

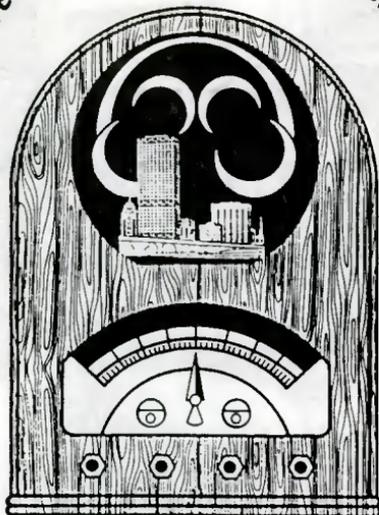
FRENDX



MARCH 1985

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HEADQUARTERS REPORT

NORTH AMERICAN SHORT WAVE ASSOCIATION

46 WILDFLOWER ROAD, LEVITTOWN, PA. 19057

FRENEX is the monthly publication of the North American Shortwave Association. All items contained herein with the exception of BPC WMS information may be copied by other bulletins providing proper credit is given to NASWA/FRENEX, the column editor, and original contributor. Target mailing date for FRENEX is the Friday before the first Saturday of the month. Contributions to the Log Report may be sent to the Distributing Editor whose address appears on the back cover.

THE COVERS

This month's cover features Mr. Hiroshi Shoiguchi and Miss Yuka Nukina of the English edition of Radio Japan DX Corner. Last month's cover was the commemorative cover of RAI's magazine, "This is the Italian Radio-TV Calling From Rome."

EDITORS WANTED

FRENEX is looking for one or two "SWL-types" to edit possible future columns of SWL information. A typewriter and typing skills are not required for this kind of column, but it is necessary that you write legibly, have basic writing skills, and be interested in the SWL area of the radio hobby. Those interested may write to NASWA, 45 Wildflower Road, Levittown, PA 19057 for more information.

BULLETIN FOR SONY USERS

Douglas Hopkins, C.D., would like to inform NASWA members that he has formed a new world-wide group of SWL-DXers who use the Sony ICF-6800-W. Correspondence should be directed to Doug at Suite 1012, 1360 York Mills Road, Don Mills, Ontario, Canada M3A 2A2.

PRICE OF "DARK PATH CALENDARS" DROPS

Jeffrey D. O'Donnell of Steel City Software writes that the price of the "Dark Path Calendars" mentioned in the last FRENEX has been reduced as follows. The \$21.50 packages are now \$16.50 and the Whole World Package now sells for \$49.50. All other prices remain the same. For more information write to 9065 Oak Street, Pittsburgh, PA 15239.

INDOOR AND WINDOW ANTENNA BOOK

E.M. Noll announces that the third book of his antenna series, "25 Simple Indoor and Window Aerials," is available for \$5.00 first class postpaid. Ed's address is Box 75, Chalfont, PA 18914. If you're in one of those "Landlord-locked" positions, this might help.

NO COLLECT CALLS ON THESE ADS, PLEASE.

FOR SALE: Bargain priced, hot performing ICOM ICR-70 in perfect condition. Price \$400.00, negotiable. Larry Albert, P.O. Box 83, Chestnut Hill, MA 02167. Phone (617) 254-6398.

WANTED: "Ham Antenna Construction Projects" by J.A. Stanley and published by Howard W. Sams. Quote price delivered. John D. Tuchscherer, 630 Winnebago Heights, Neenah, WI 54956.

FOR SALE: Realistic DX-302 with manuals, \$160.00. Realistic DX-150A with manuals, \$75.00. Hammarlund HQ-100A with manuals, \$120.00. Grundig 2420, \$45.00. RME 10-15-20-40-80 meter receiver antenna pre-amplifier (use only with tube rigs) with instructions and schematic, \$35.00. All prices include shipping. Money Order or Cashiers Check only, please. Abe Lewkowicz, 13 Blanchard Road, Apt. #1, South Weymouth, MA 02190. Phone (617) 331-5500 after 2300 GMT.



RADIO ZINICA
Bluefields, Nicaragua

by Ray Niekamp, 5647 Pillsbury Ave. S., Minneapolis, MN 55419

SWLs scanning the 49-meter band during North American evenings can usually dig out a Spanish-language station just up from Colombia's Voz del Llano. More likely than not, this other Latin is Nicaragua's "other" shortwave station, Radio Zinica.

Located in Bluefields, a town of 25,000 on Nicaragua's Atlantic coast, the station serves a potential audience cut off from metro Managua both by distance (400 km.) and culture. The area has a wide variety of ethnic groups, speaking several languages. It is remote enough that there are few paved roads, and most contact between towns and villages is done by water travel on the area's lakes, rivers and backwaters of the Caribbean Sea. Because of these considerations, the Nicaraguan government has decided to give Radio Zinica a special role in communicating the policies of the Sandinista junta. The station is the only one on the coast, and is called a "state" station.

Radio Zinica is on 6120 kHz variable. Sometimes it operates slightly higher. The station is on the air from 5:00 a.m.-11:00 p.m. local time, or 1100-0500 GMT. Its transmitter is a 2000 watt ELCOR-BT-2C. According to its director, Radio Zinica also has a medium wave outlet, also of 2000 watts, but I have seen no listing of it in recent issues of the WRTH.

The unusual name of the station was given to honor a Sandinista hero. The name was changed from its pre-revolutionary Radio Atlantico to commemorate the death of Carlos Fonseca, one of the original leaders of the Sandinista revolution. Fonseca was killed while fighting the Somoza Guard in the mountains of the Atlantic coast near a little community called Zinica.

Bluefields is the seat of the Department of Zelaya Sur, in Nicaragua's "Special Zone II." The station's mission is to present a variety of programming to the people of the area. It broadcasts in both Spanish and English, as well as Miskito. There are religious programs for both Roman Catholics and Moravians (Protestants), and programs that allow the local farmers to send personal messages to family and friends.

The station verifies with a two-page letter in Spanish, which goes into even greater detail about its operations. Although the verie is no data, it assures the BWL that the station heard was Zinica. It may take more than one attempt to get the verie, which is signed by Arturo J. Valdez R., Director. The address is; Radio Zinica, Apartado Postal #25, Bluefields, Nicaragua. And the verie will include a request for a donation to keep the station going in the face of "constant aggressions of North American imperialism."

BLUEFIELDS, NICARAGUA — TELEFONOS: 082-481

Verifying Tristan: Fact or Fiction

Some time ago, you may have read about my reception of Tristan Da Cunha here in the pages of *Friendx*. Sine that fateful day of receiving the impossible of improbable shortwave stations, I've been somewhat silent DXing-wise. Oh sure, I've logged a few Bolivians and a couple flea-powered Indo's since then, but no real DX. My efforts have been centered mainly on QSLing that 40 watt station on the tiny South Atlantic island. So far I've sent 31 reports with many dollars and other enticing "goodies". To put it bluntly, I've used every bribery technique imaginable, with no results.

One day while sitting in front of the RX, listening to Glenn on "World of Radio", a thought occurred to me. Maybe my elitest reception reports are scarring the verie signer. Why not go in the opposite direction. Instead of sending everything (the kitchen sink included), send nothing but the report itself. It just might work. I took it even one step further. I went up to my sons bedroom, stole a sheet of his school notebook paper, and proceeded to the shack. I then pulled out my good-luck RRI Surakarta fountain pen, and started handwriting the report. While writting the report, I wondered if this unorthodox technique would really work. I tried everything, and nothing worked yet. At least it was worth a try.

Weeks went by which seemed like years, and no reply. I was about to put Tristan on my black list along with Botswana and a few others when one day, nearly 8 months later, the card came. It worked, the stupid technique worked! Everyone in the Post Office looked at me rather strangely as I leaped and shouted for joy. No matter, I finally verified Tristan!! Or had I??? Upon checking out the back of the card, I found nothing. Shock enveloped my whole body. There was usual place where the time, date, and frequency could be typed or written in, but there was nothing there. A totally blank card! This just couldn't have happened, but it did. Even though the card was addressed to me, it did not confirm anything, let alone my reception. Yeah, I could write the details in myself and pass it off in the DX hobby as proof of reception. Naw, even if everyone believed me, I couldn't live with myself. The guilt would be too much. What a disappointment. So close, and yet so far.

I walked home, plopped myself down at the typewriter, and typed up another report. Maybe this time, with a little more begging, they'll fill out a card for me. Hopefully a Bhutan logging would pull me out of this depression. In any event

"The quest for Tristan goes on!"

Note: The actual Tristan logging was indeed on 3,290 khz, definately not Belize. My LCD's read to the nearest 10 hertz.

Signed,

Tristan Tom

(Next Nibi Nibi)

AWARDS - *Make Those QSLs Count* by Gerry Bishop

The NASWA Awards Program is an excellent opportunity to measure a DX'ers progress. But QSL's can be expensive to get and the sheer number of different verifications apparently necessary to get some of the awards can be discouraging to some. However, it is possible to reap a maximum benefit from most QSL's, thereby making each one count towards two, three or four different awards.

AWARDS (cont'd)

There are several ways to gain the most for the least expense. These are 1) go for the lowest possible frequency, 2) emphasize QSLing the religious owned and/or operated stations, 3) concentrate on just a few awards at a time, and 4) go for the lowest power.

A good example of a station that really gets the most for the QSL is BSF, Taiwan. By verifying this station on 5000kHz, the DXer has 1) an Asian country 2) a tropical country 3) a Chinese regional 4) a time station and 5) QRP. One QSL, but a listing in 5 different award categories. By contrast, verifying the Voice of Free China on, say, 19 meters only gets you two of the above categories; an Asian country and Chinese regional. Quite a difference.

Another QSL that can really add to the various categories is HCJB on 3220kHz. It's Ecclesiastic, South American, Ecuadorian and, by virtue of the frequency, tropical too.

Some awards can be grouped together, making the best use of a DXer's resources. A listener pursuing the Asian Continental DXer award may find it beneficial to work the Indonesian awards at the same time. Similarly, the Papua-New Guinea awards may be done at the same time one is working on a DXer de Pacifica award. Several more such combinations are possible, too.

In those nations where the Tropical Awards do not apply, the listener may opt for a "quick kill" approach. The various VOA sites in Europe and the Mediterranean can be QSL'd for a report to Washington, counting several new stations and countries as well as towards the VOA Award. This may be made even more effective by including a few reports on other VOA sites at the same time.

Granted, there are some awards that require the listener to go for stations with a country which will ultimately count only once. Canada and Nigeria are two; there are others as well. Yet here, in many cases, a low power station may make the difference on a QRP award.

With one exception, the ORTF DXer Award, all NASWA awards are possible, but not easy. There is a sense of satisfaction in QSLing that 100th country, that 8th Canadian, or that 24th Arab country. It marks a milestone.

Any questions about the NASWA Awards Program should be directed to the Awards Chairman, John "Kap" Kapinos, whose address appears elsewhere in PRENDX (Ed's note; See the Distributing Editor's page in the back). This article was prepared with the cooperation of the Awards Chairman.

Comments and criticisms may be sent to:

Gerry Bishop, PSCI Box 2568, APO, San Francisco, CA 96286



The latest edition of the World-Radio TV Handbook has arrived (my copy arrived 2/15). I can't imagine any DXer without a current, up-to-date copy at hand. And, as in the past, Larry Magne digs deep with his in-depth receiver reviews.

Despite the hefty, ever-growing price tag, (now at \$19.50 list), you really should invest in a copy because you'll use it throughout the year. Contact the folks at Gilfer, P.O. Box 239, 52 Park Avenue, Park Ridge, NJ 07656. A call to (201) 391-7887 should bring you a price.



Computer Corner

Editor: Bill Cole / 107 Charles Street / N. Cape May, NJ 08204

This month, CC features its first APPLE program listing thanks to Albert Garrou of Cary NC. DARKNESS PATTERNS in APPLESOFT computerizes the Darkness Patterns Charts found on pages 108 to 119 of DXing According To NASWA.

Albert has also converted Joe Polchlopek's SWL Locator to Applesoft and incorporated Darkness Patterns into SWL Locator. This adaptation has also been made available to CC and will be featured in the future.

If you don't want to wait for SWL Locator in Applesoft, you can get it along with Darkness Patterns on a 5.25 in. disk from: Albert Garrou, 708 Grimstead Circle, Cary, NC 27511. Please include a disk and \$2 U.S. to cover return postage and handling.

I've looked Darkness patterns over and believe it should run on a C-64 with a minimum of conversion. I also believe that Albert has a Typo in line 255. I think that 255 should instruct you to enter EAST longitude a negative number, not WEST as written.

DARKNESS PATTERNS

```
5 REM *****
10 REM DARKNESS PATTERNS
20 REM *****
30 REM
40 REM MF() = MONTH DEFLECTION FACTOR
50 REM LF() = LATITUDE DEFL. FACTOR
60 REM RT = RECEIVER LATITUDE
70 REM RO = RECEIVER LONGITUDE
80 REM TT = TRANS. LATITUDE
82 REM TL = TRANS. LONGITUDE
84 REM SR = SUNRISE
86 REM SS = SUNSET
90 REM *****

100 DIM MF(12),LF(7)
110 DATA -2,-1,0,1,2,3,2,1,0,-1,-2,-3
120 DATA 0,.3,-.7,1,1.5,2,3.5
200 FOR I = 1 TO 12: READ MF(I): NEXT I
205 REM
210 FOR I = 1 TO 7: READ LF(I): NEXT I
220 REM RECEIVER LOCATION

230 RL = 30:RO = - 80
232 REM RL IS RECEIVER LATITUDE
234 REM RO IS RECEIVER LONGITUDE
236 REM CHANGE TO FIT YOUR LOCATION
238 REM
240 REM INPUT DATA

250 HOME
254 PRINT : PRINT : PRINT "* FOR LATITUDE, ENTER 30 SOUTH AS -30 *"
255 PRINT : PRINT : PRINT "* FOR LONGITUDE, ENTER 80 WEST AS -80 *"
256 PRINT : PRINT : PRINT "* NORTH AND WEST VALUES ARE POSITIVE *"
258 PRINT : PRINT
260 INPUT "ENTER TRANSMITTER LATITUDE --> ";TT
265 IF TT > 60 THEN TT = 60
266 IF TT < - 60 THEN TT = - 60
270 INPUT "ENTER TRANSMITTER LONGITUDE--> ";TL
280 INPUT "ENTER CURRENT MONTH --> ";MOS
290 GOTO 1000
```

```

300 INPUT "ENTER LOCAL TIME (24 HOUR) --> ";TIME
305 REM
310 REM LOCAL TIME CORRECTION TO GMT

320 ST = 5
330 TIME = INT (TIME / 100 + .7) + ST
340 REM
490 REM CALCULATE LOCAL DATA

500 T = RL:LO = RD:N = 1: GOSUB 2000: GOSUB 3000
510 PRINT "-----"
520 REM
530 REM DETERMINE DARKNESS PATH

550 TIME = TIME - INT (LO / 15 + .34) - ST
600 T = TT:LO = TL:N = 2: GOSUB 2000: GOSUB 3000
610 PRINT "TRANSMITTER LOCATION IS ";X$(2)
630 IF X$(1) < > "IN DAYLIGHT" AND X$(2) < > "IN DAYLIGHT" THEN PRINT
: PRINT " DARKNESS PATH "
640 REM
700 REM RUN AGAIN?

710 PRINT
720 INPUT " RUN AGAIN (Y/N)? ";O$
730 IF O$ = "Y" THEN 250
900 END
999 REM
1000 REM FIND MONTH DATA

1010 MO$ = LEFT$(MO$,3)
1020 IF MO$ = "JAN" THEN M = 1: GOTO 1160
1030 IF MO$ = "FEB" THEN M = 2: GOTO 1160
1040 IF MO$ = "MAR" THEN M = 3: GOTO 1160
1050 IF MO$ = "APR" THEN M = 4: GOTO 1160
1060 IF MO$ = "MAY" THEN M = 5: GOTO 1160
1070 IF MO$ = "JUN" THEN M = 6: GOTO 1160
1080 IF MO$ = "JUL" THEN M = 7: GOTO 1160
1090 IF MO$ = "AUG" THEN M = 8: GOTO 1160
1100 IF MO$ = "SEP" THEN M = 9: GOTO 1160
1110 IF MO$ = "OCT" THEN M = 10: GOTO 1160
1120 IF MO$ = "NOV" THEN M = 11: GOTO 1160
1130 IF MO$ = "DEC" THEN M = 12: GOTO 1160
1140 GOTO 280
1160 GOTO 300
1990 REM
1999 REM FIND SUNRISE,SUNSET

2000 IF T > = 0 THEN L = INT (T / 10) + 1
2010 IF T < 0 THEN L = INT (T / 10) - 1
2020 L1 = ABS (L)
2030 SR = INT (6 - LO / 15 - LF(L1) * MF(M) * L / (L1 * 3) + .34)
2040 SS = INT (18 - LO / 15 + LF(L1) * MF(M) * L / (L1 * 3) + .34)
2050 RETURN
2999 REM
3000 REM TEST FOR DARKNESS PATTERN

3010 IF SR > TIME OR SS < TIME THEN X$(N) = "IN DARKNESS"
3020 IF SR = TIME THEN X$(N) = "AT DAWN"
3030 IF SS = TIME THEN X$(N) = "AT DUSK"
3040 IF TIME > SR AND TIME < SS THEN X$(N) = "IN DAYLIGHT"
3050 RETURN
4000 REM *****
4010 REM DARKNESS PATTERNS
4020 REM *****

```

I'm determined to keep the column under 2 pages this month. Ye Olde SWC Ed has been extremely good about run-overs and last month gave me a lot of extra space. I thank Herk for that.
NEXT MONTH: Scott McClellan has provided ANTCOMP-64 a program to design dipole and quarter wave antennas. Also ruminations on the BBS as a method of communication.

CONTACT

Editor: Andy Robins, 223 North Shore Drive, Apt. 211-S, South Haven, Michigan 49090

As you may know, efforts continue to convince corrections authorities in Pennsylvania that shortwave receivers pose no threat to prison security. These prison officials, who are obviously not radio enthusiasts, have banned SW receivers on the theory that they could intercept "police" signals. Scanners yes, but SW radios? There has been some progress in convincing key state lawmakers in Pennsylvania that this arbitrary ban should be lifted, but authorities at the Corrections Commission stubbornly cling to the obsolete rule.

According to the December, 1984, edition of THE SHORTWAVE GUIDE, the Chairman of the House Select Subcommittee on Corrections, Representative David Sweet, spoke on this issue recently to Corrections Commissioner Glen Jeffes, to no avail. GUIDE editor Lawrence Miller called Jeffes on the phone to protest the continued prohibition of SW receivers, radios that could offer inmates a positive and educational hobby. Miller wrote this about the conversation:

"His responses, quite frankly, made my hair stand on end. When I asked him why AM-FM radios were allowed but not AM-FM-SW's, he responded, 'Because I said so'. Pressed further, he said that having to log in these radios would be too much paperwork. Finally, unable to take any more, I asked him who else I might talk to to resolve the question. His response: 'There is no next step. I said so and that's it'."

Well, not quite. Appointed officials like Mr. Jeffes serve at the pleasure of elected officials like Representative Sweet and former House Speaker Matthew Ryan. According to the SHORTWAVE GUIDE, Ryan has agreed to take on the fight to allow SW receivers in Pennsylvania state prisons. Letters from shortwave hobbyists, from those who live in Pennsylvania in particular, may speed the day that inmates in that state will be able to enjoy the hobby we take almost for granted. Representative Ryan's address is: 1 South Olive Street, Media, PA 19063. Corrections Subcommittee Chairman Sweet can be reached at Room 601, Main Capitol Building, Harrisburg, PA 17120. And if you would like to express displeasure with Corrections Commissioner Glen R. Jeffes, his address is: Pennsylvania Bureau of Corrections, P.O. Box 598, Camp Hill, PA 17011.

And now, as the Monty Python troupe would say, something completely different: There is a new regional club for shortwave listeners in and around Michigan. If you're interested, write the "Michigan Area Radio Enthusiasts" at 24500 Union, Dearborn, MI 48124.

Richard Dickson of Goshen, Ohio, writes: "I would like to see someone do an article on tropical band broadcasters. Why are there all these low-powered stations on the 60, 75, 90, and 120 meter bands? Who do they broadcast to except DXers? For example, do a lot of Bolivians and Peruvians own shortwave radios?"

Most of the stations Richard mentions, especially those in Latin America, are commercial enterprises. It's safe to assume the owners see some value in using SW transmitters. In many cases, the shortwave outlet is intended to serve listeners in the sparsely populated hinterland. In other cases, station owners are forced to use SW because the MW band is too packed with stations already on the air. VHF-FM radio has not made much of a dent in the developing world outside of urban areas. In some really poor areas there may be only one or two radios in a village and residents will gather around at certain times of the day to hear the latest news and entertainment. Americans acted the same way when TV was still a novelty. These stations use the tropical bands because they are best-suited propagationally for medium-distance broadcasting. Most of these smaller stations do not intend to reach listeners outside their own countries. Travelling DXers report, however, that some Latin American stations use foreign reception reports as sales tools when calling on local merchants.

DXing is also the concern of Larry J. Hiatt of Arvada, Colorado, although in a different way. Larry says he's generally been satisfied since joining NASWA about nine months ago, but, "There is one thing I find rather bothersome. That being that unless you're a 'Hardcore DXer,' constantly after exotic hard-to-get DX, you are

regarded as a second-class member. I sincerely hope there are other members like myself who use the shortwave band as a means of acquiring a fantastic social studies education. I might spend a whole evening with Radio Moscow, the BBC, or Radio Nederland. Nowhere else can you get such great insight into history, current events, culture, news, and opinion--all first-hand."

I appreciate Larry's concern, but I disagree that NASWA treats non-DXers as "second-class" members. NASWA welcomes anyone interested in the Shortwave listening hobby, regardless of how they express that interest. Some like to chase "rare DX" and don't often listen to the larger stations. Others appreciate the many programs offered by international broadcasters and rare chase DX. There is room in the hobby, and in NASWA, for both. Period.

We also hear this time from Steve Jackson in Monroeville, Indiana: "I have just finished reading the CONTACT letter from John Bellantoni in the December issue of FRENEX, and I feel I must take exception in regard to his comments about a column for novices being out of place. First, just where do we draw the line between novice and experienced listener? Having been a SWL since 1959, I feel that I am experienced as a listener and, during all those years, I have been just that: a listener. However, in the past few months I decided to become more active in our hobby by joining two clubs, reception reporting, contributing to club bulletins, etc. In this facet of the hobby I feel I'm very much a novice.

"John states in his letter, 'The more you know, the more you can learn'. This is true and leads to the conclusion that we can never know enough. As we learn we attain new levels of experience. Since we desire to learn more we must start as a novice at a new level of learning. In a way, we are all at some stage of apprenticeship, be it basic listening, QSLing, QRP DXing, or tuning a new super-receiver.

"Just as CONTACT is a sounding board for all facets of SWing, so should there be a column of tips and techniques for novices which, in a sense, we all are. Such a beginner's column could be supported by suggestions, experiences, explanations, mistakes, or whatever members think might help a fellow listener attain a higher level of experience."

And finally, this from Bob McCurdy in Camp Hill, Pennsylvania: "Sometimes it's hell to be over 50. Well, almost 53 in my case. You doubt yourself, wondering if you can still make it in a tough world. You reach out for a little help from your friends, but being younger they don't care about your problems. 'Poor Bob,' the other SWLs murmur as they tune up their flashy DX-1000s. 'He's getting a little dated--still plugging away with his old RF-2900 and thinking he can still get anywhere with it'.

"Dated am I? I'm not dated enough! I've been sidling up to this perfect little Latin station and she won't even give me the time of day, which happens to be about 5 a.m. And no one will help me with my wooing. Only Ron Trotto seems to recognize that my lovely exists, and he apparently doesn't care. As of the January issue of FRENEX he hadn't followed up his December report on Unidentified. Maybe you people just don't want the Latina to come between my wife and me, but don't get me wrong: I love the frau too. She used to be a perfect 10, and is still a respectable 88, though her modulation sometimes gets a bit harsh. She tries to be understanding, though. 'If you must leave my side to be with that hussy in the middle of the night,' she muttered, 'at least do it quietly. Be discreet. Use your headphones.' But dear wifey doesn't realize that my little escapades aren't actually a pleasure. Spending dark hour after dark hour tied down to even such an enticement as my Latina can be frustrating when the mysterious lady is sending out wavering signals.

"Still, this Latin lovely with the faint, fuzzy voice continues to fascinate me. Her dimensions are a far out 3-6-0-0, for instance. And sometimes I can even grasp a word or two she's saying, though I don't know where she's coming from. I thought I heard her call herself Venceremos this morning, and I remembered that in December Mitch Sams reported hearing someone with the same name sounding off around the corner at 3603. Could this be my love? Or is Venceremos just an alias--a defiant challenge from a feminist? 'Venceremos. We shall overcome.'

"Maybe she will, but will I? Help me or I perish without ever having identified, let alone understood, my elusive love.

"And wife, please forgive me. Remember that I'm almost 53."

And that, sadly, ends the last CONTACT column under my editorship. Personal and family considerations have forced me to relinquish a duty that I regarded more as a pleasure. I would like to thank everyone who took the time to write, and to those who were kind enough to direct praise in my unworthy direction. I hope that John will be able to find a new editor to carry on with the column. But, if not, it was a lot of fun while it lasted.



Editor: James G. Herkimer, 3255 South Drive, Caledonia, NY 14423

Technical Reference Books

This month's column focuses on compiling a library of technically-oriented reference books. Although there are many excellent electronics reference books that are intended for use by engineers and technicians, all references listed here pertain specifically to hobby radio. Many of the references are intended for ham radio operators, but much of the information, specifically the material on receivers and antennas, is of great interest to SWL's and DXer's. Some of these may be available at your local public library or ham radio club.

* All ARRL publications are available from the American Radio Relay League, 225 Main Street, Newington, CT 06111.

Radio Amateur's Handbook, pub: ARRL, 1985, soft cover \$ 15.00. The standard reference book for U.S. radio amateurs, covers virtually every aspect of the amateur radio hobby.

RSGB Radio Communications Handbook, 5th edition, pub: Radio Society of Great Britain, available from the ARRL for \$ 22.00. The British counterpart to the ARRL Handbook. Although somewhat expensive, the receiver chapter alone is well worth the price of the book. There are some differences in the symbols used for schematic diagrams.

Understanding Amateur Radio, pub: ARRL, \$ 5.00. Basic concepts are covered in more detail than provided in the comprehensive Handbook. An excellent "first" book for radio and electronics theory.

80 Meter DXing, by John Devoldere, ON4UN, pub: Communications Technology, Inc., Greenville, NH 03048, \$ 4.50. Covers propagation, antennas, and equipment for serious 80 meter ham radio DXing. Much information is applicable to tropical band DXing.

Shortwave Propagation Handbook, Jacobs and Cohen; available from Gilfer Shortwave, P.O. Box 239, Park Ridge, NJ 07656, \$ 8.95. Explains various propagation mechanisms, and how to read and interpret propagation forecasts.

ARRL Antenna Book, pub: ARRL, \$ 8.00 soft cover; theory and construction of antennas for all amateur radio frequency bands. Information is also provided for building various types of matching devices.

73 Dipole and Longwire Antennas, by Edward M. Noll, pub: Howard W. Sams and Co., Inc., available from Century Print Shop, 6059 Essex St., Riverside, CA 92504. Formulas are provided for calculating lengths for a number of interesting configurations. The best book I've found on very long antennas that provide gain.

Solid State Design for the Radio Amateur, Hayward and DeMaw, pub: ARRL, \$ 7.00. Obviously, the title speaks for itself. Contains many useful circuits.

A DXer's Technical Guide, pub: International Radio Club of America, available from: the IRCA Goodie Factory, 1017 West Manhattan Drive, Tempe, AZ 85282. A QRP club publication, but contains considerable information of interest to SWLs. Noteworthy articles on receiver performance, also has reviews of receivers and accessories. Lots of practical, "How-to" information.

- - - other interesting books are available from:

Ham Radio's Bookstore, Greenville, NH 03048

Century Print Shop, 6059 Essex, Riverside, CA 92504

Reprints of previous articles appearing in the International Radio Club's "DX Monitor" and National Radio Club's "DX News" monthly bulletins contain some very useful information on receiver modification, equipment reviews, matching devices, and propagation. Although mainly oriented to BCB DXing, much of the information is not likely to be found elsewhere. Lists of available reprints are available from:

IRCA Goodie Factory, 1017 West Manhattan Drive, Tempe, AZ 85282.

NRC Publications Center, P.O. Box 164, Mansville, NY 13661.

In addition to compiling a library of technical reference books, it's helpful to have catalogs of electronics parts suppliers. The demise of local dealers has created a need for mail order electronics parts suppliers catering to the home builder.

Mouser Electronics, 11433 Woodside Avenue, Santee, CA 92071

Circuit Specialists, P.O. Box 3047, Scottsdale, AZ 85257

KCS Electronics Corporation, 1043 North Stadium Drive, Tempe, AZ 85281

ALL Electronics Corporation, 905 S. Vermont Avenue, P.O. Box 20406, Los Angeles, CA, 90006.

Digi-Key Corporation, P.O. Box 677, Thief River Falls, MN 56701

ETCO Electronics, North Country Shopping Plaza, Plattsburgh, NY 12901

Fair Radio Sales, Box 1105, Lima, Ohio, 45802.

RadioKit Box 411, Greenville, NH 03048

International Radio, Inc., 1532 SE Village Green Drive, Port Lucie, FL 33452 was mentioned last month as a manufacturer of an 8 pole crystal filter for the ICOM R70 and 71A receivers. In addition, they also have 8 pole filters available for the Kenwood R1000 (\$ 129.00) and the R2000 (\$ 139.00). Add \$ 3.00 for shipping and handling. Their phone number is: (305) 335-5545. Both filters have bandwidths of 2.1 kHz at -6 dB.

- - - Gerry Thomas, P.O. Box 2036, Pensacola, FL 32513 has a kit available for the Sony 6500W modification, consisting of a Vernitron VTD-3-I ceramic filter (4 kHz at -6 dB, 10 kHz at -60 dB) a DPDT switch, and RG-174U cable. Price is \$ 25.00. He will install the filter for \$ 35.00. For information, send a SASE to Gerry.

- - - Upon the death of Larry Brookwell, Grove Enterprises, P.O. Box 98, Brasstown, NC 28902 has acquired the remaining stocks of the SW Hobby Equipment Review, published by the International DXers Club of San Diego. Written in plain language, i.e., non-technical terms, the SW Equipment Review series covers receivers and accessories from 1981-1983. Although somewhat dated, readers may find valuable information regarding equipment still widely available. Send all inquiries to Grove Enterprises.

- - - With the arrival of the 1985 World Radio TV Handbook, we have Larry Magne's excellent Equipment Reviews. There will be some new entries into the SW market which were, unfortunately, not available for review. Among these are the long awaited ESKA RX99 FL, the Yaesu FRC 8800, and the Sony ICF-2010, so it looks like an interesting year in store, with hopefully, information available in the not-so-distant future. Stay tuned!

Until next month, 73- Jim

Nationals In The Work Of Transworld Radio

by Marlin Field

National Christians occupy key positions at nearly every level of Trans World Radio's work worldwide. In India, for example, the programming, fundraising, and followup work is directed by a national Christian, Emil Jebasingh. He supervises a staff of 24 Indian workers in Delhi and other cities. They write, edit, and record their own programs in their own studios. They translate, adapt and tape programs that were originally recorded in other languages. They answer the thousands of letters that come to their offices each year. They travel all over India, visiting and ministering to the listeners who send in questions and comments in response to their broadcasts. They conduct fundraising efforts among Indian Christians that help to underwrite the cost of their work.

Eddie Chen, who works in TWR's Guam studio, is another example of TWR's commitment to program development by national Christians. He prepares a weekly program in the Mandarin language, spoken by 700 million people in China and other Far Eastern countries. He translates the basic program materials from the English "Red's Bible Class" series, and then adapts the content so it will be more easily grasped by his Chinese listeners. The new program is then taped and broadcast from TWR's transmitters at Guam.

In Nairobi, Kenya, Stephen Boskye-Yisdom heads TWR's relationships with the local church leaders. A native of Ghana, he studied engineering in Germany. Stephen works with evangelistic churches and other Christian organizations throughout Africa, and helps to train African nationals to use radio as an evangelistic tool. He recently attended a training seminar at TWR's new Intra-core Center in Holland, where he learned valuable new skills he will pass on to the African pastors with whom he works.

TWR's six transmitter locations are well-known to most if not all DXERS. What is not so well-known is that many of the programs they hear are prepared in studios located hundreds or even thousands of miles from the transmitter sites. Santo Domingo, for example, broadcasts programs that are written and recorded in TWR studios

in Bearn, Holland; Barcelona, Spain; Wetzlar, West Germany; London, England; Besusoleil, France; and Oslo, Norway, as well as the studios in Monaco. Many of the programs from Ronsire come from Sao Paulo, Brazil, and Buenos Aires, Argentina. TWR's studio in Kowloon, Hong Kong, records more than fifty programs each month for transmission from Guam.

Most of the program development at these studios is done by national Christians. One of these is John Bettig, who attended the same ^{BAPTIST} church as we did when we lived in Benton Harbor, Mich. He was born in the Ukraine but fled to the West from East Germany in 1946. Today he prepares Gospel broadcasts at TWR's Wetzlar, West Germany studio. His programs are then recorded by the pastors of Russian churches in West Germany, shipped to Monte Carlo, and broadcast to the Soviet Union.

The wisdom of using national Christians to record programs in their native languages is obvious--they have no foreign accent. Also, they can bring to their programs a familiarity with the details of daily life in their homelands that no Western missionary can ever match.

TWR also integrates national workers into the technical aspects of its work. At every studio and transmitter location, nationals work at the turntable, control panel, mixer and transmitter hall.

In the area of finance, TWR encourages national churches and organizations to underwrite as much as possible of their own program development. India's "tin box" collection program is a good example. More than ten thousand small tin offering banks have been distributed among TWR listeners and friends throughout India. Each person promises by faith that he or she will try to fill the box with at least 100 rupees (about \$10) in a year. Such offerings don't underwrite the total cost of TWR's ministry in India, but they do give the Indian Christians a sense of participation in and responsibility for the missionary work of TWR.

National workers are also encouraged to raise as much as possible of their personal support from individuals and churches

in their homelands. Some, however, as in Eastern Europe and the Soviet Union, can't do this. In cases where the nationals don't raise their support, TWR steps in to fill the gap. At the present time, according to Dr. Paul Freed, TWR's president, \$240,000 is needed to underwrite its national workers' ministries. And this need will increase as more new languages and more national workers are added in the future.

Adapted from the November, 1983, issue of Trans World Radio TWR, by Marlin A. Field

Israel Said to Accept Installation Of Voice of America Transmitter

By THOMAS L. FRIEDMAN
Special to The New York Times

JERUSALEM, Feb. 7 — Israel has informed the United States that it will permit the installation of a Voice of America transmitter in Israel to enhance American broadcasts to the Soviet Union, political sources said today.

The decision in principle by the national unity Government of Prime Minister Shimon Peres was conveyed to Washington several weeks ago, the sources said. Nonetheless, Israeli Government officials today declined to comment on the decision for fear of drawing any more attention to the transmitter, which they fear might cause problems for Soviet Jews.

The political sources said technical teams from the United States and Israel would meet soon to work out details of the installation. The V.O.A. is the broadcasting arm of the United States Information Agency.

Israel agreed to installation of the transmitter after repeated requests from the Reagan Administration, which is undertaking a \$1.5 billion program to upgrade the equipment and expand the broadcasting reach of the Government radio service.

The United States wanted the transmitter in Israel so as to cover more listeners in Soviet Central Asia and Afghanistan and help overcome jamming by the Soviet Union and its allies. In recent years the United States reportedly has devoted more attention to upgrading the quality of broadcasts to Soviet Central Asia, where there are frequent reports of anti-Government activity. Soviet troops in Afghanistan would also be able to pick up these broadcasts.

The matter was broached by Washington several months ago, and the Israelis originally stalled in responding

because of the lively debate over the matter inside Israel. Soviet emigrants in Israel expressed the fear that by permitting the transmitter, Israel might invite retaliation against Soviet Jews; left-wing members of Parliament contended there was no reason for Israel to become involved in the superpower "propaganda war."

The daily newspaper Maariv reported today that the American request was discussed in a special meeting two months ago between Prime Minister Peres, Foreign Minister Yitzhak Shamir, Defense Minister Yitzhak Rabin and Communications Minister Amnon Rubenstein, but that no decision was made, mainly to allow some of the publicity to dissipate.

The paper said that although the United States showed "understanding to Israel's considerations," American officials did not hide the fact that they considered it important for Israel to grant the request. President Reagan reportedly hit so strongly about the matter that it wrote personally to Prime Minister Peres.

Most senior Israeli officials believed that ultimately there was no way they could turn the United States down. As Communications Minister Rubenstein put it, referring to the enormous amount of economic assistance the United States gives Israel, "Beggars cannot be choosers."

No Announcement Made

After allowing some of the initial publicity to die down, Mr. Peres and the other ministers apparently decided after a series of meetings to inform Washington of their approval, Maariv reported, but they agreed to issue no announcement.

The United States announced in December that it had signed agreements with Morocco, Sri Lanka, Thai-

land, Costa Rica and Belize with new transmitting sites or for the improvement of older ones.

The Administration said the equipment needed to be upgraded to replace decades-old transmitters and to put the Moscow radio, which purportedly had a more advanced broadcasting network.

Earlier reports from Washington indicated that the Voice of America would probably share a transmitter in Israel with Radio Liberty, a station supported by the United States Government that broadcasts only to the Soviet Union.

This clipping is from our friend, Ed Insinger, taken from the Feb. 8, 1985 New York Times.

Ed adds, "It is not every day that news in some way relating to our hobby makes the front page of the New York Times!"



After a considerable amount of soul-searching, it has become obvious that I no longer can do this column the way I would like. Lack of time, burn-out, as such, and frustration at the somewhat fickle nature of the membership, I've decided to pass this column along to someone else. It really has been enjoyable but I see a steady decline ahead unless fresh blood is injected. With that I would like to say thanks to all of you who have helped and encouraged along the way....you know who you are. As for me, I'll continue to enjoy the hobby (or at least try). Be good and best of 73s,

Heck

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CHARLES BOLLAND
4066 ASTER COURT
LAKE WORTH, FL 33461

A station that is frequently heard throughout North America is Radio Lesotho. Lesotho is located inside the Republic of South Africa, due west of the city of Durban. Durban is situated on the east coast of South Africa. Radio Lesotho broadcasts on a solid frequency of 4800 kHz shortwave and 891 kHz mediumwave. The WRTH lists 3336 kHz as an alternative frequency for Lesotho, but until now, it has not been reported in FRENDX.

Radio Lesotho broadcasts from 0400 UTC to 2100 UTC. The WRTH states that Radio Lesotho closes at 2200 UTC, but reports from Europe and Australia indicate that 2100 UTC is the correct time for signing off the air. Only on one reported occasion, October 1, 1982, when a North American reporter caught signoff at 2202 UTC.

A comprehensive study of the reports submitted to FRENDX shows the 0400 UTC sign on as an excellent time of the day to log Radio Lesotho. Contrary to what may have been a popular belief, Lesotho is not audible here only at certain times during the year, Radio Lesotho has been heard here in North America during every month of the year. Generally, as mentioned 0400 UTC is the best time to catch Lesotho with fade out after 0500 UTC or later during the summer months. From October to December the possibility of hearing Lesotho in the afternoons at 2100 UTC sign off is slight here in North America.

The program format seems to be rather constant in the mornings. The first half hour is in the Sesotho language and consists of the national anthem with commentary and a religious program. On the half hour, at 0430 UTC, the language changes to English with a woman usually doing the announcing. This segment also includes a religious program and often the news from BBC.

In the past, the QSL situation must have been very trying for some reporters judging from the amount of time it has taken to get verifications back from the station. The waiting time has been as much as two years and as little as two months. For the majority of the verifications, follow-up reports have been sent. The reception reports have been in English and have included as many as three IRC's. Verifications have been signed by Mary Mahlmalialo.

I think Radio Lesotho should be an easy catch for anyone with an average antenna system and receiver. Hopefully, with the above information, you will be able to log Lesotho on your next try. Here's hoping the "wave prop" is go to you.



MARCH 1985

Listeners Notebook

GLENN HAUSER, Box 490756, Fort Lauderdale FL 33349

PROPER CREDIT

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AFGHANISTAN R Afghanistan EG at 1900 now on 9665 11805 11960, and unannounced 5905 (Stefan Francke, GDR, SCDX 8/1) Hrd here only on 5905 (SCDX ed.) 17/1, RA hrd in EG at 1900-1930 to Eu on 4740 4450 3965; presumably switching error, as normally hrd on 7320 and 5905 (WBI 24/1) Whilst former 3 fqs normally used for HS via USSR (gh)

ALASKA KNLS now uses 6085 ex-6170 for EG to EAs at 0700-0930; from 3/3 will be 9540 but EG 1730-2000'll remain on 7355 until 3/8 at least (KNLS via SCDX 8/1) Postcard w/KNLS sked rxd 21/1 for M85: 0700-0930 EG 9540, 0930-1200 RS 6025; 1200-1500 CH 6125--these two subject to change elsewhere in 49mb. 1500-1730 RS & 1730-2000 EG both on 7355 (Richard A D'Angelo, Wyoming PA)[more]

ALGERIA [Cf Feb LN-15] 6145 is not currently audible, 7245 is axually on 7246, LMI 9510 on 9509 and 9685 has not been operating for several weeks. It is unclear on the sked when 9640 is using SP or FR and it is unhrd here. 15160 often goes 'walk-about' but is currently stable on 15160 (No#1 Green, UKOGBANI, Jan DSWCI SW News) 1)

AUSTRALIA Lyndhurst SSB feeder currently active on 12290 and 15870 (RA Talkback 27/

BANGLADESH R Bangladesh, Dhaka, DS: 9617 at 0655-0905 & 1055-1130. 4890 at 0430-0800 & 1030-1330. 4880 at 0030-0130, 0255-0505, 1230-1500, 1655-1715. Nx in EG at 0110-0120, 0305-0310, 0705-0710, 1530-1540, 1705-1710 (WBI 24/1) Axually on 4879 at *1230-1310, exactly same fq as Quetta, Pakistan, but Bang much stronger! (Mark Warner, Melbourne Vic, from a tropical bandsurvey covering 22/12-29/1, as are all subsequent items from him, u.o.s.)

BELIZE R Belize, 3285, from 0500 EG/SP nx & NA to 0511*, 30 over S9 on 11/1, best ever hrd; maybe 5 kW, or just unusual condx [Cf Jan LN-15] (Ernie Behr, Kenora Ont)

BOLIVIA R Pfo Doce, 5954, hrd 1000-1100 w/SP & Aymará talk, LAm mx & ads, ments of "Siglo Veinte"; G 31/1. R Santa Cruz, now on 6137.6, from 0940 Aymará, 1000 ID & SP talk, G 31/1, but from 1030 wiped out by R Colonial, Perú, on 6137.8 w/huaynos & IDs past 1130; both equally strong & could be easily confused. R Juan XXIII, tentative, on 4965, from 1000 s/SP anmt & Aymará rel pgn, after 1015 in QRM, 14/1. uID on 5005.6, 1t mx to 1050 f/out, hrd 2/1 only; Rdif Cristal, or Surinam? (Ernie Behr) Perolo [Brazil] says R Cristal has been wandering 5610-5630 (John Tuchscherer, WI via OMDC DX Log 25/1) 5618 apx, tent, 1126+ 3/1, Nueva Radio Cristal, march mx, talk by M at 1135 and fade by 1139. No ID, but going by Perolo's report. Watch out for Ilucán at 1100 around here (ibid.) R Stentor now calling itself R Nueva Stentor, on 6194.4 at *1000-1630* (Tony Jones, Paraguay, RCI SWL Digest 2/2) R Chaco, 3280, has 1 kW at 0945-1400 & 2000-2300; studios at Calle Santa Cruz 1571; mailing addr Casilla 62, Yacuiba; Director Nilo Padilla. R Frontera, Yacuiba, 4805, currently inactive on SW because of xmtr problems. Studios at Calle Santa Cruz 1456; mail to Casilla 24, Yacuiba; Dir. Juan Castillo. R María Auxiliadora, 4975, transmitting from the Salesian College in Mayurina on the outskirts of Montero, about 50 km north of Santa Cruz is on MW 850 only; plans to activate 4975 w/1 kW; completion date for remainder of contruxion not known (Julían Anderson, Vicente Bombardiere and Emilio Pedro Povrzenic, LADX via Jan DSWCI SWN) R Cristal [see above], 5640v, is a new stn, not to be confused with the Cristal reactivated on 5006; hrd 31/10 on 5640 at 1200 &

5/9 on 5627 at 1950. IDs as "Desde el centro minero de Bolívar y hasta el punto exacto en su dial, transmite Radioemisoras Cristal, voz y pensamiento de nuestro pueblo, Oruro, Bolivia" (Rogildo Fontenelle Aragao, IADX via DSWCI SWN) R Nacional de Cochabamba, 5974, carries a DX pgm Suns 2330 via this 1 kW xmtr; contact Bolivia DX Club, c/o Rogildo Fontenelle Aragao, Casilla 2250, Cochabamba, R Indoamérica, 6175, has no plans to return to SW, per info from Potosí, due to economic difficulties of Bolivia; R Carlos Quinto, 7400v, will probably not return to the air. Equipment problems (ibid.) more BOLIVIA, BRAZIL, LMI

BRAZIL R Educadora, Limeira SP, 2380 now sked 0700-0330, ex-0730-0300. R Ribeirão Preto (Radio 79), 3205, now 0700-0400 ex-0730-0400. R Educadora de Cariri, Crato CE on 3255 sked 0900-0200 (Sun -0100), hrd 25/11 at 0059. R Equatorial, Macapá AP, 3375, since 1/12 on this fq ex-2400, 1 kW, per QSL rxd from DG Roberto Braga Cardoso Silva, sked 2100-1100 (Antônio R Da Motta, Brazil, Jan DSWCI SW News) Note unusual sked; however, I already hrd in early Nov as reported here previously (gh)

R Verdes Florestas, Cruzeiro do Sul, Acre, has a CP for 5 kW on 4865 ex-2350 (Claudio R Moraes, Brazil, via Oile Alm, SWI) R Cultura do Pará hrd 27/1 0750 on 5040 instead of 5045 (Christer Brunström, Sweden, SWB) R Bandeirantes on new 3285, first hrd 3/12 past 0340 (Ravin Sewdien, Surinam, SCDX 8/1 edited by Ingemar Sandberg) R Baudeirantes on new 3285, // 1020 (Márcio R Ferreira Bertoldi, Brazil, SCDX 28/1, edited by George Wood) Rdfi Acreana hrd on 4880 23/12 only at 0915-1025f; since 4/1 on 4885 0858-1005+ (Mark Warner, Vic) Alternates unpredictably, it seems (gh)

BULGARIA[?] DPA reported 28/1 that DW said its Turkish pgms had been systematically jammed since 26/1; blamed xmtrs in Soviet Union & Bulgaria for this and added that VOA and BBC Turkish also jammed since 27/1; DW suspected directed against 'free flow of info to the Turkish minority in Bulgaria'. Said DW bcs in BG, RS, CZ, Dari & Pash to had been jammed for some time by Eastern bloc (WBI 31/1) 4/2, DPA reported DW had and SU & Bulg'd stopped jamming TK pgm. Lasted 26/1-31/1. Reason uncertain; might have been test for future jamming or demo of Eastbloc jamming potential (WBI 7/2) 30/1 edition of 'Milliyet' reported that a demand had been made for TRT to xmit 'morale-boosting' bcs to Turx in Bulgaria; Mayor of Bakirkoy organised meeting in Gunesli to discuss problem of Turkish refugees from Bulgaria. Prof from Istanbul Univ spoke about problems of Turx in Bulg and proposed TRT xmit to Turx there. Ed note: TRT already has genl ES in TK on the air 22h a day; and a 30-min svc in BG at 1100-11820 (WBI 7/2)

BURKINA-FASO National R of Burkina, Ouagadougou, DS: Mon-Fri 0528-0558; daily 0558-0830; Thu/Sat/Sun 0830-1158; daily 1158-2400. Fq usage, however: 0528-0815 on 4815, 0815-Th/Sat/Sun 9515, 4815 other days. 1000- on 9515; 1700- on 4815. Has news in EG Sun 1330-1400 on 9515 (WBI 31/1)

BURUNDI The National R of the Rep of Burundi, the V of the Revolution, DS from Bujumbura; 6140 and/or 3300 carry a combined svc made up of pgms from the First & 2nd pgms [FM]. Pgm I is in Kirundi; Pgm II in FR/SH/EG. EG nx appears on SW at 1145-1200, 1645-1700 (WBI 31/1)

CANADA CHNX, Halifax NS, 6130, fair to poor strength but in the clear w/RF gain cut back to avoid adjacent channel splatter, between 2235 & 2310; MOR pops & oldies, ads 2240, wx 2245, into rock, TC at 2248, ID as CHNS, 2300 nx, 2302 rock; very poor next evening; this was 4/1. Window for CHNX is about 45 mins around local sundown here. Shortly thereafter a Soviet stn carrying Mayak takes over; this is the weakest of the east coast Canadians at the moment (Bob Rankin, KS, OMDC DX Log 25/1)

RCI SWL Digest 29/1 included an amnt for listeners in US that RCI's Sunday eve bc had been temporarily discontinued due to budget cuts. Too, there'd be a number of pgm chnages, mostly affecting weekend bcs, starting at beginning of March, TBA during Feb (WBI 7/2) The former Mailbag pgm was discontinued, not the xmns! Here the use of the word 'broadcast' is too ambiguous (gh) RCI's M85 sked shows addition of EG to SAM at 0100-0129 on 15190 11940 9535, all 2500 kW 176°; simultaneous w/EG to NAM on 9755 and 5960; to be separate or identical pgm? Also, 25m fq for EG to Eu at 1900 & 2000 is now 11945. At 2130 17875 resumed, but on 60° beam supposedly for Africa; 15325 is 89°, the others--17820, 15150, 11945, are all 105° (gh) more, LMI

CHINA Guangxi Radio's VT svc hrd fairly well on 5050 at 1000-1100, again at 1100-1200, 1200-1300. Their IS is rather distinctive; mostly talk pgms. ID: Đây là đả: phát thanh Quảng Tây. [Cf Jan LN LMI] In the BBCMS transcription of this ID, note the consonants put at the end of some words. "laf" (lả) is pronounced with falling tone; same for "dai" (dài); "phats" (phát) with high rising--but what does "s" stand for? "Guangr" (Guang) with low rising tone; and "daay" (đây), "thanh" and "Taay" (Tây) with mid level tone (Isao Ugusa, Kobe, Japan, DX Front Line 31/1) And for those not familiar with Vietnamese, to sound like our "D" that letter must be

crossed; otherwise it sounds like a "Z". This accounts for the rampant garbling of a (formerly) well-known name like Ngo Dinh Diem. By the way, in his Japan Report on p 43 of Feb SPEEDX, Ralph Famularo in Osaka misidentified this stn as Radio Quang Ngai, Vietnam, on 5050 at 1059. Note the great similarity with ID previous page (gh) Also hrd with better signal on 2nd harmonic 10100, 1010-1205 (Mark Warner, Vic) Since 23/1, R Beijing ES on 4800, in SP 1100-1126 & 1130-1156, EG 1200-1255 (Mark Warner, Vic) Dropped 4800 for 5040, also hrd in EG around 1530 but QRM Thilisi (Mark Warner, Vic, RA Talkback 17/2) RB FS in EG 1430 4/2 on new 9550, not listed anywhere; Moscow underneath (Dale Park, HI) Possibly useful fqs in WNAM (gh)

COLOMBIA R Sutatenza, 5095, w/EG lessons 2/2 2040; poor (Don Moore, Machala, Ecuador) This stn 24h since start of Feb; ex-*0855; hrd f0730-1200f (Mark Warner, RA Talkback 17/2) more, LMI = Last Minute Info, last 2 pages of this LN

COSTA RICA R Havana reported 21/1 that VOA relay operated by R Costa Rica began bc'ing to Nicaragua previous day. Spokeman for CR Assn of Info & Culture [front organization] which supervised stn, said purpose 'to emphasize Western values'. RNMM 24/1 said RCR started bc'ing at 1100 19/1. Monitoring shows the 50 kW xmtr on 930 kHz on the air 9 h daily in SP, 3h of VOA relays and 6h of RCR: 1100-1130 RCR, 1130-1400 VOA, 1400-1630 RCR, 2030-2400 RCR, 0000-0030 VOA (WBI 31/1) Further monitoring shows call sign is TIRCR, says bc'ing from San José, indicating studio may be there rather than Quesada where xmtr be. R Impacto, SJ, reported that Pres Monge attended inauguration of RCR 30/1; US Amb to CR, Dir of VOA, and Pres of CRICA also attended (WBI 7/2) VOA new relay in CR, 50 kW in SP on 930, also hrd 24/1 0030-0300 w/local pgm, G=VG (H Gustavsson, Sweden, Play DX)

CUBA RHC, 6140 12/1 ending EG nx 0248, then into "Our UN Radio Service Report" - tape from UN Radio! (Dave Alpert, NY) 12/2 at 0148 tuned across 5025, R Rebelde and it was giving Russian lessons to the local Cubans; 0200 ID, SP; has to be relay of some local MW stn, but intended to reach whom?!? (Bob Palmer, Spokane WA) Yes, it's relay of R Rebelde, not just 'some local MW stn' but the major national domestic network, on 590, 600, 670, 690 and many other frequencies with high power. Russian urok a longtime feature; many other LAm countries have domestic pgming duplicated on tropical bands, so why not Cuba? (gh) more, LMI

CZECHOSLOVAKIA R Prague now appeared in new and not yet officially open, 13 MHz band--EG to As/Pac 1430-1457 on 13710 (Edwin Southwell, UKOGBANI, SCDX 18/12) DENMARK, LMI

DOMINICAN REPUBLIC Monitoring 20/1 showed R Earth using R Clarín 11700 at 1600-2300 on Sundays; first 6 hours EG, final hour SP; review of Dom nx of week at 2200-2210; mbg pgm 1600 20/1 said 7h RE svc had started 13/1; weekday bcs 0300-0400 have now been discontinued (WBI 31/1) On contrary, 7h svc started long before; you must have misinterpreted as they certainly would not have said this; maybe resumed then as I think they missed a week or two due to xmtr difficulties or Jeff White's absence (gh) Oh, oh; the Sun 17/2 bc completely missing; CID/Clarín of 19/2/back 20/2

ECUADOR R Casa de la Cultura plans to return to SW 4930 w/new 5 kW ex-1 kW xmtr, not yet installed; now 25 kW on 940, ex-1430 MW; FM off. Current sked 1200-2400 Mon-Fri. Cl mx & cultural pgming; has printed QSL card; Director Marco Vinicio Escalante. On 30/1, w/PJP2 in Quito, thruout morn & aft all MW (incl HCJB!) & all but three FM stns in Quito carrying the ceremonies, almost all even in the same net. Definite overkill! Interesting to note that when both Jesús-5050 and Católica-5055 are on they are clearly separable w/out QRMing each other. Still, extremely odd that they are so close (Don Moore, Quito) R Católica 16/1 1145 on 4176, SP, folk guitar, choir in background, // 5055. Is a result of mixing MW & SW xmtrs, 5055-880 = 4176, as noted by Juan Codina a couple months ago in RIB (Mitch Sams, Wichita KS) For the moment, we are operating from 1800 to 2015 [local; UTC 2300-0115], to be increased later in accordance with the needs of the region (M Patricia Jaramillo J, Secretaria, Rdif Cultural Voz del Upano, 5040, Morona Santiago, 20/12 letter to Max Henschen, Indianapolis, who adds: unhrd lately to see if sked expanded, as of 6/2) HCJB Quechua now on 6080 ex-6085, ex-6090 at *0900; seems to be looking for a suitable fq, as always spot on the new fq; unlikely to be drift (Tony Jones, Paraguay, 31/1) HCJB 0700-0830 [EG to Eu] 9870 replaces 9655 as of 7/2 (DKPL 6/2 via Norfolk)

EQUATORIAL GUINEA R Nacional, Bata, finally hrd 21/1 w/canned EG religion from 1948 on 15107; SIO 252 at peaks to 232. Heavy preaching until 2006, gave Oklahoma addr, choir mx into next preacher from Nfld. Tuned out at 2045 but checked again at 2137 to hear EG preaching w/DW splatter. 2150 rock mx, 2153 SP ID mentioning Internacional Service and Bata (Richard A D'Angelo, PA) If you wonder how such an obscure stn gets involved w/US preachers, I believe the time is brokered by Pierce Communications in California, which does the same for WRNO & many other stns, and is converting a Venezuelan MW stn into an EG gospel outlet for Trinidad (gh) FRANCE, LMI

GABON Africa Number One very strong around 1200 on new 17820, // 15200 (Andy Sennitt Denmark, RNMN 14/2) Stn plans to build another SW xmtr & omni antenna (Jonathan Marx, *ibid.*) more, LMI

GRENADE Recent obs of R Grenada, 535 kHz show resumption of nightly relays of VOA Carib Report at 0000-0030. R Grenada continues relaying BBCWS nx 1100-1109 & Sports Roundup 2245-2259 (WBI 31/1)

HONG KONG Construction of new BBC relay begins this month; target date for completion of two 300 kW xmtrs is end of 1986 (SCDX bc 12/2)

HUNGARY R Budapest EG pgm guide for March says it'll bc live 2nd leg of Manchester United-Videoton UEFA cup-tie from the Szekesfehervar stadium on 20/3, 1600-1800 on 11910 & 6025 (WBI 31/1) I surmise this nonsense alludes to sports? (gh)

ICELAND DS in Icelandic SW sked: on 13797 at 1215-1245 ND, 1245-1315 WEu, 1315-1345 ENAm; on 9859 at 1855-1935 ND, 1935-2010 WEu, 2010-2045 & 2230-2305 ENAm (France reporter to SCDX bc 5/2)

INDIA AIRCOS confirmed on 9545 at 1437 4/2 w/cricket, unID QRM (Dale Park, H' lu HI) /more, LMI

INDONESIA RRI Banda Aceh has now left 3905 and is xmitting on RRI Palembang's fq of 2433. Banda Aceh is dominant until 1800* but Palembang hrd past 1830. W/out any doubt some RRI stns are now 24h, changing SW channels to suit changing propagation condx. E.g. RRI Semarang on 2490 now hrd past 1830 (Sarath Weerakoon, Sri Lanka, SCDX 22/1) Programa Nasional, Jakarta *1000 on new 18115, hetted, // 11768 also *1000 (Philip Harrison, Perth, RA JP DX Time 27/1) RRI Medan, 4764.2 very, very poor signal 1153-1510. RRI Palembang, 4855.8v *1055-1625 but sked varies widely [beware Mauritian 4855.3v, qv]. RRI Surakarta, 4899.3v *1000-1700*, some nights to 1730v* and // 4933 if on after 1700 (Mark Warner's bandscan) Surakarta dropped 4899, now on 4932 only before 1700 as well, since beginning of Feb. RRI Ambon had been inactive on 4845 but is back now (Mark Warner, RA Talkback 17/2) RRI Sorong, formerly on 4828, was on 4813 25/1, then moved to 4870.5 (Mark Warner, RA Talkback 3/2)

ISRAEL [Cf Feb LN-20] Israel OKs VOA xmtr, a decision in principle by the natl unity govt of PM Shimon Peres. Political sources said tech teams from US & Isr'd meet shortly to work out details. Israeli govt sources decline to comment for fear of drawing any more attn to the xmtr which they fear might cause problems for Soviet Jews (NY Times via Kansas City Times 8/2, via Jeff Elson, MO; et al)

ITALY Adventist World Radio/Europe has been testing from a site between Bologna & Rimini on 6010 at 1500-1800 GM, & EG; alternates 6080, 6200; 0600-0900 on 6145; has a 10 kW linear running at 2-3 kW. Soon to add hi gain LP ant instead of present dipole, headed toward Germany & UKOGBANI; future plans to add pgms in Yugo langs. RM, PL, DN, SD, FR (AWR Eu spokesman in W Germany via RNMN 14/2) more & IVORY COAST LMI

KAMPUCHEA V of Kampuchean People hrd quite well in Sri Lanka at *2300-0030 (Sun 0130) on 6090; *0430-0530 (Sun 0630) on 9695 but not 6090; *1100-1430 (Sun 1500*) on 6090. The low powered 7008 which is used occasionally not hrd recently; (Sarath Weerakoon, SL, DX Front Line 31/1) Still unhrd here! Propagation only allows chance for 1100 & 2300 xmsns in winter; but 6090 buried under jamming for years (Isao Ugusa, *ibid.*)

KOREA NORTH New fq for DS is 2704, probably Chungjin ex-2696? (Warner, RA TB 17/2)

KOREA SOUTH R Korea registered 21475 from March, 250 kW at 2130-2400 SA, 0600-0800 N&Eaf 100 kW; registration may not be invoked (Philip Harrison, RA JP DX Time 27/1)

LAOS Details of LNR net, as rxd from Vientiane last week of Dec [SW portion only here]: 4653 1 kW Houaphanh 23-01, 0330-0530, 10-1155, 1255-1425. 5400 1 kW Xieng-Khouang 23-01, 04-06, 10-14. 4245 0.4 kW Oudomxay 2230-0130, 11-14. 6130 25 kW Vientiane 22-0230, 04-07, 09-16. 6600 1 kW Pakse 23-02, 04-06, 10-14. 7000 1 kW Luang Prabang 23-02, 04-06, 10-14. 7145 10 kW Vientiane (ES obs on 7125 apx) 22-0230, 04-07, 09-16. 7385 3 kW Savannakhet 2230-01, 0430-06, 11-14 (Pradip K Kundu, Asian DX Review) Luang Prabang drifted to 6980, very weak, clearer around 2300-0100+ than 1200 when surrounded by utes. ES of NRL like an old man given new life; 12/1 VG sigs on 7123 arnd 1100; hrd in SL 23-0130 & 1130-14 w/EG O1 & 1330; after each lang segment, brief interlude of NA. Pakse hrd at *2300-0200* on 6525 (Sarath Weerakoon, DX Front Line 31/1) No luck w/7123 here! Every year around this season, Pakse can be rxd in morns, *2300 but not this year; shifted to 6525 but not so strong as before. Xieng Khouang 5659 also hrd 2300-2330f besides ewes *1100; Houa Phan is regular on 4659 every night (Isao Ugusa, Kobe, Japan, *ibid.*) KENYA, LMI

LEBANON V of Lebanon, pro-Phalangist stn on 6550, 873, 93.2 IDs: Arabic: "Huna Sawt Lubnan, Sawt al-Hurriyah wa al-Karamah"; EG: This is the Voice of Lebanon, the Voice of Freedom and Dignity. Sked 0405-2330 (Sat to 0100 Sun). EG nx 0900-0910,

1200-1310 [sic, -probably means 1300-1310], 1700-1715, otherwise in AR & FR. This stn, believed to be from Al-Ashrafiyah, first hrd 24/9-29/9/75. Xmsns resumed 22/1/76 but maybe suspended later. VOL hrd w/regular pgms in AR, FR, EG, and at one time Armenian & Italian since Jan 1977. Addr ancd: P O Box 165271, Al-Ashrafiyah, Beirut (WBI 24/1) Leb stn most frequently quoted as nx source, e.g. release/escape of CNN hostage (gh)

LIBERIA ELWA DS in EG on 4760 instead of 4765 (WBI 31/1)

MADAGASCAR RTM Antananarivo, 5010vt *0259-0315+, hetting R Eco on 5009.8 as early as 0248 on 6010.6; 0259 IS, as Eco disappears. Vocal NA at 0300, quick talk by W, vibes, drums. More FR talk by W mentioning Malagasy; instl bridge, then ments "Madagasikara". Carrier quite good, audio a bit muffled. Drifting to fairly steady 5010.0 by 0315. Deep, quick fades. Past 0315 in presumed Malagasy lang, occl FR words; fq down to 5009.8 at 0322; then apparent PSA or ad; possible nx at 0331, fq down to 5009.6. Lost carrier for about 30 sec then back w/drums/horns between items or lead-in to ads. More ment of Mad., sig still reasonable at t/out 0337, 24/1 (dan sheedy, Encinitas CA, OMDC DX Log)

MALTA IBRA Radio, 6110, 20/1 0700 IS & ID as "This is IBRA Radio Malta", mx, into FR, strong (Dave Alpert, NY NY)

MAURITANIA ORTM moved from 9610 to 7245, for DS 0755-1200 Fri, 1200-1700 daily

MAURITIUS MBC on 4855.3v. 1540-1830* but some nights past 1845; on (WBI 7/2)

5/1 on 4855.0 but distorted (Mark Warner, Australia, bandscan) Don't confuse with RRI Palembang, Indonesia, 4855.8v, qv (gh)

MEXICO XEUJ, Linares, 5982, from *1055 w/NA & Mex mx to 1253*v 22/1; s/off arnd 1255 seems regular, just before R México opens on 5985 at 1257v; now both u/WYFR from 1244. I hrd something on SCDX about XEQ on 9681; somebody must be using an old fq list from the early 1950s (Ernie Behr, Kenora Ont 7/2/85) [cf Feb LN-20] 9681, 5/1+ 2133, La "Q" de México, SP w/LAm mx, TC, ID for R México, fqs (Mike Shockley, KS, Jan SPEEDXGRAM) more, LMI

MONGOLIA RUB, Choibalsan, 4995v, 1120-1522, varies 4993.8 to 4995.8 (Warner, Au)

MOZAMBIQUE R Maputo, 9618, 26/1 0355 local mx, PT ID, IS, nx, SIO 333 (Gary C Hickerson, Ft Smith AR) R Moz on 9618, from *1746 w/IS, PT/EG IDs, 1800 EG mx & pop mx, NA to 1848*v, 7/1. My unID on 4917.5v from 0300 is Maputo e Gaza regional svc; cf Jan LN-23 (Ernie Behr, Kenora Ont) Hrd Feb 10 at 0352-0402 on 4919v; choral mx of rel nature; 0400, 4 gongs. PT ID; later as "R Maputo". Fq terribly unstable at time making for tricky ECSS tuning; good signal (Kirk Allen, Ponca City OK)

NAMIBIA Windhoek hrd at 0545 on 4965 20/1; rel choir mx w/occl M talk; unfamiliar lang; at 0600 church organ mx. I can't find Namibia anywhere in the 1984 WRTH, either in index or under Republic of South Africa (Chuck Oliver, Spring TX) Checking the 1985, this is listed as a subheading "South West Africa" under South Africa, mixed in with homelands; and nowhere in this entry is the word Namibia used. Is this appropriate? I was under the impression that even in RSA the term Namibia is not so much a "fightin' word" as e.g. "Azania" would be (gh)

NEPAL R Nepal now using 3230 and 3425 for Channel 1; 7295 and 5005 for Channel 2 (Miss Mohini Shepherd, Nepal, SCDX bc 5/2)

NEW CALEDONIA Monitoring over several days since 30/1 shows no sign of any EG nx arnd 0700, just usual DJ patter and mx from jazz to Alphaville's "Big in Japan". Perhaps EG discontinued due to Kanak movement? (Dale Park, HI) cf Jan LN; more, LMI

NEW ZEALAND RNZ, 4/11 1125, EG anmt, ID, mx, on 7240, SINPO 25322 (Giovanni Lorenzi, Italy, Jan DSWCI SW News) Definite? Not known to use 41m, nor currently sked'd

NICARAGUA R Zinica had EG religious pgm 10/2 [Sun], 1314-1330 on 6120.6; tnx to tip on SWL Digest via gh (Kirk Allen, Ponca City OK)

NIGERIA NAN reported that the Minister of Info, Social Development, Youth, Sports & Culture [whew!] said in Owerri 18/1 all radio stns recently closed down by Fedl Mily Govt 'd be re-opened when economy improved and if their continued presence necessary. Said govt could no longer maintain huge number of staff on fedly owned stns and wanted to be able to manage staff strength effectively (WBI 24/1)

PAKISTAN PBC, Islamabad, 6130, 30/1 1200-1235 in Urdu, singing, ID, 1230 nx (Gary C Hickerson, Ft Smith AR) R Pak hrd 9/2 1214-1345* on 6128.8; As lang; 1235 & 1253 Koran. One time tone at 1300, ID, local nx in EG from Islamabad; same stn hrd 10/2 1216-1310+ on 6132; same format; VG sig, easy til deterioration begins arnd 1255 (Kirk Allen, Ponca City OK) PBC Islamabad, Peshawar pgm *1300-1600* drifts 4773.5

to 4778.0. PBC Quetta on 4879 1212-1500, once at 1657, exactly same fq as Bangladesh [qv] (Mark Warner, Melbourne Vic, bandscan) Azad Kashmir Radio at 1200-1400 has moved from 4815 to 5238.5; at 1400 still switches to 4790 (Mark Warner, RA Talkback 3/2) PBC Karachi, 4830, 1658-1735 30/12+, Urdu 1700 ID, 1715 ID, ex-4815; hrd daily but other days Soviet 4825 and RSA 4835 QRM buries it (Bernhard Gruendl, Stuttgart, W Germany, OMDC DX Log 25/1)

PERÚ R Ilucán, 5617, 2335-2359 29/1 nonstop ballads til ID at 2348; poor; off at 0040 recheck (Don Moore, Quito, Ecuador) R San Juan de Chota, 5275, 2324-2335 3/2 excellent w/romantic ballads; complete ID by M, ads for "Bar-Restaurán Primavera, donde la atención es primera.." Farmacia San Pablo, Helados Don Lucho, y Discotienda Suárez. Also a comunicado for the Rivera Burga family in Nuevo Cajamarca. At 0102 recheck just OC, off at 0103. R Acunata. 5802, 3/2 2140-2158 w/hard rock, TCs in GMT-4 after each song; M yelled "Acunata" twice at 2151; ID at 2155. All TCs 5 min fast; P-F. At 2320 recheck was off; but same eve, 4/2 GMT in good at 0058 w/huaynos. Also at 0140, but off by 0203 check. R Colonial, 6137, 2208 3/2 w/hard rock, ID, GMT-5 TC, F-G -not on at 0037 recheck. R Santa Cruz, 6655, 3/2 2218-2239 w/huaynos & IDs, GMT -4 TCs, G. Also at 2340 & 0100 Note both this and R Colonial are in same dept but different towns, yet have different local times (Don Moore, Machala, Ecuador)

R Santa Cruz, 6656, now here, daily including Suns to 0300*; fq varies slightly. Final pgm, 0200-0300 is 'Recuerdos musicales'. unID Peruvian on 6578, hrd 28/1 from about 0100 til past 0215; gone at 0315 re-check. Located in central or northern Perú, judging by the huaynos hrd. R Tacna, 6563a, now here ex-9486/9505 (Tony Jones, Paraguay)

R Colonial, 6137.8, now one of strongest OAs hrd, 1115-1200f, Peruvian and Lam mx, many ads at 1130 10/1. Not Bolivia as suggested in Jan LR-B. R LV de Huamanga 6201, from 1030 talk, ads, huaynos to 1130f; clear 15/1 when Sandino was off. R Municipal de Calca, 6242.8, from 1045 w/Peruvian mx, talk to 1115f; weak but clear 8/1. Cf Jan LN-24--that Peruvian list from MadridX must be at least 5 years old; lists fqs and stns which no longer exist, such as R Santa Rosa 6045, R Abancay 5082 (Ernie Behr, Kenora Ont) cf BOLIVIA, R Santa Cruz nr same fq as R Colonial

R Eco, Iquitos, 5010, 0855-1112f 2/2, very pleased to catch this on while checking fqs of inactive OAs during the Pope's visit. G sig w/some ute QRM. Variety of Lam mx from countries Pope is visiting. Adstrings, IDs just as "R Eco" and "R Eco, Iquitos". Announcers gave very detailed rundown of Papa's itinerary, w/remote reports from towns he hadn't yet visited. A half dozen announcers and reporters were involved in the spl bc, each with his own mx bridge played prior to speaking (Frank F Orcutt, Buffalo NY)

R Atlántida, Iquitos, often hrd 2330-0250 on 4790; mx at 0230 said Perú suffered a 15% devaluation in 1984; that might explain why stns aren't QSLing any more! (P Cacciamatta, D Monferini, & GAT, Italy, Play-DX 14/1) R Los Andes, 5030 22/1 & 23/1 *0852 (Gordon Bennett, UKOGBANI, Play-DX)

R Moderna on 4300, from Celendín, hrd between 0153 and past 0311 mid-Jan (Parks, Palkovic, Krueger, Reinstein, DXSF) R Gran Pajatén, Celendín, on new 4485.3, 0157-0428* mid-Jan (Parks, Krueger, Potter, Reinstein DXSF) R Santa Cruz, new 6655v, 0125-0342* mid-Jan, drifted to 6652.1, 6652.6, 6659.9; ex-6850v (Potter, Krueger, Reinstein, Parks, DXSF) more, LMI

PHILIPPINES RVA now only broadcasting in EG 0200-0225 on 15195 (Oliver Goonawardena Sri Lanka, SCDX 22/1) Now what does this mean? Use of "only" in this way is entirely ambiguous. Has the only other EG bc been dropped; have they dropped all other languages? Have they dropped other languages at 0200? Have they dropped the 2nd fq for the 0200 EG bc(which I guess is most likely meant); or has stn given up all activities except broadcasting??? (gh)

POLAND R Polonia, 7285 // 9675, 1530-1555* in Esperanto, both vy strong 22/1; first time I hrd this lang clearly. Not sure if these are new fqs (Ernie Behr, Ont)

PORTUGAL R Portugal IS and EG sked 8/2, Mon-Fri only: ENAM 0030 & WNAM 0300 on 6095; ME 1600 15105; Af 1800 15250; Eu 2030 7125 9740 (Art Hankins, Greensburg PA) Ditto, 30 min bcs; totalling 12:30 a week, redxton of 4:30 from sked in force until 2/1 (WBI 24/1) Nevertheless, found on 6090 at 0300, out from under HCJB (gh)

QATAR QBS, 9905 now obs til 2130*; possibly ex-7320, no longer hrd at this time, tho still hrd mornings from s/on when 9905 not hrd (Tony Jones, Paraguay, 31/1) R Australia Talkback and that from 3/3, Qatar sked: 0540-0700 11820, 0900-1300 on 21475, 1730-2130 on 15265 & 11820; no further details (Jeff Elson, MO, 11/2)

RWANDA National R of the Rwandan Republic, R Rwanda, Kigali, DS on 6055 & 3330: 0300-0600, 0600-0900 Sun, 0900-2100; also on FM (WBI 24/1)

SAIPAN [Cf Jan LN-25] Most of the D84 sked seems to be wrong or not in use from KFBS; best sig is on 9515 in CH at *1501-1600* but vy irreg, as late as *1520, or off for days; 16/1 (Ernie Behr, NW Ontario, 17/1) more, LMI

SA'UDI ARABIA EG & FR from BSKSA again reverted to 11855 ex-11840 (WBI 24/1)

SENEGAL ORTS, Dakar, 4890v, varies 4890.0 to 4892.3, hrd 1817-2050F; 0755-0810f 20/1 (Mark Warner, Melbourne, Vic, bandscan)

SEYCHELLES FEBA Radio News leaflet for Feb/March 1985 says severe financial restraint forced cutback in power for FEBA's most powerful xmtr in early 1983. Since then just 45 kW most bcs; full power of 100 restored in 1984 for a few langs only. At present, cost FEBA apx 3.5 kilopounds sterling weekly to pay elec bill for its three xmtrs. Said BBC, when faced w/financial restraints, tended to drop certain lang bcs. But FEBA reduced power in order to maintain sked. This affected countries at greater distances from Seych; e.g. poor reception certain places in India, esp'ly eve bcs in Hindi. A priority is to restore full power to addl selected bcs. Pgm Controller, advised by Fq Mgmt Engr, had complex task of deciding power levels of each bc, in order that FEBA's msg could reach max number of listeners. Also reported that, a sesquidecade after going on air in 1970, when pgms in 12 langs were bc, FEBA now has 25; such an expansion didn't prevent a conf held in Seych 17-27/11/84 from examining lang priorities. Lang coordinators from Pak (covering C&WAs), E & SE Af, ME, and delegates from FEBA India asked for more pgms to be bc, both to extend current being and to intro new langs (WBI 31/1)

SINGAPORE SBC reactivated 5010 (Mark Warner, RA Talkback 3/2)

SOLOMON ISLANDS SIBC on late 24/12 w/Xmas pgm, to 1500* NA, 5020 (Bruce MacGibbon, OR, Jan SPEEDXGRAM)

SOUTH AFRICA SABC nx ancd 16/1 a rationalisation of its radio svcs; from 1/7, Springbok R'd close down at 1630 and three new regional svcs'd be introdd--R, Jacaranda in Pretoria, R Orange in Bloemfontein, and R Algoa in Port Elizabeth. SABC Dir-Gen added that after 1630, Springbok R xmtrs 'd carry pgms of either R 5 or the regional svcs; early closing'd mean discontinuation of some pgms; said being sked being rearranged but no further changes'd be made to SR format. Said figures for daytime listening were very satisfactory. Would be forerunner to three new autonomous regional radio svcs on 1/1/86, as named above. SABC operates 18 radio services a day within SAF, reaching almost 12 megapeople (WBI 24/1)

SPAIN REE informed listeners in Eu/N&ME/Af/Am that its bcs'd start half an hour earlier from 4/2 w/daily nx in Catalan, Galician, Basque; Eu/Af listeners 'd also have this svc at end of their first xmsn. Limited survey so far establishes this at 2030-2100 on 15395 11920 11890 9570 7450; 2255-2325 11940 9630; 1030-1100 17650 15525 15395 11920 9570. 9630 believed ex-11880 (WBI 7/2)

SRI LANKA Am hearing nx in EG at 1500 on 15425; pop dance tunes from 1433 w/EG ancr --fairly clear, some fades, can't understand every word; popular dance mx of some years back, that is (Art Hankins, Greensburg PA, 8/2) DW Trincomalee test sked by one or several xmtrs: 06-0755 GM 15105 08-09 Dari/Pushto 17825. 10-1050 Persian 15185 17715. 1130-1230 JP 7265. 1245-1420 CH 7265. 1430-1650 UD/HD/EG 7200 6160. 1700-1855 GM 9685. 1700-1900 GM 6160. 19-2035 AR 11705. 21-2150 EG 6185 9600. 22-2455 GM 6065 9600. 01-0150 BG 15105 17800. 02-0250 EG 15105 17800. During the coming months it'll be necessary from time to time to switch off xmtrs as installation work on relay stn still go on. Only after the definite acceptance the installations will be ready for regular operation (undated DW notice via Dale Park, HI, and Eric Falkenhan, NJ) From 22/1, test xmsn of undetermined duration on 17845 in GM 1400-1555, reports wanted (Peter Senger, DW, via Falkenhan) unknown if SL or not 11/1, R Stn Peace & Progress, Moscow, quoted SL Forn Minister as saying in Parliament that US intended to install in SL a powerful VOA xmtr; it'd be one of the largest stns of its type in Asia for being 'subversive propaganda' to S/SWAs. Almost 200 families of SL fishermen 'd have to be resettled in order to clear land for the stn, per RSP&P (WBI 24/1) more, LMI

SWEDEN RSI M85 changes effective 3/3; concerning EG: NAM 0230 11705 ex-6185; 0330 11705 ex-6020. ANZ 1100 15115 ex-17820. EAs 1230 15190 ex-9565; Af/SAs 1230 & 1400 swap times, viz: 1230 SAs 17845, 1400 Af 21570; NAM 1400 15190 ex-15345. SAs 1600 11940 ex-9665. Af 1830 15240 ex-11845. Af 2100 11845 ex-9710 NAM 2300 9695 11705 & drop ANZ target then (SCDX 5/2 bc) Whew, but judging from behaviour this winter, may keep changing every few weeks (gh)

SYRIA Damascus on 7455, vy strong 16/1 from *1800 w/RS pgm, but xmtr went off before 1830; 7430 was weaker, from 1730 'Saut ul-Iraq' pgm in AR; jammed all day by

Iraqi bubble-jammers (Ernie Behr, Kenora NW Ont) Damascus ES to LAM now obs on ancd fqs 9485 & 12085; AR 2200-2300, SP 2300-2345A, PT 2345A-2400 (Tony Jones, Paraguay, 31/1) EG from Damascus hrd 19/1 Sat 2000-2100 on 11685. I am almost certain ancd IDed as "Tim Fogarty"; G sig; gave addr as Damascus Radio, Onmayad Square, Damascus, Syrian Arab Republic; final ID as This is Damascus Radio Service of the Syria Arab Republic; mx, maybe NA & off; rushed a report off to them; have never verified Syria (Arthur M Hanks, Greensburg PA) ES of BS of SAR now seems settled into this sked: 1200-1300 EG NAM 17510. 1305-1400 TK Eu 11685. 1530-1630 AR Palestine Svc 7430. 1700-1800 AR V of Iraq svc 7430. 1800-1830 RS Eu 7455. 1835-1905 GM & 1905-2005 FR & 2005-2105 EG Eu 11685. 2200-2300 AR, 2300-2340 SP, 2340-2400 PT LAM 12085 9485 (WBI 24/1) more, LMI

TAIWAN Per R Australia Talkback pgm, V of Asia uses 10 kW on 7285 at 2310-0700 in CH & EG; 5980 1030-1900 in EG/IN/CH/TI (Jeff Elson, Brookfield MO, 11/2)

TANZANIA R Tanzania now on 9748.8, from 1815 V of Namibia, 1900 TS, EG nx & NA to 1915*; strong 16/1, ex-9684 (Ernie Behr, Ont) TURKEY see BULGARIA

U S S R 16/1 at 0145-0212*, USB required to separate stn on 5040.0 from a Latin around 5039.9. At tune-in, a variety pgm in progress, Two M joking, song and dance routines. Sort of a Bob & Ray pgm w/mx. 0200 time pips, TC in Russian, usual nx on the hour; no IS hrd. Before 0200 sounded not at all like Russian language. After 0200, RS for sure. 0212 mx ended, and went off. Several chex next 20 mins, but not returned. Printed matter in the hobby differs a lot as to whether this is Tbilisi; could it have been a new relay xmtr test from Cuba? Someone pse help! Re my Yakutsk item in Feb LN on 7200; that is shown for D84 as carrying MIRO-2 at 0030-0930, i.e. Moscow First program for the 2nd group of time zones west of the Pacific. URSC Hand book of the USSR DXing even lists the various pgm names for the various timeslots in each region (MIRO-1, MIRO-2, MIRO-3, MIRO-4, and MIRO-Eu) and each region appears to be carrying the same selection of pgms as the others but shuffled differently according to time. M2 (Mayak) is of course completely different stuff altogether! My mistake and I hope astute listeners caught what I meant (Bob Palmer, Spokane WA)

RM still hrd on 7195 7/1 w/NAM svc evenings, despite Legge's report that xmtr used for this was to be shut down for major overhaul beginning 1/1 (Dave Alpert, NY NY)

UNITED ARAB EMIRATES Abu Dhabi w/colossal sig 21/1 2000-0100+ on 4800, mx, EG reqs for reports to Box 63; 250 kW? but not hrd next two nights (Mike Barraclough, UK, RNMN 24/1) V of the UAE, Abu Dhabi, solid afternoons & evenings on 4800, ex-9695 (Don Jensen, RCI 2/2) Really? All other info indicates this is a new xmtr rather than a fq change from 9695; and that it was active the night of 21/1-22/1 only so far (gh) Testing again 11/2 at 6155 at 1830, blocking ORF. Stn spokesman says tests last week were omni, now directional to Eu/S/NAM/FE/AF/ME; 1 xmtr at a time; to be on the air officially at end of Feb, starting w/relay of AR HS, for 5 or 6 months, then adding EG & FR. Also has new Mw 2 megawatt on 1314, testing 1500-2100 directionally towards Yemen and Pakistan (RNMN 14/2) more, LMI

U S A WYFR on 3445, 26/1 1043-1058 in SP, ID, rel mx; 1057 sig begins to drop out. Only hrd this day, and nothing audible on multiples of 3445; probably a bad tune-up (Chuck Bolland, Lakewood FL, groundwave range) WYFR hrd 27/1 on 15215 15355 15365 15380 all // from 2200 EG, booming in at 555; is this really necessary? Same thing on other bands, such as VOFC relay on 5985 & 6065; they simply jump on any fq they want, often 3 or 4 per band; why is the FCC allowing such behaviour? Cf Jan LN-27, [and México, this LN] (Ernie Behr, Kenora Ont) Well, what's the point of having 10 xmtrs if you aren't going to fill up the bands with them? I imagine each of those 4 fqs on 19m is officially to a different target area; never mind that directionality is so lacking at single-hop range that one would obviously suffice. The FCC doesn't really care about much of anything anymore but can be assumed to have approved such nonsense on paper. Perhaps fq manager Stanley Leinwoll could enlighten us? (gh) A lot of WYFR fqs match those of RFE/RL, by no coincidence; WYFR using them while RFE/RL does not during certain hours and seasons helps to keep them in the 'Family' (gh) WYFR on another new fq, 9590, 5/2 1344 in EG, probably via FL as Cuba 9525 was also in at same level (Dale Park, HI) KGEI obs w/SP mbg pgm at 2141 2/2 on 15280; hence EG is not daily anymore. VOA in SP on new 9840 at 0215 4/2 // 9505 9670 (Park, HI) KZLA, Albuquerque NM, pretty regular on 3160, 2 x 1580 where not hrd; 1309 morning nx, wx, sports, 22/1 (John Wilkins, Wheatridge CO, OMDC DX Log) more, LMI

URUGUAY R Montecarlo, Montevideo, 17/1 & 18/1 & 20/1 2345-0050 on 11735, new fq which for many years was used by R Oriental, then bought by Montecarlo. Nx every 30 mins; watch out for R Yugoslavia in SP on 11735 (Dondi, Monferini, Nuzzi, Sandri, Italy, Play-DX) Sked of R Montecarlo test xmsns is 0100-0500 9595, 0900-1500 11735 and 1500-2300 6140 (César Higa, Argentina, SCDX bc 5/2) SODRE International resumed

xmsns 2/1 on 9620 and 15275, 2300-0300 w/30 min pgms in EG on half hour, SP on the hour (Horacio A Nigro, Uruguay, SCDX 22/1)

VATICAN, LMI

VENEZUELA [cf Jan LN unID section, bottom] 3246.3 stn is R Libertador, ID in passing but not formal ID at 2145 & 2158 15/1; hrd from 2140 w/ pop mx pgm, M DJ, PSAs for "Información de Jesucristo"; abrupt 2200 s/off so probably simulcast w/MW; some QRM & QRN (W J Parks, FL, DX South Florida) Still hrd here as early as 2050 t/in, but usually too weak to pull out ID. Almost always s/off 2200, but several times noted to past 2230 (Dong Reinstein, ibid.)

VIETNAM Lam Dong BCing Stn now hrd daily tho weak and QRMed; monitored sked in Jan: *1000-1100* daily, *1130-1200* Sat, *1130-1215* Sun/Thu/Fri, *1130-1230* Mon/Tue/Wed all on 4805 in VT. 2nd xmsn usually starts a few minutes before 1130 such as *1127 and carries Hanoi relay pgms till 1130. Likewise, first xmsn occasionally does not end till past 1100 when mx from Hanoi is carried for a very short period till closure--less than a minute; however on Tue 15/1, ran to 1214* Nghia Binh hrd on 5120 at *1145-1230* on a Tuesday; complete weekly sked not confirmed. Tho not so strong, it's better than on 5090 last July; all in VT. Hoang Lien Son hrd on 5596 and 6705 ex-6720: *1000-1030*(Sat 1015*), *1145-1300*(Sat 1230*). Cao Bang still on 6510; in late Dec and 17/1 to 1400*, but since 18/1 again at *1200-1430*, but often closing as early as 1420*. Bac Thai around 6608-6610 in Jan at *1125-1330*. Following stns were lost in Jan: Gia Lai-Kon Tum on 4700; Binh Tri Thien on 4670; Lai Chau on 6588--last confirmed at 1326* 2/1; Lang Son continues unhrd on 6510 which is now occupied by Cao Bang; V of Vietnam on 9920 for DS. (Isao Ugusa, Kobe, Japan, DX Front Line 31/1) According to my correspondence who actually travelled Hanoi, following stns were noted in Nov 84; times not given: Binh Tri Thien on 2280, 3915, 4662; Nghe Tinh on 4700; Ha Tuyen on 4820; Hanoi on 5050 5202 (Bernard Chenal, France, DXFL 31/1) BTT 4662, NT 4700, HT 4820 were known to be used before, other fqs completely new to me; further details needed (Ugusa, DXFL) Watch out on 5050 for Viet svc from Guangxi, China, qv (gh) Thanh Hoa hrd on 4886.5 23/12 only, from 1355. Nghia Binh on 5120 *1145-1230* or 1250*, ex-5080 (Mark Warner, Vic, bandscan 22/12 thru 29/1)

YUGOSLAVIA R Yugoslavia in EG: 1530-1600 15240 9620, 1830-1900 9620 7240 6100, 2000-2030 same, 2215-2230 9620 7240 6100 1269; all one hour earlier during DST [presumably from 31/3] SW relay of R Beograd DS 1345-2305 on 9505 7200 (WBI 24/1) ZAMBIA LMI

UNIDENTIFIED 1624 kHz 21/1 1319-1330+, quite weak, maybe pirate. Most schools closed in the northeast due to wx; don't usually hear images on or near 1624; all I hrd was mx, and someone talking between songs, but I couldn't make anything out (Chris Smolinski, Reisterstown MD)

3772 still hearing this, 16/1 1353 sounding almost Arabic; no break on hour, no jammer this time. Help? (Mitch Sams, Wichita KS)

4855.5 Major mystery of 4-day dx-pedition was this, 31/12 2038-2200* w/pgm of schmaltzy French pop selections, usually 3 in a row, and current NAM top 40 hits. 2047 a brief talk by W ancr in what sounded like an Indian (sub-continental) lang followed immediately by a M in FR talking about the new year 1985. Then back to mx until 2159 when M in FR said "Vous avez écouté de la musique de danse"; evident s/off annts and NA w/carrier cut a minute later. Propagation followed EAF pattern and sig pretty well dead by 2150 or so after being fairly strong at t/in! Very strange indeed (Mike Bolitho & Paul Routenburg, Holland Twp, Owen Sound, Ont, CIDX Feb)

4855 Definitely not an Indo, believe this was French, 16/1 1415+. WRTVH shows Indian lang 1400-1430, then FR for Mauritius; slow drums, utes on both sides and weak sig. This would be longpath w/Mauritius just in the dark (Mitch Sams, Wichita KS)

4940 unID in French, 25/1 1030-1045 fade; Guiana? (Mark Warner, Melbourne, Victoria)

9508 Report of French stn on 1/2 WORLD OF RADIO is more likely Algeria [than New Caledonia]; hrd this on 9508.9 from 1500 w/brief FR nx, then pop mx 8/1; also in Dec at 1915-2000, always weak; cf Jan LN-30 (Ernie Behr, Kenora Ont)

CLANDESTINE CRANNY no-name stn for Cubans in Africa hrd on 6045 from *0500 w/LAM songs, SP talk, past 0530; USB xmtr, strong 26/1 w/DW QRM; used to be DSB and much weaker when hrd in May 83; new xmtr probably same as V da Verdade on 4950 (Ernie Behr, Ont) from South Africa

R Halgan, hostile to the President and Govt of Somalia, now hrd bcng at 1700-1800 instead of 1800-1900, and on two fqs instead of one 9595 and 7235; believed to be from Ethiopia (WBI 7/2) I often wonder why president, and government should be caps (gh) R Halgan, The United Voices of Somali Opposition Forces, hostile to the [sic] Muhammed Siyad Barreh of Somalia; Somali ID: Halkani wa Radio Halgan. Originally called R Kulmis when inaug'd 8/2/79; changed to R Halgan 10/10/82 after the Democra-

tic Front for the Salvation of Somalia and the Somali National Movement had announced a joint approach on the struggle against the Som gov't under Muhammad Siyad Barre. Xmt's are located in Addis Ababa (WBI 7/1)

Radio SPLA, controlled by the Sudan People's Lib'n Army and the Sudan People's Lib'n Mvmt, and 4/2 it'd shortly start being on 16mb in add'n to 31mb. New xmsn'd last one hour at 1600; initially, it'd carry pgms previously bc on R SPLA's 1300 xmsn (WBI 7/2)

V of the Libyan People, describing itself as the voice of the Nat'l Front for the Salvation of Libya, currently hrd at 0430-0630, 1800-2000, 2030-2230 on 15040; but still announces sked of 0330 between 10000 and 12000 kHz, at 1700 betw 10855 & 12235 and at 1930 betw 11300 & 12200 (WBI 31/1) May indicate pgm tapes are prepared far away from the xmtr site and pgmers don't know what's going on (gh)

Turkiye Komunist Partiye, 9584, 17/1 *1455 12-note IS played on pipe organ or electric piano, 1501 anthem, 1503 simple ID in TK as above (Mitch Sams, Wichita KS)

V of Liberation of Iran, 9027, hrd *1630 w/IS & Farsi pgm to 1825a; from 1830 contd w/Radyo Iran; fair 16/1 (Ernie Behr, Kenora, NW Ont)

V of the Communist Party of Iran continues operating, hrd 17/1 during sked 1730 xmsn on USB 4470.3 (WBI 24/1)

V of the Feda'i, 28/1 this stn in Persian (Seda-ye Feda'i) obs on 4680 1700-1747; started by playing the Internationale and described itself as mouthpiece of the guerrillas of the Feda'ayan-e Khalq-e Iran. Said it was fighting for downfall of 'the reactionary regime of the Islamic Republic and for the establishment of a Democratic People's Republic'. Ancs sked of daily 1700-1745 on 65 & 75mb, repeated next day at 1100; 75mb channel found 29/1 on 3941 (WBI 31/1) Continues hrd daily 1700-1745 apx on 4680 and 3941; repeat next day proved to be at 0900, not 1100 (WBI 7/2)

V of People of Burma, hostile to Burma gov't, on 7571v 0100-0300 & 1200-1430 in BM and other dialects; 9/1 bc began w/instruxions on using rifle, then anc punishment for those who violate the order; opening anmt is 'Myamapee peetu athan hma athan hlwint nay barthe' (Babul Gupta, [who studied Burmese], Asian DX Review Dec)

V of Kawthoolei Per press reports, Karen Nat'l Libn Army rebels have been able to shift the radio eqp to an unk safer area. Karen's Nat'l Day is 11/2; perhaps they might celebrate it by reactivating the radio bcs which will be a morale-booster for them after recent setbacks (Sarath Weerakoon, Sri Lanka, DX Front Line 31/1)

V of Democratic Kampuchea using winter fq 4130 for 1300-1400 bc, // 5250 11675 (Sarath Weerakoon, Sri Lanka, DX Front Line 31/1) Monitoring during Jan shows VODK: 2330-0030 7350* 8345 9440. 0400-0500 11725 15400. 0900-1000 11870 15100. 1300-1400 4130* 5250* 11675 (15130). Fqs w/* are unancd; () is ancd but not confirmed. These sked anmts are given at opening only in 2330, 0400, 0900 xmsns. At this point the 1300 xmsn is different; plays same theme mx but no ID or sked, and soon into pgms after the mx (Isao Ugusa, Kobe, Japan, ibid.)

V of the National Army of Democratic Kampuchea can be QS'ed via their UN mission! Rxd full-date prepared card, along w/some books and hundreds of pages of UN memoranda and press releases regarding current political situation in Kampuchea. Addr is: 212 E 47th St, 24G, New York NY 10017. V/s Tep Khunnal, First Secretary, Permanent Mission of Democratic Kampuchea to the UN. This represents the exiled coalition gov't of Prince Sihanouk, Khieu Samphan, and the Khmer Rouge Forces, opposed to the current Vietnamese-backed regime in Kampuchea (Steve Reinstein, FL, DSWCI SWN Jan)

V of People of Malaysia, after being inaudible for a couple of weeks, again confirmed on 7072 arnd 1200-1330* suffering QRM from local hms; much weaker than last autumn (Isao Ugusa, Kobe, Japan, DX Front Line, 31/1)

R Liberación, the voice of the Popular Resistance and of the MIR (Revolutionary Left Movement) bcs every Wed & Sat 2330-2345 UTC on 107.5 MHz FM in Santiago de Chile. Pgms are in SP and contain political proclamations against the dictatorship in Chile, according to the clandestine paper El Rebelde (Gabriel Iván Barrera, Arg, DSWCI)

La Voz de Sandino, 5760, hrd 0400-0500* w/ARDE pgm & off w/song; USB xmtr 15/1; cf Jan LN-31 (Ernie Behr, Ont) And at 2305-2314* 5/2, complete ID, comments, patriotic mx (Chuck Bolland, Lakewood FL) On 5875

R Quince de Septiembre on new 7195, 0500-0605*v, off w/NA, DSB xmtr, ex-7050; // 6215 USB, 5580 USB, 5555 DSB (Ernie Behr, Kenora Ont)

R Martí R Moscow EG to ENAm reported 11/1 that R Martí'd start operating 28/2 [sic, probably error for 28/1, an unmet target date]; it'd be on 14^{1/2} a day. RM said it was hoped in Washington that this new being venture'd encourage counter-revolution-

ary elements in Cuba and destabilise its 'popular system'. RM described RM as yet another stn for radio subversion like R Liberty or R Free Europe (WBI 24/1) Hrd a mx item in mid-Feb that Charles Wick of USIA indicated R Marti would soon go on; dedicating José Martí Park in Miami, Jorge Mas Canosa of the board overseeing R Marti foresaw military implications to the station (gh)

NORTH AMERICAN PIRATES

KRZY [it should be noted that this call has been used for a long time by a legal stn in Albuquerque, and is affiliated w/other similar-called stns such as KRZE] KRZY on the air 25/12 2053 on 9830, rock mx to 2138*; also 1/1 0007 w/ country mx on 9953; testing eqp but had problem w/wind blowing down antenna (John Knapp, Uniontown PA) 29/12 to 0525* on 7440 instead of regular 7430 (Chuck Oliver, Spring TX) During 18/1 pirate extravaganza on 7435, hrd 0105-0123 fade reading reception reports and letters from listeners (Ken Evans, Quinby SC) Hrd again 19/1 arnd 7435 at 0019-0138 w/Kaptain Crazy reading reception reports and Joe Cool laughing at the reporters' names. One reporter got the gong for a comment about "kids playing radio". Shortly thereafter an SSB operator broke in for about 10 mins with comments repeated over and over, "Get off the air. boys... buncha punx... punx playing radio..." Played "Louie Louie" at 0130 and a couple of R&R tunes until 0148 when pirate WKUE faded in to dominate fq [qv] (Chris Bagge, Springfield MA) KRZY hrd w/several IDs on 7430v 19/1 to 0220* (John Knapp, Uniontown PA) 20/1 2137-2219* on 7391. Long mailbag segment began at 2144 w/Captain Crazy ("a full fledged Captain of the United States Pirate Association"), Maynard and Joe Cool, who said very little. Crazy emphasized the call KRZY since many reception reports had the wrong call letters--wrong reports were 'gonged' on the air; also said he paid \$150 for equipment, 2nd hand. Gave Battle Creek addr (John Norfolk, Oklahoma City OK) On 7429.8, 4/2 0207 60s rock--Monkees, Beatles, CCR; DJ Capt Kirby, ID, SINPO 23332; pirates have been very slow past 3 weeks (Gary C Hickerson, Ft Smith AR)

Zeppelin Radio Worldwide, during pirate extravaganza on 7435 18/1, hrd 0123-0137 pl-aying some German beer drinking mx and announcing bc from Deutschland Beer Hall; gave an address for reception reports (Ken Evans, Quinby SC)

WKUE, during pirate extravaganza 18/1 on 7435, hrd 0137-0200; believe this one was associated with Zeppelin R Worldwide since the Count said "thanks very much for listening to Zeppelin Radio Worldwide." (Ken Evans, Quinby SC) WKUE hrd again 19/1 on 7435 conflicting w/KRZY at 0138-0150+ w/pgm of oldies, DJ Laughing Bill; "Your stn for the greatest hits of all times--74 WKUE" Hilo addr; also hrd 27/10 0037-0043 on 7400 (Chris Bagge, Springfield MA) On 7432, 19/1 0145-0207*, S7; usually on 7424 (Chuck Oliver, Spring TX) "Radio K UE" on 7424 to 0104* 24/12, PO Box 5074, Hilo addr; much ute QRM (Chuck Oliver, Spring TX) WKUE had fqt IDs, 19/1 on 7430v, apparent s/off 0208 (John Knapp, Uniontown PA)

KOLD During pirate extravaganza 18/1 on 7435, hrd R Oldies 0213-0240*, rock mx from the 50s (Ken Evans, Quinby SC) Hrd on 7428 19/1 0235, vy poor sig, only got one plain ID (Chuck Oliver, Spring TX) 19/1 on 7430v playing oldies rock; after 0230 just QRM from an SSB mxsn; sig was extremely weak by then, f/in/out, mostly out; no reading on S meter; hrd ID just before 0239 t/out (John Knapp, Uniontown PA)

KGPR, Gateway Pirate Radio, soon to begin bcng to NAM from St Louis, home of the Gateway Arch, on both MW 1635 and SW 7460; plans once a week bc, Sun 0630, commencing in March; addr and phone TBA on first mxsn 3/3; you will enjoy our programs (KGPR) Stns wishing advance publicity in FRENEX should keep in mind publication sked; mailing is around the first Sat of the month or day before, so most readers unlikely to get word in time; hearers of DX bcs may, however (gh)

Tangerine Radio, hrd again 20/1 0431-0500+ on 7432 USB, asking for \$2 cash contributions to the "Tangerine Radio Telethon" (Chris Bagge, Springfield MA) Hrd 20/1 +0642-0736+ on 7435 USB, conducting a telethon, requesting \$2 to Box 5074 Hilo HI 96720. Contributors would receive their newsletter; rxd quite well, vy strong, but some interference from 7440 [Moscow?] (Chris Smolinski, Reisterstown MD)

WBBH on 4860, 24/12 to 0359*, said they're in Rutgers NJ, mentd Cortland School of Music, FCC licensed on 4860 with 500 watts; call to Rutgers Univ 26/12 revealed no mx school there, but mx dept; no one there until 4/1. So I assume the ID is that of a pirate. A call to NJ info found no listing for a WBBH or for a Cortland SOM; wherever they are, I would like to QSL them (Joe DiLeo, Waterbury CT)

WYMN, hrd 15/12 0702-0744* on 7427.2; I had the call as WYNN, but I hear that others had it as WYMN. Unique feature here was all-woman programming--country/folk mx w/W singers, and a W ancr (George Zeller, Ashland OH) Guess the call means 'women'

Underground 90 The mx was fine but the dirty jokes were too much, so the fedl Comms Dept shut down this pirate radio stn of a Burnaby man. "It usually bc for a few h on weekends, holidays and genl party days," dept spokesman Tony Tomayose said. "Every once in a while they'd have a party, pass the mic around and tell some jokes. "Some of the complaints we were getting concerned the quality of his jokes." Comms offfs, accompanied by RCMP, raided the man's apt and confiscated sophisticated elec eqp valued at more than \$3000 earlier this week. Stn carried a wide range of mx and the bc quality was fairly hi, the offfl said (Canadian Press, Burnaby BC, via Winnipeg Free Press, 5/1, via Doug Copeland, Winnipeg, Man)

WDX Sat morn 5/1, hrd this pirate on 1620 kHz; tuned in at 0705 and stayed with them until 0852*. Said bcng from an island off the US coast in "the Great Northeast". I suspect they were in the NY area. They were doing a live call-in show, and ancr Mike said it had been going on since 0500; xmsn began at 0200 w/mx. Gave phone number w/NYC area code, so I tried to get thru; sure enough, I lucked out and got to talk to Mike on the air for about 6 or 7 mins. I was the only caller from Western PA, but he had already rxd calls that night from Wash DC, Michigan and Canada. 1620 audio quality was excellent. I originally thought it was KPRC, another pirate hrd about a year ago on 1616, from NYC.

station

Besides some long fades, signals here averaged about "3". After ea call the phone loop had to be reset and rock mx would be played until this was done, and until he would get another call. The QSL



Broadcaster Bruce Quinn
Ex-"pirate" plans Delphi station

Blind former 'pirate' to reapply for legal radio

By LYNN FORD

A former "pirate" radio operator thanks "determination and patience" for the legitimate radio station he plans next year.

Those virtues helped Bruce Quinn cope with a handicap that once interrupted his dream of becoming a disc jockey. Born legally blind, he has 20/200 vision in both eyes and wears glasses with telescopic lenses.

A frustrated Quinn ran afoul of the Federal Communications Commission and vowed to "pirate" all the way.

But because of recent changes in FCC regulations, Quinn next month will request a license to open a legitimate FM station in his hometown of Delphi.

"A LOT of things have changed," said the 29-year-old Val-

parian native, who will ask that WXJR be the call letters for his new station.

In the 1970s Quinn was granted an FCC license that "the license limited the others he would be able to perform as a disc jockey."

"They felt my blindness would hamper my ability to work," he recalled during a recent visit to Indianapolis. "I was bitter about that."

Quinn also took issue with the cost of starting a legal radio station at the time. Citing a small number of available broadcast frequencies, the FCC "used money as the criteria for deciding who get on the air," he said.

SO QUINN opened a pirate station in Bloomington, where he lived at the time.

The pirate gag insignia — wood college listers with a delirium of country, rock and Irish folk tunes. The station's obituary humor fare made it a "mouthpiece" for Indiana University students who "had dropped out of society," joked Quinn. "It was the Mad magazine for the ears."

With Quinn as program director, Jolly Roger delayed 13 years to an estimated 10,000 AM, FM and short-wave listeners.

Students for the 1980 wall station were in Quinn's living room. It was started by about 100 volunteer disc jockeys, public relations and telephone people.

THE ILLEGAL station could not generate revenue by selling air time to advertisers, a practice which keeps most legitimate stations in the black.

"I ran it out of my own pocket."

said Quinn, a former Butler University broadcasting student, and WAJC-FM music director. "It cost about \$2,000 over the 13 years — \$800 in the final year alone."

The station's plug was pulled in a November 1980 raid by FCC authorities from Chicago. "They monitored our signal in Washington, D.C. and sent an engineer to shut us down," Quinn recalled.

"I never thought I'd get away with it. You're going to get caught if you're heard by a lot of people," Quinn, his chief engineer and at least one other staff member, were each fined \$250.

STILL, PIRATE busters couldn't keep Quinn down.

In January 1981, Quinn decided he still couldn't afford an FCC license and revived Jolly Roger, this time from a different Bloomington location.

The station's reincarnation lasted only six months because Quinn "came to view pirating as a sinking ship that had to be abandoned."

"It gets kind of scary running from the FCC," he said. Last year, Quinn visited England to study the possibility of starting an illegal station in London and found it would have been "a bad investment."

The British government had cracked down on pirates, making the future uncertain for one such station that has operated since the 1960s. Back in America, Quinn learned the FCC had ruled "blind endorsements" discriminatory and increased the number of frequencies available to potential broadcasters. He forged ahead with plans to request another license to bring an alternative FM radio to Delphi listeners.

addr was in MN. "Mike" said WDX is a member of "FUBAR" - the Federation of Unlicensed Broadcasters on American Radio. At s/off anmts from 0845 to 0850, Mike said listeners should write requesting the recipe for the stn's milkshake and that the 'construxion plans' 'd be sent along w/any other FUBAR info the writer requests. He also said WDX "conforms to the international 9 & 10 kHz AM spacing agreement." Oh, brother! They played "Who's Afraid of the Big Bad Wolf" (perhaps mocking the FCC) and finally closed with the US NA. I must say, I did enjoy the call-in pgm-- I love the spontaneity of it all. But exactly what does this milkshake consist of? WDX's carrier signed off at 0852, and within a minute, another pirate came on 1620 again. This one was called... (Chuck Kristan, Delmont PA)

R Maurania [sic; spelled previously as Morania], from what they said was the Republic of Maurania. Pgm was taped, 30 min long. Judging from sig quality, definitely not same xmtr that was used by WDX. Tho sig stronger than WDX's, suffered from long fades and some slight distortion. Pgm was spoof of a typical 30-min SW bc-- opened w/"Mauranian Hit Parade," songs recorded on the Mauranian record label. Just two short songs were played. At 0858, full ID, said pgm being beamed on SW and laser beams to N, S, E, and W America and Mars. 0903, "On the 6000th Trail", about the 6000-lb spaghetti harvest this year. Report was done from the capital of Maurania, Spaghetti City. Then "Mauranian Mailbag" w/fictitious letters, 0929 closing w/Maurania's NA. what else--a kazoo song. I found this pgm very funny. During mbg show, ancr said a QSL card will be sent to those who send their reports in "Local Mauranian Time, which is 59 seconds behind GMT". For some reason, every time ancr gave the actual QSL addr, his voice was faded out just long enough so that none of the listeners could make it out. Hmmm... (Chuck Kristan, Delmont PA)

PUBLICATIONS Australian Master Frequency Assignment Register In what seems to be an unprecedented move, the Dept of Comms is about to publish a register of all Australian registered fqs, to be known as AMFAR. Document'll be published in two forms, book and microfilm. Per dept it has become evident a register of Au fqs needed, particularly by users of the spectrum, for future planning and applications. It is envisioned that register'll be updated regularly, and'll encompass all fqs from VLF right up to the highest satellite fqs. There'll be only one type of omission, fqs used for strategic purposes. Users'll be named but no adrs given; also, last 3 digits of coordinates for each xmtr site will be omitted to give some protection to all the users. Now hopefully when the register is published we'll obtain a copy and'll be asking for a review of what's in it (Rob Williams, R Australia Talkback 10/2, via Frank Orcutt, Buffalo NY) I recall hearing, or seeing somewhere, perhaps ADXN that AMFAR in book form would be incredibly huge, so microfilm is the only practical method of obtention (gh)

IA-DXing, 3rd edition, 1985, just published by the Japanese club Radio Nuevo Mundo. It's a must for anyone interested in this subject. Very nicely printed 153p soft-bound book involving lots of detailed station info, pgm skeds, repros of logos, exact quotes of IDs; summary of 1983-84 loggings in Japan of IAmstns by fq; DX-ismo articles by Ralpus W Perry (station profiles), Relámpago DX Andino, account of Takayuki Inoue's extensive travels and visits to stns; v/s list; original DX map of Ecuador and Perú (fold-out) by Geoff Cosier; key to Peruvian call signs and political divisions. Two previous editions, 1980 and 1982, containing different material, are all sold out. Price is US\$7.00 for airmail delivery all over the world, or 13 IRCs per copy; no checks accepted; special price for bulk orders. From Tetsuya Hirahara, 5-6-6 Nukui-kita, Koganei-shi, Tokyo 184, Japan (gh)

Review of International Broadcasting A few copies of Issue 94, described in Jan LN, may still be available; two more issues are now out: #95 includes Honduras: A Personal View of TV in the Third World, by Don Moore; Central American Monitoring Report, by Vito Echevarría; Report from Perú, by Juan Carlos Codina; The World Through an R-70 (reflexions on SWling) by Paul A Gilster; Domestic Information & Associated Listening, by Kraig W Krist; Listener Insights on Programming, including CBC Ideas sked thru March; Broadcasts in English update; Radio Equipment Forum, edited by David Newkirk, in a special expanded 13-page edition with discussion of numerous topics including synchronous detexion, and the editor's critique of Larry Magne's RCI review of the FRG-8800. #96: R.E.F. deals with auto shortwave, i.a. LIP is extra large including lots of press reports, schedules, future plans, station background, program reviews, and as always, advance programming for March from BBC and Beijing; via FBIS edited by R Horvitz; Broadcasts in English update, and more. Each issue costs \$1.50 as a sample, or you may begin your subscription with any of them still in stock, for \$18 (12 issues), in the US, US\$21 in Canada; overseas airmail US\$22, 24, or 26 depending on zone/distance. Remittances from abroad, including Canada, must be not only in US funds but drawn on a US bank; or via postal money order in US\$; from: R.I.B., Glenn Hauser, Box 490756, Ft Lauderdale FL 33349 USA (gh)

LAST MINUTE ITEMS

ALGERIA Hrd R Algiers announce on 2000 EG bc a few days ago a new fq sked: 17745 15160 9640 9510; all hrd exc 15160 which has strong co-channel QRM, w/17745 best; reception has been sporadic last several months (Greg A Jordan, Gastonia NC, 15/2) Nmmts unreliable

ARGENTINA Latest survey of BsAs stn popularity shows R Rivadavia in firstplace by far w/32.8% of audience; 2nd is R Mitre, 790 w/20.4%; 7th place is Uruguayan R Colonia, 552 kHz with 4.5%(Nov-Dec LADXR) Refers to 630 kHz for Riv, but also wellknown to SWLs for SSB feeders, and it's the identity of the following (gh) Trying for Antarctic net on 9106 instead hrd SP pgm on 9115 SSB 3/2 2345, again 10/2 (Mark Wms, ID)

AUSTRALIA New NT SW svc from ABC, expected on air later this year; 50 kW xmtrs at Alice Springs, Tennant Creek, Katherine; pgms originate in Alice and Darwin ABC studios; primary cov of NT w/vertical incidence ants beamed upward in contrast to normal low-angle SWBC for long distances; two fqs each, one day, another for night and morning, between 2.3 and 9.8 MHz (Engineers Australia 25/1 via ADXN Feb)

BOLIVIA Radio Nueva Stentor, reactivated in Nov on same fq 6195; hrd arnd 1030; note addn of 'Nueva' to ID due to new Director-Gerente, Raúl Cotacora Córdoba; studios in Avenida Manco Cápac 434, La Paz (LADXR) R Galaxia, Guayaramerín, Beni hrd on 4500 25/1 *1000 ex-5190; R Abaroa, Ríberalta on 4718 ex-4720 19/1 1820; R Huanay [sic, note spelling], Huanay, La Paz 19/1 2010 on 4765 ex-4730. R Machupo, San Ramón, Beni, regular weekends on 5450, as 20/1 0118. R Stentor, La Paz, RF 6195 19/1 1700-1715*. R 23 de Marzo, Tupiza, Potosí, very weak sig on 9272, 18/1 1820. R Urkupina [sic], QTH unknown, testing Sat and Sun 0020-0240* 16/1, 26/1, 27/1; announced bcs in Feb (Rogildo Fontenelle Aragao, Bolivia DX Club, Cochabamba, via Play-DX 11/2)

BRAZIL A new SW stn hrd on 90mb, R Bandeirantes, Cachoeira Paulista, on 3285, hrd around 0000 (Nov-Dec LADXR, Argentina) Same stn as on higher fqs? (gh) R Verdes Florestas [sic], 4865, ex-2350 w/5 kW reported active, hrd in Brasil by A R Da Motta, (Finn Krone, DSWCI via PLAY-DX, 4/2) R Rio Grande do Sul has changed name to R Pampa; on 6080 9520 11895; sked to 2200*, from Porto Alegre (ibid.) R Difusora Sena Madureira, nom 4115, hrd on 4100 29/1 0028; sked 1000-0230 (Rogildo Fontenelle Aragao, Bolivia DX Club, via Play-DX 11/2)

CANADA The transcription service of RCI has been virtually disbanded; programming changes on RCI go into effect 9-10 March, basically conversion to common programming on different regional services: Sat, a 55-min Canada à la Carte, w/variety of features; Suns, 55-min mbg 'Listeners' Corner' (Ian McFarland, SCDX bc 19/2)

COLOMBIA R Nacional hrd on 17712 ex-17717, 10/2 1730 (Chuck Oliver, Spring TX)

CUBA R Rebelde, 5025, and MW including 690, hrd 18/2-19/2 w/plugs almost every hour for some sort of DX listening contest 24/2 1400-2300 UTC; seems to have something to do with monitoring a 2nd SW fq for the stn, 7035, where nothing hrd so far (note both fqs have numericalogical similarity of first half of fq being double 2nd half); under auspices of Federación de Radioaficionados de Cuba; address for entries rxd by mid-March is Apartado 1, La Habana 1; separate SW pgming may be involved during the contest (Ronald F Schatz, Pompano Beach FL) & prize is a multi-band radio; SWLing OK now? (ibid.) 5025 had PBS' Robin McNeil iv w/Castro, SP track, 20/2 2111 (gh)

DENMARK Final definite M85 sked from R Denmark: 10-1052 Japan/FE 9730. 11-1130 Pac/Greenland 11960. 12-1252 Au/Sas 11960. 13-1352 ENAm 15165. 14-1452 SEu/Waf 15165. 15-1552 ME/Eaf 15165. 16-1652 WNAm 11835. 1730-1830 Pac/Gnld 11835. 20-2052 SEu/Af 11705. 21-2152 Pac/Gnld Sat/Sun; 21-2115 & 2130-2145 M-F Pac/Gnld/SEu/Af 11705. 22-2252 SAM 9765. 23-2352 Carib/SAm 11715. 00-0052 ENAm 9730. BCs at 1100, 1730, M-F 2100 are relays of HS (Bob Padula, Feb ADXN)

ECUADOR see PERU next p

FRANCE RFI hrd on 9800 4/2 0245, SP mx & anmt; into FR 0300; first hrd on this fq (Chuck Oliver, Spring TX) Probably a relay, Gabon or French Guiana (gh)

GABON R Japan relay as from 3/3 moves to 21550, EC-1500-1600 (SCDX 19/2 bc)

INDIA AIR at 2200-2300 has moved from 9912 to 9910 (GDR reporter to SCDX 19/2 bc)

ITALY R Nuova Musica, Pordenone, 7480, hrd w/test xmsn 1000-1200 27/1 // normal FM fq (R Kirk, Frankfurt, W Germany, Play-DX 4/2) We have checked for this in Italy but nothing hrd so far; other nx on this welcomed! (Play-DX 4/2)

IVORY COAST 4940 and 11920 are inactive; 7215 only fq hrd (Jean-Jacques Bloch, visiting West Africa, SCDX bc 19/2)

KENYA Registrations for apparent new 250 kW xmtrs for possible intro during M85, tentatively: 1230-1530 6050 7225; 1530-1930 9655 11745; 1930-2130 6050 7225 (Media Network, via Terry Robinson & Pat McDonald, Feb ADXN)

MEXICO XERMX, R México [Internacional], sked 5985 & 11770 at 1300-1700. 17765 at

2000-2300 & 0300-0500, 9705 at 2000-0445, 15430 at 2000-0500. The DX pgm "Visión DX desde México" is on the air Mon-Sat 0435, daily 1530 & 2130 (Ravin Sewdien, Suriname, Play-DX 4/2)

NEW CALEDONIA Nouméa audible on 666, 3355 and 7170 kHz at 1000; 11710 hrd at 0800 but blocked by KFBS after 0900 (Arthur T Cushen, MBE, RMN 7/2)

PERÚ New stn R Frecuencia Siete (7) hrd on 7010.1 12/2 2100-0400; is in Celendín, Cajamarca. R Ondas del Oriente, Nuevo Progreso, Huallaga, San Martín, also new on 7310.5, hrd 13/2 2015. R Grau, Huancabamba, Piura, hrd on 4004.9 but announcing 4010; at 2100-2330; said would return at *0800. R Tacna on 6562.8, ex 9500. R Selva on new 7196.7. R Yungay on 3037.7. ECUADOR [my mistake in leaving it out above -gh] Radio RJ-uno, Guachanamá, Loja, has been renamed R Omega, R-G (Juan Carlos Codina, Lima Perú, before departing for a 3-year stay in Berne, Switzerland)

It has been announced that the state stn R Nacional del Perú will very soon start being on intl fqs, for which installation of high-power xmters is now being completed in the southern part of Lima; this project is being carried out with technical and economic cooperation from West Germany. R Nacional will also begin FM bcs for the first time, from 41 locations in Perú, thanks to a satellite distribution system to be inaugurated very soon; this will be the first stn to cover such a great part of the country on FM (Mery Blas, Lima, Play-DX 4/2) Remember 9562?

SAIPAN KFBS tentative M85 registrations from ITU THFBS: 9535 18-19, 9555 17-18, 9605 17-19, 9610 14-16, 9630 11-14, 9675 21-22, 9715 19-20, 9720 22-23, 11705 17-18, 11740 22-24, 11790 21-22, 11825 14-16, 11900 16-17, 11915 09-11, 11920 11-14, 15125 12-13, 15135 22-23, 15145 13-16, 17875 00-02, 17885 00-01 (Bob Padula, ADXN) Note Behr's comments at top of page, 8 pages back. Staying on each fq only 1, 2 or 3 hours at a time is a tactic of debatable effectiveness (gh)

SRI LANKA [cf sked 8 pages back] Info for Trincomalee relay is causing confusion in the DX world! Sked showing 2 xmters simultaneously was thought to reflect use of 2nd hi power xmtr on test; but ILG Newsflash says the 2nd is only a standby 10 kW unit, and the 250 not op! until end of Feb. DW reportedly issuing spl QSLs for these tests (Bob Padula, Feb ADXN)

SYRIA I've been trying to hear the R Damascus 1200 xmsn to Nam on 17510 a few times w/little success. 2005-2105 to Eu is somewhat regular on 11685; 14/2 quite clear & ancr referred to listeners in "Eu & US & Canada" so they may have given up on 1200 for now. But there is usually very strong ute on 11685; the first time I hrd them, ancr requested us 'dear listeners' to send in reports at least four times. 14/2 bc lacked US/Western mx dominance that appeared on earlier xmsns. I'm glad they finally started EG svc; now maybe we SWLs can gang up and get Iraq to do something about that 0300 bc [on 21585, incredibly above the MUF] (Greg A Jordan, Gastonia NC)

UNITED ARAB EMIRATES [by the way, previous LN had this under ABU DHABI] Voice of the UAE has fired up new very high powered xmtr. first noted on 4800 1900-2100 21/1. then it disappeared! Reappeared on 9850 at 1400 [22/1?], then came up again on 4800 6/2 1928-1958* [so probably unhrd in Nam]. Asks for reports, has EG anmts (Bob Padula, ADXN) unID big carrier and test tone noted 24/1 2215 on 4805, 2230 on 4825, and at 2245 on 4835; maybe Abu Dhabi testing? Very strong (C Gibbs, UK; L Villari & P L Villa, Italy, Play-DX)

U S A WRNO final M85 [only slightly differing from D84, i.e. 6155 ex-6185 at 0600-0800]: 1600-1800 15420 Nam; 18-22 15420, 22-24 11890, 00-03 7355, 03-06 6185, all to Nam/Eu. Sun only 06-08 6155 & 08-12 6185 Nam & N Atlantic; 12-14 9715 & 14-16 11965 to Nam. Between 0200 UTC 27/4 and 0100 UTC 5/5, sked shifted for DST to: 15-17 11965, 17-22 15420, 22-24 11890, 00-03 7355, 03-05 6185; Sun only: 05-06 6185, 06-08 6155, 08-11 6185, 11-13 9715, 13-15 11965 (George Jacobs, PE, 15/2) Regardless of the fq sked shifts, all programming shifts one UTC hour earlier during DST. For those who may not be aware, WRNO carries a weekly 30-min DX pgm produced by your LN editor, WORLD OF RADIO; normally there are three different opportunities to hear it each weekend, for your convenience & in case there are propagation problems, transmitter difficulties, or pre-emptions; W.O.R. will help keep you informed and up to date on SW and other DX news! GMT Sat 0530 on 6185; GMT Sun 0230 on 7355; Sun 1400 on 11965; and one hour earlier on same fqs during DST. Also carried at different times by WPKN Bridgeport CT, KUWR Laramie WY and KSCV Kearney NE; if you're in the coverage area of these FM stns, ask them for details (gh)

VATICAN VR seems to have deleted funny fq of 7337 for 7385, Eu 1730-1815 9/2 (ADXN)

ZAMBIA No problem hearing famous Fish Eagle IS from ZBS 4810 3/2 0345, but pgm unintelligible (Mark L Williams, Emmett ID) CLANDESTINE La Voz del CID has daily anti-Surinam pgm in Sranan-Tongo 2030-2045 on 9940v (J C Codina, Perú) R Free Surinam??(gh)

QSL REPORTS

Sam Barto, NASWA QSL Editor
47 Prospect Place, Bristol, CT. 06010



ALASKA: KNLS 7355 f/d cd. in 15 ds. for ms. (Thim-CT).
ALGERIA: RTVA 17745 cd. in 3 mo. (Merrill-ME).
ARGENTINA: RAE 15345 f/d cd. w/ pennant in 45 ds. (Gurley-TX). same w/ pennant in 41 ds. (Levison-PA).
* Radio Rivadavia 4588 f/d cd. in 29 ds. for a SP rpt v/s Ing. Jorge Armando Falcone, Gerente Technico. (Rigas-IL).

ARGENTINE ANTARTICA: Radio Nacional LRA36 15474 f/d cd. in 2 mo. for a SP rpt. Tourist information rcvd. (Barto-CT).

ASIATIC RUSSIA: Radio Moscow 12050 via Khabarovsk f/d cd. in 64 ds. (Thim-CT). same in 37 ds. (Barto-CT).

AUSTRALIA: Radio Australia 9580 via Shepparton "Wattle" cd. in 23 ds. (Handler-IL). 21720 via Darwin f/d cd. in 36 ds. via SF address. (Bishop-PHIL). 9770 and 9580 same cd. in 3 mo. (Schulman). VLW9 9610 via Perth f/d "Map" cd. in 58 ds. (Handler-IL).



BELGIUM: BRT 5910 f/d cd. in 35 ds. (Levison-PA). same in 45 ds. (Handler-IL).

BOLIVIA: Radio Santa Cruz 6139.8 f/d blue cd. in 5 1/2 wks. for a SP rpt. v/s Jose Ros Izquierdo. Addr: Casilla 672, Santa Cruz de la Sierra. (Valko-PA).

BONAIRE: Trans World Radio 9535 f/d "Harbor Scene" cd w/ sticker in 20 ds. for 2 IRCs. v/s Ann Meyer.

(Forsgren-WI). f/d "Kralendijk" cd. in 17 ds. for 2 IRCs. (Wilkins-CO). 11875 f/d "Facility" cd. in 37 ds. for \$1.00US. v/s Armando Rone Arroyo.

BRASIL: Radio Nacional do Brasil 15290 f/d "Palacio do Itamaraty" cd. in 51 ds. for 1 IRC. v/s Denise Uchoa. (Brouillette-IL).

* same in 22 ds. (Forsgren). Radio Clube Varginha 3245 p/d cd. in 52 ds. for a PT rpt. on a 75 reception. (Barto-CT). Radio Borborema 5025 p/d cd. w/ personal ltr. in 42 ds. for a PT rpt. v/s Paulo Bertrand M. de Carvalho, Gerente. (Barto-CT). n/d ltr. in 6 wks. for a PT rpt. and 1 IRC. (Gliksman).

Radio Bandeirantes 11925 n/d ltr. in EG in 80 ds. for a PT rpt. and ms. Sticker rcvd. v/s Salomao Esper (Plum-NJ). Radio Rio Mar 9695 p/d cd. in 38 ds. for a PT rpt. and ms. (Dillon-DC). Radio Surinam International 17755 via RadioBras f/d cd. in 1 mo. for an EG rpt. (Swaringen-NC). Radio Universo 11905 f/d ltr. in 132 ds. for a PT rpt. and 1 IRC. v/s Luiz Andreu Rubio, Director. (Schmitz-FRG).

BULGARIA: Radio Moscow 7210 via Sofia f/d cd. in 64 ds. (Thim-CT). Radio * Sofia p/d cd. in 54 ds. (Handler-IL).

BYELORUSSIA: Radio Minsk 9795 f/d cd. in 166 ds. (Schmitz-FRG).

CAMEROON: Radio Nationale 9745 "Map" cd. in 1 yr. for 1 IRC. (Schmitz-FRG). 4850 same in 1 yr. for 1 IRC. (Schmitz).

CANADA: RCI 5960 f/d cd. in 1 mo. (Schulman). cd. in 24 ds. (Dillon-DC). 9755 f/d cd. in 24 ds. (Brouillette-IL).

CELEBES: RRI Ujung Pandang 4719 f/d cd. in 1 mo. for an IN rpt. and 1 IRC v/s H.A. Nyongki. (Gliksman-IL).

CHAD: Radio Nationale 4904 p/d form ltr. in 2 mo. for a FR rpt. and 2 IRCs. v/s Danrhet Qualbadet. (Paszkievicz-WI).

 РАДИО МОСКВА RADIO MOSCOW	
Dear Mr. Rigas,	
This verifies your report on the reception of Radio Moscow's Broadcast _____ in English _____	
Date	27.12.82
Time	22:00 GMT, 16:00 GMT
Frequency	7175 kHz via Gorky



The U.S. Information Agency is pleased to confirm your reception of the program broadcast by its

VOICE OF AMERICA

TRANSMITTED FROM Washington, DC

ON January 16, 1965

SIGNED John J. Schmitz



VERIFICATION SIGNERS: Radio Libertad de Junin 5040 Mauro Chaccha G., Director-Gerente. Radio Libertad de Trujillo 4910 Carlos Burmester B., Abogado Director Gerente. Radio Damascus 7430 Mrs. Awatef Haffar. Radio Barquisimeto Morela Pernalette, Secretaria. Radio Lara 4800 same as above. La Voz del Tigre 3254 Rafael Guevara, Director. La Voz del Tropico 4458 Oskar Ustariz Arandia, Director. Radio Iguatemi Osasco 3295 Joaquim Gutier Navarro Filho, Director. Radio Nacional Manaus 4845 Eudson Monteiro de Lima. Radio Clube Marilia 3235 Jose Marques Beato. A Voz de Oeste 4775 Celso Castilho. Radio Por um Mundo Melhor 4855 Marcia Regina, Secretaria. Radiodifusora Acreana 4880 Sales Junior. Radio Douala 4795 Regine Ndofo, Secretaria....Txn PLAY-DX....Sam.

CHAD: Radio Nationale 4905 p/d form ltr. in 30 ds. for a FR rpt. and ms. (Mann-IA).

CHINA, PEOPLES REP: Radio Beijing 11860 f/d cd. w/ tote bag in 16 ds. (Brouillette-IL). 9880 f/d "Tai Ho Hall" cd. w/ pennant in 24 ds. (Forsgren-WI). f/d cd. in 23 ds. (Handler-IL). 11680 f/d cd in 44 ds. (Henschen-IN). CPBS-1 5915 "Fishing Boat" cd. in 40 ds for a CH rpt. (Forsgren-WI). 4750 f/d "Parade" cd. w/ pennant in 6 wks. (Swarinngen-NC). Fujian PBC f/d cd. in 2 mo. for 2 IRCs.

(Sgrulletta-NY). Xinjiang PBS 4735 Urumchi f/d "Native Costume" cd. in 2 mo. for 2 IRCs. (Sgrulletta). Huehot PBS 6974 f/d cd. in 2 mo (Sgrulletta-NY). **CLANDESTINE:** Radio Ignacio Agramonte 5106 f/d cd. in 27 ds. etta-NY). for a SP rpt. and ms. (Wilkins-CO). Radio Antonio Guiteras 7352 f/d cd. in 27 ds. for a SP rpt. and ms. (Wilkins-CO). Radio Maximo Gomez 11700 f/d cd. in 27 ds. for a SP rpt. and ms. (Wilkins-CO). Radio Camilo Cienfuegos 7352.5 f/d cd. in 43 ds. for a SP rpt. (Barto-CT). 9939.3 f/d cd. in 27 ds. for a SP rpt. and ms. (Wilkins-CO). La Voz del CID 11700 f/d cd. in 2 wks. for an EG rpt. and ms. (Schulman).

COLOMBIA: Radio Super de Medellin 4875 p/d ltr. in 55 ds. for a SP rpt. v/s Ismael Ochoa M., Gerente. (Barto-CT).

CUBA: RHC 17705 f/d cd. in 214 ds. v/s Francisco Luna, Head of Correspondence. (Dillon-DC). 6123 f/d "Oasis Hotel" cd. in 99 ds. (Wilkins-CO). Radio Moscow 11840 cd. in 52 ds. (Handler-IL). **CZECHOSLOVAKIA:** Radio Prague 5930 f/d cd. in 1 mo. w/ postcards and schedule. (Eckert-PA).

ECUADOR: Radio Catolica Nacional 5055 n/d ltr. w/ pennant in 58 ds. for a SP rpt. and ms. v/s Diana Garcia A., Secretaria General. (Forsgren-WI). same w/ pennant in 64 ds. for a SP rpt. and ms. (Dillon-DC). same w/ pennant in 10 wks. (Valko-PA). Ondas Azuayas 4980 p/d "Cuenca Cathedral" cd. w/ pennant in 667 ds. for a SP rpt. and ms. v/s Gilberto Villavicencio Ll. (Reinstein-FL). HCJB 17790 f/d cd. in 45 ds. for US ms. (Handler-IL). f/d "Mt. Cotopaxi" cd. in 5 mo. (Schulman). HD210A 7600 f/d cd. in 39 ds. for a SP rpt. (Barto-CT).

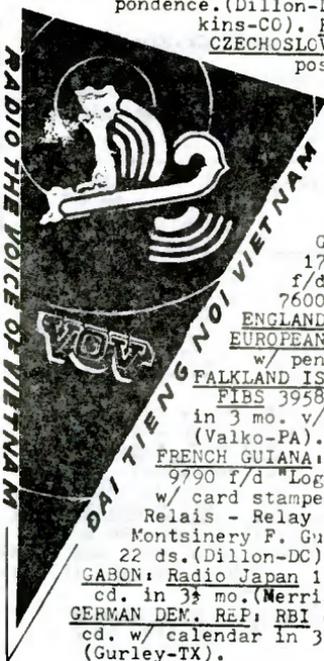
ENGLAND: BBC n/d "Bridges" cd. in 23 ds. (Handler-IL). **EUROPEAN RUSSIA:** Radio Moscow 7100 via Armariv f/d cd. w/ pennant in 64 ds. (Thim-CT).

FALKLAND ISLANDS: FIBS 3958 f/d cd. in 3 mo. v/s M. Ross (Valko-PA).

FRENCH GUIANA: RFI 9790 f/d "Logo" cd. w/ card stamped "Centre Relais - Relay Station Montsineri F. Guyane" in 22 ds. (Dillon-DC).

GABON: Radio Japan 15300 f/d cd. in 3 mo. (Merrill-ME).

GERMAN DEM. REP: RBI 6080 f/d cd. w/ calendar in 35 ds. (Gurley-TX).





PAPUA NEW GUINEA: Radio west Sepik 3205 p/d ltr. in 57 ds. v/s Ralph Moium. (Bishop-PHIL).

PERU: Radio Madre de Dios 4950 n/d personal ltr. in 1 mo. for a SP rpt. v/s Juan Jose Larraneta O.P., Director. (Valco-PA). Radio Los Andes 5030 f/d cd. w/ personal ltr. in 5 $\frac{1}{2}$ mo. for a SP rpt. and 3 IRCs. v/s Pablo J. Cardenas Valverde, Gerente-General. (Loudell-TN). Radio Oriente 6190 p/d cd. w/ personal ltr. in 49 ds. v/s Prof. Ricardo Arevalo Flores, Administrador-Director Artistico. (Barto-CT). Radio Libertad de Trujillo 4910 p/d cd. w/ personal ltr. in 37 ds. for a SP rpt. v/s Carlos Burmester B., Director-Gerente. (Barto-CT). Radio America 9510 f/d cd. in 43 ds. for a SP rpt. v/s Luis Angel Pinasco, Gerente. (Barto-CT).

PHILIPPINES: VOA 6110 f/d cd. in 16 ds. (Clifford-CA).

POLAND: Radio Polonia 7125 f/d cd.

in 2 mo. w/ schedule. (Merrill-ME).

PORTUGAL: Radio Renascenca 11730 p/d "Antenna" cd. in 76 ds. for a PT rpt. and 2 IRCs. (Wilkins-CO). same in 10 wks. for an EG rpt. and 3 IRCs. (Loudell-TN).

QATAR: QBS 17910 p/d cd. in 50 ds. for 3 IRCs. v/s Jassem Mohammed Al-Qattan. (Paszkiewicz-WI).

RIO MUNI: Radio Nacional de Bata 4926 f/d "Map" cd. in 69 ds. for a SP rpt. and 1 IRC. (Schmitz-FRG).

ROMANIA: Radio Bucharest 9510 f/d cd. in 15 wks. for 3 IRCs. (Loudell).

SAIPAN: KFBS 15525 f/d cd. in 28 ds. v/s Mrs. Rose Bower. (Speer-CA). same in 17 ds. (Clifford-CA).

SINGAPORE: Radio Singapore 5010 and

5052 f/d cd. in 1 $\frac{1}{2}$ mo. (Barto-CT).

SOUTH AFRICA: Radio RSA 9615 f/d cd. in 19 ds. for ms. (Loudell-TN).

f/d "Drakensberge" cd. in 20 ds. v/s Colin Miller. (Paszkiewicz-WI). 11900 and 9585 cd. in 25 ds. (Levison-PA). 9585 f/d cd. in 16 ds. (Handler-IL). SABC 3250 f/d cd. w/ sticker in 5 wks. for 1 IRC. (Swaringen-NC). Capital Radio 3930 f/d cd. w/ ltr. in 72 ds. v/s J. Van Hoogstraten, Director of Technical Services. (Barto-CT).

SPAIN: Radio Exterior de Espana 7450 f/d cd. in 79 ds. (Levison). 9630 f/d "Parador Nacional de Alarcón" cd. in 1 mo. for 2 IRCs. (Loudell). f/d "Castillo de Gormaz" cd. in 57 ds. (Speer-CA).

SWAZILAND: Trans World Radio 5055 f/d folder cd. in 34 ds. for 3 IRCs. (Green-TN). Swazi Radio 4980 f/d cd. in 98 ds. for 2 IRCs. v/s Derek Shaw, Technical Director. (Schmitz-FRG).

SWEDEN: Radio Sweden International 6065 f/d "EDXC-84" cd. in 19 ds. v/s Ulla Ungermark. (Handler).

SWITZERLAND: Swiss Radio International 9885 p/d cd. in 5 wks. for 2 IRCs. (Loudell). Red Cross Radio 9635 f/d "Globe" cd. in 3 wks. for 1 IRC. (Gliksman-IL).

VOICE OF INDONESIA

VERIFICATION CARD

Dear MR JOE TALBOT
 This is to verify your report dated SEPT 2ND 83
 in our ENGLISH language broadcast
 on a frequency of 11790 kHz.
 Thanks for listening.

LANGUAGE	G.M.T.	W.I.T.
English	(I) 01.00-02.00	08.00-09.00 *
	(II) 06.00-09.00	15.00-18.00
	(III) 15.00-16.00	22.00-23.00
Indonesian	(I) 02.00-03.00	09.00-10.00 *
	(II) 12.00-13.00	19.00-20.00
	(III) 09.00-10.00	16.00-17.00
Malaysian	09.00-10.00	16.00-17.00
Mandarin	10.00-11.00	17.00-18.00
Thai	11.00-11.30	18.00-18.30
Japanese	11.30-12.00	18.30-19.00
French	13.00-14.00	20.00-21.00
Arabic	14.00-15.00	21.00-22.00
German	16.00-17.00	23.00-24.00
Frequencies	11,790 kHz = 25.4 m	
	15,150 kHz = 19.8 m	
*) Fortified by	9,680 kHz = 31 m	

"Iana Torani", one of the tourist resorts in South Sulawesi. Besides its scenic surroundings and its specific type of houses, it is also shown here a group of young boys and girls performing a ritual dance at a traditional ceremony conveying the wish for affluent harvest.

THAILAND: Radio Thailand 9650 f/d "Fruit Market" cd. in 101 ds.

TOGO: Radio Togo 5047 f/d "Globe and Map" (Bishop).

cd. in 27 ds. for 3 IRCs.(Loudell-TN).

TURKEY: Voice of Turkey 11755 f/d "Izmir" cd. w/ pennant in 3 wks. for 3 IRCs.(Loudell). Turkish Police Radio 6340 f/d cd. in 22 ds. for 1 IRC.(Schmitz-FRG).

UGANDA: Radio Uganda 5027 f/d "Broadcasting House" cd. in 39 ds. for 4 IRCs.(Schmitz-FRG).

UKRAINIAN SSR: Radio Moscow 7150 via Lvov f/d cd. in 64 ds.(Thim-CT). 7110 via Ivano-Frankovsk f/d cd. in 64 ds.(Thim).

UNITED ARAB EMIRATES: Radio Dubai 15300 f/d folder cd. in 49 ds. (Merrill-ME).

USA: WVW 5000 p/d folder cd. in 13 ds.

(Schulman). 15000 f/d "Indian" cd. in

* 27 ds.(Handler-IL). KCBI 11790 f/d "World Map w/ Beam" cd. in 10 ds.(Valco-PA). same

in 16 ds. for ms.(Gavaras-MN). KGEI 15280 f/d cd. in 48 ds. for ms.(Schulman). f/d "Cable Car"

cd. in 43 ds.(Handler). Voice of Free China 5985 via WYFR f/d "Year of the Rat" cd. in 46 ds.(Handler)

same in 21 ds. w/ schedule.(Levison-PA). 15270 f/d "Chinese Character" cd. w/ tie tack in 23 ds.(Simmacher).

WINB 15185 f/d cd. in 50 ds. for ms.(Levison-PA). same in 35 ds.(Handler). United Nations Radio 15120 via Greenville f/d

cd. in 5 ds.(Swaringen-NC). 17730 f/d cd. in 21 ds.(Handler). WYFR 7355 f/d "Logo" cd. in 74 ds. for ms.(Brouillette-IL). WRNO 11890 p/d cd. in 16 ds.(Handler). VOA 6040 via Dixon f/d "Lighthouse

cd. in 13 ds.(Stephany-NY). 5995 via Greenville cd. in 1 mo.(Renfrew).

USA(Pirate): KRZY 7430 f/d ltr. in 70 ds. for ms.(Plum-NJ). Voice of Tomorrow 6240 f/d cd. in 55 ds. v/s Allan Pearson.(Rigas-IL). Radio Wood-

* land International 7355 f/d form ltr. in 1 mo. for ms.(Hohnstein-NE). Radio Data-

base International via ARRTS on 15430 and VOA on 26040 f/d photo

of 5/30/84 solar eclipse in 6 mo. for ms. v/s David D. Meisel.

* (Palmerheim-MN). Radio North Coast Internat-

ional 7383 f/d cd. in 38 ds. for ms. 200 w-

atts! (Plum-NJ). 7425 f/d cd. in 40 ds.(Rigas-IL). f/d blue data cd. in 40 ds. for ms. 250 watts.(Gavaras-MN). 7424 f/d cd. in 7 wks. for ms.

* (Palmerheim-MN). Secret Mountain Laboratory 7412 f/d ltr. in 66 ds. for ms.(Rigas-IL). 15073 f/d form ltr. in 26 ds. for ms.(Forsgren-WI). Radio Soundwave 7425 f/d cd. in 2 mo. for ms.(Swaringen-NC). cd. in 24 ds. 150

watts.(Reinstein-FL). f/d cd. in 21 ds. for ms.(Sgrulletta-NY).

URUGUAY: Radio El Espectador 11835 p/d cd. in 101 ds. for a SP rpt. and 3 IRCs.(Paszkiwicz-WI).

USSR: Radio Moscow 17810 p/d cd. in 39 ds.(Levison).

7320 f/d cd. in 1 mo.(Eckert-PA).

UZBEK SSR: Radio Tashkent 11785 f/d "Map" cd. in 60 ds.(Swaringen)

5945 f/d cd. in 38 ds.(Levison).

radio veritas asia
Verification Card

29 November 1984

MR. RICHARD Z. DAVIS

Your reception report of our English Broadcast on 9.670 MHz in the 31 MHz on 13 November 1984 from 1500 UTC to 1530 UTC has been verified against our log and found to be correct.

Thank you for your report. Please write again. We welcome more reports, comments and suggestions from you. With best wishes and happy listening!

Sincerely yours,
MS. GLEDFE R. LABINDAO
Audience Relations Officer



CROSS AND ARMS
The 15th century witnessed a fermenting movement in the Philippines. Filipino culture, Asian in its origin and orientation, found itself losing the impact of Western culture, becoming the subject of foreign colonizing ambitions. The coming of Spain brought about the introduction of Christianity in the islands, a faith that was to change profoundly the life of the Filipino.

Rich Davis

radio veritas asia
P.O. BOX 339, MANILA, PHILIPPINES

the Voice of Asian Christianity





JERRY A. LINEBACK, Editor
115 WROXTON
CONROE, TX 77304

MARCH 1985

Greetings to all Frenx readers. We are happy to present the first quarterly Scoreboard for 1985. This month the Spotlight is on North America. Remember that C/H = countries heard and C/V = countries verified. All counts are by the NASWA Radio Countries List and rules. Next deadline is 15 May for the June Frenx and the Spotlight will be on Oceana. You must update your totals at least once a year to remain on the Scoreboard.

Name, state	Total	NA	Best	QSL	Name, state	Total	NA	Best	QSL			
	C/H	C/V	C/H	C/V		C/H	C/V	C/H	C/V			
John Tuchscherer, WI	229	28		CFRX	Troy Gower, IL	190	167	16	16	Greenland		
Sam Barto, CT	227	217	24	4 R. Polaris	Henry Ward, Que.	190	166	27	27	Martinique		
Irving Johnson, CA	226	62	22	4 Greenland	Martin Foltz, MI	188	151	21	21	R Commercial		
Bob Padula, Aust.	223	217	20	20	C. Vernon Hyson, NC	187	170	24	23	Martinique		
Edward Kusalik, Alb.	220	206	23	21	Turks	David Swaringen, NC	187	151	18	17	El Salvador	
Bryan Clark, NZ	219	203	21	21	CKFX	Jerry Lineback, TX	186	107	18	12	Turks	
Al Sizer, CT	218	218	22	22	Panama	Stephen Leite, MA	185	158	16	14		
Marlin Field, MI	218	217	23	23	CFRX	John Huniwell, NJ	184	177	20	19	Belize	
Jerry Berg, MA	218	216	24	24	Montserrat, direct	Robert Fleck, TX	184	155	19	17	Grenada	
						John Bryant, OK	182	141	16	12	CFRX	
Tom Williamson, Ont.	217	202	25	24	R. Swan	Mike Hardester, NC	181	166	18	17	Turks	
Bill Sparks, CA	215	211	19	19	Panama	Harold Cones, VA	181	155	19	19	ZQ1 Jamaica	
Gerald Bishop, Phil.	214	182	21	20	CKFX	Del Fye, FL	181	152	18	17	Belize	
Nobuaki Takahashi, J.	214	179	17	12	CKZU	Gordon Blom, NY	181	150	19	19	Swan Is.	
Tom Gavaras, MN	213	203	21	19	Turks	Steven Lare, MI	180	133	19	18	CKFX	
Terry Krueger, FL	212	139	21	18	Turks	Harley Cress, VA	180	8	19	1	Turks	
Al Miller, OH	211	203	21	20	Turks	Nelson George, NC	177	140	18	16	HRPC	
Victor Jaar, Que.	209	4	22	1	Greenland	Hans Johnson, TX	176	126	14	9	Nicaragua	
William Flynn, CA	207	196	24	24	Greenland	John Meyer, WI	175	130	18	16	CKFX	
Larry Abraham, MI	206	191	22	21	Greenland	Walter Kunz, PA	173	95	17	11	VoPyramids	
Robert Wilkner, FL	205	145				Ken Cobb, ME	171	126	18	16	CKFX	
Mike Nikolich, IL	203	159	21	18	Greenland	Bob McCoy	170	87				
John Sgrulleeta, NY	202	202	22	22	CKFX	Michael Schmitz, FRG	169	132	14	12	R Chortis	
Chris Lobdell, MA	202	199	23	21	Turks	Don Hosmer, MI	169	127	19	16	Swan Is.	
Paul Buer, FL	202	187	21	19	CKFX	John R. Tow, AL	169	126	19	18	Swan Is.	
Dave Valko, PA	202	162	14	11	CKFX	Mark A. Duba, VT	169	123				
Brett Saylor, PA	202	119	19	14	CKFX	Morley Kirkland, Ont.	168	152			16	El Salvador
Henry Lazarus, LA	200	196	22	20	Onda Musical	Pasquale V. DiBiase, ME	165	111				
C. J. Orekar, CA	200	191	22	22	Greenland	Christos Rigas, IL	164	137	18	18	Grenada	
Steve Reinstein, FL	200	156	18	15	R Cuba Libre	Rick Krzemien, IL	163	126	18	16	Belize	
Vladimir Cucura, PA	200	107				Bob Streeter, NY	162	123				
Mark Koukol, IL	199	174	20	19	Turks	Dan Miller, WI	160	23	18	3	KQSB	
Ron Howard, CA	184		21		XEXQ	David Jones, VA	159	137			R Mexico Int	
Terry Palmersheim, MN	196	162	19	19	Greenland	Tom Laskowski, IN	159	119				
Robert Vance, FRG	192	174	17	16	Newfoundland	Paul Choroszy, ME	158	121	15	12	Belize	
Richard Davis, CO	190	173	21	20	Panama	Larry Cunningham, OH	158	56	18	7	LV Mosquita	

Name, State	Total C/H C/V	NA C/H C/V	Best QSL	Name, state	Total C/H C/V	NA C/H C/V	Best QSL
Norman Bobb, MN	158	1 18	1 KGEI	Sam Sanchez, CA	104	1 15	
Dave Maxfield, MI	158	12		Joe Talbot, Alb.	103	88 13 11	KNLS
Baxter Hensley, TX	156	141 16	15 Belize	Harold Levison, PA	101	61 15 8	
Gayle Van Horn, TX	154	116 15	8 Belize	Keiichi Kondo, Japan	100	70	
Scott Warner, SC	153	120 15	15 CKFX	Joe Kremer, SC	99	48 15 7	Belize
Jim Fortney, PA	151	88 17	10 KQSB	Peter Giacopelli, NY	98	86 15 14	Honduras
Peter Tutak, NJ	148	107 17	13 R North Coast Int	Ichiro Maruo, Japan	96	77 4 3	KNLS
Ken Loh, CA	147	109 18	14	Jim Renfrew, NY	96	10 14 4	
Nolan Stephany, NY	145	127 14 14	LV de Mosquita	Jean-Pierre Caravan, PA	90	58 13 7	KQSB
Austin Kelly, IL	145	118 18 17	Newfoundland	Richard Cassidy, IN	89	72 12 7	CHNX
Ray Forsgren, WI	144	76 17 14	R Mam	Ed Dye, AR	88	59 6 3	VoA
Sheryl Paszkiewicz, WI	143	114 18 16	TGNA	Joe Polchlopek, VA	87	61 5 5	KNLS
George Link, CA	143	111 13 12	CFCX	Allan Schlaugat, WI	79	59 11 9	CKFX
William Plum, NJ	142	105 18 16	KQRP	Rob Sobkoviak, IL	77	57 12 8	Grenada
Robert L. Woods, VA	136	43 20 4		Ronald Purdue, MN	77	43	
John Mosman, IL	132	96 17 15	R Landia	Paul R. Coombs, Nfld.	76	47	
James Smallwood, FRG	131	106		Andrew Wertheimer, MN	76	41 10 6	R Free Insani
Boris Benkovich, B.C.	130	82 13 10	4VEH	Ted Gurley, TX	74	46 15 9	TGNA
Greg Hart, FL	128	71 17 10	4VEH	E. M. Church, VT	70	47	
J. Gary Pate, MD	123	100 12 10		David Fodge, IA	54	43	
Gene Purdum, MI	123	84 15 11	VoPyramids	Joe Freeborn, ND	53	43	
Tom Daly, NY	118	30 15 3	Grenada	Norman Drew, B.C.	51	32	
Jerry L. Green, TN	115	80 2 2	Belize	Robert Tomko, NJ	48	38	
Dale Park, HI	115	35 13 4	KVHF	Mike Magick, AZ	46	27	
Peter M. Dillon, MD	114	74 15 11	Belize				
Fr. John C. Eckert, PA	114	17 13 -					
Bob Gunderson, MN	113	62 16 9	Nicaragua				
Louis Sica, Jr., NJ	104	35 13 7	CKFX				

Thanks to all our contributors. Please send your totals to Scoreboard for the next quarter. Remember the due date is 15 May for the June issue. Spotlight will be on Oceana.

73 Jaz

FOR SALE: INFO-TECH M-200P RTTY converter in like-new condition, price \$250.00. TRS-80 Model III with two drives, RS232, and extras, price \$850.00. Rick Kawa, 3296 Abbott Road, Orchard Park, NY 14127. Phone (716) 825-2662.

FOR SALE: ICOM R-70, preamp works below 1.6 MHz, otherwise unmodified. Used little. Excellent condition and in original carton with instructions, price \$460.00 including UPS. ALSO: Hammarlund HQ-140-X, works good, scratches on cabinet top, with Q-multiplier (plugs into added jack) for improved selectivity, price \$100.00 including UPS. Manuals included. George Sherman, Box 2284, Minneapolis, MN 55402. Phone (612) 588-2618 Tues.-Fri. 1800-0400 GMT.

FOR SALE: Panasonic portable receiver RF-085. New, in factory-packed box. Price \$45.00 including shipping. M. Nazim Aboobucker, 2130 Park Avenue, Apt. 20, San Jose, CA 95126. Phone (408) 985-0366.

FOR SALE: ICOM 71A like new in original carton with instructions. Has mechanical filter and 4kHz filter installed by EEB. Price \$500.00 includes shipping by UPS. Charles Runte, 22 Bucknell Road, Somers Point, NJ 08244. Phone (609) 927-6819.

FOR SALE: Kenwood R-600 receiver, \$260.00. Ed Marriner, 528 Colima Street, La Jolla, CA 92037. Phone (619) 459-5527.

FOR SALE: Galaxy R-530 and SC-530 speaker with manuals, \$175.00 shipped UPS. FRENEX - completer 1984, \$5.00. Confidential Frequency List (4th edition); How To Listen To The World (5th edition); \$2.00. How To Improve Short Wave Reception #3; N.R.C. Domestic MW Log 70-71; N.R.C. Latin American MW Log 71; \$2.50 each. Shipping included. Money Order or Cashiers Check, please. Al Drehmann, Route 2, Box 3B, Tryon, NC 28782. Phone (704) 894-3398.

update

March 1985***Number 180

Tom Alleman
636 E. 74th Terr.
Kansas City, MO 64131 USA
(816) 523-7292

UPCOMING DEADLINES: 10 March (Mid-March) 20 March (April) 10 April (Mid-April)

Reproduction permitted. Credit original reporter and NASWA UPDATE. Dates, times and days GMT: freqs khz.

ANGOLA ER de Benguela (listed), 6151.7, in PT 0522-0540; fair-poor. Dance mx, 0530 ID: "Radio de Angola," (no site heard). (Ron Howard, CA 2-8)

CLANDESTINE R. Truth, 5015.0, in EG *0430-0500*. General format: bird.IS, ID w/ Zimbabwean nx and sharp commentary (such as the bad phone service in Que Que), anti-SWAPO, anti-MPLA (Angola), a few mx selections, off with great Bird IS. In early February reception of this very good. Same prgm on several times. (Howard, CA)

CUBA While bandscanning noticed R. Havana Cuba on 18515 with music and talk, weak but readable, and also on 18525 with a different Cuban prgm. Latter much stronger and more interesting because of mx. Noted 1430-1445. At 1515 recheck 18515 almost inaudible, while 18525 much better. High QRM levels in the area make more frequent monitoring impossible. (Harold Levison, PA)

PAKISTAN PBC, 4777.1, in lang 1239-1306. Mostly readings and prayers. Weak but clear. Site? (Sam Barto, CT 2-2)+++PBC, 4777.9, in lang 1230-44 w/ anncmts and local mx. ID 1230. Very weak. (Barto, CT 1-22)+++PBC, 6128.4, from 1252-1305 w/ EG ID 1300 into nx followed by a TC. Signal very good. (Barto, CT 2-2)+++RP Islamabad, 6128.8 in EG and lang 1253-1345*. Koran, 1300 time clicks, "Es salam alekyum. This is Radio Pakistan, Islamabad." Local nx in EG, sports nx in EG, 24 hour weather forecast in EG, high and low temps and sunrise-sunset times all in EG. Into lang 1305. Off 1345 then drops to 5093.7 w/ subcont mx, 1500 nx in lang, heavy fading by 1530. (Howard, CA 2-9)

PERU R. Madre de Dios, 4950.0 in SP *1000-0057*. On with ID as reported in March '84 UD. Into OA mx. Sign off is a major change from old 0230*. Fair reception. (Howard, CA early Feb.)

It's always good to hear from our foreign correspondents, especially Kevin Szot in Brazil who checks in with a list of good reports. Tnx once again to Bob Hill who first established this connection for us.

4905 BRAZIL R. Relogio, Rio de Janeiro. 2300 ID by M: ZYJ 465 Radio Relogio Federal, onda media 586 metros, frecuencia de 580 khz. Onda tropical, 61 metros, frecuencia de 4905 khz, Rio de Janeiro, Brazil." Into an ad from the Ingreja de Nova Vida, then "Estamos com voce em todos os minutos marcando a marcha do tempo!" More ads for Leia (a magazine), the Reserva da Marinha, Pneus Carioca ("Pneus novos ou recauchutados--new or retread tires). They then went into a "Curso Supletivo de Primeiro Grau, Segundo Etapa: Ciencias, Revisao Numeros Seis." And into biology class till 2330. TC using their standard format: "Vinte horas, trinta minutos, zero segundos," by W. The Ingreja de Nova Vida then presented "Cafe Espiritual," five minutes of "devocao biblica" with Bishop Roberto McArthur. Interruptions every minute for TC. They then launched into their normal format of a minute of trivial facts (Voce sabia que...? Did you know that?) followed by ads in the minute following the next TC. 2341 "Radio Relogio Federal, o relógio do ar, sempre as suas ordens." Ads for Casa Iguacu, O Atacado, Deposito Bela Vista, a Lanchonete Vegetariana, and the Mobiliaria Fluminense. Lots of "objetivo e bem servir!" ... "Esta emissora e a sua companheira de todas as horas"..."Radio Relogio Federal proporcionando minuto a minuto a hora certa".... Also IDs as "A nova Radio Relogio" though they sound exactly the same as four years ago. Very good. (Szot 12-12) ***Whew! tba

4785 BRAZIL R. Brasil de Campinas, Campinas, ID at 0008 by M (canned): "Radio Brasil de Campinas, a mais poderosa emissora da cidade! Radio Brasil, informacao, musica, esportes e noticias!" (Szot 12-12)

5055 BRAZIL R. Maua, Rio de Janeiro, samba through 2155. ID by M: "ZYJ 491, Radio Maua, Rio de Janeiro. Onda media-1520 khz. Onda curta--5055 khz, faixa de 60 metros, canal nacional." Into a "Hora do Brasil" at 2200. (1-11) Also 0930 IDing as "Maua do Rio" with the Sabado Nosso program. (Szot 1-12)

4885 BRAZIL Radio Clube, Belem, tune in at 0900 during middle of ID: "...ZYG 362, 4885 khz, onda tropical. Radio Clube, S.A., Belem, Para, Brazil." (1-12)

4848 BRAZIL Radio Nacional, Manaus, caught 0910 with Brazilian pops, PSAs. IDing simply as "Radio Nacional" with many addresses in and mentions of Manaus. Very good. Fides in Bolivia doing very well on 4845 at 1003. (Szot 1-12)

3205 BRAZIL Radio Riberão Preto, Riberão Preto. Music by Queen, Caetano Veloso through 0359. Off 0402* after a Desiderata type thing. ID as "Radio Riberão Preto, S.A. (Sociedade Anonima)." (Szot 1-12)

- 3235 BRAZIL Radio Clube, Marilia, caught signing off around 0403 with extremely horrible modulation and taped ID dragging: "Raadaiiooo Cluuubee Maaariiiiiiaaaa. (Szt 1-8)
- 15135 BRAZIL Radio Record, Sao Paulo. 2110 w/ sertaneja mx, ID, TC. Ads for BANESPA (a bank), Doril ("Doril acab imediatamente com dor com gripe, com resfriado, febre. Doril, Doril! Agora Doril em gotas tambem! Doril!") 2120 Gil Gomes (police/crime reporter) with "0 Destaques Policial da Radio Record." // 11965, 6055. Not // 1030 MW. 9505 not heard. (Szt)
- 4976 BRAZIL R. Iguatemi, Osasco, //1500. 2135 Ad for Casabral where one can buy "carpetes Bandeirantes" using their credit system, "Credibal." (No credit? That's in-"Credibal!" So sorry; couldn't resist. tba) 2136 Petrobras ad: "Voce trabalhou e o Brasil mudou!" Then ad for the Braseiro Churrascaria e Pizzaria and Bamerindus. 2137 M: "Iguatemi, AM ZYK 736, 1500 khz, Osasco, Sao Paulo. Emissora da rede ? ista de radiodifusao. Transmissao simultanea ZYK 865, 4975 khz 62 metros." Into Sertoneja (country) mx. (1-11) Noted causing tremendous het 0300+ 1-12. (Szt)
- 4450 AFGHANISTAN via USSR "List logging" 0320 with Afghan instrumental mx of the same variety as 4740//3965 though not parallel to these two freqs. Surprised to hear them this late. (4740//3965 also heard in September '84 signing on 0120 with flute IS.) (Szt 1-12)
- 4472 BOLIVIA R. Movima 0345 W ID: Una presencia progresista, Radio Movima." Some mx, then M: "Pueblos hermanos del Oriente, hemos arribado al final de las emisiones del conjunto de programas que dieron forma a la estructura educadora e informada y orientadora de Radio Movima. Y lnego ? actividad radiofonica en prol de la comunidad total y del pueblo boliviano, nos restisamos del aire, prometiendo retornar a las siete de la manana. Gracias y felicidades." 0356*. (Szt, 1-12)
- 6650 BRAZIL Radio Dif. Univ. Guarulhos, 2x3325 noted 0520. (Szt 1-8)

According to the Folha de Sao Paulo, the rights to a new SW stn in Rio Branco, Acre, will be auctioned ("licitado") soon. No other information given.

More from Kevin in upcoming UDs.

Next we hear from our good friend Hitochi Miyashita in Japan:

CLANDESTINE REPORTS

IRAN VoMujahedin Khalgh is using 5960 nf from December 1984 on. Very powerful signal, at least 50 kw. // 3500, 4220 but some lag time there. Heard *1700. 6600 not used.

The UnID which uses the same xmtr as VoMK is noted on 3500, 4220 and 6600 (ex-6655) from 1430 s-on. Mr. Sakagami suggests that there would be a unification of Mujahedin groups which results in the twp prgms which now confuse us. 5960 is not used for this xmen.

LIBYA VoLibyan People noted in early January on 11640 from *1800. QRMing "R. Iran" from its *1830.

OTHER REPORTS

BRAZIL Rdf Londrina, 4815.1, noted from 0901. PT. Maybe *0900? (1-28)

RNac, Porto Volho, 4945.1, *1000+ in PT. S/on time changed? (1-6,7)

CHINA Xinjian PBS noted only on 1-18 around 1600 on 3235 // 4735, 3990. Seems to be ex-2560. Maybe testing nf. Not heard on 2560 or 3235 later. (1-18)

RBeijing w/ SP prgms on 4800 to 1125* and *1130-1155* on 1-28. No mention of this elsewhere so may be test xmen. Hope this is only a test. No more, please.

EGYPT RCairo heard with Persian prgm 1428-1450* on 1-15 and 1258-1330 on 1-17. Heavy QRM from RM and RAustralia on co-channels prevents check of sked.

INDONESIA RRI Jakarta nf 11815 around 1500 in early Jan. // 11770, 9680, 7270. Maybe change from 11700.

Have found no mention in FRENDX of programa nacional of Jakarta on 3946. In well during January. Can't believe it isn't being heard elsewhere.

RRI Surakarta w/ all-night prgm to 1700* on 4899.2 and then *1700+ on 4832.9. RRI Biak on 5450.8 to 1600* in early Jan.

IRAQ VoMasses-Expatriates prgm noted on 9745 and 9635 *1600+, 1-27, 28.

MOZAMBIQUE RM (Maputo e Gaza service?) hrd on 9577v 1-14 1530-1900 w/ verns prgm. Also heard irregularly since then. Fair signal but low modulation.

PAKISTAN RP heard on 5905.8 1-25 2206-2230 in EG/Urdu. Special transmission for sports event.

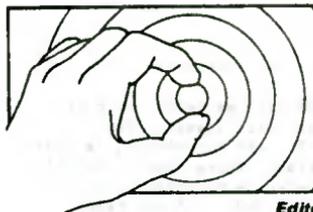
PERU R. Eco, Iquitos, 1000 returning here since late December.

R. Moyobamba, 5015.4, 1130-1200 in early Jan. Nx and some mx (EzL, some Spanish pops, etc.)

R. Onda Imperial, 5055.2, Cusco, 1030-1130 w/ QRM from Ecuadorian after its *1100.

SYRIA Noted on 7430, ex-7425 on 12-25 at 2230

More good stuff next time, including a new bandscan from Kraig Krist in Virginia.



LOG REPORT

section A

2000 to 4899 kHz

Editor: Mike Nikolich, 2137 West Farwell Ave., Chicago, IL 60645

- 2310 CHINA, Kunming/Yunnan; 1540, non-Mandarin CH, slow nx, possible dictation (Wood, Hawaii 1/14)
- 2340 CHINA, FLA/Fuzhou; 1340, CH/EG, presumed w/OM and YL lang lessons, haven't hrd in awhile (Sams 1/16)
- 2390 GUATEMALA, LV de Atitlan; 1345, "en Tenango...en Atitlan...a los conductores de vehiculos..." much Mexican mx, so beware, Mex. mx doesn't have to be Huayacocotla (Wood 1/25); 2356, underneath Mexican (Bolland 1/29)
- 2390 MEXICO, R. Huayacocotla; 1256, OM w/tx on the economy of the region, weak but clear (Wilkins, CO 1/22)
- 2430 CHINA, unknown location; 1540, CH nx, mx (Wood 1/14)
- 2475 CHINA, Zhejiang, Hangzhou (listed); EG lesson 1345 in U.S. EG, trying to explain the difference between Nanjing and Shanghai (Wood 1/25)
- 2940h MEXICO, XEBBC; RCN en Tijuana; SP 0655, pop and rock mx, 0700 ID, "XEBBC, cinco mil watts de potencia desde Tijuana," 0701, Mexican NA, 2x1470 (Wood 1/25)
- 3200 LIBYA, SPLAJBC; 2154, OM w/AR tx and lcl mx (Leite, MA 1/23) 0330, OM w/class. vocal, into nx at 0335 (Jordan, PA 1/14)+2
- 3205 BRASIL, R. Ribierao Preto; 0049, mx and OM tx (Bolland 1/20)
- 3210.5 MOZAMBIQUE, RM; PT 0305, "Ouvem R. Mocambique, 5 horas, 5 minutos," DJ show, quite lively (Wood 1/14)
- 3222 LOGO, R. Kara; #0526, FR, IS on balafon-type inst., martial NA, into religion, not //5047 (Wilkins 2/3)
- 3230 LIBERIA, ELWA; 2200, Vern/EG, ID, times and freqs, NA and s/off at 2207 (Swaringen, NC 1/8)
- 3235 PAPUA NEW GUINEA, R. West New Britain; 1249, Melanesian-like singing by male group w/guitars, tx by OM, tent (Park, HI 2/3)
- 3249 HONDURAS, R. Luz y Vida; SP sermon, "yo lo hare," ID 0230, good but het from ute on 3250 (Wood 1/25); 0402, EG, relig choral mx and sermon in EG (Jordan 1/14)
- 3253 VENEZUELA, LV de El Tigre/R. 980; 0340, commercial-sounding pks w/ballads and pop selections, IDs and slogans (Jordan 1/14); Latino pops, ID 0445 (Speer, CA 1/21) +Shedy...
- 3260 PAPUA NEW GUINEA, R. Madang; 1150, OM, mx and tx, time tone and nx (Bolland 1/26)
- 3270 NAMIBIA, RSWA; 0303, strange mix of Brazilian, US ballads, sacred-sounding chorals and other mx, ID at 0330, "You are tuned to RSWA," by OM (Palmer, WA 1/14)
- 3285 BELIZE, RB; very strong signal w/OM playing C&W mx (Palmer 1/11); 0407, EG, some classical mx into rock (Jordan 1/14); 0200, BBC drama (Zilmer 1/18); 0030, EG, mx and annts of meetings and funerals until 0100 (Lochmiller, IA 1/25)+3
- 3288 MADAGASCAR, RM; #0300, incredible signal w/guitar IS and s/on in Malagasy, //5010. Pk included beautiful selections of FR-flavored romantic ballads. A steel guitar or synthesizer used as a bridge throughout programs. In well, but no Zanzibar, yet! (Nikolich, IL 2/16)
- 3295 NAMIBIA, RSWA; 0300, EG/AK/GM, fair w/EG ID by YL at 0300, continuous pop (Hill, 1/6); 2340 (Blanchette, FL 1/6); 0325 (Hankins, PA 1/15); 0300 (Feeley, GA 1/3)+1
- 3300 BURUNDI, LV de la Revolutiun; 0350, Kirundi, DJ show, Afro mx, 0400, ID and nx (Wood 1/13)
- 3310 PERU, R. Bagua; 1105, SP, OM and YL w/IDs and TCs (Bobb, MN 1/11); 0940, OA mx, annts, TC and ID (Alexander 1/27); 1025, ballads and IDs, freqs (Forth, IL 1/20)
- 3315 ADMIRALTY ISLANDS, R. Manaus; 1309, PD, ID, annts, C&W and island mx (Paszkiwicz, WI 1/21)
- 3325t NORTH SOLOMONS, RNS; 1309, pop and rock mx, tk by YL, couldn't understand het, no ID hrd (Paszkiwicz, 1/22)**This station is normally on 3322 kHz...min.

- 3326 NIGERIA, RN; 2135, EG, relg px, ID at 2145, "This is RN, broadcasting from Lagos," (Swaringen 1/8)
- 3339t ZANZIBAR, RTZ; more of a hope than an ID, OM in Afro-sounding lang (D'Brien, VA 1/30)***Same here several nights, but no ID as of yet...min.
- 3356 BOTSWANA, RB; *0345, barnyard IS, 0400, ID in Setswana, s/on, into EG prayer; one of 3 new 50 kW xmtrs, //4820 and 7255 both very good (Wood 1/13); 0359 (Krueger 1/17) +1
- 3356t NEW CALEDONIA, Noumea; 0740, FR, light inst. mx, tx by OM and YL, nothing on 7170 or 11710 (Alexander 1/19)
- 3366 GHANA, GRC; 2148, //4915, nx about Angola, US and USSR (Swaringen 1/8)
- 3377.5 JAPAN, NHK/Osaka; 1030, EG, ID, weekly px of phone calls, some JF between calls, pop EG songs, hrd Saturdays only (Howard, CA -- late January)***Never knew of this...min.
- 3380 MALAWI, MBC; 0348, tribal drumming, ads w/Mzuzu and Lilongwe phone numbers, 0400, nx (Wilkins 1/18)
- 3385t NEW BRITAIN, RENB; 1305, tx by OM, mention of New Guinea, island mx, TC, but no ID (Paszkiwicz 1/23)
- 3479.1 BOLIVIA, R. Padilla; 1058, SP, OM w/folklorica type mx, weak signal (Bolland 1/29)
- 3607.5t JAPAN, NHK USB Relay; noted 1105-1300 w/JP tx, laughter, OM/YL, pips on hour, but no ID (Hardester 1/23)
- 3635 UNID; SP stn w/OM and YL, several references to "Radio Nacional," a clandestine? (Field, MI 1/25)
- 3640 VENEZUELA, YVTO; 0935, time pips and anmts in SP -- what is going on here??? (Trotto 1/11)
- 3773 UNID, 1340-1410, lang, "siren" jammer noted w/OM underneath, Mid East name references (Sams 1/3)
- 3800.3 INDONESIA, RRI/Gorontalo; tent at 1330 w/YL tx, pop mx, no ID, but Gorontalo rpted here by Perry and others (Wilkins 2/6)
- 3905 INDONESIA, RRI/Banda Aceh; 1334, IN, YL w/tent. nx, this one tent. (Park 2/5)
- 3925 JAPAN, R. Tanpa; 0910, //6055 and 9595 w//EG lessons, JP tx and YL w/"Switch on Radio Tanpa," slogan (Hardester 1/22)
- 3930 IRANSKEI, Capital Radio; 0304, EG, string of rock tunes, theme from "Chariots of Fire," ads (D'Angelo 1/13); 0320, DJ w/U.S. pop (Jones 1/13)
- 3931 CAPE VERDE, Voz de Sao Vicente; 2328, inst. mx, ID, four-note chime, nx, more inst. mx, NA and chimes to 0001* (Forth 1/30); 2219-0001 (Field 1/20); 0002, s/off (Feeley 1/2)
- 3945 JAPAN, R. Tanpa tent. hrd 0945 w/JP and FR tx (lang lessons?) w/OMs, YL w/poss. ID, //6115 (Hardester 1/22)
- 3958 FALKLAND ISLANDS, FIBS; 0317-0502, weekly mx px followed by local DJ w/assortment of rock and pop tunes, several requests including one for Gordon and Belle (D'Angelo 1/29); 0458-0527*, pop mx, interview, OM w/TCs, mention of Falklands, s/off w/GSTQ (Valko 1/30); *0859, opening mx followed by anmt, "And a very good morning to one and all. It's Wednesday, the 30th of Jan. This is the FIBS (Alexander 1/30)+1
- 3965t USSR, R. Afghanistan; 0144, OM w/long tx, some ME-styled vocals, //4740, TBS lists //4450 -- not today (Sheedy 1/21)
- 4000.2a INDONESIA, RRI/Kendari; 1300, best Indo this AM w/variety of IN and US pops (Wilkins 2/6)
- 4003v INDONESIA, RRI/Padang; 1405, hrd bits and pieces under UTE, OM and YL hosts (Wilkins 2/6)
- 4020 CHINA, RBFS; 1254, KR, folk-singing, ID and ending IS, //4620 and 5975 (Park 2/3)
- 4040 SIBERIA, Mayak via Vladivostok; tent at 1618 in RS w/pleasant sounding classical mx (Park 2/4)
- 4060 UKRAINIAN SSR, RMWS; 2220-2236, EG, ID and nx, nothing noted on 4485 (Alexander 1/19)
- 4120t N. KOREA, V. of Rev. Party for Reunification; 1215, KR, occasional interludes of oriental mx between tx by OM, very weak signal (Dillon 2/2)
- 4176 ECUADOR, R. Catolica; 1140, SP, //5055 w/folk guitar mx, group signing, JCC noted this a few months ago, says 4176= 5055-880a, mixing prod. (Sams 1/16)
- 4366.8 FRANCE; Swaringen's UNID is St. Lys Radio, a coastal station. They use an accordian IS prior to xmtn...They're the only UTE I know that has an IS! (Wilkins, CO)***

- listened for this and heard the Vancouver Coast Guard instead; this one sounds interesting...min.
- 4485 USSR, Kamchatskoe Radio; strong w/unfamiliar IS on xylophone at tune-in, YL ID, "Govorit Petropavlovsk-Kamchaski." Mentioned "Kamchatka Rybatskaya" (name of px). This px is sked 0735-0815 MWF only GMT, 0815, "Tikhyy Okean" sked daily (Palmer 1/21); RS, piano mx, OM, //4765 (Alexander 1/27)
- 4485.3 PERU, R. Gran Pajaten; 0306, tnx to Parks, hrd w/mostly non-DA pop tunes, incl. some from ABBA, 0330, ID, "Once y treinta en R. Gran Pajaten," 1/19--xlnt nite for Andeans (Reinstein) 0256, tnx Parks' phone-tip, strong w/mixed bag of Ecuadorian vocals and local huaynos, many IDs, 0428# (Krueger, Shedy)
- 4607.3 INDONESIA, RRI/Serui; 1415, Indo pops (Wilkins 2/6)
- 4635 TADZHIK SSR, R. Dushanbe; 1534, tx and mx by mournful men, OM mentioned "Dushanbe" and chime IS, but went (Park 2/4)
- 4699 INDONESIA, RRI/Surabaya; no ID so presumed W/OM and YL tx, very weak (Wilkins 2/6)
- 4720.7 VIETNAM; UNID VV regional here at 1147 w/inst, mx, OM and YL, strange mx, s/off at 1255, next day, s/on at 1100 -- RRI not on both days (Young 1/22)
- 4735 CHINA, Xinjiang PBS/Urumqi; 0050, lcl lang, OM and YL w/px in Asian lang, not CH, //5800 (Saas 1/15)
- 4750.5 UNID. Urdu/Indian-style singing at 1412 past 1423, too close to PRC on 4750 for adequate details of lang, off at 1500. probably Lhasa, tibet (Xizang) (Young, CA 1/27-29); UNID at 1200 w/time ticks, inaud. ID, possibly Manchuria (Bolland 2/2)
- 4750.8 ZAIRE, R. Lubumbashi; 0413, weak in lcl noise //7204.8 w/FR Om til 0426, vern OM frequently shouting "Shaba, Shaba," IDs as "La Station Nationale," (Krueger 1/17)
- 4753 INDONESIA, RRI/Ujung Pandang; 2210, YL w/mx (D'Brien, 1/20); 2240, IN OM w/tx (Bolland 1/25)
- 4755 BRASIL, Rdif do Maranhao; 0150, PT, lively Braspop, sambas, etc, IDs and promos, ads (Jordan 1/31)
- 4755 PERU, R. Huanta 2000; 1020, SP, OM and YL w/Andean mx, shouting and laughing (Bobb 1/27); 1104 (Bolland 1/26)
- 4760 LIBERIA, ELWA; 0615, EG, ID by OM, then nx headlines. "Good morning, Liberia" px (Trotto 1/28); 2205 (Swaringen 1/24)+2
- 4760 SWAZILAND, TWR; 0332, VERN/EG, choir w/hyans, tx in land, EG ID at 0345# (Speer 1/27); #0255, EG ID into Zulu (Wood 1/14)
- 4770 NIGERIA, RN/Kaduna; 2130, EG, OM w/pop mx, IDs as "Ch. 2, EG svc of R. Nigeria" (Cobb ME 1/27)
- 4774.5 INDONESIA, RRI/Jakarta; 1155, YL w/strong sig, 1200, Love Ambon theme, ID and nx (Bolland 1/19)
- 4776 PAKISTAN, PBC/Islamabad; 1405, Urdu/lcl, muffled audio, studio echo, No ID but //5097 (Sams 1/17); seems to s/on at 1255, but hrd last week on 4775.4 with ORM de RRI until the latter's s/off at 1302...also noted on 4777.8 and 4774.9, not noted at 1347, so possible xmtr problems (Young 1/23)
- 4780 VENEZUELA, LV de Carabobo; 0015, mentions of Carabobo and other YV radio stns (Dillon 1/7)
- 4783 MALI, RM; FR, OM singing w/guitar, tx at 0621, more mx ater 0648, tent. (Speer, CA 1/21)##I listen to this one often while laying in bed. I set the CR-2021's sleep function to 10 min., tune in Mali or Mauritania...and it's lights out!
- 4783.7 UNID, possibly the Pakistan again, this time at 1452, not // to other Pakistan outlets (Young 1/26)
- 4785t AZERBAIJAN SSR, R. Baku; 2130-2200#, YL w/opera mx, possible mention of Baku at s/off (Cobb 1/26)
- 4789.2 UNID, weak singing next to Peru at 0931 w/het, doesn't sound like an LA... doubt Fak-Fak, 0947 f/out (Young 1/23 and 24)
- 4790 PAKISTAN; AZAD KASHMIR; s/on at 1415 but audio is incredibly weak so only bits and pieces of mx hrd, Urdu style singing and chanting by YL voice, //other regional ctrs (Young 1/23); 1553, local "oldies" mx OM and YL, 1600, mention of "Azad Kashmir," (Park 2/4)
- 4795 BOLIVIA, R. Nueva America; 0355#, EG s/off, "Broadcasting on the standard broadcast band, 840 kHz, R. Nueva America! s/off w/out NA (Wood 1/13); 1013, OM tx (Bolland 1/31)
- 4800 CHINA, R. Beijing; #1200, EG, short IS, IDs, world and sx nx, info on China, ORM de AIR (Howard)

- 4800 INDIA, AIR/Hyderabad; 1210, Hindu vocals, EG nx at 1230 (Bolland 1/19); 1430, EG px on environmental quality in India, 1500, px on the new Parliament (Howard 1/16)
- 4800 LESOTHO, RL; 10300, NA, Sesotho ID, Afro choir (Wood 1/14)
- 4800 UNITED ARAB EMIRATES, UAE R.; 2200-2300, EG IDs asking listening to send reception reports (Swaringen 1/21); 2345, EG, asking for reports (Levison, PA 1/21); address is Box 63, Abu Dhabi (Reinstein) + (Bolland, Krueger, D'Angelo, Valko)
- 4803 BOLIVIA, R. Santa Ana; presumed at 0217 w//lite SP ballads, short and infrequent anmts, no IDss hrd, but other Bolivians were in strongly (Young 1/27)
- 4804.6 UNID, vy weak audio jammed up against het at 1140, Kupang also hrd on normal 4805.4, OM tx, sounding like VV, maybe Vietnam. Further observations on 1/29 revealed Kupang on 4805.4, VV regional (possibly Lam Dong) and possibly Bolivia below...what a conglomeration. (Young) Your QRM is better than most of my DX, OM. min.
- 4812.3t CLANDESTINE, Lite jazz mx at 0939, freq not stable, w/rapid and continual instability, possible tx by DM and YL in EG, tent. nx at 0946...drifted to 4813.2 by 1036 and weak (Young)
- 4815 BRASIL, R. Nac. de Tabatinga; 0208, PT, LA mx, possibly love songs (Hankins, PA 1/11)
- 4820 BOTSWANA, RB; 10345, s/on in Sets/EG, barnyard sounds, into 0400 NA, ID in both langs (Jordan 1/10); 0400 (Hill 1/31); 0405, award-winning PSA against littering in Botswana, "...to litter in Botswana, it's a sin." Best jingle I've heard in years...naturally, the recorder was off! (Hardester 1/21); 0342, barnyard sounds mixing w/HRVC--not bad! (Tutak)
- 4821.7 VIETNAM, UNID VV regional at 1211 w/YL. Possibly Ha Tuyen, as observed here before and report mid/late 1984. This day (1/23) was excellent for VVs... (Young, CA)
- 4825 PERU, LV de la Selva; 0910, SP ID by YL, OA mx (Alexander)
- 4825 UKRAINE SSR, M1R0-2/Starobel'sk; info from Olle Alm, Sweden says this is the site, carries R0-2 nx 2200-2230, found //12070, 9820, 9795, 7365 and 7330 (Reinstein)
- 4835 SOUTH AFRICA, SABC/R. Orion; 2140, EG, "Mike 'til Midnite" show w/jazz and folk mx. 2206t (Paszkwicz, WI 1/12); 2136, same px (D'Angelo 1/19)
- 4838a MALI, Rdif. Nat. du Mali; 0705, FR, nx, into Vern, afro mx w/stringed instrumentals... (McKellar, CA 1/22)
- 4840 VENEZUELA, R. Valera; 1007, OM w/ID, mx and tx (Bobb 1/21)
- 4845 MAURITANIA, RM; 2145, AR, long musical selections (Green 2/3) That's an understatement, but some great mx comes out of this station almost nightly.
- 4855.4t MAURITIUS, MBC; Is this the MBC here from 1348 to past 1611? Pop mx and YL anmts in EG and FR. Normally in the clear, but nex to another stn at 1433...Hrd RRI/Palembang 1257-1305 w/ID and RRI IS on hour, but MBC seems to s/on at 1330 and is stable on 4855.4 (Young 1/28-29)
- 4879 PAKISTAN, RP; the stn reported here as Bangladesh is Pakistan by my observations. Hrd both AM and PM hours as early as 0100 to past 0300 (which is too late for Bangladesh) and is //to Pakistan on 5905, 5094 and 4980 (Azad Kashmir)...Also noted 1215-1530 (Young 1/19)
- 4880 BRASIL, Rdif. Acreana; 1036, PT, OM w/tx and many mentions of names, YL later on (Bolland 1/23)
- 4883 UNID, 1210-20, OM/YL in lang w/tx and brief mx at 1215, then more comments, possibly a Soviet... (Bolland 2/2) Clifford's UNID is probably Beijing...hrd and ID by me and others in this time frame in Asian langs. Ends Asian xmtns w/unusual chime IS (Wilkins)
- 4884.9 ANGOLA, ER do Zaire; 2130, PT, non-stop reggae, then OM at 2145, poor lvl (O'Brien 1/27)
- 4885.3 PERU, R. Huancavelica; 1101, strongest ever on 1/19 w/Andean marching band mx, then "Noticiero Huancavelica," (Reinstein)
- 4894.9 MALAYSIA, Kuching; 1058, YL w/mx and tx, time tone at hour, then nx by OM, //7270 (Bolland 2/6)
- 4895 UNID, YL w/tx and mx, at 1128, mx typical of near east area hrd w/flute, maybe India... (Bolland 2/2)
- 4899.3 INDONESIA, RRI/Surakarta; presumed at 1046 w/QRM from Venez on 4900, some tx (Bolland 1/23)



LOG REPORT

section B

4900 to 6199 kHz

Editor: Jerry Berg, 38 Eastern Avenue, Lexington, MA 02173

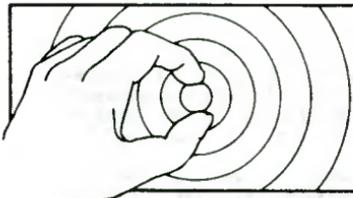
Further information on "Caracol Carreno" on 5941 . . .

- 4900 **VENEZUELA** R. Juventud, 0121-0200 on 1-11, LA mx, US rock, S9+ (Hankins-PA).
- 4904.5 **CHAD** N'djamena, man talking with drums in background 0550 1-13, seeming ID 0600 (Jones); FR 0615-0655 1-6, talk, hi-life, ID 0630, nx by M&W, fair rcpn (Hill).
- 4905 **BRAZIL** R. Relogio Federal, pips, TCs by gal 0748 1-6, IDs, ads (Alexander-PA).
- 4905 **BRAZIL** R. Araguaia, relig.prgm 2355 2-7, full ID 0002, calls, pops, uted (Wilkins-CO).
- 4910 **ZAMBIA** Lusaka, fish eagle IS 0345 1-13, NA 0400, "One Zambia, one nation" slogan, good (Wood-HI); IS 0350 2-7, vernac.talk 0355, CW QRM (Swaringen-NC); 0350 2-3, IS, EG ID 0400, Afr mx (Feeley-GA); 0438-0450 1-28, quite audible despite QRM; group vocals, ID 0440, fanfares, into FG nx, vernac. talk 0445 (Jordan).
- 4911 **ECUADOR** Emisora Gran Colombia widely hrd. Strong 0009, many IDs, ads, mx; seemed like drama at times; 1-24; still there 0540 recheck. Also at 1236 1-28 (Young); 0105 1-27, fair with noticias, ads, pops, not hrd for some time (Rigas-IL); hrd 0225 1-24, fair, talk, full ID, then religious talk; ad for Banco Popular (Bolland-FL); coverage of Pope John's speech 0243 1-30, strong (Daly-NY); 0340-0418* 1-28, long talks, LA pops briefly, sports, nx, to s/off (Jordan); ID 0416 1-23, SP pops, good signal (Swaringen-NC); 0504-0559* 1-30, various LA mx, frequent IDs, NA (Sharpe-CA).
- 4915 **BRAZIL** R. Anhanguera, full ID 0300 2-7, good sig but local electrical QRM (Wilkins-CO).
- 4915 **GHANA** Accra, choral mx 2143 1-13, ID, TC, nx highlights, sports, singing (D'Angelo-PA).
- 4915 **PERU** R. Central, 1048-1106 1-21, weak but clear with nice huaynos, GNT-4 TCs, OA flutes, "Buenos Dias Peru" shouted, two R. Central IDs hrd (Reinstein-FL).
- 4920 **AUSTRALIA** ABC-Brisbane, 1133-1148, old movie scores, musical comedies (Dillon-DC).
- 4920 **ECUADOR** R. Quito, US pops 0115 1-11, LA rhythms, "LV de la Capital" IDs (Hankins-PA).
- 4920 **MOZAMBIQUE** Maputo, PT ID 0300 1-14 for Maputo e Gaza, list of day's prgms (Wood-HI); tent. them 4915v 2-4, 0450-0515, CW DJ, bravado voice, EZL mx, psble IDs (Jordan).
- 4926 **EQUATORIAL GUINEA** Bata, nice Afr vocals 2120 1-27, nx 2140-2148, more vocals to 2205*, ID, my favorite NA to 2205*; fair sig (D'Angelo-PA); 0459 1-27, long NA, into non-stop Afr pops; also hrd at 2204* 1-27 (Alexander-PA). You guys should synchronize your clocks
- 4930 **HAITI** 4VEH, SF relig.talk 2205 1-9, YV address, ID 2230, VG (Dillon-DC); talking by man in FR at length, 0111 1-11 (Hankins-PA).
- 4932 **INDONESIA** RRI-Surakarta, econ.nx 1510 2-2, ID, traditional mx, chimes, IS 1600 (Sharpe-CA); tent. 1340 2-7, very weak, alternate to 4899 which isn't hrd lately (Wilkins-CO).
- 4935 **PERU** R. Tropical, LA mx 0935 1-30, ballads, ID 0938 (Alexander-PA).
- 4945 **BOLIVIA** R. Illimani, folklorica flutes 1017 1-24; under Caracol, also ZY here (Bolland-FL).
- 4945 **COLOMBIA** Caracol Neiva, 0747 1-17, tele.talk show, nx 0810, ID 0818 (Hewitt-MI). FL.
- 4950 **CLANDESTINE** Voz de Verdade, 0307 2-3, ID, talks on Angola, some ZY mx, ID, EZL mx, off 0340 in mid-song (D'Angelo-PA); reggae 0312 1-30, ID 0320, disco, off 0342 but carrier still on at 0410; strong, but overmodulated audio and some CW QRM (Daly-NY).
- 4950 **PERU** R. Madre de Dios, ID 1016 1-6, OA flute mx, psble.relig.prgm, talk, mx (Alexander-PA); 1025 1-24, huaynos, TCs, ID 1033, poor signal (Bolland-FL).
- 4950 **SARAWAK** Kuching, really good 1453 1-21, stocks, ID 1505, then mx (Palmer-WA); "UN Calling Asia" 1505 2-3, instr.filler, ID, "Melody Class" with Br.OM (Sharpe-CA).
- 4950 **SENEGAL** Dakar, native mx 2120 1-13, CW with narration; 4890 not hrd (D'Angelo-PA).
- 4955 **BRAZIL** R. Marajoara, man with ID 0935 1-7, many mentions of Para; fair (Bobb-MN).
- 4955 **PERU** R. Cultural Amauta, 1104 1-23, folklorica, mentions of Huanta, nx 1106 (Bolland-FL).
- 4958 **AZERBAIJAN SSR** Baku, VG 0423-0440 1-19, //4785 equal, local mx, AZ talks (Krueger-FL).
- 4960 **ECUADOR** R. Federacion, mx 0140 1-23, ID 0200* with mx not NA (Field-MI); tent. 2350-0057*, Indian-type mx, Andean mx; poor (Jordan). Sounds like them--JB.
- 4965 **BRAZIL** R. Alvorada, good 0143-0201* 1-12, ID as R. Alvorada de Parintins (Reinstein-FL).
- 4965 **NAMIBIA** R. SWA, *0530 2-4 in mid-prgm, no ID, so tent. (Wilkins-CO); relig.mx prgm 0530 2-3, past 0600, no ID, so also tent.; weak by 0600 (Field-MI).
- 4970 **VENEZUELA** R. Rumbos, 2205 1-10, talking, IDs, TCs, singing ads (Dillon-DC); 0440 on 1-25, fair with pops, ads, ID (Speer-CA); futbol 0440 2-3 (Park-HI).
- 4980 **VENEZUELA** Ecos del Torbes, 0053 1-10, LA mx, ads, nx, IDs (Feeley-GA); loud and clear 0106 1-11, nice mx (Hankins-PA); nx 0920, doorbells, musical ID 1000 1-12 (Hewitt-MI).
- 4990 **PERU** R. Ancahs, 0817 2-3, tune-in to NA, opening armts, ID 0819, OA mx (Alexander-PA); man with ID 0919 1-8, talking, TC, mx, fair signal (Bobb-MN); huaynos 1024 1-31, TCs, IDs, separable from YV with good filtering; fair signal (Bolland-FL).
- 4990 **SOUTH AFRICA** R. RSA, EG world nx 0403 1-14 (Jones); 0405-0415 2-1, nx about Africa, ID 0412, //3320 (Swaringen-NC); to 0426* 1-26, nx, ID, IS, good signal (Trotto-FL).

- 4990 VENEZUELA R. Barquisimeto, LA mx 2209 1-10, man DJ, singing ads, TCs, IDs (Dillon-DC).
- 4996 PERU R. Andina, 1039 1-24, relig. prgm, full ID 1043, TC, huaynos, fair sig (Bolland-FL).
- 5005 BOLIVIA R. Cristal, fair 2357-0040 1-24, ID 0004, nice mx (Leite-MA). Hi, Steve--JB.
- 5006 SURINAM—? Would seem so, 1005 1-27 with church svc, unid. lang could have been Dutch, fairly strong but huge ute; also hrd earlier (and better) arnd 0900 (JB).
- 5010 COLOMBIA Tent. R. Surcolombiana, nice mx 0240 1-20, echo IDs, quick choral NA and off 0251*; marginally fair sig, not R. Colombia, C.R. (Jordan).
- 5010 PERU R. Eco, 1058 1-25, ads, TC, nx, fair (Bolland-FL); 0205 1-20, talks, pops, many echo armts, pulled plug at 0255* in mid-anthem (Alexander-PA).
- 5010 MADAGASCAR Tananarive, IS 0258 1-16, choral NA, clear ID 0303, gal with nx (Daly-NY); *0255 1-13, IS, NA, ID, local mx, weak (Jordan); *0257 1-29, prgmng with lively hi-life mx, then EG jazz, fair sig (D'Angelo-PA); *0257 1-19, into light instrumental mx, talk by M&W; fqy slowly drifting down; nothing hrd next day (Alexander-PA); tone hrd 0258 1-24, usual s/on sequence, various mx, possible nx 0331, F-G (Forth-IL); *0259 on 1-29, IS, vocal NA, ID, local mx (Rigas-IL); *0259 1-13, IS, NA, ID, TC, armts, into relig. prgm with hymns, ute QRM and het (Paszkievicz).
- 5010 UNID. in EG 0640 1-6, poor, man talking abt economics, faded out 0650 (Hill).
- 5015 CLANDESTINE R. Truth, *0430 1-27, bird IS, ID 0432, nx and cmtry on Zimbabwe, US pops (Alexander-PA); ditto 2-6, hrd till 0400* (Rigas-IL); poor 0430 1-27, "Good morning, Zimbabwe, and welcome to another prgm in our EG language svc of R. Truth" (JB); gal in EG 0440 1-26, pops, poor signal, to 0501* (D'Angelo-PA).
- 5015 PERU R. Moyobamba, tune-in 1032 1-27 to NA, s/on armts with ID, into CA mx (Alexander-PA); 1102 1-25, "atencion," fair signal (Bolland-FL); man with ID 1137 1-14, P-F in het (Bobb-MN).
- 5020 UNID. 1-14 at 0102-0115, rock, bluegrass, swing, CAW, gal in unknown lang. 0106, seemed like AC hum on signal, audio just above noise, carrier hrd other days (Sheedy-CA).
- 5020 ALBANIA Gjirokaster, 0640 1-22, waltzes, local mx, fair signal (Bolland-FL).
- 5020 SOLOMON IS. Honiara, pops, prgm prv 0725 1-28, poor (Speer-CA); talks, various mx, 1239-1255 1-30, ID 1245, fair sig (Leite-MA); 1245-1304* 1-9, off after NA (Swaringen-NC).
- 5025 CUBA R. Rebelde, live event 0200 1-10, crowds, some TCs, Rebelde IDs 10 mins. apart, 2 anncrs talking (Jordan); nx items 0700 1-18, mx, ID, good sig (McKellar-CA); *1001 1-30, SP mx, M&W anncrs, TC, //600 MW (Alexander-PA).
- 5025 PERU R. Quillabamba, TC in mid-tune, 1106 1-25, ads, fair signal (Bolland-FL).
- 5025-5031v UGANDA Kampala, to 2102* 1-29, Afr pops, nx 2057, ID, closing mx to s/off (Alexander-PA); 0320-0347 2-1, rock, TC, ID 0330, nx, mx agn 0343 (D'Angelo-PA); 0402 1-20, nx, PSAs, ads with tel. numbers (Jordan); nx on Baha'is of Uganda 0405 2-1, ID, good signal (Swaringen-NC); nx 0409, 2-4, 5031 slipped to 5025 (Wilkins-CO).
- 5030 CENTRAL AFR. REP. Bangui, long vernac. talk, 0530 on 1-21 (O'Brien-VA).
- 5033 UNID. 0323-0349 1-20, rock mx, Afr sounding anncr, weak audio, not noted 0354 (Sheedy-CA).
- 5039 SUDAN Omdurman, time pips 0430 2-3, ID in Arabic (Green).
- 5040 ECUADOR LV del Upano, 0110-0145*, man with lively talks, ID 0120, choral mx; ID and fqys 0139, march mx to close; fair-good signal (Jordan).
- 5040 USSR Tbilisi? 0145-0212* 1-16, sort of a Bob & Ray-type prgm in progress, pips 0200, TC, nx in RS, no IS; didn't sound RS before 0200. 0212*, didn't return (Palmer-WA).
- 5050 ECUADOR R. Jesus del Gran Poder, clas. piano mx 0103 1-10, talk (Feeley-GA).
- 5052 SINGAPORE SBC, good, QRM free, 1604* 1-21, nx, NA and off; ute QRM (Palmer-WA).
- 5055 BRAZIL Tent. R. Maua, 1020 1-14, PT, ZY NA, lost when Catolica came on (Reinstein-FL).
- 5055 COSTA RICA TIFC, "Back to God Hour" 0325 1-18, fair rcpn (Hill); M&W in EG 0350 1-24, TWR-Swaziland hrd 0400 when TIFC closed (Field-MI).
- 5055 ECUADOR R. Catolica Nacional, live homily by Pope John at 0055 2-1, vocals 0136, TC, NA, off, VG (Krueger-FL); 1-30 0635, on late with EZL mx; very strong here, and also hrd weakly on 4175 (5055 SW minus 880 MW) (Alexander-PA).
- 5055 SWAZILAND TWR, *0355 1-20, IS, EG ID, into GM rel. prgm at 0400, //5955 (Alexander-PA); fair-poor, 0356 1-16, IS, low signal level, EG IDs (Palmer-WA); EG IDs as "This is Trans World Radio, Swaziland" 0357, into GM relig. prgm, fair signal (D'Angelo-PA); chime 0358 1-30, EG IDs, into GM to South Africa; poor signal (Daly-NY).
- 5060 PAKISTAN Rawalpindi, 1650 1-12 in Urdu songs, ID, good signal (Wood-HI).
- 5066 ZAIRE R. Candip tentatively, snatches of mx 0357 2-3, under hvy ute QRM, then talks by M&W at 0400, 2-note chime between items (Wilkins-CO).
- 5095 COLOMBIA R. Sutatenza, SP nx at 2345 2-3 (Levison-PA).
- 5096 PAKISTAN Islamabad, fair-poor 0145-0206 1-26, special cricket coverage (Howard-CA).
- 5120 UNID. Light singing 1152, VV armts; pop mx, ballads, gal anncr 1229; drama until 1300, then armts, short mx, off 1303*; on 1-29 (Young).
- 5191 ANGOLA EP do Moxico, 2134, PT talks and mx, talking agn 2145, wind IS 2159, M&W kept talking, probably nx; finally faded out at 2215; poor overall 1-26 (Bolland-FL).
- 5238 PAKISTAN Azad Kashmir, usually under hvy FSK, in open for 3 minutes 1308 1-29, Urdu singing, no mx; could follow singing to 1323; tent., but DSWCI says *1200-1400* (Young).
- 5274 PERU R. San Juan de Chota, ID 0014 1-31, poor, QRM (Daly-NY); varied mx 0024 2-4, ID, choral NA, 0103* (Wilkins-CO); to 0106* 1-21; previous nite sounded like Bagua ID (Alexander-PA).
- 5360 PERU R. Vision, 1103 1-29, nx, jazz (Bolland); 0159 ID (Wilkins-CO).
- 5444 PERU R. Imagen, 1007, 1057 (Bolland-FL); 1105 (Alexander-PA); ID 1110, VG (Reinstein-FL).
- 5476 GUINEA-BISSAU R. Nacl, tent. ID 2254 1-13, talk by gal (Tutak-NJ).

5555 CLANDESTINE R. 15 de Septiembre, to 0005* 2-4, //5580, 6215; talk, sirens(Alexander-PA)
5596 VITNAM Hoang Lien Son, *1145, talking by gal, usually very weak, stronger on //6704.
IS of sorts 1159, back to Vietnamese talking; 1-23, 1-24 (Young).
5617 PELU K. Ilucan, 1101-1115 2-3, CA campo mx, man anncr, echos, weak (Alexander-PA);
mx from 1129 1-15, faded 1150; no ID, but the one reported here (Field-MI).
5660 UNID. Asian, 1205-1220 1-29, Asian mx, barely hrd every day; Laos? (Swaringen-NC).
5760 CLANDESTINE LV de Sandino, 2304-2330* strong 1-17, hymn to s/off (Reinstein-FL).
5800 PELU Presumed R. Acunta, 0033-0103 1-16, huaynos, low lvl, SP, no clear ID(Krueger-FL).
5875 CLANDESTINE LV de Sandino agn, 1105 2-2 (JB); ID 2305 2-5, 2314* (Bolland-FL).
5905 PAKISTAN R. Pakistan 0135-0206 1-13, weak but audible, pips 0200, YL nx (Palmer-WA).
5910 BELGIUM BRT, EG 0030 1-24 (Levison); ditto 1-15, sports, family incomes(Blanchette-FL);
EG "Sports Rpt" 0055 2-5, mx, "Regional Cooking," very good (Lochmiller-IA).
5920 USSR RMWS, EG from FE site 1735 1-22, fair w/"Sov Way of Life" (Park-HI).
5930 CZECHOSLOVAKIA Prague, EG 2020 1-20, queries for "Sun.Mag" (Alcorn-NJ); trade talk,
0127 2-2 (Levison); EG nx at 0315 1-5 (Kociela).
5930 USSR Murmansk with MFEU, 1115-1130 1-26, fair with RS talks; mixing at 1129 with M2
IS via Blagoveschensk; interesting to hear these sites (via URSC) mixing(Reinstein-FL).
5935 LATVIAN SSR R. Riga, good Sat 1-26 2132-2200* Swedish, "Runa Riga" ID 2159(Reinstein-FL)
5940 USSR RM, 1410 2-4 in Japanese, talk on CNN interview with Chernenko (Park-HI).
5941 COLOMBIA Caracol Carreno, 2340-0005* 1-21, HJ mx, M&W anncrs, ID, NA to s/off (Alexande
PA); per veri, stn is Emisora LV del Orinoco, also known as LV de Marandua, QTH is
Av. del Puerto, Pto. Carreno; 10 kw (JB).
5945 AUSTRIA Vienna, weak at 2056 2-7, waltzes (Hankins-PA).
5950 GUYANA GBC, 1035 1-31, ID 1040, obits, poor sig (Hill); good 2248 1-30, EG nx,
concert ad, ID, "newsweek" prgm, request for money for man w/artificial limbs(Krueger-FL)
5950 NICARAGUA Voice of Nicaragua, EG nx 0405, IDEs, "a free voice of America"(McKellar-CA).
5955 BRAZIL R. Gazeta, 0710 2-2, Br.pops, ID, man DJ, weak, mixing w/Holland(Alexander-PA).
5960 CANADA RCI, EG 0300, "SWL Digest" 1-21 (Park-HI), wrld.nx, interview (Dillon-DC).
5960 FRG DW, EG 0513, "Ltr frm Bonn" (Park-HI); 0520, talk on wine making (Jones).
5960 TURKEY Ankara, 2330 1-29, EG, //9560 (Bolland-FL); good to 2345* 2-3 (Trotto-FL).
5965 BRAZIL R. Guaiba, singing ID 0918 1-26, oldie instrumentals, fair sig (Bobb-MX).
5965 ENGLAND BBC WS, exc with EG nx at 1300 on 1-11 (Brann).
5965 MALAYSIA KL, Malay vocals 1540 2-3, wx, Koranic rdngs, relig.talk, ID, TC (Sharpe-CA).
5970 PERU R. El Sol, OA mx, IDE, talk, 0920-1005 1-20(Alexander); ID 1110 1-18, P-F(Bobb-MN).
5975 COLOMBIA R. Macarena, sports nx 0420 1-28, Pope's visit, good, BQC QRM (Wood-HI).
5975 S.KOREA Seoul, EG 1634 2-2, "Bride of Friendship" prgm, some QRM (Park-HI).
5980 SIERRA LEONE SLBS, *0605 1-20, NA, EG ID, TC, rel.prgm, doesn't seem daily (Valko).
5980 SOUTH AFRICA R. RSA, EG to Nam *0155-0255* 1-13, had been gone for a month (Wood-HI).
5980 USSR RM Nam Svc, FE site, 0704 1-29, EG nx, //6020, 7175, 7260 (Park-HI).
5982 MEXICO XENJ, 1057-1115 1-30, tune-in to NA, chirping, rooster crows, talk, LA mx
(Alexander-PA); full ID 1111, call ltrs, good sig 2-1 (Bolland-FL).
5985 USA VoFC over WYFR, EG cooking talk 0221 1-26 (Levison); pops, EG nx 0300 1-1(David);
EG *0600-0700* 1-19, very good, nx items, folk tales, CH history, mx (Jordan).
5995 AUSTRALIA RA, 1400 on 1-9, EG nx (David).
5995 USA VOA, 0035 1-9 w/dictation speed nx (Hankins-PA).
5995 USA WYFR, "Family Bible Study Fellowship" prgm 1213 2-3, poor under RA (Park-HI).
6000 AUSTRIA Vienna, *0130-0155* 1-20 in EG, nx, talk, sports, 5945 not hrd (Jordan);
0141 2-3 w/recipe (Levison); IS, EG/GM IDs 0200 1-9, GN nx, very tough copy (Jordan);
0330 with EG talk, fair in QRM; 5945 poor at this time; 1-21 (Hardester).
6005 ASCENSION IS. BEC WS, nx 0100 1-9 (Hankins-PA); BEC nx 0500 1-11, pops, F-P (Jordan).
6005 CANADA CFCX-Montreal, EG DJ prgm 1938 2-7, ski and wx reports (Hankins-PA).
6005 S.YEMEN Aden, 0330 2-1, AR nx after BEC signs off (Green); nx 0334 1-22, mx, AR talk,
ID 0343, fair till blocked by BBC 0355 (Tutak-NJ); martial mx 1458 1-14, time beeps,
IS, gal spkr, then AR nx, instrumental mx to 1525 fade; fair in het (Kusalik-ALE).
6006 COSTA RICA R. Relej, SP nx 0605 1-11, industrial and farming ads, good sig (Wood-HI).
6010 PERU R. America, 0855-0930 1-20, OA mx, talk, ID 0859, blocked by KGLI 0930(Alexander-PA)
6010 SOUTH AFRICA R. RSA, ID 0200, Afr nx, EG, 2-4 (Park-HI); DX prgm 0215 1-20 (Kociela);
0230-0255 1-12, criticism of Kennedy, TC, ID, "Ltr frm Saf" (Dillon-DC).
6010 USSR RM in FR at 1955 1-14, talk, mx, into SP or PT at 2100 (Daly-NY).
6015 NICARAGUA Voice of Nicaragua, SP 0335-0400 1-26, IDs, mx, slogans, talks (Jordan);
EG 0419 2-3, reading of communique w/contra atrocities, IDs, IS (Park-HI).
6015 PARAGUAY Tent. Em.Paraguay, 0743-0755 1-13, local mx, man anncr, some mentions of
Paraguay, harp mx; hvy RN QRM at 0755; but no ID noted (Valko).
6015 VATICAN Vatican Radio, EG nx until 0110* 1-17 (Alcorn-NJ).
6020 BRAZIL R. Universo, 0820 1-26, dramatic DJ, ID, mx, M&W talking, fair (Bobb-MX).
6020 HOLLAND RN Flevo xmtr, 0227-0324 1-22, EG, Bonaire-9590 better, Flevo-9895 vs weak
(Tutak-NJ); 0235-0320* 2-4, "Happy Stn" (Jordan); *1030 to Austr/NZ, poor (Alpert-NY).
6025 HUNGARY Budapest, 0215-0225 DX prgm 1-26, 0300-0325 2-5, ID, nx, requests(Lochmiller-
IA); 0305-0327* 1-19, EG nx, ID, mx prgm, very bad rcprn (Jordan).
6035 BRAZIL R. Globo, Br.pops 0900 1-27, M&W anncrs, ads, jingles, ID (Alexander-PA).
6035 COLOMBIA LV del Guaviare, 1020 HJ pops, talk, arnts, full ID 1028, 1-30(Alexander-PA).
6040 FRG DW, EG nx 0103 1-9, Euro wx, good signal, //6085, 6145 (Hankins-PA).
6045 AUSTRALIA RA, EG nx at 1400 on 1-14 (Walker).

- 6045 LIBERIA VOA "Jazz Hour" at 2230 1-28, fair signal (Zilmer).
- 6045 PORTUGAL Lisbon, #0030 2-5 with EG nx (Green).
- 6050 ECUADOR HCJE, SP 0255-0305, clas.mx, ID 0300, talk about industry (Dillon-DC).
- 6055 BRAZIL R. Record, 0850 1-27, talk, sev.IDs, Br.pops, mentions of S.P.(Alexander-PA).
- 6055 PERU Tent. R. Continental, weak 1015 1-20, LA/OA mx, tent. ID 1025 (Alexander-PA).
- 6060 ARGENTINA RAE, tango-like mx 0835 1-26, ID mentioning B.A., fair in QRM (Bobb-MN).
- 6060 AUSTRALIA RA, rock mx 1249 1-12, "Countdown" theme, TC, world nx (Dillon-DC);
EG nx 1307-1310 1-11, excellent signal (Brann).
- 6065 CANADA CBC N-SW Svc, C&W mx 1219 1-14 (Feeley-GA); "Good Morn Que" 1310 1-12 (Dillon-DC)
- 6065 USA VoPC over WYFR, EG 0305-0400 1-12, CH marriage customs, mx, relay ID 0400 (Dillon).
- 6070 BULGARIA Sofia, EG cmtry 2140-2145 on 1-4, poor signal (Brann).
- 6070 CANADA CFRX-Toronto, nx, mx, 1500 1-14 (Walker); 2227 1-2, mx, traffic, ads (Brann).
- 6075 HONDURAS LV del Junco, seemed a drama 0115 1-22, talk, IDs, noisy (Bobb-MN); ID 0309,
"la emisora de occidente," good signal 1-25 (Wood-HI); EZL LA mx 1-14, 0419-0430, ID
0426, fair w/QRM: (Valko); tropical mx 1301 2-6, fair but going fast (Wilkins-OO).
- 6075 PORTUGAL Lisbon, Fado mx 0150 1-6, very good signal (Blanchette-FL).
- 6080 CANADA CKFX-Vancouver, C&W mx 1705 12-21, ads, phone requests, IDs as "WX 1130"
(Kusalik-ALB); interview 1745 1-29, long 15-second time pips on the hr (McKellar-CA).
- 6085 ALASKA KNLS apparently, no ID but EG 0704 2-3, relig.prgm, bad rcpn (Field-MI).
- 6085 FRG DW, EG 0100, prgms on witchcraft, world nx, //6040-Antigua, fair (Blanchette, Dillon).
- 6090 LUXEMBOURG R. Luxembourg, pops, ads, nx, UK wx, 0000-0125 1-22, covered by Lisbon IS
at 0125 (Lochmiller-IA); hrd 0034 1-20, EG (Feeley-GA); pops 0100 2-4, poor (Zilmer).
- 6090 USSR RMWS, fair 2117 1-19, not hrd here before; //7195, 7265, 7285, 7355, etc (Alpert-NY).
- 6095 CHINA Beijing, CH 1130-1155 1-16, gal anncr, CH vocals, blocked 150 by WYFR (Cobb-ME).
- 6095 ECUADOR HCJE, "DXFL" 0245 1-12, rpt on GMT from SPEEDX article; //9745 (Daly-NY).
- 6095 PORTUGAL Lisbon, #2300 in PT, loud and clear 2-1 (Alpert-NY); EG nx 0035, ID, good
signal 1-23 (Trotto-FL); EG nx abt Portugal 0034 2-8; gave EG Mon-Fri sked as
ECNA 0030 6095, WCNA 0300 6095, ME 1600 15105, Afr 1800 15250, Eur 2030 7125/9740 (Hankins).
- 6110 AZERBAIJAN SSR R. Baku, 1400 2-2 in Persian, IS, ID, nx, not hrd on 6135 (Rigas-IL).
- 6110 MALTA R. Mediterran, IBRA Radio prgm 0700 1-20, IS, EG ID, mx, FR, strong (Alpert-NY);
R. Med, EG nx 2230, mx, clear ID 2259, poor in QRM 2-6 (Bolland-FL); 2240-2310 1-29,
ID 2253, talk of gypsies, good sig (Leite-MA); wx, ID, EG, to 2332 1-29 (Alexander-PA).
- 6110 PHILIPPINES VOA, nx 1705, Larry King's "Talk to America," 2-3 (Park-HI).
- 6115 CUBA RM over Havana, EG nx 0002 2-8 (Hankins-PA); mailbag 0210 1-20, questions from
Nam lstnrs (Kociela); 0400-0430 1-6, IS, ID, nx, "Nx & Views," excellent sig (Jordan).
- 6117 COLOMBIA LV del Llano, lively mx 2220 1-11, DJ yelling "super" and ID, fair-good
(Bobb-MN); LA mx, barely audible at 0635 on 1-5 (McKellar-CA).
- 6120 ALASKA KNLS, tent. them 2-3 at 1200, gal talking in CH behind Zinica, later behind
an unid. stn, KNLS in RS then (Field-MI).
- 6120 NICARAGUA R. Zinica, man with IDs 1146 1-5, romantic LA mx, TCs, fair (Bobb-MN);
tent. them, EG relig.prgm 1315 2-3, into SP 1330, no ID hrd but ltr from stn says
that they have Catholic and Protestant relig.prgms, also EG prgms (Field-MI).
- 6125 GDR RBI, Sun cmtry, nx in EG, #2315 1-20 (Alcorn-NJ); prgm on econ development 2330
1-19, ID as Afr Svc (at this hr?), talk abt arms race, all EG (Dillon-DC).
- 6125 SPAIN Madrid, 0500-0600 in EG 2-6, nx, mx, "Panorama," SP lesson (Lochmiller-IA).
- 6128-6132v PAKISTAN Islamabad hrd by several here. Quite good 1-11 1150-1230, Urdu talks,
PBC ID 1159, mentions of Pakistan, local mx, trxt to Bob Hill (who? JB) tip (Reinstein-FL);
EG IDs 1220, 1230, "This is R. Pakistan, Islamabad" (Sams); EG ID 1300 1-14, then EG
nx, hrd to 1310 (Swaringen-NC); fair-poor 1300 in late Jan, local city nx, wx, temps,
sunrise-sunset times (Howard-CA); in Urdu 1335 2-3, long talk by man, mentions of
Pakistan, suddenly off at 1346 (Rigas-IL).
- 6130 USA VOA, EG nx 0006 on 2-8 (Hankins-PA); "Jazz Hour" at 0355 on 1-19 (Kociela).
- 6138 BOLIVIA R. Santa Cruz, 0905 2-2, flute IS, IDs, opening anmts at 0908, folklorica mx
(Alexander-PA); vocals at 1020 1-19, poble.ID mentioning 960 Mw; make it tent. (Forth-IL).
- 6140 CUBA Havana, iG nx ending 0248 1-12, then a UN Radio tape! (Alpert-NY).
- 6150 AUSTRALIA ABC-Melbourne, "Teletalk" 0845 1-28, Australia Day (Park-HI).
- 6150 IRAN Tehran, AR 0400 1-7, patriotic march, time sig, ID; Iraqi jamming (Wood-HI).
- 6155 ANTIGUA BBC, SP noticias 0220 2-3, M&W talking on El.Salvador, //6055 (Park-HI).
- 6155 SINGAPORE R. Singapore, Malay ballads 1110 1-29, chants 1122, fair (Bolland-FL).
- 6160 CANADA CKZU-Vancouver, tent. them 1402 1-19, B.C. wx, IDs as CBC-B.C., PST TCs
(Hardester); sports 1540 1-12, Vancouver wx, nx, TC, IDs as "CBC Radio Nx" (Kusalik-ALB).
- 6160 COLOMBIA Em. Nueva Granada, gal w/Bogota nx 1040 1-14, talk, IDs; fair (Bobb-MN).
- 6160 USA WYFR, IS 0700 1-14, EG "Open Forum," Bible lessons, good signal (Wood-HI).
- 6165 BONNAIRE RN relay, vy strong 0029 2-8 (Hankins-PA); SP 0215, EG 0230 1-13 (Dillon-DC).
- 6175 ANTIGUA BBC relay, nx on ANZUS 0018 2-8 (Hankins-PA); end of "Letterbox" 0157 1-26, ID,
nx, press rvw, good (Dillon-DC); 2105 2-7, talk of wonders of the world (Hankins-PA).
- 6175 FRENCH GUIANA Tent. RPI relay, SP 1015-1025, talk, IDs, pops, VG signal (Bobb-MN).
- 6185 BRAZIL R. Bandeirantes, futbol 0150 1-17, fast talking, gooaalllls (Cobb-ME).
- 6185 SOUTH AFRICA SABC, Afrikaans at 0600, ID, into nx, good signal (Wood-HI).
- 6185 USA WRNO, rock mx 0357 1-19 (Kociela); 1-12, "Entertainment Coast to Coast" from CBS
young adult net just prior to 0530 Sat airing of World of Radio (Alpert-NY).
- 6190 IRAQ Baghdad, exc 2210 1-11, //7120, 9635, 9690, 11700, 11750, 11770! (Reinstein-FL).
- 6195 ANTIGUA BBC WS, world and UK nx in EG 1102 2-3 (Park-HI). See you in April; 73--



LOG REPORT

section C

6200 to 11699 kHz

Editor: David L. Walcutt, 211 West 56th, Apt. 38-F, New York, NY 10019

- 6304.9v CLAND. LV del CID; 0645 SP, LA mx, ID; //7400 (Alexander 1/19). Up from 6300 -ed.
- 6509.8 VIETNAM Cao Bang here at *1200 with Viet. anmts, ID by M voice; short singing piece without music background (Young 1/24).
- 6515.5 UNID Vietnamese talking, 1136-1243, FAX QRM; not Lang Song? (Young 1/24, 1/29).
- 6521.6 UNID Seems like another Viet. regional outlet here at 1213 with short anmts, VV mx, singing but mostly talking by M; this one I suspect to be Lang Son (Young 1/24).
- 6548.7 LEBANON V. of Lebanon; 0000-0139* AR M&W, local mx, anthem s/off (Alexander 1/27).
- 6576 KOREA PDR RP; 1615-1618 RS, ID "Govorit Pyongyang"; not jammed (Palmer-WA 1/14).
- 6587.4 LAOS Unid. Laotian here at 1210, remained extremely weak with little audio, through 1304; suspect Viet. stn just below on 6586.8 after 1200 some days (Young 1/25+).
- *6656.3v PERU R. Santa Cruz, Cajamarca; 0202-0320 SP M ID's, LAm pop mx and huaynos; fair-good; tnx D. Potter tip (Krueger 1/18+); 0211-0232+ bombing in w/exc. signal, variety of OA & LAm mx in the pgm titled "Onda Tropical"; many GMT-4 (summertime) TC's; ID "Estamos presentando "Onda Tropical", por Radio Santa Cruz; ex-6850v (Reinstein 1/19).
- 6610.3v VIETNAM Bac Thai regional outlet *1124 with singing mx, s/on anmts at 1130 with ID, VV talking & singing; next day s/on was on 6607.0 (Young 1/24).
- 6699.1 UNID Another Viet. regional with talking noted at 1223 on 1/24; much better on 1/25 when heard past 1320 with mx & talk to s/off at 1330* (Young).
- 6724.4 PERU R. Satelite; 0348-0359* SP, OA mx, W anc, several ID's; NA s/off (Alexander).
- 6740h GUATEMALA R. Tezulutlán, 0154 in passing; thought something good til found 'em on //3370, so only a 2nd harmonic (Reinstein 1/22).
- 6890 CHINA RB; 1044CH, sounds like a minor radio drama w/mother & child (Bolland 1/25).
- 6910 USSR "Mayak"; 0015-0030 RS, looking for Dublin but found this instead w/light instr mx, "Midnight in Moscow" (Mayak) IS at 0029, also at 0329 (Alexander 1/27).
- 6955 CHINA RB; 1025 JP, samisen-like mx, ID "Kochiwaru Pekin hoso desu..." by W, //4960, 7480 (Park-HI 2/3).
- 7035 CHINA CPBS Minority Languages Service; 1514 Kazakh, boring "khabarlar" (nx) of electric production; good (Wood-HI 1/14).
- *7054.7 PERU R. Celendfn; 0235-0318+ awesome signal on 1/18; T/in to "Soul Doctor" & a strip of soul/disco tunes, inexplicably ann'd as "música de romance"! 0255 ID "en esta manera estimados oyentes... sintonizar la programa... tropical en Radio Celendfn". 0301 had "atención Celendfn" mensajes. Finally lost in CW blitz by 0318 (Reinstein 1/19); 0250-0304 frequent ID's and ads, bland SP vocals, tnx Potter (Krueger 1/15).
- 7065 ALBANIA R. Tirana; 0008 EG nx, mx, review of Albanian press (Hinnov 2/6); 0125 unid lang tlk by W then opera mx (Hankins 1/9).
- 7080 ALBANIA RT; *0630 EG into news; good tonight (Alpert 1/8).
- 7090 ALBANIA RT; *0530 IS, ID "Parla Tirana" in Italian; notiziario; good (Wood 1/13).
- 7100 KUWAIT RK; 0435-0502 AR noted under RM N.Am. Svc. w/AR M&W hosting Arabic pops, ID, theme mx and news; //excellent 9880 (Krueger 1/18).
- 7105 ASCENSION IS. BBC W.S.; 0406 world news etc. (Feeley 1/13).
- 7115 BULGARIA R. Sofia; 2140 EG nx, ID, nuclear arms in Europe (Hinnov 2/6).
- 7120 ALBANIA R. Tirana; 0128+ EG, IS, opening anmts (Hankins 1/9, Alpert 1/5).
- 7120 CHINA RB; 1608 EG world news, interlude, "News About China" (Park-HI 2/4).
- 7135 AUSTRALIA RA; *0926 CH, IS, EG ID's, pgm of pleasant vocals; via Darwin (Wilkins).
- 7135 FRANCE RFI; 1700 FR ID, list frequencies; QRM, RM W.S. (Wood-HI 1/12).
- 7135 USSR R. Habana Cuba; 2240 EG, "PO Box 7026" pgm, s/off into M2 IS, RS nx; fair; presumed site is Tula Oblast per URSC (Krueger-FL 1/14).
- 7160 INDIA AIR Madras; *0255 IS, 0300 ID simply as "All India Radio", Hindi, Indian music; good but ham QRM (Wood-HI 1/13).
- 7170 NEW CALEDONIA RFO Noumea; 0658 ER, DJ w/patter, TC & ID, funny mx (Park 1/30).
- 7172v ANGOLA Emissor Regional do Lobito; 0409-0503 v. good using LSB w/nonstop highlife except for the R. Nacional vibraphone IS once at 0419; ID by W at 0500: "De Lobito, transmite R. Nacional de Angola", and back to mx (Krueger 1/26). 0452 carrier then 1:0500 mx inc. Big Band mx & jazz (O'Brien 1/18); 0500-0531 PT, long talk (maybe nx) & many ments of Republica Angola; drum IS w/ID at 0530 (Valko 1/18).
- 7200 SOMALIA RM; NA, Qur'an, East African vocals (O'Brien 1/30, Krueger 1/26).

- 7205 ZAIRE R. Lubumbashi; 0413-0449 FR/vern., tuned past frequency at 0409 and nothing here; came back at 0413 and already into long speech hi-life mx 0425, ment. of "La Voix de Nationale" followed by ID at 0446 (Valko 1/17).
- 7215 BULGARIA R. Moscow N.Am. Svc., Sofia relay; 2320 EG, arms race, ID (Dillon-DC 1/19).
- 7225 INDIA AIR External Svc.; *0230 Pushtu ID, nx; //9630 (Wood-HI 1/13).
- 7235 JAPAN RJ; *1655 IS, EG, JP ID, 1700+ EG nx; QRM RCI via BBC relay (Wood 1/12).
- 7235 UK RCI, Daventry relay; *1700 RS, ID "Govorit Kanada", nx (Wood-HI 1/12).
- 7255 NIGERIA VON; 2145-2200 FR, hi-life mx, W DJ w/mailling address, EG ID (Dillon 1/12).
- 7260 CYPRUS BBC; *0355 Bow Bells IS, local EG ID, into World Service nx (Wood 1/7).
- 7260 INDIA AIR, Madras; 0230 Hindi ID, news; good (Wood-HI 1/13).
- 7260p IRAQ RB; 1405-1425 AR mx, no ID heard (Palmer 1/14).
- 7260 UK RCI, Daventry relay; *0315 IS, Russian ID, news; good (Wood 1/25).
- 7265 SRI LANKA? DW, Trincomalee relay; 1206 JP, ID and address (Park-HI 2/3).
- 7270 INDONESIA RRI; 1200 IN, "Love Ambon" IS, ID & nx; //11770 (Park-HI 2/3).
- 7270 MALAYSIA RM, Kuching; 1105-1130 Iban M&W w/nx, mx; //4894.9 (Bolland-FL 2/6).
- 7270 POLAND R. Polonia; 2230-2259 EG nx, ID, "Review of Int'l Events & Developments" (Polchlopek 1/20); 0230 EG nx, language lessons (Levison 1/22).
- 7275 KOREA REP. RK; 1027-1048 EG nx by W, ID, into unid lang. at 1030; back to EG nx at 1045 (Alexander-PA 2/3); 1135 EG, "SW Feedback" w/call to IRCA's Bill Harms (Park).
- 7300 ALBANIA RT; 0340 EG, commentary, Albanian constitution (Kociela 1/19).
- 7310 U.A.E. R. Dubai; 0330-0345 EG nx by M, press review by W; //9565 (Hill 1/21); 0330-0400 EG, nx, UAE nx, pgm on ME women (Lochmiller-IA 1/27); 0330-0345 EG, ID's, Time signal, news on Iran-Iraq war, press review (McLemore 1/21).
- 7355 USA WRNO; 0100-0145 EG, rock mx, ads, QSLing instructions (Mayer 1/1, Stuart 1/12).
- 7365 USA KGET; 0234 SP, ID (Hankins 1/10).
- 7382 PIRATE "WKUE"; 2146 rock mx & "74 WKUE" ID, faIR (Rigas 1/26).
- 7396 PIRATE Voice of Venus; 0001 new wave rock & weird death stories (Rigas 1/27).
- 7396 PIRATE "WKUE"; 2306 "your stn. for all the oldies 74-WKUE" ID repeated many times (Lochmiller 1/20); 2259-2326* rock, frequent ID's, DJ Mr. Coffee (Tutak 1/20).
- 7418 PIRATE "KPRC Int'l"; 2020 humor skit, ID, Hilo address (Tutak 1/19).
- 7420 BELORUSSIAN SSR R. Minsk; *2130-2157*, Minsk IS 3 times then ID "Havorits Minsk" by M; then "Radiostantsiya Belorus" by W (Reinstein-FL 1/11).
- 7424 PIRATE "KROK"; 2043-2113* rock oldies (Rigas 1/26, Tutak 1/26).
- 7424 PIRATE R. North Coast Int'l; 2115-2126 w/ID's by Capt. Willie (Tutak 1/26).
- 7424 PIRATE "KQSB Int'l"; 2144-2156*; Tangerine R. relay (Tutak 1/19, Lochmiller 1/19).
- 7424 PIRATE "Zeppelin Radio Worldwide"; 2200-2216 ID, address (Lochmiller 2/3).
- 7426v PIRATE R. North Coast Int'l; *2116-2142* new wave rock (Rigas 1/26, Lochmiller 1/26).
- 7430v PIRATE "KRZY"; 2323-0300, young kids, fake ads etc. (7 reporters).
- 7430 PIRATE Reggae Radio; 0025-0130, "Humpty Dumpty B.C." (Lochmiller 1/21, 1/28).
- 7430 PIRATE Radio Soundwave; 0200-0230+ top 40 hits, comedy, ID's (Lochmiller 1/28).USB
- 7430 PIRATE R. Woodland Int'l; 0019-0038* rock mx, talk on conserving energy by walking instead of driving ("... the conveniences that make our life easier will make our life shorter..."); ID, Hilo address (McLemore-FL 2/2).
- 7430 PIRATE "WKUE"; 0141-0200 DJ "Laughing Girl" w/rock mx (Richards-CT 1/19).
- 7430 SYRIA SARBS; 2330-0000* PT, ballads, short talk on nuclear armament, many ID's as "aqui Damascus"; national anthem at 0000* (Cobb-ME 1/15).
- 7434 PIRATE Zeppelin R. Worldwide; 0131-0152, quick ID & QSL info (Reinstein 1/19).
- 7435.5 PIRATE Tangerine R.; Tang. R. Telethon soliciting contributions (Tutak 1/20). USB
- 7545v CLAND. La Voz de Alpha 66; *0200-0229* SP, chime IS, short anthem, M&W w/usual anti-Castro, anti-Soviet cmnts, slogans like "arriba Cubanos", "Cuba para los Cubanos"; drifting horribly; ann'd sked as MWF 9 PM i.e. T, TH, Sat UTC 0200 (Wilkins 1/22); *0200-0229* usual 10-note IS, ID amid theme mx; "Para el pueblo de Cuba que sufre, aqui esta La Voz de Alpha 66"; garbled audio; tnx Zeller (Reinstein 1/9).
- 7550h USA KCTX, Childress, Texas, 1510 kHz. x 5; high school basketball (Bigley 2/5).
- 7973 UK BBC feeder; 0238-0245 Thai?, ID, good signal; USB (Trotto-FL 1/23).
- 8002 PIRATE "KBFA"? 1505-1523* rock mx, ID's, reports should go to Popular Communications; could not quite get the call letters (Rigas-IL 1/20).
- 8005 USSR RCD33, Moskva; 0048-0125 USB feeder; M2 IS 0059, nx summary, classical mx; site is per CFL; clear/fair (Krueger 1/18).
- 9022 IRAN VOIRI; 1930 EG ID, chanting; p (Feeley 1/10); 1949-2014 EG, "Review of 1984", ID at 2012; f-p (Tutak-NJ 1/5); 2020 EG report on what Islamic revolution is doing for education... "God willing." Weather. (Alcorn-NJ 2/2).
- 9360 SPAIN REE; 2305-0105 SP, nx and info (Daly-NY 2/3, Hankins-PA 1/7).
- 9410 UK BBC W.S.; 1604-1800 news etc. (Palmer 1/11, Park 1/25).
- 9440 ISRAEL KI; 0108 EG, news items, cmntry (Hankins-PA 2/6).
- 9465 PAKISTAN RP; 1914 FR, IS, horn flourish & anmt inc. ID (Park-HI 1/16).
- 9480 ALBANIA RT; 1845 EG, news and Albanian music (Alcorn-NJ 1/13).
- 9490 USSR R. Magallanes; 0205-0229* SP, talks ment. Chile, the U.S., Moscow, Reagan; Chilean flute mx & string instrumentals from 0220 to s/off (Jordan 1/14).
- 9500 PHILIPPINES FEBC; 1330 EG/lang., IS, ID in EG, into rel pgm in lang (Zilmer 2/3).
- 9505 JAPAN RJ; 0843 JP coverage of New Year's Grand Sumo Tournament in Tokyo (Park-HI 1/23); 1702+ EG, nx, seldom this good lately; //7235 (poor) (Palmer-WA 1/12).

9510 GUAM TWR; 1420-1430 EG anmt for Bible correspondence course, ID, freq anmt, said that next EG broadcast would be in 30 minutes; WYFR QRM (McLemore 1/11).

9520 HUNGARY R. Budapest; 0200 EG, news, cmnt; //6025 (Zilmer 1/29).

9520 PERU R. La Crónica; 1145 SP news & rel pgms, ID 1159; f (Forth-IL 1/19); 0010 SP ads for Santa Rosa section of Lima, show mx; fair; jammer against RL (Wood 1/13).

9525 INDIA AIR; 0220 Hindi, film mx, light style; g (Wood-HI 1/13).

9525 NORWAY RNI; 2055 NW IS w/ID's in Norwegian and English (Swaringen-NC 1/8).

9535 ANGOLA R. Nacional; 2110-2141 PT, heard amongst QRM with political comments, ments Angola and talk on Angolan exports; ID at 2127 into hi-life mx (Tutal-NJ 1/5).

9535 FR. GUIANA RFI; 0124 SP/FR mx, nx (Hankins 2/6, Park 1/26). Exact //9790 -ed.

9560 ETHIOPIA VORE; 1455 Arabic mx, piano IS then EG ID, nx (Hewitt 1/13).

9585 BRAZIL R. Excelsior, São Paulo; 0154-0205 then with PT M live coverage of São Paulo soccer match, live ID (Krueger 1/31).

9584 CLAND. Türkiye Kommunist Partiyi Radyo; *1455 TK, 12-note IS on organ or electric piano, short anthem at 1501 then ID. Bulgaria site? (Sams 1/16). Maybe Romania site.

9595 ETHIOPIA VORE; *1857 IS, EG list coming pgms inc. V. of Namibia (Wood 1/13).

9605 VATICAN VR; 0050-0110 EG, nuclear conference in Rome, nuke winter (Karsh no date).

9610 IRAQ R. Baghdad; 2102 GM? into EG at 2200+ (Jordan 1/6); 2129 EG ID and s/on (Feeley 1/19); 2130 EG, s/on, news (Green 2/3).

*9618.0 MOZAMBIQUE RM; 0350 PT w/hi-life mx, TC's, ID, nx at 0400; v.good (Rigas 2/6); heard from 0352 tune-in with absolutely fantastic signal level; morning pgm of EZ mx to 0400 then 4 xylophone tones into ID, TC and nx to 0407; exercise pgm, children's pgm then pop mx at 0426; heard nightly (Tutak 1/21); *1748-1800 PT, xylophone IS, ID's in EG and PT; PT tlk by W then what sounded like EG by M w/pgm sked (Valko 1/14).

*9680.3 MEXICO XEQQ; 1411 SP, re-activated freq.; relays XEQ, 940 MW; interview w/pop star, PSA's and ads for Turin chocolates; TC "8:11 en Q Mexicana, voz pública" (Wilkins 2/7).

9685 SRI LANKA DW, Trincomalee; *1654-1800 GM, site ID in EG at 1655 (Valko 1/15).

9685 USSR R. Vilnius; 2306 EG news, music (Levison 1/18).

9689t MADAGASCAR RTVM; 0625-0640 presumed Malagasy, indigenous folk choral mx, W ancr with brief talk & possible ID, def. ment of Madagasikira; 2 W w/banter; p (Jordan 1/26).

9700 BULGARIA R. Sofia; 2308-0046 EG, reports & mx pgms; 3 reporters).

9705 MEXICO RM; 0028 SP, musica romantica (Levison 1/30). 0052 SP soccer (Hankins 2/7).

9710 SWAZILAND TWR, Manzini; *1900 EG ID, into PT to Mozambique, hymn (Wood-HI 1/13).

9710 SWEDEN RSI; 2100 EG nx, SCDXers; to Africa; //11955 (Zilmer 1/29).

9725 SWAZILAND TWR; 0630 EG "Open House" show, 0700* and stupid instructions to retune to unspecified freq's in "49, 41 and 25 meter bands"; naturally I couldn't find it (Wood).

9745 CAMEROON Yaoundé; 2045+ EG, ID "This is Yaoundé the National Service of RC"; time of EG varies from day to day; hi-life mx (D'Angelo 1/26).

9749 TANZANIA RT; 0359 EG ID, tipe pips, nx; fair-poor (Rigas-IL 2/6).

9755 DOMINICAN REP. R. Santiago; 1750-1815 SP, two-tone chimes, def. ID (Jordan 1/12).

9755 USSR R. Afghanistan; 1721 Pashto or Dari, traditional mx, fluttersy (Palmer 1/8).

9760 ETHIOPIA VORE; 1505 EG, jazz til 1529 then ID, time pips, news; poor, much better following day (Rigas-IL 1/13).

9764.2 TRANSKEI Capital Radio; 0600 EG, nx, ads then pop mx pgm; very weak (Wilkins-CO 2/12); 0605-0625 EG, DJ with pop mx, ads for resort hotel, sports (Lochmiller 2/4).

9775 BANGLADESH RB; *1315-1345* in Nepali, fair at the beginning with IS, ID and talk; Moscow took over after 1335 (Rigas 1/13); 1320-1400 unid lang., sitar mx, later brass band mx; W; fair (O'Brien 1/13).

9778 DOMINICAN REP. R. Santiago; 2115 SP, musical request pgm (Zilmer 1/27). Cf. 9755 -ed

9780 SPAIN REE; 2330 EG, ID followed by "Spain Step By Step" (Daly 2/3).

9785 SWAZILAND TWR; 1816 EG, preacher w/African accent (Park-HI 1/28).

9790 FR. GUINEA RFI; 1009 SP, nx? (Hankins 2/7); 1113 FR, Moody Blues mx (Park 1/19); 2340-0453+ FR/EG nx, etc. (Pochlopek 1/21, Jordan 2/2, Dillon 1/13, Swaringen 1/23).

9840 USA VOA; 0215-0300 SP, news features (Park 2/4, Hankins 2/6).

9905 QATAR QBS; 2110-2130* AR, Arabic mx, Qur'an, NA and off (Swaringen 1/7).

9912 INDIA AIR; 2105-2120 EG, nx of region, Indian mx; also on 11620 (Swaringen-NC 1/7).

9915 UK BBC W.S.; 0000 news (Walker 1/16).

9930 PIRATE "KRZY"; 2008-2113* comedy & rock mx (Rigas 2/3, Lochmiller 2/3, Green 2/3).

9988.3 PERU Estación 2000; 0110 SP, tropical mx, baladas, ads in echo-chamber (Wilkins 2/7)

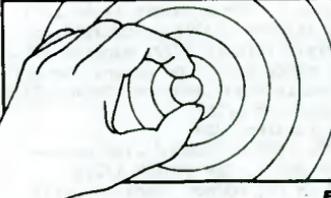
10040 VIETNAM VOV; 1800-1825 EG, nx, cmnt, lbx pgm (McKellar 1/9).

11620 INDIA AIR; 2015-2120 EG, lbx, film mx, mx, cmnt (Lochmiller 1/21, Green 2/5).

11675 KUWAIT RK; 1900+ EG, cmnt, about how the Arabs were double crossed by Truman and then West after WWII; then into rock mx; ID: "This is R. Kuwait" (Hewitt-MI 1/14).

11685 SYRIA Radio Damascus; 1948 FR into EG at 2006, pop mx (Hankins 1/19); 2010-2030 EG, nx, cmnt, ME mx, some pop mx (Lochmiller 2/5); 2012-2139 EG nx with summary of main points at 2017; ID "That's the end of the news from Damascus." ME mx (D'Angelo 1/27) 2019 EG, tune-in to news, ID, into local mx at 2020; "View of the Local Press" at 2022 (Alexander 1/30); 2020-2030 EG report on cultural symposium, press review, ID, address, Syrian folk music (McLemore 2/5); 2024 EG nx, item about Israeli invaders, ID as "Radio Damascus", into pop mx; said English Service 2000-2100 (Thim 1/19).

11690 SPAIN SFR; 1930-2030 EG, nx, cmnt, mx; //9780 (Zilmer 2/2); 1936 EG, comments re: USSR-USA negotiations on missiles; world news (Hankins 1/14). 73, *Jue*



LOG REPORT

section D

11700 and above

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- 11700 USSR R. Moscow in Dari/Farsi 1330-1405, world nx, pop mx, IS (Dillon 1/20)
- 11700 DOMINICAN REPUBLIC R. Earth via R. Clarin 1650-2210, mailbag, tlk, pop tunes, ads, DX pgm, into SP 2209 (Lochmiller 1/27, Alcorn 1/20, Alexander 1/27)
- 11715p FRANCE RFI in FR 1710, pop mx, fair sig w/fading (McKellar 1/17)
- 11715p ALGERIA RA in lang 1815-1830, ME mx, ID in EG, f (McKellar 1/19)
- 11730 SPAIN RNF in SP 0618-0625, ID, tlk, mx, f (Trotto 2/7)
- 11740 MADAGASCAR R. Nederlands relay in EG 1503, pgm on computer piracy (Park 2/4)
- 11740 VATICAN STATE Vatican Radio in IT 0700-0715, nx in IT/FR/EG, g (Trotto 1/26)
- 11740 USA VOA Greenville (UN) in EG 0730, nx, promo beamed to Afr, f (Alpert 12/11)
- 11740 USA V. of Free China via WYFR in CH 0330-0400, into SP 0400 (Dillon 1/13)
- 11745 GUAM KTWB in lang 2155, IS, ID, f (Stuart 1/11)
- 11750 ASCENSION IS. BBC relay in EG 2320-2330, merchant navy nx, g (McKellar 1/10)
- 11755 NORTH KOREA R. Pyongyang in EG 2345, tlk on econ devel, g, //15340 (Wood 1/12)
- 11755 CHINA R. Beijing in EG 0830, IS, world nx, sports, nice mx (Park 1/29)
- 11760 VATICAN STATE Vatican Radio w/IS for 2015 s/on, wiped out by VOA (Hankins 1/21)
- 11760 TANGIER VOA relay in EG 2000, nx, wiped out by Vatican s/on 2011 (Hankins 1/21)
- 11760 CUBA RHC in SP 1640-1645, tlks, ID, propaganda, f (Dillon 1/12)
- 11770nf WEST GERMANY DW in GM 0024, nx, discussions (Hankins 1/23)
- 11770 YEMEN DYBS in AR 1900, ID, nx, //6005, g (Wood 1/13)
- 11770 NIGERIA VON in EG 2028-2040, ID, nx, tlks (Stuart 1/22, Thim 1/28, Alcorn 1/20)
- 11770 INDONESIA RRI Jakarta in IN 0800* after ID, better than 11700, g (Wood 1/17)
- 11775 PHILIPPINES VOA relay in EG 2330, nx, sports, f-p (Zilmer 1/25)
- 11780 BRAZIL R. Nacional de Amazonia in PT 1040, tlks (Hankins 2/7) 1600-1616 in PT, ballads, f (Cobb 1/13) 2100-2340 in PT, tlk, ads, mx, ID (Mayer 1/2, Daly 2/3, Trotto 2/6)
- 11785 UNIDENTIFIED probably Egypt in Voice of the Arabs pgm, AR 1920, AR mx, QRM from 11780 very strong (Hankins 1/14)
- 11785 WEST GERMANY DW in EG 1610-1650, nx, cmtry to Asia, f (Zilmer 2/1) in SP 0235 chamber mx with beautiful orchestra (Hankins 1/15)
- 11790 USA AFRTS Bethany w/basketball game in EG 0340 (Kociela 1/5)
- 11800 USSR RM in EG 0800, nx, //11705 & 9750, both weaker (Alpert 12/26)
- 11800 ITALY RAI in IT 1830, hymns, relig tlk (Hankins 1/19)
- 11805 USA AFRTS Delano in EG 1645-1650, various features (Dillon 1/12)
- 11810 SOUTH KOREA RK in EG 0200, cmtry on Korean telecommunication industry, rock mx, f (Zilmer 1/27) in AR 1943, s/off incl ID & skeds, QRM (Park 1/6)
- 11815 NETHERLANDS ANTILLES TWR Bonaire in EG 1119-1330, wx, nx, relig mx, "The Worship Hour" (Blanchette 1/23, Richards 1/16, Dillon 1/13)
- 11815 GABON Voice of Gospel over Africa #1 in lang 1725, ID (Field 2/2)
- 11825 UNIDENTIFIED pgm in lang 2129, nx, celeste IS, exc sig. ED: Most likely this is Radio Free Europe in Bulgarian which xmts 1700-2143 this freq.
- 11830 VATICAN STATE Vatican Radio in EG 2205, nx, cmtry, f-p (Zilmer 1/22)
- 11830 USA VOA Bethany in SP 2346-0030, nx, mx, ID's & address given (Ford 1/21-22)
- 11830 LIBERIA ELWA in EG 2045-2119*, ID 2045, "Hour of Freedom", nx, ID, (Hill 1/13)
- 11835 AUSTRIA ORF in GM 1900, IS Strauss waltz but rest of pgm blotted (Hankins 1/26)
- 11840 USSR R. Moscow in EG, nx, propaganda (Hankins 1/15)
- 11840 CUBA R. Moscow relay in EG 1650-1700, ID, features, freq changes (Dillon 1/12)
- 11845 USSR R. Peace & Progress in EG 1330-1400, IS, ID, freq amnts, f-g (Jordan 1/17)
- 11845 USSR R. Moscow in Gujarati(p) 1300-1330, ID, tlks, orch mx (Jordan 1/17)
- 11850 CANADA RCI in FR 0044, "La Semaine au Canada" QRM fr WYFR (Park 2/3) also hrd in EG 0021, political discussions (Hankins 1/23, Trotto 1/17)
- 11850 NORWAY RNI in EG 1720-1730, "Norway Today" (Lochmiller 2/3) in EG/NO 1615-1730 folk mx, tlks on arts & crafts, nx, no ID's, features (Jordan 2/3)
- 11855 SAUDI ARABIA BSKSA in EG 1740-1830, p but readable with ECSS, phone-in pgm, quiz show, "Arabic by Radio", rock mx (Hill 2/1)
- 11855 BRAZIL R. Aparecida in PT 1029-1040, ID, tlk, chorus, f-p (Bobb 1/22)
- 11860 NORWAY RNI in EG/NO 1600-1630, IS, ID, features (Lochmiller, McKellar 1/4&27)
- 11865 SYRIA R. Damascus in EG 2008, nx, cmtry, mx, g (Blanchette 1/27)
- 11870 SWITZERLAND Red Cross BC Service in EG *1545-1615, s/on w/trumpet IS, ID, skeds, "Red Cross Update", features (Valko 1/27, D'Angelo 1/27, Jordan 1/27)
- 11875t TAIWAN WOFC in SP 2345, mx and address (not WYFR relay) (Hinnov 2/6)

- 11885 SOUTH AFRICA SABC in Afrikaans 0830, phone-in show, f, QRM & jammer (Wood 1/3)
- 11900 SOUTH AFRICA RSA in FR after ID in EG at 1959, f (Alpert 12/29) in EG 2110, nx
cntry, rock mx, negative reaction to Kennedy visit (Stuart 1/22, Hanks 1/15)
- 11900 USSR R. Moscow-Asia in RS 1905-1940, nx, at 1930 minor-key IS on organ, "Govorit
Vladivostok" ID, and R. Tikhy Okean pgm produced in Vlad. studios (Palmer 1/16)
- 11905 CANADA RCI in EG 1900-2000, nx, exc (Brann 1/1, Hanks 1/21)
- 11910 PORTUGAL R. Portugal in PT 1900, ID, nx, //15250 (Vadinc 1/19)
- 11920 JORDAN HKBS in AR 2044-2123, poss ID w/nx at 2100, 2105 on seemed like phone-in
mx requests, copy unclear when ID anons, bad QRM REF & WYFR (Tutak 1/22)
- 11930 FRANCE RFI in FR 1620-1640, discussion, "Ramona" in FR, DJ pgm (Hanks 1/13)
- 11935 BANGLADESH RB in EG *1227-1300*, carrier into the classic violin/tanpura IS, ID
cntry, subcontinental mx, choral folk nx (McLemore 1/13, Krueger 1/16)
- 11940 GABON Africa No. 1 in FR 1830-1850, DJ pgm, "Musique a Go Go", ID, TC (Dillon)
2205-2300 in FR, variety of mx, tribal, rock (Sharpe 2/3)
- 11945 NORWAY RNI in NO 1858-1904, IS, ID in EG/NO, nx, polar flutter (Palmer 1/11)
- 11955 UNITED ARAB EMIRATES Dubai in EG 1620-1640, ME mx, time pips (Jordan 1/26)
- 11955 SINGAPORE BBC relay in JN at 1030 after pgm in CH, nx, QRM R. Japan (Park 2/1)
- 11965 PHILIPPINES VOA relay in RS at C743, brief IS, single ID, tlks, jammer (Park 2/3)
- 11965 WEST GERMANY DW in EG 1500, freq & sked, nx, beamed to Africa (Zilmer 1/17)
- 11970 CHINA P. Beijing in EG 0014, sports nx about Australian events (Thim 1/31)
- 11980 BELGIUM BRT *1645 IS, 1700 ID, DT to Africa, nx, g (Wood 1/14)
- 11985 ALBANIA R. Tirana in EG *1730-1755, ID, nx, native mx, p (Jordan 1/26)
- 12010 USSR R. Moscow(Asia) w/powerhouse sig 2115-2200* in EG, xmtr site believed to
be Novosibirsk, //12050 remained on past 2200, also strong (Palmer 1/14)
- 12015 PAKISTAN RP in Urdu(?) 1817-1901*, fluttery sig, choral NA at s/off (Palmer 1/4)
- 12040 UNITED KINGDOM BBC in EG 2141, lecture, pgm re Argentina, p (Hanks 2/1)
- 12050 USSR R. Moscow(Asia) in EG 2031, tlk abt Russia in WW II, g (Park 1/13)
- 12085 SYRIA Damascus R. in AR/SP 2225-2305, nx, tlks, mournful mx, ID (Jordan 1/26)
- 12095 UNITED KINGDOM BBC in EG 1740-1800, relig story, TC, ID, sports, f (Mayer 12/30)
- 13665 SOUTH KOREA RK in KR 0214, rec for rpts in 4 langs, various types mx (Park 2/3)
- 15030 CHINA R. Beijing in SP 2350-2356*, tlk on reuniting families, g (Wood 1/12)
- 15035 TAIWAN WYFR via WOFC in EG 2248-2300*, relig pgm, abrupt s/off (Krueger 1/29)
- 15040 CLANDESTINE V of the Libyan People in AR 1924-1950, children singing, martial mx,
trumpets, ID, //11640 but jammed (Paszkiwicz 1/20, Daly 1/14)
- 15045 USSR Coastal R. (Primorskoe Radio) Vladivostok in RS *0700, local IS on chimes,
ID "Govorit Vladivostok", dance mx, TC 0705, RS nx, g (Wood 1/9)
- 15084 IRAN VoIRI in FR 1925-1935, tlks, mention of Khomeni, ID 1930, f-p (Jordan 1/12)
- 15100 EAST GERMANY RFI in EG 1545, nx, cntry, newsreel, //11785, f (Zilmer 1/25)
- 15105 CHINA R. Beijing in SP 2316, tlks by M & W, //15180, QRM Kiev & KTWB (Park 1/20)
- 15105 ANTIGUA DW relay in SP 0015-0031, political tlks, mx, ID, into PT (Dillon 1/28)
- 15110 USSR R. Moscow(Asia) in AR 0432, talks re Russ leaders, //12030 (Park 2/2)
- 15115 NO. MARIANAS KFBS in Sudanese 1008, relig pgm, kids singing, tlks (Park 1/30)
- 15115 GUAM KTWB in Mandarin 2256, tlks, "Chariots of Fire" theme, ID, f (Park 1/9)
- 15120 NIGERIA VoN in EG 2152-2202*, nx about Nigeria, pop mx, NA (Brouillette 1/19)
- 15120 VATICAN STATE Vatican R. in EG 1550, cntry re Kennedy's S. Afr trip (Hewitt 1/19)
- 15125 TAIWAN WOFC in JN 0645-0701*, DJ playing CH & EG pop mx, //11915, p (Park 1/12)
- 15130 USA WYFR Family R. in PT 2205, "A Bible Fala", relig mx (Brouillette 1/19)
- 15135 FRANCE RFI in SP 1132+, nx (Hanks 2/7)
- 15140 USSR R. Moscow(Asia) in EG 2203, nx, "The Soviet Way of Life", QRM, p (Park 1/9)
- 15150 INDONESIA VoI at 0830 w/EG lesson on IN forms of address, //11790, g (Wood 1/12)
- 15150 PHILIPPINES VOA relay in EG 2334, nx, report on terrorism, f (Park 1/30)
- 15155 ECUADOR HCJB in EG 0030, long ID & horn IS, nx, QRM Australia 15160 (Park 2/2)
- 15160.5 MEXICO XEWX La Voz de la America Latina in SP 1625, back from 15177v (Wood 1/12)
also in SP 2213-2240, interview, ads, sports pgm, g (Brouillette 1/19)
- 15165 DENMARK RDI in DN *1300-1350+, celeste IS, ID in EG, nx, mx, tlks (Jordan 2/3)
- 15175 PAKISTAN RP in AR 0430-0500, Qur'an, nx, s/off w/o NA, g but hum mod (Wood 1/5)
- 15175 MEXICO LV de la Amer Latina in SP 0051-0105, TC, ads (Dillon 1/26) ED: see 15160
It seems like this sta is moving around some.
- 15185 SOUTH AFRICA RSA in DT *1700-1710, IS, EG/DT ID, TC, nx, f (Mayer 1/6) also in QM
at 1830, discussion re economy & industry, QRM 15180, p (Park 2/4)
- 15190 CONGO RTC Brazzaville in FR 2054-2142, nx, mx, cntry (Hawk 1/21)
- 15215 ALGERIA R. Algiers in EG 2010-2030, nx on Israel & Lebanon, ID (Swaringen 1/7)
- 15220 TURKEY VoT in TK 0600, ID, nx, QRM R. Moscow, f (Wood 1/13) also in TK(p) 1235,
vocalist w/plaintive, upbeat mx, ID, prayers, f-g (Jordan 1/17)
- 15230 NORTH KOREA R. Pyonnyang in EG 2302-2345, tlks, nx, skeds (Park 1/18, Wood 1/12)
- 15255 EAST GERMANY RFI in FR 1655, pol cntry, g (Wood 1/14) QM mx 1420 (Levison 1/29)
- 15265 INDIA AIR in EG 1900, nx of swearing in of PM R. Gandhi, g (Wood 1/14)
- 15280 SINGAPORE BBC relay in EG 0902, nx, press review, promo "waveguide" (Park 1/21)
- 15290 USA VOA Bethany relay in FR 2040, DJ w/latest Afr & US hits, nx, skeds (Park 1/7)

15295 ECUADOR HCJB in SP, ID, mx, time pips (Hinnov 2/6)

15320 AUSTRIA ORF in EG 1233, wx rpt, more snow, weekend clearing (Blanchette 1/4)

15320 AUSTRALIA RA in EG 0009, country mx (Levison 1/14)

15345 SWEDEN RSI in EG 1400, nx, Stamp Corner, freq replaces 15260 (Zilmer 2/4)

15345 ARGENTINA RAE w/ID in SP, FG, GM, FR, IT, JP, PT, AR, then into PT to Brazil, nx, g (Wood 1/13) also in EG 0218, country (Levison 1/15)

15355 USA WYFR Family Radio in EG 2217, "Stories of Great Christmas", p (Park 1/15)

15370 SAUDI ARABIA BSKSA in Farsi 0405, nx, attack on "regime e Kabul", g (Wood 1/13)

15380 USA WYFR Family Radio in EG 2203, relig mx, very strong sig (Hankins 2/5)

15385 USSR R. Moscow(Asia) in EG 0302, nx, "The Way We See It", p (Park 1/19)

15390 ASCENSION ISLAND BBC relay "Calling Falklands" *2130-2200*, interviews, political discussions re Falkland Is. and Britain (Jordan 1/25, Park 1/18)

15390 ECUADOR HCJB in SP 1416-1423, tlks, violin mx, ID, science pgm, vg (Dillon 1/12)

15400 FINLAND RF in EG 1330-1350, ID, features, sig gone by 1350 (Dillon 1/13)

15405 VATICAN STATE VR in SP 1400-1416, YL w/tlk about the Pope, clear ID (Dillon 1/12)

15410 USA VOA Greenville in EG 1730, "Now Music USA", nx, xmsn to W. Afr (Park 1/20)

15415 USA VOA Greenville in EG 2202, nx, "VOA Jazz Hour", xmsn to W. Afr (Park 1/18)

15425 AUSTRALIA ABC Perth in EG 2345, world and local nx, g (Wood 1/12)

15430 SWITZERLAND SRI in EG 1500, nx, "Dateline", f (Zilmer 1/19)

15430 USA AFRTS Greenville in EG 2127, nx, ID, jazz, TC, beam to Newfoundl'd (Park 1/7)

15435 FRANCE RFI in FR 1345-1400, interview, rock mx, nx, ID (Dillon 1/12, Hankins 2/7)

15450 PHILIPPINE IS. FEBC in EG 0500* w/suggestion to "retune to 11890 or 21515", g (Wood 1/22) also in EG 0400, ID, TC, relig pgm, p (Park 2/1)

15455 USSR R. Moscow via Nikolayev in EG 1330, nx, ID, //15475 (Dillon 1/12)

15455 USSR R. Moscow(Asia) in EG 2337, tlk on Soviets in WW II, //17700 (Park 2/2)

15474 ANTARCTICA R. Nac Arcañel S.Gabriel in SP 2237-2325, Argentine folk mx, clear ID at 2228, barely audible (Brouillette 2/2) also in SP 0025 (Hankins 2/6)

15475 USSR R. Moscow in EG 1115, nx & propaganda (Hankins 2/7) 1315 in EG, interview, various features, xmtr site at Simferopol per UBN (Dillon 1/12)

15555 CLANDESTINE Egypt(?) R. Azadi e Iran in Farsi 0500, ID, polit tlk, g (Wood 1/22)

15566 USA WYFR Family Radio in IT at 1852, gospel pgm, Bible reading, p (Park 1/27)

17510 SYRIA Damascus R. in EG 1230, country, classical mx, ID, f (Trotto 1/27) also in EG 1250-1259* w/pop mx, headlines, ID's, g (McLemore 1/27)

17575 MADAGASCAR R. Netherlands relay w/IS 0825, ID in IN 0830, nx, //21485 (Wood 1/12)

17605 NETHERLANDS ANTILLES Bonaire relay of RN in EG *2030, "Newline", report on ice skating tour, "Media Network" (Alcorn 1/20, Park 1/17)

17640 USA VOA Greenville in FR, ID, mx, course in EG (Hankins 2/5)

17675 EGYPT R. Cairo in EG 1311-1330, ID, "Arabic by Radio", EG off 1330 (Trotto 1/26)

17700 USSR R. Moscow(Asia) in EG 0043, "Tonight" pgm, interview, //17720 (Park 2/2)

17710 SINGAPORE BBC relay *2355 Bow Bells IS, 2359 local ID, 0000 into nx (Wood 1/12)

17715 AUSTRALIA RA in EG 0339, "Sporting Service" race highlights, p (Park 1/19)

17715 USA VOA Bethany in EG 2232, xsmn to W Afr, nx, jazz (Hankins 2/5, Park 1/8)

17717 COLOMBIA R. Nac in SP 2030-2100, classical mx, ID (Jordan 1/5)

17720 USSR R. Moscow(Asia) in EG 2230, nx, "Spotlight on Sports", p (Park 1/18)

17730 USA WINB Red Lion, Pa. in EG 1830, ID, piano mx, f/c 1850 (Stuart 1/21)

17735 PHILIPPINE IS. VOA relay to SE Asia in EG 0331, nx, feature, mx, p (Park 1/19)

17752 PAKISTAN RP *0400 IS, into Urdu, TX, ID, nx, QRM R. Australia, g (Wood 1/10)

17795 AUSTRALIA RA in EG 2300, nx, f (Brann 1/8)

17845 USA WYFR Family Radio in EG 1605-1615, relig songs, mailbag, ID (Dillon 1/12)

17890 ECUADOR HCJB in SP 2045, relig pgm "When the Roll is Called Up Yonder" (Hankins)

17895 SAUDI ARABIA BSKSA in AR 2047, "Tonight We Love" mx (Hankins 2/5)

21465 USA VOA Bethany in EG 1720-1945, DJ prgm, mailbag, tlk on violence in S. Africa ID, xmsn to W. Africa (Hankins 2/5, Mayer 12/16)

21580 PORTUGAL R. Free Europe in EG 1635-1700, tlk & mx between items, ID "Tuk e Radio Svobodna Europa", f (Mayer 12/16)

271 loggings for Log Section D received this month compared to 293 in February and 375 in January. The smoothed sunspot number has been running close to 75 for the past few days (mid-February) so I guess the real action is drifting down to the lower frequencies. Thanks to all who continue to send in their reports and best regards to all FRENDX members

LOG REPORTERS

FRENDX

John M. Kapinos, 86 S. Quinsigamond Ave., Shrewsbury, MA 01545

Sam ALCORN, Maplewood, NJ (DX200, ICF6500W); Brian ALEXANDER, Mechanicsburg, PA; David ALPERT, New York, NY; Marion BLANCHETTE, Thonotosassa, FL (R600, DX100); Norman BOBB, Minneapolis, MN (R1000); Charles BOLLAND, Lake Worth, FL (R71A, R70); Arthur BONNET, W. Lafayette, IN (DX400); Dustin BRANN, Kansas City, MO (ICF2002); Paul BROUILLETTE, Schaumburg, IL (R71A); Ken COBB, Portland, ME (R70, RF4900); Tom DALY, Pomona, NY (FRG7700, CR2021); Richard D'ANGELO, Wyomissing, PA (R70); Ronald DAVID, Jamaica, NY (DX160); Richard DICKSON, Goshen, OH (DX302); Barbara Ann DILL, St. Marys, PA (RF2200); Peter DILLON, Washington, DC (DX400); Jim FEELEY, Norcross, GA (R2000); Marlin FIELD, Hillsdale, MI (SPR4); Karl FORTH, Chicago, IL (R70, HQ160); Jerry GREEN, Maryville, TN (FRG7700); Arthur HANKINS, Greensburg, PA (R1000); Mike HARDESTER, Modesto, CA (FRG7000 R1000); Michael HAWK, Hampton, VA (ICF6800W) AL HEWITT, Kingston, MI (DX300, DX400); Ken HILL, Somerville, MA (DX1000); Erik HINNOV, Bridgewater, NJ (DX66); Ron HOWARD, Santa Barbara, CA (R71A); Brian JONES, Houston, TX (R70); Rufus JORDAN, Pittsburgh, PA (DX302); John KAPINOS, Shrewsbury, MA (R2000); John KOCIELA, Tonawanda, NY (FRG7700); Terry KRUEGER, Largo, FL (R70, ICF2001); Tom LASKOWSKI, South Bend, IN (ICF2001); Steve LEITE, Fall River, MA (R71A); Harold LEVINSON, Philadelphia, PA (R70); Grant LOCHMILLER, Denison, IA (FRG7700, CR2021); William MAYER, Allentown, PA (TS430S); John MCKELLAR, Chino, CA (DX160); Travis MCLEMORE, Clearwater, FL (FRG7); Andrew O'BRIEN, Chantilly, VA (R2000); Robert PALMER, Spokane, WA (R71A); Dale PARK, Honolulu, HI (ICF6700W); Sheryl PASZKIEWICZ, Manitowoc WI (DX400); Joe POLCHLOPEK, Virginia Beach, VA (ICF6800A); Dennis RICHARDS, New Haven, CT (ICF6500W); Steven REINSTEIN, Mirimar, FL (R70); Christos RIGA, Chicago, IL (R2000); Mitch SAMS, Wichita, KS (FRG7); Bryan SHARPE, Castro Valley, CA (DX302); Dr. Richard SPEER, Baldwin Place, CA; David SWARINGEN, Huntersville, NC (R70); ??? THIM, Hartford, CT (R1000, RF2600); Ron TROTTO, St. Cloud, FL (CR2021); Pete TUTAK, Jersey City, NJ (R70, HQ180A); George VADINO, Bellevue, WA (R71A); Dave VALKO, Dunlo, PA (R388, FRG7); Mile WALKER, Indianapolis, IN (DX100); Dr. Richard WOOD, Hilo, HI (R1000, R71A); James YOUNG, Wrightwood, CA (HQ180A); Robert ZILMER, Rio Rancho, NM (R1000)..

KAP'S KOMMENTS

Nice turnout this month, though not as good as last. I've decided not to use the smaller type that was so hard to read last time around. Hope this pleases the eyes better. Till next month, take care,

Best, Kap 2/19/85

WANTED: Drake RV75 VFO in mint or excellent condition only, please. If you see one at a local hamfest, please obtain it for me. I am willing to pay top dollar for this item. Thanks! Steven R. Lare, 824 West 25th Street, Holland, MI 49423. Phone (616) 335-2270.

WANTED: Hammarlund HQ-145X or 180A, or 180AX, or Hallicrafters SX-100, or SX-73. All answers to this ad will be answered. Please include phone number and condition of receiver. Mike Todd, Box 392, Banner Elk, NC 28604.

HAP BID ITEMS: ITEM #498:WFLR key chain,red,white.#499:WEZN metal badge(1"cir)red,white.
 #500:WBIS metal badge(1.5"cir)red,white,blue.#501:CBFT-TV metal badge(3"cir)green,blue,
 white.#502:Metro Radio(UK)metal badge(2"cir)red,white,blue.#503:WLUP metal badge(2"cir)
 B&W.#504:CFCN metal badge(1"cir)blue,white.#505:Radio City-194(UK)key chain,red,B&W.
 #506:Radio 210(UK)key chain,red,white.#507:WCTC/WQMR 1976 key chain,m/c.#508:BBC(UK)
 "Paddy Feeny"poster(12x17")m/c-nice!#509:KALX punk newspaper-large!#510:KQAK punk news-
 paper-25 pages-nice!#511:BBC Radio Cleveland(UK)50 page poetry magazine,m/c.#512:BBC
 Radio Stoke(UK)25 page magazine,m/c.#513:BBC Radio One(UK)15th Anniversary 62 page "Rock"
 magazine,m/c-nice!#514:RHC(Cuba)"Gramma"1984 newspaper-large-interesting!#515:WPLJ DJ
 photos(8.5x11")4 different!B&W.#516:Cleveland Area Cable TV cloth arm patch(3"cir)white,
 blue.#517:Radio San Marino sticker(2x2")m/c-rare!#518:FSLN(Nicaragua)48 page magazine in
 EG,m/c-nice!#519:Radio Lancashire(UK)key chain,red,white,black.#520:Radio Vatican pen,
 gold,black.#521:KTXU T-Shirt(M)blue,white.#522:KPAP sticker(4x7")blue,white.#523:KSNY
 sticker(5x12")red,white,blue.#524:KYKY sticker(4x7")yellow,brown.#525:HD2IOA(Ecuador)sticker
 (2.5x4")m/c-nice!#526:Radio Japan-1985 wall calendar"50th anniversary"(10x28")m/c.
 #527:WFCC key chain,white,gold.#528:CKUA metal badge(1"cir)orange,silver.#529:Radio Forth
 (Scotland)key chain,orange,B&W.#530:BRT(Belgium)plastic paper holder(3x6")B&W.#531:BBC(UK)
 "50th Anniversary"metal badge(2"cir)red,B&W.#532:ANARC pen,B&W-last edition!#533:WDR(FRG)
 station pen,blue,B&W.#534:RTE Radio 2(Ireland)pencil,black,purple.#535:HTV(UK)key chain,
 blue,white.#536:CBQ metal badge(2"cir)red,white,blue.#537:KRVL sticker(5x6.5")m/c.#538:
 KASE decal(6"cir)blue,white-nice!#539:KPBC sticker(3x11")red,white,blue.#540:KBWD decal
 (3x8")silver.#541:KERV sticker(3x11")red,white,blue.#542:KVET decal(6"cir)m/c.#543:KVOP/
 KATX sticker(3x11")m/c.#544:KCTI sticker(3x12")red,B&W.#545:KLAR sticker(3x13.5")red,
 white-nice!#546:KEES sticker(3x11")red,B&W.#547:CJJD metal badge(2"cir)red,white.#548:
 Radio Clyde(Scotland)metal badge(2"cir)red,white.#549:WNHU metal badge(2"cir)red,B&W.#550:
 WXP metal badge(2"cir)blue,black.#551:KCAW metal badge(2"cir)black,blue.#552:KHL metal
 badge(1.5"cir)blue,white.#553:KZAM metal badge(2.5"cir)m/c.#554:Radio Trent(UK)metal badge
 (2"cir)blue,B&W.#555:CFTR "Blues Brothers"metal badge(1.5"cir)B&W.#556:BBC Radio Notting-
 ham(UK)metal badge(2"cir)white,purple.#557:KELO Radio Free Texas sticker(4x11")red,white,
 blue.#558:KHJ reflective sticker(4x5")silver,blue.#559:KRBC "Texas Shapped"sticker,brown,
 orange.#560:KTEO sticker(4x7")black,orange.#561:KSWA"Cowboys"sticker(4x5")blue,silver.
 #562:KRBA"Cowboys"sticker(4x5")silver,blue.#563:Radio Break(Italy)sticker(2x5")m/c.#564:
 Radio City-194 metal badge(1"cir)orange,B&W.#565:Radio Hallam(UK)metal badge(2"cir)m/c.
 #566:KBYG sticker(3x8")blue,white.#567:Red Rose Radio(UK)decal(5x5")m/c.#568:Radio Fase
 (Italy)sticker(2x8")m/c.#569:Radio Tees(UK)decal(3x11")red,white,blue.#570:WINK reflective
 sticker(4x9")m/c.#571:Radio Sweden poster(11x17")m/c-nice!#572:KTAC large Seattle Sounders
 soccer poster,m/c.#573:Hereward Radio(UK)plastic badge,m/c-nice!#574:Radio Orwell(UK)metal
 badge(1.5"cir)blue,white.#575:KLEF 55 page music magazine-nice!#576:BBC-WS(UK)poster(12x
 17")m/c.#577:RFI(France)bag tag,blue,white.#578:WCTC key chain,black,silver.#579:Radio
 Forth metal badge(1.5"cir)orange,B&W.#580:ESPN metal badge(1.5"cir)red,white.#581:KTXQ
 metal badge(1.5"cir)m/c-nice!#582:Capital Radio(UK)key chain,gold,silver-beautiful!#583:
 Radio Clyde key chain,red,white.#584:BRMB Radio(UK)metal badge(1.5x2.5")red,B&W.#585:NAVA
 metal badge(1"cir)red,B&W.#586:West Sound(UK)metal badge(2"cir)blue,white.#587:Music TV
 sticker(4x4")m/c.#588:Radio London(UK)2 different DJ photos(8.5x11")B&W.#589:Radio Medway
 (UK)2 different DJ photos(8.5x11")B&W.#590:BBC Radio Cleveland 2 different DJ photos(8.5x
 11")B&W.#591:Moscow News large 15 page newspaper-nice!#592:Radio Devon(UK)decal(3x9")m/c.
 #593:SBC(Switzerland)QSL card(4x6")m/c.#594:WVVI(Virgin Islands)sticker(3x5")white,blue.
 #595:WUVA sticker(3x11")red,B&W.#596:BBC Radio Birmingham B&W DJ photo(6x8")-nice!#597:
 Radio Forth metal badge(1.5"cir)orange,B&W.#598:BBC-WS metal badge(1.5"cir)red,white,blue.
 #599:RTE Radio 2(sticker(3x5")m/c.#600:KUHf sticker(4x7")red,white.#601:KBEC decal(3"cir)
 red,white.#602:Radio Luxembourg B&W DJ photos(6x8")-nice!#603:RTE Radio 2 sticker(3x7")
 m/c.#604:Signal Radio(UK)decal(2.5x9")m/c.#605:Radio Luna(Italy)decal(3x19")m/c.#606:Vik-
 ing Radio(UK)decal(3x18")m/c.#607:Radio Vigo(Spain)match book,m/c.#608:KBPS old B&W studio
 photos(8x10")-rare!#609:KPAN old post card of studios,m/c.#610:CFCN metal badge(1.5x2.5")
 red,B&W.#611:KQSB NA pirate QSL card w/ letter.#612:KPBC litter bag(8x12")blue,white.#613:
 KRBA/KDEY sticker(4x12")yellow,black-very nice!#614:4GG(Australia)metal badge(2"cir)white,
 red.#615:ANARC metal badge(1.5"cir)B&W-nice!#616:RBI(DDR)plastic badge(1.5"cir)blue,white.
 Hope there is something here for you...Sam.

ADDRESS: Send your bids and orders for direct sale items to: Sam Barto, 47 Prospect Place,
 Bristol, CT. 06010 USA. Overseas orders please send Postal Money Orders or currency. Not
 all foreign checks can be handled at local banks.

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 WLS,RTB,WLUP(cir)(large),BBC Radio 2,Radio Highlands,WCCC,NNRC,CKKR,KKYN,KELP,KPSO,KEAN,
 KNIN(1"dec)(small),KIXY,WABD,BBC-WS,Radio Budapest(red)(blue)(cir),WBN,1ZB,KTAM,Radio
 Kuwait,WCAU,WWSH,KETX,RTE Radio 2,CHAB,KHUN,KTTX,KJCH,KOCT,CKND,CJME,CKON,Telecom-83,RNE,
 Polska Radio(large)(small),City-TV,RBI(blue)(white),4XD,Radio Caroline,2CH,KAIM,RFI,Radio
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