

# SWL NET

DECEMBER, 1989

VOLUME 19, NUMBER 12

## 3rd Annual Winter SWL Festival

February 23-25, 1990

Holiday Inn

Summerytown Pike

Kulpsville, Pennsylvania

The Winter SWL Festival is a good excuse for those folks with a common interest in the Shortwave Listening hobby to gather for a weekend of socializing and meeting other SWL's. Forums and roundtable discussions will be held on Saturday for those wishing to learn more about SWL'ing or to exchange tips and techniques. Decorations, clothing, display from clubs, and a banquet round out the weekend events.

### Registration Options -

FULL - All functions including forums, hospitality room, lunch and banquet - \$30

PARTIAL - Includes forums and hospitality room but NO meals - \$15

SPOUSE - Includes hospitality room and meals - \$15

Please register NO LATER than February 10, 1990. Checks should be made payable to WINTER SWL FEST. Registration for hotel rooms should be made directly to the Holiday Inn at (215)368-3800 - As soon as possible! Special rates - \$55 single, \$59 double. Our function code with the hotel is WINTER SWL FEST. Please refer to this to get the special room rates. Listen to the ANARC SWL NET on 7.240 at 1500 UTC Sundays for up to the minute info.

The Holiday Inn is located at EXIT 31 of the PA Turnpike NorthEast Extension - Lansdale Interchange. Limo service is available from Phila. Intl. Airport directly to the Holiday Inn.

Please submit the following form with your registration amount to:  
  
Winter SWL Festival  
PO BOX 591  
Colmar, PA 18951

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Phone \_\_\_\_\_

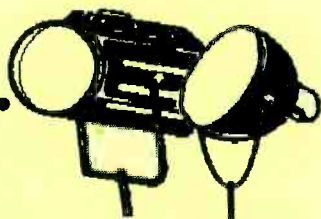
Circle one: FULL PARTIAL SPOUSE (Spouse Name \_\_\_\_\_)

Banquet choice: Roast Beef \_\_\_\_\_ Chicken \_\_\_\_\_

\*\*\*\*\*

- 2. SPEEDX SPOTLIGHTS, John Trautschold
- 4. OX MONTAGE, Ed Janusz
- 7. TECHNICALLY SPEAKING, Kent Willis
- 9. WHAT'S ON, Daniel Sampson
- 13. CONTINUOUS TUNING, Bruce MacGibbon
- 17. WESTERN HEMISPHERE, Thomas F Sable
- 20. EUROPE, Daniel Sampson
- 24. USSR, Jason Berri
- 26. AFRICA, Don Thornton
- 30. ASIA/OCEANIA, William Westenhaver
- 35. QSL REPORT, Ray Forsgren
- 38. UTILITY SCENE, Paul Lannuier

# Spotlight on...



edited by: John Trautschold

354 N. Winston Drive

Palatine, IL 60067-4132 U.S.A.

(with the help of the Altair 8800 & Atari 1040ST computers.....)

DECEMBER 1989

TOTAL CONTRIBUTORS: 57

1	ALLRED, BRENT	EC	ICF2010	3	HOWELL, JOE	CA
2	BARRERA, GABRIEL	AR	IC-R71D	4	HUNT, W.S.	FL R5000
6	BERRI, JASON	CA	R2000	5	JONES, DAVID	TN FR68800
5	BEVENS, EDWARD	MA		7	KARCHESKI, WALTER	MA R5000
6	BISHOP, FOREST	NY	RF4800	5	KUNKEL, ROLAN	CA DX440
1	BLIGHT, WILLIAM	MD	FR68800	1	LANDAU, ROBERT	NJ DX440
1	BRONOWICZ, MICHAEL	NJ	DX1000	3	LANGLOIS, HAROLD	FL
4	BROWN III, EDWARD	IL	ICF6800W	3	LEVISON, HAROLD	PA IC-R70
4	CARD, PETER	RI	NRD515	2	MATSUSHITA, YUKIMASA	JP RF2200
4	CARSON, JOHN	OK	SPR4	5	MILLER, WILLIAM	CA DX400
12	CICHOREK, EDWARD	NJ	FR68800	1	McNEIL, STEVE	MA
1	CONWAY, PETER	UK	TS930S	6	PARK, DALE	HI
5	D'ANGELO, RICH	PA	NC190	2	PRATH, JOHN	FL NRD525
3	DILLON, PETER	GR	DX400	3	REEVES, ROBBIE	OR ICF2010
1	DROLLINGER, RICK	WI	H0160	1	ROBINSON, BETSY	TN IC-R71A
1	ECKERT, JOHN	PA	R5000	3	ROGERS, JOHN	MA SPR4
1	EHLY, STEWART	IA	IC-R71A	2	RUSSELL, RICHARD	AL IC-R71A
1	EVANS, JAMES	TN	IC-R71A	1	SABLE, THOMAS	PA TS430S
5	FAMULARO, RALPH	JP	FR68800	1	SAMPSON, DANIEL	WI FR67700
6	FISCHER, GREG	WI	NRD525	1	SCHULSINGER, MICHAEL	04 R5000
3	FLYNN, BILL	CA	R2000	4	THOMPSON, PEGGY	CA FR67
1	FORSGREN, RAY	WI	FR67700	2	THORNTON, DON	NJ NRD525
6	FRASER, BOB	MA	XCR30	2	TRESCHER, FRED	PA FR67700
1	GEARS, GARY	IL	R5000	1	WEBER, DON	04 R2000
2	GEORGE, STEVE	MA	R5000	4	WESTENHAVER, WILLIAM	PQ ICF6500W
1	GERSTNER, JOHN	FL	DX1000	4	WILLERS, STEVEN	SW
1	GORDON, ANDREW	CT	NRD525	3	WOERING, HAROLD	MA R1000
3	HANSON, JEFFREY	WA		3	WRIGHT, PHILIP	NF DX400
1	HESS, ROBER		04			

THE FOLLOWING COLUMNS DIRECT CONTRIBUTIONS WERE NOT RECEIVED IN TIME:  
WEST. HEMIS/AFRICA/USSR/UTILITIES

THE FOLLOWING COLUMNS ARE INCLUDED FROM LAST MONTHS BULLETIN:  
WEST. HEMIS/AFRICA/ASIA/DXM

## ANOTHER NEW FULL MEMBER!

This month the honor goes to:

LARRY SAARIKKO.....NY

AND A BUNCH OF FIRST TIME  
CONTRIBUTORS!

ROBERT HESS...OVERSEAS

STEVE MCNEIL.....MA

W.S. HUNT.....FL

DALE PARK.....HI

ROBERT LANDAU.....NJ

## IF YOU GOT IT...SEND IT!

Huh? Well, material for this column, that is! I'm always looking for strange and unusual items for *Spotlights* so if you see something in your local newspaper, a magazine, a computer BBS, whatever, clip it out and send it in! You get credits towards full membership when you send in items. Naturally, they should be related to the radio hobby, but if it's *really* different....

ANARC BBS

We've talked about the ANARC BBS before,

but haven't mentioned anything about it recently, so now's as good a time as any to bring you up-to-date on this excellent radio related computer bulletin board service (BBS). Anyone with a computer and a modem (and of course the appropriate software) can dial into the BBS. There is a lot of activity between hobbyists, especially in the "echo" message conference. The neat thing about "echo" is that you can call a local BBS (assuming they participate in the FIDO echo network) and have your message transferred to the ANARC BBS, and vice versa. It saves you the toll call.

But even if you don't have access to an echo board locally, you can still dial in directly and take advantage of everything that the ANARC BBS has to offer. It's not just limited to shortwave enthusiasts, but broadcast band, scanners, television, etc. are represented on the BBS. You can participate in which ever sections you desire. It costs nothing to dial in, except for the phone call. If you're heavy into DXing or the hobby in general, this is a *must stop* for DX news and information.

The number your computer should dial for direct access is 913-345-1978. Typical communications parameters are 1200 baud, 1 stop bit, no parity, 8 data bits (8-N-1). (Those of you into computers know what I'm talking about...hil) It's easy to get in, so join in the fun now. And by the way, should you decide to call in, make sure to drop by the special SPEEDX message area and say hi to your sysop....ahem....that would be me!

## LATIN AMERICA BY RADIO

Bob Thunberg, our illustrious business manager, sent along some information about this new book that just hit the market. It was written by Henrik Klemetz and is being published by Tietoteos Publishing Company in Finland.

This book sounds very interesting. "The aim of this book is to unveil some lesser known aspects of Latin American broadcasting, also from a cultural and linguistic point of view. While

primarily intended for shortwave hobbyists, this book may also be of interest to: students of the Spanish language; travellers in South and Central America; readers interested in the role of broadcasting as a communications medium in Latin America and in third world countries in general.

"Henrik Klemetz is a well-known Swedish DXer who has travelled widely all over Latin America. As an expert on Latin America he is amongst the best in Sweden."

The book deals with the following topics:

- That special thing about Latin American Broadcasting
- How stations identify
- Some useful hints for identification
- Latin American music
- Newscasts
- Commercial and advertising formats
- An appendix with transcripts
- Vocabulary of broadcasting terms in Spanish and English
- QSLing techniques
- Currency exchange rates
- National Anthems
- Genitilios

I have not had a chance to personally review this book, but again it sounds quite interesting. It's not inexpensive, at \$23 U.S. *Latin American by Radio* can be ordered from:

Tietoteos Publishing Company  
P.O. Box 40, Ylaportti 1 A  
SF-02211 ESPOO  
FINLAND

Their international telephone number is 358-0-881133. They apparently accept U.S. dollars, and I would recommend you sending a bank draft (cashiers check) or money order as opposed to a personal check. Please let us know if you decide to purchase a copy. And make sure to send in a review of the book.

**WANTED:** Am looking for the following issues of SPEDX: ANY pre-1972 (Vol. 1); 1972 issues 7 & 12; 1973 issues 4-9; 1974 issues 2 & 5-12; 1975 all; 1979 issues 1, 2, 6, 8, 9, 11 & 12; 1980 issues 1-6, 8, 9, 11 & 12; 1981 issues 1-6, 8, 10 & 11; 1982 issues 1, 2 & 5; 1983 issue 2. Am willing to pay reasonable amounts. Al Quaglieri, P.O. Box 888, Albany, NY 12201-0888

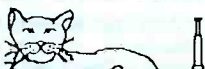
**FREE:** VHF-UHF DIGEST: 17 issues from 7/86-3/89. SOUTH AFRICAN SHORTWAVE LISTENER: 5 issues from 1988. 1988 FM ATLAS (11th edition, Elving). CONFIDENTIAL FREQUENCY LIST (7th edition). NATIONAL RADIO CLUB AM RADIO LOG (8th edition + 5 updates). RADIO LUXEMBOURG: THE STATION OF THE STARS by Richard Nichols. BROADCASTING IN AMERICA by Sydney W. Head (1956). SOFTWARE FOR AMATEUR RADIO by Joe Kasser, G3ZCZ (1984). GRANTHAM ELECTRONICS SERIES (5-book self-taught electronics course, circa 1966). Please, only one freebie per person...list two alternates. You pay postage. First come, first served, mail only: Al Quaglieri, P.O. Box 888, Albany, NY 12201-0888.

**FOR SALE:** NRD-525 with matching NVA-88 speaker, CMH-532 computer interface and cables. Datacom software to control 525 via computer, all cables, manuals and boxes. Absolutely mint condition. \$1000 + shipping.

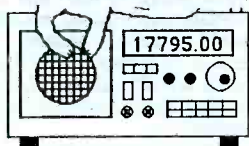
M7000 with FAX and Real Time options, monitor, cables, manuals and box. All in mint condition. \$950 + shipping.

NRD-515 with x10 knobpot, matching NVA-515 speaker and NDH-518 96 channel memory unit, boxes and manuals. Excellent condition. \$900 + shipping. Gerald Ano, 4512 Hickory Grove Drive, Acworth, GA 30101. 404-426-7764

**FREEBIES:** Early issues of SPEDX, FRENDX, MT, POPCOMM, DXLD & misc. F.O.B. San Jose, otherwise all for free from Bill Flynn, WDX6AF, 1933 Minto Drive, San Jose, CA 95132-1824.



PAY NO ATTENTION TO THIS CAT!



# DX Montage

Ed Janusz

Box 149

Bricktown, NJ 08723

H1. My typewriter's working again, and, thanks to the marvelous science of chiropractic, so's my back. But since there has been no known medical cure for writer's block, let's start off with some pearls from our new Managing Editor and our veteran Treasurer, and hope that I can get my act together in the interim.

\*

Hello! Old column editors don't always fade away--they sometimes return as Managing Editors. I'm pleased to be writing you as the new Managing Editor of SPEEDX.

For those of you who are relative newcomers to the club, let me tell you something about myself. I am 39 years of age (and holding) and have been a SWLer for 21 years. I joined SPEEDX in 1972 and started the column "Program Panorama" in April 1978. For ten years, I presented that column in the pages of SPEEDX. I am an attorney by occupation, and enjoy long walks and observing the "Big Three" sports.

While I have never served as a Managing Editor for a SWL club, I have served under some fine ME's, including the late Oliver Ellsworth. With your help, we will continue to make the SPEEDX bulletin the best there is!

One new development of note is the creation of the SPEEDX Editorial Committee. This five-member committee consists of the Managing Editor, the Publisher, a BOD representative (Rich D'Angelo), and two column editors (Paul Lannuier and Daniel Sampson). The purpose of the EC is to create a forum for a regular, frank, and creative discussion on the editorial content of our bulletin. EC members are appointed by the SPEEDX BOD.

I encourage any members who are interested in editing a column to contact me. Let me know what areas your interests lie in.

73, Woody

Woody Seymour, Jr.  
P. O. Box B48  
Sanford, NC 27330

Thanks, Woody. Until now, we've been without a Managing Editor for about a year, which meant that a lot of hasty, ad hoc, and probably ill-considered decisions were made right here at yer Publisher's office. I owe a debt of gratitude to many SPEEDXers, in particular Rich ("Only One Area Code Away") D'Angelo for hours of sensible and enthusiastic advice.

Speaking of sensible, let's hear from Bob Thunberg....

As 1989 draws to a close, we, the staff of SPEEDX, wish to thank the following members who have so generously made donations to the FRIENDS OF SPEEDX fund during the past year:

Harold Woering	John P. Gunter	Richard Lemke
Cary Garrison	Frank Engelberts	Jeffrey Hanson
James Kline	Ralph Famularo	Christopher Mullin, Sr.
Bruce MacGibbon	Frank Schlinke	Ron Downing
Gary Froemming	Gary Gears	Mike Hardester
Allan Radella	Donald Berhent	one anonymous donor

The FRIENDS OF SPEEDX is an ongoing program and we are still accepting monetary donations in any amount that you, the member, can afford. All those who contribute at least \$10.00 will receive a certificate of appreciation, AND NOW, those who donate \$25.00 or more will receive, in return, a SPEEDX felt pennant.

We, the hard-working SPEEDX staffers, realize that it is difficult to keep a non-profit SWL hobby-related club financially viable when there are many commercial publications available to the radio-listening public. Your contributions to the FRIENDS OF SPEEDX will go a long way in keeping our club financially strong throughout the 1990's and into the 21st Century!

Once again, thanks to all who have already made donations to the FRIEND OF SPEEDX, and we hope to hear from more of our members during the coming year. All donations should be sent to: SPEEDX HQS, P.O. Box 196, DuBois, PA 15801-0196 USA.

Happy Holidays and all the best in 1990 from the SPEEDX staff & Board of Directors!  
And thank you, Bob!

\*

#### ABOUT OUR COVER...

I guess it's pretty self-explanatory. Please note that I got the dates wrong last month, and adjust your calendars accordingly. I suppose I should apologize, but I don't know how I got anything done last month; the magazines were actually a couple of days late going out because I couldn't even carry them out to the truck until my chiropractic session.

As usual, the Winter SWL Fest will have a series of forums on topics of both general and specialized interest to all variety of DXers. I've had a lot of fun at the last two, and hope to see many more of you there this year.

#### CANADIAN CONTENT

Ace reporter Bill Westenhaver was given the assignment of finding out what happened to Dorota Kocienska, the recently replaced co-host of RCI's "Listeners' Corner." It turns out that Dorota was on a "temporary production assistant" contract, which was not renewed; apparently, RCI is not hiring anyone on a full-time basis these days.

As regular listeners have noted by now, her place on the programme has been taken by Judith Sauve, who, besides being very personable, was already on the payroll (and overworked at that) as Director of Audience Relations.

I hope that all of you who have enjoyed RCI's superb programming through the years have written your letters of support by now. Even professional pride (which the RCI staff has in abundance) cannot compensate forever for the uncertainty surrounding the station's future, because eventually it gets impossible to cope with that kind of situation.

#### SPEEDXers IN THE NEWS

I hope that by next month I can tell you exactly where to hear Gary Gears, a SPEEDXer and veteran radio man who has been signed to do an oldies-request programme on KUSW. Here's your first request, Gary: "The Glory of Love" by the Velvetones--that's the version with the mordantly cynical rap ("I hold in my hand, dear, three letters, three letters from the stages of your fine, fine, superfine career..."): A ravin' fave here. Last month, I praised the article in PROCEEDINGS 1989 about Brasil, but misattributed it: It was actually by John Fisher. (Don Moore wrote another article, about QSLing Latins, which was also very good).

I can't tell you who Japan Radio Corporation's new Assistant Director of Transceiver Marketing is, but why has our "Utility Scene" editor, "Park Avenue Paul," been buying all these threads? Downtown!

#### LEAFING THROUGH THE DX PRESS

Here is a provocative essay, reprinted (glommed, actually) from Fine Tuning # 532, written for FT by Kirk Allen.

*I recently received a very nice letter from a veri-signer at one of the more difficult stations to verify. He was responding to a thank-you letter I'd written him for answering my reception report. In his note, he informed me that, after answering many letters during the last several months, I was so far the only one who had written to thank him...I sensed a bit of frustration from him, and I don't blame him. This was very disappointing for me to hear. Granted, with the rising cost of postage, and perhaps time constraints, it's often difficult to send thank-you notes to stations who do us the favor of answering our reports. (But) it seems that the vast majority of QSLers don't bother to practice sending thank-you's at all, even to very rare verifiers. After speaking to several DXers still trying to verify the Cook Islands, I believe that this might be the case with the former v/s there, Nooroa E. Tangoroa. No doubt he's not the only one who has tired of answering reports with little response in return. Perhaps all of us should broaden our perspectives a little and try to think more of others in their QSLing efforts. Let's not depend on "the other guy" to make up for our failing to realize these are humans we're dealing with, and certainly not QSLing machines. Give it more serious thought, or we might someday find ourselves in a no-QSL situation...and mainly because more of us didn't "bother."*

Thank you, Kirk. This is indeed something to think about.  
(Fine Tuning is a 2-or-4 page flash sheet published weekly during the

DX season, bi-weekly during the summers, which is primarily concerned with rare and obscure DX. Subscriptions are \$5.00 for 12 issues [or multiples thereof], available from P. O. Box 780075, Wichita, KS 67278. Please note that this is a different address from that which I've given for their various book publications in recent months).

THE 1990 WRTH: IT'S NOT HERE, BUT IT'S ALMOST HERE

...and Gilfer Shortwave is running a pre-publication special: \$16.95, a saving of \$3.00 off the cover price.

Gilfer's generosity extends to the new Radio Directory by the editors of the M Street Journal: This volume--a comprehensive, 600+ page encyclopedia of North American AM and FM stations, including Arbitron and Birch/Scarborough ratings for over 100 markets--is available for \$24.95, a \$5.00 saving. It's highly recommended for the domestic DXer.

(Gilfer, Box 239, Park Ridge, NJ 07656. Add \$2.00 per book for UPS shipping; New Jersey residents add 6% sales tax. Directories are in stock, and will be shipped immediately; WRTH's shipped on receipt, probably in early January).

RUN UP YOUR PHONE BILL

...and talk to your friends at HCJB's "Musical Mailbag." Yep, they're having an hour-long phone-a-thon on December 16 (UTC Saturday; 02:00 for North America, 07:30 for Europe and the South Pacific). On January 20, you can talk to Brent Allred, when "DX Party Line" has its own call-in show (same UTC times).

The number is (your international access code, followed by) 593-2-241560. (This is a special circuit which is only activated for call-ins).

Radio RSA will also be having its annual New Year's Eve call-in. I don't have the phone number for this, but you can probably catch it on any edition of "DX Corner" or "P. O. Box 4559" between now 'n' then.

DOWN UNDER

Radio Australia--yet another station facing budget cuts--has discontinued the newsletter which it was sending to its most reliable reporters (Jane de Faye, in the 11/89 CIDX MESSENGER). You can, however, get a copy of their newly revamped programme lineup by writing. (I heard a phone number for them on this morning's "Communicator," but I didn't write it down; I was still trying to figure out why I'd set the timer on my Sony to go off on Sunday morning, and finding (a) my glasses (b) a notebook (c) a pen at an hour which I consider rather unearthly even when I'm supposed to be up...well, there's much I will do for SPEEDX, but I have my limits).

Anyway, the new lineup does sound interesting, although I'll miss "Window on Australia," which has been (temporarily, I think) retired. I listen to good ol' 9580 most weekday mornings, for a few minutes, anyway: The Commonwealth has much to answer for musically (AC/DC), but some of the C&W they play is pretty cool (especially Slim Dusty--I love that name!), the news is tops, and the presentation is as mellow as you could ever hope for.

THE WRAP

I hope that some of you will take Woody Seymour's words to heart. Staff positions do open up from time to time; and, if a columnist has to retire, we'd like to be able to move along in a reasonably smooth fashion. We don't care if you're not a "DX Superstar" or if you don't have \$6,000 worth of equipment; a functioning typewriter/wordcruncher, and the ability to meet yer sorry old Publisher's deadline, are far more important.

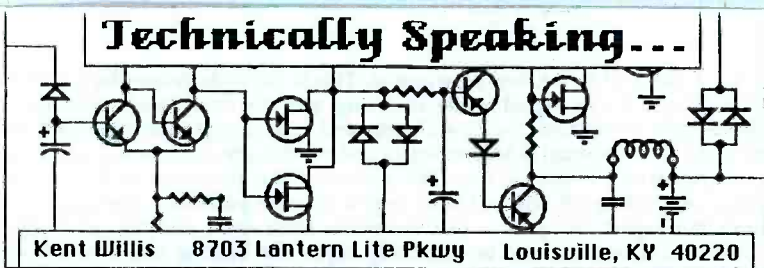
In fact...anybody want to explore the whacky world of publishing? It's not that difficult, and it's actually a lot of fun. No, I'm not quitting. But we don't have a backup publisher (a few people have investigated, but either the local printer is an alcoholic, or charges too much, or something); and I sometimes worry about what happens if my back goes South for good, or if I get mononucleosis. If you have any interest, or any questions, please get in touch with me. Again, I'm not retiring; it's just that, with a solid Managing Editor in place and the Board elections out of the way, it's time to deal with a little contingency planning.

\*

The Contest will be back next month. Till then, 73's and best wishes for a peaceful and joyous Holiday season,

*Eddie*

PS I really need some of these guys; can't find 'em except in Philly, and it's tough getting there when the store is open. Send a receipt, and the SPEEDX Slush Fund will reimburse you!



Welcome to all. First, let me thank all of the SPEEDX "full members" who participated in the recent BOD elections. A special thank you to those nine who accidentally voted for me-hi! (Does anybody want to buy a new, never used acceptance speech?) Congratulations to Ed, Bill and Rich. I know you will serve SPEEDX and the hobby well.

Congratulations to Greg Fischer of LaCrosse, Wisconsin who won the highly desired issue of Popular Communications for his "indoor helical antenna" article. Greg found the article in a semi-recent issue of "Hands On Electronics". Because of copyright restrictions, I can not present it here. If you are interested, drop me a note and I will find you a copy of the magazine. The antenna incorporates a helical winding of multi-conductor TV antenna rotor wire around a 6 to 8 foot section of PVC plumbing. There is a flaw in the author's reasoning concerning how this antenna achieves "full wavelength" performance, but the antenna is simple to build, inexpensive and will probably provide acceptable performance with most modern solid-state receivers that have good sensitivity.

The subject of antennas is probably as controversial as it is complicated. All engineers and designers study the same set of Maxwell's Equations and the rest of the laws of physics, but they certainly all do not totally agree on the explanations of why certain antennas perform better than others. This month we are going to discuss directional antennae for short wave frequencies and hopefully explain why they don't work so well at frequencies above about 5 Mhz. This article is actually a heavily condensed portion of my 50 page monograph entitled "Simplified Theory, Design And Construction Of Air Core And Ferrite Loop Directional Antennas For Medium And Short Wave Receiving Applications" which is almost ready for publication.

#### Principles Of Directional Antennas for Short Wave Receiving Applications

Wouldn't it be wonderful if we could simply point an antenna toward a desired station or country and hear only the desired signal with little or no interference from other signals on the same frequency from other parts of the world? It would certainly help "country chasers" increase their totals. SW listeners who also DX the medium wave BCB have probably wished on many occasions that they could "null" undesirable SW signals to the same extent they can null out BCB signals and listen to stations from other directions. Unfortunately, what is "easily" accomplished at low frequencies (below 2 MHz) is very difficult (even impossible) at most SW frequencies. "Gee, Kent...how come?"

The two most important limitations are the nature of the EM wave we are trying to intercept and the nature of the propagation path, i.e., the ionosphere. An EM wave may arrive at our antenna via one (or both) of two major routes. It may propagate by a more or less direct ground wave path with a very low angle of elevation. Or it may travel via a combination of ionospheric refractions coupled with earth surface reflections.

Signals arriving via the surface wave will generally be vertically polarized, depending upon the frequency to some degree. The polarization is nothing more than the spatial orientation of the electrical field vector. Low Frequency (3 to 300 kHz), Medium Frequency (300 kHz to 3 MHz) and High Frequency (3 to 30 MHz) surface (ground) waves will generally be vertically polarized. High frequency, i.e., shortwave signals, which have been refracted from the ionosphere will arrive at our antenna elliptically polarized, regardless of their transmitted polarization. A wave's electric field vector will always be perpendicular to the magnetic field vector but random variations in phase and amplitude of multiple waves arriving at a point simultaneously will produce a composite wave. This composite wave, in

general, has a truly random polarization. This is the main reason for the difficulty in nulling out one signal while receiving another from some other direction. Because the polarization varies with time and may change noticeably within a few moments, it is impossible to completely and continually null out any one signal for any appreciable length of time. For example, you may successfully null out an undesired SW signal with a loop antenna in some particular orientation only to have the signal reappear a few moments later, even without touching your antenna. You would have to constantly adjust the bearing and azimuth (tilt) to compensate for the time-varying polarization of the signal. Remember, the shortwave signal that arrives at your listening point hasn't traveled like a "bullet" from the transmitting antenna straight to your receiving antenna. The signal is often a mix of several waves which have taken slightly different paths on their journey, only to arrive out of phase at your antenna and partially cancel each other out from moment to moment, producing signal fading in the receiver. Medium wave (broadcast band) signals, in contrast, do tend to arrive at the antenna by a more or less direct or line-of-sight route. As a result, it is easier to turn a "loop" style antenna perpendicular to the direction of the undesired arriving signal and effectively eliminate it.

Loop antennas of both the air-core or "hollow" variety as well as magnetically loaded loop antennas (wound over ferrite rods) can be constructed which will show some degree of directionality for frequencies up to a maximum of about 5 Mhz. A couple of years ago I successfully "de-emphasized" TGNC (Radio Cultural, Guatemala 3300 kHz) in order to log and QSL Radio Burundi operating simultaneously on 3300 kHz using a small air loop I designed especially for the 90 MBI! Above 5 Mhz, the time varying polarization of multiply arriving waves make it extremely difficult to obtain satisfactory directional response. Because of the difficulty in obtaining a true HF null, you don't find many manufacturers offering air loop or ferrite rod antennas for the SW bands. They simply are not very efficient, and they won't be, until someone finds a way to maintain the transmitted polarization over great distances in the HF portion of the electromagnetic spectrum. This would be easy to do; we only have to change the laws of physics!

All antennas have directional characteristics with a maximum response in some particular direction, with the exception of a true "small" vertical single element antenna. Such an antenna has essentially "isotropic" response. The common air core or box loop antennas used by MW DX'ers electrically combine the signal energy from the two opposite ends of the loop. This exploits the amplitude difference between the the signal that arrives at one edge and the signal that arrives at the other. The voltage induced at one vertical side of the loop is different than the other. Vectorial (electrical) addition of these two signals produces a composite signal which is a maximum when the plane of the loop is parallel to the direction of the arriving signal. The voltage is at a minimum ("nulled") when the plane of the loop is perpendicular to the direction of the signal. The signals arriving at either end of a ferrite rod antenna behave analogously.

It is important to remember that the nulled position is not unique. Because of the physical and electrical symmetry of a balanced loop or ferrite rod antenna, there are two positions of maximum and minimum response. The two directions of minimum response are perpendicular to the plane of the loop and 180 degrees apart. The two directions of minimum response of a ferrite rod are parallel to the width (the shortest dimension). Medium wave DX'ers exploit this fact to null out even local BCB stations, usually to log another station on the same frequency. Loop antennas are also very useful for reducing interference from very strong local and semi-local AM broadcasters, because they can significantly reduce adjacent channel (typically +/- 10 kHz) slop or "spillover".

In summary, if multiple skywave signals from a particular SW broadcaster are arriving simultaneously with time-varying polarization it would be impossible to null the station. Much to the dismay of SW DX'ers it is much easier, for example, for an Alabama AM BCB DX'er to null out WTBF (970 kHz, Hamilton, Alabama) and listen to WRKN (970 kHz, Brandon, Mississippi) than for an Alabama SW DX'er to null out R. Sofia (9700 kHz) and receive R.Nacional, Angola on the same frequency. The main reason is the difference in nature between the sky-wave and "ground wave dominant with minimal skywave" signals.

73's & GREAT DX,  
KENT.





# WHAT'S ON

ENGLISH BROADCAST TO NORTH AMERICA



Daniel Sampson P. O. Box 31 Independence, WI 54747-0031

UTC Time	Station	Notes	Frequencies
0000-0030	kol Israel	---	11605; 9435; 9385
0000-0050	R. Pyongyang, N.K.	---	15160; 15115
0000-0100	KUSW, U.S.A.	---	15580
0000-0100	R. Beijing, China	---	11715Mi; 9770; 9665
0000-0100	R. Moscow, U.S.S.R.	NAm svce	21470; 17720; 17700; 17605; 15425; 12050; 9720Bu; 9685; 7310; 7150; 7115Bu; 6045; 6000Cu
0000-0100	R. Sofia, Bulgaria	---	15330; 11660
0000-0100	WYFR, U.S.A.	---	17612.5; 9680; 9660
0000-0130	R. Canada Int'l	Tu-Sa	9755; 5960
0000-0200	R. Australia	---	17795; 15320
0000-0200	R. Canada Int'l	Su-M	9755; 5960
0000-0200	R. Havana Cuba	---	11820
0000-0200	REE, Spain	---	11880; 9630
0000-0200	WSHB, U.S.A.	---	7400
0000-0230	BBC, U.K.	---	9915; 9590S; 7325; 6175S; 5975An
0000-0400	WRNO, U.S.A.	---	7355
0000-0600	WHRI, U.S.A.	---	9495; 7355
0000-0610	CBCNQSWS, Canada	not all EE	9625; 6195
0000-2400	CFCX, Canada	---	6005
0000-2400	CFRX, Canada	---	6070
0000-2400	CFVP, Canada	---	6030
0000-2400	CHNX, Canada	---	6130
0000-2400	CKFX, Canada	---	6080
0030-0055	BRT, Belgium	---	9925
0030-0100	R. Budapest, Hung.	M-Sa	15160; 11910; 9835; 9585; 9520; 6110
0030-0100	R. Kiev, U.S.S.R.	---	17690; 15455; 15180; 9800; 9765; 7400
0030-0100	R. Korea, S. Korea	---	15575
0030-0125	R. Norderland	---	15315B; 6165B; 6020
0030-0130	HCJB, Ecuador	---	15250
0035-0500	HCJB, Ecuador	---	15155; 11775; 9745
0045-0130	RBI, G.D.R.	---	11890; 6080
0050-0110	Vatican R.	---	15180; 11780; 9605
0100-0120	RAI, Italy	---	11800; 9575
0100-0130	kol Israel	---	11605; 9435; 9385
0100-0130	R. Japan	Reg svce	17775
0100-0130	R. Korea, S. Korea	---	15575
0100-0145	R. Yugoslavia	---	11735; 6005; 5980
0100-0150	DW, F.R.G.	---	11865; 9735; 9565Ma; 6145; 6085Ma; 6040An
0100-0157	R. Prague, Czech.	---	15540; 13715; 11990; 9625; 9540; 7345; 6055; 5930
0100-0200	R. Moscow, U.S.S.R.	NAm svce	21470; 17720; 17700; 17605; 15425; 12050; 9720Bu; 9700; 9685; 7310; 7150; 7115Bu; 6045; 6000Cu
0100-0200	WYFR, U.S.A.	---	15440; 5950
0100-0300	KUSW, U.S.A.	---	11695
0130-0140	V. of Greece	---	11645; 9420; 9395
0130-0200	R. Austria Int'l	---	13730; 9875; 9870
0130-0200	R. Budapest, Hung.	---	15160; 11910; 9835; 9585; 9520; 6110
0200-0230	kol Israel	---	11605; 9435; 9385
0200-0230	SRI, Switzerland	---	17730Br; 12035; 9885; 9725; 6135; 6095
0200-0245	RBI, G.D.R.	---	11890; 6080
0200-0250	R. Nacional, Brazil	---	11745
0200-0300	R. Argentina Ext.	---	11710; 9690
0200-0300	R. Bucharest, Rom.	---	11940; 11830; 9570; 9510; 6155; 5990
0200-0300	R. Moscow, U.S.S.R.	NAm svce	17720; 17700; 15425; 12050; 12010; 11710; 9720Bu; 9700; 9685; 7310; 7150; 7115Bu; 6045; 6000Cu
0200-0300	R. RSA, S. Afr.	---	11935; 9615; 9580
0200-0300	VOFC, Taiwan	---	15345; 9680Wy; 5950Wy
0200-0330	R. Cairo, Egypt	---	9675; 9475
0200-0400	R. Australia	---	17795

RELAYS--An-Antigua, B-Bonaire, Br-Brazil, Bu-Bulgaria, By-Bethany, Cu-Havana, F-Singapore, Gu-French Guiana, Ma-Malta, Mi-Mali, S-Sackville, Sp-Spain, Wy-WYFR

UTC Time	Station	Notes	Frequencies
0200-0450	R. Havana Cuba	---	11820; 9710
0200-0600	WYFR, U.S.A.	---	9505; 5950
0200-0800	WSHB, U.S.A.	---	9455
0230-0245	R. Budapest, Hung.	Tu-W,F-Sa	15160; 11910; 9835; 9585; 9520; 6110
0230-0300	R. Portugal	Tu-Sa	9705; 9680; 9600
0230-0300	R. Sweden	---	11705; 9695
0230-0300	R. Tirana, Albania	---	11825; 9760
0230-0330	BBC, U.K.	---	9915; 7325; 6175S; 5975An
0230-0430	R. Baghdad, Iraq	---	9515
0245-0330	RBI, G.D.R.	---	15125; 11890; 11785; 6080
0300-0330	R. Japan	Reg svce	21610; 17825; 15325Gu
0300-0330	R. Kiev, U.S.S.R.	---	17690; 15455; 15180; 9800; 9765; 7400
0300-0350	DW, F.R.G.	---	9605An; 9545; 6130; 6085S
0300-0357	R. Prague, Czech.	---	15540; 13715; 11990; 9625; 9540; 7345; 6055; 5930
0300-0400	R. Beijing, China	---	17855; 11715Mi; 9770; 9690Sp
0300-0400	R. Earth, U.S.A.	Tu	9495; 7355
0300-0400	R. Japan	Gen svce	5960S
0300-0400	R. Moscow, U.S.S.R.	NAm svce	17700; 15425; 12050; 12010; 11710; 9895; 9700; 9685; 7310; 7150; 7115Bu; 6045; 6000Cu
0300-0400	VORC, Taiwan	---	15345; 9680Wy; 5950Wy
0300-0430	TWR-Bonaire, N.Ant.	Tu-Sa	11930; 9535
0300-0500	KUSW, U.S.A.	---	9815
0300-0530	TWR-Bonaire, N.Ant.	Su-M	11930; 9535
0310-0327	Red Cross, Switz.	---	12035; 9885; 9725; 6135 -- Nov 28, Dec 1, Jan 2, Jan 5, Jan 30, Feb 2, Feb 27, Mar 2
0310-0330	Vatican R.	---	11725
0330-0357	R. Finland	---	15185; 11755
0330-0400	R. Dubai, U.A.E.	---	17890; 15435; 15400
0330-0400	R. Tirana, Albania	---	11825; 9760
0330-0425	R. Nederland	---	11720B; 9590B
0330-0430	BBC, U.K.	---	9915; 6175S; 5975An
0340-0350	V. of Greece	---	9420; 9395; 7430
0350-0400	R. Yerevan, U.S.S.R.	---	17690; 15455; 15180; 9800; 9765; 7400
0400-0430	R. Bucharest, Rom.	---	11940; 11830; 9570; 9510; 6155; 5990
0400-0430	SRI, Switzerland	---	12035; 9885; 9725; 6135
0400-0445	RBI, G.D.R.	---	15125; 11785
0400-0450	V. of Turkey	---	9445
0400-0500	R. Argentina Ext.	---	11710; 9690
0400-0500	R. Beijing, China	---	11695
0400-0500	R. Moscow, U.S.S.R.	NAm svce	15180; 12050; 11790; 11710; 9895; 9825; 9505; 7270; 7230
0400-0500	R. Moscow, U.S.S.R.	---	9765; 7310; 7150; 6000Cu
0400-0500	R. Sofia, Bulgaria	---	15290; 11765; 11750
0400-0600	WRNO, U.S.A.	---	6185
0430-0500	BBC, U.K.	---	5975An
0430-0500	R. Tirana, Albania	---	11835; 9480
0445-0530	RBI, G.D.R.	---	15125; 11785
0450-0600	R. Havana Cuba	---	11820
0500-0515	kol Israel	---	17575; 11605
0500-0530	BBC, U.K.	---	9640An; 5975An
0500-0550	DW, F.R.G.	---	9700; 9670An; 6120; 5960
0500-0600	R. Beijing, China	---	11840
0500-0600	R. Japan	Gen svce	17825; 11870
0500-0600	R. Moscow, U.S.S.R.	NAm svce	17770; 11790; 9895; 9505; 7345; 7270; 7230; 7185; 7175; 5905
0500-0600	R. Moscow, U.S.S.R.	---	9765; 7310; 7150
0500-0600	RBE, Spain	---	9630
0500-0700	HCJB, Ecuador	---	11775; 9720; 6230
0500-0700	KUSW, U.S.A.	Su	6175
0530-0545	BBC, U.K.	---	9640An; 9510An; 5975An
0530-0600	R. Austria Int'l	---	6015S
0545-0730	BBC, U.K.	---	9640An; 5975An
0600-0700	R. Moscow, U.S.S.R.	NAm svce	11790; 9825; 9505; 7345; 7270; 7260; 7230; 7185; 7175; 5905
0600-0800	R. Havana Cuba	---	11835
0600-0800	WHRI, U.S.A.	---	9495; 6100
0600-0800	WYFR, U.S.A.	---	6065; 5950
0600-1200	WRNO, U.S.A.	Su	6185

RELAYS--An-Antigua, B-Bonaire, Br-Brazil, Bu-Bulgaria, By-Bethany, Cu-Havana, F-Singapore, Gu-French Guiana, Ma-Malta, Mi-Mali, S-Sackville, Sp-Spain, Wy-WYFR

UTC Time	Station	Notes	Frequencies
0700-0800	R. Korea, S.Korea	---	11830; 9570
0700-0800	R. Moscow, U.S.S.R.	NAm svce	9825; 9580; 9505; 7345; 7270; 7260; 7230; 7185; 7175; 5905
0700-0800	VOFC, Taiwan	---	5950W
0700-1100	KUSW, U.S.A.	Su	6135
0730-0815	BBC, U.K.	---	9640F
0800-0830	R. Norway Int'l	Su	15165
0800-1100	WHRI, U.S.A.	---	7355
0800-1130	R. Australia	---	9580
1000-1045	RBI, G.D.R.	---	11890
1000-1400	WSHB, U.S.A.	---	6150
1030-1100	BBC, U.K.	---	9740F
1055-1257	TWR-Bonaire, N.Ant.	M-F	15345; 11815
1055-1332	TWR-Bonaire, N.Ant.	Su	15345; 11815
1055-1400	TWR-Bonaire, N.Ant.	Sa	15345; 11815
1100-1130	kol Israel	---	21780
1100-1150	R. Pyongyang, N.K.	---	11735; 9977; 9600
1100-1200	R. Japan	Gen svce	6120S
1100-1200	R. Moscow, U.S.S.R.	Wld svce	17840; 17810; 6000Cu
1100-1300	R. Beijing, China	---	9665
1100-1300	WHRI, U.S.A.	---	11790; 7520
1100-1330	BBC, U.K.	---	11775An; 9740F; 5965S
1100-1500	KUSW, U.S.A.	Su	9850
1130-1200	HCJB, Ecuador	---	11740
1130-1200	R. Austria Int'l	---	21475
1130-1400	R. Australia	---	9580; 6060
1200-1225	R. Finland	M-F	21550; 15400
1200-1230	R. Norway Int'l	Su	15165
1200-1300	R. Moscow, U.S.S.R.	Wld svce	21660; 17840; 17810; 6000Cu
1200-1300	WYFR, U.S.A.	---	15375; 5950
1200-1400	CBCNQSW, Canada	not all BB	9625; 6065
1200-1400	WRNO, U.S.A.	Su	9715
1200-1600	HCJB, Ecuador	---	17890; 15115; 11740
1230-1300	R. France Int'l	---	21635; 17650
1235-1245	V. of Greece	---	17550; 15630; 11645
1300-1325	R. Finland	M-F	21550; 15400
1300-1330	R. Yugoslavia	---	15325; 15165; 11735
1300-1350	R. Pyongyang, N.K.	---	11735; 11335; 9600
1300-1400	R. Canada Int'l	M-F	17820; 11855; 9635
1300-1400	R. Moscow, U.S.S.R.	Wld svce	21660; 17840; 17810; 11840Cu
1300-1400	WHRI, U.S.A.	---	11790; 9465
1300-1600	WYFR, U.S.A.	---	15375; 13695; 11830; 5950
1330-1345	BBC, U.K.	Su	11775An; 5965S
1330-1355	BRT, Belgium	M-Sa	21810
1330-1515	BBC, U.K.	---	9740F
1400-1425	R. Finland	M-F	21550; 15400
1400-1500	R. Australia	---	9580
1400-1500	R. Finland	Sa-Su	21550; 15400
1400-1500	R. Moscow, U.S.S.R.	Wld svce	21660; 17840; 17810; 11840Cu; 9895; 9755; 7345; 7260; 7170; 5980
1400-1500	WHRI, U.S.A.	---	15105; 9465
1400-1600	R. Beijing, China	---	7405
1400-1600	R. Japan	Gen svce	9505
1400-1600	R. RSA, S. Afr.	---	21535
1400-1600	WRNO, U.S.A.	Su	11965
1400-1600	WSHB, U.S.A.	---	13760
1400-1700	R. Canada Int'l	Su	11955
1400-2330	CBCNQSW, Canada	not all BB	11720; 9625
1500-1600	BBC, U.K.	Sa-Su	15260S; 11775An
1500-1600	R. Korea, S. Korea	---	15575; 9750
1500-1600	R. Moscow, U.S.S.R.	Wld svce	17840; 17810; 11840Cu; 9895; 9755
1500-1600	WHRI, U.S.A.	---	21840; 15105
1500-2200	KUSW, U.S.A.	---	15650
1530-1600	R. Sweden	---	21610; 17880
1535-1545	V. of Greece	---	17535; 15630; 11645
1600-1630	HCJB, Ecuador	---	17890; 15115
1600-1630	R. Norway Int'l	Su	21705; 17840
1600-1700	R. Moscow, U.S.S.R.	Wld svce	17840; 17810; 11840Cu; 9895; 9755; 7345; 7260; 7150; 5980

RELAYS--An-Antigua, B-Bonaire, Br-Brazil, Bu-Bulgaria, By-Bethany, Cu-Havana, F-Singapore, Gu-French Guiana, Ma-Malta, Mi-Mali, S-Sackville, Sp-Spain, Wy-WYFR

UTC Time	Station	Notes	Frequencies
1600-1700	WHRI, U.S.A.	---	21840; 15105; 13760
1600-1745	BBC, U.K.	---	15260S; 11775Am
1600-2100	WRNO, U.S.A.	---	15420
1600-2300	WYFR, U.S.A.	---	15375; 15170; 13695; 11830
1700-1730	R. Norway Int'l	Su	15305
1700-1800	R. Japan	Gen svce	9505
1700-1800	R. Moscow, U.S.S.R.	Wld svce	17840; 15405; 12050; 11840Cu; 9755; 7345; 7280; 5980
1700-1800	WHRI, U.S.A.	---	15105; 13760
1800-1900	R. Moscow, U.S.S.R.	Wld svce	15425; 15405; 12050; 11840Cu; 9895; 9860; 9755; 9685; 5980
1800-2100	R. Kuwait	---	13610
1800-2400	WHRI, U.S.A.	---	17830; 13760
1900-1930	R. Afghanistan	---	9635; 6020; 4760
1900-1930	R. Japan	Gen svce	9505
1900-2000	R. Moscow, U.S.S.R.	Wld svce	17840; 15425; 15405; 12050; 11840Cu; 9895; 9860; 9755; 9685
1930-2000	R. Yugoslavia	---	11735; 7125; 5980
1930-2030	VOIRI, Iran	---	9022
2000-2030	kol Israel	---	15640; 9855
2000-2100	R. Moscow, U.S.S.R.	Wld svce	15425; 15405; 12050; 11840Cu; 9895; 9860; 9755; 9685; 7290
2000-2200	WSHB, U.S.A.	---	15610; alt. 13770
2005-2105	R. Damascus, Syria	---	15095
2100-2200	R. Moscow, U.S.S.R.	Wld svce	15425; 12050; 11840Cu; 9870; 9860; 9755
2100-2300	WRNO, U.S.A.	---	15420; alt. 13720
2105-2205	R. Damascus, Syria	---	17710; 12085
2200-2225	BRT, Belgium	---	9925
2200-2245	R. Yugoslavia	---	9660; 9620; 7215
2200-2245	RBI, G.D.R.	---	9730
2200-2300	R. Argentina Ext.	---	11710; 9690
2200-2300	R. Moscow, U.S.S.R.	Wld svce	17720; 17700; 15425; 15405; 12050; 9870; 9860; 9755; 7150
2200-2400	BBC, U.K.	---	9915; 9590S; 7325; 6175S
2200-2400	KUSV, U.S.A.	---	15580
2200-2400	R. Australia	---	17795; 15320
2200-2400	V. of UAE	---	13605; 11985; 9595
2200-2400	WSHB, U.S.A.	---	9455
2230-2300	kol Israel	---	11605; 9385
2245-2330	RBI, G.D.R.	---	9730
2300-2330	R. Norway Int'l	Su	9605
2300-2330	R. Vilnius, U.S.S.R.	---	15580; 15455; 9700; 7480
2300-2350	R. Pyongyang, N.K.	---	13650; 11735
2300-2350	V. of Turkey	---	9445
2300-2400	R. Moscow, U.S.S.R.	NAm svce	21470; 17720; 17700; 17605; 15425; 12050; 9870; 9720Bu; 9685; 7150; 7115Bu; 6045
2300-2400	WRNO, U.S.A.	---	15420; alt. 13720; alt. 7355
2300-2400	WYFR, U.S.A.	---	17612.5; 9680; 9660
2330-2400	CBC/QSVS, Canada	not all BR	9625; 6195
2330-2400	R. Tirana, Albania	---	11825; 9760; 6085

RELAYS--An-Antigua, B-Bonaire, Br-Brazil, Bu-Bulgaria, By-Bethany, Cu-Havana, F-Singapore, Gu-French Guiana, Ma-Malta, Mi-Mali, S-Sackville, Sp-Spain, Wy-WYFR

# CONTINUOUS TUNING

Editor: Bruce MacGibbon  
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DECEMBER 1989

Deadline is the 12th of the month

AUSTRALIA - Radio Australia - The 50th Anniversary: On Wednesday December 20th Radio Australia staff will join a large group of guests to celebrate our half century. We hope that the Prime Minister, the Minister for Broadcasting, the Australian Broadcasting Corporation's Managing Director and representatives from our colleague broadcasters will be present. Much of what happens will be rebroadcast by the English Service which will of course maintain its 24 hour service even on this special day. However Wednesday December 20th will have quite a different flavour to it. Make sure to be listening. (WRTH Downlink 9/89) but more appropriate in this month's column. (bmm)

CHINA - Radio Beijing EE Language Sked from 11/6: ECNA: 0000-01 9665, 9770, 11715; 03-04 9690, 11715; 04-05 11695; 05-06 11840; 11-12 & 12-13 9665; WCNA: 03-04 9770, 17855; 04-05 11695; 05-06 11840; 14-16 7405; Europe: 20-21 & 21-22 6920, 9920; 22-2230 3985; SE Asia: 12-13 & 13-14 9530, 11699, 11660; S.Asia: 14-15 & 15-16 11795, 15165; S.Pacific: 0830-0930 & 0930-1030 17710, 15440, 11755; 12-13 15450, 11600; 13-14 11600; E. & S. Afr: 16-17 15130, 15110, 9570; 17-18 11575, 9570, 9500; 20-21 15110; 21-2130 15110, 11715; W. & N. Afr: 19-20 6955, 9440; 20-21 9440, 11715. (Lifang, Audience Relations, Radio Beijing.)

Radio Beijing's Regular Features (following the news, commentaries, \*Current Affairs): Sun: China Anthology, Music Album, Listeners' Letterbox; Mon: The Business Show (Biweekly), Learn to Speak Chinese; Tue: Listeners' Letterbox (rebroadcast); Wed: Learn to Speak Chinese (rebroadcast) Thu: Culture in China; Fri: In the Third World; Sat: Travel Talk, Cooking Show, Music from China. \* = Current Affairs is a regular program (Mon - Fri) presenting an in-depth look at major news and feature stores across China.

#### Highlights of Features for December:

Music Album: A four-part series on China's first Golden-record winners.

Listeners' Letterbox: Wild animals have close ties with human beings. But now they seem to be threatened by industrial pollutions and frequent harasses of men. This is like a show hanging about in the world. But what about China, since it has so many well-known wildlives? Are there animals in the danger of becoming extinct? Listeners' Letterbox on December 3rd and 5th will answer this question. Then tune into our Listeners' Letterbox program on December 17th & 19th for more about China's vigorously developing industries.

Culture in China: The Mongolian Nationality is a people with rich and colorful culture. Tune in to Radio Beijing's "Culture in China" on December 7th for the last part of the series on the nationality, featuring the well-known Mongolian singer Dedma, and her beautiful songs.

Travel Talk: Liaoning province in northeast China is known to the outside world as a heavy industrial base in China, rather than a scenic spot. However, it's still a place that boasts many historical sites and charming landscapes. In December, Travel Talk will take you to Liaoning for an "armchair tour" of the Province. Remember, Travel Talk will be heard on Dec. 2nd, 9th, 16th and 23rd.

China Anthology: 60 years ago, on the 2nd of December, Chinese archaeologists found in suburban Beijing a skull of a primitive man. It was determined to be 600,000 years old. This important discovery has aroused great interest among archaeologists of generations both at home and abroad. China Anthology will feature the discovery and its influence on the 3rd of December to mark the important event. (Lifang, Audience Relations, Radio Beijing)

Local DJ to broadcast over Radio Beijing - From the 23 Oct 89, Portland, Oregon 'Downtowner', in Sheldon Baker's Column, "Baker Sez":

How about the efforts of ex-KISN (the original KISN, that is), DJ Roger Morgan. He's put together a radio program to be broadcast over

Radio Beijing this spring anchored by fascinating authoress Chin-ning Chu. American music, commentary—the first show of its kind ever aired in the Middle Kingdom. But it's pure demographics of the thing that are tantalizing: Morgan's estimate places the potential listenership at 50 million. The line to buy ad time forms over there behind all those capitalists.

Did you know that Chinese maps place China smack-dab in the center of the world? OK, you did, well, the Chinese have a name for their country which translates to "All Beneath the Sky," and on that note I'm going to "Hunan" for dinner... (Ed note: a local restaurant in Portland, OR.)

I (bmm) talked to Roger W. Morgan, who is employed by 'Northwest News Network'. His telephone # is 503-223-6769. I asked him why the article said 'Radio Beijing' when actually to be broadcast over "China People's Broadcasting" and he said because advertisers recognize the name Radio Beijing. He said that J. Walter Thompson and Ogilvy-Mather, two large New York advertising firms, represent major advertisers. They both have offices in Beijing and have done 'Listener's Surveys'. He told me that this program was going to be of Entertainment w/music by Kenny Rogers, Neil Diamond, Michael Jackson, etc. and Social Commentary, like "How to Better your Life" and "Social Etiquette." The program would be anchored by noted author Chin-Ning Chu, who authored "China Mind Game", which is about 'Business Tactics of Asian People'. The sponsors so far are a major fast food chain & soft drink company (but was not at liberty to give me their names just yet.)

The name of the program (on China People's Broadcasting) is "The Different Faces of the World" and is an hour long program of contemporary music from various countries including the U.S. as well as commentary from Chin-ning. Some programs have already been shipped to the 'People's Broadcasting Station' for their approval.

I asked him how he could succeed whereas 'Chin-America' didn't. Thought Chin-America had been out of business now for about 6 months. He didn't know who had hosted that program. Wondered if I had any tapes of their programming. He would like to hear it. I don't, but if any 'SPEEDX Members' do, if they could send me a copy, I would appreciate it very much.

Chin-Ning Chu is the key to the success of this program. (From my association with the "Northwest Regional China Council", I understand she has quite a few friends in China) (bmm). Roger W. Morgan told me she is also soon to debut on the "Business Radio Network in America". Note: I have been unable to contact Chin-Ning Chu to talk to her, but I have a personal friend that knows her, so hopefully I can get her comments on this exciting venture. (bmm)

FINLAND - Radio Finland Published Sked t/3/24/90: 0000-0025 EE, 0025-0040 FF on 11755, 9560 N & SAm; 0625-0640 GG, 0730-0755 EE on 11755, 9560, 6120 Eur; 09-0925 EE 21550, 17800 Australia; 11-1130 GG, 1130-1145 FF 15325, 15115 Eur & W.Afr; 1150-1215, 13-1325, 16-1625 EE (Mon-Fri) & 16-1645 (Sat) & 16-17 (Sun) 21550, 15400 NA; 1930-1945 EE, 1945-20 FF 11755, 9530, 6120 Eur & W.Afr; 2045-22 GG 6120 Eur; 22-2225 EE 6120 Eur, 11755 E.Asia; 2330-24 GG 6120 Eur. A speciality on the international airwaves - a news roundup in classic Latin is broadcast at the end of most of our English transmissions between 0930 Sun & 13 Mon. (John Carson, OK)

GERMAN DEMOCRATIC REPUBLIC - RBI's announced EE Sked to NA: ECNA: 22 9730; 2245 9730, 13690; 0045 & 02 6080, 11890, 13690; 0245 6080, 11890; 04 13690; 0445 15240; WCNA: 0245, 04 & 0445 11785, 15125. (bmm)

Announcers statement on RBI on 11/6: M "Our daily news bulletins, commentaries and reports have told you in recent days and weeks that a process of change has been set in motion in our country. We sometimes speak of a turn in developments and you may have been asking yourselves what exactly this implies? Is everything going to be turned upside down and what about the things that Radio Berlin International told you in the past? Was it true? It is true and will remain true that the German Democratic Republic is a state firmly rooted in Socialism. It is true and will remain so that this state is fully committed to anti-facism and a safeguarding of peace and that it acts accordingly. It is true and will remain true that we're committed to solidarity with all those struggling for their national and social liberation and that we demonstrate this commitment by our actions. It is true that much has been accomplished in our republic, but it is regrettably also true that there have been problems and contradictions in our development and the diversity that did not receive due attention in public life in the GDR and that were therefore also without due reflection in our broadcasts.

We have to admit that our programs were largely about that sunnyside of life here and therefore reflected only part of the reality of our society. Public life in the GDR is now determined by a more realistic view of what has been accomplished and what we have not yet accomplished. By the open naming of shortcomings and mistakes, by discussion with those who take a critical view of our past ideas of what socialism should look like, by debate with those who hold dissenting views, and by the search for ways in which this countries communists can sincerely and comradly work together with all others who also wanted socialism. In short, public life in the GDR today is marked by a genuine and democratic new departure towards a modern socialism fit for our modern times. This is the reality and we who work as journalists at Radio Berlin International, accept the challenge .... We accept in all seriousness that it is our duty to be faithful chroniclers of our time and at the same time act as contributors to development. We are going about our tasks in all seriousness, as I said, but also with pleasure. I'm certain that in future many of your questions about our country, including those you never asked us will be answered more fully or even for the first time. Especially questions about the background to events and development about their interdependence and about developments that are still in the making. Doors that have been hitherto been closed to the media and also doors we're too lazy or afraid to push open in the past are now beginning to open. This will enable us to give you wider and deeper insight into our country. We now need your frank and sincere opinions and comments more than ever before, and I promise, in the name of the entire staff of Radio Berlin International, that we'll answer all your questions frankly and honestly."

GUAM - KTRW's Published Sked from 11/5: Africa: EE 16-17 11910; Australia: EE 0930-11 11805; China: Cantonese: 1345-15 11830 & 2145-23 11650; Hakka (Mon-Wed) & Swatow (Thu-Sun) 1330-1345 11830 & 2130-2145 11650; Mandarin: 09-16 11665; 09-12 15485; 0930-1030 11710; 12-1330 9590; 12-15 9870; 15-16 9820; 22-24 11665; 23-2345 15265; 23-2345 15485; Far East: 08-0930 15210; India: All on 11910. 1330 Bora (Mon-Fri), Hindi (Sat-Sun), 1345 Soura (Mon-Wed), Kurukh (Thu-Sun), 14 Tibetan (Mon-Wed), Nepali (Thu-Sun), 1415 Dogri (Mon-Tu), Hindi (Wed-Thu), Gamit (Fri-Sun), 1430 Assamese, 1445 Santali, 15 Tamil, 1545 Malayalam. EE: 15-1705 on 11650; Indonesia: Indo 1030-12 15240, 22-2330 15420; Japan: JJ 12-1330 9785, 21-22 15485; Russia: RR 0830-09 11665, 11-12 11805. (John Carson, OK)

ISRAEL - Rheset Bhet announced sked 11-5-3/3: \*04-0610 9455, 9385, 7410; 0610-12 21760, 17545, 15615; 12-1625 21760, 17590, 17545, 15615, 11585; 1625-1730 17545, 15615, 11655, 11585, 9455; 1730-19 15615, 9455, 9385; 19-2310\* 11655, 11585, 9455, 9385. (bmm)

MONGOLIA - R. Ulan Bator's anncd EE sked: Oceania: 0910-0940 12015, 9615; Far East: 12-1230 12025, 9615 except Tue & Fri; S.Asia: 1445-1515 15305, 9645, 9575; Eur: 1940-2010 12050, 4080. (Yukimasa Matsushita, Japan)

SWITZERLAND - A Brief History of Swiss Radio Int'l: 1934 - First experimental broadcast to the Americas. 1935 - In the autumn, regular shortwave broadcasts begin in German, French and Italian, using the transmitter at Prangins in Western Switzerland belonging to the League of Nations. 1939 - The first Swiss shortwave transmitter goes into service at Schwarzenburg, near Berne. (It was destroyed by fire and rebuilt in 1940.). 1941 - The start of regular broadcasts in English, Spanish and Portuguese. 1946 - Transmitter power, 25 kW in 1939, is increased to 100 kW. A seventh language, Esperanto, is introduced to the programme schedule. 1954 - The double task of the Shortwave Service is defined in the new charter granted to the Swiss Broadcasting Corporation by the government: "The shortwave transmissions should serve to strengthen the ties linking Swiss residing abroad with their homeland, and should help to promote Switzerland's image abroad." 1955 - The International Club of Shortwave listeners conducts a survey which places the Swiss in second position in the list of the world's most popular stations. 1961 - The retirement of Paul Borsinger, founder of Swiss Radio International and its director since the 1930s. He is succeeded by Gerd H. Padel. 1962 - The Swiss Shortwave Service is recognised as a separate organisation within the framework of the Swiss Broadcasting Corporation. It introduces an international news service, the first in Switzerland. 1963 - The Swiss government approves financial proposals which for the first time provide for involvement by the Confederation in meeting the costs of the Shortwave Service. 1964 - Arabic is officially introduced as a language

for broadcasts by the Swiss Shortwave Service. 1965 - Joel Curched becomes director of the Swiss Shortwave Service. 1970 - A new program concept is implemented. For each audience, throughout the world, at least once a day there is now a half-an-hour devoted mainly to Swiss and international current affairs. 1971 - The Swiss Shortwave Service introduces its ninth language: Romansch, the four national language. 1972 - Transmitter power is further increased, from 25 to 100 and subsequently from 100 to 250 kW. It now reaches 500 kW with a new transmitter near Sottens in Western Switzerland. Its rotating antenna is the most modern in the world. 1977 - The Confederation decides to withdraw its financial contribution to the Swiss Shortwave Service. SBC takes over all the costs. 1978 - The Swiss Shortwave Services becomes Swiss Radio International. 1984 - After several moves in parliament and elsewhere, with a mind to financial security and a competitive technical infrastructure, the government submits to Parliament the proposal for a decree on shortwave programmes aimed abroad which provides for a contribution by the Confederation of 50% of the costs of programme production and transmitting abroad. 1985 - Swiss Radio International introduces a new programming concept. (John Carson, OK)

UNITED KINGDOM - BBC's Christmas Program Highlights: Christmas Eve Phone-In: Christmas is a time of giving, a time to think of those less fortunate than ourselves. But how can we really help the poor, the refugees, the starving and the destitute children? And are the problems growing worse? Such questions are sure to come up in a live international "phone-in" on Christmas Eve, presented by Margaret Percy. She will be joined by a guest with a first-hand knowledge of international work with refugees and charities.

If you call and it is decided to put you on air to ask your question, the BBC will phone you back. The telephone lines will be open on the 24th at 1200 and the programme goes out live between 1400 and 1500 (with edited repeats 2330, Mon 0630). Numbers to ring are London 379-7444 (from outside Britain) or London 379-0411 (in Britain) In Praise of God - 3rd, 10th, 17th, 24th on Suns 1030 rep 1715 (ex 24th), Mons 0030 (ex 25th) Radio Fun at Christmas - Russell Davies introduces excerpts from classic Christmas comedy shows. We hear the voices of The Goons-Peter Sellers, Spike Milligan and Harry Secombe. Then there's Kenneth Horne w/Kenneth Williams and others in Round the Horne; Tony Hancock and friends in Hancock's Half-Hour; and Gillie Potter, Ronnie Barker and Bernard Braden. The Cast of Dad's Army also provide some seasonal laughs. Sat 23rd 0330 rep Sun 2030, Mon 1330. Words of Faith - The speaker during Christmas week is the Archbishop of Westminster, Cardinal Basil Hume. Daily from week beginning Sat 23rd 0540 rep 0809, 2025. Festival of Nine Lessons and Carols - It all started with a Christmas Eve Service devised by E W Benson, later Archbishop of Canterbury in 1880. It was introduced at King's College, Cambridge in 1918, first heard on radio ten years later, and apart from 1929 has been broadcast by the BBC every year since. Sun 24th 1502 rep Mon 0030, 0935. Looking for a King - Sun 24th 1715 rep Mon 0330, 1401. The Queen's Speech - The Queen's Christmas broadcast continues a tradition begun by her grandfather George V 57 years ago. 0930 ME 639, 720kHz MW (these freqs also carry the Festival of Nine Lessons and Carols at 0935); Australia 9640; Caribbean 6195; 1500 N & Cam 15260 & 9515; Caribbean 11775 and 6195; SAM 17830 & 15390. Mon 25th 0930 rep 1500 & 2300. Maggie's Ten Year Turkey - As the snow drifts over Downing Street, Maggie's mind drifts back over the magic moments of a decade of dominance. Denis sips a case of vintage port. The Two Cheers team provides the chestnuts. Wed 27th 1530 rep Thurs 0030, 1030. Drama - Fat Susan and the Christmas Turkey - Sat 23rd 0130 rep 1115, 2115. In the Bleak Midwinter - Sat 30th 0130 rep 1115, 2115. Plays of the Week: Crisp & Even Brightly - Sun 24th 0045 rep 1145, 1845. Short Story - The Waits - Sun 24th 1630, rep Mon 1245, 2009. Music: A Radio Christmas Card - Sat 23rd 1615 rep Mon 0815, 2030. Concert Hall - A special programme of Christmas music, including unusual carols from around the world. Mon 25th 1615 rep Tues 2315. Multitrack - Find out what's in the Christmas top twenty best-selling singles chart by tuning into Multitrack 1 on Christmas Day 25th. Then on Wednesday of Christmas week in Multitrack 2 you can hear the UK top twenty singles of 1989. 27th. In the Final Multitrack 3 of the decade Sarah Ward looks back over ten years of musical innovation and experiment, and surveys the current scene to see what the '90s might bring. Multitrack 1: Mons 1830 rep 2330, Tues 1215; 2: Weds 1830 rep 2330, Thurs 1215; 3: Fris 1830 rep 2330, Sats 1215. & don't miss "The End of the '80s Show on Sun 31st 2315. (Dec 89 'London Calling'). Happy Holidays & Happy New Year 1990! Bruce



**WESTERN HEMISPHERE**

logs by the 12th of the month to:

Thomas F. Sable  
University of Scranton  
Scranton, PA 18510**ALASKA\*\*\*KNLS\*\*\***7355 1602 "Great American Country" (323 11/2 Park-HI)  
9785 0704 RR;EE lessons on puns, ID (343 11/5 Famularo-JP)  
9840 0800 IS, ID, schedule, country mx (222 1031 Park-HI)  
12025 2000 JJ; Chariots of Fire IS; YL IDs, country mx hosted by OM with  
American accent (222 11/3 Westenhover-QU)**ANTIGUA\*\*\*Deutsche Welle relay\*\*\***6040 0100 DW EE; Newline Koin; editorials (423 10/10 Wright-NF)  
6160 0906 DW EE; world nx, E German refugees, peace in Angola 333 10/20  
Famularo-JP)  
17860 1000 DW PP; Nx, solar energy (454 10/15 Wright-NF)**BRAZIL\*\*\*Swiss Radio International relay\*\*\***4885 0255 R Clube do Para ID, vocals, ads (433 10/21 Rogers-MA)  
6180 0855 R Nacional ID, TC, mx, ads (323 10/26 Famularo-JP)  
11745 0200 R Bras mx, talk (545 10/23 Miller-CA) (Bevens-MA)  
17730 0210 SRI Dateline: East Germany; Icelandic-Swiss relations (222 10/18  
Brown-IL)  
17815 0059 R Cultura, Sao Paulo Full ID, TC, Brazilian oldies  
(11/3 Westenhover-QU)**CANADA\*\*\*Radio Beijing relay\*\*\*Radio Japan relay\*\*\*Radio Austria International relay\*\*\***5960 0122 RJ China to buy more US wheat; Sri Lankan civil war (444 10/24  
Brown-IL) (Bevens-MA)  
5960 0052 RCI "Spotlight on Science" (343 10/22 Thompson-CA)  
6005 1129 CFCX Magic Memories jingle, nx by Joe King (433 11/1 Westenhover-  
QU) (Bishop-NY)  
6015 0535 RAI East German exodus, Mozart manuscripts (222 10/9 Park-HI)  
6070 1229 CFRX Morning drivetime show, sw station address for reports (444  
10/30 Westenhover-QU) (Brown-IL)  
6120 1150 RJ TV's effect on babies (454 10/25 Fraser-MA)  
6160' 0840 CKZU classical mx, Sixties rock mx (232 11/4 Famularo-JP) (Wright-NF)  
6175 2345 BBC "A Jolly Good Show" (555 10/14 Bevens-MA)  
9625 1708 CBC "Royal Canadian Air Farce" (333 10/22 Cichorek-NJ)  
9755 0015 RCI Auditor General's report (444 10/25 Brown-IL) (Reeves-OR)  
11840 0425 RB Economic criminals urged to confess (333 10/18 Fischer-WI) SS;  
ID, classical mx program (433 10/12 Fischer-WI)  
13670' 1833 RCI Listeners' Corner on Canadian lottery habits (454 11/5  
Westenhover-QU)  
15150 2141 RCI African nx (455 10/27 Bevens-MA)  
15260 1515 BBC Symphonic mx, composers' profiles (333 10/22 Brown-IL)  
15425 1233 RCI FF; Talk, ID, nx (232 10/17 Berri-CA)**CHILE\*\*\*Radio Nacional\*\*\***

15140 0032 TC, soccer scores (444 10/22 Thornton-NJ) (Cichorek-NJ)

**CLANDESTINE**

9942 0400 V C.I.D. Mx, ID, "Happy Birthday" (354 10/16 Hanson-WA)

**COLOMBIA\*CARACOL\***4865 0750 V Cinaruco vocals, YL talks over instrumental, local ID, Cadena  
ID (343 10/31 Thompson-CA) (Fischer-WI) (Bishop-NY)  
4895 0109 V Rio Arauca LA mx and songs (333 10/20 Bishop-NY)  
4915' 1015 Armonias del Caqueta OMs talk, mention Colombia (233 11/3 Tim  
Johnson-IL)  
5075 0814 CC Neiva phone-in, ballad by OM (343 10/31 Thompson-CA) (Bishop-  
NY) (Hunt-FL) (Wright-NF)  
6160 2335 R Colombia Nacional IDs, OMs, nx mentions Bush and US 322 10/24  
Prath-FL)

**COSTA RICA\*\*\*Adventist World Radio\*\*\*Radio for Peace International\*\*\***

5030 0432 R Impacto SS YL (555 10/28 Bevens-MA) (Bishop-NY)  
6006 0840 R Reloj Pop, EZL mx, ID as "Numero Uno in Costa Rica" (222 10/10 Fischer-WI)  
9725 1156 AWR ID as TIASD, inspirational EZL mx (343 11/1 Westenhaver-QU)  
13660 0127 RPI ID, Station address, "World of Radio" (433 11/3 Westenhaver-QU)  
21565 2050 RPI Astrophysicist interview (233 10/15 Berri-CA) (Prath-FL)  
25945 2245 RPI "World of Radio" "Mailbag" (444 10/24 Prath-FL)

**CUBA\*\*\*Radio Rebelde\*\*\*Motherland relay\*\*\*Radio Habana Cuba\*\*\***

4765 2300 R Rodina RR; nx (433 10/18 Rogers-MA)  
5025 0205 RR American rock (333 10/29 Tim Johnson-IL)  
11760 0454 RHC EE; Jazz (555 10/28 Bevens-MA)  
11820 0232 RHC EE; Jazz (444 10/23 Ehly-IA)  
11875 0016 RHC Nx, mx, IS, ID (343 10/22 Berri-CA)  
11950 0227 RHC Mx and DJ talk (433 10/23 Ehly-IA)  
15155 1330 RHC Nx with OM YL, ID (233 10/24 Berri-CA)

**DOMINICAN REPUBLIC**

6025 0400 R Amanacer EE; Christian hymn, IS (323 10/22 Fischer-WI)

**ECUADOR**

4680 0235 R Nacional Espejo talk, TC, ID (242 10/21 Rogers-MA)  
4920 0122 R Quito OM talks (333 10/20 Bishop-NY)  
5040 0058 V Upano And3ean mx, ID, TC (333 10/20 Bishop-NY)  
5050 1010 R Jesus Gran Poder religious talk, mx, ID (444 10/7 Rogers-MA)  
6050 0245 HCJB Religious program, SS mx (322 10/19 Fischer-WI)  
9585 0313 HCJB RR; Heraldng horns IS, ID (222 10/11 Park-HI)  
9745<sup>d</sup> 0554 HCJB EE; nx, "Ham Radio Today" with HC1RT (433 11/2 Park-HI)  
11775 0500 HCJB EE; SA nx (555 10/28 Bevens-MA)  
15155 0215 HCJB Musical Mailbag; new sticker (544 10/27 Reeves-OR) (Hunt-FL) (Fraser-MA)

**FRENCH GUIANA\*\*\*Radio France International relay\*\*\***

17620 2257 PP; freqs, nx, pips (343 11/3 Park-HI)

**GUATEMALA**

3300 0259 R Cultural EE; Religious program (243 10/16 Bevens-MA) (Bishop-NY)  
3325 1050 R Maya VV; Organ mx, ID, OMs (353 10/11 D'Angelo-PA)  
4835 0131 R Tezulutan Religious program with OM (433 10/20 Bishop-NY)  
4845 0251 R Kekchi SS; EZL mx, ID (343 10/22 D'Angelo-PA)

**HAITI\*\*\*4VEH\*\*\***

4930 1040 Creole; messages for listeners, ID, OM talks (343 10/18 Rogers-MA)

**HONDURAS**

4820 0500 V Evangelica Religious program, Christian mx (333 10/14 Fischer-WI) (Bishop-NY) (Hunt-FL)

**MEXICO**

6115 0440 R Universidad de Sonora Classical mx, opera (444 10/21 Miller-CA)  
6185 0940 R Educacion soft vocals, ID (343 10/23 Rogers-MA) (D'Angelo-PA)  
9555 2320 La Hora Exacta Ads, promos, time (232 10/23 Prath-FL)

**NETHERLANDS ANTILLES\*\*\*TransWorld Radio\*\*\*Radio Nederlands relay\*\*\***

6135 0030 RN EE; Red Cross appeal for aid to Ethiopia 333 10/26 Brown-IL)  
6165 0043 RN Newline: Construction project (333 10/22 Reeves-OR)  
9505<sup>d</sup> 1052 EE; "Mind Your Own Business" (322 11/4 Park-HI)  
9535 0300 TRW EE; Caribbean Corner, ID, address (333 11/4 Brown-IL) (Reeves-OR)  
9590 0510 RN SS; little comedy bit (434 10/14 Park-HI)  
9630 0752 RN EE; "Media Network" R Tirana contest winner (323 10/9 Park-HI) (Wright-NF)  
11815 1337 TWR Religious program (344 10/28 Bevens-MA)  
11890<sup>d</sup> 1030 RN EE; "Happy Station" (333 10/22 Park-HI)  
11930 0313 TWR "Pastor to Pastor" (444 10/26 Reeves-OR)  
15315 0115 RN Research File: disposable diapers (333 10/24 Reeves-OR)(Wright-NF)  
15345 1245 TWR EE; Religious program, ID (232 10/17 Berri-CA)  
21685 1850 RN EE; "Happy Station" (222 10/16 Park-HI)

PERU

- 4790 0945 R **Atlantido** ID, pop mx, talk (343 10/21 Tim Johnson-IL)
- 4810 0955 R **San Martin** NA, ID, announcements, ads, Peruvian vocals (252 10/3 D'Angelo-PA)
- 4935 1015 R **Tropical** Commercials, ID, mx (243 10/21 Tim Johnson-IL)
- 5030 0955 R **Los Andes** LA vocals, IDs, TCs (10/7 Rogers-MA)
- 5560' 2358 V **Cutervo** OM chats, YL vocals, mentions "Cajamarca" (333 10/21 Thornton-NJ)

PIRATES\*\*\*

- 7355 0306 **Hope R 16 America** IDs, Cosby as Noah (353 10/21 D'Angelo-PA)
- 7403 1426 **Hope R 16 America** IDs, Pirates Den (454 10/15 D'Angelo-PA)
- 7407 2201 R **USA** OM with Rock tunes (252 10/28 D'Angelo-PA)
- 7410 2223 V of the **Abnormal** Yukon Jack Halloween Special (353 10/28 D'Angelo-PA)
- 7410 2240 **Tangerine R International** Hilo HI address, "Send all your money" (353 10/29 D'Angelo-PA)
- 7413 0307 **WYMN** Pop mx, ID: "Free Radio for the Feminist..." (222 10/29 Fisher-MA) (D'Angelo-PA)
- 7415 0230 **RFM** Pop Rock, ID: announcer Victor Short (232 10/29 Fisher-MA)
- 7484 0317 **WBRI** Shure mike ad, Rock and Reggae mx (323 10/9 Karcheski-MA)

UNITED STATES OF AMERICA\*\*\*British Broadcasting Corporation relay\*\*\*Voice of Free China relay\*\*\*

- 5950 0242 **VOFC** CCmx (222 10/22 10/26 Reeves-OR) (Levison-PA)
- 6130 1257 **BBC** SS; IS, ID, to Central America from VOA Delano site (343 10/30 Westenhaber-QU)
- 7315 0302 **WHRI** SS; LA mx (355 10/21 Miller-CA)
- 7355 0034 **WRNO** WeightWatchers magazine promo, rock quiz (343 10/13 Wright-NF)
- 7400 0001 **WSHB** World nx, Sunday Service (232 10/16 Wright-NF)
- 7520 0342 **WWCR** Sermon, ID, address (555 10/9 Karcheski-MA) (Jones-TN)
- 9455 0659 **WSHB** Religious program (555 10/28 Bevens-MA) (Wright-NF)
- 9495 0400 **WHRI** IS, ID (333 10/14 Fischer-WI)
- 9590 0003 **BBC** China to lift martial law (444 10/25 Brown-IL)
- 9590 1007 **VOA** Newsline (333 10/30 Park-HI)
- 9680 0238 **VOFC** Mailbag: steel (444 10/22 10/26 Reeves-OR)
- 9815 0054 **VOA** Space and Man (555 10/26 Reeves-OR)
- 9850 1216 **KUSW** Ads for Universal Shortwave/PBWR, pops (344 11/5 Westenhaber-QU)
- 9850 0020 **WCSN** China, Middle East, "Newsfocus" (444 10/25 Brown-IL)
- 13695 2003 **WYFR** Light Christian mx (433 10/20 Bishop-NY)
- 13760 1422 **WSHB** interview on God and Christian Science, mx (232 10/14 Famuloro-JP)
- 13760 2008 **WHRI** "The World for Today" (433 10/18 Bishop-NY)
- 15145 2344 **WINB** OM gives freq and times, into SS for SA at 2347 (222 10/24 Thornton-NJ)
- 15420 2234 **WRNO** Ads for Air and Space magazine (344 10/25 10/26 Reeves-OR) Saints Football (444 10/22 Ehly-IA)
- 15610 2030 **WSHB** Edward R. Murrow (444 10/19 Langlois-FL)
- 15650 1822 **KUSW** ads for Grundig, rock mx (555 10/10 Miller-CA)
- 15690 1907 **WWCR** choir mx, sermon (323 10/15 Berri-CA) (Ehly-IA) (Bishop-NY)
- 17612.5 2247 **VOFC** CC lesson (444 10/25 10/26 Reeves-OR)
- 17775 2303 **KVOH** UPI nx, "Good News for Today" (333 10/8 Park-HI) (Bevens-MA) (Bishop-NY)
- 17800 2109 **VOA** SF Earthquake (433 10/18 Bishop-NY)
- 17870 2148 **VOA** African nx (344 10/16 Bevens-MA)
- 21525 1945 **WYFR** II; ID, Freqs, YL (433 10/12 Bishop-NY)

VENEZUELA\*\*\*Radio Nacional\*\*\*

- 4830 0121 R **Tachira** LA pop mx, OM (433 10/20 Bishop-NY)
- 4940 0130 R **Continental** LA mx, promos, IDs (343 10/14 Prath-FL) (Bishop-NY)
- 9540 1105 **RN** IS, ID, nx, schedule in EE (444 11/4 Prath-FL)

William Westenhaber sends along the following VOA sites for BBC:

- Bethany: 9590 0030-0230 World Service
- Bethany: 17850 1300-1330 SS
- Delano: 9515//11820 0300-0430 SS
- Delano: 9690 1100-1130 SS
- Greenville: 17715 21-2130 World Service; Caribbean Report

Bill also says that the R Beijing transmissions in SS at 0300 in EE at 0400 are via the Sackville site in Canada.

Thanks for the information, Bill.

Bye for now,



**EUROPE**

**Denise Sampson**  
**P. O. Box 31**  
**Independence, WI 54747-0031**



**Deadline: 12th**  
**Times/Dates: UTC**  
**Frequencies: KHz**

**BOARDING PASS**  
**Row**     
**Seat**     
**Window**     
**Center**     
**Aisle**     
**Flight**     
**Destination:** \_\_\_\_\_

**EUROPE**

Here in Independence we had our first snowflake on November 1 and first ground snow on the evening of November 3. Of course it was all melted away by the afternoon of the 4th. For tonight & tomorrow, Nov. 14-15, we have a Snow advisory. As the song says "Let it snow, let it snow, let it snow!"

**ALBANIA Radio Tirana**

5057 0501 Gjirokastr Albanian; wld nx, ment of Washington & Panama, Albanian mx @ 0510 (343 10/14 Dillon-Greece) 0510 tent. Albanian; long string of eastern Eur ethnic mx, OM in presumed Alb. (333 11/7 Thornton-NJ)  
 7205 0419 RT FF; YL/OM tkl, NA, IS & s/off, // 9480 & 9500 (322 9/14 Park-H1)  
 9480 2250 RT EE; review of upcoming pgms, cl mx, s/off anmt (444 10/23 Prath-FL)  
 9500 \*2300 RT PP; IS, PP ID, nx (444 10/23 Prath-FL)  
 9680 \*1828 RT EE; wld nx, Living Through Listeners Letters (544 10/10 Willers-Switz.)  
 9760 2352 RT EE; cl mx, OM w/ tkl, 2355 freq anmt, ID, IS to 0000, ID in unid lang (434 10/4 Cichorek-NJ)

**AUSTRIA Radio Austria International**

6155 \*1430 RAI EE; SW Panorama, nx about Radiobras, SPEEDX was mentioned, 1500\* (555 10/8 Willers-Switzerland)  
 9870 0130 RAI EE; nx, feature on Austrian mentality (444 10/27 Rogers-MA) 0130 EE; Rpt from Austria, Czech. PM visits Austria, U.S. Ambassador to Austria retires (333 10/24 Brown-IL)  
 13730 0130 RAI EE; Rpt from Austria (433 10/15 Bishop-NY)  
 15430 1132 RAI EE; wld nx, songs & marches about wine (fr-gd 11/3 Famularo-Japan)  
 21490 0840 RAI EE; ID, reports, no QRM, but QSB (252 11/5 Famularo-Japan) 1349 SS; nx, OM w/ ID @ 1350 (333 10/9 Berri-CA)

**BELGIUM Belgische Radio en Televisie**

11695 \*0800 BRT EE; IS, ID, nx headlines, wx, spts, tkl (pr-fr 10/27 Famularo-Japan)  
 13675nf? 1802 BRT Dutch; HS relay?, nx, mainly Belgian items, 1811 local traffic rpt, Brussels stock market rpt, intvw (333 11/2 Westenhaver-QU)  
 26050nf 1157 BRT Dutch; IS, ID anmt ment this freq // 21810?, 6 time pips for 1200, nx (243 10/24 Westenhaver-QU)

**BULGARIA Radio Sofia**

11660 2320 RS EE; DX pgm, end of EE transmission, IS, ID in FF, nx (444 11/1 Prath-FL) 0207 EE; folk mx, symphonic mx, piano solo (444 10/7 Levison-PA) 2248 EE; environmental issues, Answering Your Letters (444 10/22 Cichorek-NJ) 2309 EE; letters from listeners, Socialist Horizons (433 10/1 Woering-MA)  
 11735 0435 RS EE; YL/OM w/ essay contest details, salsa! mx (333 9/27 Park-H1)  
 11750 0330 R. Moscow relay (Plovdiv) EE; ID, tkl, pop mx, condolence on San Francisco earthquake, Moscow Mailbag (534 10/19 Miller-CA)  
 11765 0315 RS EE; nx, QRM de Havana, comtry (443 10/15 Miller-CA)  
 15330 0000 RS EE; Bulgarian-Turkish relations (322 10/31 Rogers-MA) \*1530 Turkish; s/on w/ ID "Burası Sofia Radiosu," prob. sked, nx (433 10/31 Westenhaver-QU) 0036 EE; how to use a bamboo fishing rod for a radio antenna (434 10/11 Hunt-FL) 0045 EE; Music from Bulgaria (454 10/17 Fraser-MA)  
 15385 1733 RS AA; ID "Huna Sofia," cultural pgm (433 10/21 Dillon-Greece)

**CZECHOSLOVAKIA Radio Prague**

6055 2225 RP EE; end of pop mx pgm, into pgm in Czech @ 2230 (444 10/21 Prath-FL)  
 7345 0100 RP EE; nx, solidarity in Poland, necessity of E. German state (555 10/11 Wright-NF) 0130 EE; Request Concert, Bedrich Smetana featured (454 10/30 Fraser-MA) 0105 EE; int'l nx (555 10/25 Bevans-MA)  
 9540 0159 RP ID in various langs w/ trumpet fanfare (333 10/13 Hunt-FL)  
 11990 0325 RP EE; Youth Magazine, children w/ learning disabilities (333 10/12 Fischer-WI)  
 15540 0112 RP EE; tkl on G.D.R., Czechoslovakia, mailbag, DX pgm (443 11/3 Miller-CA)

**DENMARK** Radio Denmark  
25850 1301 Danish; complete D89 freq sked--wish I could understand Danish numerals!, into nx @ 1304, also heard @ \*1500 (333 11/2 Vestenhaver-QU)

**FINLAND** Radio Finland  
6130 \*1100 RF EE; special pgm for DXers, lots of DX tlc (132 10/14 Willers-Switz.)  
9645 0007 RF EE; rpt on Gorbachev's visit to Finland, press review (333 10/25 Brown)  
11754.8 1929 RF EE; nx, faulty generator in nuclear power station, record consumer credit, economic growth (222 10/8 Cichorek-NJ)  
11755 0005 RF EE; ID, Business Monday, new time for EE to NAM (343 10/23 Vestenhaver)  
21550 1307 RF EE; wx rpt, editorials from Nordic newspapers, 1312 Finnish lesson #2 (434 10/12 Carson-OK)

**FRANCE** Radio France International  
11670 0405 RFI FF; nx, Gorbachev, ID @ 0410 (422 10/23 Ehly-IA)  
15300 0750 RFI FF; pop/rock mx by Ric Ocacek-soundalike, OM DJ, interlude, jingle & freq list, // 17620 (222 9/21 Park-HI)  
15460 1714 RFI FF; youth pgm, played mx from the Batman movie (322 9/14 Park-HI)  
21770 1407 RFI EE/FF; in the Papers, spts rpt, Arts in France, into FF @ 1429 w/ pop mx (333 10/26 Carson-OK)

**GERMAN DEMOCRATIC REPUBLIC** Radio Berlin International  
6080 0046 RBI EE; nx, G.D.R./Soviet space research, pop song, QRM de DW-6075 (422 10/11 Wright-NF) 0057 EE; mailbag (322 10/2 Voering-MA)  
9730 2200 RBI EE; nx, Give Peace a Chance, disarmament in the G.D.R. (444 10/14 Prath-FL) 0330 EE; IS, ID, pgm details, nx (333 10/27 Berri-CA) 2218 casual ID, mx bridge, presidium meeting in G.D.R. (444 10/22 Cichorek-NJ) 0400 EE; Afr svce, health care in G.D.R. (323 10/11 Fischer-WI)  
11705 0515 RBI EE; method of tank recycling & conversion into plowshares (434 10/11 Fischer-WI)  
15125 0245 RBI EE; nx about Berlin, Leibzig., including demonstrations, standpoint or declaration of Jewish population in G.D.R. (353 11/7 Munster-GA)  
15145 1514 RBI FF; NA, ID as African svce, straight into nx of latest reform proposals of new head of state Egon Krens (433 10/31 Vestenhaver-QU)  
15240 1350 RBI EE; contry, pop mx, IS (322 11/9 Carson-OK)  
15440 0501 RBI EE; YL w/ pgm preview & nx, // 13715 (322 9/15 Park-HI)

**GERMANY, FEDERAL REPUBLIC OF** Deutsche Welle  
3995 1925 DW GG; IS, intvw between YL & OM, Vietnam (333 10/13 Dillon-Greece)  
5960 0545 DW EE; jobs for the blind, freqs, 0550\* (434 10/11 Carson-OK)  
6030 1315 Süddeutscher Rundfunk GG; contry about autobahns, Elvis song, traffic nx (455 10/27 Willers-Switzerland)  
7265 1344 Südwestfunk 3 GG; mx from Brian Ferry, Barry White, nx @ 1400 (545 10/27 Willers-Switzerland)  
17770 0908 DW EE; nx, Panorama, // 6160 & 17780 (222 9/16 Park-HI)  
17875 0602 DW EE; nx, Morning Magazine, // 11765 13790 & 15185 (333 9/12 Park-HI)  
21680 1240 DW GG; pgm about W. Germ. football league, radio highlights of games, tlc, // 21560 (343 10/14 Prath-FL)

**GREECE** Voice of Greece  
6040 2122 VOA relay EE; tlc, Soviet, Zaire, E. Germany (433 10/16 Bishop-NY)  
7430 0200 VOG Greek; NA, ID, freq, nx (444 10/17 Karcheski-MA)  
9395 2339 VOG EE; mx pgm, ID in Greek/EE, YL w/ nx, // 11645 (444 10/30 Prath-FL)  
9420 0130 VOG EE; nx, coverage of Greek election campaign (454 11/1 Rogers-MA) 0340 EE; Mrs. Dukakis fight against drug addiction (434 10/14 Fischer-WI)  
11805 0631 VOA relay EE; VOA Thursday Morning w/ nx rpts, some ute QRM (pr 10/26 Famularo-Japan)

**HUNGARY** Radio Budapest  
7220 \*2100 RB EE; IS, nx, listeners letters, mx (242 10/28 Prath-FL)  
9520 0232 RB EE; ID & TC @ 0232, Calling DXers, freq rpts, // 11910 & 5990 (322 10/14 Cichorek-NJ)  
9835 0212 RB EE; Hungarian nx, new Democracy (444 10/25 Miller-CA) 0040 EE; Information Newsroom, amendments to penal codes for political crimes (534 10/4 Voering-MA) \*1130 EE; DX show, rpts on NW, LW & SW, 1145\* (555 10/21 Willers-Switzerland) 0033 EE; nx, Magazine 90 (333 10/29 Johnson-IL)

**ICELAND**  
15780 2315 Ríkisútvarpið Icelandic; Icelandic tlc, YL (444 10/11 Karcheski-MA)

**ITALY** Radiotelevisione Italiana  
7230 1030 Adventist World R. EE; YL, DX show, freq annt, address P.O. Box 363, rel pgm (344 11/5 Willers-Switzerland)  
7275 1938 RAI EE; people of Rome go to the polls (333 10/25 Willers-Switzerland)

ITALY continued

- 9575 2354 RAI II; 1940's mx (one song skipped for 4 minutes--wake up Mr. DJ!) (454 10/18 Wright-NF)
- 9865 1109 Italian R. Relay Svce EE; mailbag, freq anmt, address P.O. Box 10980, Milan, ID (444 10/22 Willers-Switzerland)
- 11800 0059 RAI EE; nx, political reforms in Hungary, agreement is reached between RAI & Algerian TV (322 10/24 Brown-IL) 0110 EE; nx, new Polish head to visit Rome (444 10/13 Fraser-MA) 0100 EE; nx, YL ancr (243 10/25 Bevens-MA)
- 17780 1657 RAI II; bird IS, tune on bells, unintelligible ID by OM & prob. nx (222 9/12 Park-HI)

LUXEMBOURG Radio Luxembourg

- 6090 2323 EE; rock tunes including old Cliff Richard songs (444 10/4 Wright-NF)

MALTA Radio Mediterranean

- 6110 2317 RM EE; teaching the EE lang (434 10/1 Woering-MA)
- 7225t 2103 IBRA R. EE; rel tlk, give a Niagara Falls, OM postal address (222 10/27 Thornton-NJ)
- 11810 0300 DW relay EE; Malta ID, nx, spts, pop mx (444 10/29 Rogers-MA)

MONACO Trans World Radio-Monte Carlo

- 9485 0705 EE; Words of Hope (344 10/28 Bevens-MA) 0805 EE; ID, freq anmt, Mrs. G read a story about Joe, address for Mrs. G, Box 179, Toronto (555 10/14 Willers-Switzerland) 0645 EE; Bible Focus, Way to Life Hour, Chuck Swendol (333 10/17 Carson-OK)

NETHERLANDS Radio Nederland

- 6240 1102 R. Atlantis EE/GG; DJ, pop mx, ID @ 1108 (121 11/5 Willers-Switzerland)
- 6315 2307 R. London EE; DJ, mx from Steve Miller Band, Queen, many IDs, address P.O. Box 669, Hoogeveen, Neth. (323 11/5 Willers-Switzerland)
- 6315 2345 R. Moonflower EE; DJ, mx from Pink Floyd, Alan Parson, freq anmt, address, many IDs (323 11/5 Willers-Switzerland)
- 9860 \*2030 RV EE; nx, Newsline, intvw w/ ANC member (fr-gd 11/3 Famularo-Japan)
- 11930 0022 RV Dutch; inst pop mx, light flute mx, abrupt s/off @ 0025 (444 10/9 Karcheski-MA)
- 13700 0432 RV EE; nx, rpt on the destabilizing effect of S. Afr. on the region, Wall Street falls 190 points (333 10/13 Brown-IL)
- 21480 1340 RV Indonesian (listed); nx, ID @ 1344, sounded more like Dutch (343 10/9 Berri-CA)
- \*21615 1154 RV EE; Media Network, role of ham radio in San Francisco earthquake, site presumed (444 10/26 Westenhaver-QU)

NORWAY Radio Norway International

- 9590 \*0700 RNI Norwegian; IS, ID in EE, into Norw. pgm (444 10/27 Jones-TM) 0630 Norw.; local EZL mx, checked earlier but was in Norw., no EE! // 15165, 21705 & 21725 (122 9/23 Park-HI)
- 9615 0142 RNI EE; Germanic songs, 0145\* (433 10/1 Woering-MA)
- 11865 0356 RNI Norw.; IS, Norw/EE ID, time pips, OM w/ preview, YL w/ nx, // 11750 & 15165 (333 9/13 Park-HI)
- 15305 1700 RNI EE; Norw. nx, pop mx, What Strikes Me, // 21705 (343 11/5 Rogers-MA)
- 21730 1907 RNI Norw.; OM w/ tlk, EE ID by YL, Norw. pgm (fr 10/7 Cichorek-NJ)
- 25730 1628 RNI Norw.; QTH, Norw. songs, ID in EE @ 1640 by OM, apparently off @ 1645 (555 10/14 Dillon-Greece)

PIRATE \*\*NOTE ALSO THE PIRATE LOGGINGS UNDER NETHERLANDS REPORTED BY STEVE\*\*

- 7440 1005 R. Waves Int'l EE; DJ, mx from Hot House Flowers, Texas, ID (122 11/5 Willers-Switzerland) site France? Netherlands?

POLAND Radio Polonia

- 7125 2230 EE; IS, nx, Postbag pgm w/ mx & listeners letters (343 10/13 Prath-FL)
- 7270 2319 EE; Chopin's Revolutionary Etude, ID @ 2331 (433 10/15 Cichorek-NJ)

PORTUGAL Radio Portugal

- 9705 0230 EE; nx, Collectors Corner, QRM de Vatican SS svce until 0240 (422 10/14 Rogers-MA) 0231 EE; ment Portugal, wx, mx, sked (444 10/24 Miller-CA) 0247 EE; Portugal past & present, Portuguese-Japanese ties (333 11/2 Brown-IL)
- 11840 0231 EE; Pres. of Portugal visits S. Afr., Int'l Conf is being held in Lisbon (222 10/18 Brown-IL) 0015 PP; feature pgm (333 10/29 Johnson-IL)

ROMANIA Radio Bucharest

- 9690 2120 EE; Romanian dance mx, tlk about the Romanian economy, 2125\*, s/on in PP @ 2130 (444 10/28 Prath-FL)

**SPAIN** Radio Exterior de España  
 9690 0300 R. Beijing relay EE; IS, CC/EE ID, freq, nx, no sign of Sweden, // 11715 & 17855 (222 9/28 Park-HI)  
 15125 0230 REB SS; (343 11/3-4 Munster-GA)  
 17715 2215 REB SS; end of nx, ID, into SS pop mx, to LAm (454 10/21 Prath-FL)  
 17730 1118 REB SS; promos, "R. Nacional de España" ID, YL w/ t1k (pr-fr 10/20 Famularo-Japan)  
 21460 1943 REB SS; Diario Hablado newscast, ID @ 1945, co-channel RSA 1n FF (433 10/22 Westenhaver-QU)

**SWEDEN** Radio Sweden  
 7265 \*1800 RS EE; nx, Sweden Calling DXers, 1830\* (534 10/10 Willers-Switzerland)  
 9695 0230 RS EE; nx, accused murderer of Palme is released, bomb threat in Stockholm (333 10/12 Brown-IL)  
 11705 0238 RS EE; discussion of Polish/Sweden environmental agreement (333 10/23 Ehly-IA) 0233 EE; Swedish nx (534 10/13 Bevans-MA) 0755 EE; Will Gorbachev Make it?--political contry (434 10/20 Fischer-WI) 0234 EE; Raul Wallenburg case discussed (444 10/26 Carson-OK)  
 21570 \*1330 RS FF; nx leading w/ Gorbachev's visit to Finland (333 10/26 Westenhaver)  
 21610 1530 RS EE; nx, Sweden Calling DXers (444 10/24 Rogers-MA) 1530 EE; Nordic bookfair, dinosaur exhibit from China (433 10/8 Carson-OK)

**SWITZERLAND** Swiss Radio International  
 3985 \*0730 SRI EE; ID, freq annt, nx, Dateline, SW Merry-Go-Round, 0800\* (555 10/14 Willers-Switzerland) 1910 II; Eur svce, ID by YL, rpt about the Romanesch lang (433 10/13 Dillon-Greece)  
 6135 0408 SRI EE; nx pgm (444 10/14 Hunt-FL)  
 9620 1340 SRI EE; ID, intvw w/ professor @ U.S. university (323 10/16 Berri-CA)  
 9725 0405 SRI EE; nx, Red Cross appeals for release of hostages in Lebanon (322 10/11 Fischer-WI)  
 9885 0415 SRI EE; problems of construction in Swiss mountain areas, efforts preparing for tourism (322 10/23 Ehly-IA) 0200 EE; nx, Swiss women is kidnapped in Lebanon, Dateline (333 10/12 Brown-IL)  
 12035 0203 SRI EE; ID, t1k on SWAPO, flights to L.A., Dateline (544 11/3 Miller-CA) 0158 EE; nx, statement is issued by the E. Germans on demonstrations, rpt on S. Afr. (444 10/11 Brown-IL) 0401 EE; European nx (555 10/29 Bevans-MA)  
 21630 1511 SRI II/EE; IS, EE ID, 1515 II rel svce, into EE (434 10/29 Carson-OK)

**UNITED KINGDOM** British Broadcasting Corporation  
 3955 1840 BBC EE; song "On Broadway," Multi-track (433 10/13 Dillon-Greece)  
 3975 1855 BBC GG; rpt from David Powers in Tokyo, nx pgm (433 10/13 Dillon-Greece)  
 6010 0425 BBC EE; nx on violence at Dutch soccer matches (232 10/23 Ehly-IA)  
 7325 2315 BBC EE; NRic Review, nx items related to cl mx (454 10/13 Fraser-MA)  
 11710 1733 VOA relay RR; OM w/ t1k, IS, two bars of "Yankee Doodle," intro to feature story, // 9585, 11805 & 15235 (222 9/26 Park-HI)  
 15400 2258 BBC EE; rpt on nx in British newspapers (333 10/22 Ehly-IA)  
 17705 1145 BBC EE; performing arts, 1215 ID, Multi-track (333 10/14 Cichorek-NJ)  
 17780 1754 BBC AA?; EE lesson explaining the lyrics of Julian Lennon's "Valotte" (222 9/12 Park-HI)  
 25750 1148 BBC EE; intvw w/ Albert Goldmann about his controversial biography of John Lennon (243 10/24 Westenhaver-QU)

**VATICAN CITY** Vatican Radio  
 6248 0631 VR EE; EE annt of Liturgy Mass (344 10/28 Bevans-MA)  
 11960 1430 VR Hindi; IS, OM/YL w/ t1k over Hindi mx, ID, t1k till 7440, awful vocal to ID, into Tamil @ 1441 (444 10/21 Thompson-CA)  
 15120 0630 VR Holy Mass in Latin, Gospel read in EE according to St. Luke (444 10/27 Jones-IN) 0530 Latin; Mass w/ orch, a capella singing (232 9/15 Park-HI)  
 15195na? 0507 VR EE; ID, into E. Afr mx, sked says 15190, // 17730 (222 9/15 Park-HI)  
 17730 0626 VR EE; accented OM w/ t1k on Pope's activities, ID, IS into 0630 FF to Afr (pr-fr 10/27 Famularo-Japan)

**YUGOSLAVIA** Radio Yugoslavia  
 9660 2238 EE; bee-keeping in Yugo., 2243\* (343 10/25 Prath-FL) 2200 EE; comments about Yugo & U.S.S.R. relations, P.O. Box 400 (433 11/3 Carson-OK)  
 11735 0135 EE; t1k on resistance in Yugo., mx, t1k, new lords, pollution from oil spills (544 10/28 Miller-CA) \*0100 EE; nx, constitutional amendments, int'l rel gathering in Yugo., Spotlight on Culture (544 10/3 Wright-NF)

**UNIDENTIFIED**  
 15215 0618 und lang; oldies by Bobby Vinton, Ray Charles, The Animals, Four Tops & Rolling Stones, ment w/ tent. ID & backannouncing the songs, QRM de und-15210 & Moscow-15220 (333-222 9/23 Park-HI)



Jason Berri 21240 S. Western Ave #18 Torrance, CA 90501

USSR Radio Moscow Radio Kiev Radio Vilnius Radio Tashkent  
Radio Station Peace and Progress Radio Yerevan

4635 0145 Tadzhik R.-Dushanbe (PWBR): ??; M tkl in unk. lang., weak, polar flutter (233 10/31 Kunkel-CA)

4740t 1745 R. Afghanistan Relay: Pushto/Dari; M tkl w/ class. mx in background, @ 1815 into folk mx, no ID (444 10/6 Dillon-Greece)

4785 1850 R. Baku-Baku (PWBR): Azerbaijani; Turkish-style mx, ann. by W, TP, Baku ID, wld nx (444 10/6 Dillon-Greece) (Kunkel-CA)

4820 1955 Khanty-Mansiysk R.-Khanty Mansiysk (PWBR): RR; W ancr, class. mx, off @ 2001, UTE GRM (433 10/13 Dillon-Greece)

4930 0129 RM (DS2)-Ashkhabad (PWBR): RR; RM IS, M tkl (332 10/22 Bishop-NY) (Prath-FL) (Rogers-MA)

4940 0135 R. Afghanistan Relay: ??; Koran reading, !! 4740 (343 10/31 Kunkel-CA)

4940 0445 RK: Ukrainian; W w/ tkl, class. mx (444 10/14 Dillon-Greece)

5905 1023 RM-Vladivostok (ILG): JJ; W w/ winter JJ sked, M tkl @ 1027, !! 5920, 9865, 9895 (322 9/22 Park-HI)

5905 2235 RSP&P-Serpukhov (ILG): EE; tkl abt cultural exchange (343 10/14 Prath-FL)

6020 1630 RM-Khabarovsk (PWBR): EE; nx brief, "New Market" pgm, !! 7265, 7370 (434 10/31 Park-HI)

7150 0403 RM-Lvov (ILG): EE; nx, ID, tkl on reform, mx bridge (434 11/8 Miller-CA) (Kunkel-CA) (Carson-OK)

7230 0115 RM-Tula (ILG): RR; M tkl (444 10/29 Kunkel-CA)

7265 1432 RM-Petropavlovsk: EE; tkl on sports in USSR, "Inside Report", mx, nx (544 11/2 Miller-CA)

7290 0155 RM-Ivano Frankovsk (ILG): EE; rpt on Noriega & Panama, mx (333 10/11 Brown-IL) (Miller-CA) (Carson-OK)

7310 0408 RM-Ivano Frankovsk (ILG): EE; nx, "News & Views" (423 11/5 Carson-OK)

7380 2100 RM-Moscow (ILG): EE; nx on UFO landing, !! 7370 (433 10/9 Rogers-MA)

7390 0521 RM-Kharkov (PWBR): EE; KGB news conference (333 11/4 Carson-OK)

9610 2308 RV-Alma Ata (ILG): EE; tkl on Lithuania, freq., mx (444 10/31 Miller-CA) (Carson-OK)

9610 0300 RK-Alma Ata (ILG): EE; nx, supreme soviet meeting (433 10/29 Carson-OK)

9640 1606 RM-Petropavlovsk (ILG): EE; M ID, wld nx, sports (343 10/15 -ed)

9715 1201 RT-Tashkent (ILG): EE; M ID & freq's, nx, !! 11785 (312 11/4 Park-HI)

9765 2300 RM-Lvov (ILG): EE; nx, "Tonight" pgm (434 11/1 Carson-OK) (Bevens-MA)

9865 2315 RM-Vinnitsa (ILG): EE; tkl on Berlin Wall (555 10/6 Fraser-MA) (Prath-FL)

9895 1115 RM-Petropavlovsk (ILG): JJ; M tkl on US-Japan military relationship, ID, slow rock mx, !! 5905, 5920, 9865 (433 9/9 Park-HI)

11675 2259 RV-Lvov (ILG): EE; nx on Lithuanian supreme soviet (434 11/3 Carson-OK)

11710 0431 RM-Petropavlovsk (ILG): EE; "Moscow Mailbag" (322 11/5 Carson-OK)

11775 0424 R. Orbita-Chita: RR; speech by Gorbachev (323 10/27 Park-HI)

11785 1200 RT-Tashkent (ILG): EE; IS, s/on by W, nx (232 10/21 Prath-FL)

11930 0059 RM-Ashkhabad (ILG): SS; W s/on, weak (252 10/25 Kunkel-CA)

11980 2245 RSP&P-Kharkov (ILG): EE; discussion, class. mx (444 11/3 Carson-OK)

12000 0310 RK: EE; "Ukraine Today" (333 10/12 Fischer-WI)

12015 1807 RM-Yerevan (PWBR): EE; wld nx, "Top Priority" (222 9/3 Park-HI)

12030 0533 RM-Petropavlovsk (ILG): EE; tkl abt Russian Orthodox council, GRM (333 10/14 Carson-OK)

15315 1803 RM: EE; nx, cmtry on Gorbachev visit to Finland (343 10/27 Carson-OK)

15320 1345 RM: EE; RR lang. lesson into nx @ 1400 (323 10/26 Carson-OK)

15330 0159 Radiostantsiya Rodina: RR; ID, IS (555 10/15 Trescher-PA)

15330 1259 RM: ??; RM IS, W ID, into unknown lang., very weak (222 10/17 -ed)

15375 1655 RM-Simferopol (ILG): RR; mx w/ W ancr., ID @ 1726, RM IS, Mayak ID (444 10/21 Dillon-Greece)

15470 1227 RM: EE; ME mx, M ID @ 1228, s/off (122 10/17 -ed)

15490 1225 RM-Tula (PWBR): EE; W cmtry, M ID, !! 15550, weak (212 10/17 -ed)

15520 0533 RM-Minsk (ILG): FF; mx, ID @ 0538, tkl w/ French trade union official, !! 15545, 15570 (433 11/3 Westenhover-QU)

15550 1221 RM-Zhigulevsk (ILG): EE; M w/ tkl, W ID (222 10/17 -ed) (Park-HI)



15585 0325 RSP&P-France (ILG): PP/SS; Rock mx, ID "Faia a Emisora Paz e Progresso" & s/off, clarinet IS, SS ID @ 0330, nx (322 9/7 Park-HI)

15585 1211 RM-Simferopol (ILG): EE; "News & Views", !! 15550 (344 10/7 Rogers-MA)

17570 1211 RM: EE; "News & Views", !! 17815 (343 10/26 Westenhaber-QU) (Park-HI)

17595 2005 RM: EE; african nx (555 10/14 Bevens-MA)

17655 0950 R. Afghanistan Relay-Kazan (ILG): EE; tlk on political relationship w/ USSR, mx, W tlk, mx, ID & address @ 1028, !! 21600 (fr 10/26 Faularo-JP)

17665 2300 RV-Petropavlovsk (ILG): EE; IS & ID, "Report From Estonia", "Events in Views", !! 15180, 17690 (232 11/4 Park-HI)

17665 0035 RK-Petropavlovsk (ILG): EE; "Radio Friendship Bridge" (332 10/30 Park-HI)

17665 2330 R. Minsk-Petropavlovsk (ILG): Byelorussian; unfaamilar IS, W w/ ID "Havorits Minsk..." & sked, M w/ nx (232 11/4 Park-HI)

17830 1300 RM-Moscow (ILG): EE; nx, "New Market", !! 17645 (242 10/23 Rogers-MA)

17840 0010 RM-Petropavlovsk (ILG): EE; nx, "Outlook", !! 7150 (242 11/2 Prath-FL)

17870 1057 RM-Chita (ILG): CC; IS, mx, ID, presumed nx (444 9/12 Park-HI)

17880 0045 RM-Irkutsk (ILG): EE; "Moscow Update", !! 21690 (343 11/1 Prath-FL)

21470 0153 RM-Petropavlovsk (ILG): EE; Moscow trade fair (333 10/23 Park-HI)

21545 1158 RM-Kenga (ILG): Swahili/RR; anmts, IS to 1200 (343 10/31 Westenhaber-QU)

21690 0250 RM-Khabarovsk (ILG): EE; "Inside Report" (444 10/16 Fischer-WI) (Park-HI)

21785 \*1600 RM-Tbilisi (ILG): Somali; "Halkan wa R. Moscow" ID & opening anmts, W w/ nx (344 11/2 Westenhaber-QU)

21800 1230 RM-Simferopol (ILG): EE; nx, ID, "Folk Box" (232 10/24 Westenhaber-QU)

25780 1225 RM-Starobelsk (ILG): EE; "News & Views", nx, "Music at Your Request" (444 10/14 Prath-FL) (Westenhaber-QU)

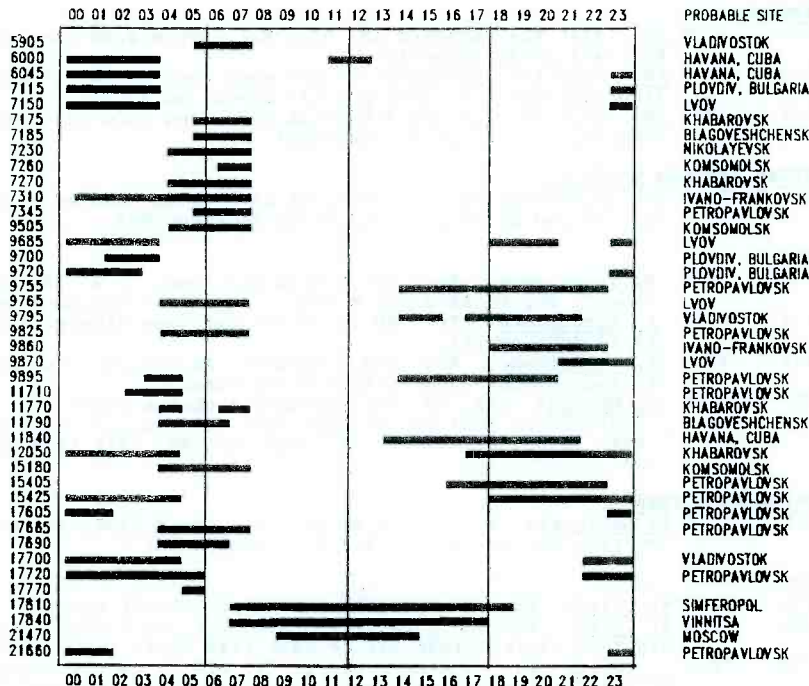
**Relays - Mis/Unidentified**

9600 @ 0416 in EE - Havana relay 9745 @ 0310 in SS - Havana relay  
 9720 @ 0204 in EE - Havana relay 10344 @ 1550 in EE - USB feeder  
 9720 @ 2212 in EE - Havana relay 25895 @ 0928 in AA - this is V.O.UAE

**Schedules**

Radio Minsk NA svc in Byelorussian: 2330-2400 17690 15180 11675 9610  
 Radio Tashkent in EE: 1200-1230 & 1330-1400 15470 11875 9715 9600 7325  
 (SCDX 2066 & 2067 via ANARC BBS)

**D89 RM services to NA in EE**



(RM direct, S/D 89 ILG, WRTH via Andy Sennitt on ANARC BBS)  
 Thanks for your tremendous support. CU next month -Jason

# AFRICA

Editor: Don Thornton

12 Freeman Road Somerset, New Jersey 08873

Hello again! This month I'm using a word processor to help me type this column. The owner's manual says it can make even me appear to be smart to you nice people. We'll see. Hopefully, I'll be able to correct my typing mistakes long after they were originally made, but I am still learning how to use it, so you will have to continue to be patient. It is said that practice makes perfect, but whoever said that never listened to RAI's "Dead Lady" read the news, hihi. Special thanks to Utility Scene editor Paul Lannuier, who designed the new masthead for this column. In fact, it was created after I mailed the November column in to Ed Janusz, and I didn't get to see it until the bulletin was published, just like you. We should be able to squeeze in a few more logs with the added space.

## ANGOLA

4955v 0315 R.Nacional: PP: M tx in PP (433 10/22 Bishop-NY)  
7215(p) 0604 R.Nacional: FF: M w/news to 0606; ments of "Angola"  
& "Nacional" make this most likely. Orignally thought  
it might be Cote d'Ivoire because of FF: (333 11/3  
Thompson-CA)

## ASCENSION

15400 2132 BBC: EE: Disc of WW II. (545 10/14 Bevns-MA)  
21660nf 1700 BBC: EE: ID & nx headlines, then back to "Sportsworld"  
(444 11/4 Westenhaver-PQ)

## BENIN

4870 2258 ORT du Benin: FF: African instrumental mx. Full ID @  
2300 (222 11/4 Cichorek-NJ)

## BOTSWANA

4830 0356 RB: 0356 EE: Barnyard IS; 0358 NA; 0400 m w/ID and sked in  
EE. (444 10/31 Evans-TN)  
4830 0355 RB: 0355 EE: Barnyard IS; NA; Much QRN, no QRM. (221 10/  
31 Miller-CA) (My first psychic DXers! ed.)  
4830 0358 RB: 0358 EE: IS, NA @ 0359 EE ID & freq info into SFT  
lang prog. (322 11/5 Rogers-MA)

## CENTRAL AFRICAN REPUBLIC

5034.5t 2141 RTV Centraficaine: FF: Prog of mx & tx co- hosted by M & W  
lost in QRM by 2220. (212 11/10 Thornton-NJ)

## CHAD

4904 0428 R. Tchadienne: FF: NA, M w/ID and sked. ID as "Radio  
Tchad", TC, Hi-life mx, M anncr (444 10/14 Dillon-Greece)  
4904.5 0430 R. Tchadienne: FF: ID in FF and children singing (242  
10/23 Johnson-IL)  
4904.5 1755 R. Tchadienne: AA: M & W in disc; AA singing; no ID  
at top of hour (333 Willers-Switzerland)  
5286.3 0458 R. Mondou: FF: IS, NA, children's chorus (like R.  
Nacional on 4904.5) At 0500 "Ici Moundou..." Freq info,  
then Afro pops & local mx. Best in USB. (212 11/8 George  
MA)

## EQUATORIAL GUINEA

5004 2155 R. Nacional: SS: Latin style mx, chime @ 2200, ID, NA  
carrier off at 2203. (343 10/7 Rogers-MA)

## EGYPT

9475 0230 R. Cairo: EE: Tx by L, AA mx (222 10/25 Miller-CA)  
9900 0320 R. Cairo: EE: Holy Quaran, M w/ancmts, ID @ 0328, brief  
Mid-East mx interlude, off at 0330 (444 10/14 Rogers-MA)  
12050 2104 R. Cairo: AA: W w/nx & occas. "...min al-Qahira" IDs;  
@ 2111 into interview px--one flamboyant M interviews  
another (444 11/4 Westenhaver-PQ)

GABON

- 9580 1859 Africa #1 EE/FF: W/w roundup of African nx; 1900 ID into M tx in FF. (333 11/9 Cichorek-NJ)
- 11800 0015 R. Japan: EE: Lang lessons, pop mx. (424 10/20 Miller-CA)
- 11835nF 2342 R. Japan: EE: Mailbag show. Disc abt program tastes of Japanese SWLs. This freq ex-11765. Splashed by VO the OAS 11830 (333 11/5 Westenhaver-PQ)
- 15475 2007 Africa #1: FF Hi-life mx, vocals. Great indiginous mx. ID @ 2031 (444 11/7 Cichorek-NJ)
- 21700 1552 R. Japan EE: M & W tx abt Tokyo; mx abt Tokyo; ID & s/off w/freq sked. (433 10/1 Willers-Switzerland)

GHANA

- 4915 0529 GBC-1: EE: Drums IS, ID then African style mx. (242 Johnson-IL)
- 4915 2157 GBC-1: FF/EE: M w/pres nx, ments of Angola. Afro-tribal vocals @ 2159. ID in EE at 2200. TC by W, followed by religious tx. (333 11/9 Cichorek-NJ)

KENYA

- 4934 2059 VOK: EE: ID "This is the Voice of Kenya, Nairobi" EE nx @ 2100 TC for 2 min after midnight at 2102. Rel prog at 2103 "Goodnight" @ 2107, hymn w/pres NA 2108\* (243 11/5 George-MA)
- 4934t 0219 VOK: EE: Regional nx, QRM de overpowering Peruvian. (433 10/10 Kunkel-CA) (I wish more Peruvian stations would overpower me at my QTH-but not over VOK ed.)
- 4934 0302 VOK: EE: News read by M. ID at 0309-"This nx broadcast comes to you from the Voice of Kenya, Nairobi" Into tribal vocals at 0315 (454 10/19 D'Angelo-PA)

LESOTHO

- 11940 0529 BBC: W w/"Waveguide" disc the future of SSB w/guest; @0540 "words of Faith" (122 10/30 Park-HI)

LIBERIA

- 4760 2138 ELWA: EE: M tx abt Jesus (322 10/19 Bishop-NY)
- 6035 0419 VOA: EE: Casual ID, disc of small business in USA; disc of education. (433 10/8 Cichorek-NJ)
- 15600 1711 VOA: EE: Nx re bombing of Sudan, suspension of all flights into Sudan, casual ID's (333 11/1 Cichorek-NJ)
- 15600 1630 VOA: EE: Nx; "Sports Journal" inc interview w/Kona Ironman Triathlon participant Paula Newby Frasier of Zimbabwe (333 10/30 Park-HI)

LIBYA

- 15442.7 0320 SPLAJBC AA: Mideast pop mx; next day to was noted on 15439.9 (423 10/11 Park-HI)

MADAGASCAR

- 15150 1506 R. Nederland: EE: "Media Network" w/demo of "Road Runner" Macintosh software that operates an R-5000 or R-71A (333 10/5 Park-HI) (good luck if you do get it, Dale. ed.)
- 15560 2010 R. Nederland: FF: Prog of LA mx, ID @ 2025, off abruptly (343 10/8 Rogers-MA)
- 21685 1900 R. Nederland: GG: Jonathan Marks with mx by State Police Band; multipath echo. NA 1924\* (455 10/8 Kunkel-CA)

MALI

- 4835 2003 RTV Malienne: FF: M anncr, African mx mostly drums Afro string mx, ments of Bamako, hvy ute QRM (333 10/13 Dillon Greece)
- 11715 2004 R. Beijing: EE: M w/nx inc support for Kampuchean refugees. Damage report from typhoon. ID @ 2006 (322 11/9 Cichorek-NJ)
- 11790 2339 R. Beijing: SS: ID and into CC lesson about asking directions. No, not "which way to the masacre, please?" Site per PWBR '90 (333 11/5 Westenhaver PQ)
- 15110 1616 R. Beijing: EE: Mx, W w/ID details of program to follow (333 10/15 Berri-CA)

15130 0001 R. Beijing: EE: News-Chinese-Liberian relations continue despite interference from Taiwan. Baker presents a proposal on the West Bank. (322 10/10 Brown-IL)

MOROCCO

15205 1717 VOA: EE: Iraqi authorities hold Britain suspected of spying for Israel. Exodus of East Germans via Prague ID @ 1721 (222 11/1 Cichorek-NJ)

15335p 2340 RTV Marocaine: AA: Instrumental mx and vocals in AA; then W vocalist with AA selection. No ID heard but who else would be in AA on here at this hour? (333 10/20 Cichorek-NJ)

17595 1531 RTV Marocaine: EE: Jazz mx; ID @ 1532; another ID at 1534; more E-Z listening "new age" mx (444 10/9 Karcheski-MA)

17795t 1653 RTV Marocaine: LL: Mx by Prince, Hall & Oates, & Chic then abruptly off @ 1659 (122 10/13 Park-HI)

NIGERIA

4770 2120 R. Nigeria: EE: Nx- M & W tx about 2 party system in Nigeria, funds for agricultural system & Nigerian Air Force Casual IDs heard. (222 10/30 Cichorek-NJ)

7255 2050 R. Nigeria: EE: Nigerian nx inc review of the Nigerian press. (433 10/31 Roger-MA)

7255 0512 R. Nigeria: EE/VERN: Afro pops and rock mx; commentary on Nigerian history and agricultural production; disc on human rights. (544 10/26 Miller-CA)

RWANDA

9565 0435 Deutsche Welle: EE: "Africa Report" w/story on Jimmy Carter negotiating the war in Eritrea. //7225 QRM de VOA 9575 (444 Park-HI)

SEYCHELLES

7275 0030 FEBA: Hindi: M w/music; outstanding signalto 0201\* (455 10/29 Kunkel-CA)

11730 0309 BBC: EE/SWAHILI: "EE by Radio" evaluating Sting's record " I'm an Englishman in New York" (233 10/30 Park-HI)

11930 1628 FEBA: VERN: IS then s/on in Malagasy followed by mx. (454 10/21 Kunkel-CA)

15420 0300 BBC: EE: World news. (333 10/13 Bevens-MA)

SIERA LEONE

3316 2233 SLBS: EE: Panel disc of African employment scene; TC @ 2300; Bongo drum mx, then nx in brief; ID @ 2305; vocal mx in EE. (333 10/9 Karcheski-MA)

3316 2302 SLBS: EE: Nx read by M, ID @ 2311 "This is the Sierra Leone Broadcasting Service" followed by singing in Vern. (prayer?) 2316 M anncr w/ID @ S/off annmnts @ NA 2318\* (252 10/6 D'Angelo-PA)

SOUTH AFRICA

4880 0408 Radio 5: EE: Mx by Paul Revere and the Raiders. (434 10/11 Miller-CA)

4880 0330 Radio 5: EE: M DJ w/prog of pops and disco mx. (I guess disco mx isn't dead in RSA.) (333 10/31 Evans-TN)

4880 0330 Radio 5: EE: Pop mx; nx of earthquake in San Francisco (444 10/18 Fisher-WI)

4880 0330 SABC: AFKNS: 0330 commentary by M. 0335 ID by M @ 0335 Afrikaner folk mx (Germanic/Dutch style with African flavor Very interesting!) (433 10/31 Evans-TN)

4880t 0352 Radio 5: Mx. Not able to confirm broadcast due to weak signal (122 10/17 Bevens-MA)

9580 0220 R. RSA: EE: Mx; listener's letter from San Francisco area read on the air. PO Box given. (333 11/4 Brown-IL)

9580 0200 R. RSA: EE: World nx. (545 10/15 Bevens-MA)

9580 0200 R. RSA: EE: IS, ID Time signal, NA into nx ect. (555 10/20 Card-RI)

9615 0235 R. RSA: EE: Disc w/Rhinoceros conservation group. (444 11/11 Reeves-OR)

11745 0010 R. RSA: SS: W w/prog abt literacy. (455 10/10 Kunkel-CA)

11935 0240 R. RSA: EE: "DX Corner" reading Benelux DX Club tips and other club nx; nx briefs & s/off (333 10/23 Park-HI)

15125nf 1915 R. RSA: EE: ID @ freq anmt; then "Touring RSA". This is

- new freq for D89. Mixing badly w/co-chan BBC in AA; heard Spain's IS on the freq. (322-11/5 WestenhaverPQ)
- 15365 1635 R. RSA: LL: Prog in African LL; rock mx, M DJ w/ment of Johannesburg; RSA ID; mx, IS @ 1653; 1655\* (433 10/21 Dillon-Greece)
- 17745 0521 R. RSA: FF: DJ prog with US & S.African pops; M DJ chat plenty of casual IDs in passing and Johannesburg TCs. noisy but //15365 (SIO 343) much less so. (333 11/3 Westenhaver PQ)
- 17765 1900 R. RSA: EE: 1900\*, nx; mailbag show w/Shirley and Kathy. Last day for this freq; will be replaced for D89 by 15125 (343 11/4 Westenhaver-PQ)
- 21460 1851 R. RSA: FF: "Disques d'auditeurs" mx request program w/ID & stn address 1858; into nx @ 1900 (333 10/22 Westenhaver PQ)
- 21535 1845 R. RSA: EE: DX program; pop mx. (444 10/22 Miller-CA)
- 21535 1545 R. RSA: EE: This week's S.African Hit Parade-Tracy Chapman's "Crosroads" is #1; nx briefs & close down anmts; IS; 1554\* Better signal than usual. (444 11/4 Westenhaver PQ)
- 21535 1947 R. RSA: EE: M tx, nx in brief. (433 10/12 BishopNY)
- 21535 1356 R. RSA: EE: IS, M w/ID, TC, freq info, into nx. (232 10/9 Berri-CA)
- 25790 1540 R. RSA: EE: Talk abt London-Cape Town charter flight to carry thousands of tourists to South Africa (343 11/2 Westenhaver-PQ)
- 25790 1456 R. RSA: EE: Historical almanac, 6 time pips to 1500. TC, ID and freq anmts. Nx inc Namibia elections. //21535 poor. (343 11/7 Cichorek-NJ)

#### SUDAN

- 1625 1520 R. Omdierman: AA/EE: talk by M in Arabic until 1530 when EE began with nx. New freq //9540 buried by R. Veritas Asia. (232 10/13 Flynn-CA)

#### SWAZILAND

- 15210 1814 TWR: EE: Bible study program w/M w/hvy African accent; instrumental mx, ID w/address (322 Park-HI)
- 15150 1526 TWR: FF: IS & IDs; mx & annmt @ 1530. (211 11/10 Reeves-OR)

#### TOGO

- 5046.6 2153 R. Lome: FF/VERN: Beethoven mx. The day before they were playing tribal mx (322 11/12 Thornton-NJ)

#### TUNISIA

- 7475 0450 RTV Tunisienne: AA: Mx prog followed by pres nx. (333 10/14 Hunt-FL)
- 7475t 2330 RTV Tunisienne: M chanting in AA; M tx in AA at 2333; stringed instrumental mx; more AA tx w/freqs; 2335\* (555 10/10 Karcheski-MA)
- 7475 2255 RTV Tunisienne: Mid Eastern mx, ID at 2259, nx w/distinct interludes between headlines. (242 10/31-Rogers-MA)

#### CLANDESTINES & UNIDS

- 9700 0454 Voice of Black Cockerel: PP: Carrier; then IS of guitar, drums and cock crow + IDs by M "Esta es A Voz do Resistencia da Pollo Negro"; complete IS. (322 Park-HI)
- 4066 0220 Clandestine (Presumed) Site unknown. M chanting in AA interspersed w/martial band mx; 0288 AA orchestral mx; abrupt 0229\* (333 10/5 Karcheski-MA)
- 10325 0041 unknown M chanting in pres AA to abrupt 0043\*. (333 10/19 Kacharski-MA)
- 1528t 0410 Palestine Radio? AA: Variety program in AA w/ M & W (333 10/5 Kunkel-CA)

FILL THAT GAP! Well, I guess that is about going to do it for this month. Remember, this is your column, I just get to edit it. Let me know what you like and don't like about it. I enjoy your letters as well as your loggings. Keep those logs coming, they are a whole lot more interesting than anything I have to say. Enjoy the Holidays and remember to have fun with your radio! 73s and good dx *dlm*



# ASIA/OCEANIA

William Westenhaber  
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Montreal, Quebec, Canada  
H2X 2C1

Deadline: 12th  
Dates/Times: UTC  
Frequencies: KHZ

Well, December's another one of those months when I have to fit seven pages of loggings into a five-page column. It's obvious that the awful propagation conditions for a few days in October didn't stop our intrepid contributors from hearing lots of nifty things the rest of the month. Fine Business, everybody!

## AFGHANISTAN

### Radio Kabul

- 4940 0148 (p)RK: PASHTO?: M (rel?) tlk; central Asian/Islamic mx; conditions are looking up! (pr-fr 10/26 Howell-CA)
- 6085 0135 (t)RK: ??: Qur'an; faded by 0143; I just don't know if this is Kabul or Oman though the fade is sunrise Afghanistan (252 10/28 Kunkel-CA) (Rolan, the latest ILG lists Oman w/an \*0200 s/on time.-ed.)
- 7199.2a 0137 (t)RK: ??: Weak (p) Qur'an; faded by 0148; no ID and not hrd since; heavy QRM (333 10/8 Kunkel-CA)

## AUSTRALIA

### VLM/VLQ Brisbane VLW Wanneroo Radio Australia

- 4920 0842 VLM4: EE: Correspondents rpts; nx (322 10/15 Moon-CA)
- 9610 0645 VLW9: EE: Pop mx; under HCJB in GG (322 10/11 Moon-CA)
- 9660 0835 VLQ9: EE: Lengthy football scores (444 10/15 Moon-CA)
- 15425 0717 VLW15: EE: Dept. of Agriculture interview on soil conservation (443 10/11 Moon-CA) (Welcome to the column, Terry!) @ 0830 w/mx; ABC TV promo/PSA; "ABC Radio Statewide, it's half past four" (454 10/16 Hanson-WA)

RA was logged this month as follows: 7205 in EE by Thornton-NJ; 7215 in EE by Cichorek-NJ; 9580 in EE by Bevens and Fraser-MA and Wright-NF; 9655 in EE by Willers-SW; 11800 in EE by Prath-FL; 17750 in FF by ed.; 17795 in EE by Bevens-MA and Miller-CA; 21525 in EE by ed.; 21740 in EE by Bevens-MA, Cichorek-NJ and Fischer-WI. Sorry for the condensation-ed.

## BANGLADESH

### Radio Bangladesh

- 4880 1540 RB: EE/BENGALI: M EE nx of Commonwealth conference; ID; into W Bengali nx w/speech excerpts (pr-fr 10/20 Famularo-JAPAN)
- 15195 \*1230 RB: EE: "This is Dhaka calling" by W; frq anmt; formal ID by W and into nx; poor audio (222 10/29 Cichorek-NJ)

## CHINA

### Central People's Bcst Stn Radio Beijing

- 4680h 1530 FUJIAN PBS: CC: W tlk; this is 2nd harmonic of 2340; also hrd 3rd harmonic on 7020 and 4th on 9360 (pr 10/20 Famularo-JP)
- 4760 1057 YUNNAN PBS: CC: Inst mx to 1059; W ID and 5 short plus 1 long TP; into M/W nx...1132 fadeout (252 10/17 D'Angelo-PA)
- 4915 1455 GUANGXI PBS: CC: EE country mx tunes--rather unusual px for them! (343 10/14 Pimblett-AB) (Welcome back, Nigel!-ed.)
- 6095 1526 TAIWAN-2: CC: Classic CC mx mixed w/CC elevator mx (353 10/21 Kunkel-CA)
- 6955 \*1100 RB: ESPERANTO: IS and ID's sounding like "Parelo Radio Pe-Kino"; (p) frq list and M/W nx; QRM de ute on 6958; hrd // 9480 (323 10/1 Park-HI) (Welcome to the column, Dale!-ed.)
- 7155nf 1530 CPBS-1: CC: Classic CC theatre; distorted modulation; // 7504 (343 10/28 Kunkel-CA)
- 7770 1055 CPBS-2: CC: CC mx/tlk; @ 1100 TP/W ID; 5 mins nx and back to mx (242 10-21 Prath-FL)
- 8660 1540 RB: ??: W tlk in unID lang; ment "Moscu"; listed in 1990 PWBR as RB feeder, but best was in AM mode (333 10/14 Berri)
- 9665nf 1217 RB: EE: CC press review; ID; travelogue of Hebei province; back here for D89; ex-17855 (343 11/11 ed.)

CHINA continue...

15590 0455 CPBS-1; CC: Light CC pops w/M ancr; //15550 (455 10/5 Kunkel) RB also logged as follows: 11500 in EE by Cichorek-NJ; 11510 in EE by Willers-SW; 11755 in EE by Cichorek-NJ; 15260 in Hakka/Cantonese by Rogers-MA; 15290 in SS by ed.; 17855 in EE by Brown-IL, Cichorek-NJ, Langlois-FL, Robinson-TN, and Wright-NF.)

FRENCH POLYNESIA

RFO Tahiti

9749.1 0835 RFO: FF: M tlk w/group applause (333 10/15 Moon-CA)

GUAM

KSDA KTWR

13720 1000 KSDA: EE: Nx abt Asia and NZ (333 10/15 Fischer-WI)  
15205 0802 KTWR: EE: IS; M ID/px preview; into "Our Daily Bread" taped in Grand Rapids MI (333 10/1 Park-HI)  
15225 0529 VO HOPE VIA KSDA: CC: M ID/address in EE; then CC radio drama (454 11/1 Matsushita-JAPAN) (Yukimasa rpts that VO Hope is using this relay via KSDA until they get their own station built; the sked is 15225, Mon-Fri, 0400-0500 KK, 0500-0600 CC, 0600-0800 EE. Thanks for the info!-ed.)

HONG KONG

BBC WS relay in EE rptd this month on 15280 by Kunkel-CA, Rogers-MA and ed.; on 17875 in EE by Wright-NF; on 21715 in EE by Hanson-WA, Matsushita-JAPAN and ed.

INDIA

All India Radio

7145 0123 AIR: NEPALI: IS to 0125 Nepali s/on anmts (343 10/24 Kunkel)  
7412 2118 AIR: EE: Indian vcls; cmt; on fish farming (333 10/15 Kar-cheski-MA) @ 1535 w/w nx; barely readable w/deep fades (242 10/28 Kunkel-CA) @ 2148 w/px of filmi mx w/the same w play-back singer you always hear (333 11/3 ed.)  
11880 0100 AIR: BURMESE: Hindi mx w/M Burmese tlk; 0114\* (242 10/10 Kunkel)  
15020 1326 AIR: (1)SINHALA: Subcont mx/vcls w/M ancr; @ 1330 M ID/nx; weak/fluttery (322 10/30 Cichorek-NJ) @ 1411 w/w tlk abt GDR; 1415-1440 filmi mx; then M "Yeh All India Radio" and Indian nx items (333 11/10 ed.)  
15365 1151 AIR: THAI: Subcontinent vcls; @ 1159 W "Thinl All India R." / closing anmt; 1200\* (433 11/9 ed.)

INDONESIA

Radio Republik Inonesia

3231.8 1430 RRI BUKITTINGI: IN: M speech; //3215 (253 10/28 Kunkel-CA)  
3265 1435 RRI GORONTALO: IN: M speech; //3215 (255 10/28 Kunkel-CA)  
3306 1458 RRI DILI: IN: Indo vcl; into RRI nx @ 1500 (333 10/14 Pimblett-AB)  
4003 1307 RRI PADANG: IN: RRI nx to 1310; lcl ID (433 10/15 Pimblett)  
4607 1520 (T)RRI SERUI: IN: M tlk; Indo mx (232 10/14 Pimblett-AB)  
4875 1050 RRI SORONG: IN: Lcl vcls; @ 1100 SCI/ID; then nx to 1106; better reception the following 2 days (252 10/3 D'Angelo-PA)

IRAN VOIRI logged on 9022 in EE by Bevens-MA and Willers-SW, and in Farsi by Cichorek-NJ; on 15084 in Farsi by Karcheski-MA and Wright-NF.

IRAQ R. Baghdad logged on 13660 in EE by Berri-CA, Fraser-MA, Robinson-TN and Wright-NF; on 13680 in AA by Kunkel-CA; on 15130 in AA by ed.

ISRAEL

Kol Israel

11605 2240 KI: EE: ID; tlk abt rpts of Israel-Safr missile cooperation (333 10/29 Brown-IL) @ 0500 w/nx of firefighters' strike (433 10/11 Fischer-WI) @ 1919 in RR w/tlk abt Yom Kippur (443 10/9 Rogers-MA) (also logged in EE by Cichorek-NJ and Bevens-MA)  
12077 0000 KI: EE: Nx (433 10/20 Bishop-NY) (More details, please.-ed.)  
15640 2009 KI: EE: Syrian pilot flies MiG into Israel (555 10/13 Robinson-TN) @ same time w/interview w/professor (555 10/14 Bevens)  
21780 1120 KI: EE: Tlk on creation story; ID; PSA to eat granola (!); nx brlefs/wx; into FF @ 1130 (fr-gd 10/27 Famularo-JAPAN)

JAPAN

Radio Japan

9580 1500 RJ: CC: JJ lesson; ID @ 1505; co-chan RA (333 10/31 Matsushita)  
11870 0225 RJ: JJ: Classic JJ instrumentals (333 10/29 Kunkel-CA)  
15140 1627 RJ: JJ: 2 W tlk w/ments Tokyo/NHK (333 10/15 Berri-CA)  
17890 2328 RJ: IN: Light inst mx; @ 2330 anmt and JJ lesson; killed by RM OC @ 2335 (333 11/9 ed.)  
21610 0245 RJ: JJ: Comedy px w/live audience (433 10/16 Fischer-WI) @ 2351 in EE w/tlk abt JJ word processors (343 11/9 ed.) (31)

JORDANHALEO QURAN

- 9560 2116 RJ: EE: Western pops; tlk abt contest to design birthday card for King Hussein (353 10/29 Wright-NF) @ 2000 w/nx and Western pops; some CW QRM (444 10/15 Robinson-TN) @ 1727 w/pr "Date with a Star"; lots of QRM (533 10/18 Willers-SWITZERLAND)
- 9835 2050 RJ: AA: MidEast mx; ID/nx @ 2100; QRM de co-channel Budapest (433 10/18 Rogers-MA)

KOREA, D.P.R.Radio Pyongyang

- 9325 \*1500 RP: EE: Usual s/on routine; woodpecker QRM (322 10/31 Berrri-CA)
- 9345 1037 RP: RR: Usual Stalinist-style mx; @ 1043 "Govorit Pyongyang" and into tlk (242 11/2 ed.)
- 9977 1116 RP: EE: Usual tlk on reunification and patriotic vocals; ID @ 1130 (343 11/2 Cichorek-NJ)
- 13650 2315 RP: EE: Feature "Pyongyang, the Capital" (343 10/15 Flynn-CA) @ 0620 in EE w/praise of Kim Il-Sung, etc. (433 10/8 Moon-CA)
- 13675 2320 RP: SS: Nx and features to LatAm; this frq had "echoes" (243 10/15 Flynn-CA) (Is this a new frq?-ed.)
- 15115 \*0000 RP: EE: Usual s/on routine w/the "kiloHertz" lady; nx of KIS message to Najibullah; QSB plus DW-15105 splash (333 11/6 ed.)
- 15160 2240 RP: KK: w tlk/militant mx; sig muddled but gd for this time of day (fair 10/2 Howell-CA)

KOREA, REPUBLIC OF

RK logged on 9750 in EE by Carson-OK and Robinson-TN; on 15575 by Bishop-NY, Cichorek-NJ, Thornton-NJ and Willers-SWITZERLAND.

KUWAIT RK logged in EE on 11665 by Cichorek-NJ; on 13610 in EE by Jones-TN, Matsushita-JAPAN and ed.; on 15505 in AA by Willers-SWITZERLAND; on 17850 in AA by Kunkel-CA; on 21675 in EE by Wright-NF. Note that, as of this writing (11/15), 13610 is the only frq used for EE 1800-2100.-ed.

LEBANONVoice of Hope Voice of Lebanon

- 6280.1 2100 VOH: EE: w/M ID's; nx--half of which was from the BBC; rlg cmt/y/mx (334 10/28 Willers-SW) (Steve, did you get your recent QSL for VOH via the US address? See below.-ed.)
- 6549.6 0014 VOL: AA: AA tlks; nx @ 0017 (333 10/2 Karcheski-MA) @ 0055 w/MidEast mx to 0111; ad string; @ 0115 chime/ID/nx (433 10/19 Rogers-MA) @ 2315 w/nx--mni ments Beirut; then mx w/w taking phone calls (333 10/30 Cichorek-NJ) on 6549.3 @ 1834 in EE w/"This is the VO Lebanon"; nx; AA mx (333 10/16 Willers-SW) (Walter Karcheski notes "USPS will not deliver mail to Lebanon; recent rpts have been returned."-ed.)

MALAYSIARadio Television Malaysia Voice of Malaysia

- 4950 1446 RTM KUCHING: EE: Business and stock market rpt (444 10/14 Pimblett-AB) @ 1455 w/interview; @ 1458 oboe/drums, then light mx (455 10/28 Kunkel-CA) @ 1400 w/nx and police blotter (333 10/10 Moon-CA)
- 5005 1449 RTM SIBU: EE: Beautiful SPac-style w vcl; //4895 (444 10/14 Pimblett-AB)
- 5030 1412 RTM KUCHING: EE: ID; pop mx; into lang (443 10/10 Moon-CA)
- 15295 1025 VOM: CC: IS; @ 1030 TS; ID; nx and mx (354 10/20 Carl-RI)

MARIANA ISLANDSKHBI

- 9455 0150 KHBI: EE: Test xmsn w/sked, Boston address, ID's ment test xmsn and this new callsign (ex-KYOI) (fr-gi 11/3 Famularo)
- 15115 1145 KHBI: EE: "Letterbox"; World Christian Monitor sked; M ID and off 1155\* (444 11/6 Matsushita-JAPAN) (Check out last month's "Continuous Tuning" for the complete KHBI sked.-ed.)

MYANMARVoice of Myanmar

- 4725 1446 VOM: BURMESE: Vocals w/w ancr; by 1458 nearly gone; QRM'i by USB coded messages (poor 10/21 Thompson-CA) (Hi, Peggy!-ed.)
- 5985 1430 VOM: EE: Opening anmt w/ID/frqs; into "Still Rock and Roll" by Billy Joel (433 10/15 Pimblett-AB) (t) @ 1505 w/oldies circa 1960-1962 w/M ancr; no ID; rapid fade--gone by 1525 (455 10/28 Kunkel-CA)

NEW ZEALAND

RNZI reported in EE on 15485 by Brown-IL and on 17705 by Carson-OK.

(Has everyone been logging 9 MHz RA signals for the A/O Loggings Contest? The lucky winners will be announced next month.)



OMAN Radio Oman  
17735 2058 HO: AA: AA mx; @ 2100 ID; nx to 2109; another "Oman" ID and back to mx (545 10/1 Karcheski-MA) @ 1630 w/ID; drama w/ M/W/crying baby; ID's used "Oman" rather than "Musqat" as in WRTH (444 11/5 Rogers-MA)

PAKISTAN Radio Pakistan  
11570 1940 RP: FF: M DJ w/FF pops; @ 2000 ID/Pakistani press review (333 10/9 Rogers-MA)  
13665 1610 RP: EE: Nx/emty; using "typewriter song" as theme (242 10/14 Flynn-CA)  
21490 0230 RP: EE: Slow-speed nx abt Pakistan (322 10/10 Fischer-WI)  
21740 \*1558 RP: EE: IS; ID; YL nx of Pakistan/world (333 10/26 Willers-SW) @ 1450 in URDU w/subcontinent vcls; @ 1459 "typewriter song"; 3 TP; "Yeh R. Pakistan hay" ID/nx (333 11/13 ed.)

PAPUA NEW GUINEA  
3220 1232 R. MOROBE: PD: Mix of PNG/western vcls to 1259; closing anmts/NA; 1302\* (333 10/15 Pimblett-AB)  
3235 1038 R. WEST NEW BRITAIN: PD: Tribal vcls/drums to 1049; M tlk w/EE phrases; @ 1100 PD/EE ID's and EE nx (232 10/9 D'Angelo)  
3260 1052 R. MADANG: PD/EE: Inst mx to 1059; tlk; TP and nx in PD/EE ending w/lcl ID (232 10/11 D'Angelo-PA)  
3275 1302 R. SOUTHERN HIGHLANDS: PD: Just tuned in to catch an ID and then NA to 1303\* (333 10/15 Pimblett-AB)  
3315 1101 R. MANUS: PD: Mix of lcl mx/western pops; M DJ tlkd over end of each cut; ID/nx @ 1130 (252 10/15 D'Angelo-PA)  
3335 1112 R. EAST SEPIK: PD: End of W nx; 1115-1130 px of lcl vcls w/W host; then ID and lcl inst mx (232 10/9 D'Angelo-PA)  
3355 1109 R. SIMBU: PD/EE: EE rock mx w/M giving titles between cuts; lcl ID @ 1133; heavy RTTY QRM on 3356 (222 10/14 D'Angelo)  
3385 1103 (t)R. EAST NEW BRITAIN: PD: Lcl vcls w/guitar; M DJ; occ bird sounds in background; gone by 1134 (222 10/9 Karcheski-MA)  
3395 1102 R. EASTERN HIGHLANDS: EE: NBC national nx to 1110; then lcl ancr tlk/TC (242 10/13 D'Angelo-PA)  
4890 0725 NBC PORT MORESBY: EE: Lots of US pops; anmts/wx forecast; @ 0800 ID/national nx (433 10/19 Miller-CA)

PHILIPPINES Radio Veritas Asia VOA relay  
9615 1156 RVA: EE: Just caught closing ID/anmt that they'd be back in KK @ 2100 (444 10/14 Pimblett-AB)  
15445 1519 RVA: EE: Tlk abt saving the earth; @ 1525 ID/world nx (444 10/10 Miller-CA) @ 1511 w/W nx; @ 1523 ID/frq anmt (545 11/4 Willers-SWITZERLAND)  
VOA relay logged on 6030 in EE by Wright-NF; on 15160 in EE by Cichorek-NJ; on 15290 in EE by ed.; on 17735 in EE by ed.; on 17865 in RR by Park-HI; on 21475 in BENGALI by Kunkel-CA.

SINGAPORE BBC relay Singapore Best Corp  
3915 1503 BBC: EE: "Newsreel" (444 10/14 Pimblett-AB)  
5052 1126 SBC: EE: Country/western mx w/M DJ; ments SBC during an interview (222 10/4 Cichorek-NJ) @ 1451 w/disco mx; // QRM'd 5010 (343 10/14 Pimblett-AB)  
9570 2156 BBC: EE: Bow Bells IS to 2159; ID "from the Far Eastern Relay" on 9570//3915; then into "Newshour"; hrd several times since this date (232 11/5 ed.)

SOLOMON ISLANDS Solomon Islands Best Corp  
5020 0727 SIBC: EE: Dramatic presentation; ad for gum; ID "This is R. Happy Isle"; //9545 (343 10/15 Pimblett-AB)  
9545 0725 SIBC: EE: Phil Collins song; ID/nx; ad for "Magic Noodles"; QRM de unID LatAm stn (fr-pr 10/27 Howell-CA)

SRI LANKA Sri Lanka Best Corp DW relay  
11930 1625 SLBC: (1)HINDI: Sinhalese-sounding mx; M anmt @ 1632\* (353 10/21 Kunkel-CA)  
15425 0132 SLBC: EE: "Back to the Bible"; @ 0159 ID/TP/nx; QRM de R. Moscow co-channel (433 10/13 Rogers-MA)  
17800 0257 DW: PASHTO: IS w/ID's sounding like "Da R. Deutsche Welle de"; EE site ID and Pashto s/on anmts (232 11/2 ed.)  
21630 1025 DW: FARSI: M tlks and a variety of MidEast mx; EE QTH ID @ 1050\* (fair 10/27 Pamularo-JAPAN)  
21650 0340 DW: PASHTO: Tlks/mx; EE site ID @ 0350\* (222 11/8 ed.) (33)

SYRIA R. Damascus logged on 9950 in EE by ROGERS-MA; on 10000 in EE by MILLER-CA; on 15095 in AA by Langlois-FL.

TAIWAN

WYFR relay Voice of Free China

9280 1441 WYFR: CC: WYFR theme mx; rlg mx; M tlk; EE Bible quotes (433 10/31 Berri-CA)  
11550 1326 WYFR: EE: M rlg tlk; mx; ID @ 1333 (232 10/5 Berri-CA)  
15270 0335 VOFC: CC: W tlk; "Chinese-restaurant mx"(vry poor 10/25 Howell)

THAILAND

Radio Thailand

.9655 1200 RT: EE: M ID; NA; ID "R. Thailand Overseas Service"; nx; finally hrd after trying for 9 years! (222 10/17 Berri-CA) @ 1200 w/lcl nx, incl item on Thailand's exports of instant noodles (333 10/15 Pimblett-AB) (Wonder if they export them all to the Solomon Islands?-ed.)

TURKEY VO Turkey hrd as follows: 9445 in EE by Fischer-WI, Fraser-MA, Woering-MA, and in TURKISH by Bevens-MA; 9685 in EE by Rogers-MA; 9795 in FF by Wright-NF; 15405 in AZERI by Kunkel-CA.

UNITED ARAB EMIRATES

UAE R. Dubai logged as follows: 15320 in AA by

Kunkel-CA; 15400 in EE by Brown-IL and ed.; 17890 in EE by Kunkel-CA; 21605 in EE by Cichorek-NJ.

VO UAE Abu Dhabi logged (often!) as follows: 9595 in EE by Prath-FL; 9780 in AA by Rogers-MA; 11985 in AA by Berri-CA, and in EE by Brown-IL, Prath-FL, Robinson-TN, Wright-NF, ed.; 13605 in AA by ed., and in EE by Brown-IL; Cichorek-NJ, Flynn-CA, Prath-FL; on 25685, 25690, 25895 and 25900, all in AA, all by ed.

YEMEN ARAB REPUBLIC

Radio San'a

5950 1509 (t)RS: AA: Very deep-voiced W tlk in AA; no ID hri (252 10/21 Kunkel-CA)  
9780 0300 RS: AA: NA; M ID/frq anmt; into Qur'an (322 10/8 Cichorek-NJ)

UNIDENTIFIED

3984.6 1509 ??: Variety of mx, incl some EE 60's tunes; M host; fade-out by 1530 (221 10/14 Pimblett-AB)  
.5908 1508 ??: Tamil-sounding M tlk; some mx; heavy QRM (333 10/28 Kunkel-CA) (Want a wild guess? The 1990 PWBR lists R. Pakistan HS xmtrs on 3980v and 5905v at the above times; wonder if they could be varying that far?-ed.)  
11810 0145 GG?: DW IS and mx from "Carmen"; very faint and mixing w/ Iraq; is this Sri Lanka?? (vry pr 10/17 Howell-CA) (Darned if I know, Joe! DW uses this frq a lot, but none of the skeds/references have them on this frq at this particular time, in any language.-ed.)

Hope I can squeeze in this SLBC sked, from the 9/89 and 11/89 "SW DX Guide" of the JSWC, kindly sent along by Yukimasa Matsushita. Tnx, OM!!

- 0030-0230--EE on 6005, 9720, 15425
- 0030-0430--Hindi/Nepali/Urdu on 7190, 11800
- 0230-0430--EE on 9720, 15425
- 0430-0630--Hindi on 7190, 11800 (SUNDAYS ONLY)
- 0630-0730--Hindi/Urdu on 7190, 11800
- 0730-0830--Kannada on 7190, 11800
- 0830-1000--Telugu on 7190, 11800
- 1000-1100--Malayalam on 7190, 11800
- 1030-1130--EE/Sinhalese on 11835, 15120, 17850
- 1230-1730--EE on 6075, 9720
- 1300-1500--Hindi on 11895
- 1330-1630--Hindi on 7190, 11800
- 1500-1630--Hindi on 11930
- 1645-1745--Sinhalese on 11800
- 1745-1815--EE on 11800
- 1815-1845--Tamil on 11800

Gee, it's the end of another year! I wonder what 1990 will bring in the way of interesting DX catches? Maybe regularly decent signals from the new RNZI xmtr, maybe that private station from NZ that's been talked about, maybe a reactivated R. Erga, maybe some new relay swaps from somewhere, maybe... You can fill in the blank, every month, right here--that's what this column is for, folks. See you next time!

73-7304

# QSL REPORT



Ray Forsgren 4856 Inlet Drive Chippewa Falls, WI 54729

## AFRICA

- CHAD R Nationale: 4904.5 f/d sked like ltr w/ sticker in 55 ds for a FF rpt & 3 ircs. (Landau-NJ).  
MALI R Beijing Relay: 11715 f/d Sculpture cd w/ paper cutting in 25 ds (Landau-NJ).  
NAMIBIA RadioSWA: 3290 f/d Desert cd w/ ltr & sked in 71 ds for ms. V/S P. Schachtschneider. (Karcheski-MA).  
NIGERIA FRCN Ibadan: 6050 f/d form ltr in 44 ds for \$1. V/S V.A. Kalejalye. (D'Angelo-PA).  
SOUTH AFRICA Radio RSA: 21535 f/d Flame Lily cd in 26 ds. (Cichorek-NJ).

## ASIA

- BANGLADESH R Bangladesh: 11510 f/d Sunset cd in 7 mo after f-up for 2 ircs. V/S A. Rashid. Rpt sent in care of Taimur Rahman, secretary of RB listeners club, who requests books & mags for the club. (NJ-Cichorek).  
CHINA R Beijing: 17855 f/d Temple of Heaven cd w/ goodies in 32 ds (Cichorek-NJ).  
HONG KONG BBC Relay: 17875 f/d pfc in 16 ds after f-up for \$1. Rpt sent direct to HK. (D'Angelo-PA).  
JAPAN R Japan: ???? n/d persimmons cd in 20 ds. (Reeves-OR). RCI Relay: 15270 f/d cd in 16 ds. (Jones-TN).  
MALAYSIA VoM: 15295 f/d ltr w/ sked in 33 ds for ms. (George-MA). p/d ltr w/ sked in ?? ds for ms. (Card-RI).  
NORTH KOREA R Pyongyang: 11735 f/d flowers cd w/ goodies in 64 ds after 4th f-up for an irc. Rpt was mailed while in Beijing, and veri was sent to a relative in Canada. (George-MA).  
SINGAPORE BBC Relay: 11750 f/d Antenna cd in 45 ds for ms. (Card-RI).  
SOUTH KOREA R Korea: 15575 f/d Sunrise cd in 32 ds. (Cichorek-NJ). f/d cd w/ goodies in 38 ds. (Bishop-NY). f/d cd in 21 ds. (Reeves-OR).  
SRI LANKA SLBC: 15425 f/d station cd in 117 ds for 2 ircs. (MA-Karcheski). VoA Relay: f/d cd in 6 mo after phone call to station, which resulted in the rpt being found. (Eckert-PA).  
SYRIA R Damascus: 12085 f/d cd w/ sked & sticker in 308 ds (Fischer-WI).  
TURKEY VoT: ???? f/d Purse cd in 45 ds. (Reeves-OR).  
U.A.E. R Dubai: 15435 f/d Map cd w/ sked & flag in 56 ds V/S K.F. Fenner. (Willers-SW).

## EUROPE

- AUSTRIA RAI: 13730 f/d Vorarlberg cd w/ sked in 67 ds. (Bishop-NY). f/d cd in 74 ds. (Blight-MD).  
BELGIUM BRT: 5910 f/d Statue cd in 25 ds. (Willers-SW).  
CZECHOSLOVAKIA R Prague: 7345 f/d Castle cd in 34 ds. (Wright-NF).  
GREECE VOG: ???? f/d cd in 40 ds. (Reeves-OR).  
G.D.R. RBI: 6115 f/d TV Tower cd in 71 ds. (Willers-SW). 7260 f/d Berlin cd in 72 ds. (Willers-SW). 13610 f/d cd in 85 ds. (Levison-PA). f/d Suhl cd w/ sked in 150 ds. (Reeves-OR).  
ICELAND ISBS: 15767 f/d Fra Porsmork cd in 23 ds for 2 ircs. (Landau-NJ).  
NETHERLANDS RN: 5955 f/d "Small Van" cd w/ sked & info in 29 ds. (Willers-SW). 9715 f/d Amsterdam cd in 18 ds. (Willers-SW).  
NORWAY ???? f/d Ramsdalshorn cd in 25 ds. (Reeves-OR).  
ROMANIA R Bucharest: 15380 f/d County Bihor cd w/ sked in 126 ds. (Levison-PA). 9510, 11830 & 11940 f/d Brason cd w/ sked & stamps in 107 ds. (Levison-PA).

- SPAIN/ REE: 9630 f/d Madrid cd w/ form in 114 ds. (Bishop-NY). 15110 f/d 1992 cd in 87 ds. (Brown-IL). f/d cd w/ pennant, sticker & sked in 164 ds. (Landau-NJ). f/d cd w/ survey & goodies in 185 ds. (NF-Wright). 15125 f/d cd w/ info & forms in 139 ds. (Bishop-NY).
- SWEDEN/ RSI: 9655 f/d Stockholm cd in 10 ds (Willers-SW).
- SWITZERLAND/ SRI: 9885 f/d St. Gall cd in 18 ds for an irc. (Landau-NJ). f/d cd in 42 ds. (Brown-IL).
- VATICAN CITY/ R Vaticana: 11780 f/d Palazzo Pio cd in 111 ds. (Brown-IL).

U.S.S.R.

- R Kiev: 11675 f/d Painting cd w/ calendar & stamp in 117 ds. (Levison-PA). 12000 f/d cd w/ sked, stamp & quiz in 86 ds. (Levison-PA) f/d Treasures cd in 57 ds. (Reeves-OR).
- R Moscow: 11730 f/d University cd w/ yearbook in 93 ds. (Levison-PA).
- R Peace & Progress: 11980 f/d Globe cd w/ sked & forms in 47 ds. (NJ-Landau).
- R Vilnius: 9860 f/d "Lithuania" cd w/ sked & DX Club info in 136 ds (Trescher-PA).

NORTH AMERICA

- ANTIGUA/ DW Relay: 6085 n/d Sri Lanka cd w/ booklet in 139 ds (NJ-Landau).
- CANADA/ R Japan: 5960 n/d Kyushu cd w/ form & info in 41 ds. (Bishop-NY). n/d cd w/ info in 64 ds. (Bishop-NY). n/d Persimmons cd in 82 ds. (Blight-MD).
- CUBA/ R Habana: 6140 f/d Spearfishing cd w/ wallet photos of "Cuban Heroes" in 208 ds (Fischer-WI). R Moscow Relay: 4765 f/d Doll/Map cd w/ sked & info in 93 ds for a SS rpt. V/S Manolo de la Rosa. (Landau-NJ).
- DOMINICAN REP./ Radio Mil via Radio Clarin: 11700 p/d form ltr in 294 ds after f-up for a SS rpt & ms. V/S Pedro Justiniano P. (D'Angelo-PA).
- HONDURAS/ Sani Radio: 4755 p/d form ltr in 3 yrs for a SS rpt & ms. V/S Jacinto Molina Gonzalez. Address: Apto 2040, Tegucigalpa DC. (Eckert-PA).
- U.S.A./ WHRI: 7520 f/d Logo cd w/ sked & form in 182 ds (Landau-NJ). WWCR: 15690 n/d form ltr in 84 ds. V/S Br. David Terrell & Sis. Bonnie Terrell. (D'Angelo-PA).

OCEANIA

- AUSTRALIA/ RA: 9850 f/d Bicentennial cd in 380. (Card-RI). VLQ 9: 9660 f/d "Photocopy" cd w/ stickers in 24 ds for 2 ircs. (Landau-NJ). VLW 15: 15425 f/d Map/Sked cd in 37 ds. (Cichorek-NJ).
- FRENCH POLYNESIA/ RFO: 15171 f/d Shell/Logo cd w/ map & station list in 62 ds for a FF rpt & 3 ircs. (Landau-NJ).
- GUAM/ KSDA: 11980 f/d "Stickers" cd w/ pennants, sked & info in 56 ds for ms. (Karcheski-MA). KTWR: 11805 f/d Studio cd w/ thank you cd in 40 ds. (Wright-NF).
- KIRIBATI/ R Kiribati: 14802 f/d Canoe racers cd in 50 ds after 3rd f-up for ms. (Evans-TN). 14917.7 f/d Scout Camp cd in 6 mo for a tape & 3 ircs. (Eckert-PA).

SOUTH AMERICA

- BRAZIL/ RadioBras: 11745 f/d cd w/ sked & form in 97 ds. (Bishop-NY). f/d "Slip of Paper" cd in 95 ds. (Reeves-OR). SRI Relay: 17730 f/d Building cd w/ sked in 36 ds. (Jones-TN). Rdif. do Amazonas: 4805 n/d Vitoria Regia postcard in 121 ds for a PP rpt & \$1. (D'Angelo-PA). Rdif. de Londrina: 4815 n/d Londrina cd in 93 ds for a PP rpt & \$1. (D'Angelo-PA).
- COLOMBIA/ La Voz de Yopal: 5050 p/d cd w/ ltr & sticker in 42 ds for a SS rpt & ms. V/S's: Blanca Lilia Silva G., Martha Cecilia Socha P., & Pedro Antonio Socha. (D'Angelo-PA). RCN Bogota: 6160 f/d folder cd w/ ltr in 50 ds after f-up for a SS rpt & ms. V/S Antonio Pardo Garcia. (D'Angelo-PA).

ECUADOR/ HCJB:???? f/d Galapagos Stamps cd in 35 ds. (Reeves-OR).  
 R Federacion: 4960 n/d personal ltr w/ postcards in 37 ds for a  
 SS rpt & ms. V/S Julio Tiwiram. (D'Angelo-PA).  
FRENCH GUIANA/ 9800 f/d Montisinery cd in 105 ds. (Reeves-OR).  
VENEZUELA/ R Continental: 4940 f/d Logo cd w/ info in 153 ds for a  
 SS rpt & 2 ircs. (Landau-NJ).

UTILITIES

AUSTRALIA/ VIX: 16919 p/d paper cd in 40 ds for ms. V/S Peter Love.  
 (George-MA).  
AZORES/ RPTIH: 14410 n/d ltr in 45 ds. (Conway-UK).  
BAHRAIN/ A9M: 17202 f/d ltr in 10 ds. (Conway-UK).  
CANADA/ VCS: 12874 f/d ltr w/ pfc in 120 ds. (Conway-UK).  
CAPE VERDE/ D4A: 8469 f/d pfc in 35 ds for a PP rpt & ms. (George-MA).  
CZECHOSLOVAKIA/ OLB5: 3170 f/d Observatory cd in 43 ds for ms. (MA-  
 Karcheski).  
GREAT BRITAIN/ GKX41: 8170 f/d cd w/ pfc in no time at all- got  
 during a visit to station!! V/S & tour host Larry Bennett. (UK-  
 Conway).  
MALAYSIA/ 9WW22: f/d pfc in 131 ds for 2 ircs. (Conway-UK).. Congrats  
 on this one Peter!..  
MEXICO/ XFM: 12879.5 f/d Map cd w/ ltr in 32 ds for a SS rpt & ms.  
 V/S Luis Guzman S. (George-MA).  
NETHERLANDS/ PCH: 4355 f/d cd in 60 ds. V/S A. Keijzer. (Conway-UK).  
NEW CALEDONIA/ FZM15: 15948.5 f/d pfc w/ ltr in 32 ds for an irc.  
 (Conway-UK).  
SWITZERLAND/ HEC28: 8714 f/d pfc w/ cd in 13 ds. (Conway-UK).  
TURKEY/ TAH: 22548 f/d ltr w/ sked in 50 ds. (Conway-UK).  
U.S.A./ KLB: 17007.7 f/d pfc in 60 ds for an irc. V/S B. Panchot  
 (Conway-UK).  
SHIPS/ WRFJ: 6200 f/d pfc in 38 ds for ms. V/S Conrad Durham. (Gerstner-  
 FL). NNNOCYG: 14463.5 f/d pfc in 19 ds for ms. V/S Tim Slaughter  
 (Gertner-FL). NNNOCVN: 14470 f/d pfc in 22 ds for ms. V/S Paul  
 Deufaus. (Gerstner-FL). NNNOCNX: 14477 f/d personal ltr in 30 ds  
 for ms- which was returned. Also got a photo & Welcome Aboard info.  
 V/S Robert Cowan. (Gerstner-FL). NNNOCXR: 14477 f/d pfc in 40 ds for  
 ms. V/S A. Miatt. (Gerstner-FL). NNNOCVI: 14477 f/d pfc w/ photo,  
 bumper sticker & info in 40 ds for ms-which was returned. (FL-  
 Gerstner). NNNOCZA: 14477 p/d ltr w/ pfc in 85 ds for ms- which  
 was returned. V/S L.F.K. Swift. (Gerstner-FL).

CLANDESTINES & PIRATES

KNBS: 7411 f/d "Cannabis 41" cd in 12 ds for ms. (Blight-MD). Radio  
Chesapeake Bay Intl: 7415 f/d ltr in 19 ds for ms. (Blight-MD).  
Radio Flatulence: 7415 f/d "Far Out Radio" cd in 21 ds for ms.  
 (Blight-MD). Voice of Stench: 7415 f/d "Turkeys of Free Radio"  
 cd in 23 ds for ms. (Blight-MD). United World Radio: 7415 f/d  
 cd w/ pennant in 51 ds for a SASE & a tape. Pennants are sent to  
 those sending in taped rpts. (Blight-MD). Radio Garbonzo: 7415  
 f/d ltr in 170 ds after f-up for ms. Station sent back \$1 because  
 of "Excess postage sent"!! (Blight-MD)...there's a first...Radio  
Clandestine, Radio Moranic & Pirate Radio Network: 7415 & 7355  
 f/d ltr in 145 ds for a SASE. V/S R.F. Burns. (D'Angelo-PA).  
Voice of Stench: 7416 f/d "FartDX" cd in 8 ds for ms. V/S Eddie  
 Egghead Johnson. Address: PRMS, P.O. Box 6527, Baltimore MD, 21219  
 (Karcheski-MA). WBST-666: 7488 f/d cd in 9 ds for a tape & ms. (MD-  
 Blight). Weekend Music Radio-Scotland: 15043 f/d Cartoon cd w/  
 stickers & ltr in 25 ds for 2 ircs. V/S Jack Russel. 80 watts!  
 (Karcheski-MA). \*\*\*\*\* 73 & have a very Merry Christmas,



# Utility Scene

Editor: Paul Lannuier, N2HIE

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## SOLAR FLARE

According to the Hiraio Solar-Terrestrial Research Center, Communications Laboratory, Japan, a reddish aurora was observed for about 10 minutes from Wakkanaï, Hokkaido, Japan at 11:45 UTC on 21Oct89. This same solar disturbance blacked-out HF radio communications world wide.

(Via Space News 30Oct89)

## GALILEO SUCCESSFULLY DEPLOYED

Galileo was boosted into low-earth orbit by the US Space Shuttle ATLANTIS on Wednesday, October 18, 1989 and then boosted out of Earth orbit by a solid rocket Inertial Upper Stage (IUS). The spacecraft will fly past Venus and twice by Earth, using gravity assists from the planets to pick up enough speed to reach Jupiter. Travel time from launch to Jupiter is a little more than six years.

The two ton Galileo orbiter spacecraft carries nine scientific instruments. There are another six experiments on the probe. The probe's scientific data will be relayed to Earth by the orbiter during the 75-minute period when the probe is descending into Jupiter's atmosphere.

### Galileo Mission Schedule:

Venus Flyby (9,300 mi)	Feb. 14, 1990
Venus Data Playback	October 1990
Earth 1 Flyby (600 mi)	Dec. 13, 1990
Asteroid Gaspra Flyby (600 mi)	Nov. 03, 1991
Earth 2 Flyby (200 mi)	Dec. 13, 1992
Asteroid Ida Flyby (600 mi)	Sep. 02, 1993
Probe Release	July 1995
Jupiter Arrival (*)	Dec. 07, 1995
Tour of Galilean Satellites	Dec. 1995 -to- Oct. 1997

(\*): Includes 10 flyby, probe entry and relay, and Jupiter orbit insertion.

(Via Space News 23Oct89)

## UoSAT-OSCAR 9, R.I.P.

Max White at the Royal Greenwich Observatory reports that UoSAT-OSCAR 9 (UoSAT-1) decayed on Friday 13th October at 0751.49 GMT on Orbit 44761. Two possible locations for the final decay are given by different agencies as 49.25 220.9E, or 46.45 220.0E. These locations are over the South Pacific and were probably out of range of any receiving stations. The last report of telemetry we have so far is from K9CIS at the Richmond Community College in the USA. They heard the satellite between 03:43 and 03:49 on 13th October, and reported good signal strength and nominal telemetry. Any telemetry or reports from the last 6 hours of UO-9's life would be appreciated by the UoS Command Station at the following address:

UoSAT Spacecraft Engineering Research Unit  
Department of Electrical and Electronics Engineering  
University of Surrey  
Guildford, Surrey GU2 5XH, ENGLAND

(Via Space News 23Oct89)

# New Klingenfuss Utility Guide

The Eighth Edition of Klingenfuss' "Guide to Utility Stations" has just been released. The author once again, in his usual self-important fashion, suggests that his is the ONLY book the utility enthusiast really needs for a complete frequency reference. Of course, this is not true: No one book can possibly cover all aspects of our vast hobby. However, the book is quite accurate and is a recommended addition to any monitor's collection.

Interestingly, upon quick perusal of the new edition, I note that Herr Klingenfuss has started paying a little more attention to USAF communications, coincidental, I'm sure, to the recent release of Evans' outstanding "Aeronautical Communications Handbook." Of course, a more irrational, paranoid individual might start using words like "plagiarism" and "imitative".....

## Miscellaneous Traffic

DE ROBBIE REEVES: "While listening to WWV this morning (05Nov89), I came across the following message: 'An Extra leap second will be added on WWV, WWVH and WWVB on December 31, at 2359:60 UTC, to maintain Universal Coordinated Time:'"

DE ANDY GORDON: "US Navy MARS emergency immediately swung into action right after the San Francisco earthquake on 14383.5 kHz. Net control was NNNOASZ... This net was passing traffic in and out of the California area on USB & RTTY. I also heard amateur traffic being passed on 14288.0 kHz the next morning at 0900 UTC. Stations in Oakland and Frisco were sending death tolls, etc., to net control. Also, amateurs with family in the stricken area asked locals to call their families via landline, as AT&T blocked outside calls."

NEXT MONTH: A reminder that January's issue will contain the first installment of the new "SPEEDX Master Utility List," which will cover 1600.0 to 7999.9 kHz. Also, the latest in Aeronautical loggings. Contributors should NOT limit loggings to the above areas: Send in your loggings as you always have, and let your overworked (!) editor worry about sorting everything out. Of course, if one insists on splitting up Mobile loggings into Maritime and Aero groups, or arranging Fixed loggings in frequency order, I certainly won't object!

### Fixed Coastal and Naval Stations

KHz	MODE	COUNTRY	CALL	LOCATION	UTC	REMARKS	CONTRIBUTOR
8469.0	CW	Portugal	CUL8	Lisbon Radio	0315	CQ Marker	Perdue-AL
8485.0	CW	Israel	4X0	Haifa Radio	0124	CQ Marker	Perdue-AL
8504.0	CW	New Zealand	ZLB	Awarua Radio	1006	CQ Marker & tfc	Perdue-AL
8511.0	CW	Taiwan	XSW2	Taichung Radio	1502	CQ Marker	Berri-CA
8512.0	CW	Australia	VHI	unknown	1500	V Marker [ AGAIN??? QTH, anyone? ...ed ]	Berri-CA
8539.0	CW	Hong Kong	VPS35	Cape D'Aguliar Radio	1508	Tfc list & V Marker	Berri-CA
8567.0	CW	Mexico	XDA	Mexico City Radio	1015	CQ Marker, sloppy & s-i-o-w	Perdue-AL
8649.5	CW	Italy	ICB	Genoa Radio	0205	V Marker	Perdue-AL
8709.0	CW	Singapore	9V678	Singapore Radio	1547	ID Marker	Berri-CA
8710.0	CW	Hong Kong	VPS38	Cape D'Aguliar Radio	1548	ID Marker	Berri-CA
8717.0	CW	South Africa	ZSC62	Capetown Radio	1551	DE Marker	Berri-CA
9328.0	RTTY	Vietnam	....	Hanoi	1453	525/50R: VNA nix in EE	Berri-CA
12653.0	CW	Chile	CBV	Valparaiso Radio	0130	CQ Marker: New frequency?	Perdue-AL
12700.0	CW	China	XSQ4	Guangzhou Radio	2058	CQ Marker	Conway-UK
12709.0	CW	Barbados	BPO	Barbados Radio	0143	DE Marker	Perdue-AL
12730.0	CW	USSR	UMV	Murmansk Radio	2105	Wkg ULYS	Conway-UK
12750.0	CW	Uruguay	CWA	Cerrito/Punta Arenas R.	0042	CQ Marker & QSX freqs	Perdue-AL

12781.0 CW	Turkey	TAH	Istanbul Radio	0353	DE Marker	Perdue-AL
12788.0 CW	Japan	JFA	Matsudo Radio	2117	CQ Marker	Conway-UK
12849.0 CW	South Africa	ZSJ	Cape (Silvermine) Naval	0412	CQ Marker	Perdue-AL
12880.0 CW	Sweden	SA6	Goteborg Radio	0420	CQ Marker & tlc list	Perdue-AL
12887.5 CW	Spain	EAD44	Aranjeuz Radio	0427	ID & GSX freqs	Perdue-AL
12940.0 CW	Bulgaria	LZW	Varna Radio	0444	DE Marker	Perdue-AL
16860.8 CW	Saudi Arabia	HZ6	Dammam Radio	0724	DE Marker	Conway-UK
16861.7 CW	Indonesia	PKX	Jakarta Radio	1354	CQ Marker	Conway-UK
16862.5 CW	China	XSV	Tianjin Radio	2020	CQ Marker	Conway-UK
16869.0 CW	Panama	HPP	Panama Intemar Radio	1905	CQ Marker	Conway-UK
16870.5 CW	Philippines	DZJ	Manila-Bulacan Radio	2121	DE Marker & tlc	Conway-UK
16877.5 CW	Japan	JDB	Nagasaki Radio	1047	CQ Marker	Conway-UK
16906.0 CW	Iraq	YIR	Basrah Control Radio	1930	DE Marker	Berri-CA
16906.0 CW	Iraq	YIR	Basrah Control Radio	2033	DE Marker	Conway-UK
16911.2 CW	Japan	JNA	Tokyo Radio	1856	Marker & safety msgs	Conway-UK
16912.0 CW	Egypt	SUH5	Alexandria Radio	1654	V Marker	Conway-UK
16918.6 CW	Australia	VHP	Canberra Radio	1911		Conway-UK
16922.0 CW	USSR	UQA4	Kiev Radio	0734	Cig 4LS	Conway-UK
16942.0 CW	USSR	RCV	Moscow Naval	1923	Soviet Navy. V Marker & tlc	Conway-UK
16942.5 CW	Yugoslavia	YUR7	Rijeka Radio	1938	V Marker	Berri-CA
16950.0 CW	Malaysia	9MB6	Penang Naval	1941	Malaysian Navy. V Marker	Berri-CA
16958.0 CW	New Caledonia	FLJ	Noumea Naval	0920	French Navy. V Marker	Conway-UK
16959.0 CW	Society Is.	FUM	Papeete Naval, Tahiti	1842	V Marker	Conway-UK
16995.0 CW	Kuwait	9KK	Kuwait Radio	1611	CQ Marker	Conway-UK
17003.9 CW	Colombia	HKB	Baranquilla Radio	1610	CQ Marker	Conway-UK
17007.7 CW	USA	KLB	Seattle Radio	2118	CQ Marker	Conway-UK
17013.0 CW	Cyprus	SBA	Nicosia Radio	1607	CQ Marker. Also 8623.0 kHz	Conway-UK
17153.0 CW	USSR	URL	Sevastopol Radio	1544	CQ Marker	Conway-UK
17160.8 CW	Argentina	LSA6	Boca Radio	1853	Wx & mgs	Conway-UK
17160.8 CW	Brazil	PWZ33	Rio Naval	0931	Brazilian Navy. V Marker	Conway-UK
17183.5 CW	Zaire	9PA	Banana Radio	1548	V Marker. Off usual 17184.8 kHz frequency	Conway-UK
22330.5 CW	Angola	D3E81	Luanda Radio	1840	CQ and tlc. ID as D3E51/61/71 [ Presumed D3E81, per Klingenfuss ]	Perdue-AL

### Other Fixed Stations

kHz	MODE	COUNTRY	CALL	LOCATION	UTC	REMARKS	CONTRIBUTOR
4722.0	USB	England	MYU	RAF VOLMET, West Drayton	0213	Wx & ID at 0215	Karcheski-MA
5045.0	AM	Unknown	....	Unknown	2312	Numbers in EE	Karcheski-MA
5107.0	RTTY	Iran	EPD	Tehran	2102	425/50: "DE EPD RYRYRY..."	Conway-UK
5211.0	USB	USA	WG912	Mt. Weather, VA	0245	FEMA. Cig W6Y909 San Francisco after earthquake	Schulsinger-OH
5211.0	USB	USA	WG909	San Francisco, CA	0253	FEMA. Wkg W6Y912 Mt. Weather. First contact after quake	Schulsinger-OH
5696.0	USB	USA	....	several COMSTAs	....	USCG. Including: NHC San Francisco, NMF Boston, NFM Portsmouth & NMF New Orleans. Wkg many ships and planes	Berri-CA
6235.0	AM	Unknown	....	Unknown	0415	Numbers in EE by YL	Karcheski-MA
6746.0	USB	Canada	....	Halifax Military	0925	RCAF. Gave wx but talked fast	Alexander-IA
8150.0	CW	USSR?	UKS	Unknown	2050	TBW43 DE UKS QSA" Marker	Conway-UK
8828.2	USB	Hawaii	KV170	Honolulu VOLMET	1403	Wx	Berri-CA
9098.5	RTTY	Portugal	RPFN	Monsanto Naval	0318	850/75: Portugese Navy. RYRYRY/Foxes	Alexander-IA
9144.0	RTTY	Malaysia	9MY58	Kuala Lumpur	1452	850/50: MeLoe. RYRYRY & ID	Berri-CA
9168.0	RTTY	Italy	HBD54	Rome	0843	SITOR-A: Swiss Embassy. News in FF & 66	Conway-UK
9217.0	RTTY	Chad	TTL	NDjamena	2044	425/50: AFTN/ASECNA. "ZCZC DE TTL TESTING"	Conway-UK
9845.0	RTTY	Ivory Coast	TUH98	Abidjan	2330	AFTN/ASECNA. RYRYRY and "QH1 TFC"	Flynn-CA
10090.0	USB	USSR	....	[ Moscow VOLMET? ...ed ]	1136	Wx by YL. Off at 1140	Park-HI
10344.0	USB	USSR	....	unknown	1550	R. Moscow Feeder. Soviet rock show	Park-HI
11676.4	RTTY	Cameroon	TJK	Douala	2109	425/50: AFTN/ASECNA. Test. "DE TJK RYRYRY..."	Conway-UK
13275.0	USB	USSR	....	Khabarovsk VOLMET	0805	Wx (In EE?) for Khab., Pet-Kam, Novosibirsk, Irkutsk. "Khabarovsk out" at 0811	Park-HI
13282.0	USB	Japan	JMA	Tokyo VOLMET	0811	Wx in JP	Park-HI
13571.0	RTTY	Switzerland	HBD20	Berne	1641	SITOR-A: MFA. Tfc to Stockholm	Conway-UK
13737.0	RTTY	Kenya	SYD	Nairobi	1816	425/50: AFTN "KSA" circuit to Khartoum	Conway-UK



13870.0 RTTY	Burundi	9UA	Bujumbura	2050	425/50: AFTN 'BDA' circuit. lfc	Conway-UK
14497.0 RTTY	Azores	CSY	Santa Maria	2030	850/50: AFTN 'MCA' circuit. Wkg	Cape Verde Conway-UK
14508.0 RTTY	Cape Verde Is.	D4B	Amilcar Cabral Air, Sal	2040	850/50: AFTN 'CMA' circuit. Wkg	Santa Maria Conway-UK
16107.5 RTTY	Morocco	HBD52	Rabat	0905	SITOR-A: Swiss Embassy. Msgs. Off after c/s	Conway-UK
16120.0 RTTY	Unknown	HBD90	Unknown	1638	SITOR-A: Swiss Embassy. "THIS IS HBD90. WE ARE GRJ AT THE MOMENT, WISH YOU A NICE DAY 73", then off	Conway-UK
16383.0 RTTY	Vietnam	XVN	Hanoi	1156	850/50: VNA nx. GRA Marker	Conway-UK
20020.0 RTTY	East Germany	Y7A80	Berlin	1230	425/50: GRA Marker	Conway-UK

### Maritime Mobile Stations

kHz	MODE	NAME	CALL	UTC	REMARKS	CONTRIBUTOR
2182.0	USB	COLONEL TEMPLER	GTTA	1826	Cig Mallinhead Radio	Harland-UK
2182.0	USB	ESSO ABERDEEN	6ZDQ	1814	Cig Humber Radio	Harland-UK
2182.0	USB	GRAMPHON ROSE	....	1837	Cig GRAMPHON STAR	Harland-UK
2182.0	USB	HENRY GOODRICHSON	....	2120	Cig Wick Radio	Harland-UK
2182.0	USB	HIGH SEAS DRILLER	....	1840	Cig Wick Radio	Harland-UK
2182.0	USB	OCEAN VICTORY	....	1836	Cig Wick Radio	Harland-UK
2182.0	USB	SANTA FE 135	....	1835	Cig Wick Radio	Harland-UK
2182.0	USB	SANTA FE 140	....	1834	Cig Wick Radio	Harland-UK
2182.0	USB	ZEDCO 704	....	1809	Cig Wick Radio	Harland-UK
2226.0	USB	CITY OF MANCHESTER	....	2110	In OSO	Harland-UK
2714.0	USB	USS BARNEY	NBSD	0845	USN. Requesting radio check	Gordon-CT
2714.0	USB	USS ENGAGE	NMOM	0845	USN. Cig Newport Harbor Control	Gordon-CT
2716.0	USB	HMCS BLUETHROAT	CZDW	0915	RCH. Cig HMCS MARGAREE	Gordon-CT
2716.0	USB	MV BOLD VENTURE	....	0915	US merchant vessel wkg Navy tug PULATKA	Gordon-CT
2716.0	USB	USCGC GALLATIN	NJOR	0110	USCG. Wkg QM1 Halifax	Gordon-CT
2716.0	USB	USN TUG PULATKA	....	0845	USN. Cig Navy Bermuda Control	Gordon-CT
2716.0	USB	USS ALEXANDER HAMILTON	NFUG	1115	USN Ballistic Missile Submarine. Cig Canaveral. ID as 'Mike-2-Uniform'	Gordon-CT
2716.0	USB	USS CALIFORNIA	NKIN	0955	USN. Cig Alameda	Gordon-CT
2716.0	USB	USS HOLLAND	NAET	1040	USN. Radio check w/USOBANNON. Waiting to enter Charleston Harbor after Hurricane Hugo	Gordon-CT
2716.0	USB	USS INDEPENDENCE	NNGN	0945	USN. Wkg USS HEWITT	Gordon-CT
2716.0	USB	USS JAMES MADISON	NMYO	0930	USN Ballistic Missile Submarine. ID as 'OFL'. Wkg Canaveral ('404')	Gordon-CT
2716.0	USB	USS PENNSYLVANIA	....	1000	USN Ballistic Missile Submarine. ID as 'Kilo-4-Yankee', c/w 'India-B-Xray' (Canaveral)	Gordon-CT
2716.0	USB	USS PHARRIS	N6JS	0155	USN. Cig Norfolk	Gordon-CT
2716.0	USB	USS SIERRA	NAOD	0100	USN. Cig USS OBANNON. Preparing to ride out Hurricane Hugo	Gordon-CT
2716.0	USB	USS SIMON BOLIVAR	NSRN	0945	USN Ballistic Missile submarine. ID as 'Inbound Naval unit.'	Gordon-CT
2717.5	USB	USS CHANCELLORSVILLE	....	1100	USN. Cig Harbor Control Panama	Gordon-CT
4066.1	USB	USS HARRY W. HILL	NPFS	0425	USN. Cig "any station, this net."	Gordon-CT
6200.0	USB	NOAA SHIP CHAPMAN	WTDO	1346	Wkg NMG w/traffic check	Gerstner-FL
6200.0	USB	OVERSEAS HARRIETTE	WRJF	1344	Wkg NMG w/AMVER report	Gerstner-FL
6200.0	USB	USS PORTLAND	NCB6	0613	USN. Wkg COMSTA Portsmouth, VA	Perdue-AL
6221.6	USB	CARBON COPY	WXU3846	2009	Cig HIRAGE and DANNY	O'Connor-NH
6261.0	RTTY	M/V HAPPY VALLEY	ABVJ	0001	SITOR-A: Wkg WLO	Gerstner-FL
6266.5	RTTY	CLIPPER CRUSADER	EWZ4	2335	SITOR-A: Tfc to ???	Gerstner-FL
7535.0	USB	USS L.Y. SPEAR	NASO	1300	USN. Wkg Norfolk SESEF	Gordon-CT
7535.0	USB	USS LA MOURE COUNTY	NRKX	1730	USN. Wkg Norfolk SESEF	Gordon-CT
7535.0	USB	USS MONTEREY	....	2015	USN. New, uncommissioned Ticonderoga-class cruiser. Wkg Norfolk SESEF during sea trials out of Bath Iron Works, Maine	Gordon-CT
7535.0	USB	USS WASP	....	1745	USN. Wkg Norfolk SESEF	Gordon-CT
8241.5	USB	USS PENSACOLA	NZKI	0203	USN. Wkg COMSTA Boston (NMF)	O'Connor-NH
8294.4	USB	M/V DANIEL WEBSTER	....	1911	Wkg KCV684 Port Allen, LA w/daily report	Perdue-AL
8348.5	RTTY	ALVA MAERSK	9VBQ	1419	SITOR-A: Tfc to ???	Gerstner-FL
8348.5	RTTY	LEXA MAERSK	OXFB2	0002	SITOR-A: Wkg Lyngby Radio	Gerstner-FL
8349.0	RTTY	MV GUS W. DARNELL	KCDK	1343	SITOR-A: Wkg WLO	Gerstner-FL
8351.0	RTTY	AFRICAN AZALEA	DSFQ	1439	SITOR-A: Wkg WLO	Gerstner-FL
8351.0	RTTY	MV MERKUR AMERICA	CN067	1352	SITOR-A: Wkg WLO	Gerstner-FL
8356.0	RTTY	HELEN	Q6EL	2325	SITOR-A: Wkg WLO w/AMVER report	Gerstner-FL
8356.0	RTTY	JALINGA	LA062	0019	SITOR-A: Wkg WLO	Gerstner-FL

8357.0	RTTY	NORTH:ERN ENTERPRISE	V5B16	0019	SITOR-A: Wkg Portlthead w/AMVER report	Gerstner-FL
8387.0	CW	PEGASUS DIAMOND	JBEL	1236	Position 35N 137E	Jones-TX
8401.0	CW	RUJIMA	YTTY	0328	Wkg KLC	Jones-TX
8405.0	CW	ALFIOS	ELB7	0202	Wkg NIN. Position 26N 89W	Jones-TX
8424.0	CW	MERIDIAN SKY	ELIR3	0344	Wkg NMC. Position 43N 130W	Jones-TX
8719.0	USB	USS PAPA GO	NZPU	2055	USN. Wkg USS OPPORTUNE	Gordon-CT
12315.0	USB	USS JOHN L. HALL	NJLH	1845	USN. Wkg Norfolk SESEF. Also 7535.0 kHz	Gordon-CT
12490.0	RTTY	M/N CARTAGENA DE INDIAS	HJNR	1440	SITOR-A: Tfc to ???	Gerstner-FL
12490.0	RTTY	M/V ALMIRANTE JOSE PADILLA	HJNL	2248	SITOR-A: Tfc to ???	Gerstner-FL
12500.0	RTTY	ORANGE STAR	ELFS7	2320	SITOR-A: Wkg Panama Radio	Gerstner-FL
12501.5	RTTY	MAERSK NAVARIN	6JJC	2328	SITOR-A: Wkg WCC	Gerstner-FL
12501.5	RTTY	SS VERA CRUZ	3FAQ	1533	SITOR-A: Wkg WCC	Gerstner-FL
12504.5	RTTY	M/V NEDLLOYD EVEREST	AOVL	0101	SITOR-A: Wkg NIN	Gerstner-FL
12504.5	RTTY	USNS SEALIF CARIBBEAN	NKRV	2019	SITOR-A: USN. Wkg NIN w/coded wx	Gerstner-FL
12505.5	RTTY	ALMEDA STAR	ZDBR9	1313	SITOR-A: Wkg WLO	Gerstner-FL
12505.5	RTTY	TSS CARNIVALE	HOKL	1322	SITOR-A: Wkg WLO	Gerstner-FL
12511.0	RTTY	LEISE MAERSK	OXDW	1354	SITOR-A: Tfc to ???	Gerstner-FL
12816.0	RTTY	MV BIBI	V5B13	0053	SITOR-A: Wkg WLO	Gerstner-FL
12518.0	RTTY	HOLIDAY	3EKY3	2324	SITOR-A: Wkg WLO	Gerstner-FL
12518.0	RTTY	M/V THEODOR STORM	YSDP	2255	SITOR-A: Wkg WLO	Gerstner-FL
14441.5	USB	USCGC SWEET GUM	NRGW	2330	USCG. Phone patch attempts. Deployed for 2-3 months to repair navigational aids in PR, US Virgin Is., etc.	Gordon-CT
14441.5	USB	USNS PAWCATUCK	NNOCM2	0130	USN MARS. Cig "any stateside MARS station."	Gordon-CT
14441.5	USB	USS ABRAHAM LINCOLN	NNONAL	2350	USN MARS. Testing. New NIMITZ-class nuclear attack aircraft carrier, still uncommissioned but on sea trials	Gordon-CT
14441.5	USB	USS BIDDLE	NNNONXW	2355	USN MARS. Cig NNONAV	Gordon-CT
14441.5	USB	USS MEYERKORD	NNNONZU	2200	USN MARS. Cig "any No. Catafornia MARS station" re earthquake	Gordon-CT
14441.5	USB	USS NEW JERSEY	NNNOCNH	2000	USN MARS. Wkg NNONUW	Gordon-CT
14441.5	USB	USS ROURK	NNNOCQA	0130	USN MARS. Wkg NNONRJ w/priority phone patch t/c following earthquake in SF, ROURK's homeport	Gordon-CT
14463.0	USB	USCGC POLAR STERN	NNNONZX	0152	USCG MARS. Phone patch t/c	Bronowicz-NJ
14463.0	USB	USS CONSERVER	NNNOCW1	0118	USN MARS. Phone patch t/c	Bronowicz-NJ
14467.0	USB	USS SEMMIES	NNNOCUL	0040	USN MARS. Wkg NNNOZPI	Gordon-CT
14470.0	USB	USS FORRESTAL	NNNOC0Z	0205	USN MARS. Wkg NNNOZPI	Bronowicz-NJ
14484.0	USB	USS OGDEN	NNNOCPD	0445	USN MARS. Phone patch t/c from Alaskan waters	Bronowicz-NJ
16084.0	CW	REGAL MASTER	LANK2	0305	Wkg NIN. Position 37N 177W	Jones-TX
16173.0	USB	USS KLAKRING	NNNOCBU	0145	USN MARS. Wkg NNNOXPG. New callign	Gordon-CT
16463.1	USB	ALPINE FINN	C6DN9	1750	Wkg GKT62	O'Connor-NH
16463.1	USB	AMERICAN VIKING	WYX2824	1715	Phone patch t/c thru KMI	O'Connor-NH
16463.1	USB	CLYDEBANK	6THZ	1827	Wkg GKT62	O'Connor-NH
16463.1	USB	EBRO	6ZCQ	1653	Wkg GKT62	O'Connor-NH
16463.1	USB	ESSO ATLANTIC	V5B18	1703	Wkg GKT62	O'Connor-NH
16463.1	USB	HMS SHEFFIELD	6DKF	1946	Wkg GKT62	O'Connor-NH
16463.1	USB	HMY BRITANNIA	6QXC	1739	Wkg GKT62	O'Connor-NH
16463.1	USB	JAHRE PRINCESS	ELFG4	1931	Wkg GKT62	O'Connor-NH
16463.1	USB	JARAFAC 27	HP4625	1837	Wkg GKT62	O'Connor-NH
16463.1	USB	OMI HUDSON	KNJL	1725	Wkg KMI	O'Connor-NH
16463.1	USB	STOLT SPIRIT	SLJX	1857	Wkg GKT62	O'Connor-NH
16463.1	USB	TELL ME WHY II	HKM169	1938	Wkg GKT62 [ why not? ...ed ]	O'Connor-NH
16587.1	USB	SEABULK CHALLENGER	KRPD	2050	Wkg KHT w/phone patch t/c	Gerstner-FL
16661.0	RTTY	M/V APILOTIS	SWBT	1759	SITOR-A: Wkg Portlthead	Gerstner-FL
16665.5	RTTY	IVER SOVEREIGN	ELAD6	1556	SITOR-A: Tfc to ???	Gerstner-FL
16666.0	RTTY	MV IDEAL PROGRESS	EEFE5	1540	SITOR-A: Tfc to ???	Gerstner-FL
16667.5	RTTY	METTE MAERSK	OXKT	2006	SITOR-A: Wkg WLO	Gerstner-FL
16670.0	RTTY	MV EURO FLORIDA	9VVI	1634	SITOR-A: Wkg WCC	Gerstner-FL
16670.5	RTTY	M.V. ATLAS	P3AC3	1812	SITOR-A: Wkg WCC	Gerstner-FL
16670.5	RTTY	TASHMAN STAR	7KVV	1755	SITOR-A: Wkg WCC	Gerstner-FL
16790.0	CW	ATLANTIC DREAM	3FYK2	2023	Wkg NIN	Jones-TX
16800.0	CW	MIING WINTER	BLHU	0249	Wkg KFS	Jones-TX
16827.0	CW	GOLDEN GRAMPUS	BKIF	1835	Wkg KPH. Position 11N 94W	Jones-TX
16844.0	CW	CHITOSE MARU NO. 58	7LAA	0239	Wkg KPH. Nearing Honolulu	Jones-TX
20936.0	USB	USS CANOPUS	NNNOCBV	1615	USN MARS. Operating in Emergency Communications Exercise	Gordon-CT
22202.5	RTTY	ZIM LIVORNO	P2MT2	1939	SITOR-A: Wkg WCC	Gerstner-FL
22219.5	RTTY	ELEO MAERSK	OYQJ	2055	SITOR-A: Wkg Berne	Gerstner-FL
22250.0	CW	LAKAMBANI	DULK	1907	Wkg NMO. Position 16N 100W	Jones-TX
22251.0	CW	TINAWRA	DUVQ	0233	Wkg JCT. Position 03N 145E	Jones-TX
22254.0	CW	APOLLO PEAK	3FOC	2145	Wkg NIN. Position 38N 138W	Jones-TX
22254.0	CW	CAPRICORNIA	ZKWO	2310	Wkg ZLB	Jones-TX

22255.0	CW	FAR EAST TRADER	3EW06	2055	Wkg KFS	Jones-TX
22257.0	CW	RIXTA ZELDENDORFF	VPGA	0042	Wkg NMO. Position 40N 173E	Jones-TX
22258.0	CW	DAOSHING	BKFK	0249	Wkg JOR	Jones-TX
22260.0	CW	WESTWOOD CLEO	C6CJ5	0038	Wkg NMO 47N 148W	Jones-TX
22264.0	CW	CROWN TRADER	DURB	0229	Wkg JCS	Jones-TX
22269.0	CW	FONTANA	3ETT6	2307	Wkg JCU. QTH Panama Canal	Jones-TX
22271.0	CW	TAIO FRONTIER	3EZF5	2311	Wkg NMO. Position 53N 152W	Jones-TX
22279.0	CW	SILVER FOX	3EEI5	0250	Wkg JOR. Position 06S 157W	Jones-TX
22280.0	CW	KARLOVY VARY	OL6W	2147	Wkg NMO. Position 27S 139W	Jones-TX
22282.0	CW	BUFFALO	DZBX	0200	Wkg KFS	Jones-TX
22285.0	CW	GOLDEN ENTERPRISE	HBDR	0004	Wkg JCU. Msgs for Toky & Singapore firms	Jones-TX
22286.0	CW	CENTURY HIGHWAY NO. 3	BUMP	0027	Wkg NMO. Position 34N 118W	Jones-TX
22286.0	CW	NIMROD	SXAK	0205	Wkg XSG	Jones-TX
22288.0	CW	WENZHOU HAI	BOXQ	0025	Wkg KPH	Jones-TX
22293.0	CW	RIMBA KEMPAS	9MTW	0219	Wkg 9MG	Jones-TX
22294.0	CW	RIO MADEIRA	3EAQ6	0156	Wkg NRV. Position 46N 170E	Jones-TX
22299.0	CW	BLUE TAURUS	HOQF	0031	Wkg JCT	Jones-TX
22299.0	CW	SOUTHERN GARLAND	3EJM7	0244	Wkg JOR	Jones-TX
22301.0	CW	BRAVA	DUYR	0143	Wkg NMO. Position 39N 174W	Jones-TX
22302.0	CW	OCEAN GARNET	DUT6	0249	Wkg JOR	Jones-TX
22304.0	CW	SUNNY SPANKER	H3KK	0258	Wkg JCT	Jones-TX
22306.0	CW	HYUNDAI NO. 5	D7YM	1913	Wkg KFS	Jones-TX
22307.0	CW	IONIAN SAILOR	3EKL7	0158	Wkg JCT	Jones-TX
22307.0	CW	OCEAN CHEER	3EY03	2226	Wkg JCS	Jones-TX

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Thanks to all for another great year! Best holiday wishes to all and see 'ya in 1990!

73 DE

*Paul*

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