Perth, (A-VQSL-1)

Eng/tt

Sydney VOLMET
Commonwealth of Australia
Dept of Civil Aviation
Box 211
Mascot, NSW 2020, (A-VP-1)

Freq: 3432, 6680 10017 -5kw, weather
at 00 and 30 after the hour

Sydney Aeradio
Supervisor FSS
Department of Civil Aviation
Box 41
Mascot, NSW, (A-VP-1)

Darwin Aeradio-VZDN
Chief Telecomm Officer
Darwin FSS
Department of Civil Aviation
Box 315
Darwin, N.Terr, (I-VP-1)

Freq: 8871

Station VNG
Assistant Director General
Radio Section
Postmaster - General's Dept.
57 Bourke Street
Melbourne, Vic 3000 (A-VQSL-2)

Time station
Freq: 4500, 7500, 12000- 10kw

AUSTRIA:

Austrian Post & Telegraph
Post und Telegraphendirektion fur
Obersterreich und Salzburg
Linz, (A-VQSL-1)
(transmitter at Fleckendorf)
Eng/tt
Freq: 5905(OEF25), 6787(OEF26),
7890(OEF26), 9130(OEF30),
12015(OEF43), 13848(OEF33),
14490(OEF34), 16160(OEF40),
20755(OEF50), 23600(OEF59),
23765(OEF57)

Wien Radio
Erst Donau Dampfschiffahrts
Gesellschaft (DDSG)
Wien, (I-VQSL-3)

Freq: 4381.5, 4391.85, 8756.55,
8776.4, 13196.5

AZORES:

Lajes Air Force Base
Officer-In-Charge
USAF Communications Station
Lajes Field
APO New York, NY 09406 (A-VP-2)

Freq: 3081, 4746, 5703, 6738, 6750
8967, 11271, 13244

Companhia Portuguesa Radio Marconi
Ponta Delgada, (I-VL-2)

VS- Jose Maria de Medeiros
Freq: 11090(CUG4), 12943.5(CUG27)

Aeronautical Station CSY
International Airport
Santa Maria, (A-VP-1)

Freq: 5611.5, 8820, 8947

(All Coastal Stations)
Direction du Service d'Electricite
et Communications
Ministere de Marine
Lisbon, Portugal (X)

CTH- Horta Radio- 4358, 6522, 7351,
8694, 10980, 13069.5, 17165.6
CTD- Ponta Delgada Radio- 4364,
6519.5, 8642

BAHAMAS:

Bahamas Government Telecom Corp
Box 48
Nassau, (I-VL-3)

Eng/tt

VS- F.S.M. Williams
Freq: 4825(ZFS14), 5200(ZFQ60),
6838(ZFS2)

Coastal Station VPN
Telecommunications Dept.
Government of the Bahamas
Nassau, (X)

Freq: VPN- 2182, 6376, 8710
All Bahamas CS use this Address

BARBADOS:

Cable & Wireless Limited
Station Manager
Bridgetown, (W)

Eng/tt

Freq: 9970(8PX43), 10115(8PX45),
10605(8PX48), 11125(8PX51),
15930(8PX74), 16072.5(8PX73),
19436(8PX92), 20585(8PX98)

Coastal Radio Station 8PO
(same address as C&W Ltd)(W)

Freq: CW-6379.5, 8718, 12709, 16947.6
SSB-2582, 8744.8, 8741.6

BELGIUM:

Brussels PTT
Regie des Telegraphes et des Tele-
42 Rue des Palais phones
Brussels 3, (A-VL-2)

Eng/Flemish/Fr/tt

Transmitter at Ruiselede
Freq: 7927(ORQ47), 10725(ORI50),
14718(ORI44), 14360(ORI64),
16287.5(ORI46), 17538(ORI27),
18790(ORI48), 19200(ORI29),
19750(ORI59), 19845(ORI69),
20350(ORD20), 23570(ORD43),
24445(ORD34)

Oostende Radio
Regie Van Telegrafie en Telefonie
Genest Van de Radio Maritieme
Diensten
Aertshertoginnestraat 27
8400 Oostende, (I-VL-3)

VS- Eng-Chief Manager, G. Brabant
Freq: CW-4298, 64118460, 8478, 12781,
17017.1. SSB & AM- 4434.9,
8805.6, 13189.5, 17349.5

BERMUDA:

USAF Communications Station AFJ
Chief Radio Officer
Kindley Air Force Base
APO New York, NY 09560 (I-VP-2)

Freq: 4493.5, 4602.5, 5138, 7570,
7600, 9155, 9270, 10445, 11610,
13600, 14405

Cable & Wireless Limited
Chief Engineer
St. Georges, (W)

Eng/tt

Freq: 5520(ZFD22), 5765(ZFD23),
6862.5(ZFD28), 10350(ZFD75),
10385(ZFD48), 10635(ZFD49),
11472(ZFD52), 14360(ZFD68),
18275(ZFD56)

USAF Communications Service
1934th Communications Squadron
Kindley Air Force Base
APO New York, NY 09856 (I-VP-2)

BOLIVIA:

US Army Radio Station ACN
Page Comm Engineers, Inc
STRATCOM Facility
US Embassy
La Paz, (I-VP-2)

also
ACN-Officer-in-Charge
US Strategic Communications Station
La Paz, Bolivia ACN
APO New York, NY 09867

Freq: voice- 16335, 24114

West Coast of America Telegraph Co.
Casilla 124
La Paz, (X)

Freq: CPN-174000 & 23500

BRAZIL:

EMBRATEL
Empresa Brasileira de Telecomunic-
Ave. Presidente Vargas aoes
1012/60 Andar
Rio de Janeiro, (I-VQSL-3)
Eng/Port/tt
VS-J. Santelli Jr., Chief Santa
Cruz Transmitting Station
Freq: 19820, 20720(PPX)

NATEL
Dept dos Correios
Telegrafos e Telefones
Service National de Telefonie
Rio de Janeiro, (I-VL-2)

ITT Companhia Radio Intern. de Brazil
Caixa Postal 709-2C-00
Rio de Janeiro, (I-VQSL-2)

Eng/Port/tt

Time Station PPR
Radio Rio
Ave Francisco Bhering
Arpoador
Rio de Janeiro, GB, (I-VL-2)

Freq: 435, 8634, 13105, 17194

Time Station PPE
Servico de Hora
Observatorio Nacional
Rua General Bruce 586
Rio de Janeiro, GB ZC-08, (I-VL-2)

Freq: 8721

Estacao Radio Da Marinha No Rio-
PWZ
Estrada Rio Jequia s/nº Riberira
Ilha do Governador
Guanabara,

VS- Ayrton Silveira Brittencourt
Freq: 7992.5, 9265, 11140, 11503,
15737.5, 15930, 17160, 18070,
18130, 20240, 24550

Companhia Radiotelegrafica Brazil-
Caixa Postal 500-ZC-00 eira
Rio de Janeiro, (I-VL-2)

Companhia Radio International
Caixa Postal 709-ZC-00 Brazil
Rio de Janeiro, (I-VL-2)

(all coastal stations-Brazil)
Dept. des Posts et des Telegraphes
Direction des telegraphes
Rio de Janeiro, (X)

BRITISH HONDURAS:

Cable & Wireless Limited
Belize, (W)

Freq: 7900(ZIK34), 15962.5(ZIK75)

BULGARIA:

Bulgarian PTT
Ministere des Transports et de
Communications
Sofia, (X)

Coastal Station LZW
(Same as for PTT) (X)

Freq: 6405, 6448, 6505, 8532, 8607,
8742, 12840, 12940, 13078.5,
17055, 17276

BURMA:

Director of Posts & Telecomm
Rangoon, (X)

CAMBODIA:

Cambodian Telecomm Service
Director General of Posts &
Telecommunications
Ministry of Telecommunications
Phnom-Penh, (I-VL-3)

CAMEROON:

France Cables et Radio
B.P. 719
Douala, (I-VL-2)

Fr/tt, Eng/Fr/tt
Freq: 11617(TJF6), 15832(TJF58),
19890(TJF98)

CANADA:

Canadian Overseas Telecom Corp.
Station Manager
P.O. Box 127
Drummondville, Quebec, (A-VL-1)

Eng/tt

VS- R.B. Miller, Stn Mgr
Freq: 4905(CGA8), 11531(CGB3), 13745,
(CGA2), 19295(CGC3), 20183
(CJN3), 20537(CGC5)

Canadian Overseas Telecom Corp.
Cloverdale, BC,

Station is CLOSED- used for
satellite relays only!

Naval Station CFH
Officer-in-Charge
Royal Canadian Navy
Newport Corner, Ellershouse, NS,
(I-VP-2)

Freq: 4383, 6386, 6685, 8566, 8662,
10945, 12849, 15030, 15915,
17132, 17218.4, 22455

Montreal Aeradio
Montreal Airport
Dorion-Vandrefeuil, (A-VP-1)

VS- J.D. Miller, Stn Supervisor
Freq: 8903

Radio Station VCS or VCN
Telecom & Electronics Branch
Department of Transport
Ottawa, Ont, (A-VP-1)

Coastal Radio Station VAK
Chief Radio Operator
Victoria Radio
Department of Transport
Victoria, BC, (A-VP-1)

VS- Les Lickner
Freq: 2182, 2458

Vancouver Marine Operator
British Columbia Telephone Co.
768 Seymour Street
Vancouver, BC, (A-VL-1)

VS- R.C. Eldridge
Freq: AM- 2538, 2558, 4422.2
SSB- 2539.4, 2559.4, 4422.2

Time Station CHU
National Research Council
Observatory Crescent
Ottawa 4, Ont, (A-VQSL-2)

Freq: 3330, 7335, 14670

CANAL ZONE:

US Army Radio Station ACA
US STRATCOM Facility- Canal Zone
Drawer 924
APO New York, NY 09827 (A-VL-2)

Eng/tt
VS- Charles F. Carper Chief Tech
Control or Fredrick Broadwater
Freq: voice- 7962.5, 9185, 9930,
12121.5, 13453, 15880, 16415,
18165

Tropical Radio Telegraph Co.
P.O. Box 5016
Cristobal, (A-VQSL-1)

Radio Beacon Station FTD
Chief of Station
France Field
Cristobal, (I-VP-2)

VS- J.D. Smith, Chief AFS-48140
Freq: 326 on CW

Albrook Air Force Base Station AHF2
Balboa, (X)

Freq: 3137, 6738, 13244, 13245, 9014,
17972, 17993.5

US Naval Radio Station NBA
NAVRADSTAT Balboa, Canal Zone
Box 5007
FPO New York, NY 09580 (I-VL-3)

VS- D.M. Powell, Asst O.I.C.
Freq: 4352, 5448.5, 5455, 8614, 11080,
12867, 12883, 17136.8, 17590,
17697.5, 17997, 18066.5 all CW

Station WHZ
FAA, Balboa Area Office
In-Flight Safety Station(IFSS)
Drawer H
Balboa Heights, (A-VL-1)

VS-E.M. Carstarphen, Chief of IFSS
Freq: 3228, 8135, 9785, 9796.5, 10437.5,
10545, 10847.5, 11166, 11590,
11605, 12155, 12188.7, 15841,
16220(CW beacon), 16255, 16390,
16435, 17365, 21860

CAPE VERDE ISLANDS:

Coastal Station CQA or CQD
Direction des Postes, des Telegraphes
et des Telephones
Praia, (X)

Freq: CQA-(CW) 4292, 6393.5, 8490,
8738, 13119, 17189.6

CQA-(AM) 4413.8,8790.2,13172.9,
17332.9
CQD-(CW) 4292,8490,8738,13119,
17189.6 (AM)- 4413.8,8790.2,
13172.9,17332.9

CS-XXU25 & 27 & R. Naval S. Vincente
S. Vincente de Cabo Verde Radio
Naval Radio
c/o Direction du Service d'Electr-
icite et des Communications
Ministere de la Marine
Lisbon, Portugal (X)

Freq: 6488(XXU27), 8642(XXU25),
S. Vincinte Naval- 2182,
2645

CANARY ISLANDS:

Compania Telefonos Nacional Espana
Tenerife, (X)

Freq: 10690(EHZ30)

CENTRAL AFRICAN REPUBLIC:

France Cables et Radio
B.P. 939
Bangui, (I-VL-2)

Freq: 11160(TLA410),16165(TLA315),
24060(TLA240)

CEYLON:

Overseas Telecomm Service
International Terminal
P.O. Box 235
Colombo, (A-VL-2)
(transmitter at Negombo)

Eng/tt
Freq: 7820(4Q034),7855(4Q035),10485
(4Q047),11095(4Q051),11695
(4Q052),15560(4Q073),15727
(4Q076),15750(4Q077),15805
(4Q078),17415(4Q082),18445
(4Q086),18855(4Q088),19050
(4Q091),20210(4Q097),20115
(4Q0205),23937(4Q0239)

Standard Freq & Time Station 4PB
Colombo Radio
Colombo, (X)

Freq: 8742

Coastal Station 4DB
Postmaster General & Director of
Telecommunications
Colombo, (X)

Freq: 8742,12925.5,17045.6

CHAD:

France Cables et Radio
B.P. 191
Fort Lamy, (I-VL-2)

Fr/tt
Freq: 8650(TTZ76),11608(TTZ6),
19290(TTZ92)

CHILE:

Companhia Internacional de Radio
Transradio Chilena
Bandera 168
Casilla 2107
Santiago, (I-VL-2)
(transmitter at La Granja)

Marker sound like a busy signal
79 times a minute
Freq: 11415(CEC7I),13410(CEC6G),
13520(CEC8C),15640(CEC7P),
19775(CEC5D),19915(CEC3H),
21775(CEC5H),23380(CEC8G)

ENTEL

Coordinador de Difusión y Public-
idad

Empresa Nacional De Telecom, SA
Casilla 4254
Santiago, (I-VL-2)

VS- Carlos Camus Espinoza

Time Station CCV
Instituto Hidrografico de la
Casilla 324 Armada
Valparaiso, (A-VL-3)

Freq: 4271, 8558, 12960

CHINA:

Peking International Comm Station
Government Radio Administration
Director
Si Chang an Chieh
Peking, (X)

Time Signal Station BPV
Zi-ka-wei Observatory
Shanghai, (X)

Freq: 5000, 10000, 5430, 9351

Shanghai International Comm.
Director
Government Radio Administration
30 Nanking Road East
Shanghai, (X)

Chi/Eng/Fr/ musical mkr with
the east is red

COLOMBIA:

Beacon Station MDE
Medellin, Colombia
Aerovias Nacionales de Colombia
Bogota, (I-VP-3)

Freq: 1690

ENTEL

Empressa Nacional de Telecom
Carrera 13A N° 22 54
Bogota, (I-VQSL-3)

Eng/Sp/tt

VS- Herberto Romero, Telecom Eng.

Freq: 7642,7717,9075.2(HKR80),
9225(HJY33),10230(HKI60),
14575(HJI67),15535(HKQ32),
18064,22965,23790(HJY43)

Coastal Station HKC or HKB
(see ENTEL Pogota) (I-VQSL-3)

Freq: HKC-(CW) 6386.5 8574,8666,
12853.5,13087.5,17045.6
(SSB) 4422.2,8799.2,13147.5
HKC-(CW) 4277,4316,6463.5,
8666,12781.5,13087.5,17002.4
(SSB) 4422.2,8799.2,13147.5

COMORO ISLANDS:

Comoro PTT
Overseas Radiotelephone Service
Administrateur Superieur des Comores
Postes et Telecommunications
Dzaoudzi, (X)

Station FJN
(same as for PTT)

Freq: 2182, 2663

DEMOCRATIC REPUBLIC OF THE CONGO:

Office Congolaise des Postes et Telecom
Direction de l'Exploitation des Telecom
B.P. 8623
Kinshasa, (I-VQSL-3)

Eng/Fr/tt

VS- G. Mukelebwe-EBWE, Le Director
Freq: 10140(9RL-301),14986(9RL-349),
20867(9RL-208),23660(9RL-236)

Office Congolaise des Posts et Telecom
Province du Katanga
B.P. 1198
Lubumashi, (I-VL-2)

Eng/Fr/tt

VS- G. Katembue
Freq: 19430(9RE394),20873(9RL208)

CONGO, REPUBLIC OF:

Brazzaville VOLMET
Le Commandant de l'Aeroport
Aeroport de Brazzaville
Maya-Maya
B.P. 218
Brazzaville, (I-VL-2)
(must report in French)

VS- M. Boukoulou
Freq: 10073

France Cables et Radio
B.P. 137
Brazzaville, (I-VL-2)

Fr/tt

Freq: 11477.5(TNH4),20955(TNI9),
25210(TNI52)

COOK ISLANDS:

Government PTP Station
Radio Department
Government of the Cook Is.
Rarotonga, (A-VL-2)

Eng/tt

VS- D. Richards, Radio Super.
Freq: 9200(ZKS9),11990(ZKS20),
12000(ZKS3),14955(ZKS24),
15725(ZKS26),16200(ZKS25),
17420(ZKS5),19392.5(ZKS26)

COSTA RICA:

Radiografica Costarricense
Apartado 54
San Jose, (I-VP-1)

VS-Carlos A. Mauro, Tech Asst.
Freq: 3230(TEN5),3370(TEN2),
5360(TIO5),7685(TIO),
7985(TEM),10910(TEL),
10985(TIW85),13380(TEN3),
17620(TIX)

CUBA:

US Naval Communications Stn NAW
Commanding Officer, Guantanamo
Box 12 Bay
FPO New York, NY 09593 (I-VL-3)

VS- J.H. Halton, Commanding
Officer
Station Code Name- Raspberry
Net

Freq: 6723, 7800

Direccion General de Telecom
Ministerio de Comunicaciones
Habana, (I-VL-2)

Musical bagpipe marker
Freq: 10788.5, 10784(CML30),
15810(CLA41),18840(CML56)

Coastal Radio Station CIA
(same as Cuban PTT)

Freq: CW- 4355,8573,6505.5,
8702,8496,13062,13092,
17165.6,22396
Voice-13147.5,17293.5

CYPRUS:

Cyprus Telecomm Authority
Box 1929
Nicosia, (A-VL-2)

Eng/tt

VS- Engineer, Saranta Spilia
Transmitting Station
Freq: 10141(5BC46),11005(5BC49),
14476(5BC67),19155(5BC91),
19440(5BC94),19940(5BC90)

CZECHOSLOVAKIA:

Posts & Telecom Administration
Radio & Communications Div.
Prague, (X)

Time Station OMA/OIB5
Astronomical Institute
Budecska 6
Praha 2, Vinohrady (A-VQSL-2)
Freq: 2500(OMA), 3170(OIB5)

DAHOMAY:

France Cables et Radio
B.P. 355
Office of Posts et Telecom
Cotonou, (I-VL-2)

Freq: 17395

DENMARK:

PTT
Direction General des Postes et des
Telegraphes
Copenhagen, (X)

Freq: 7652(OX077), 10420(OXR20), 11460,
(OXR21), 14705(OXR34), 14785(OXR44)

Lynby Radio-OXZ
(same address as PTT) (X)

Freq: CW-6446.75(OXZ3), 4303(OXZ2), 8598
(OXZ4), 12916.5(OXZ6), 17068.4
(OXZ8), 22418.4(OXZ9)
Voice- 4383.8, 8760.8, 13147.5,
17307.5, 22667.5

Coastal Radio Station (OVK, OXA, OVG, OVF)
Direction des Communications
Sovarnskommadoen
Copenhagen, (X)

DOMINICAN REPUBLIC:

Dominican Telephone Co.
Santo Domingo, (X)

ECUADOR:

Empresa Nacional de Telecom
Quito, (I-VQSL-3)

Sp/tt
Freq: 10960(HDA66), 15610(HDA86),
19605(HDA86), 19623.5(HDA87)

EGYPT:

Telecom Organization
Radiocommunication Adm.
Ramses Street
Cairo, (X)

Freq: 14150, 20150, 20290(SUA322)

Alexandria Radion-SUH
(same as for Telecom Organ) (X)

Freq: CW- 8575, 8578, 12970.5

EL SALVADOR:

National Telecom Adm.
San Salvador, (X)

Freq: 14985(YSJ)

ETHIOPIA:

US Army Radio Station AEZ
USASTRATCOM EUR
Telecom Center Asmara, Ethiopia
APO New York, NY 09843 (A-VP-2)

VS-John W Taylor Jr, Freq. Coord.
Freq: CW- 5745, 10487, 15918, 18450,
Voice-10515, 10590, 11665,
13557, 14430, 14815, 18240,
18370, 20440, 20592.5, 20753,
10676.6

Imperial Board of Telecom
P.O. Box 1047
Addis Ababa, (I-VQSL-1)

Freq: 15540(ETA55), 19045(ETS),
19413, 20035, 20044

US Naval Comm Station NKA
USNAVRADSTA-Asmara, Ethiopia
APO New York, NY 09843(I-VP-2)

Freq: CW- 4515, 5090, 5146, 5358,
5807.5, 6930, 6960, 7442.5,
7767.5, 8020, 8578, 9060,
9075, 9365, 9955, 10225,
11500, 12020, 12080, 12127.5,
13710, 15850, 16225, 17510,
17515, 18370, 20070, 20087.5,
20208, 20290, 20385, 20440,
22766, 23115, 23160, 24030,
24090, 26430

FALKLAND ISLANDS:

Cable & Wireless Limited
Falkland Islands, (W)

Eng/tt
Freq: 24145(VPC24)

Coastal Radio Station VPC
Post & Telegraph Department
Port Stanley, (X)

Freq: CW-4313, 8642, 8650, 12849,
13069.5, 17199.2, 22455

FIJI ISLANDS:

Coastal Radio Station VRO
Dept. of Posts & Telegraphs
Suva, (X)

Freq: CW- 8690, 13119
AM- 4383.8, 8811.9

Nandi Aeradio
Stations-Communications Officer
P.O. Box 183
Nandi Airport
Fiji Is., (X)

FINLAND:

Postes-Telegraphes Station
Adm. des Postes et des Tele-
graphes de Finlande
Helsinki, (X)
Eng/tt
Freq: 14767(OPD64)

Coastal Radio Station OPJ
Helsinki Radio
Adm des Postes et Telegraphes
de Finlande
Helsinki, (X)

Eng/Finish/tt
Freq: CW- 4271, 6425, 6355, 8706
8726, 13087.5, 13105.5,
16923.6, 22396
Voice- 4393.4, 8760.8, 13144,
17290, 22639.5

FRANCE:

French Telecom Service
Administration Francaise de PTT
5 Rue Froideveaux
Paris-14 ieme, (A-VL-2)

Fr/Eng/tt
VS- L'Ingenieur General Directeur
des Services Radio-Electrique
Freq: 10195(FPR9), 10430(FTK43), 11005
(FTI), 11034(FTL3), 12125(FPM2),
13535(FTN53), 14485(FLE44),
14795(FTO79), 14902(FTO90),
15495(FTP49), 15805(FTP80),
16295(FTQ29), 16398(FTQ39),
17505(FTS50), 18205(FTS20),
18805(FTS80), 19110(FYT2),
20640(FTU64)

Paris Aeradio
C.R.N.A./Nord.
B.P. 108, Orly Aerogare
Paris, (X)

St. Lys Radio
(same address as FTS, Paris)
(A-VL-2)

Musical/Fr/tt
VS- J. Nicolas
Freq: CW- 4328(FPI2), 6421.5(FPL3),
8510(FPS4), 8522.5(FPL4),
12912.6(FPL6), 13096.5(FPS6),
17027(FPL8), 22509(FPL9),
Voice-8751.2(FPL32), 8783.2
(FPL33), 13133.5(FPL34), 13161.5
(FPL35), 17279.5(FPL36), 17307.5
(FPL37), 22650(FPL38), 22678
(FPL39)

Time Station FFH
Centre National d'Etudes des Telecom
196 Rue de Paris
92 Bagneux, (A-VQSL-2)

Freq: 2500

Bureau International de l'Heure
61 Ave. de l'Observatoire
Paris 14, (A-VL-1)

Freq: FTA91- 9115, St Andre de Corcy
7428(PTH42), 10775(FTK77),
13873(FTN87) at Pontoise

FRENCH GUIANA:

French Telecom Service
Centre Radioelectrique de Cayenne
B.P. 1001
Cayenne, (A-VL-1)

Fr/tt
VS- Le Chef de Centre
Freq: 6816(FKC35), 10835(FZC8),
11650(FZC6), 12128(FZC21),
15492(FZC59), 15556,
19172.5(FZC91)

GABON:

Francaise des Cables Sous-Marins
et de Radio
Le Chef de Centre
Centre des Liasons Radiotelephoniques
B.P. 1120
Libreville, (A-VQSL-1)

Fr/tt
Freq: 12298(TRZ22), 14972(TRZ49),
15735(TRZ56), 15690(TRA215),
18855(TRZ88)

GAMBIA:

Cable & Wireless Limited
Station Manager
Bathurst, (W)

Eng/tt
Freq: 13797(VSH64), 24437.5(VSH244)

GERMANY, EAST:

Overseas Radio Telephone Service
European & Overseas Service of the
DDR
Uberseedienst der Deutschen Post
119 Berlin, Agstrasse, (A-VQSL-3)

Eng/tt or Eng/German/tt
Transmitter at Nauen
Freq: 13375(DKW5), 20060(DKC6),
20500(DKC9)

Ruegen Radio
Buro fur Auslandsdienst
Hauptpostamt
Berlin, NW7, (X)

Freq: 6428.5, 8660, 13100, 16965,
22401 all on CW, call sign DHS

Central Institute of Physics of the
Earth
Time Service
Potsdam
Telegrafenburg A 17, (X)

Freq: DIZ-4525

GERMANY, WEST:

Funkamt Hamburg
Deutsche Bundespost
Funkienstburo
Schluterstrasse 53
2-Hamburg-13, (A-VQSL-1)

German/Eng/tt
Freq: 10850(DGK85), 16430(DGQ43),
19227(DFT23), 21780(DGV78),
23855(DGX85)

Deutsche Bundespost
Homburger Lanstrasse 285
Frankfurt, Am Main, (A-VQSL-1)

German/Eng/tt or Eng/tt
Freq: 13364(DFN36), 13695(DFN69),
15542.5(DFP54), 16410(DFQ41),
16450(DFQ43)

Norddeich Radio
Postsache
Funkant Hamburg
Kustenfunkstelle Norddeich Radio
298 Norden, Postfach, (I-VL-2)

German/Eng/tt
VS- Head of Office
Freq: DAL- 13027.5, 17177.6
DAM- 12763.5, 16980.4
DAF- 12832.5, 17048, 22415
DAN- 4308.5, 6435.5, 8483.5,
12898.5, 17143.6 (all CW)
DAJ-Voice- 13161.5, 17307.5
DAK-Voice- 8796, 13175.5,
17321.5

US Army Radio Station AEA
Officer-in-Charge
Telecom Division
Stratcom Facility- Pirmasens
APO New York, NY 09189 (I-VP-2)

Head of Time Services
German Hydrographic Institute
P.O. Box 220
2 Hamburg-4, (X)

Freq: 2614(DAN), 2775(DAO), 6475(DAM),
12763.5(DAM), 4265(DAM),
8638.5(DAM)

Time Station DCF77
Physikalisch-Technische Bundesanstalt
Braunschweig
Bundesallee 100, (X)

Freq: 77.5 kHz.

GHANA:
External Telecom Service
Engineer
Posts & Telecom Department
Accra, (I-VP-2)

Freq: 10157.5(9GS27), 19725,
23462(9GN29)

Coastal Station 9GA
Takoradi Radio
Director of Posts & Telecom
Accra, (X)

Freq: CW-8742, 13087.5, 17175.2
Voice-4420.7, 811.5

GIBRALTAR:
Royal Air Force Radio Stn MLU
Officer-in-Charge
Gibraltar, (I-VP-2)

GRAND CAYMAN ISLAND:
Radio Beacon Station ZIY
P.O. Box 117
Grand Cayman Is, Cayman Islands
British West Indies (I-VP-2)

VS- Carl Godet
Freq: 344 kHz.

GREAT BRITAIN:
British Post Office
General Post Office
External Telecom Executive
Alder House
1, Aldersgate, London, (W)

Eng/tt
Freq: 13415(GCB33), 13585(GAB33),
13620(GOJ33), 13985(GAC33),
18210(GBE38), 19040(GLU39),
23495(GAA43)

Portished Terminal
Coastal Radiotelephone Station
c/o B.P.O. London (W)

Eng/tt
Freq: 8805.6(GCN), 13020(GKT5),
13066.5(GKB5), 16695(GKS),
16954.4(GKT6), 17098.4(GKJ),
17112.8(GKS), 17136.8(GKA6)

Cable & Wireless Limited
Public Relations Office
Mercury House
Theobalds Road
London WC1, (W)

Royal Greenwich Observatory
Time Department
Herstmonceux
Hailsham, Sussex, (A-VL-2)

Freq: 16 kHz.(GBR), 19.6 kHz.(GBZ)

Standard Frequency Service
National Physics Laboratory
Division of Electrical Science
Teddington, Middlesex, (A-VL-1)

Freq: 60, 2500, 5000, 10000

GREECE:
Hellenic Telecom Organization
Directorate of Technical Services
Radio Systems Department
15 Stadiou Street
Athens, (I-VQSL-3)

Eng/Greek/tt
VS- C. Pliagouras
Freq: 7355(SZJ), 17363(SZF33),
19230(SZF40), 19565(SEK6),

19885(SYU), 20265(SZF25), 20430(SZF19),
21784(SZF19)

Athina Radio- SVA
(same address as HTO) (I-VQSL-3)

Greek/Eng/tt
Freq: 4343, 4427.6, 6512.5, 8690,
8811.5, 12780, 13029, 13047,
13186, 13188.3, 13189.5,
17194.4, 17348.3

US Naval Radio Station NGR
USNAVCOMSTA- Marathon Bay
Nea Makri, (A-VL-2)

VS- J.L. Wise
Freq: 4285

GREENLAND:
Godthaab PTT
Teletrafix Godthaab
Overseas Radiotelephone Service
Direction General des Postes et
des Telegraphes (A-VP-3)
Godthaab,

Eng/Danish/tt or Danish/tt
Freq: 14900(OXI68)- 10kw

Soendrestroem Aeradio-XPJ
Chief Telecom Officer
Statens Lufartsvaes
Flyveradiotjenesten
Søndre Søgømfjord, (A-VP-1)

VS- Chief Telecom Officer
Freq: 13324.5(XPJ8)

Thule Air Force Base
US Air Force Radio Station
Chief Radio Officer
Thule, (I-VP-2)

VS-"Mike"
Freq: 4725, 6715, 8967, 11228, 13201

GUADELOUPE:
French Telecom Service
Le Chef de Centre
Centre du Reseau General Radio
Electrique (I-VL-1)
Point-a-Pitre,

Fr/Eng/tt
Freq: 16456, 19555(FZW96)

GUAM:
Guam Aeradio IFSS
Federal Aviation Administration
Finegayan Route 008
Agana, (A-VP-1)

VS- H.B. Stewart, Chief
Freq: KCD72-8862.5, 16035

RCA Global Communications
P.O. Box EH
Agana, (A-VL-1)

Eng/tt
VS- Arthur Z. Smith
Freq: 10410(KUK30), 10620(KUK20),
15490(KUK35), 18695(KUK38),
19255(KUK29)

Anderson Air Force Base (AFCS)
United States Air Force Radio Stn
Chief Radio Officer
Agana, 96910 (A-VQSL-1)

Freq: 8989, 8993

US Coast Guard Radio Station NRW
Chief Radio Officer
Agana, (I-VP-1)

US Naval Communications Stn NPN
USNAVCOMSTA-Guam, Marianas Is.
FPO San Francisco, CA 96630
(A-VQSL-1)
Freq: CW-4955, 8150, 8280, 8510, 8578,
13362, 13381, 13655, 13530,
13380, 17530, 21760
Voice- 10450, 13362, 17345

GUATEMALA:
Aerobeacon RAB
Rabinal Guatemala
Communications Dept.
Pan American World Airways
Miami International Airport
Miami, Florida (I-VP-2)

Freq: CW-1613

Radiobeacon Station PRS
Flores Airport
Chief Radio Operator
Flores, San Benito, (X)

Freq: CW- 1700

Tropical Radio Telegraph Co.
Manager
Puerto Barrios, (A-VQSL-3)

Freq: 11580(TGB), 14580(TGA7)

GUINEA:
Coastal Station 3XC2
Conakry Radio
Office National des Postes et
Telecommunications
Conakry, (X)

Freq: CW- 6383
AM- 2586, 2805

Posts & Telecommunications
Overseas Radiotelephone Station
Conakry, (X)

GUYANA:

J.W. Steele
Cable & Wireless West Indies Ltd.
Box 239
Bank of Guyana Building
Georgetown, (I-VL-1)

Eng/tt
VS- J.W. Steele
Freq: 9445(8RB42), 10528(8RB47)

HAITI:

West Indies Telephone Company
Service des Telegraphes, Tele-
phones et Radiocommunications
Dept. des Travaux Publics
Port-au-Prince, (Seldom Verifies)

Eng/tt
Freq: 10440(HHW33)

HAWAII:

US Naval Radio Station NPM
Chief Radio Officer
Radio Transmitting Facility-
Luahalei
FPO San Francisco, CA 96612
(A-VQSL-1)

VS- R.L. Bramer
Freq: CW- 4525, 8578, 9050, 13380,
13655, 17122.4
Voice- 7419

Hickam Air Force Base
USAF Radio Station AGA
Airways Radio Station
1957 AAESRON
Honolulu, (X)

Freq: Voice- 11176, 13215.5, 23595(AGA2)

Kahuku Radio- KQM
Hawaii Telephone Co.
1130 Alaska Street
Honolulu, (A-VL-1)

Freq: 2530, 4422.2, 8767.2, 13175.5,
17307

Honolulu Aeradio- KUA
Aeronautical Radio Inc.
Hawaii International Airport
Honolulu, (I-VP-1)

Freq: 5604, 8862.5, 5554(KUA5),
17909(KUA3)

Honolulu Radio (VOLMET)
F.A.A.
Chief, Honolulu PSS
Honolulu International Airport
Honolulu, 96819 (A-VQSL-1)

VS- Joseph Sato, Facility Chief
Freq: 2980, 5519, 8905
Power-3kw, Call- KVM70

Radio Station WWVH
National Bureau of Standards
Dept. of Commerce
P.O. Box 417
Kekaha, (A-VQSL-1)

VS- C.L. Trembath
Freq: 2500, 5000, 10000, 15000,
20000

HONDURAS:

Tropical Radio Telegraph Co.
Supervisor Honduras Division
Avenida Cervantes 808
Tegucigalpa, (A-VQSL-2)

Eng/Sp/tt
VS- A. Gallardo- Manager or
C.A. Kirkconnell
Freq: 6905(HRB4/HRL4), 9840
(HRB9), 11190(HQNX2),
13688(HQPW)

Tropical Radio Telegraph Co.
La Lima, Honduras
(send c/o TRT, Tegucigalpa)
(A-VQSL-2)
Freq: 5780(HQL2), 11002.5(HRX6)

HONG KONG:

Cable & Wireless Limited
Station Manager
Cape d'Agullar, (W)

Eng/tt
Freq: 13866(ZEN64), 18862.5(ZEO89),
19265(ZEN91), 19510(ZEN94),
24410(ZEN244), 21845(ZEO99)

Hong Kong VOLMET
Telecommunications Division
Civil Aviation Department
Airport Administration
Hong Kong Airport
Kowloon, (A-VL-2)

VS- Chu Hark-Keung, Telecom
Officer
Freq: 2980, 5519, 8905

HUNGARY:

Director of Posts & Comm.
Ministry of Posts & Comm.
Budapest, (X)

Coastal Radio Station HAR
Budapest Naval Radio
Societe Anonyme des Navigation
Hongroise (MAHART)
Ministry of Posts & Comm.
Budapest, (X)

Freq: CW- 4239, 4241, 6390, 8616,
8720, 8727, 12780, 12963,
12972, 17130
AM- 4422.2

ICELAND:

Reykjavik Radio
The Post & Telegraph
Communication Centre-Gufunes
Reykjavik, (I-VQSL-2)

Eng/Icelandic/tt or Eng/tt
VS- Stefan Arndae, Stn Mgr
Freq: CW- 6512.5, 8690, 13069.5,
17512.5 (all 1.5 kw)
AM- 8764, 12175 (all 5kw)

INDIA:

International Overseas Telecom
Service
Ministry of Transport & Comm.
Dept. of Communications
New Delhi, (I-VP-3)

Freq: 10655(ATK61), 19430(ATS69),
22740(ATP73)

Coastal Radio Station VWB
Bombay Telephone District
Chief Radio Operator
Bombay, (X)

Freq: CW- 4316, 8514, 12966
AM- 2182, 6204, 8762.2

Bombay VOLMET
Department of Civil Aviation
Bombay International Airport
Bombay, (X)

Freq: 6631

National Physical Laboratory
Time Station ATA
New Delhi, (X)

Freq: 10000

INDONESIA:

Indonesian Terminal of the Overseas
Radio Telephone Service
Bandung, Java, (I-VL-3)

Freq: 10660, 19280(PLF2), 19345
(PMB8), 24362(PMG2)

IRAN:

Office of the Director General of
Posts, Telegraphs & Telephones
Tehran, (A-VQSL-1)

Fr/Eng/Persian/Musical tt
Freq: 10909.5(EPL10), 18560(EPJ),
19880(EPJ2), 19978(EPJ2)

IRAQ:

Office of the Director General of
Postes & Telegraphs
Baghdad, (X)

Arabic/Eng/tt
Freq: 18898

IRELAND:

Shannon Aeradio-EIP
Ballygirrelin
Newmarket-on-Fergus
Co. Clare, (A-VQSL-1)
VS-T. Croke, Officer-in-Charge
Freq: 2kw- 2889, 5533, 8833, 8825.5,
13312
2980, 5519, 8868, 13272

The latter group of frequencies
belong to the NAT net and Shannon
has not been observed on these
frequencies the past month.

ISRAEL:

Ministry of Posts
Director of Engineering Services
37 Yehuda Hayamit Street
Tel Aviv/Jaffa, (W)

VS-M. Shakked, E.I.C. of Freq.
Freq: 8080(4XQ28), 9410(4XQ49),
10305(4XA30), 10488(4XA40),
11500(4XA51), 11640(4XQ49),
15710(4XA65), 15786.2(4XA85),
17665(4XA67), 18350(4XA48),
20280(4XX40), 20827(4XX80)

Coastal Station 4XO
Postes, Telegraphs & Telephones
Administration
Jerusalem, (W)

Freq: 4238, 8694, 6470.5, 13051.5,
17060, 17146.4, 22491(all CW),
4422.2, 8796, 13168.5, 17314.5,
22650 (all AM or SSB)

Radio Station 4XZ
Director of Naval Communications
Haifa Naval Radio
Haifa, (N)

Presently, no longer active.

ITALY:

Italia Cable
Direzione Generale
Casella Postale 2470-AD
00100 Roma, (A-VQSL-2)

It/Sp/Eng/Fr/tt or It/Eng/tt
Freq: 9382.5(IRG43), 10135(IRH31),
10846(IRH28), 14485(IRL24),
16395(RO33), 17408(IRP24),
18630(IRQ26), 19592(IRR35),
19684(IRR46), 19782(IRR27),
19620(IRR25), 19934(IRR24),
20430(IRS24), 23090(IRV20),
23710(IRV27), 24137(IRW21)

Roma Radio-IAR
Maritime Radiotelephone Service
Amministrazione P.T.
UFFICIO Principale
Roma Radio P.T.
Direzione
Via Della Mercede 96
00100 Roma, (I-VQSL-3)

Eng/It/tt

VS- Ing. Giorgoli, Il Direttore del
Centro Radio Nazionale
Guidarelli Maltoli
Freq: 8799.2,13015.5,12147.5,13240,
16395

Genova Radio- ICB
(same address as IAR) (I-VL-3)

Freq: CW- 6425,8649.5,12978,17218.4,
Voice-8764,8783.2,13147.5,
17293.5

Time Station IAM
Istituto Superiore delle Post e
delle Telecomunicazioni
Rome, (X)

Freq: 5000

Standard Time & Freq Station IBF
Istituto Elettrotecnico Nazionale
Corso Massimo d'Azeglio 42
10125-Torino, (A-VQSL-2)

Freq: 5000

IVORY COAST:

Direction de l'Office des Postes et
Telecom de la Cote d'Ivoire
OFIPOSTEL
Abidjan, (I-VL-2)
(Use French Report Form)

Fr/tt
Freq: 13830(TUA413),13920(TUA513),
23925

Societe de Telecom Internationale de
la Cote d'Ivoire

INTECI
B.P. 1838
Abidjan, (I-VL-2)
(Use French Report Form)

Fr/tt
Freq: 9860(TUP98),12115(TUP21),
13862.5(TUP38),16380(TUP63),
23170(TUP31)

JAMACIA:

Jamacia International Telecom Ltd.
P.O. Box 138
9 East Parade
Kingston, (W)

Ex- Cable & Wireless Limited

Eng/tt
Freq: 5235(6YR23),5205(6YR21),5916
(6YR24),7735(6YR34),9396(6YR42),
9928(6YR43),10355(6YR46),10412.5
(6YK47),11595(6YR52),15620(6YR72),
17525(6YR82)

Jamacia Aeradio
Civil Aviation Dept.
Kingston International Airport
Kingston, (X)

Freq: 8837

JAPAN:

Tokyo VOLMET
TIA Weather Service- JNA
Tokyo International Airport
Tokyo, (A-VQSL-1)

Freq: 2980,5519, 8905

US Naval Communications Stn NDT
NAVCOMMSTA- Totsuka, Japan
FPO Seattle, WA 98762 (X)

Freq: 4784.5, 19060

USAF Communications Station AIF
Fuchu Air Station
APO San Francisco, CA 96525 (X)

Time Station JJY
Radio Research Laboratories
Koganei, Tokyo, (A-VQSL-3)

VS- Chief, Freq. Standard Div.
Freq: 2500,5000,10000,15000

Choshi Radio Station(JCS,JCT,JCU,
Kobatake-Shinmachi JDS)
7756 Choshi City, (A-VL-1)

VS- (JCS) S. Miyahara

Coastal Station (JCS,JOR,JOU)
Nagasaki Radio
c/o Nippon Telegraph & Telephone
Public Corp.
Tokyo, (I-VL-2)

Freq: 6491.5,8523.4,13008,13092,
13069.5,16933.2,16959.2,
22409

Kokusia Denshin Denwa Co. Ltd.
Kasumigaseki Bld.
No. 2-5, 3 Chome
Chiyoda-Ku
Tokyo, (I-VQSL-3)

Eng/Jap/tt

Freq: 6900(JBA),7440(JBL),10105
(JBA2),10640(JBF20),10660
(JBC31),13630(JBL43),
13950(JBJ6),15700(JBC41),
16230(JBB3),18725(JBA8),
19120(JBT49),19615(JBT79)

KENYA:

East African External Telecom Co.
Box 30488
Nairobi, (A-VL-1)

Eng/tt

VS- J.D. Munday
Freq: 10502.5(5YF46),10730(5YF48),
17575(5YF82),19630(5YF92),
19800(5YF93)

Mombasa Radio-5ZF

East African External Telecom Co.
P.O. Box 160
Mombasa, (A-VL-1)

VS- D.A. Young
Freq: CW-8710.4,8805.6,13065,
17175.2

KOREA, SOUTH:

Korea International Telecom
Office (Bureau)
Ministry of Communications
84 Sejong-Ro Jongno-Ku
Seoul, (I-VQSL-3)

Eng/tt

VS- B.S. Kim, 2nd Tech. Section
Freq: 7746.5(HLJ80),11135(HLB40),
13410,17635(HLQ47),19900
(HLA94)

US Army Radio Station ADG
USASTRATCOM Facility-Taegu, S. Korea
APO San Francisco, CA 96212 (X)

KUWAIT:

Kuwait PTT
Ministry of Posts, Telegraphs &
Telephones
Kuwait, (A-VL-1)

Arabic/Eng/Musical tt
Freq: 19838(9KT353),19870(9KT37)

LEBANON:

Societe Radio Orient
Hotel des PTT
B.P. 86
Beyrouth, (I-VL-2)

Fr/tt
VS- L'Ingenieur Chef des Services
Techniques du BCR
Freq: 8090(ODG20),10570(ODI57),
13775(OLD77),13799(OLD79),
20972(ODS97),24622(ODW62)

Coastal Radio Station ODR
Beyrouth Radio
(same address as Radio Orient)
(I-VL-3)

Freq: CW-8702,13101
AM-8760.8,13147.5

LIBERIA:

Chief Engineer
Liberian Telecom Adm.
Monrovia, (I-VQSL-1)

Eng/tt

Freq: 19940(ELA29),19980(ELA19),
10730(ELA20),13935(ELA23)

Overseas Radio Telephone Station
Dept of Posts,Telegraphs & Telephones
Monrovia, (X)

Coastal Radio Station ELH
Harbell Radio
c/o The US Liberia Radio Corp.
Akron 17, Ohio (X)

Freq: CW- 4240,8600
AM- 4380,8800

Coastal Radio Station ELC
Liberia Radio
Dept. of Posts, Telegraphs &
Telephones
Monrovia, (X)

Freq: 8518,13128,16983,17146.4
22491

MACAU:

Da Reparticao Provincial dos
Servicos dos Correios Telegrafos
E Telefones de Macau
Macau, (A-VL-2)

VS- Postmaster General
Freq: 9940(XXF48)

MALAGASY REPUBLIC:

France Cables et Radio
B.P. 1298
Tananarive, (A-VL-1)
(Use French Report Form)

Eng/Fr/tt

VS- L. Thibaut
Freq: 7650(5RX76),10515(5RY5),
10526(5RX5),12275(5RY23),
14750(5RY47),16415(5RY64),
17601(5RY76)

Society des Telecom International
de la Republique Malagasy
STIMAD

B.P. 763
Tananarive, (A-VL-1)
This station appears to be FCR
in disguise. Verifications have
been received on FCR stationary
with FCR crossed out and STIMAD
handwritten in.

Tananarive Aeradio
ASCENA
Representation au Madagasscar
Tananarive, (A-VP-1)

MALAYSIA:

External Service of the Malaysia
Telecommunications Dept.
Director General of Telecom
Kuala Lumpur, (X)

Eng/tt

Freq: 9237,10444(9WD302)

Coastal Station 9MG, Penang
c/o Director General of Telecom
Kuala Lumpur, (X)

Freq: 8698, 8748.1, 4390.2,
13096.5

MALI:

Telecom International du Mali
Bomako, (X)

Fr/tt

Freq: 18295(TZA218), 19861(TZB319)
20833.5(TZA820), 23667(TZA223)

MALTA:

Royal Naval Comm. Station GYR, GYX
Chief Radio Officer
Royal Naval Base
Lascaris, (A-VL-2)

or

c/o British Admiralty
London, SW1, England

Freq: 4319(GYR2), 6386.5(GYX3),
8566(GYX4), 8594(GYR4),
12849(GYX5), 13105.5(GYR5),
16988(GYR6)

Malta Aeradio-9HA
Senior Telecom Officer
International Aeradio Limited
Luqa Airport
Malta, (A-VL-1)

Freq: 8820, 8930.5 (all 1250 watts)

MARSHALL ISLANDS:

USAF Communications Station AJN
US Air Force Base
Roi-Namur Island, Kwajalein Atoll
Marshall Is., (I-VP-1)

VS- William H. McCarty
Freq: 9043.5, 10567.5, 13418, 13542,
17433.5, 19651.5, 21807, 23032.5

MARTINIQUE:

French Telecom Service
Chef de Centre Exploitation
Centre Radioelectrique
Fort-de-France, (A-VL-2)

Fr/tt

VS- Andre Soulier
Freq: 10155(FZF5), 17565(FZF76),
20504(FZF6)

MAURITANIA:

Office des Postes et Telecom de la
Republique Islamique de Mauritanie
Nouakchott, (X)

VS- Abou Guisset
Freq: 18979(5TN30)

MCQUARIE ISLAND:

Radio Station VJM
Radio Office
A.N.A.R.E. Base
McQuarie Is., (A-VL-3)

VS- Radio Officer
Freq: 4040, 5835, 9940, 12225,
14415, 15845

MAURITIUS:

Royal Navy Wireless Station GZC
Vacoas Mauritius
c/o BPPO 161
London, England (A-VL-1)

VS- H. Julian or A.J. Cokes,
Chief Radio Supervisor

Freq: 4295(GZC2), 6519.5(GZC3),
7848(GZC140), 7855, 8726
(GZC4), 8862(GZY), 9086(GZC82),
9252, 12988.5, 16978.4

MEXICO:

Mexico PTT
Direccion General de Telecom
Depto. de EST. Radio Electronics
Oficina de Enlaces
Mexico City, (A-VL-2)

Multi-Language/tt

VS- Jorge Suarez Diaz
Freq: 7350(XDD212), 10565(XDD229),
13740(XDD242), 13995(XDD243),
17510(XDD284), 18700(XDD264),
19496(XDD272), 20600(XDD280),
20150(XDD276), 20800(XDD280),
20907.5(XDD282), 21770(XDD283),
23005(XDD285)

MOROCCO:

US Naval Communications Station
NHV
USNAVCOMMSTA-Port Lyautry, Morocco
NAVCOMMSTA-Navy 214
FPO New York, NY (I-VL-2)

Freq: 12297.5, 16310

Moroccan Radio Electrical Centre
Ministry of Posts, Telegraphs &
Telephones
Rabat, (I-VL-2)
Arabic/Eng/tt
Freq: 18395

Coastal Radio Station CNP
Casablanca Radio
c/o Ministère des Postes, des
Telegraphs et des Telephones
Rabat, (X)

Freq: CW-8686, 13114.5, 17170.4
AM-8767.2, 13154.5, 17314.5

MOZAMBIQUE:

Companhia Portuguesa Radio Marconi
(send via CPM, Lisbon, Portugal)
(I-VL-1)

Freq: 22795(CRN17)

NETHERLANDS:

Netherlands Postal & Telecom
Services
Headquarters
Kortenaerkade 12
The Hague
Amsterdam, (A-VL-1)

Transmitter at Kootwijk

Eng/tt

VS- Head of Radioservices PTT
Freq: 8160(PDK38), 10735(PCL50),
10870(PCM50), 14500(PCK34),
18626.5(PCM98), 18735(PCN68),
20055(PBK70), 20225(PBM20),
20745(PBM80)

NETHERLAND ANTILLES:

Curacao Aeradio-PJG
Chief Radio Officer
Curacao Airport
Curacao, (I-VL-1)

Freq: 8837

Government Radio & Telegraph Adm.
Director
Radiotelephone Department
Willemstad, (I-VQSL-2)

Eng/tt

VS- C.J. Mal
Freq: 9900(PJN9), 13393.5, 16350
(PJY6), 19719, 19744(PJN19),
20632.5(PJZ20), 20862.5

NEW AMSTERDAM ISLAND:

Station FJY4
New Amsterdam Island
c/o Adm des Terres Australes Ant-
arctiques Francaises
27 Rue Oudinot
Paris 7^e, France (X)

Freq: CW-8690

NEW CALEDONIA:

Noumea PTT
Station Manager
Direction des Services Radio
Electrique
Centre Noumea PTT
Noumea, (A-VL-1)

Fr/Eng/tt

VS- F. Franchette, Stn Mgr
Freq: 10193(FZM), 10680(FZM6), 14515,
20095(FZN)

French Telecom Service
Le Chef du Centre
Centre Radioelectrique
Noumea, (X)

Freq: 16095

Naval Station FUJ
Republic of France
B.P. 38
Noumea, (X)

NEW ZEALAND:

Director General of Telecom
New Zealand Post Office
Radiotelephone Terminal
Post Office Headquarters
Wellington, (W)

Musical/Eng/tt

Freq: 11590(ZLX25), 14780(ZLX36),
18360(ZLX40), 18770,
20725(ZLX75), 20800(ZLX2),
20835(ZLX70), 22800(ZLX3)

Coastal Radio Station ZLW
Wellington Radio ZLW
General Post Office
Herd Street
Wellington, (W)

Freq: CW- 8702, 13056, 17170.4
Voice- 4409.4, 6515.4, 8770.4,
13168.5, 17293.5, 22709.5

Royal New Zealand Navy Radio
Station ZLP/ZLO
Chief Radio Officer
Royal Naval Base
Irirangi, Waiouru, (N)

Freq: 4277(ZLO2), 6393.5(ZLO3),
12943.5(ZLP2), 17108(ZLO6),
22407(ZLP)

Time Station ZLFS
Physics & Engineering Laboratory
Lower Hutt, (A-VL-1)

Freq: 2500

NICARAGUA:

Ministerio de Defensa Stacion YNA2
Managua, (I-VP-1)

Freq: 4807.5(YNA2)

Tropical Radio & Telegraph Co.
Managua, Nicaragua
c/o Box 130
Hingham, Mass 02043 (A-VQSL-1)

Eng/Sp/tt

VS- Francis Godoy, Stn Mgr
Freq: 5735(YNA57), 7600(YNA3),
10770(YND), 10790(YNA10),
14965(YNA8), 20696

NIGER:

France Cables et Radio
B.P. 616
Niamey, (I-VL-2)
(Use French Report Form)
Fr/tt
Freq: 8120(SUP67), 8140(SUP81),
16055(SUR60)

Niamey Aeradio-5UA
Civil Aviation Department
Niamey International Airport
Niamey (I-VP-2)

Freq: 8820, 13304 (both 2kw)

NIGERIA:

Nigerian External Telecom Ltd.
Newcome House
15 Marina (I-VL-2)
Lagos,
(also via: PO Box 173, Lagos)
Eng/Fr/tt
Freq: 23925(50U239)

Kano Aeradio
Signals Officer
International Airport
Kano, (A-VP-1)

Freq: 8820

NORWAY:

Norway PTT
Direction General des Telecom de
Norvege
Oslo, (X)

NORFOLK ISLAND:

Norfolk Aeradio- VZNF
Officer-in-Charge
Aeradio Station
Norfolk Is., (A-VP-1)

NORTHERN IRELAND:

US Naval Communications Stn KST
USNAVCOMSTA- Londonderry, N. Ireland
FPO New York, NY 09512 (A-VL-1)

VS- Doug C. Coffey
Freq: 2582,4001,4012.5,4529,4535,
4805,5385,5842,5940,6490,
7394,7795,7504.5,8135,8190,
8578,9241,9820.5,10245,
10342,10371,11080,11402.5,
11600,12184,12211.5,12265,
12305.5,13110,14520,14553,
15941.5,16070,16400,17361,
17373.5,17421,18245,19440,
19861,20277.5,22919,23115,
24270

OCEAN STATION D:

Chief Radio Officer 4YD
US Coast Guard Cutter Morganthall
Ocean Station Delta
FPO New York, NY 09501 (X)

Freq: 2182

PACIFIC OCEAN:

(any US Navy Ship in Pacific Ocean)

Leading Radioman
USS (ship's name)
FPO San Francisco, CA 96601 (X)

PAKISTAN:

Pakistan Telephone & Telegraph
Director General
Posts & Telegraph
Rawalpindi, (X)

Eng/tt

Pakistan Telephone & Telegraph
Director General
Posts & Telegraph
Karachi, (X)

Eng/tt
Freq: 20936(ASA4)

PANAMA:

Tropical Radio & Telegraph Co.
Plant Engineer
Apartado 1773
Panama City, (A-VQSL-3)

Eng/Sp/tt
VS- Gregory Nixon
Freq: 3177(HOD52),3295(HPG80),
5145,5280(HPJ),5765(HOD51),
6990(HPC),7505(HPC61),
7872.5(HOD78),9132.5(HPI),
9152(HPG80),10255(HPD),
10670(HPH),13883(HOE3),
17382.5(HPG7),17682.5
(HOD72),20727.5(HOD24)

PARAGUAY:

ANTELCO
Administracion Nacional de Telecom
Casilla 84
Asuncion, (Seldom Answers)

Eng/Sp/tt
Freq: 14450(ZPG44),14793(ZPG47),
16074(ZPJ74),20440(ZPP4),
23415,23808(ZPR38),
25535(ZPP55)

PAPUA:

Overseas Telecom Commission
Station Manager
Radiotelephone Terminal
Port Moresby, (I-VQSL-3)

Freq: 15470(VJ020)

PERU:

All American Cables & Radio Inc.
Casilla 236
Lima, (A-VQSL-3)
Att'n: Chief Radio Supervisor

Sp/Eng/tt
VS- G. Escenjo
Freq: 7640(OCB26),10880(OCB32),
10970(OCB33),12085(OCB34),
12150(OCB74),13700(OCB36),
13380(OCB75),14745(OCB39),
14845(OCB41),15585(OCB43),
16100(OCB77),16150(OCB78),
16345(OCB48),17480(OCB49),
17600(OCB51),18295(OCB54),
18455(OCB55),18585(OCB56),
18680(OCB57),19100(OCB81),
19150(OCB82),20290(OCB59),
20320(OCB61),20340(OCB35),
20470(OCB62),20850(OCB63),
22850(OCB83),22900(OCB59),
23200(OCB61)

Time Station OBC
Estacion Central de Comunicac-
iones Navales (Radio)
Callao, (X)

Freq: 490, 12307

PHILIPPINES:

RCA Global Communications Inc.
Manila, (A-VQSL-2)

Freq: 17242.4(DZG)

USAF Communications Station AIC
Clark Air Force Base
Luzon, Philippines
APO San Francisco, CA 96274(I-VQSL-2)

US Naval Radio Station NPO
Communications Officer
US NAVCOMSTA-Luzon, Philippines
FPO San Francisco, CA 96656(I-VL-2)

Freq: 4005,4045,4445,4585,5090,
5155,5279,5385,5475,5844,
5935,6945,7385,7525,7627,
7725,7945,7995, 8010,9060,
9210,9313,9475,9960,10255,
10520,10700,10780,10900,
11615,12015,12200,12320,
13362,13380,13485,13850,
14395,14715,14949,15525,
15925,16020,16195,17200,
17490,18032.5,18095,18175,
18475,20025,20255,20738.5,
22865,23650

POLAND:

Warsaw Radiotelephone Station
Republique Populaire de Pologne
Ministere des Postes et des Telecom
Warsaw, (A-VQSL-1)

Eng/tt
Freq: 6848(SOG42),10348(SOK23),
13616(SON26),13785(SON27),
13793(SON37),18610(SOT26)

PORTUGAL:

Companhia Portuguesa Radio Marconi
131 Rua de S. Juliao
Lisbon, (A-VL-2)

Musical/tt
Freq: 7805(CUA35),9993.5(CUA51),
10755(CUA56),10899.5,
10905(CUA55),20765(CUA88)

Coastal Station CUL- Lisbon
(same address as CPRM)(A-VL-2)

Freq: CW- 4292,6393.5,8490,12943.5,
16959.2,22479
Voice-(AM or SSB) 4409.4,
8776.8,13154.5,17300.5,
22671

PUERTO RICO:

US Coast Guard Radio Station NMR
Box 2029
San Juan, 00903 (A-VP-1)

Freq: 2678,2706,7530

All American Cables & Radio Inc.
Box 3746
San Juan, 00904 (A-VQSL-1)

Eng/tt
VS- Rafael H. Rochigeoz, C.E.
Freq: 10101.6(WWL20),10106(WWL60),
10222.5(WWL40)

San Juan Aeradio-WWA3
Aeronautical Radio Inc.
Chief of Center Operations
International Airport
San Juan, (A-VP-1)

VS-Henry L. Davies, Chief of
Center Operations
Freq: 8945, 8947.5

US Naval Communications Station
Officer-in-Charge NAU3
Fort Allen, Ponce, 00731 (A-VL-1)

VS- "JPF"
Freq: 4009,9210.5,10620,10695,
11080,11463,12227.5,12247.5,
13572.5,17460,17530,17562,
18535,20910,23500,23700

REUNION:

French Telecom Service
Centre Radioelectrique
B.P. 318
St.- Denis, (A-VL-1)

Fr/tt
VS- C. Kessas
Freq: 10905(FZS9),14834.5(FZS48),
16095(FZS60)

RHODESIA:

Rhodesia Post Office
Ministry of Posts
Controller of Telecommunications
Salisbury, (I-VL-2)

Eng/tt
VS- R. Wilson, Controller of
Telecommunications
Freq: 18690(ZEH)

RWANDA:

Ministry of Communications
Service of Telecommunications
Kigali, (X)

RYUKYU ISLANDS:

Ryukyu Telephone & Telegraph
Public Corp.
Overseas Radiotelephone Service
Naha, Okinawa, (X)
Eng/tt
Freq: 8995(KOU35),18995(KOU95)

US Naval Communications Stn NCN
NAVCOMMSTA- Futema, Ryukyu Islands
FPO Seattle, WA 98772 (I-VL-2)

Freq: 10734, 11593.5, 17571, 19410

US Army Radio Station ADD
Strategic Communications Facility
Naha, Okinawa, (I-VL-2)

Freq: 5434, 5780, 5890, 7640, 7908, 8035,
9460, 9865, 10210, 10362.5,
11615, 13610, 14805, 15905, 15970,
16010.5, 17550, 18490, 19340,
20215, 20420, 20642

USAF Communications Station AID
Kadena Air Force Base
HQ 1962 Communications Group
313 Air Div. APO
APO San Francisco, CA 96239 (I-VP-2)

SAUDI ARABIA:

Saudi Arabian PTT
Kingdom of Saudi Arabia
Ministry of Communications
Posts & Telecommunications
Jeddah, (A-VL-1)

Eng/Arabic/tt

VS-O. Safdar, Acting Tech Dir.
Freq: 7555 (HZP755), 7998 (HZP799),
8155 (HZP815), 9867 (HZP986),
10405 (HZQ40), 10425 (HZQ42),
10965 (HZJ), 11417 (HZQ141),
11594 (HZQ159), 13447 (HZQ344),
13910 (HZQ390), 14537 (HZQ453),
15603 (HZQ560), 15773 (HZQ577),
16097 (HZQ609), 16290 (HZQ629),
18085 (HZQ808), 18365 (HZQ836),
19077 (HZQ907), 19710 (HZQ971),
20335 (HZR33), 20360 (HZR36)

SCOTLAND:

Royal Air Force Station MQY
Fitreavie Castle
Dunferline, Fife, (I-VP-2)

Freq: 6727, 15026

SENEGAL:

France Cables et Radio
B.P. 239
Dakar, (A-VL-2)

VS- Head of Center
Eng/Fr/tt
Freq: 19090 (6VK219), 20327.5 (6VK221)

Le Chef de la Station
Naval Radio Station 6WW
B.P. 302h
Dakar, (X)

Dakar Aeradio
c/o Monsieur Spiteri
B.P. 8108
Dakar, (A-VQSL-2)

Dakar VOLMET
Representation au Senegal
B.P. 8132
Dakar-Yoff
Dakar, (A-VP-1)

VS- Le Chef de Centre
Freq: 6VU- 3495, 6575, 6617, 10073,
11279, 17909
8882 (working freq. only)

Dakar PTT
Direction de l'Office des Postes et
des Telecom du Senegal
COMPTABU
Dakar, (I-VL-2)
(Use French Report Form To All
Of Senegal's Stations)

Freq: 15735 (6VK815), 14807.5 (6VK215)

SIERRA LEONE:

Sierra Leone External Telecom Ltd.
P.O. Box 80
Freetown, (A-VL-2)

Freq: 17655 (9LL82), 23880

SINGAPORE:

Singapore Aeradio
Civil Aeradio Station
Telecom Engineer
Telecommunications Dept.
Singapore Airport
Singapore 19, (A-VP-1)

VS- Lim Toon
Freq: 9VA27- 8871, 8891

Telecommunications Dept.
Director
1st Floor, 35 Robinson Road
Singapore 1, (A-VL-1)

Eng/tt
VS- R.G. Rajasingam
Freq: 8169, 9280, 13126 (9VG23),
15720, 20790, 20910 (9VF232)

Royal Navy Wireless Station Krangl
B.F.P.O. 164
Singapore, (X)

Freq: 4334 (GYS2), 6481 (GYS3),
8630 (GYS4), 12781.5 (GYS5),
17266.4 (GYS6), 22521 (GYS7)
8630 is reradiated by Hong Kong
on 8674 kHz.
12781.5 is reradiated by Hong
Kong on 12934.5 kHz.

SOMALI:

Somali International Telecom Board
Mogadiscio, (X)

Eng/Arabic/tt
Freq: 17993

Coastal Radio Station 6CR
Mogadiscio Radio
Direction des Postes et des Telecom
Mogadiscio, (X)

Freq: CW- 6520, 12948, 17160

SOUTH AFRICA:

International Transmitting Station
Olifantsfontein, (A-VQSL-3)

Africans/Eng/tt

Freq: 5175 (ZUD214), 6770 (ZUD22),
6950 (ZUD21), 7595 (ZUD23),
8095 (ZUD215), 9048 (ZUD73),
9180 (ZUD201), 9267 (ZUD25),
9305 (ZUD208), 10150 (ZUD26),
10350 (ZUD75), 10565 (ZUD76),
13366 (ZUD77), 13730 (ZUD87),
13945 (ZUD45), 14402 (ZUD89),
14585 (ZUD210), 14887 (ZUD42),
15950 (ZUD78), 16215 (ZUD79),
17390 (ZUD32), 18095 (ZUD80),
18290 (ZUD93), 18456 (ZUD81),
18533 (ZUD34), 18890 (ZUD94),
18893 (ZUD82), 20050 (ZUD90),
20320 (ZUD202), 20342 (ZUD83),
20825 (ZUD63), 20850 (ZUD84),
20945 (ZUD85), 21760 (ZUD95),
21836 (ZUD38), 22757 (ZUD86),
22770 (ZUD96), 22819 (ZUD41),
22895 (ZUD97), 23354 (ZUD64),
25040 (ZUD98), 25141 (ZUD79)

Coastal Radio Station ZSC/ZSL/ZSJ
South African Post Office
Capetown, (X)

Freq: CW- (ZSC) 4317, 6379.5, 8686,
8718, 12700, 12709, 17164.75
SSB- (ZSC) 4377.4, 8744.8,
13168.5, 17307.5, 22664
AM- (ZSC) 2163, 2182, 2761
CW- (ZSJ) 4283, 6386.5, 8566,
12849, 17132
CW- (ZSL) 3741.5, 6467, 8502,
12772.5, 17228

Time Station ZUO
Republic Observatory
Johannesburg, (I-VL-3)

Freq: 5000 (Olifantsfontein)
10000 (Johannesburg)

SOUTH ORKNEY ISLANDS:

Antarctica Radio LOK
Commander-in-Chief
Argentine Navy
South Orkney Is. (X)

Freq: 3023.5, 4490, 12305 (all CW)
4490 (Voice) (all freq. are 1kw)

SOUTH VIETNAM:

Saigon PTT
Direction Generale des Postes et
Telecom du Vietnam
Saigon, (X)
Freq: 13554 (XV84)

SPAIN:

US Naval Communications Stn AOK
LPO Receiver Site
Box 24 Div 240
NAVCOMMSTA-Moron Air Base, Spain
FPO New York, NY 09540 (I-VQSL-2)

Eng/tt

VS- RM1 Roger D. Witherow
Freq: 3326.5, 4541, 4775, 5052, 5458,
5785, 5917.5, 7362, 7705, 7980,
9265, 9405, 9777.5, 9875,
10483.5, 10609.5, 10610,
11532.5, 11580, 12015, 12141,
12165, 12184, 12230, 13415,
13680, 13775, 14517, 14630,
14952.5, 15590, 15664,
15785, 16020, 16185, 16237,
16265, 17395, 17585, 17683,
17690, 18124, 18522, 18548.5,
19019, 19016, 19845, 20025,
20160, 20250, 20264, 20470,
20624, 20725, 22805.5, 22919,
23115, 24130, 24810, 25408.5

USAF Communications Station ACE40
Officer-in-Charge
Moron Air Force Base
APO New York, NY 09282 (I-VL-2)

Freq: 5018, 5071, 5217, 5315, 5329.5,
7330, 7411, 7448.5, 7554, 7832.5,
8143, 9119, 9234, 9357, 10104,
10315, 10415, 10987.5, 11093,
11126, 11445, 11681, 12326,
13600, 13810, 14430, 15480,
16216, 17668, 18390, 19285,
19465

Compañia Telefonos Nacional España
Departamento de Ingenieria
Madrid 12, (I-VQSL-2)

Musical/tt

Freq: 10120 (EHY44), 11020 (EHY34),
19030 (EHY25), 20960 (EAW209)
Transmitter located at Pozuelo
Del Rey

Coastal Radio Station EAD
Aranjuez, Spain
c/o Transradio Espanola S.A.
Alcala 45
Madrid, (X)

Coastal Radio Station EDZ
Vallecas Radio
Compania Internacional de Radio
Espanola, S.A.
Ave. de Jose Antonio 39
Madrid, (X)

Freq: 6400.5, 8618, 12934.5,
17064.8, 22533

Coastal Station EAH - Vigo Radio
La Direccion Generalde Correos y
Telecom
Madrid, (X)
Freq: 6498.5, 8473, 12691, 16942.8

ST. PIERRE ISLAND:

France Cables et Radio
Le Chef de Centre- Gus Rablot
P.O. Box 398
St. Pierre Is. (X)

Freq: 16355.5(TUX63)

ST. HELENA ISLAND:

Cable & Wireless Limited
Station Manager
St. Helena Is. (W)

Freq: 11092

SURINAM:

Lands Telegraf en Telefoondienst
Box 1839
Paramaribo, (A-VQSL-1)

Eng/tt

VS- S.A. Soeperman
Freq: 13046(PZN4), 14840(PZA78),
17676(PZB48), 18415(PZA79),
19230(PZB53), 20605(PZB49),
23390(PZD23)

SWEDEN:

Swedish Telecom Administration
S-123
86 Farsta, (A-VQSL-1)

Eng/tt

VS- "R.Z."
Freq: 16052.5(SDQ61), 18295(SDQ8),
20392.5(SDV101), 22930(SDU11)

Coastal Radio Station SAG

Goteborg Radio
S-430 34
Onsala, (A-VQSL-1)

Freq: CW-4262, 6372.5, 8498, 12880.5,
17079.2, 22413, 25011
AM-4377.4, 4415.8, 5727.5,
8744.8, 8783.2, 11120, 13126.5,
13161.5, 17272.5, 17307.5,
22643, 22678

SWITZERLAND:

Swiss Telephone & Telegraph Adm.
Direction General des PTT
Speichergasse 6
Berne, (W)

Multi-Language/tt

Freq: 19565(HEK6), 19585(HEO8),
19610(HET7), 19825(HBE89),
23420(HEO22)

Time Station HEG

Neuchatel Observatory
2000 Neuchatel, (X)

Freq: 75 kHz.

Coastal Radio Station HEP
(same address as Swiss T & T Adm)
(W)

Freq: CW- 4259, 8601.5, 13023.8,
17196.8
SSB- 4431.8, 8799.2, 13179,
17342.5, 22716.5

SUDAN:

Ministry Of Communications
Post & Telegraph Department
Khartoum, (X)

Freq: 20800(STL66)

SYRIA:

Posts & Telecom Establishment
Director General
Damascus, (I-VL-2)

Arabic/Eng/tt

Freq: 7866

TAHITI (FRENCH POLYNESIA):

Tahiti Radio
Tahiti IFSS
International Airport
Papeete, (A-VP-1)
(Must Report in French)
VS- A. Mahe
Freq: 8845.5

French Telecom Service
Radio Control Terminal
B.P. 89
Papeete, (I-VP-3)

Fr/Eng/tt

Freq: 4928(FZ099), 9928(FZ099),
11665(FZP6), 19305(FZP93)
23912.5(FZQ39), 24770(FZQ47)

Centre des Communications Radio-
Electriques
Le Chef de Centre
Service des Telecommunications
Papeete, (X)

Coastal Station (FJA, Mahina Radio)
Direction de l'Office des Postes et
Telecom de la Polynesie Francaise
OPIPOSTEL
Papeete, (X)

Freq: CW-(FJA) 4298, 8461, 17040.8
AM-(Mahina Radio) 2182,
2620, 4390.2, 8780

TAIWAN:

Chinese Government Radio Adm.
Directorate General of Telecom
No. 1826 Chung Cheng Road
Taipei, (I-VL-1)

Eng/tt

Freq: 13645(BC094), 14985(BCQ94)

US Army Radio Station ADH
US Army Strategic Communications
Facility
Taipei, (I-VP-2)

Freq: 3690, 3740, 4840, 8185, 8194,
11630, 12130, 12270, 12290,
12302.5, 14957.5, 16390

TANZANIA:

East African External Telecom Co.
P.O. Box 22
Dar-es-Salaam, (I-VL-2)

Freq: 20020(5HF95)

THAILAND:

US Army Radio Station ADL
Strategic Communications Command
USASTRATCOM Facility-Bangkok, Thailand
APO San Francisco, CA 96346 (I-VP-2)

Freq: 20307.5

Bangkok Aeradio
Aeronautical Radio of Siam Ltd.
Bangkok, (X)

Post & Telegraph Department
Bangkok, (X)

TOGO:

France Cables et Radio
Centre de Lomé
B.P. 1166
Lomé, (I-VL-2)

Eng/Fr/tt

VS- P. Tynen, Le Chef de Centre
Freq: 7940(5VH79), 23785(5VH437)

PTT
Direction des Postes & Telecom
Lomé, (X)

Freq: 7940(5VF27)

Lomé Aeradio
Civil Aviation Authority
International Airport
Lomé, (X)

Freq: 13304.5

TRINIDAD:

Trinidad & Tobago External Telecom Co.
Port-of-Spain, (N)

Freq: 18075(9YD85)

Cable & Wireless Limited
Station Manager
Port-of-Spain, (W)

Freq: 14975(9YD69)

Piarco Aeradio
Chief Communications Officer
Piarco Aerodrome
International Airport
Port-of-Spain, (A-VP-1)

Freq: 8837(9YC)

Radiobeacon POS
Officer-in-Charge
International Aeradio(Caribbean)
Limited
Piarco Airport
Piarco, (I-VP-2)

Freq: 382 kHz.

TUNISIA:

APTT-Tunis
Secretariat d'Etat des Postes,
Telegraphes et Telephones
Tunis, (I-VQSL-1)

Freq: 11474(3VV21)

Coastal Station 3VP
La Skhira Radio
(same address as APTT) (I-VQSL-1)

VS- Robert Pedrossa
Freq: 4251, 8534, 12806

TURKEY:

Ankara PTT
Direction Generale des Postes,
Telegraphes et Telephones
Ankara, (X)

Coastal Station TAH-Istanbul Radio
(same address as PTT) (X)

Freq: CW- 4253, 6491.5, 8662,
12736.5, 17021.6

TURKS ISLAND:

Cable & Wireless W.I. Limited
Station Manager
Mercury House
Grand Turk Island
Turks Is. (W)

Freq: 8000(VSI6), 9442(VSI42),
16040

UPPER VOLTA:

France Cables et Radio
B.P. 543
Ouagadougou, (I-VP-3)

Eng/Fr/tt

Freq: 5813(XTA53), 11095(XTA9),
18089.3(XTA80), 19665
(XTA96)
(Use French Report Form)

UNITED STATES:

Radio Station AAC55
Civil Defense Headquarters
Hagerstown, MD (X)

US Army Radio Station AAG
Officer-in-Charge
Box 365
Davis, CA (X)

Radio Station AAG61
US Army Strategic Comm Command
11th Signal Group
Signal Officer
Ft. Huachuca, AR 85613 (N)

Freq: 17460 (Code Name: Civil Genius)

US Army Radio Station AAJ
US Army Strategic Comm Command
Ft. Leavenworth, KAN 66027 (A-VL-1)

VS- Dan O'Brian
Freq: 11060, 13820

USAF Communications Station AFA
2045 Communications Group (DOT)
Andrews AFB, MD 20331 (A-VQSL-1)

VS- Elmer H. Lefave, CMSgt USAF
Freq: 8160, 9023, 10690, 11249, 13201,
13247, 15015, 16140, 17972, 17993,
18027

USAF Communications Station AFC24
Chief Radio Officer
Westover Air Force Base
Chicopee Falls, MA 01022 (X)

Freq: 4493.5, 6871.5, 7331.5, 11122.5,
14717.5, 14955, 20631

USAF Communications Station AFE70
Officer-in-Charge
Patrick Air Force Base
Cocoa, FLA 32925 (X)

USAF Communications Station AFF24
Chief Radio Officer
Kelly Air Force Base
San Antonio, TX (X)

Freq: 18155, 20873, 20994

USAF Communications Station AFF36
Central Communications Region (AFCS)
Chief Radio Officer
Tinker Air Force Base
Oklahoma City, OKLA 73145 (X)

USAF Communications Station AFG37
Chief Radio Officer
Scott Air Force Base
Belleville, ILL 62225 (X)

Freq: 3078, 6727, 9018, 11233

USAF Communications Station AFH
Western Communications Region (AFCS)
Hamilton Air Force Base
San Rafael, CA 94935 (X)

USAF Communications Station AFH39
Chief Radio Officer
March Air Force Base
Riverside, CA 92508 (X)

Freq: 5021.5, 5110, 8102.5, 14717.5,
14955, 20631, 20890

USAF Communications Station API
Officer-in-Charge
McClellan Air Force Base
Sacramento, CA 95652 (X)

Freq: 3137, 4746, 6738, 6731, 8989,
11176, 13201

USAF Communications Station AGD
Officer-in-Charge
Vandenberg Air Force Base
Lompoc, CA 93436 (X)

Experimental Station KB2XBQ
Hudson Laboratories
Sterling Forest, NY (X)

Freq: CW- 2412, 4025, 4825, 6030

Experimental Radio Station KB2XYO
Hy-Gain Electronics Corp.
P.O. Box 5407
Lincoln, NEB 68505 (X)

Freq: 2232, 8000, 21357

Experimental Radio Station KC2XIO
Freq.- Time Broadcast Services
Section
Time & Frequency Division
National Bureau of Standards
Boulder, CO 80302 (A-VP-1)

Freq: 13850

Coastal Station KFS - Palo Alto
ITT World Communications Inc.
P.O. Box 56
Half Moon Bay, CA 94019 (A-VP-1)

Freq: 4274, 4358, 6365.5, 6516, 8558,
8714, 12844.5, 13114.5, 17026,
17184.8, 22425, 22515

Coastal Radio Station KLB
ITT World Communications Inc.
Route 1
Maryville, WA (A-VP-1)

Freq: 4349, 6411, 8582, 12907.5,
17007.5, 22539

Marine Operator Station KLH
Senior Engineer
Pacific Telephone Co.
San Francisco, CA (A-VP-1)

Freq: 2450, 2506

ATT Coastal Radio Station KMI
Operations Manager
1587 Franklin Street, Room 2514
Oakland, CA 94612 (A-VQSL-1)

VS- E.A. Wright
Freq: (most common) 4377.4, 8754.4,
13161.5, 17321.5, 17342.5
22695.5

Marine Operator Station KOE
Station Manager
Pacific Telephone Company
Eureka, CA (A-VP-1)

Freq: 2450, 2506

Coastal Radio Station KOK
ITT World Radio Communications Inc.
606 South Olive
Los Angeles, CA (A-VP-1)

Freq: 4283, 6463.5, 8590, 12993,
17064.8, 22413

Los Angeles Marine Operator Station KOU
Pacific Telephone Company
P.O. Box 5868
Los Angeles, CA 90055 (A-VP-1)

Freq: 2466, 2522, 2566, 2598

Station KPH
RCA Global Communications Inc.
135 Market Street
San Francisco, CA (A-VQSL-1)

Freq: 4247, 6477.5, 6488, 8618, 12808.5,
13002, 17016.8, 17088.8, 22479,
22557 (all CW)

Marine Radio Operator Station KQP
Senior Engineer
Southwestern Bell Telephone Co.
3100 Main, Room 904
Houston, TX 77002 (A-VP-1)

Freq: 2450, 2530

Experimental Station KW2XBP
University of Alaska
Fletcher's Ice Island
c/o University of Alaska
College, ALAS (X)

Freq: CW-13999.5, Voice-14001

US Naval Communications Station NAD
Officer-in-Charge
Boston Naval Base
Boston, MA (X)

US Naval Communications Station NAM
Officer-in-Charge
Norfolk Naval Base
Norfolk, VA 23349 (X)

US Naval Communications Stn NAO
Officer-in-Charge
Charleston Naval Base
Charleston, SC (X)

US Naval Communications Stn NBL
Officer-in-Charge
New London Naval Submarine Base
New London, CONN 06320 (X)

US Coast Guard Radio Station NCH
P.O. Box 38
Pt. Isabel, TX 78578 (A-VP-1)

US Naval Communications Stn NGP
Corpus Christi Naval Air Station
Corpus Christi, TX 78419 (X)

US Naval Communications Stn NGZ
Alameda Naval Air Station
Alameda, CA 94501 (X)

US Coast Guard Radio Station NMB
196 Tradd Street
Charleston, SC 29401 (A-VL-1)

US Coast Guard Radio Station NMF
1240 South River Street
Marshfield, MA 02050 (A-VL-1)

VS- Samuel Braun

US Coast Guard Radio Station NMG
P.O. Box 6009
New Orleans, LA 70114 (A-VQSL-1)

Freq: 2670, 8710

US Coast Guard Radio Station NML
Second District
1520 Market Street
St. Louis, MO 63103 (A-VP-1)

US Coast Guard Radio Station NOK
Chief Radio Operator
Key West, FLA 33040 (A-VP-1)

US Coast Guard Mobile Base Radio-
P.O. Box 1788 NOQ
Mobile, ALA 36601 (A-VP-1)

VS- W.C. Mintz

US Coast Guard Radio Station NOY
General Delivery
Galveston, TX 77550 (A-VP-1)

Freq: 2670

US Naval Communications Stn (T)NPG
Officer-in-Charge: Transmitter
Route 2 Facility
Box 1000
Dixon, CA 95620 (A-VQSL-1)

VS- D.L. Mayeau, Transmitter Deck
Chief
Freq: CW- 3268,4010,6428.5,9277.5,
12966,16950,17288

US Naval Communications Stn NPL
Chief Radio Officer
San Diego Naval Base
San Diego, CA 92130 (X)

US Naval Communications Stn NSS
Officer-in-Charge
Annapolis, MD (I-VL-2)

Freq: CW- 5870,8090,12135,16180,20225,
25590
Voice- 10290,11665

Marine Operator Station WAD
Lorain Electronics Corp.
S-149 Lake Shore Road
Grafton, WI 53024 (A-VP-1)

Freq: 2182,2514,2550,2582,4422.2,
4434.9,8799.2

Station WAR
Deputy for Operations
Dept. of the Army
Strategic Communications Command
4200 Silver Hill Road (Stop 331)
Washington, DC 20315 (A-VQSL-1)

Freq: 10687.5,14405

Marine Operator Station WAY
Illinois Bell Telephone Co.
Lake Bluff, ILL 60044 (A-VP-1)

Freq: AM- 2782,4072.4,4377.4,6204,
6455,8210.8
SSB- 2514,2550,2582,4422.2,
4434.9,8799.2

Marine Radio Station WBL
Great Lakes Marine Radio Inc.
P.O. Box 473
N. Tonawanda, NY 14120 (A-VL-1)

Freq: 2514, 2550,2582,4422.2,4434.9,
8799.2

RCA Global Communications Inc.
Coastal Radio Station WCC
Catham Radio
P.O. Box 397
N. Catham, MA 02650 (A-VL-1)

VS- E.G. Hammens, Mgr
Freq: 4367,6376,8586,8630,12925.5,
12961.5,13033.5,16973.6,
17271.2,22599,22617

Marine Operator Station WDR
c/o Southern Bell Telephone Co.
Miami, FLA (A-VP-1)

Freq: 2490, 2514

Coastal Harbor Radio Station WEH
Diamond State Telephone
901 Tatnall Street
Wilmington, DEL (A-VQSL-1)

Freq: 2558

Marine Operator Station WLC
Mobile Marine Radio Inc.
P.O. Box 747
Mobile, ALA 33601 (A-VP-1)

Freq: 6446,8714,13123.5,17172.4
(all CW). 2430 2572(all AM)

Marine Radiotelephone Station WMI
2307 Leavitt Road
Lorain, OH 44052 (A-VQSL-1)

Freq: 2182,2514,2550,2582,4422.2,
4434.9,8799.2

New York Radio WNY
c/o RCA Communications Inc.
66 Broad Street
New York, NY 10004 (X)

Freq: 2051,4367,6519.5,13060.5

Station WOE
RCA Communications Inc.
Rural Route 2, Box 133
Lake Worth, FLA 33460 (A-VQSL-1)

Freq: 6411,8486,12970.5,17160.8

ATT Coastal Station WOM
1350 N.W. 40th Avenue
Operation Manager
Pt. Lauderdale, FLA 33313 (A-VQSL-1)

VS- L.T. Weber
Freq: 4428.6,8789.7,13151.2
13154.5,17342.5,17339.2
22695.5,22692.2

ATT Coastal Station WOO
P.O. Box 558, Beach Ave.
Operations Manager
Manahawkin, NJ 08050 (A-VQSL-1)

VS- Arnold P. Young
Freq: 8773.6,8808.8,13161.5,
13123.2,17321.5, 17353.2,
22681.5,22713.2

New York Marine Operator- WOX
c/o New York Telephone Co.
140 West Street
New York, NY 10007 (X)

Freq: 2482,2522,2590

Marine Radio Station WPD
Station Manager
Foot of McKay (City Docks)
Tampa, FLA 33600 (A-VP-1)

Freq: 4274,6446,8742,13051.5,
17170.4

Station WSC
RCA Global Communications Inc.
P.O. Box 34
West Creek, NJ 08092 (A-VL-1)

Freq: 2054,4331,6502,8610, 8686,
12745.5,12948,17093.6,17242.4,
22503,22521

Jacksonville Radio WSE
c/o S & S Radio
1901 East Bay Street
Jacksonville, FLA (X)

Freq: 8722,13078.5,17170.4

Station WWD
Bureau of Commercial Fisheries
La Jolla, CA 92037 (A-VP-1)

Station WWI
Environmental Science Services Adm.
ESSA
Long Beach, ILL (X)

Freq: CW- 8900, 11100

Radio Station WWV
Chief Engineer
Box 83-E, Route 2
Ft. Collins, COL 80521 (A-VQSL-1)

Freq: 2500,5000,10000,15000
20000,25000

Atlantic Chief Radio
Commander Manned Spacecraft Recovery
Force, Atlantic
Building SP-71
US Naval Air Station
Norfolk, VA 23511 (X)

NASA Houston (Spaceflight Command)
NASA Manned Spacecraft Center
Landing & Recovery Division
2101 Webster-Seabrook Road
Houston, TX 77058 (Seldom Answers)

NASCOM Communications Director
NASCOM Control Center
Building 14
Goddard Spaceflight Center
Greenbelt, MD 20771 (X)

RCA Global Communications Inc.
66 Broad Street
New York, NY 10004 (A-VQSL-1)

VS- A.V. Sulkowski

Tropical Radio Telegraph Co.
P.O. Box 130
Hingham, MA 02043 (A-VQSL-1)

TRT manager suggests that all reports
to TRT stations be sent directly
to the stations involved so that they
can be accurately checked against the
station's log, otherwise you will
receive an acknowledgement card and

not a true verification.

Voice of America
Frequency Division
US Information Agency
Washington, DC 20547 (A-VL-1)

Freq: (Greenville) 6973,7651,
10454,14526,15752,18275,
19261.5,19721
(Dixon) 14526
(Delano) 14526

URUGUAY:

Coastal Station (All in Uruguay)
Servicio de Transmisiones
Sarandi 472
Montevideo, (X)

Direccion General de Telecom
Division de los Servicios de
Radiocomunicaciones
Montevideo, (N)

Sp/tt

U.S.S.R.:

Moscow Radiotelephone Station
Ministere des Communications,
Posts et Electrique
Direction des Telecom Inter-
national
Moscow, (N)

Eng/tt

Freq: 13670(RVW52),13710(RXU),
15440(ROW23),16215(RCP47),
16325(RKI),17520(RKC),
18170(RIF33)

The USSR Ministry of Communicat-
7 Gorky Street ions
Moscow, (N)

Freq: Time Stations-
Moscow-(RES) 100,(RAT2)
5000,(RNM)10000 & 15000
Tashkent-(RCH) 2500,
(RIM) 5000,10000
Irkutsk-(RID) 10004 & 15004
Novosibirsk- 4996,9996,
14996

RID IDs every 10 minutes as
follows "VVV CQ CQ DE RID RID"
Time: 2300-2000 GMT

RKM IDs as follows: "VVV CQ CQ
CQ CQ DE RKM RKM RKM"
Time: 1100-1300 GMT

VENEZUELA:

Time Station YVTO
Observatorio Cayigal
La Planicie
Caracas, (X)

Freq: 6100

CANTV
Compania Anonima Nacional de Telefonos
Apartado 1226
Caracas, (I-VQSL-3)

Eng/Sp/tt
VS- Ingacio Alcides Guzman - Dept.
de Telefonos
Freq: 8947, 9865(YVR13), 11085(4MV3),
13860(4MF4), 13890(YVV2), 13892.2
(YVR), 14385(YVQ9), 14700(YVF9),
15575(4MJ4), 17670(YVT7), 17695
(YVO22), 18295(YVT8), 18298(YVL6),
18952.5(YVQ25), 20677.5(YVR23)

Coastal Radio Station YVG/YVQ
La Guaira Radio
Direccion de Telecom
Caracas, (X)

VIRGIN ISLANDS:

Marine Operator Station WAH
St. Thomas Radio
Virgin Isles Communications
Box 2326
St. Thomas, (X)

Freq: AM- 2182, 2506

WAKE ISLAND:

Wake IFSS
Wake Aeradio
F.A.A.
P.O. Box 127
Wake Is. 96930 (A-VP-1)

VS- James Parr

Freq: KEA20- 3216, 4605, 5085, 5945,
6895, 8088, 5, 8862.5, 9122,
9840, 13624.5

YEMEN:

Yemen FTT
Administration des FTT
Director
San'a Ta'izz, (X)

Freq: 7400(4WB), 12132.5(4WA)

YUGOSLAVIA:

Communaute des Postes, Telegraphs,
et Telephones
Belgrade, (A-VL-2)

Eng/Serbian/tt or Eng/tt
VS- V. Rankovic
Freq: 10780(YTK), 18542(YTB2),
20480(YTR7)

Coastal Radio Station YUZ
Rijeka Radio, Rijeka, Yugoslavia
Director of Communications
Communaute des Postes, Telegraphs,
et Telephones
Belgrade, (X)

Freq: 4346, 8700, 8714, 12780,
12907.5

ZAMBIA:

General Post Office
Telecommunications Division
Post Office Headquarters
Ndola, (I-VP-1)

Freq: 19986(9JA9), 20261(9JA27)

MILITARY CALL SIGN LIST

AAA	FT MONROE VA	AAF62	CP CARSON COLO	AFC2	BANGOR ME
AAB	FT WASWRTH NY	ABA	FT SHAFTER	AFC4	CHICOPEE F MAS
AAB	GOVERNORS I	ABA	HELAMANO	AFC8	BERMUDA
AAB2	NEW YORK NY	ABA	HONOLULU	AFC9	LIMESTONE ME
AAB8	BROOKLYN NY	ABA2	FT SHAFTER	AFC11	KEARNEY NEB
AAB20	BROOKLYN NY	ABA20	MAUNA KAPU	AFC12	FALMOUTH MASS
AAB25	W POINT NY	ABA21	KCKOLE PT	AFC24	CHICOPEE F MASS
AAB30	BOSTON MASS	ABA22	HEEL PT	AFC26	ROME NY
AAB34	FT DIX NJ	ACA	FT SHAFTER	AFC27	NEWBURG NY
AAB35	FT MOMMOUTH NJ	ACA	QUARRY HEIGHTS	AFC29	BOSTON MASS
AAB41	FT DEVENS MASS	ACA2	QUARRY HEIGHTS	AFC33	BERMUDA
AAB51	FT DEVENS MASS	ACA50	FT KOBBE	AFD	HAMPTON VA
AAB80	FT LEWIS WASH	ACD2-3	BALBOA	AFD4	CP SPRINGS MD
AAB95	NEW YORK NY	ACE	S JUAN	AFD5	WASHINGTON DC
AAB210	BROOKLYN NY	ACE3	S JUAN	AFD6	HAMPTON VA
AAB217	FT WADSWRTH	ACE201	FT BROOKE	AFD10	COCOA FLA
AAC	FT MEADE MD	ACZ	JOHNSTON I	AFD14	ASCENSION I
AAC5	LA CARNE OHIO	AD880	SEOUL	AFD31	DAYTON OH
AAC30	FT MACARTHUR CL	ADA	TAIPEI	AFE	WARNEROBINS GA
AAC45	A P HILL VA	ADA	TOKYO	AFE3	ORLANDO FLA
AAC61	FT KNOX KY	ADB	YOKOHAMA	AFE4	FT BRAGG NC
AAD	FT MCPHERSN GA	ADB33	KURE	AFE5	SUINTER SC
AAD20	FT BENNING GA	ADC	CLARK AFB	AFE6	SMYRNA TENN
AAD21	CP GORDON GA	ADC	MANILA	AFE7	VALPARAISO FLA
AAD23	FT GORDON GA	ADC	MANILA CLARK	AFE8	TAMPA FLA
AAD29	FT BRAGG NC	ADC20	CAMP O'DONNELL	AFE13	W PALM BCH FLA
AAD30	FT BRAGG NC	ADC21	ARAKARESAN	AFE14	GREENVILLE SC
AAD41	FT DEVENS MASS	ADC22	PONAPE	AFE29	SUMTER SC
AAD50	FT CAMPBELL TEN	ADD	OKINAWA	AFE30	SMYRNA TENN
AAD58	FT CAMPBELL KY	ADD2	OKINAWA	AFE34	TAMPA FLA
AAD80	FT MCPHERSN GA	ADE2	GUAM	AFE35	TALLAHASSEE FL
AAE	FT SAMHOUST TX	ADE21	SAIPAN	AFE36	MOBILE ALA
AAE	S ANTONIO TEX	ADF	SEDAI	AFE45	BILOXI TX
AAE2	NEW ORLEANS LA	ADG	SEOUL	AFE48	GREENVILLE SC
AAE50	FT SILL OKLA	ADG20	BUSAN	AFE70	COCOA FLA
AAE60	ALBUQUERQUE NM	ADG41	BUSAN	AFE71	MALABA FLA
AAE90	FT BLISS TX	ADH	TAIPEI	AFE72	JUPITER FLA
AAE220	TEXARKANA TEX	ADJ	SEOUL	AFE73	GR BAHAMA
AAE600	ALBUQUERQUE NM	ADK	SAIGON	AFE75	S ALVADOR
AAF	CHICAGO ILL	ADL	BANGKOK	AFE77	GR TURK I
AAF2	FT SHERIDAN IL	ADO	OKINAWA	AFE77	TURKS I
AAF27	ROCK I ILL	ADO	HEIDELBERG	AFE83	ASCENSION I
AAF28	DECATUR ILL	AEA	HEIDELBERG	AFE85	FERNAN NORONH
AAF40	FT RILEY KAN	AEA	MUENCHEN	AFE86	ANTIGUA
AAF62	CP CARSON COLO	AEA	FIRMASENS	AFE87	TRINIDAD
AAF86	CP MCCOY WIS	AEA20	LANDSTUHL	AFE89	MAHE
AAG	S FRANCISCO CL	AEB	FRANKFURTMAIN	AFF	CHICAGO ILL
AAG2	S FRANCISCO CL	AEC	BERLIN	AFF2	FT WORTH TX
AAG4	FT ORD CAL	AED	LIVORNO	AFF3	S ANTONIO TX
AAG30	FT MACARTHUR CL	AED22	LIVORNO	AFF4	AUSTIN TEX
AAG32	CP ROBERTS CAL	AED25-25	VERONA	AFF6	EL PASO TEX
AAG41	S FRANCISCO CL	AEP	ATHINAI	AFF7	ROSWELL NM
AAG50	FT ORD CAL	AEG	BREMERHAVEN	AFF11	TUCSON ARIZ
AAG61	FT HUACHUC ARI	AEH	DHAHRAN	AFF13	SHREVEPORT LA
AAG90	FT DOUGLAS UT	AEO	ORLEANS	AFF15	WACO TEX
AAG720	BOULDER CY NEV	AEP	ORLEANS	AFF24	S ANTONIO TEX
AAH	SEATTLE WASH	AERS	CHUNCHEON	AFF25	S ANTONIO TEX
AAH2	SEATTLE WASH	AEZ	ASMARA	AFF28	S ANGELO TEX
AAH21	SEATTLE WASH	AZ7	ASMARA	AFF31	ALAMOGORDO NM
AAH62	CP CARSON COLO	AZ10	TEHERAN	AFF33	DALLAS TEX
AAH80	FT LEWIS WASH	AFA	ANCHORAGE	AFF36	OKLAHOMA OKLA
AAH90	FT BLISS TEX	AFA	DAVIDSONVIL MD	AFF38	ALBUQUERQUE NM
AAI	PAYETTEVIL NC	AFA3	CP SPRINGS MD	AFF41	SHREVEPORT LA
AAJ	FT LEAVENW KAN	APC	NEW YORK NY	AFF43	TUCSON ARIZ

CABLE & WIRELESS - WEST INDIES

GEORGETOWN

GUYANA

CONFIRMATION OF RECEPTION:

Date 3rd May 1970 GMT 0600 FREQUENCY 10528 kHz
POWER 3.5kW PEP BEAM 350° T ANTENNA Cable Dipole

REMARKS:

*Trx & rpt OM. This seg
is Eng Back up to
Barbados & Trinidad.*



APF50 ALTUS OKLA
 AFG MT CLEMENS MCH
 AFG2 MT CLEMENS MCH
 AFG4 OMAHA NEB
 AFG5 RAPID CITY SD
 AFG11 KEARNEY NEB
 AFG28 MINNEAPOLIS MIN
 AFG31 CHEYENNE WYO
 AFG32 DENVER COL
 AFG34 BELTON MO
 AFG37 BELLEVILLE ILL
 AFG38 OMAHA NEB
 AFG40 COL SP COL
 AFG42 LINCOLN NEB
 AFH S RAFAEL CAL
 AFH2 S RAFAEL CAL
 AFH3 TACOMA WASH
 AFH4 SPOKANE WASH
 AFH8 GT FALLS MONT
 AFH9 RIVERSIDE CAL
 AFH15 FAIRFIELD CAL
 AFH17 S BERNARDIN CL
 AFH18 RENO NEV
 AFH19 MOSES L WASH
 AFH21 MOFFET FLD CAL
 AFH22 TACOMA WASH
 AFH26 GT FALLS MONT
 AFH29 SACRAMENTO CAL
 AFH30 SAN FRANCISCO CL
 AFH34 INDIAN SPR NEV
 AFH36 MURC CAL
 AFH38 S BERNARDIN CAL
 AFH39 RIVERSIDE CAL
 AFH SACRAMENTO CAL
 AF12 SACRAMENTO CAL
 AFJ BERMUDA
 AFJ2 BERMUDA
 AFK COL SP COL
 AFL PRESQUE I ME
 AFL2 LIMESTONE ME
 AFN STRAUBING
 AFO50 BRANDYWINE MD
 AFO51 PETERSNFLD COL
 AFU2 CHARLESTON SC
 AFW40 PORTLAND ORE
 AFX SHREVEPORT LA
 AFX3 GENE AUTRY OKL
 AFX30 GENE AUTRY OKL
 AGA HONOLULU
 AGA2 HONOLULU
 AGB JOHNSTON I
 AGB MIDWAY I
 AGB2 JOHNSTON I
 AGC KWAJALEIN
 AGC2 KWAJALEIN
 AGD LOMPOC CAL
 AGD5 LOMPOC CAL
 AGD20 HONOLULU
 AGD25 HONOLULU
 AGD30 ENIWETOK
 AGD35 ENIWETOK
 AGI HONOLULU
 AHA2 BALBOA
 AHA20 BALBOA
 AHD AGUADILLA
 AHD2 AGUADILLA
 AHD201 AGUADILLA
 AHF BALBOA
 AHF2 BALBOA
 AI4 OKINAWA

AIA TOKYO
 AIA8 MIDWAY I
 AIA20 TACHIKAWA
 AIA23 ASHIYA HYOGO
 AIA77 IWAKUNI
 AIC MANILA
 AIC LUZON
 AIC2 LUZON
 AIC20 MANILA
 AIC30 MANILA
 AIC31 TAIPEI
 AID OKINAWA
 AID2 OKINAWA
 AID20 OKINAWA
 AID30 NAHA
 AIE GUAM
 AIE2-3 GUAM
 AIE3 NO GUAM
 AIE20 GUAM
 AIEI GUAM
 AIF TOKYO
 AIF2 TOKYO
 AIF4 MISAWA
 AIF5 ITAZUKE
 AIF8 TOKYO
 AIF20 TOKYO
 AIF40 MISAWA
 AIF50 ITAZUKE
 AIF80 YOKOTA
 AIG OKINAWA
 AIG2 OKINAWA
 AIH2 GUAM
 AIH3 IWO JIMA VOL
 AIN WAINWRIGHT
 AIR WASHINGTON DC
 AJ5AC WHEELUS FIELD
 AJA WIESBADEN
 AJB SIEGELBACH
 AJE30 KEFLAVIK
 AJF BREMERHAVEN
 AJF RHEIN MAIN
 AJF7 RHEIN MAIN
 AJF25 BITBURG
 AJF35 HAHN
 AJF35 LAUTZENHAUSER
 AJF40 SEMBACH
 AJF45 SPANGDAHLEM
 AJF70 FRANKFURT
 AJF70 FRANKFURTMAIN
 AJG8 DHAHRAN
 AJG32 IRAKLION
 AJG60 ATHINAI
 AJG70 ANKARA
 AJG72 TRABZON
 AJG74 SAMSUN
 AJG75 IZMIR
 AJH2 SIDI SLIMANE
 AJH20 NOUACEUR
 AJH21 SIDI SLIMANE
 AJH25 BENGUERIR
 AJI SIDI SLIMANE
 AJI2 SIDI SLIMANE
 AJJ35 TOUL ROSIERES
 AJJ40 CHAUMONT
 AJJ45 ETAIN
 AJJ50 PHALSBOURG
 AJJ55 FAUVILLE
 AJK RAMSTEINFRANK
 AJK30 ROMA
 AJK33 AVIANO

AJL2 DHAHRAN
 AJN KWAJALEIN
 AJN1 WAKE I
 AJN2 ENIWETOK
 AJN3 OAHU I
 AJN4 PLEASANTON CAL
 AJO ADANA
 AJO23 ISTANBUL
 AJO29 KARAMURSEL
 AJO50 DIYARBAKIR
 AJR21 ZWEIBRUECKEN
 AIS DIYARBAKIR
 AJT KARAMURSEL
 AKA ANCHORAGE
 AKA2 UMIAT
 AKA5 ANCHORAGE
 AKC FAIRBANKS
 AKC5 PNT BARROW
 AKC6 BARTER I
 AKC7 FAIRBANKS
 AKC25 PNT BARROW
 AKC60 BARTER I
 AKD ADAK
 AKD2 SHEMYA
 AKD3 COLD B FTRANDL
 AKD5 ADAK
 AKD7 AMCHITKA
 AKD20 SHEMYA
 AKD30 COLD B FTRANDL
 AKE FAIRBANKS
 AKE2 FAIRBANKS
 AKL KETCHIKAN
 AKM JUNEAU
 AKM4 SITKA
 AKN KING SALMON
 AKN22 NOME
 AKO ANCHORAGE
 AKO50 SHEMYA
 AKO51 WILDWOOD
 AKO66 COLD B FTRANDL
 AKO99 KODIAK
 AKP33 UNALASKA
 AKX STEPHENVIL NFD
 AKX2 STEPHENVIL NFD
 AKX20 STEPHENVIL NFD
 AKX90 LAJES
 AKY S JOHNS NFLD
 AKZ GOOSE NFLD
 AKZ2 GOOSE NFLD
 AKZ8 GOOSE NFLD
 AKZ80 GOOSE NFLD
 ALB ANCHORAGE
 ALB2 ANCHORAGE
 ALB22 WHITTIER
 ALB31 CURRY
 ALB33 VALDEZ
 ALB44 CORDOVA
 ALB55 SEWARD
 ALB66 COLD B FTRANDL
 ALB77 NAKNEK
 ALB88 BETHEL
 ALB99 KODIAK
 ALC FAIRBANKS
 ALC22 NOME
 ALC33 BARROW
 ALC33 PNT BARROW
 ALC44 KOTZEBUE
 ALD ADAK
 ALD22 SHEMYA
 ALD44 FT GLENN

ALE JUNEAU
 ALE22 CRAIG
 ALE33 WRANGELL
 ALE44 PETERSBURG
 ALF JUNEAU
 ALF22 HAINES
 ALF33 SKAGWAY
 ALF44 SITKA
 ALG2 NOME
 ALH2 WHITTIER
 ALI2 KODIAK
 ALI3 FT HEARS
 ALI4 UMIAT
 ALI5 FT RANDALL
 ALI46 YAKUTAT
 NAA CUTLER ME
 NAC PORTSMOUTH
 NAD BOSTON MASS
 NAF NEWPORT RI
 NAF4 BEAVERTAIL RI
 NAG RADLECLIFF MD
 NAH NEW YORK NY
 NAI PHILADELPHI PA
 NAK ANNAPOLIS MD
 NAM DRIVER VA
 NAM NORFOLK VA
 NAM17 DRIVER VA
 NAN ANTIGUA
 NAC CHARLESTON SC
 NAR KEY WEST FLA
 NAR SADDLE BCH FLA
 NAS PENSACOLA FLA
 NAT NEW ORLEANS LA
 NAT7 ORANGE TEX
 NAU AGUADA
 NAU EL YUNQUE PK
 NAU FT ALLEN
 NAU ISABELLA
 NAU ISABELLA SEGUN
 NAU MARTIN PENA
 NAU S JUAN
 NAU SABENA SECA
 NAU VIEQUES
 NAU3 ST THOMAS
 NAW GUANTANAMO B
 NAX BARBERS POINT
 NAY ANNAPOLIS MD
 NBA BALBOA
 NBA SUMMIT
 NBA2 SUMMIT
 NBC BEAUFORT SC
 NBD NEW YORK NY
 NBE DALLAS TEX
 NBE24 BARKING SANDS
 NBG NEW ORLEANS LA
 NBJ OAKLAND CAL
 NBL NEW LONDON CON
 NPO S LEUIS MO
 NBR BARBADOS
 NBR PHILADELPHI PA
 NBU GLENVIEW ILL
 NCA NEW RIVER NC
 NCD NEW ORLEANS LA
 NCI NAPOLI
 NCI2 SINERI CRICHI
 NCI4 TARGABARUN
 NCI11 CAGLIARI
 NCN FUTEMA
 NCO QUONSET PNT RI
 NCP CUBI POINT
 NCP SUBIC BAY
 NCP5 SUBIC BAY
 NCQ ATLANTA GA
 NCR C MAY NJ
 NCX S PEDRO CAL
 NDA BOSTON MASS
 NDB NEW YORK NY
 NDC NORFOLK VA
 NDC4 RICHMOND VA
 NDG4 CHARLOTTE NC
 NDG17 JACKSONVIL FLA
 NDG18 MIAMI FLA
 NDI FUTEMA
 NDI NARA
 NDI OKINAWA
 NDJ KWAJALEIN
 NDM WASHINGTON DC
 NDM2 ANNAPOLIS MD
 NDO PHILADELPHI PA
 NDQ PHILADELPHI PA
 NDQ2 PITTSBURGH PA
 NDQ3 CLEVELAND OH
 NDS GT LAKES ILL
 NDT KAMI SEYA
 NDT TOTSUKA
 NDT YOKOSUKA
 NDT YOKOSUKA KANA
 NDT1 HAKATA
 NDT2 TOTSUKA
 NDT4 KAMI SEYA
 NDW9 S FRANCISCO CL
 NDY DAHLGREN VA
 NEA GLYNCO GA
 NEF ARCATAL CAL
 NEG SASEBO
 NEJ SEATTLE WASH
 NEK ANNAPOLIS MD
 NEL LAKEHURST NJ
 NES BALBOA
 NES SEATTLE WASH
 NEU IWAKUNI
 NEW DHAHRAN
 NEZ LAKEHURST NJ
 NFB GROSSE I MICH
 NEC C MAY NJ
 NFD ARCATAL CAL
 NFD S JUAN
 NFF SO WEYMOUTH HAS
 NFR TILLAMOCK ORE
 NFS IWAKUNI
 NFU ALAMEDA CAL
 NG2 S CLEMENTE CAL
 NGA BREMERHAVEN
 NGB MCMURDO SOUND
 NGD KANEHOE OAHU
 NGF SAIPAN
 NGK1 CORPCHRIST TX
 NGP KATO SOLI
 NGR DUTCH HARBOR
 NGT NORFOLK VA
 NGU ALAMEDA CAL
 NGZ BUSKIN LAKE
 NHB HONOLULU
 NHB KODIAK
 NHB ANCHORAGE
 NHB1 LOS ANGELES CAL
 NHD HOMESTEAD FLA
 NHF

NHK FATUXENT MD
 NHK PATUXENT RV MD
 NHK WEBSTER FLD MD
 NHP C HATTERAS NC
 NHQ GUAM
 NHT DUPONT SC
 NHX FOLEY FLA
 NHY KENITRA
 NHZ BRUNSWICK ME
 NID INYOKERN CAL
 NIG MIAMI FLA
 NII MAYPORT FLA
 NIK ARGENTIA NFLD
 NTC INCHEON
 NIP JACKSONVIL FLA
 NIP4 FLEMING I FLA
 NIQ JOHNSTON I
 NIX PACIF BCH WASH
 NIY LITCHFI PK ARI
 NJ2 SALTON SEA CAL
 NJA CHARLESTOWN RI
 NJA1 ATSUIGI
 NJD CENTERVIL CAL
 NJH NEW YORK NY
 NJK EL CENTRO CAL
 NJP JOHNSTONVILLE PA
 NJU MINNEAPOLIS MIN
 NJZ C CHRISTIA NWT
 NKA ASMARA
 NKB GALVESTON TX
 NKF BELVUE DC
 NKH KANEHOE OAHU
 NKK KARAMURSEL
 NKK1 ISTANBUL
 NKT CHERRY PNT NC
 NKX MIRAMAR SD CAL
 NKX MIRAMAR SD CAL
 NKZ CHINCOTEAGU VA
 NLK SEATTLE WASH
 NLW LEWIS DEL
 NMA MIAMI FLA
 NMA5 SO CAICOS
 NMA7 JUPITER FLA
 NMC BOLINAS CAL
 NMC S FRANCISCO CAL
 NMD CLEVELAND OHIC
 NMD4 OSWEGO NY
 NMD19 DETROIT MICH
 NMD47 BUFFALO NY
 NME ENIWETOK
 NMF BOSTON MASS
 NMF C COD MASS
 NMF40 ROCKLAND ME
 NNG NEW ORLEANS LA
 NMH WASHINGTON DC
 NMI MIRAMAR SD CAL
 NMI10 NANTUCKET MASS
 NMJ KETCHIKAN
 NMJ1 JUNEAU
 NMJ21 ADAK
 NMJ22 ATTU
 NKK C MAY NJ
 NML S LOUIS MO
 NKN PORTSMOUTH VA
 NKN73 CAROLINABCH NC
 NMO HONOLULU
 NMQ LONG BEACH CAL
 NMQ27 LOS ANGELES CAL
 NMQ53 S MATEO PNT CAL

NMR	S JUAN	NQG	S DIEGO CAL	NSU	MONTEREY CAL
NMS	LORAN MONITOR	NQG1	LOS ANGELES CL	NSY	SIGONELLA
NKS	SHEPHERD	NQ1	KINGSVILLE TEX	NTB	LOSALAMITOS CL
NMV	JACKSONVIL FLA	NQL	SITKA	NTD	PNT MUGU CAL
NMW	WESTPORT WASH	NQM	MIDWAY I	NTI	TURKS I
NMY	NEW YORK NY	NQM20	EASTERN I	NTK	S ANA CAL
NNI	NAPOLI	NQQ	PHILADELPHI PA	NTQ	ELEUTHERA
NNO	COLUMBUS OH	NQW	S NICOLAS I CL	NTT	TAIPEI
NNQ	LEWES DEL	NQX	KEY WEST FLA	NTU	OCEANA VA
NNU	AMAGANSETT NY	NQZ	KEY WEST FLA	NUD	ADAK
NNZ	PNT SUR CAL	NRB	MAYPORT FLA	NUD	GUAN
NOP	S PETERSBERG FL	NRD	COOS HEAD ORE	NUD	MT MOFFET
NOG	SAULTSMARI MCH	NRE	PNT MUGU CAL	NUK	REAM FIELD CAL
NOG14	DULUTH MINN	NRE3	S CRUZ I CAL	NUN	SAUFLEY FLD FL
NOH	ANNAPOLIS MD	NRE11	CHRISTMAS I	NUP	S PEDRO CAL
NOJ	KODIAK	NRE13	TERN I	NUQ	MOFFET FLD CAL
NOM	MIAMI FLA	NRE21	WAKE I	NUU	OLATHE KAN
NOP	BROOKLYN NY	NRE22	JOHNSTON I	NUW	WIDBEY I WASH
NOQ	MOBILE ALA	NRE24	BARKING SANDS	NWC	NO WEST C WASH
NOR	S DIEGO CAL	NRH	WAKE I	NWF	LONG BEACH CAL
NOS	SALEM MASS	NRH1	ENIWETOK	NWF7	PT HUENEME CAL
NOT	TRAVERSE MICH	NRH2	KWAJALEIN	NWF1-2	ARGENTIA NFLD
NOU	ANNETTE ISLAND	NRJ	SANFORD FLA	NWP7	ARGENTIA NFLD
NOW	PT ANGELES WASH	NRM	ARGENTIA NFLD	NWR	CHARLESTON SC
NOX	ADAK	NRM1	SITKINAK I	NWU	BERMUDA
NOY	GALVESTON TEX	NRO	JOHNSTON I	NWV	BERMUDA
NOY9	HOUSTON TEX	NRO2	KAUI	NWY	WASHINGTON DC
NOZ	ELIZABETH NC	NRO7	KURE I	NWY6	CHELTENHAM MD
NPA	PT ARGUELLO CL	NRH	ROOSEVELT RDS	NXH	BERMUDA
NPC	BAINBRIDGE WSH	NRH2	CULEBRA	NXX	WILLOWGROVE PA
NPC	PUGET SD WASH	NRH21	WAKE I	NYG	QUANTICO VA
NPC	S DIEGO CAL	NRT	KAMI SEYA	NYL	YUMA ARIZ
NPC	WHIDBEY I WASH	NRT2	GESASHI	NYP	S JUAN
NPB	SEATTLE WASH	NRT2	OKINAWA	NYS	TRINIDAD
NPD1	PORTLAND ORE	NRT3	IWO JIMA VOL	NYZ	QUANTICO VA
NPE	DENVER COLO	NRT9	HOKKAIDO	NZC	CECIL FLD FLA
NPG	MARE IS CAL	NRT9	TOKACHIBUTO	NZJ	EL TORO CAL
NPG	S FRANCISCO CL	NRV	GUAM	NZL	ATTU
NPG61	MARE IS CAL	NRV2	SAIPAN	NZL	S DIEGO CAL
NPH	C HATTERAS NC	NRV4	PALAU I	NZM	ARCATA CAL
NPL	CHOLLAS HTS CL	NRV6	MARCUS IS	NZW	SO WEYMOUTH MASS
NPL	S DIEGO CAL	NRV7	YAP	NZY	NO ISLAND CAL
NPL2	IMPERIALBCH CL	NRW	C SARICHEF	NZY	S DIEGO CAL
NPL35	CP PENDLETN CL	NRW1	SITKINAK I		
NPM	GUAM	NRW2	S PAUL I		
NPM	HONOLULU	NRW3	PT CLARENCE		
NPM	LUALUALEI	NRX	MANILA		
NPM	PEARL HARBOR	NRX1	NAULO POINT		
NPM11	LUALUALEI	NRX2	TALAMPULAN		
NPN	GUAM	NRX3	TARUMPITAO		
NPN6	SAIPAN	NRX4	MIYAKOSHIMA		
NPN7	IWO JIMA VOL	NSA	PENSACOLA FLA		
NPO	LUZON	NSB	S SALVADOR		
NPO	MANILA	NSC	NEW YORK NY		
NPO	SUBIC BAY	NSD	EUREKA CAL		
NPO1	SAMAR	NSE	WHITING FLD FL		
NPO4	S MIGUEL	NSF	ANACOSTIA DC		
NPR	DUTCH HARBOR	NSI	S NICOLAS I CL		
NPU	PAGO PAGO	NSK	ANACAPA CAL		
NPV1	COCOS I	NSP	SANGLEY POINT		
NPW	ARCATA CAL	NSS	ANNAPOLIS MD		
NQA	MEMPHIS TENN	NSS2	CHELTENHAM MD		
NQB	TORO POINT	NST	LONDONDERRY		
NQC	WINTER HR ME	NST1	LONDON		

This list was taken from the ITU's Alphabetical List of Call Signs (list VIIB). The list of US Army and Air Force stations (those beginning with the letter A) is incomplete due to the large number of stations and the small number of pages devoted to them. The list of US Navy & Coast Guard stations (those beginning with N) contains all Navy & Coast Guard stations known to the ITU.

U.S. COAST GUARD CUTTERS

Compiled By

ROBERT FRENCH & HANK HOLBROOK

Due to the amount of Coast Guard Cutters, their addresses have not been listed in the Address Section. However since many people might be interested in trying to verify these stations, we have included a list of them, including a list of their base location. Coast Guard Cutters may be reached by writing to: Chief Radio Officer US Coast Guard Cutter (call), c/o their base.

Name of Cutter	Call	Base	Name of Cutter	Call	Base
ABSECON	NBNP		CAPE ROMAIN	NLBB	Ketchikan, ALAS
ACACIA	NODY		CAPE ROSIER	NXLP	Maui, Hawaii
ACTIVE	NRTF		CAPE SABLE	NOIB	Santa Barbara, CA
ACUSHNET	NNHA		CAPE SHOALWATER	NSDT	Ft Lauderdale, FL
AGASSIZ	NRLB		CAPE SMALL	NCFQ	Hilo, Hawaii
ALERT	NRPA		CAPE STARR	NJVB	Atlantic City, NJ
ALTHEA	NRWZ		CAPE STRAIT	NQDN	Ft Tilden, NY
ANDROSCOGGIN	NRUR		CAPE TRINITY	NUJY	Savannah, GA
APALACHEE	NRKC		CAPE UPRIGHT	NPGA	Southport, NC
ARBUTUS	NRWD		CAPE WASH	NOBE	San Francisco, CA
ARGO (see EAGLE)	NRGB		CAPE YORK	NRZV	Brownsville, TX
ARIADNE	NRGL		CARTIGAN	NRLF	Panama City, FL
ARUNDEL	NRKQ		CASCO	NICB	Boston, MA
ASTER	NLZK		CASTLE ROCK	NBZF	Boston, MA
ATLANTA	NRGK		CHAUTAUQUA	NRUD	Honolulu, Hawaii
AURORA	NRGA		CHEROKEE	NNGP	Norfolk, VA
AZALEA	NOIT		CHILULA	NPIN	Morehead City, NC
BALSAM	NRZB		CHINCOTEAGUE	NBOZ	Norfolk, VA
BARATARIA	NBXL		CHINOOK	NRKK	Baltimore, MD
BARBERRY	NHPM		CITRUS	NRPK	Kodiak, ALAS
BASSWOOD	NODG		CLOVER	NRPJ	Ketchikan, ALAS
BEECH	NRWK		COLUMBINE	NRJY	San Francisco, CA
BERING STRAIT	NBYG		COMANCHE	NILA	San Francisco, CA
BIBB	NRDB		CONIFER	NRPR	Portsmouth, VA
BIRCH	NRXY		COOK INLET	NYLW	Portland, ME
BITTERSWEET	NODH		COOS BAY	NBPG	Portland, ME
BLACKHAW	NODI		COSMOS	NRPL	St Petersburg, FL
BLACKROCK	NOCH		COURIER	NFKW	Yorktown, VA
BLACKTHORN	NODJ		COWSLIP	NRZJ	Portland, ME
BLUEBELL	NODD		DEXTER	NODC	Alameda, CA
BLUEBONNET	NRYY		DILIGENCE	NMUD	Key West, FL
BONHAM	NRPB		DOGWOOD	NRZD	Vicksburg, MISS
BOUTWELL	NRLD		DUANE	NRDD	Boston, MA
BRAMBLE	NODK		EAGLE (see ARGO)	NRGB	New London, CONN
BRIER	NRPP		EASTWIND	NRFB	Boston, MA
BUTTONWOOD	NRPX		ESCANABA	NLUR	New Bedford, MA
CACTUS	NRZH		EVERGREEN	NRXD	Boston, MA
CAHOONE	NRLG		EWING	NRPC	Monterey, CA
CALUMET	NRKJ		FERN	NRPV	Dubuque, IOWA
CALYPSO	NRGC		FIR	NRJR	Seattle, WASH
CAMPECHE	NUZY (PV)		FIREBUSH	NODL	Staten Is, NY
CAMPBELL	NRDC		FORSYTHIA	NRZY	Memphis, TENN
CAPE CROSS	NPZD		FOXGLOVE	NRZE	St Louis, MO
CAPE FALCON	NFFQ		FREDERICK LEE	NRLR	Freeport, TX
CAPE HORN	NPUF	Provincetown, MA	GENERAL GREENE	NRLS	Gloucester, MA
CAPE JELLISON	NJTB	San Diego, CA	GENTIAN	NRPI	Galveston, TX
CAPE KIWANDA	NDGN	Cape May, NJ	GOLDENROD	NRXR	Keokuk, IOWA
CAPE KNOX	NGBO	Norfolk, VA	GRESHAM	NODB	Alameda, CA
CAPE MORGAN	NFLW	Charleston, SC	HAMILTON	NMAG	
CAPE NEWAGEN	NKCV	San Diego, CA	HALFMOON	NBQR	New York, NY
CAPE PORPOISE	NXAJ	Morro Bay, CA	HAWTHORN	NRWL	New London, CONN
CAPE PROVIDENCE	NYZL	Pago Pago, Samoa	HEATHER	NRVE	San Pedro, CA

Note: PV=Patrol Vessel

Name of Cutter	Call	Base
HICKORY	NRWJ	Staten Is, NY
HOLLYHOCK	NRXT	Miami, FL
HORNBEAM	NODM	Woods Hole, MA
HUDSON	NRKH	Norfolk, VA
HUMBOLDT	NEJL	Boston, MA
INGHAM	NRDK	Norfolk, VA
IRIS	NODN	Galveston, TX
IRONWOOD	NRPN	Honolulu, HAW
IVY	NRVB	Astoria, ORE
JASMINE	NRXH	
JONQUIL	NRVC	Morehead City, NC
JUNIPER	NRZA	St Petersburg, FL
KAW	NRKB	Cleveland, OH
KIMBALL	NRLW	Brownsville, TX
KLAMATH	NRUI	Seattle, WASH
KUKUI	NRCQ	Honolulu, Hawaii
LAMAR	NJNQ	
LANTONA	NRQX	
LAUREL	NRPJ	Rockland, ME
LEGARE	NRLX	New Bedford, MA
LIGHTSHIP 189	NMJG	Morehead City, NC
LIGHTSHIP 196	NMJH	Seattle, Wash
LIGHTSHIP 506	NMGC	Barneget Lght, NJ
LIGHTSHIP 509	NMGG	Staten Is, NY
LIGHTSHIP 510	NMGU	
LIGHTSHIP 512	NMGI	Staten Is, NY
LIGHTSHIP 519	NMGX	Cape May, NJ
LIGHTSHIP 523	NMGP	San Francisco, CA
LIGHTSHIP 526	NMGS	Pt Huron, MICH
LIGHTSHIP 528	NMGV	Boston, MA
LIGHTSHIP 529	NMGV	Cape May, NJ
LIGHTSHIP 530	NMGW	Cape May, NJ
LIGHTSHIP 531	NMGZ	Savannah, GA
LIGHTSHIP 532	NMGX	Portsmouth, VA
LIGHTSHIP 533	NMGY	S. Portland, ME
LIGHTSHIP 534	NMGZ	Woods Hole, MA
LIGHTSHIP 535	NMJA	Seattle, WASH
LIGHTSHIP 536	NMJB	Woods Hole, MA
LIGHTSHIP 537	NMJC	Morehead City, NC
LIGHTSHIP 538	NMJD	Norfolk, VA
LIGHTSHIP 539	NMJF	Hull, MA
LIGHTSHIP 604	NEWP	Astoria, ORE
LIGHTSHIP 605	NKVY	Samoa, CA
LIGHTSHIP 612	NMDN	San Francisco, CA
LIGHTSHIP 613	NGJE	Staten Is, NY
LILAC	NRWN	Cloucester, NJ
LINDEN	NRWT	Staten Is, NY
MACKINAC	NICC	New York, NY
MACKINAW	NRKP	Cheboygan, MICH
MADRONA	NRPT	Portsmouth, VA
MAGNOLIA	NRVA	San Francisco, CA
MAHONING	NRKW	New York, NY
MALLOW	NODO	Astoria, ORE
MANITOU	NRKA	New York, NY
MAPLE	NRXW	Buffalo, NY
MARIPOSA	NODP	New London, CONN
MATAGORDA	NIPV	Honolulu, Hawaii
McCULLOCH	NODA	Boston, MA
McLANE	NRPD	Brownsville, TX
MENDOTA	NRUS	Wilmington, DEL
MESQUITA	NRPW	Sturgeon Bay, WI
MINNETONKA	NRUP	Long Beach, CA
MISTLETOE	NRYS	Portsmouth, VA
MODOC	NIJB	Coos Bay, ORE
MOHICAN	NRKI	Norfolk, VA
MORRIS	NRPF	San Pedro, CA
NARCISSUS	NRWO	Portsmouth, VA
NAUGATUCK	NRKG	Sault St Marie, MI

Name of Cutter	Call	Base
NAVESINK	NRKN	New York, NY
NEMESIS	NRGX	St Petersburg, FLA
NETTLE	NNHD	Sangley Pt. Philippines
NIKE	NRGN	Gulfport, MISS
NORTHWIND	NRPJ	Seattle, WASH
OAK	NRWI	Staten Is, NY
OJIBWA	NRKM	Buffalo, NY
OWASCO	NRUA	New London, CONN
PAPAW	NRPZ	Charleston, SC
PLANETREE	NRPY	Honolulu, HAW
POINT ARDEN	NWJI	Pt Pleasant, NJ
POINT ARENA	NJKT	
POINT BAKER	NIQK	Pt Isabel, TX
POINT BANKS	NDRF	Woods Hole, MA
POINT BRIDGE	NDLF	Venice, CA
POINT CAUTION	NOBP	Galveston, TX
POINT CHICO	NIOO	Sausalito, CA
POINT CLEAR	NIQO	San Pedro, CA
POINT COMFORT	NKJG	Benicia, CA
POINT COUNTLESS	NVOR	Bellingham, MA
POINT CYPRESS	NTAO	Newport, RI
POINT DIVIDE	NRJG	Newport Beach California
POINT DUME	NBAK	Long Is, NY
POINT ELLIS	NRCD	Pnt Townsend, Washington
POINT ESTERO	NZOM	Gulfport, MISS
POINT GAMMON	NOVQ	San Francisco California
POINT GARNET	NIET	Norfolk, VA
POINT GLASS	NCNK	Tacoma, WASH
POINT GLOVER	NQBH	Pt Hancock, NJ
POINT GRACE	NQOA	Crisfield, MD
POINT GREY	NFLV	Norfolk, VA
POINT HURRON	NUEL	Cape May, NJ
POINT HIGHLAND	NWMO	Norfolk, VA
POINT HOPE	NKJX	Pt Arthur, TX
POINT HUDSON	NVGF	Panama City, FL
POINT JEFFERSON	NHWT	Nantucket, MA
POINT KENNEDY	NKCH	San Juan, PR
POINT LEAGUE	NSLL	Moran City, LA
POINT LEDGE	NDLK	Pt Bragg, CA
POINT LOMAS	NOLU	Pt Aransas, TX
POINT LOCKOUT	NELL	Pasagoula, MISS
POINT MARONE	NNTD	San Pedro, CA
POINT MAST	NFNM	Long Beach, CA
POINT ORIENT	NZMH	Pt Pierce, FL
POINT PARTRIDGE	NUWM	West Jonesport Maine
POINT ROBERTS	NFDU	Mayport, FL
POINT SLOCUM	NHYL	St Thomas, VI
POINT SWIFT	NLEI	St Petersburg Florida
POINT THATCHER	NMDS	Norfolk, VA
POINT VERDE	NZZV	Venice, LA
POINT WELCOME	NAKQ	Everett, WASH
POINT WELLS	NTDG	Montauk, NY
POINT WHITE	NUHZ	New London, CONN
POINT YOUNG	NEXT	Grand Isle, LA
POPLAR	NRXN	Sweickley, PA
PRIMROSE	NRZT	Corpus Christi Texas
RAMBLER	NRPO	Mobile, ALA
RARITAN	NRPS	Milwaukee, WI
RELIANCE	NJPJ	Corpus Christi Texas

Name of Cutter	Call	Base
ROCKAWAY	NBTM	New York, NY
SAGEBRUSH	NODR	San Juan, PR
SALVIA	NODS	Mobile, ALA
SASSAFRAS	NODT	Cape May, NJ
SAUK	NRKS	New York, NY
SEEDGE	NODU	Cordova, ALAS
SNOHOMISH	NRKR	Rockland, ME
SORREL	NRZI	Mt Edgecumbe ALAS
SPAR	NODV	Bristol, RI
SPENCER	NRDS	New York, NY
STORIS	NRUC	Kodiak, ALAS
SUMAC	NRZC	Peoria, ILL
SUNDEW	NODW	Charlevoix
SWEETBRIER	NODX	Juneau, ALAS
SWEETGUM	NRQW	Mayport, FL
TAMARACK	NRBY	Sault St Marie, MICH
TAMAROA	NNGR	Staten Is, NY
TANAGER	NNGS	Yorktown, VA
TANEY	NRDT	Alameda, CA
TRITON	NRGT	Corpus Christi, TX
TUCKAHOE	NRKT	New York, NY
TUPELO	NRPU	Toledo, OH
UNIMAK	NBVG	Cape May, NJ
VERBENA	NODF	Morehead City, NC
VIGILANT	NHIC	New Bedford, MA
WALNUT	NRZY	Miami, FL
WESTWIND	NLKL	Brooklyn, NY
WHITE ALDER	NAHQ	New Orleans, LA
WHITE BUSH	NANL	Astoria, ORE
WHITE HOLLY	NAOY	Ketchikan, Alaska
WHITE LUPINE	NARO	Ogdensburg, NY
WHITE PINE	NODE	Baltimore, MD
WHITE SAGE	NAPC	Woods Hole, MA
WHITE SUMAC	NAED	Key West, FL
WILLOW	NRXO	San Francisco, CA
WINNEBAGO	NRUB	Honolulu, Hawaii
WINONA	NRUN	Port Angeles, WA
WISTARIA	NRWU	Baltimore, MD
WOODBINE	NRPH	Grand Haven, MICH
WOODRUSH	NODZ	Duluth, MINN
YAKUTAT	NBWJ	New Bedford, MA
YANKTON	NRKD	South Portland, ME
YEATON	NRMP	New London, CONN
YOCONA	NNHB	Astoria, ORE
ZINNIA	NRXC	Gloucester City, NJ

TIME STATIONS

Compiled by

PAUL MAYO

To the Utility DXer, time stations perform a useful service. The first and most obvious is the correct time of day. Secondly, most time stations can be used to calibrate your receiver accurately! But, the most important service to any DXer is that some time stations provide daily propagation forecasts. For example, stations WWV and WWVH provide short term propagation forecasts at fourteen(14) minutes past the hour.

Below is our time signal list. Quite a few stations were omitted; these stations run quite low power and/or are covered by more powerful stations on the same frequency.

FREQUENCY	STATION CALL	LOCATION	NOTES
1305	PPR	Rio de Janeiro , Brazil	
2500	JJY	Koganei, Japan	P.F., AM & CW
2500	FFH	Bagreux, France	
2500	MFS	Rugby, England	
2500	OMA	Prague, Czechoslovakia	
2500	RAT	Moscow, European RSFSR	
2500	RCH	Tashkent, Uzbek SSR	
2500	WWV	Pt Collins, COL, USA	P.F., AM
2500	WWVH	Kauai, Hawaii	P.F., AM
2500	ZLFS	Lower Hutt, New Zealand	
2614	DAM	Elmshorn, GFR	
2614	DAN	Norddeich, GFR	
2775	DAM	Elmshorn, GFR	
2775	DAO	Kiel, GFR	
3170	OLB2	Prague, Czechoslovakia	
3330	CHU	Ontario, Canada	
3650	DUW20	Manila, Philippines	
4010	NPG	Mare Is, CA., USA	USN
4265	DAM	Elmshorn, GFR	
4271	CCV	Valparaiso, Chile	
4500	VNG	Lyndhurst, Australia	
4525	DIZ	Nauen, GDR	
4525	NPM	Honolulu, Hawaii	USN
4955	NPN	Guam	USN
4996	RTA	Novosibirsk, Asiatic SSR	
5000	BPV	Shanghai, China	
5000	IAM	Rome, Italy	
5000	IBF	Turino, Italy	
5000	LOL	Buenos Aires, Argentina	AM & CW
5000	MFS	Rugby, England	
5000	RAT	Moscow, European RSFSR	
5000	REE	Alma Ata, Kazakh SSR	
5000	RIM	Tashkent, Uzbek SSR	
5000	WWV	Ft Collins, COL., USA	P.F., AM
5000	WWVH	Kauai, Hawaii	P.F., AM
5000	ZUO	Olifantsfontein, S.Africa	
5004	RKM	Irkutsk, Asiatic RSFSR	
5430	BPV	Shanghai, China	
5870	NSS	Annapolis, MD., USA	USN
6100	YVTO	Caracus, Venezuela	AM, Sp

6428.5	NPG	Mare Is, CA., USA	USN
6475.5	DAM	Elmshorn, GFR	
6502	CRO	Lomrence Marques, Mozambique	
7335	CHU	Ontario, Canada	AM
7428	PTH42	Pontoise, France	
7500	VNG	Lyndhurst, Australia	
8037	CXL21	Montevideo, Uruguay	"La Senal"
8090	NSS	Annapolis, MD., USA	USN
8150	NPN	Guam	USN
8558	CCV	Valparaiso, Chile	
8634	PPR	Rio de Janeiro, Brazil	
8638.5	DAM	Elmshorn, GFR	
8721	PPE	Rio de Janeiro, Brazil	
9050	NPM	Honolulu, Hawaii	USN
9087	CXL21	Montevideo, Uruguay	"La Senal"
9277.5	NPG	Mare Is, CA., USA	USN
9351	BPV	Shanghai, China	
9996	RTA	Novosibirsk, Asiatic RSFSR	
10000	ATA	New Delhi, India	
10000	BPV	Shanghai, China	AM
10000	LOL	Buenos Aires, Argentina	
10000	JJY	Koganei, Japan	P.F. AM&CW
10000	MFS	Rugby, England	
10000	RIM	Tashkent, Uzbek SSR	
10000	RNM	Moscow, European RSFSR	
10000	WWV	Ft Collins, COL., USA	P.F., AM
10000	WWVH	Kauai, Hawaii	P.F., AM
10000	ZUO	Johannesburg, S. Africa	
10004	RID	Irkutsk, Asiatic RSFSR	
10004	RKM	Irkutsk, Asiatic RSFSR	
10775	FTK77	Pontoise, France	
11080	NBA	Balboa, Canal Zone	USN
11660	CXL25	Montevideo, Uruguay	"La Senal"
12000	VNG	Lyndhurst, Australia	
12135	NSS	Annapolis, MD., USA	USN
12307	OBC	Callao, Peru	
12763.5	DAM	Elmshorn, GFR	
12960	CCV	Valparaiso, Chile	
12966	NPG	Mare Is, CA., USA	USN
13105	PPR	Rio de Janeiro, Brazil	
13530	NPN	Guam	USN
13615	CWK4	Montevideo, Uruguay	"La Senal"
13655	NPM	Honolulu, Hawaii	USN
13873	FTN87	Pontoise, France	
14575	CXL26	Montevideo, Uruguay	"La Senal"
14670	CHU	Ontario, Canada	AM
14996	RTA	Novosibirsk, Asiatic RSFSR	
15000	BPV2	Shanghai, China	
15000	JJY	Koganei, Japan	P.F. AM&CW
15000	LOL	Buenos Aires, Argentina	AM
15000	RNM	Moscow, European RSFSR	
15000	WWV	Ft Collins, COL., USA	P.F., AM
15000	WWVH	Kauai, Hawaii	P.F., AM
15004	RID	Irkutsk, Asiatic RSFSR	
15004	RNM	Irkutsk, Asiatic RSFSR	

16180	NSS	Annapolis, MD., USA	USN
16457.5	NPM	Honolulu, Hawaii	USN
16980	DAM	Elmshorn, GFR	
17050.4	NPM	Honolulu, Hawaii	USN
17122.4	NPM	Honolulu, Hawaii	USN
17194	PPR	Rio de Janeiro, Brazil	
17288	NPG	Mare Is, CA., USA	USN
17530	NPN	Guam	USN
17697.5	NBA	Balboa, Canal Zone	USN
20000	WWV	Ft Collins, COL., USA	P.F. AM
20025	NSS	Annapolis, MD., USA	USN
20575	NPM	Honolulu, Hawaii	USN
21760	NPN	Guam	USN
22485	VIX	Sydney, Australia	
22515	NBA	Balboa, Canal Zone	USN
22593	NPM	Honolulu, Hawaii	USN
22635	NPG	Mare Is, CA., USA	USN
24115	CXL53	Montevideo, Uruguay	"La Senal"
24255	CXL55	Montevideo, Uruguay	"La Senal"
25000	WWV	Ft Collins, COL., USA	P.F., AM
25590	NSS	Annapolis, MD., USA	USN

NOTES

A.M.	Audio Modulation (voice)
C.W.	Continuous Wave (code)
"La Senal"	Fixed station that uses a time signal as a marker on SSB
P.F.	Propagation Forecast is given
Sp	Spanish
SSB	Single Sideband
USN	United States Navy Station



VOLMET STATIONS

The following tables detail the short range VOLMET (weather) broadcasts being made in each region on a shared time basis. Broadcasts contain Aerodrome reports and Aerodrome forecasts and are made on the frequencies listed horizontally. Times are listed vertically and are in minutes past the hour (eg. 05-10 means: 5 to 10 minutes past the hour). All transmissions are made in the order shown; The capitalized location indicates the transmitter's location. Where times are given, they are in GMT. The mode of operation is AM, unless otherwise indicated.

Most of these stations will QSL but, be sure to include a prepared-form-card (PFC) and return postage. Tokyo and Shannon do have their own cards.

PAC REGIONAL VOLMET BROADCAST PLAN

Frequencies: 2980, 5519, 8905, 13344 kHz.

05-10 <u>35-40</u>	10-15 <u>40-45</u>	15-20 <u>45-50</u>	20-25 <u>50-55</u>	25-30 <u>55-60</u>
OAKLAND	TOKYO	HONG KONG	HONOLULU	ANCHORAGE
Los Angeles	Nagoya	Cape Collinson	Fairbanks	Wake Island
Seattle	Misawa	Cheung Chau	Cold Bay	Guam
Portland	Fukvoka/	Manila	King Salmon	Kahului
Ontario	Itazuke	Tainan	Shemya	Hilo
Stockton	Chitose	Taipei	Vancouver	Cold Bay
San Francisco	Osaka	Hong Kong	Anchorage	
Seattle	Okinawa/Naha		Fairbanks	
San Francisco	Tokyo		Vancouver	
			Delete: 2890	
			Add: 338	

Frequencies: 3432, 6680, 10017 kHz.

00-05
30-35

SYDNEY
Sydney

API REGIONAL VOLMET BROADCAST PLAN-SOUTH

Frequencies: 5544, 8862.5, 10073, 17936.5 kHz.

00-05 <u>30-35</u>	05-15 <u>35-45</u>	15-25 <u>45-55</u>	25-30 <u>55-60</u>
JOHANNESBURG	NAIROBI	BRAZZAVILLE	TANANARIVE
Johannesburg	Lusaka	Brazzaville	Tananarive
Lourenco	Ndola	Douala	Majunga
Marques	Cyangugu	Yaounde	Tamatave
Durban	Kigali	Bangui	St. Denis
Salisbury	Bujumbura	Sao Tome	Mahebourg
Livingston	Mogadiscio	Bata	Note 2
Bulawayo		Note 1	

Note 1: Broadcasts on 5544, 8862.5, 10073 kHz. only
Note 2: Broadcasts on 5544, 8862.5 kHz. only

NAT REGIONAL VOLMET BROADCAST PLAN

Frequencies: 3001, 5559, 8868, 13272 kHz

NEW YORK - 00-20, 30-50 minutes past the hour

GANDER - 20-30, 50-60 minutes past the hour

SHANNON - No longer active on these frequencies (See EUM Region)

AFI REGIONAL VOLMET BROADCAST PLAN-NORTH

Frequencies: 5596.5, 8896.5 11385 kHz.

00-05 30-35	05-10 35-40	10-15 40-45	25-30 55-60
ALGIER Algier Annaba Oran Tripoli Benghazi	KANO Kano Ft Lamy Calabar Lagos Accra Contonou	LA PALMAS DE GRAN CANARIA Casablanca Tenerife Tangier Rabat Marrakech	KHARTOUM Khartoum Ft Sudan Aden Addis Ababa Asmara Djibouti Delete: 5596.5 Add: 5529

Frequencies: 3495, 6575, 6617, 11279, 17909 Khz.

15-25
45-55

DAKAR

SEA REGIONAL VOLMET BROADCAST PLAN

Frequencies: 2924, 6529.5, 10048 kHz.

05-10 35-40	10-15 40-45	15-20 45-50	20-25 50-55	25-30 55-60
CALCUTTA Calcutta Gaya Delhi Note 1	BANGKOK Rangoon Saigon Note 2	KARACHI Nawabshah Jiwani Note 3	SINGAPORE Kuala Lumpur Djakarta Note 4 Delete: 2924	BOMBAY Ahmadabad Delhi Note 1

Note 1: Broadcasts on 2924 at 1300-0300; on 10048 at 0300-1300 and 6529.5 continuously
 Note 2: On 6529.5 & 10048 at 2310-1145; on 2924 & 6529.5 at 1210-2245
 Note 3: On 2924 & 6529.5 at 1610-0140; on 6529.5 & 10048 at 0140-1510
 Note 4: On 6529.5 at 1230-2230; on 10048 at 2230-1230

EUM REGIONAL VOLMET BROADCAST PLAN

Frequencies: 2980, 5575, 10066 kHz.

05-15 35-45	15-25 45-55	25-35 55-05
TEL AVIV Tel Aviv Ramat David Elat Athens Ankara Istanbul	PRAGUE Prague Bratislava Brno Wien Berlin Warsaw Moscow Budapest	PARIS Paris/Le Bourget Paris/Orly Tours Reims Bordeaux Toulouse Marseille Lyon Nice Algier

SHANNON Shannon Aeradio H+00 & H+30 On 2889, 5533, 8833, 13312 kHz.

SAM REGION

ASUNCION	Asuncion Radio	H+05	On 8905 kHz.
		H+15	On 5559 kHz.
BRASILIA	ZWBR	H+10 code(A1)	On 7580, 3994.5, 10300 kHz.
BUENOS AIRES	Ezeiza Aeradio	H+25	On 5544, 11337.5, 2980 kHz.

CAYENNE HXC H+10 code(A1) On 3935 kHz.
 H+40 code(A1) On 5440, 14523.5 kHz.
 Note: H+05 means 5 minutes past the hour etc.

MID REGIONAL VOLMET BROADCAST PLAN

Frequencies: 3001, 5561, 8828.5 kHz.

00-05 30-35	05-10 35-40	10-15 40-45
BAGHDAD Abadan Basrah Baghdad Note 1	TEHRAN Abadan Tehran	BAHRAIN Dhahran Kuwait Bahrain

Broadcasts on 5561 and 8828.5 kHz. only

15-20 45-50	20-25 50-55	25-30 55-60
BEIRUT Damascus Nicosia Jeddah Beirut Note 2	CAIRO Damascus Alexandria El Minya Jeddah Cairo Damascus	ISTANBUL Ankara Athens Istanbul Note 3

Note 2: Jeddah forecast at 15-20 after the hour only
 Note 3: Broadcasts on 5561 kHz. only

This list was taken from "Planning International Rules and Procedures" published under the authority of the Secretary of Defense and dated July 18, 1969. Frequency updates of this list were prepared by Paul Mayo. As frequencies are frequently changed, this list is not totally accurate. Any additions and all changes may be sent to: Utility Handbook 401 Dewey Evanston, ILL 60202

Hong Kong Radio-Volmet
 Hong Kong

this will confirm your reception of station
Hong Kong on June 25, 1970 from 1045 to
 1049 GMT on the frequency of 8905Kcs.
 Power 2000 Watts Antenna 3000
 Remarks:

Signed

To: Steven Handler 29 JUN 1970

MARINE OPERATOR STATION LIST

Compiled By
STEVEN HANDLER

CALL	LOCATION	OPERATOR	FREQUENCIES(kHz)
KCC	Corpus Christie, TX	S.W. Bell T&T	2538
KFX	Astoria, ORE	Pacific N.W. Bell	2442, 2598
KGN	Delcambre, LA	Delcambre Tel Co.	2506
KIW	Umatilla, ORE	Pacific Navigation	2784
KLH	San Francisco, CA	Pacific T & T	2450, 2506
KLP	The Dalles, ORE	Pacific Navigation	2784
KOE	Eureka, CA	Pacific N.W. Bell	2450, 2506
KOU	Los Angeles, CA	Southern CA Tel Co	2466, 2522, 2566, 2598
KOW	Seattle, WA	Pacific T & T	2482, 2522
KQP	Galveston, TX	S.W. Bell Tel. Co.	2450, 2530
KQM	Kahuhu, Hawaii	Hawaii Tel. Co	2530
KQX	Portland, ORE	Pacific Tel & Tel	2598
KTJ	Coss Bay, ORE	West Coast Tel. Co.	2566
WAD	Pt. Washington, WI	Lorain Electronics Corp.	2514, 2550, 2582, 4415.8, 4428.6
WAE	Norfolk, VA	Chesapeake & Potomac Tel.	2538, 2450
WAK	New Orleans, LA	Southern Bell T & T	2482, 2558, 2598
WAN	Atlanta, GA	Southern Bell T & T	2450
WAH	St. Thomas, Virgin Is.	Virgin Is Communications	2506
WAQ	Wilmington, DEL	American Tel & Tel	2558
WAS	Duluth, MINN	Lorain Electronics Corp.	2514, 2550, 2582, 4415.8, 4428.6
WAY	Chicago, ILL	Illinois Bell Tel. Co.	2514, 2550, 2582, 4415.8, 4428.6
WAZ	Atlanta, GA	Southern Bell T & T	2450
WBL	Buffalo, NY	Warner Tumble Radio	2514, 2550, 2582, 4415.8, 4428.6
WBN	Memphis, TENN	Warner Tumble Radio	2782, 2783.4
WCM	Pittsburgh, PA	R.A. Gartman	2782, 4072.4, 4371, 6147.5
WCT	San Juan, Puerto Rico	Radio Corp. of P.R.	2506
WDR	Miami, FLA	Southern Bell T & T	2442, 2490, 2514
WEH	Wilmington, DEL	Diamond State Tel. Co.	2558
WFA	Tampa, FLA	Southern Bell T & T	2466, 2550
WPN	Jeffersonville, KY	Amcon, Inc.	2782, 4072.4, 4371, 6147.5, 6455
WFR	Detroit, MICH	Mich. Bell Tel. Co.	2415, 2550, 2582
WFS	Detroit, MICH	Mich. Bell Tel. Co.	2415, 2550, 2582
WPV	Port Huron, MICH	Mich. Bell Tel. Co.	2415, 2550, 2582
WGB	Norfolk, VA	Chesapeake&Potomac Tel.	2538, 2450
WGK	St. Louis, MO	R.A. Gartman	2782, 4072.4, 4371, 6147.5
WJG	Memphis, TENN	Warner Tumble Radio	2782, 4072.4, 4371, 6147.5
WJO	Charleston, SC	Southern Bell T & T	2566
WLC	Roger City, MICH	Central Radio Tel. Co.	2514, 2550, 2582, 4415.8, 4428.6
WLF	Wilmington, DEL	Diamond State Tel. Co.	2558
WLO	Mobile, ALA	Mobile Radio WLO	2572
WMH	Baltimore, MD	Maryland Pt. Authority	2400
WMI	Lorain, OH	Lorain Electronics Corp.	2514, 2550, 2582, 4415.8, 4428.6
WNJ	Jacksonville, FLA	Southern Bell T & T	2566
WOU	Boston, MASS	New England T & T	2450, 2506, 2566
WOX	New York, NY	New York Tel. Co.	2482, 2522, 2590

SOUTH & CENTRAL AMERICA

AIR BEACON LIST

Compiled By
STEVEN HANDLER

The following is a list of a few of the Beacon radio stations that operate in Central and South America. They transmit their ID in CW (code) over and over 24 hours a day.

FREQUENCY (kHz)	CALL	LOCATION	POWER (WATTS)
1600	ASU	Ascension, Bolivia	300
	SLSU	Sucre, Bolivia	200
1602	LGM	Leguizano, Colombia	1000
1608	EPO	El Paso, Colombia	1000
	VSA	Villahermosa, Mexico	1200
1610	CTG	Cartagena, Colombia	-
1613	RAB	Rabinal, Guatemala	1200
1615	PSO	Pasto, Colombia	750
	BOB	Bobures, Venezuela	300
	MIL	Quincemil, Peru	-
1618	LMN	Los Mochis, Colombia	1200
	TUL	Tulancingo, Mexico	1200
1620	CEP	Conception, Bolivia	350
	EBG	El Bagre, Colombia	400
	IZT	Ixtotec, Mexico	1200
	LAV	Tumeremo, Venezuela	50
	NLD	Nuevo Laredo, Mexico	50
	URM	Urman, Venezuela	50
1625	CDT	Conduto, Colombia	50
	CZM	Cozumel, Mexico	1200
	MZT	Mazatlan, Mexico	1200
	QIT	Quito, Ecuador	50
	TIKX	San Jose, Costa Rica	50
1630	APB	Apolo, Bolivia	-
	AUR	Guatemala City, Guatemala	50
	MTR	Montera, Colombia	400
1635	PPN	Popayan, Colombia	50
1638	CME	Carmen, Mexico	1200
	IAC	La Quiaca, Argentina	250
	MTT	Minatitlan, Mexico	1200
	PRN	Tapurucua, Brazil	-
	ZCO	Cuzco, Peru	450
	ZYL	Labrea, Brazil	-
1640	JSE	San Jose, Bolivia	350
	SOG	Sogamoso, Colombia	1000
1648	OAX	Oaxaca, Mexico	1200
	PUI	Tefe, Brazil	75
	TIJ	Tijuana, Mexico	1200
1650	CH	Chinaja, Guatemala	50
	CLO	Calli, Colombia	-
	UIB	Quibdo, Colombia	50
1655	CUC	Cúcuta, Colorado, USA	750
1665	CIO	Cicuco, Colombia	250
1668	HMO	Hermosillo, Mexico	1200
	MID	Merida, Mexico	1200
	PZA	Guadalajara, Mexico	1200
1670	CZU	Corozal, Colombia	400
	TIPM	Palmar, Costa Rica	50
1675	TOR	Tournavista, Peru	1000
	UIQ	Tulua, Colombia	50

FREQUENCY (kHz)	CALL	LOCATION	POWER (WATTS)
1680	CA	Carmelita, Guatemala	100
1685	DRC	Dos Rios, Colombia	400
1688	PPE	Punta Penasco, Mexico	1200
	PHJ	Benjamin Constant, Brazil	-
	PUD	Eirunepe, Brazil	-
	PVG	Cucui, Brazil	-
	PVN	Porto Velho, Brazil	75
	PVR	Puerto Vallarta, Mexico	-
1690	MDE	Medellin, Colombia	1000
1698	FRS	Flores, Guatemala	-
	REX	Reymosa, Mexico	50
	TGZ	Tuxtla Gutierrez, Mexico	200
1702	TBU	Tibu, Colombia	150
1704	TGU	Tegucigalpa, Honduras	400
1705	API	Amalfi, Colombia	75
1708	CUE	Cuenca, Ecuador	-
	PUB	Carauari, Brazil	-
	PVK	Altamua, Brazil	-
	MXL	Mexicali, Mexico	1000
	TAM	Tampico, Mexico	1000
	TAP	Tapachula, Mexico	1200
1710	BUN	Buenaventura, Colombia	1000
	IQQ	Jquique, Chile	100
	SNG	San Ignacio, Bolivia	350
1718.5	MZL	Manzanillo, Mexico	1000
1720	TQN	Tres Esquinas, Colombia	-
1740	PO	Popton, Guatemala	50
1745	CGW	Cartago, Colombia	1000
1750	PLT	Plato, Colombia	-

to: R. H. French/2419 Rochelle Ave Apt 1831/-
District Heights, Maryland 20028/ U.S.A.

Guantanamo Bay, Cuba, 11 MARCH, 1971

Confirming your reception of transmission from
radiobeacon NBN - frequency 322.0 kHz - heard
at 0441 GMT, 28 FEBRUARY, 1971.

Antenna: Center fed long wire
Power Output: 400W

Remarks: Thank you for reception report.
Yours was the first reported reception
of our signal from KEXX your QTH.

M. E. French ETC
signature

CALL SIGN ALLOCATIONS

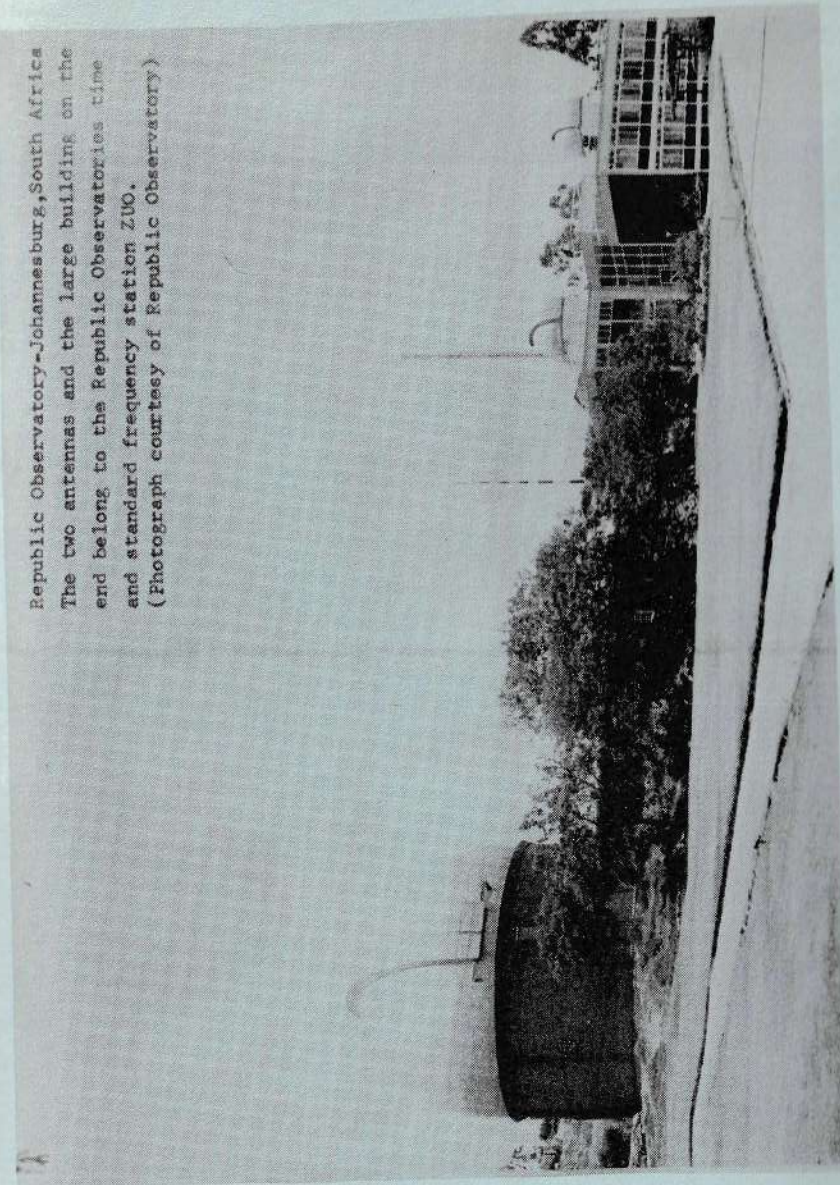
AAA-AIZ	United States	OAA-OCZ	Peru
AMA-AOZ	Spain	ODA-ODZ	Lebanon
APA-ASZ	Pakistan	OEA-OEZ	Austria
ATA-AWZ	India	OFA-OJZ	Finland
AXA-AXZ	Australia	OKA-CMZ	Czechoslovakia
AYA-AZZ	Argentina	ONA-OTZ	Belgium
AZA-AZZ	Botswana	OUA-OZZ	Denmark
BAA-BZZ	China	PAA-PIZ	Netherlands
CAA-CEZ	Chile	PJA-PJZ	Netherlands Antilles
CLA-CMZ	Cuba	PKA-POZ	Indonesia
CNA-CNZ	Morocco	PPA-PYZ	Brazil
COA-COZ	Cuba	PZA-PZZ	Surinam
CPA-CPZ	Bolivia	QAA-QZZ	International Abbrev.
CQA-CRZ	Portuguese Colonies	RAA-RZZ	U. S. S. R.
CSA-CUZ	Portugal	SAA-SMZ	Sweden
CVA-CXZ	Uruguay	SNA-SRZ	Poland
CYA-CZZ	Canada	SSA-SSM	United Arab Republic
DAA-DTZ	Germany	SSN-STZ	Sudan
DUA-DZZ	Philippines	SUA-SUZ	United Arab Republic
EAA-EHZ	Spain	SVA-SZZ	Greece
EIA-EJZ	Ireland	TAA-TCZ	Turkey
EKA-EKZ	U. S. S. R.	TEA-TEZ	Guatemala
ELA-ELZ	Liberia	TEA-TEZ	Costa Rica
EMA-EOZ	U. S. S. R.	TPA-TFZ	Iceland
EPA-EQZ	Iran	TGA-TGZ	Guatemala
ERA-ERZ	U. S. S. R.	THA-THZ	France & Territories
ESA-ESZ	Estonia	TIA-TIZ	Costa Rica
ETA-ETZ	Ethiopia	TJA-TJZ	Cameroon
EUA-EWZ	Belorussia S. S. R.	TKA-TKZ	France & Territories
EXA-EZZ	U. S. S. R.	TLA-TLZ	Central African Republic
FAA-FZZ	France & Territories	TMA-TMZ	France & Territories
GAA-GZZ	United Kingdom	TNA-TNZ	Congo (Brazzaville)
HAA-HAZ	Hungary	TOA-TQZ	France & Territories
HBA-HBZ	Switzerland	TRA-TRZ	Gabon
HCA-HDZ	Ecuador	TSA-TSZ	Tunisia
HEA-HEZ	Switzerland	TTA-TTZ	Chad
HFA-HFZ	Poland	TUA-TUZ	Ivory Coast
HGA-HGZ	Hungary	TVA-TXZ	France & Territories
HHA-HHZ	Haiti	TYA-TYZ	Dahomey
HIA-HIZ	Dominican Republic	TZA-TZZ	Mali
HJA-HKZ	Colombia	UAA-UQZ	U. S. S. R.
HIA-HMZ	South Korea	URA-UTZ	Ukrainian S. S. R.
HNA-HNZ	Iraq	UUA-UZZ	U. S. S. R.
HOA-HPZ	Panama	VHA-VNZ	Australia
HQA-HRZ	Honduras	VOA-VOZ	Canada
HSA-HSZ	Thailand	VPA-VSZ	British Colonies
HTA-HTZ	Nicaragua	VTA-VWZ	India
HUA-HUZ	El Salvador	VXA-VYZ	Canada
HVA-HVZ	Vatican City	VZA-VZZ	Australia
HWA-HYZ	France & Territories	WAA-WZZ	United States
HZA-HZZ	Saudi Arabia	XAA-XIZ	Mexico
IAA-IZZ	Italy & Areas Under Mandate	XJA-XOZ	Canada
JAA-JSZ	Japan	XPA-XPZ	Denmark
JTA-JVZ	Mongolian Republic	XQA-XRZ	Chile
JWA-JXZ	Norway	XSA-XSZ	China
JYA-JYZ	Jordan	XTA-XTZ	Upper Volta
JZA-JZZ	Western New Guinea	XUA-XUZ	Cambodia
KAA-KZZ	United States	XVA-XVZ	South Vietnam
LAA-LNZ	Norway	XWA-XWZ	Laos
LOA-LWZ	Argentina	XXA-XXZ	Portuguese Colonies
LXA-LXZ	Luxembourg	XYA-XZZ	Burma
LYA-LYZ	Lithuania	YAA-YAZ	Afghanistan
LZA-LZZ	Bulgaria	YBA-YHZ	Indonesia
MAA-MZZ	United Kingdom	YIA-YIZ	Iraq
NAA-NZZ	United States	YJA-YJZ	New Hebrides

YKA-YKZ Syria
 YLA-YLZ Latvia
 YMA-YMZ Turkey
 YNA-YNZ Nicaragua
 YOA-YRZ Roumania
 YSA-YSZ El Salvador
 YTA-YUZ Yugoslavia
 YVA-YYZ Venezuela
 YZA-YZZ Yugoslavia
 ZAA-ZAZ Albania
 ZBA-ZJZ British Colonies
 ZKA-ZMZ New Zealand
 ZNA-ZOZ British Colonies
 ZPA-ZPZ Paraguay
 ZQA-ZQZ British Colonies
 ZRA-ZUZ South African Republic
 ZVA-ZZZ Brazil
 2AA-2ZZ United Kingdom
 3AA-3AZ Monaco
 3BA-3BZ Mauritius
 3CA-3CZ Canada
 3GA-3GZ Chile
 3HA-3UZ China
 3VA-3VZ Tunisia
 3WA-3WZ South Vietnam
 3XA-3XZ Guinea
 3YA-3YZ Norway
 3ZA-3ZZ Poland
 4AA-4CZ Mexico
 4DA-4IZ Philippines
 4JA-4LZ U. S. S. R.
 4MA-4MZ Venezuela
 4NA-4OZ Yugoslavia
 4PA-4SZ Ceylon
 4TA-4TZ Peru
 4UA-4UZ United Nations
 4VA-4VZ Haiti
 4WA-4WZ Yemen
 4XA-4XZ Israel
 4YA-4YZ International Civil Aviation
 4ZA-4ZZ Israel
 5AA-5AZ Libya
 5BA-5BZ Cyprus
 5CA-5GZ Morocco
 5HA-5IZ Tanzania
 5JA-5KZ Colombia
 5LA-5MZ Liberia
 5NA-5OZ Nigeria
 5PA-5QZ Denmark
 5RA-5SZ Malagasy Republic
 5TA-5TZ Mauritania
 5UA-5UZ Niger
 5VA-5VZ Togolese Republic
 5WA-5WZ Western Samoa

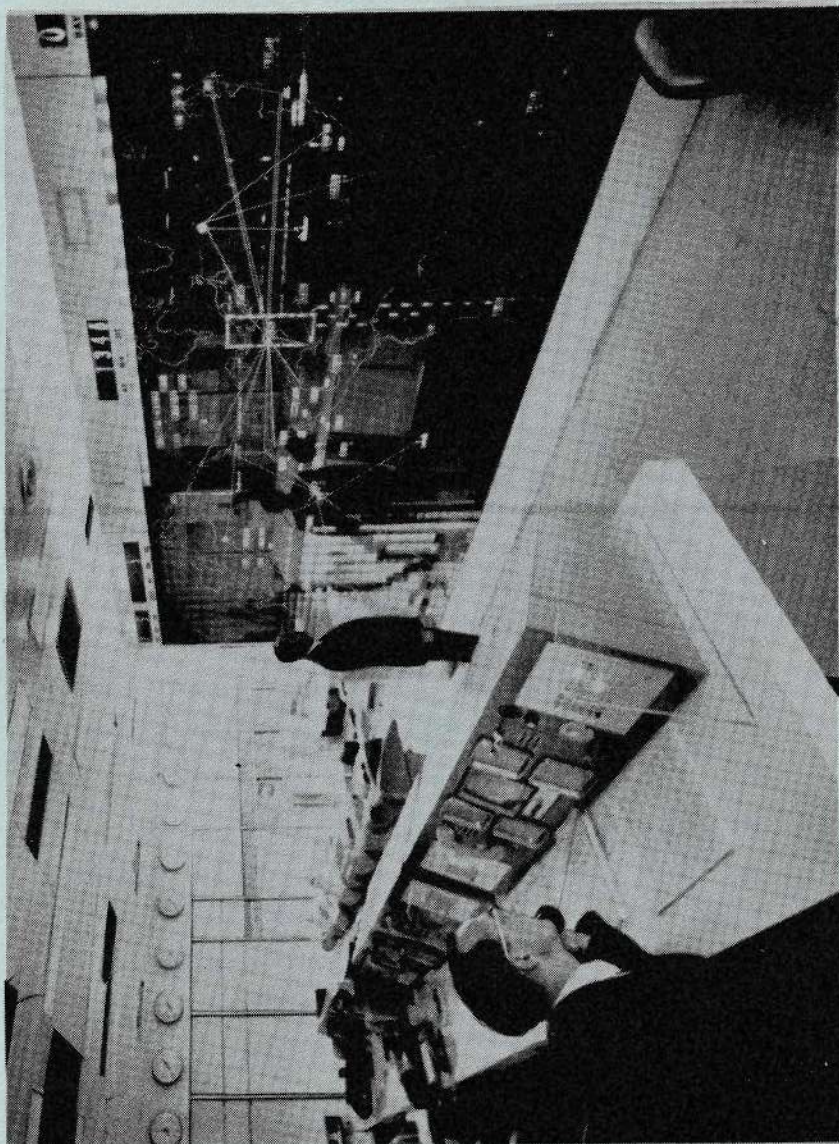
5XA-5XZ Uganda
 5YA-5ZZ Kenya
 6AA-6BZ United Arab Republic
 6CA-6CZ Syria
 6DA-6JZ Mexico
 6KA-6NZ South Korea
 6OA-6OZ Somali Republic
 6PA-6SZ Pakistan
 6TA-6UZ Sudan
 6VA-6WZ Senegal
 6XA-6XZ Malagasy Republic
 6YA-6YZ Jamaica
 7AA-7IZ Indonesia
 7JA-7NZ Japan
 7OA-7OZ South Yemen
 7PA-7PZ Lesotho
 7QA-7QZ Malawi
 7RA-7RZ Algeria
 7SA-7SZ Sweden
 7TA-7YZ Algeria
 8AA-8IZ Indonesia
 8JA-8NZ Japan
 8OA-8OZ Botswana
 8PA-8PZ Barbados
 8QA-8QZ Maldives
 8RA-8RZ Guyana
 8SA-8SZ Sweden
 8TA-8YZ India
 8ZA-8ZZ Saudi Arabia
 9AA-9AZ San Marino
 9BA-9DZ Iran
 9EA-9FZ Ethiopia
 9GA-9GZ Ghana
 9HA-9HZ Malta
 9IA-9JZ Kenya
 9KA-9KZ Kuwait
 9LA-9LZ Sierra Leone
 9MA-9MZ Malaysia
 9NA-9NZ Nepal
 9OA-9TZ Congo (Kinshasa)
 9UA-9UZ Burundi
 9VA-9VZ Singapore
 9XA-9XZ Rwanda
 9YA-9ZZ Trinidad & Tobago

Addenda:
 CFA-CKZ Canada
 VAA-VGZ Canada

Republic Observatory-Johannesburg, South Africa
 The two antennas and the large building on the
 end belong to the Republic Observatories time
 and standard frequency station ZUO.
 (Photograph courtesy of Republic Observatory)



Goddard Space Flight Center-NASA Control center for the NASCOM-NASA Communications Network. This facility is used for the communications during US Manned Space Flights. Information from Goddard is relayed to Houston. (Photo via NASA)



NASA

EMPRESA BRASILEIRA DE TELECOMUNICAÇÕES
EMBRATEL
Av. PRESIDENTE VARGAS, 1012/6º ANDAR
INTERNATIONAL DEPARTMENT

This confirms your reception of Aug. 21, 1970 at 03:24 GMT, and of Jul. 31, 1970 at 22:07 GMT. Transmitted text: "This is a station of EMBRATEL, Empresa Brasileira de Telecomunicações, located in Rio de Janeiro - Brazil, transmitting LF signals for circuits adjustment and identification."

Frequency: 19.820 KHz Power: 1,5 Kw
Antenna orientation: USA

BRAZILIAN EARTH STATION (TANGUÁ)

POST CARD

Dear. Mr. Steven Handler
Thank you for your reception report dated.
We are pleased to verify your report that you were listening to the our test transmission Service transmitting on HLA94 19,900KHZ in the 25 meter band between 16 KHZ with 30 KW R.F. out.

FROM: Korean Intol Telecommunications Bureau, Seoul Korea.

Signature B.S. Kim

TO: Mr. Steven Handler

401 Deney

Evanston, Illinois 60202

U.S.A.

AYUNG JOE KUKYUNG JOE PALACE



to: R. H. French, 2419 Rochelle Ave Apt 1831, Suitland MD 20028
USA

Antigua, November 20th, 1970

Confirming your reception of transmission from radiobeacon ZDX - frequency 369 kHz - heard at 0312-22 GMT on date November 8th, 1970.

Antenna: 140ft base loaded vertical radiator

Power: 800 Watts

Remarks: Transmitter Type 12GLX - One main, One on Standby with automatic changeover system.
Location: 1703N 6148W.

signature

