

FRIENDX



NO COLLECT CALLS ON THESE ADS, PLEASE.

FOR SALE: Drake SPR-4, \$225.00/ Drake SSR1, \$175.00. Drake TR4-C with power supply, \$340.00. ICOM R-70, \$470.00. Hammarlund HQ-180A in excellent condition, \$200.00. Terry Weinhold, R.D. 2, P.O. Box 189-A, East Earl, PA 17519.

FOR SALE: MFJ 1020 active antenna with AC adapter. Excellent condition. Both for \$60.00. Peter J. Giacobelli, 305 Ocean Avenue, Malverne, NY 11565. Phone (516) 887-9881.

NOTICE: The Tidewater Area DXers would like to hear from all local people interested in get-togethers, DX-athons, etc. Please call one of the following phone numbers for your particular area: Hampton area, call Ray Gilley at 838-6494; Norfolk area, call Charles R. Foxx, Jr. at 623-0362; Virginia Beach area, call David Jones at 420-9015. All are welcome.

FOR SALE: (I need R4-C crystals 8.0-8.5, 10.0-10.5, 22.0-22.5, and 22.5-23.0. Will trade for some items listed below or pay \$15.00.) MFJ Standard (calibrator), \$20.00. Yaesu QTR 24 hour clock, \$20.00. FRT-7700 Antenna tuner (works with Yaesu, Kenwood, and other Japanese receivers with pushbutton terminals), \$35.00. Radio Shack Time Cube (5, 10, 15 MHz WWV), \$15.00. Radio Shack TRF AM radio, \$15.00. WRTV Handbooks for 1975, 1976, and 1977, make offer. Kenwood R-600 digital receiver, \$275.00 money order or cashier's check or will consider trade for modified FRG-7 or SSR-1. Bart Beal, P.O. Box 1246, Walla Walla, WA 99362. Phone (509) 529-0073.

FOR SALE: New 1984 edition of WRTV, \$10.00 postpaid. Cashier's check or money order. Ed Dye. P.O. Box 581, Russellville, AR 72801.

FOR SALE: MFJ 8 band Auto Radio Shortwave Converter in excellent condition. One year old. Price \$47.00 including shipping in continental U.S. WANTED: 1967 WRTV Handbook. The one with the steel blue cover. Will pay \$5.00. Shawn A. Sabo, 1555 Mill Run Court, Lawrenceville, GA 30245. Phone (404) 963-0547.

FOR SALE: ICOM IC R70, modified, in mint condition with manual and original carton. Price \$525.00 includes shipping and insurance. Mark Konen, P.O. Box 11628, Milwaukee, WI 53211. Phone (414) 962-8968 from 0000 to 0430 or any other time to leave message on machine.

FOR SALE: Drake SPR-4 in mint condition, \$275.00, negotiable. MBA RTTY Reader Model R.0. Excellent condition, \$125.00. McKay Dymek DA1000, excellent condition, \$50.00. Lafayette P.F. 300 UHF/VHF Hi-Lo receiver. Tuneable to all frequencies plus accepts crystals. Base unit in metal cabinet. Mint condition, \$60.00 Will consider trades for the SPR-4 and PF-300 only. Herb Shatz, 99-15 66 Avenue, 3A, Rego Park, NY 11374. Phone (212) 275-9215 from 2300 to 0100 GMT or (212) 953-7744 from 9am to 5pm EST weekdays and leave message.

FOR SALE: Galaxy R530, SC-530 speaker with manuals, \$190.00 shipped UPS. FRENDX, complete 1983, \$5.00. Confidential Frequency List (4th edition); How to Listen to the World '71, '72, \$3.50 each. How to Improve Shortwave Reception, \$3.00. N.R.C. Domestic MW Log 70-71; N.R.C. Latin American MW Log 71, \$2.50 each. Shipping included. Cashier's check or money order, please. Al Drehmann, 11714 SW 129 Court, Miami, FL 33186. Phone (305) 385-3879.

FOR SALE: Allied SX-190, modified. Covers 3.0 to 5.5 MHz continuously, as well as major international bands. Needs some work (USB/LSB doesn't work too well). Direct frequency readout to .5 kHz. Good DXing machine. Price \$75.00 postpaid by UPS. Pitt McNeil. 2137 Spruce Street, Apt. #3, Philadelphia, PA 19103.

Well, what do you know....it's a girl! Jillian Kathleen Herkimer came into the world at 3:30 AM on the 4th of July. Mom and daughter are doing fine and we want to extend our thanks to all of you who paced the floor along with us.

One bright spot on the Radio Australia program line-up is "Talkback" and, better yet, helping out with that production from time to time is Geoff Cosier, Australian DXer extraordinaire. On a recent program Geoff tackled the subject of clandestine broadcasting and Kampuchea and he kindly provided a transcription of that program for us:



Radio In And For Kampuchea

by Geoff Cosier

(The following is copyrighted and cannot be reprinted without the consent of Geoff Cosier or Radio Australia)

Broadcasting in and to Kampuchea is as much stricken with complexity and confusion as in any country in the world. This is due to the war, and consequent changes in government there in recent times. To make any sense of the 4 stations I'm going to focus on, a run-down of political activity in the country is quite necessary. Not to mention the fact that this country bordered by Thailand, Laos and Vietnam, is known by 3 names: Khmer Republic, Cambodia and Kampuchea. In fact, the official name of the country is Democratic Kampuchea, but was known as Cambodia under the rule of Prince Norodom Sihanouk. The name Khmer Republic comes from the ancient Khmer Empire, of which the current country was the center. Since the 1800's, Cambodia was a French protectorate, and part of the Union of Indo-China until 1953, when it eventually achieved full independence. Sihanouk, a king under the French, abdicated to fill a more active political role as premier, then the country's first chief of state. In March 1970 whilst out of the country, he was overthrown in a pro-western coup led by Lt. General Lon Nol. Lon Nol's government was in turn overthrown in 1975 by the communist Chinese backed Khmer Rouge, led by the infamous Pol Pot who later attempted mass genocide in the country, killing millions. In 1976 a new constitution went into effect and the state took its new name, Democratic Kampuchea, with Pol Pot as leader. But in 1978, Vietnamese forces crossed into Kampuchea, and by 1979 the capital of Phnom Penh had fallen. Pol Pot's government was replaced by the Hanoi-backed People's Revolutionary Council of Cambodia, led by Heng Samrin.

But whilst this government may be the official one within Kampuchea, there is also a most interesting self-claimed coalition government in exile! This is a group of the 3 anti-Vietnamese factions fighting there

RADIO IN AND FOR KAMPUCHEA (cont'd)

at present: the communist Khmer Rouge; the non-communist Khmer People's National Liberation Front (KPNLF - also called Khmer Serika) led by Son Sann; and Prince Sihanouk's National Union Front for an Independent, Neutral, Peaceful and Cooperative Cambodia (FUNCINPEC).

The official radio of Kampuchea is the state-run Voice of the People of Kampuchea which operates from Phnom Penh. On shortwave and medium wave, it operates a home service in Kampuchean, and is easiest heard on 6090 kHz to sign-off at 1400 UTC (1430 on Sundays). VOPK also operates a foreign service in English, French, Thai, Lao and Vietnamese from 0000-0115 and again 1200-1315 UTC on two frequencies: 9695 and 11938 kHz. Note that in recent months, the 9695 kHz channel has been observed occasionally taking the home service instead of the foreign service. Whilst this station operates with seemingly modest power, the 11938 kHz channel is sometimes quite good, due to the split frequency.

There are 3 clandestine broadcasters directing to Kampuchea. The easiest of these to hear is the Khmer Rouge station "Voice of Democratic Kampuchea" which broadcasts via means of Radio Beijing facilities. The current schedule for them is:

2330-0030 on 8345, 9530 and 11685 kHz
0400-0600 on 11725 and 15400 kHz
0900-1000 on 11870 and 15115 kHz
1300-1400 on 11675 and 15300 kHz

Of course, all transmissions are in Kampuchean.

There is a station run by the Khmer Rouge's army calling itself the "Voice of the National Army of Democratic Kampuchea" which is also heard on shortwave only, on out-of-band 5200 kHz. This station transmits from 1000-1300 UTC in Kampuchean, 1330-1400 sign-off in Vietnamese, and again from 2230-2300 in Vietnamese, and 2300-0000 UTC in Kampuchean. There is very little known about this station apart from the fact that "National Army" of Democratic Kampuchea means nothing but the Pol Pot Army, rather than the Vietnamese occupational forces as would be guessed! The Khmer Rouge army was "Revolutionary Army" when they held power in Phnom Penh, but their title changed after being ousted from power.

The third clandestine station also has very little known about it, and at this time hasn't been heard outside South-East Asia. This is the "Voice of the Khmers" which is operated jointly by the previously-mentioned KPNLF and FUNCINPEC. Each faction has airtime on their 5 kW transmitter hidden somewhere near the Thai-Kampuchean border. It is unclear if this is the same transmitter that was being used by these two groups a while ago on 800 kHz medium wave. If it is in fact on shortwave, 5 kW of power should get them out worldwide.

So, the official Voice of the People of Democratic Kampuchea, the two Khmer Rouge stations, and the Voice of the Khmers all make quite an interesting potpourri of radio politics in S.E.Asia. Maybe not too many DXers can actually tune-in and understand what is being said, but I think you'll agree it is most rewarding to follow political situations like this. After all, these groups find radio a prime vehicle for their messages.

PEOPLE'S REPUBLIC OF KAMPUCHEA
Peace - Independence - Happiness.

RADIO THE VOICE OF THE PEOPLE OF KAMPUCHEA
Foreign Service

Geoff wishes to acknowledge the assistance of Isao Ugusa of Japan in supplying information for the program. (JH)

Ralph Perry and family finally arrived safe and sound in Kuala Lumpur, Malaysia, to begin one of Ralphus' many overseas assignments with Caltex Petroleum. They're still settling down, waiting for some things to arrive by boat, preparing to move into their new place...but Ralph didn't forget us. Here's a clipping he found recently:

Herald Tribune

Published With The New York Times and The Washington Post

NY N1, 1/16/84

SINGAPORE, TUESDAY, JUNE 26, 1984

KDN 0025/84

Radio Annie: Nazi Retreat Gave Allies a Propaganda Prize

By Thomas O'Toole

Washington Post Service

WASHINGTON — Late in 1944, when the Germans suddenly evacuated Luxembourg, they left in a prize for the Allies: the powerful transmitter of Radio Luxembourg, soon to become known as Radio Annie.

In 127 consecutive nights of broadcasting, according to CIA documents released last week, Annie "deceived and confused the enemy, set German against German" and "bombed the fortress Germany from within."

Prize Annie, the plan for Radio Annie, was developed by the CIA as one of the most brilliant successes of the Office of Strategic Services, which was the U.S. intelligence-gathering agency during the war. Annie was estimated to have half the German Wehrmacht as part of its nightly audience as the Allies advanced toward the Moselle and Rhine rivers.

After the Germans fled Luxembourg, the OSS established a second frequency while keeping Radio Luxembourg on the air. Under the plan, Radio Luxembourg would go off the air as usual at midnight, and Annie would come on at 1 A.M. at the different frequency. Annie stopped each day at 10 A.M.

before Radio Luxembourg resumed broadcasting at 7. Annie went on the air in December, 1944, as the Allies moved toward the Moselle and Rhine rivers. For almost two months, Radio Annie broadcast, with apparent objectivity, military and civilian news of the war in the vicinity of the Rhine region.

"There were Germans who thought it came from speakers behind German lines because at times it was so technically imperfect, and there were Germans who thought Annie was an underground station and who were eagerly awaiting its political climax," the CIA history recounts. "A few smart ones suspected Annie might be the enemy, but the accurate and sympathetic character of its news presentation" threw off even the smart ones.

Free questioning of German prisoners, the OSS estimated that more than half the Wehrmacht was a part of Annie's audience.

"The men of the Wehrmacht enjoyed 1212," a captured German officer was quoted as saying, in a reference to Annie's frequency. "Because it was not sophisticated like the over-British radio propaganda and had nothing of the boring dignity of Radio Luxembourg. It was plain, simple language that occasionally abridged from name-calling and editorializing, plus everything was accurate."

But as the Allies broke through the German defenses at the Moselle River and crossed the Rhine, the CIA history says, "Annie promptly went into action" — she put around volumes ahead of demoralized, sold-of-her-battle that had not taken place, imaginary surrenders and evacuations and of the inefficiency and treason of Nazi Party bosses. And all this was done in a preaching style but always with the undernote of deep-felt worry over the future of her beloved Rheinland.

Annie, the CIA says, "created a type: heretical movements of resistance, caused forces with it and called for the destruction of the Nazi Party and/or immediate peace."

At one point, Annie reported that the Nazi spokesman and Luftwaffe field marshal, Hermann Göring, had evacuated his farm and given tons of excess produce and animals to local farmers.

Right after that broadcast, the CIA account says, many violent, apparently infuriated that Göring had so much while they had so little, began looting German trucks carrying food to front-line troops.

Annie caused games in Nuremberg and Ludwigs-hafen by reporting tanks to be on their way when there were none. The CIA history says: Highways became

so crowded with refugees that the Germans were unable to move supplies to their lines.

The documents released last week also described another important U.S. wartime measure in psychological warfare, code-named "Storjorpen West."

The plan was devised after the OSS intercepted a Nazi leaflet aimed at raising troop morale. The OSS turned its message around and dropped millions of the bogus leaflets by plane over German lines.

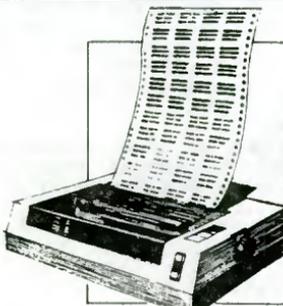
The German leaflets touted the invincibility of the Nazi army and its leaders' popularity. At the top and bottom was the message: "If you want to know the truth, comrade, ask the Storjorpen."

Once the Allies moved inland from the beaches of Normandy in 1944, the Germans were forced to distribute Storjorpen from the air. Copies of Storjorpen blew into the hands of the Allies, who reproduced the leaflets but changed their slant.

Shortly after D-Day, the Allies dropped three messages. The first questioned Nazi invincibility. The second questioned German military leadership, and the third warned that an Allied offensive would come before winter and that "we must expect large stretches of German soil to be occupied."

SWL LOCATOR

Joe Polchlopek
PSC Box 5699
RPD San Francisco, CA 96519



SWC Computer Corner

August 1984

Here are a few words of explanation to readers:

1. By following the instructions built into the Program, the user can obtain the following information: station name, country, latitude and longitude of the station, and bearing and distance to the station from his or her location.
2. The Program will run on the VIC-20 with at least 8K memory expansion. It will probably run on a C-64 also, if you exclude line 15.
3. The usual Commodore Programming conventions apply. If you're not sure how to Produce some of the reverse symbols shown in the listing, enter this line for practice (The characters shown in brackets should be Pressed along with the "CTRL" (control) key. The character shown in Parentheses should be Pressed along with the "SHIFT" key.):

10 PRINT "[1][3][7][9][0] ("CLR/HOME")

The reverse Graphic letter Q (M) is Produced by Pressing the "cursor down" key after the Quotation mark (").

4. The data statements include four pieces of information for each country: station name, country or city, latitude (in degrees and "10ths", vice minutes) longitude (in degrees and "10ths"). Latitudes below the equator are represented as negative numbers. Longitudes west of Greenwich are expressed as negatives, also. Therefore, Falkland Islands, for instance, is represented by coordinates -51.7, -57.8. I have entered station names as "R,Beijing" with no space after the "R.", but the user may add this space, if desired.

5. Be especially careful with punctuation marks, particularly within the data statements. A misplaced "-" or an extra comma will play havoc with the results of the program.

6. You may shorten the latitudes and longitudes, to save typing (and memory), by leaving off the fraction (for instance: latitude 1.5, leave off the .5). This will round off the location to the nearest degree and will slightly affect the resulting bearing, but not much.

7. No need to type in lines 1 through 13, unless you want to.

I'll be happy to provide a copy of the program on tape if anyone would rather not type it. Just send me a tape and one dollar (to cover return postage) and I'll get it back to you as soon as I can. Hope you enjoy the program. I'll be happy to answer any questions about it, too, if you care to write.

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1 REM **SWL LOCATOR **
2 REM ORIGINAL PROGRAM BY EUGENE MORGAN
3 REM MODIFIED FOR SWL BY JOE POLCHLOPEK
4 REM DUPLICATION AND DISTRIBUTION AUTHORIZED WITHIN NASWA
5 REM IN LINE 24, CHANGE VAR. "A" TO YOUR LATITUDE AND "L1" TO YOUR LONGITUDE
6 REM THROUGHOUT THE PROGRAM, COORDINATES ARE IN MINUTES AND "10THS"
7 REM CHANGE "SP$" TO YOUR LOCATION
11 REM *NOTICE* IF L1 IS <=0 THEN DELETE LINES 206-208
13 REM FOR EXAMPLE: L1=-105.5
15 PRINT"█":POKE36879,25
17 PRINT"█"SWL LOCATOR █:GOSUB110
19 PRINT"█"MAIN MENU █:PRINT"█" HOW DO YOU WANT TO LOCATE DATA?
21 PRINT"█1.....COUNTRY OR CITY":PRINT"█2.....STATION NAME"
23 PRINT"█3.....LAT/LONG":PRINT"█4.....QUIT
24 CLR:RESTORE:A=48.7:L1=141.4:SP$="MISAWA, JAPAN"
25 PRINT"█":INPUT E
26 ON E GOTO50,60,70
31 IFE=4THENPRINT"█":END
35 GOTO25
50 PRINT"█"ENTER COUNTRY OR CITY":INPUTC$:IFC$="█"THEN19
55 GOSUB100
56 IFL$=C$THENGOSUB500:GOTO200
57 IFZ$="END"THEN250
58 GOTO55
60 PRINT"█"ENTER STATION NAME":INPUTH$:IFH$="█"THEN19
61 GOSUB100
62 IFZ$=H$THENGOSUB500:GOTO200
63 IFZ$="END"THEN250
64 GOTO61
70 PRINT"█"LATITUDE?":INPUTB:IFB>90ORB<-90THENGOSUB85:GOTO70
77 PRINT"█"LONGITUDE?":INPUTL2:IFL2>180ORL2<-180THENGOSUB85:GOTO77
78 PRINT"█"IS YOUR INPUT CORRECT?":PRINT"1=YES 2=NO":INPUTW
79 ONW GOTO84,70
84 PRINT"█":GOSUB500:GOTO201
85 PRINT"█"ERROR █:GOSUB110:RETURN
100 PRINT"█"SEARCHING DATA":READZ$,L$,B,L2:RETURN
110 FORT=1TO220:NEXT:RETURN
200 PRINT"█"L$"█"
201 PRINT"█"LATITUDE█ "B
202 PRINT"█"LONGITUDE█ "L2
205 PRINT"█"STATION NAME:█ "Z$
206 IFL2<0THENGOTO 208
207 GOTO210
208 R2=360-R2

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210 PRINT"BEARING:";R2
215 PRINT"DISTANCE FROM "":PRINTSP$;"":PRINTD1;" MILES
220 PRINT" "D2 "KILOMETERS
224 PRINT"SEARCH DATA OR HIT ANY KEY
226 GETS$:IFS$=""THEN226
227 PRINT" ":IFS$=CHR$(136)ANDE=3THEN235
228 IFS$=CHR$(136)ANDE=2THEN61
229 IFS$=CHR$(136)ANDE=1THEN55
230 IFS$=CHR$(136)ANDE=0THEN238
232 GOT019
235 PRINT"SEARCHING FOR DATA ON LOCATION NEAR YOUR COORDINATES
236 PRINT"SEARCH WIDTH IN DEGREES?":INPUTQ%
237 ZB=B:ZL=L2
238 GOSUB100
239 IFZ$="END"THEN250
240 IFB>ZB+Q%THEN238
241 IFB<ZB-Q%THEN238
242 IFL2>ZL+Q%THEN238
243 IFL2<ZL-Q%THEN238
244 E=0:GOSUB500:GOTO200
250 PRINT" END OF DATA":GOSUB110:GOTO19
500 A1=A*π/180:L=L2-L1:X=0
510 IFL<180THEN525
515 IFL>180THEN535
520 GOT0540
525 L=L+360:GOTO610
535 L=L-360
540 IFL<0THEN610
545 X=1
610 B1=B*π/180:L=L*π/180:P=COS(L)*COS(A1)*COS(B1)+SIN(A1)*SIN(B1)
625 P1=ATN(SQR(1-P*P)/P):P2=P1*180/π
635 IFP2<0GOTO645
640 GOT0650
645 P2=P2+180
650 D1=INT(P2*60*1.15152+.5):D2=INT(D1*1.6093+.5)
655 R=COS(B1)*SIN(L)/SIN(P1):R1=ATN(R/SQR(1-R*R)):R2=INT((R1*180/π)+.5)
670 IFABS(R)>.999998THEN800
675 IFABS(R)<.00174THEN850
680 B2=(B+.1)*π/180:R3=COS(L)*COS(A1)*COS(B2)+SIN(B2)*SIN(A1)
690 R4=ATN(SQR(1-R3*R3)/R3):R6=COS(B2)*SIN(L)/SIN(R4)
705 IFX=1THEN740
710 IFABS(R6)>ABS(R)THEN730
715 R2=360-ABS(R2):GOTO900
730 R2=180+ABS(R2):GOTO900
740 IFABS(R6)<ABS(R)THEN755
745 R2=180-ABS(R2):GOTO900
755 R2=ABS(R2):GOTO900
800 IFX=1THEN830
810 R2=270:GOTO900
830 R2=90:GOTO900
850 IFB<(L)>178THEN870
855 IFB<ATHEN865
860 R2=0:GOTO900
865 R2=180:GOTO900
870 IFB>ATHEN865
875 GOT0860
900 RETURN
950 DATAR, BANGLADESH, BANGLADESH, 23.7, 90.4, R, NYAB, BHUTAN, 27.5, 90.3
955 DATAVO BURMA, BURMA, 16, 96, R, BEIJING, BEIJING, 40, 116.5, PPBS XIZANG, LHASA, 29, 91
960 DATAPPBS HAILONGJIANG, HARBIN, 45, 126, VOFC, TAIPEI, 25, 127, VO ASIA, KAOHSIUNG, 22,
5, 120
965 DATARTV HONG KONG, HONG KONG, 22.4, 114.1, AIR, DELHI, 28, 77, AIR, MADRAS, 13, 80
970 DATAR, KASHMIR, SRINAGAR, 34, 74, RRI MEDAN, SUMATRA, 3, 98, RRI JAKARTA, JAVA, -6, 106,
5
975 DATARRI UJUNG PANDANG, CELEBES, -5, 119, RRI TERNATE, MALUKU, 1, 127
980 DATARRI SORONG, IRIAN JAYA, -1, 132, R, JAPAN, TOKYO, 36.2, 139, 8
985 DATAVO PEOP. OF KAMPUCHEA, PHNOM PENH, 11.6, 104.8, R, PYONGYANG, DPRK, 39, 125.5
990 DATAR, KOREA, SEOUL, 37.5, 127, NAT, R. OF LAOS, VIENTIANE, 17, 103, VO MALAYSIA, PENANG
, 5, 100
995 DATAVO MALAYSIA, KUALA LUMPUR, 3, 101.7, RTV MALAYSIA-SABAH, KOTA KINABALU, 6, 116
1000 DATARTY MALAYSIA-SARAWAK, KUCHING, 2, 110, R, ULAN BATOR, MPR, 47.5, 106.5
1005 DATAR, NEPAL, KATHMANDU, 27.7, 85, R, PAKISTAN, ISLAMABAD, 33, 73, R, PAKISTAN, KARACHI
, 25, 67

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1010 DATAR, AZAD KASHMIR, TRARKHEL, 33, 73, FEBC, MANILA, 15, 121, R. VERITAS ASIA, MANILA
15, 121
1011 DATAYOR RELAY, MANILA, 15, 121
1015 DATASBC, SINGAPORE, 1, 3, 103, 7, BBC FAR EASTERN RELAY, SINGAPORE, 1, 3, 103, 7
1020 DATASLBC, SRI LANKA, 7, 1, 71, RMR ASIA, SRI LANKA, 7, 1, 71
1025 DATADEUTSCHE WELLE RELAY, SRI LANKA, 7, 1, 71, VOR RELAY, SRI LANKA, 7, 1, 71
1030 DATAR, THAILAND, BANGKOK, 14, 100, 7, VO VIETNAM, HANOI, 21, 5, 106
1035 DATAR, AUSTRALIA, MELBOURNE, -36, 145, R. COOK IS., RAROTONGA, -21, -159, 8
1040 DATA LA VOZ DE GALAPAGOS, GALAPAGOS IS., -1, -91, KTWK, GUAM, 13, 3, 144, 7
1045 DATAWVH, HAWAII, 22, -159, R. KIRIBATI, KIRIBATI, 2, 174, RFO NEW CALEDONIA, NOUMEA
-22, 166
1050 DATAR, NEW ZEALAND, WELLINGTON, -41, 175, KYOI, SAIPAN, 15, 1, 145, 7
1055 DATARFO TAHITI, PAPEETE, -17, -149, SIBC, HONIARA, -9, 4, 160, YBJ4, VANUATU, -17, 7, 1
8, 5
1060 DATYBJ7, VANUATU, -17, 7, 168, KNLS, ALASKA, 59, 7, -151, 7, RCI, SACKVILLE, 45, 9, -64,
1065 DATAYOR, GREENVILLE, 35, 6, -77, 4, VOR, BETHANY, 39, 3, -84, 3, VOR, DELANO, 35, 7, -119,
1070 DATAYOR, DIXON, 38, 4, -121, 8, VOR, MARATHON, 24, 7, -81, 1, WYFR, OKEECHOBEE, 27, 5, -81
1075 DATAKEI, REDWOOD CITY, 37, 5, -120, 2, WRNO, NEW ORLEANS, 29, 8, -90, 1
1080 DATABBC CARIB, REL, ANTIGUA, 17, -61, 5, DEUTSCHE WELLE RELAY, ANTIGUA, 17, -61, 5
1085 DATAR, BELIZE, BELIZE CITY, 17, -88, 5, R. RELAJ, COSTA RICA, 10, -84
1090 DATAR, HAVANA CUBA, HAVANA, 23, -82, 5, R. CLARIN, DOMINICAN REPUBLIC, 19, -70
1095 DATAR, NAL, DE EL SALVADOR, SAN SALVADOR, 14, -89
2000 DATA LA VOZ DE GUATEMALA, GUATEMALA, 15, -90
2005 DATAVEH, HAITI, 19, -72, 5, R. LANDIA, HONDURAS, 14, -87
2010 DATAR, MEXICO, MEXICO CITY, 19, -99, DEUTSCHE WELLE RELAY, MONTSERRAT, 17, -62
2015 DATATWR BONAIRE, NETH. ANTILLES, 12, -68, 5, R. NEDERLAND RELAY, NETH. ANTILLES, 1
, -68, 5
2020 DATAR, ZINICA, NICARAGUA, 12, -84, RAE, ARGENTINA, -34, 5, -58, 4
2025 DATAR, ILLIMANI, BOLIVIA, -16, -68, RADIOBRAS, BRAZIL, -16, -48
2030 DATAYOR RELAY, BRAZIL, -16, -68, R. NACIONAL DE CHILE, SANTIAGO, -33, -71
2035 DATAR, DIF, NAL BOGOTA, COLOMBIA, -4, -74, HCJB, ECUADOR, -1, -79
2040 DATAFIBS, FALKLAND IS., -51, 7, -57, 8, RFO GUYANE, GUIANA, 4, 9, -52, 3
2045 DATAGUYANA B'CAST CORP., GUYANA, 6, 8, -58, 1, R. NAL. ASUNCION, PARAGUAY, -25, -55
2050 DATAR, NAL, LIMA, PERU, -12, -77, SVDR SURINAME, SURINAM, 6, -55
2055 DATAS, O. D. R. E. URUGUAY, -35, -56, R. NAL. CARACAS, VENEZUELA, 11, -67
2060 DATAFAN MCMURDO, ANTARCTICA, -75, 165
2065 DATAR, NAL, ARC, SAN GABRIEL, ANTARCTICA, -56, 4, -54
2070 DATAR, TIRANA, ALBANIA, 41, 3, 19, 7, ORF, AUSTRIA, 48, 16, 5
2075 DATABRT, BELGIUM, 50, 7, 4, 3, R. SOFIA, BULGARIA, 42, 2, 24, 7
2080 DATAR, PRAGUE, CZECHOSLOVAKIA, 50, 1, 15, 1, R. DENMARK, COPENHAGEN, 55, 7, 12, 3
2085 DATAR, FINLAND, HELSINKI, 61, 4, 21, 9, RFI, FRANCE, 47, 2, 2, 2
2090 DATADEUTSCHE WELLE, FRG, 48, 1, 10, 7, RBI, ODR, 52, 12, 5
2095 DATAVO GREECE, ATHENS, 40, 9, 24, 8, R. BUDAPEST, HUNGARY, 47, 4, 19
3000 DATAICELAND STATE B'CAST, ICELAND, 64, 2, -25, R. DUBLIN INT'L, IRELAND, 53, 3, -6,
3005 DATARAI, ITALY, 41, 8, 12, 5, R. LUXEMBOURG, LUXEMBOURG, 49, 6, 6, 2
3010 DATADEUTSCHE WELLE RELAY, MALTA, 35, 8, 14, 6, TWR MONTE CARLO, MONACO, 43, 7, 7, 4
3015 DATAR, NEDERLAND, NETHERLANDS, 52, 4, 5, 4, R. NORWAY INT'L, NORWAY, 59, 1, 5, 4
3020 DATAR, POLONIA, POLAND, 52, 20, 9, R. PORTUGAL, LISBON, 38, 7, -8, 7
3025 DATAR, BUCHAREST, ROMANIA, 44, 4, 20, 1, REE, SPAIN, 40, -3, 5
3030 DATARSI, SWEDEN, 55, 8, 13, 7, SRI, SWITZERLAND, 46, 6, 6, 7
3035 DATABBCWS, UNITED KINGDOM, 52, 2, -1, 1
3040 REM
3045 REM
3050 DATAR, VATICANA, VATICAN, 41, 9, 12, 4, R. YUGOSLAVIA, BELGRADE, 44, 5, 20, 1
3055 DATAR, ALGIERS, ALGERIA, 37, 3, 5, R. ANGOLA, LUANDA, -8, 13
3060 DATABBC ATLANTIC RELAY, ASCENSION IS., -7, -14
3065 DATAPARKOU REGIONAL, BENIN, 6, 4, 2, 6, R. BOTSWANA, GABORONE, -22, 27, 8
3070 DATAYOR RELAY, BOTSWANA, -22, 27, 8, R. BURUNDI, BURUNDI, -3, 4, 29, 4
3075 DATAR, CAMEROON, YAOUNDE, 4, 12, REE TENERIFE, CANARY IS., 28, -16
3080 DATAR, VOZ DE SAO VICENTE, CAPE VERDE IS., 15, -24
3085 DATAR, BANGUI, CENT. AFRICAN REP., 4, 4, 18, 6, R. N'DJAMENA, CHAD, 12, 1, 15
3090 DATAR, COMORO, COMOROS, -11, 7, 43, 2, R. BRAZZAVILLE, CONGO, -4, 2, 15, 3
3095 DATAR, DJIBOUTI, DJIBOUTI, 11, 5, 43, R. CAIRO, EGYPT, 31, 2, 30, 1
3100 DATAR, MALABO, EQUATORIAL GUINEA, 2, 11, VOR ETHIOPIA, ETHIOPIA, 8, 8, 38, 6
3105 DATAFRICA NO. 1, GABON, 0, 4, 9, 5, R. GHANA, ACCRA, 5, 5, 0, 2
3110 DATAYOR GUINEA, CONAKRY, 9, 5, -13, 7, R. GUINEA-BISSAU, GUINEA-BISSAU, 11, 9, -15, 6
3115 DATAR, IVORY COAST, ABIDJAN, 5, 4, -3, 7, VO KENYA, NAIROBI, -1, 2, 36, 7
3120 DATAR, LESOTHO, MASERU, -29, 27, ELWA, LIBERIA, 6, 2, -10, 7
3125 DATAR, JAMAHIRIYA, LIBYA, 35, 9, 12, 2, R. NEDERLAND RELAY, MADAGASCAR, -18, 7, 47, 6
3130 DATAR, MALAWI, MALAWI, -16, 35, R. MALI, MALI, 12, 6, -8
3135 DATAR, MAURITANIA, MAURITANIA, 18, 1, -16, MAURITIUS B'CAST CORP, MAURITIUS, -20,
57, 2

3140 DATAMEDI 1, MOROCCO, 35.7, -5.8, R. MOZAMBIQUE, MAPUTO, -26, 32.4
 3145 DATARTV NIGER, NIAMEY, 13.5, 2.1, VO NIGERIA, LAGOS, 7, 4, 3.9
 3150 DATADW RELAY KIGALI, RWANDA, -1.9, 30.1, R. SAO TOME & PRINCIPE, SAO TOME & PRIN
 IPE, 0, 6
 3155 DATASENEGAL-INTER, SENEGAL, 14.6, -13, 7, FEBA, SEYCHELLES, -4.6, 55.5
 3160 DATASIERRA LEONE B'CAST, FREETOWN, 8.3, -13.1, R. MOGADISHU, SOMALIA, 2.1, 45.1
 3165 DATARSA, SOUTH AFRICA, -26.6, 28.1, R. OMDURMAN, SUDAN, 15.5, 32.5
 3170 DATATWR SWAZILAND, MANZINI, -26.6, 32, R. TANZANIA, DAR ES SALAAM, -6.8, 39.2
 3175 DATAR, TOGO, LOME, 6.3, 1.2, TRISTAN RADIO, TRISTAN DA CUNHA, -37, -12
 3180 DATATUNISIAN RADIO, TUNISIA, 35.10.9, R. UGANDA, KAMPALA, 1.7, 33.7
 3185 DATAR, UPPER VOLTA, OUAGADOUGOU, 12.4, -1.5, LA VOZ DU ZAIRE, KINSHASA, -5, 15
 3190 DATAR, ZAMBIA, LUSAKA, -15.5, 28.3, RADIO 1, ZIMBABWE, -17, 31
 3195 DATAR, AFGHANISTAN, KABUL, 34, 69, BBC EAST MED RELAY, CYPRUS, 35, 33
 3200 DATAVIRI, IRAN, 35.8, 51.5, R. BAGHDAD, IRAQ, 32.5, 44.5
 3205 DATAKOL ISRAEL, ISRAEL, 31.5, 34.6, R. JORDAN, AMMAN, 32, 35.9
 3210 DATAR, KUWAIT, KUWAIT, 29.3, 47.9, VO LEBANON, BEIRUT, 34.1, 35.6
 3215 DATAR, OMAN, MUSCAT, 23.7, 58.2, BBC EASTERN RELAY, OMAN, 23.7, 58.2
 3220 DATAQATAR B'CAST SVC., DOHA, 25.4, 51.4, BSKSA, SAUDI ARABIA, 24.5, 46.4
 3225 DATASARES, SYRIA, 33.5, 36.5, VO TURKEY, ANKARA, 39.9, 30.7
 3230 DATAURE RADIO DUBAI, UAE, 25.2, 55.3, R. SANA'A, YEMEN ARAB REPUBLIC, 15.4, 44.2
 3235 DATAPDRYBS, PDRY, 12.7, 44.9
 7000 DATAEND, 0, 0, 0

READY.

P.S. Due to Personal Prejudice, I have not included any listings for Soviet stations. People can add them, if they like, between lines 3035 and 3050, or anywhere else in the data area.

The few computer-related articles that have appeared here in SWC have certainly created their share of interest; at least judging by the mail received. And that's good, because we have a number of other articles on hand that will be featured in the coming months. Bill Cole, who has done more than his share to keep me informed on a subject I know nothing about, has created a program to produce reception reports. ANARC's Bill Krause sends along a piece on the application of computers for the visually impaired. So, keep watching this column....(JH)

WINB-Red Lion, Pennsylvania

by Marlin Field, 128 Oak Street, Hillsdale, MI 49242

WINB began transmitting on the shortwave bands in October of 1962 as a privately owned, commercial shortwave station. At its beginning, WINB was owned by the late Reverend John M. Norris, and is presently owned and operated by World International Broadcasters, Inc.

From its beginning to the present, WINB has been used mainly by religious broadcasters who purchase time to broadcast programs as a missionary outreach.

WINB is located 1-1/2 miles east of Red Lion, Pennsylvania where the transmitter has an output power of 50 Kw using a single triode tube in the first amplifier. The antennas, consisting of two three-wire curtain rhombics, are terminated by four-wire stainless steel, resistive dissipation lines and are fed by open-wire transmission lines.



The antenna for North Africa and Southern Europe has a bearing of 062° and the antenna for South American coverage has a bearing of 160°.

The station now operates on three frequencies: 15145 kHz, 15185 kHz and 17730 kHz. Language used is almost exclusively English. One may, however, hear one program in Spanish, one in Portuguese, one in Latin, and two in Russian. (From information furnished by WINB)

"For someone curious about the hobby, especially someone without an electronics background, reading through the 'Technical Topics' section of the JULY FRIENDX would definitely make them wonder. I quote from page nine: 'The R-70 utilizes a passive packaged DBM in the first mixer where the first mixer in the R-71A is a balanced FET type.' I don't feel the non-electronically oriented reader would have a clue as to what that means. I realize the review was meant to be technical, but perhaps FRIENDX could start a section for the novice SWL. Say, articles about what a mixer is, good listening practices, where to get technical advice, letters from seasoned DXers on how and why they listen to SWL, and reviews

"I got into the hobby around the first of the year when I bought an old DX-160 from a friend. The bug bit me pretty good and not long ago I purchased an FRG-7. I guess my major complaint about FRIENDX and other shortwave publications is the lack of information and articles designed for the novice SWL. It doesn't seem to me that enough attention is devoted to the newcomer. I recently read in QJ magazine that the popularity of amateur radio is in a steep decline, mostly because of rather tough licensing requirements. I would hate to see shortwave listening die out so well.

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On another subject -- help for the beginning listener -- comes this from Joe Freeborn of Lamoure, North Dakota:

"My experiences in the area of Japanese receiver performance have not been very favorable. Perhaps some fellow members can provide first-hand experiences to confirm or contradict this belief."

"Since the Japanese receivers/portables have taken over the marketplace, the person who invests in one does so with a sense of uncertainty, should the need for servicing arise. The inherent complexity of these units requires a very knowledgeable service staff. These people must be in touch with the needs of the SWL/DXer returning a receiver for a specific and important reason, very much apart from an ordinary audio enthusiast or amateur radio operator.

"At the same time as all this 'hi-tech' gear filtered through the U.S. marketplace, I have noticed that an alarming 'gap' has developed between receiver manufacturer and end product user -- in this case, the SWL/DXer. Through all my experiences with equipment, the only manufacturer to successfully bridge the gap is Drake. In the years that I've owned an SW-4A and an R-7, both of which required factory servicing, I never felt threatened by the ability of their technical staff to solve my receiver problems. Their service was prompt, courteous, and top quality. They were genuinely concerned and understanding of my receiver problems and corrected them accordingly.

"Since joining the hobby in 1968, I have been a part of phenomenal changes in receiver design and technology. I have seen tube sets give way to hybrid circuits, which gave way in turn to transistorized receivers and their mini-components. To say that receiver design has gone through a revolution in the past fifteen years is accurate. In turn, the quantity and quality of receivers has increased dramatically to the point where the SWL/DXer really has to do some research before buying a receiver. No such condition existed back in 1968!

Our question last time about how well equipment manufacturers are meeting the needs of shortwave listeners and DXers drew this response from Ed Insinger of Summit, New Jersey:

CONTACT

CONTACT (cont'd)

of good 'beginner's' receivers that fall more into the newcomer's price range. Perhaps a good title for this would be 'The Novice Nook,' or something along those lines. I'm sure other newcomers would welcome a section just for them with answers to questions they thought too obvious to ask, or just didn't know whom to ask. Maybe even 'old timers' could pick up something useful.

"Although I still consider myself a novice SWL, I would be more than happy to help in anyway possible to get something going along these lines. It may be that the membership isn't interested in something like this, but I thought 'Contact' might be the way to find out."

Joe has a good idea. FRENEX used to have a beginner's column edited by that "old timer," in the best sense of the term, Ed Shaw. It helped many a newcomer to the hobby. Ed helped a wild-eyed young DXer nearly a decade ago with a receiver problem by sending, at no charge, the part required and a lot of good advice. That advice is one reason that upstart is editing this column today. Are NASWA members interested in such a column again? Let "Contact" know.

And finally, this from new NASWA member Frederick Kleiner of Franklin Square, New York:

"Although I just recently became active as a DXer, I have been aware of the hobby for the past thirteen years. During this time I watched my brother Arthur, an active NASWA member and DXer, log hundreds of stations and amass an equal number of QSLs. I was fascinated by the idea of getting information from nations all over the world, and receiving material and literature that is informative as well as politically and historically significant.

"The radio I decided to start with is the GE 'World Monitor II'. This choice was based on a review in the World Radio-TV Handbook. I would like to know how other NASWA members who own this radio feel about it."

If anyone wishes to write Frederick about the GE receiver, his address is: 690 Byron Avenue, Franklin Square, NY 11010.

Sincere thanks to all who took the time to write. John Harkimer was right: the erratic appearance of "Contact" has not helped generate interest in the column. On the other hand, it really is a "Catch-22" because without contributions there is no column.

Our suggested topic for next time: how can FRENEX, and NASWA in general, better serve its members and the listening community in general. If you were editor of the bulletin, what changes would you make? Are we doing enough to publicize the hobby, or are we just preaching to the already-converted?

Seventy Years of Broadcasting in Belgium

by Richard E. Wood

March 28, 1984, was a day that went without fanfare in Belgium. But some Belgians conscious of their 20th-century history paused and took stock since that day marked the 70th anniversary of broadcasting in their ethnically divided, officially trilingual country.

Though its existence as an independent country dates back only to 1830, a fairly recent date by West European standards, Belgium has been a pioneer in many fields of modernization and technology. Many scholars of the history of science and technology say that Belgium was second only to Great Britain in launching the Industrial Revolution.

There is no philosophical or terminological agreement on what constitutes a "broadcasting station", or a "broadcasting corporation" of the European type. So, it is difficult to answer the question as to whether the broadcast originating at Laeken Palace, Brussels, on March 28, 1914, was or was not the first transmission by a radio broad-

BELGIUM (cont'd)

casting station in Europe, or the beginning of the phenomenon of national, state-chartered broadcasting corporations typified by Britain's BBC. But March 28, 1914, was the strikingly early date of a broadcast concert from the park-ringed royal residence of Laeken. It began with some Morse Code signals, and then the spoken words of announcer Joseph Longé: "Un, deux, trois, quatre..., dix. Allo, allo. Poste radiotélégraphique et radiotéléphonique, près de Bruxelles. Messieurs les amateurs de télégraphie sans fil, nous allons vous faire entendre un concert dédié à Sa Majesté la Reine Elisabeth..." The first selection was the aria from "Tosca" sung by a vocalist whose name is unintelligible in the primitive recording which survives.

The success of this first broadcast was such that it was decided to transmit a concert each Saturday evening, still from the royal palace. The broadcasts could be heard over a 65-km. radius in the flat Brabant countryside. But 1914 was a fateful year. "Gallant little Belgium" was the first victim of the German war machine, and as the forces of Kaiser Wilhelm reached the gates of Brussels, King Leopold ordered that the transmitter be blown up. Belgium was raped and ravaged, trench warfare raged in the fields of Flanders, and its postwar recovery, with generous American aid, was slow. Finally, on November 24, 1923, Brussels came back on the air, under the name of Radio-Belgique, an initiative of the private Société belge de radioélectricité (SBR), the first Belgian company to manufacture radio sets. The first station was nothing fancy, just a single story house on Rue Stassart near the Porte de Namur. The first broadcast consisted only of live music. 1924 saw a daily fifteen-minute "radio-journal" or newscast, and the station went commercial, selling time to political and religious organizations. Radio-Belgique was a French-only station. Its leading personality was Théo Fleischmann, known as "the father of broadcast journalism in Belgium." In the mid-1930s, he did live reports from such events as the funerals of King Albert and of the tragic young Queen Astrid, whose death in an automobile accident plunged not only Belgium, but much of Europe, into an agony of mourning and social despair comparable only to the reaction thirty years later to the assassination of John F. Kennedy.

As is obvious from the language choice of the first Belgian broadcasters, Belgium was at that time dominated by its French speakers, even though Flemings have always been a numerical majority in the ethnically troubled country. In 1928, a group of Flemish listeners tried to unite into a Vlaamse Radio Vereniging (Flemish Radio Association), but the project failed. Like their Dutch-speaking cousins to the north, the Flemings were divided along religious and party lines. Thus, the Catholics had their Katholieke Vlaamse Radio Omroep (KVRO), the Socialists had their own Socialistische Radio Omroep voor Vlaanderen (pronounced Sarov in a perhaps-not-coincidentally Russian-sounding acronym), the Liberals their Liberale Radio Omroep (Libradio) and the Flemish Nationalists their Vlaamse Nationale Radio Vereniging (Flemish National Radio Association). All these were private bodies dependent on contributions and advertising. The Flemings were divided and provincial--the VRV was headquartered in Antwerp; whereas the French-speakers were united and firmly based in Brussels.

CENTRALIZED BROADCASTING

The Belgian government viewed with concern the rise of broadcasting and the ups and downs of private, sectional broadcasting organizations. When Radio-Belgique ran into financial difficulties in 1930, the Brussels administration acted. By a large majority, parliament voted to establish the INR (Institut national belge de radiodiffusion), also known as NIR after its Dutch-language initials. It was charged with the production of radio broadcasts, including newscasts, which must be totally impartial--perhaps an impossible task in an ethnically, linguistically and politically divided country. The country's newspapers did not look kindly on this new competition, funded by public revenues.

How was impartiality to be achieved? There were to be two sections, French and Flemish, but only one administrative council. The latter was

to be made up of three Catholics, three Liberals and three Socialists, and these nine posts also had to be divided as follows: three Flemings, three Walloons and the three Bruxellois. This is a perfect illustration of the political balancing acts at which Belgium is a past master. Especially at that time, Flemings tended to be Catholics and Walloons tended to be Socialists. It was not always easy to find someone who fit the necessary ethnic and political requirements and also had the time and talents to serve on the Council.

The INR-NIR had a total of 68 employees in its initial stages, not counting the players and conductors of its in-house orchestras. Its first program was broadcast on February 1, 1931, from 5 to 10 p.m. The different sectional associations were not abolished--the Institute had to relinquish twelve of its 35 weekly hours on the air to them. The associations continued to appeal for private contributions. Just before World War II, the INR moved into its new buildings on Eugène Flagey Square in Ixelles, South Brussels, remaining there till the mid-1960s.

As war broke out, local transmitters in Belgium had their licenses canceled, and the INR itself ceased transmission. In 1942, the government in exile in London announced the creation of the Office de radiodiffusion nationale belge (ONRB, or BNRO in Dutch), broadcasting to Belgium via the BBC. At the same time, a station which was destined to become world-famous went on the air from Leopoldville, capital of the Belgian Congo, transmitting on shortwaves back to the occupied mother country and to Belgian exiles, and using the call letters OTC. They continued on the air until the eve of the independence of the Congo, so that Belgium was in the unique position of being represented worldwide in broadcasting by a station in its major colony, rather than in the mother country. Shortwave transmissions directly from Belgium began only when the loss of the Congo, now Zaire, was on the horizon.

By contrast with, for example, the Voice of America, but similarly to the major missions of the shortwave stations in Canada, Switzerland, Norway and several other Western countries, the principal task of Belgian shortwave broadcasting is to serve Belgian citizens abroad. These fall into a number of groups: sailors, development personnel working chiefly in Africa, especially in the former Belgian possessions of Zaire, Burundi and Rwanda, missionaries and religious personnel (overwhelmingly Roman Catholic) and to a lesser extent Belgian emigrants and settlers in such countries as the U.S., Canada and Australia. There are also Belgian businessmen overseas, representing such Belgian-based firms as Agfa-Gevaert. Paradoxically, since Brussels is frequently called "the capital of Europe", and more European political organizations are headquartered there than in any other European city, the emphasis is on broadcasting to the non-European, overseas world. This is, of course, a historic phenomenon resulting from the early OTC years. However, coverage of at least the peripheral European countries is increasing, first, with Spain and Portugal, where many Belgians go on vacation or settle for retirement, but more recently, with the carrying of broadcasts in English on 1503 kHz medium wave, intended mainly for the British Isles, in parallel with shortwave.

After World War II, the INR-NIR returned, but the private, commercial broadcasting associations did not have their licenses renewed. Broadcasting became a state monopoly, and the people lost their favorite commercial programs. Some variety was provided by the establishment of a second network in the two main national languages, but theirs was a regional task: to develop the culture of the different provinces. The task of RTB-2 and BRT-2 is changing nowadays, however, when these state-run networks are faced with enormous competition from a plethora of Free Radios which have sprung up since the late 1970s. RTB-2 and BRT-2 are being forced to appeal to younger audiences; they are turning into pop music channels. The post WWII years saw enormous growth in the INR-NIR, including schools broadcasting, and local broadcasts for the third official language group, German speakers who live in the eastern cantons of the province of Liège. The German speakers, being part of the Walloon province of Liège, are the responsibility of the French network, which is

now the RTBF, not the Flemish BRT (although German and Dutch are, of course, linguistically much closer than German and French). Incidentally, you can hear the daily German newscast from the RTBF relayed on shortwave at 1130-1145 UTC on 17675 kHz. With fifteen minutes daily in German on shortwave, RTBF must be the smallest German-speaking station currently on shortwaves.

In 1960, as Flemings and Francophones moved further apart, the old INR-NIR was split into Radio-Télévision Belge (RTB, which in 1972 became RTBF, emphasizing its Frenchness) and the Belgische Radio en Televisie (BRT), two separate broadcasting boards each with their own autonomous administrative council and management. The Belgian government no longer retained any powers to interference in the internal affairs of the two broadcasters, there is no official censorship. Officially, the BRT and RTBF journalists are nonpartisan and strive to be objective. But there have been many complaints of partisanship, and in response to this, the two stations have gone right back to the system of the 1930s--once again, they provide air slots to political parties, trade unions, employers' groups and other bodies, to use as they see fit.

In the mid-1970s, "Free Radios" galore took to the air. Anyone with money to build a transmitter started broadcasting, and in a tiny country, further divided by two language borders, chaos reigned. The government stepped in and regulated the free radios, requiring, not precisely a license, but a formal application before taking the air, and it also regulates their power and coverage area. Also, the free radios are not permitted to carry advertising--this is about the only difference from the early days of broadcasting in Belgium. All in all, we can say that there is nothing new under the Belgian sun; in seventy years, broadcasting in Belgium has come full circle.

REFERENCE:

Marc Platel, "Soixante-dix ans de radiodiffusion en Belgique", Septentrion. Revue de culture néerlandaise, 13-1 (avril 1984), 74-78.



From Andrew Wertheimer, Golden Valley, MN:

Sun., May 27, 1984

Minneapolis Tribune

Voice of the Andes booms out missionaries' message

By Alan Rieding
New York Times

Quito, Ecuador -- On the afternoon of Christmas Day 1931, an old organ played, a trombone provided accompaniment and a group of Americas Protestant missionaries standing in a converted barn 9,300 feet above sea level belted out the hymn "Great is Thy Faithfulness."

A microphone and a 250-watt transmitter brought to Quito from Chicago carried their message to the owners of the six radio receivers to be found in Ecuador at the time. The Voice of the Andes was at last on the air.

Today, millions of shortwave listeners playing with their radio dial have been stopped by an unusually powerful signal -- often stronger than that of other Voice of America or Moscow radio. In half a century, the Voice of the Andes has grown into the largest missionary radio station in the world. It broadcasts in 14 languages for a total of 1,300 hours each week, and its 500-kilowatt transmitter is the largest in Latin America and twice as powerful as anything used by the Voice of America.

"We're always looking for new ways of spreading the Word," said Richard Brooch, field director in Ecuador for the World Radio Missionary

Fellowship, which is based in Miami.

One secret of its success is that while reaching out as far as Japan and Scandinavia, the fellowship has never neglected Ecuador. It operates a hospital in Quito and a jungle clinic in the eastern town of Shell, and some of the energy produced by its two hydroelectric dams is donated to local authorities.

Still more remarkable, HCJB radio -- its call sign stands for "Heralding Christ Jesus's Blessings" in English and a similar message in Spanish -- has avoided political clashes with the succession of governments that have ruled Ecuador since the 1930s.

"We don't preach against Catholicism, against the government, against the country," Brooch said. "Ours is a positive message. We try to be of service to the government and people of Ecuador. During times of crisis, we only broadcast the bulletins of the government of the day."

Numerous U.S.-financed Protestant fundamentalist sects are setting up operations in Latin America, all competing fiercely for converts. HCJB, by contrast, is a multidecennial operation built around a broad statement of faith. "The fundamentalists are more to the extreme," Brooch said. "We're more in the middle."

BROADCASTING FROM THE HIGH SEAS: THE HISTORY OF OFFSHORE RADIO IN EUROPE 1958-76

A REVIEW — Michael Bolitho, Toronto, Ontario

Author: Paul Harris
Publisher: Paul Harris Publishing, Edinburgh
Source: George Philip Services Limited,
Arndale Road, Wick, Littlehampton
West Sussex, BN17 7EN United Kingdom
Price: eight pounds fifty pence (sterling)

This book first came to my attention about six years ago. Unfortunately, it has taken me six years to obtain a copy. The publisher's agent in North America reports that it is out of print, but I had no trouble obtaining a copy directly from England.

As the title implies, Broadcasting From the High Seas deals with the history of offshore radio. It concentrates mainly on the three year period beginning at Easter 1964 when the first of the pirates, Radio Caroline, appeared off the coast of England to broadcast pop music and light entertainment to audiences fed up with BBC programming. Radio Caroline was soon followed by a number of other stations, operating not only from ships but also abandoned war works in the Thames Estuary and other locations off the coast of England. The stations were not only welcomed by listeners but also by advertisers desiring an outlet in which they could promote their goods.

The book traces various inter-station rivalries, which, for Radio City, ended with the murder of its owner. Such hi-jinks were not to be allowed to continue. The British Government in 1967 enacted the Marine Broadcasting Offences Act which had the effect of putting all the broadcasters, with the exception of Radio Caroline, off the air.

Brief mention is made of other stations which operated: the stations off the coast of Scandinavia in 1958, which appeared to be the first floating radio stations in Europe. The book also makes passing reference to the Voice of Peace (still on the air off the coast of Israel, and reported heard in North America on short wave) and New Zealand's Radio Hauraki.

Quite in-depth coverage is given to a second set of stations: those which operated off the coast of Holland from 1960 until they were put off the air in 1974. The information here is no less fascinating than that given in the section on the British stations. And, like their British counterparts, Dutch inter-station rivalry sometimes got a little strong. The bombing of the Radio Nordsee International ship, the Mebo II, by rival Radio Veronica, for example. The author also provides background material on the jamming of Radio Nordsee International by the British government during the General Election of 1970.

For the individual interested in offshore radio, or indeed unofficial radio broadcasting in general, this work would be a good addition to the library. It is quite easy to read, and I found it fascinating reading. It is also well-illustrated, including a photograph or two of raiding parties descending on rivals. The price is not unreasonable, either.

Broadcasting from the High Seas is not without fault. First of all, it is not a complete history of European offshore broadcasting as the title might imply. It does not, for example, give more than passing reference to the Swedish offshore stations which predated Radio Caroline by six years. Secondly, the book is now eight years old, and out-of-date. These shortcomings are fairly minor to somebody interested in an area which very little has been written and published, and what has been published is now out of print. For example, I am aware of a work entitled Radio on A Shoestring, which is about New Zealand's Radio Hauraki. It, unfortunately, seems to be out of print.

Considering this past year has seen the return of Radio Caroline to the air after a sinking some four years ago, a more recent chronicle would be appreciated. Some will recall the broadcasts on 6206 KHz which were presumed to come from the Mebo II about six years ago. The pirates may not have the high profile they once had, but they are certainly still around. Further more, if rumours are true, it looks as if there will be another radio ship off the shores of England later this year.

Sam Alcorn strikes again! This time it's Travel-Holiday magazine that gets a dose of Sam's journalistic talents, and take note of that nice plug for NASWA! You can write Sam at 64 Midland Blvd., Maplewood, NJ 07040.

Shortwave Radios

Here and There

by Sam Alcorn

As a young boy, I reached out beyond the confines of my drab New Jersey town to exotic Africa, Asia, Europe and South America with the help of a shortwave radio. From a little corner of my room, I could descend on any part of the earth.

I've since been to a few of those far-off places, and I still tinker with a shortwave radio, mainly to fill the long gaps between trips. For a travel junkie like me, a shortwave radio helps the time between trips go a little faster.

For the uninitiated, there's more on the radio dial than just AM and FM. A whole world is at your disposal by way of shortwave. Any armchair traveler can twist a dial and land in London. The British Broadcasting Corporation (BBC) will let you hear Big Ben tolling on the hour, world and local news, concerts, interviews and maybe a sneak preview of what's on the London stage.

Depending on your mood, you might drop in on Quito, high in the Andes Mountains, or you might visit tiny Belize in the steamy jungles of Central America.

Then you might shoot back across the Atlantic Ocean to West Germany or Czechoslovakia. Maybe you'll see what's doing in Egypt or Israel before sitting back in the comfort of your home for an evening of Russian folk music from Moscow.

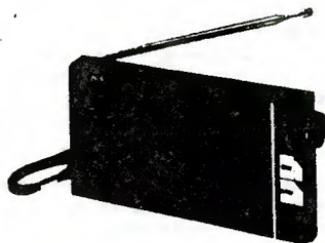
My armchair travels have taken me to some out-of-the-way places: Uganda for Soul Train in Kampala; Iran during the early days of the hostage crisis; little-known Albania, the maverick communist nation few travelers ever see, and Grenada long before the Caribbean island nation became front-page news.

Outside the United States, the shortwave radio is part of daily life. The BBC, for example, boasts a worldwide audience of 100 million. But in this country, radio hobbyists make up the bulk of the shortwave listening public. That's a shame, because shortwave radio has so much to offer, especially for the home-bound traveler.

Many stations, like Swiss Radio International and Spanish Foreign Radio, offer first-rate travel programs highlighting the history and beauty of their respective countries. That trip you are planning to Israel, for example, might be sometime off, but Kol Israel will give you a front-row-seat tour now of the Jerusalem City Museum and the archaeological digs in the city's old quarter.

Language is no barrier. Dozens of broadcasts are in English, and some stations even offer language lessons, including German, Spanish and Chinese.

Most important is that shortwave radio picks up where tour books and brochures leave off. Shortwave can transport you across time zones, oceans, mountains and continents with a turn of a knob. It presents an up-to-date sound snapshot of a



region's politics, culture and music. Listening to the call to Mecca, the high-stepping patriotic music of Cuba or the revolutionary slogans from Nicaragua gives you a unique and rare glimpse of a country.

Some travelers take their shortwave receivers on vacation. Thanks to the Voice of America and American Armed Forces Radio, you are never more than a twist of the dial away from the news back home.

New technology is making cheaper and easier-to-use radios available. One travel radio is no bigger than a pack of cigarettes, and many manufacturers are using digital frequency readout to take the guesswork out of tuning in a station.

Learning when and where to tune is simple enough. A general rule of thumb is to tune stations in the 40, 51 and 25 meter bands in the early and late evening hours. Stations in the 19, 16 and 15 meter bands are best heard during daylight hours. There's plenty to hear around the clock. The trick is to tune slowly, because the same stretch of the AM radio band that yields five stations might bring in 25 broadcasters on the shortwave band.

Of course, it helps to have a guide. The bible of shortwave listening is the *World Radio-TV Handbook*, published and updated annually. It can be ordered at most bookstores or directly from Giffler Associates, Box 259, Park Ridge, NJ 07656.

Joining a club may also help. There are dozens in North America, one being the North American Short Wave Association. A \$16 membership fee brings you a monthly magazine chock full of listening tips and updates on what's being heard around the dial. For more information, write 45 Wildflower Road, Levittown, PA 19057.

You can even get a souvenir of your "travels." Sending a letter, noting the day, time, frequency and a few program details, will bring you a QSL, a postcard-like verification that you heard a specific station. Some stations give their addresses over the air, or you can check the *World Radio-TV Handbook*. Return postage, by way of an International Reply Coupon, is suggested.

My favorite QSL is from the Voice of Turkey. Among the technical jargon is a Turkish proverb: The Turkish humorist Naarettin Hoca was asked what they do with the moon when it gets old. He said they cut it up into little pieces and make stars.

On a clear night, when I look at the moon, I can't help but think of Turkey. I may not have been there in person, but I've been there by radio. O

When not traveling the airwaves of the world, shortwave enthusiast Sam Alcorn is a reporter for Dave Jones.



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

User Notes: Icom IC-R70

Some members have expressed difficulty in understanding the operation of the IC-R70's PBT (VBT) and notch controls, while others seek to improve upon their DXing techniques using this receiver. This month we feature operation of the R70 as described by some well-known users:

Steve Reinstein - my R70 is still unmodified, although I do plan to upgrade the stock ceramic SSB filter with the FL 44 filter. I prefer ECSS operation for serious DXing, but I try to use USB primarily, even though it requires use of the function button in sequence with the SSB button on frequencies under 10 MHz. The audio in LSB, on my R70, seems less clear and inferior to the audio when in USB. Perhaps this is the fault of the cheap ceramic filter?

My own normal routine is to begin tuning slowly in USB, at the low range of whatever band I'm monitoring. I slowly tune upward in the 100 Hz position, with the PBT (VBT) set at 1 o'clock and the notch off. When I come to an unfamiliar carrier, I change to the 10 Hz position and make certain I've got the correct frequency zero-beat. Slight PBT adjustment may be necessary, depending upon interference. If there is too much interference in USB, I switch to LSB, retune the main tuning dial to accommodate the frequency offset, and change the PBT to 11 o'clock. I find the notch filter can be of great help at certain times, especially with unwanted heterodyne whistles. I don't advise DXing with the notch on all the time, you may actually be notching out a signal that you're trying to hear! Notch settings vary greatly, depending upon the particular conditions. When using the notch, I would advise turning the knob very slowly, so as not to go past the proper setting.

Chuck Bolland - all the modifications on my R70 were done by me. I have the AM narrow modification using the dial lock as my switch, rather than the FM switch as used by EEB. Instead of the FL 44 crystal filter, I have the MF 455 mechanical filter, which I modified. I have compared my radio with one that had the FL 44 and found hardly any difference in quality. The price for the MF 455 is \$ 25 plus postage from Icom. I have two other modifications which came from the International Radio Inc. newsletters for Icom, 364 Kilpatric Ave., Port St. Lucie, FL 33452. I find this newsletter very informative and suggest that all ICOM owners subscribe. I think it is \$9 per year.

I prefer to use the AM narrow when scanning the bands. I find that if I turn back the RF gain to about 2 o'clock and switch the AGC to off, I'll not get much overload between stations. (Have you noticed the increased signal strength in AM compared to SSB? I think this is due to the 455 filters) When I find a station, I'll use the PBT and the ideal setting seems to be at 1 o'clock. However, I also find that I can tune off the frequency with the main tuning dial and back tune with the PBT, often times pulling in an otherwise unreadable station.

I use the notch for "hets" and TTY signals and only in SSB. When I'm tuning in SSB or ECSS, I use a set procedure. If I am tuning up the band (4755-4999), I use USB. If I am tuning down the band (4999-4755), I use LSB. I find this easier to tune into the center of a signal without going backwards, after I find the carrier.

Terry L. Krueger - I've been very pleased with my R70 since obtaining it 1½ years ago. I really have never developed any particular technique in using the PBT (VBT) and notch tuning. I'm the type that just "twiddles-till-it-sounds-right-hi!" On 60 meters I do most of what I'd consider "thresh-hold" Latin American DX in the ECSSB mode. Having operated several others' R70's I've concluded that there are variations with in each receiver, thus it's really hard to designate exact tuning increments or steps. My R70 is unmodified. I'm told that the FL 44 filter is really quite an improvement, but I just never could fork out the seemingly high charge for its' installation, not part with the receiver for a couple of weeks for that matter!

I just never could fork out the seemingly high charge for its' installation, nor part with the receiver for a couple of weeks for that matter! I did add an external speaker, a President 711SX (designed for CB use) that plugs directly into the external jack for greatly improved audio. I recently had the opportunity to test the new R71A- and my feelings were mixed. The 32 channels and scan were nice, but the elimination of the 10 Hz tuning rate and RIT make SSB tuning a bit slower, and the lack of notching in AM is sorely missed. I also didn't like the two-position narrow/wide filter- neither did audio justice compounded by the speaker being top-mounted. I'm convinced that ICOM left some of these features off so as to create a market for yet another upgraded version. One strange problem experienced with my R70 (and at least two others I know) was a brief apparent AGC short, causing the audio to drop out. I wrote to ICOM, but the techs said they hadn't experienced this problem. To date, it's only happened once on my set though.

Jim Herkimer - my R70 is equipped with the FL 44 SSB filter and has been modified to allow use of the narrower SSB filter for AM reception. I prefer ECSS, more specifically LSB, for most of my DXing. My normal routine is to tune the desired station's frequency one kHz higher, to produce a beat note, and then I adjust the PBT and notch for best clarity. This usually corresponds to the notch control set at one o'clock, and the PBT at 11 o'clock. Then I retune the main tuning dial to the correct frequency, zero-beating with the dial in the 10 Hz position, fine-tuning when necessary with the RIT control. Finalizing the PBT and notch usually requires very slight re-adjustment from these settings.

If this does not prove satisfactory, then I switch to AM, and set the main tuning dial one kHz higher, with the PBT and notch both set at 1 o'clock, or 1 kHz lower with the PBT and notch both set at 11 o'clock. These are the settings that work best for me.

Bob Wilkner - My R70 has the FL 44 filter installed with a provision for use of this filter in AM. I use ECSS for locating the carriers of weak signals and then use ECSS, usually in the USB mode or Am narrow for the log. I only use the notch filter to remove hets or other interference. I also tune the PBT and the AF gain at the same time attempting to strike a proper balance. I have found the USB, at least on the four sets that I have operated, to be superior to the LSB. The notch filter together with the PBT in ECSS can take out most hets and interference. In AM narrow I like to experiment with the AGC turned off.

I have found an antenna tuner, in this case a YAESU FRT-7700, to be useful when using a longwire antenna.



Jim left me some room and it's a good opportunity to mention the nice catalog received from the folks at Universal Shortwave Radio, 1280 Aida Dr., Reynoldsburg, Ohio 43068. Fred Osterman has put together a product line with, well, "something for everybody", regardless of experience or taste. \$1 (or 3 IRCs) will bring you the 70 page catalog and, yes, it's refundable with your first purchase.

Don't forget to grab a copy of Gerry Dexter's "CLANDESTINE CONFIDENTIAL" book, from Universal, and further your knowledge of Kampuchean clandestine broadcasting. (JH)

Well, it is nice to be back but I'm not sure about all this typing....

The season is just about here (no not football, man, DX!) and with it your chance to explain to your neighbors why you get up in the middle of the night to listen to a weak station which you couldn't understand anyway. Just remember....we're OK, it's the world that's wrong.

Thanks again, everyone, for the congrats. I like it too! 73s, *Herk*

AUGUST 1984

Listeners Notebook

GLENN HAUSER, Box 6287, Knoxville, TN 37914



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AFGHANISTAN TASS reported 29/6 from Kabul that Afgh MinCom'd built 10 new radio stns in countryside since Apr 78 revolution. Afgh radio's form bcs were of great importance 'in the struggle against the anti-Afghan campaign of Western propaganda' and apart from the V of the Homeland for Afghans living abroad, bcs [were] made daily in EG, RS, FR, AR, and five other SAs langs (WBI 5/7) /+LMI

ALASKA Latest ancd sked for KNLS; they seem to like fq changes! : 0700-0930 11850 EG As/Pac, 0930-1200 11810 RS CAs, 1200-1500 11945 CH China, 1500-1730 11790 RS Eu, 1730-2000 11790 EG Eu. At 0700-0800 KNLS has a very nice mx pgm of big band mx; too bad it's on at 2 am here in Texas (Daniel Luce, Austin, 4/

ALGERIA R Algiers on 17745 (//9685 @ SIO 131) @ SIO 3+53+ 2016-2033 17/6 w/ 7) "Sound of Music" pgm--played contemporary artists, e.g. Michael Jackson. 2028, requested listener comments & criticisms of pgms. Enc // 254 981 15160 9510 9640. Gave addr: RTA International Svc, 21 Blvd des Martyrs, Algiers. Into SP at 2030. Best reception in a long time! (Richard A D'Angelo, Wyomissing PA) LMI

ANGOLA RNA Luanda stable lately on 5295, 1900-2400+ (Richard Ginbey, Bophutha-Tswana, RSA, RNMN 12/7) So don't confuse w/Moundou, Chad, also arnd this fq+LMI

ANTIGUA BBC 6195 noted w/awful quadruple echo at 1112 24/6 during "World Phone -in"; other Antigua fqs inaudible; no echo on Oman and Singapore fqs. I suspect a combo of short path and long path factors plus satellite problems (Dale Park, Honolulu HI) & the fact that Singapore & Antigua are both sked at this hour; guess BBC doesn't care if echoey in middle of Pac in middle of nite (gh)

ARGENTINA Tuned into RAE at 0243 28/6 on 15345 (SIO 454) and caught "DXers' Special #104," their DX pgm. This was first time for me but may listen in future. This evening was about LV6, R Nihuil on 680 and 93.7. Played tape ID and ancr chatter. YL host gave historical perspective of Mendoza & LV6 (i.e. bc 20h per day and staff of 60). Followed w/some stale DX tips and contest for DXers info; 9 mins in total (Richard A D'Angelo, Wyomissing PA) Noticed some nice tango mx 18/7 at 0820 in //on 6060 9690 9710 (gh)

ASCENSION/MADAGASCAR RN noted 14/6 on 9715 w/brief bit of IS at 2029½ atop BBC. RN was 10 dB stronger than BBC had been prior to Dutch stn's appearance. So, on this date at least BBC & RN were not clandestinely sharing the same xmtr as was previously suggested by Hauser and others (C M Stanbury II, Ridgeway Ont, SWNS) Had given up checking this daily, but tried again in mid-July to find just the opposite--immediate drop-off in strength from RN; no audio overlap and no break in carrier detected. All still inconclusive (gh)

AUSTRALIA R Australia PNG svc an interesting change from mainstream EG svc, hrd 18/7 opening at 0800 on 5995 and weaker 9760; after pgm summary, part of which was in Pidgin--oops, Neo-Melanesian, went right into mx, "Jump" w/ out bothering w/nx on the hour (gh)

R Australia, in "Talkback" SWL pgm 7/7 and tests'd take place 16/7, 17/7, 23/7, 24/7, 30/7, 31/7: Std CH 2200-2230 11710, 0930-1430 7135; EG to SEAs 0130-0830 21720 (WBI 12/7) The point of the tests BBCMS omits: From Darwin, tho same fqs other days may be other sites (gh) more, Last Minute Info

BANGLADESH R Bang now obs in BG to WEu 0800-0930 on 21640 17800 (WBI 21/6)

BARBADOS Barbados-based Caribbean Nx Agcy--CANA--reported 25/6 that launched it had [sic] a 15 min nxreel pgm for radio stns from new hq at Beckles Rd, just outside of Bridgetown. "Caribbean Today", the new daily pgm, was conceived about 5 yrs ago but had remained a dream due to prohibitive prices quoted for telecomms circuitry. UNESCO and FRG helped. The new radio svc, Canaradio, operates from modern sound studio w/16-track console. Next step: video (WBI 5/7) How about details of which stns carry pgm & when? (gh)

BOLIVIA Several stns on reduced skeds due to economic crisis, incl: 4796, R Nueva América, 1000-1310, ?-1830 (very irregular), 2000-2200 (irr for fútbol), 2200-0400; Sun 1030-2245/2300, 4828v, R Grigotá, 1520a-1830v; 2200-01 ; Sun sked not yet confirmed, but ends arnd 2400. 4876, R La Cruz del Sur, 0950-1300 (Sun -1400*); 1500-1700 Mon-Sat; 2200-0100 Mon-Fri. 4886, R Sararenda, *1215 (v to 1225)-1815v* (occasionally to 1830 or 1840). Was extended 12/7 for spl pgming to celebrate anniversary of town of Camiri, past 2200, lost in QRM. 4938v, R Norte, 1115-1245, 1630-1800, 2200-0300; Sun *1100/1200v-0200*. 6146, R Laís de Fuentes, 1500-2130+ (Sun: 1300-1700) (Tony Jones, Paraguay, 13/7)

R Ichilo, 5076, sent personal letter signed by Marcelo Huanca Dorado, Departamento Prensa y Programación; power 120 watts; took 35 days; sent C10 cassette and one US\$. Said they don't have cassette recorder!!! Addr: Casilla 463, Santa Cruz de la Sierra; no postal service to Villa Bush whence xmits (Giuseppe Zella, Italy, Play-DX 25/6)

Cadena Panamericana in La Paz reported 19/6 that the workers of the state-owned radio stn (presumably R Nacional de Bolivia) had given Ministry of Info 48h to approve a tech maintenance budget; otherwise stn'd stop bcng due to spareparts lack; they had to be imported. Workers accused Administrative Dir of MInfo of lack of sensitivity to requests of stn's execs & workers. The radio stn workers' unions'd reported that the differential fq ("Frecuencia Diferenciada") [what's that?] and one of its SW fqs were not on air for lack of spare parts. Workers'd and that after the 48h emergency, they'd go on a 24h strike and that if during this time, their request wasn't fulfilled, they'd go on an indefinite strike (WBI 5/7) more, IMI

BRAZIL 3375, R Equatorial de Macapá, unlisted stn, hrd regularly between 0400 & 0800 when other Brazs off the air; presumed 24h; beware other ZY stns on this channel--R Dourados and R Nacional São Gabriel da Cachoeira are both active. 4775, A Voz do Oeste now 24h, tho has irregular breaks at varying times, presumably for xmt maintenance. 3205, R Ribeirão Preto ("Sua Radio 69v") now being hrd from before 0715 (previously *0800). Note ID most often used, tho I have no idea as to the significance of '69' since listed MW fq is 590 (Tony Jones, Asunción, Paraguay, 13/7) Hmmm... (gh) more, IMI

New stn: R Fundação Verdes Florestas, 2350 kHz, 1 kW, addr 69980 Cruzeiro do Sul, Acre (Cláudio R Moraes, WRTH via Play-DX) R Dif de Jataí Ltda, 4935, sent QSL card in 28 days; had sent C60 & Ital stamps and 220 cruzeiros in stamps; letter had 620 Cr postage. Addr: Rua José Carvalho Bastos 542 (Caixa Postal 33) 76300 Jataí, Goiás, V/s: I. Furma. Stn is interested in reports! Call is ZYF 694 (Dario Monferini, Italy, Play-DX 18/6) And repro of letter shows acute accent on I of Jataí, contrary to my understanding of Portuguese orthography wherein words ending in I are automatically stressed on that syllable (gh)

RNB to Eu now on 15270 for entire bc to Eu & Af, instead of 15280 for portion until 1900; however, start time for EG varies: in progress at 1800 24/6 (Dale Park, HI) Nominally starts at 1750, per anmts hrd on NAM svc--why do they keep changing it? Must reduce their potential audience; odd time worsens (gh)

BULGARIA R Sofia ES in EG: 0000-0100 NAM 11870 9700. 0400-0500 A11 Af uncon-

firmed. 0400-0500 NAM 11750. 0730-0800 Eu 15310 11720. 1830-1930 All Af 11960. 1930-2000 Eu 11720 9700. 2030-2130 All Af 15370 15310 11960 11840. 2130-2200 Eu 11850 11750 9700. 2230-2330 NAM 11870 9700. BG to NAM 2330-2400 11870, 9700; 0100-0130 same (WBI 5/7)

CANADA [Cf July LN-28] CBU via CKZU 6160 noted w/strongest signal ever 13/6 at 0710-0810* w/"Eclectic Circus". At 0804 anmt that they'd shift to Montreal for "Radiowaves" show, but abruptly off 0810*. Should there have been rx at 0800 followed by "O Canada" and s/off? (Dale Park, HI) CKZU was reported a good many months ago to have fixed up its xmtr, but maybe further changes?

CAPE VERDE Em Oficial, Práia, 7155, carrier 0735, gong-style IDS 0738, anthem & PT anmts from 0740; into mostly ballads to 0800 PT nx; audible to about 0815 but very tough after 0800 due to QRN 21/6. Great to hear it, as have been watching for this for a couple of years! (Peter Bunn, Vic., Australian DX Nx) Tnx to PB's phone call, noted this 0745 w/ballads to 0800+ via long path 21/6 (Bob Padula, ibid.) Believed this at 0750 w/mx but no ID due heavy TVI 28/6 (Robert Wagner, ibid.) On tip from PB, noted on Sat 30/6 w/gong 0800, PT ID and nx w/signal holding to about 0820 (Robert Yeo, ibid.) Try again in NAM

CHAD QSL from RNT for 2 IRCs and FR report in 64 days; full data; and gave pgm sked & 100 kW power. Addr B. P. 892, N'Djaména; v/s Danrhet Oualbadet, Le Directeur des Services Techniques de l'Information. Sked on 4904.5: 0455-0730, 1555-2100 M-F; 0455-0730 & 1555-2200 Sat; 0455-0700 & 1445-2100 Sun. On 7120: M-F 1025-1430, Sat 1025-1430, Sun 0700-1300. Langs used: FR, AR, Sara, Kanembou, Moundang, Toupourt[? illegible], Gorane, Massa Zakawa (Richard A D'Angelo, Wyomissing PA) Times not certain due to handwriting (gh)

CHINA CPBS Minority Svc in KR on new 8566 at 0958 20/6 and 9920 at 1000 27/6 w/7-note IS and ID "Yogineun kubonmin (sic) bangsong immida" followed by anthem (Dale Park, HI) Why "(sic)"--is their Korean faulty? (gh)

R Beijing bcs in Russian: bracketed figure after time indicates number of bcs during that period--may be a few secs apart and contain identical pgms. Some SW channels vary up to 10 kHz to avoid QRM. 0300-0355 (2) reversed tape: 17535 12450 11660 9335 8260; 17450 15140 11685 11600 11515 11430 9880. 0900-0955 (1) reversed tape 9335 8260. 1000-1055 (2) 9725 7120; 7820 6560. 1100-1155 (2) 9725 7120; 11600 7825 6560. 1300-1355 (2) 9725 7120; 7825 6560 5850 5145. 1500-1555 (2) 9725 7140; 15150 8365 7820 5850 5145. 1600-1655 (2) 9725 7140; 15150 15135 15040 11780 11650 9965 9820 9640 9365 9340 9315 7620 7055 7035. 1700-1755 (1) 15150 15135 15040 11945 11780 11650 9965 9900 9820 9640 9340 9315 7620 7035 7010 1521. 1800-1855 (1) 12120 11945 11675 11650 11600 9820 9640 9340 9240 7620 7035 1521. 1900-1955 (2) 4970 4735 4500 1521; 12120 11945 11675 11650 9640 7035. 2000-2055 (2) 4970 4735 4500 1521; 11945 11675 11600 9640 4200. 2100-2155 (1) 12120 11685 11675 11650 9820 7025 4200. 2200-2255 (2) 9725 7140; 9820 9340 7660 7010. 2300-2355 (1) 9725 7140 (WBI 28/6) David Newkirk will probably find a lot of the above inaccurate/outdated (gh)

PLA Fujian Front Stn "Voice of the Strait" (Std Chinese: Hai-xia-zhi-sheng guang-bodian-tai). BCs to Offshore Islands & Taiwan, pgm I in Std Chinese exc also Amoy for wx 1130-1140 & 2300-2310; 1000-2400 span: *1000 7850 6765 5900 5265 5240 4045. 1205 fq change: 5900 to 1300, 5265 5240 4330 4045 2490. 1310 fq ch 5265 5240 4330 4045 3200 2490. 1600-2300 4330 4045 3640 3535 3200 2490. 2300-2400 same [+ MW channels omitted here]. Pgm II in Std CH & Amoy 0355-1800: 0355-0715 9505 7280 7025 6400 6000 5770 5170 4840 4380; 0715- same plus 3400. 1300-1800 5170 4840 4380 4130 3900 3400 3300 2800 2600 [fq change indicated at 1345 but all fqs shown are same!] [+MW]. (WBI 28/6)

CPBS, Peking [sic], BCs to Taiwan, External Svc Pgm I in Std CH 0055-0608 & 0955-0000. 0055- 15710 11100 9455 3815; 0955- 11100 9455 9380 3815; 1300-9380 3815; 1405- 9380 6015 3815; 2300- 9455 9380 6015 3815. [+MW] (WBI 5/1, updated 19/6) Pgm II in Std CH, Amoy, Hakka, 2053-0102 & 0353-1801: 2053- 9170 6790 6095 3360; 2300- 11000 9170 6095 3360; 0353- 15880 11000 6095; 1100- on 11000 9170 6095; 1400- 9170 6790 6095 [+MW] (WBI 28/6)

COLOMBIA 5955, Caracol sports net from as early as 0800 some days w/live xmsn from Tour de France cycle race (Tony Jones, Paraguay, 13/7) LV de Yopal on 5950 w/ID 1416; listed 5050, change or addl outlet? (Rikard Johansson, m/m & Andy Sennitt, WRTH, RNMN 19/7) Or typo more likely (gh) 15/1 at 0359-0515 I

got a reception which confused me somewhat. On 6155 a stn IDing several times as "RFN 84, la radio de Colombia". After having checked every possibility I got the following solution which still confuses me: Radio FN Caracol in Pereira, Colombia, $950 \times 6 = 5700 + 455 = 6155$. What do you think about this rather rare catch? (anon. item forwarded by Bill Oliver). While I would be the first to encourage routine checks for possible harmonization, it doesn't make sense in this case and other explanations are far more likely. A radiated 6th harmonic would be heard on 5700, not 455 kHz higher due to the receiver IF. If an image were involved, it would be removed at twice 455 kHz, but a harmonic is extremely unlikely to be strong enough to produce a receiver image (or to be heard within crowded 49m beyond the local area). No details about your receiver have reached me, but I think you were most likely listening instead to 6160 stn, Emisora Nueva Granada, which has not been known to vary; if you are positive it was 6155, then further checking is needed. Nueva Granada frequently mentions the network of which it is a key stn, Radio Cadena Nacional (RCN, pronounced erre se ene, while "r" does not rhyme with "C", being pronounced efe). (gh) more, LMI

/+LMI

COSTA RICA Cadena Columbia, San José on 4839.5 ex-4825 29/6 & 30/6 0005-0515* including anmt in IT 0500! (P Cacclamatta & Dario Monferini, Italy, Play-DX) Very strong here, more like 4839.6; marginally further from 4832 Reloj (gh)

CUBA RHC to 0600* on 9550, not and 11930; // strong 11760, weak 15300 16/7 in EG; 0520 had end of "Eyewitness Africa" referring to "Union of South Africa" from UNESCO publication; then "From the Land of Music" and later, stamp pgm (gh) Cuba's Tele-Rebelde TV svc reported 14/6 that two modern TV centres would soon open in Miraflores and La Península de Ramón in the municipalities of Moa and Antilla in Holguín province, and'd improve reception of sigs there. The Natl Dir of R Comms 'd reported that by end of 1985 the country'd acquire 43 items of modern radio xmitting eqp from Czechoslovakia; 36 smaller items would be built in Cuba's own telecomms central lab to improve TV signals in the country's remoter areas (WBI 5/7) Sure wonder what 'items'

CYPRUS Reports in GK-Cypriot nxpapers 16/6 said local employees of the French radio stn Somera (the xmtr carrying R Monte Carlo AR svc on 1233 kHz) had decided to go on a one-week strike from 19/6; duration might extend indefinitely. Employees' trade union'd decided on this because of management's refusal to revise 1982 collective agreement. Reports in 19/6 nxpapers indicated strike'd been postponed. Union'd accepted mediation provided agreement w/employers could be reached in next few days (WBI 21/6)

ECUADOR R Zaracay, 3395, now opens slightly earlier on Sundays for religious pgm in Quechua (Tony Jones, Paraguay, 13/7) Such as? more? LMI

EGYPT Nile Valley Radio now noted 0400-0600 on 7150 & 9770 via R Cairo facilities; includex nx 0430, all pgms in AR. Seems to replace former "Sudan Corner" segment (Richard Wood, Sa'udi Arabia, DSWCI SW News via RA JP DX Time 1/7)

EQUATORIAL GUINEA R Africa, 7998, sent letter and map in 21 days; had sent 1 IRC; v/s Gene Grassie; addr: Box 146 Dexter NM 88230 USA. Sked: Mon-Fri 2100-2115 in EG (H Gustavsson, Sweden, via Play-DX, Italy) A pgm rather than a stn, I think (gh) R Nacional switching daily between 4926 and 5005; ES on 7998 not hrd here! (Richard Glnbey, Bophuthatswana, RSA, RNMN 12/7)

FALKLAND ISLANDS On 2380, BFBS now hrd regularly 0230 until lost to QRN at 0600. Suspect that FIBS pgming to 0230, when female ancr says "Now it's goodbye from me...": also audible under Brazilian between 1000 & 1100 w/presumed FIBS pgms. Braz dominates channel between 0700 (carrier, to *0720) and 0300 (Jones)

FRANCE 1/7, RFI obs in Romanian on 15190 15155 11770 1530-1600; 30/6 & 1/7 RFI obs in Russian 1945-2015 on 15315 15190 11995 9605 7135. 1/7 0800, RFI and "as from tomorrow morning, RFI'll bc a new morn nx bull in SP & FR to whole of LAm, incl Caribbean. For FR listeners from 1030 w/new intl nx to 1045. This bc made possible by commissioning, as from tomorrow, of a 3rd xmtr and third group of aerials by the TDF relay in Guyana". 2/7 & 3/7, FR xmsn obs *1030 on 15435, propagation characteristics indicate Fr Guyana (WBI 5/7) See also GULIANA FRENCH --I must point out that the spelling "Guyana" applies only to the former British Guiana--the new spelling had something to do with assertion of independence.

GABON Surprised to hear R Japan relay 16/7 0524 on 15315 in EG, not //Tokyo & not in sked Euro langs; pgm about Tokyo subways; 0532 anmt in EG, FR, GM, abt "technical problems in the Gabonese domestic circuit" so replacing with pre-shipped R Japan pgm tapes of "Japan Cyclopædia", undated, then followed with another; so EG listeners benefit from all the SNAFUs (gh)

GERMANY EAST RBI, V of the GDR in EG; all 45 min xmsns: 0000 ENAm 11975 9730, 0130 ENAm 11975 9730. 0200 LAm=Carib 9620 9600 6070. 0230 WNA4m 11975 11840 9560. 0345 EG&WAF 11720 9500. 0530 WNA4m 11975 9560. 0545 SEAs 21540 17800 17740 17700. 0715 FE 21540. 0845 FE 21540. 1115 SEAs 21540 21465 17700 15440. 1145 ME/NWaf 17755 15240 11890 11700 9730 9665. 1230 SEAs 21540 21465 17700 15440. 1415 SEAs 17880 17700 15450. 1445 ME/Waf 15255 15100 11785. 1515 Eu 9730 7185 6115. 1645 Eu 9730 7260 6115. 1715 C&EAF 15390 15145 9665. 1815 Eu 6115 6080 1359. 1845 Caf 15390 11810 9665. 2030 Eu 9620 6080. 2115 Eu 6080 1359. 2215 LAm=Carib 9620 9600 6070. 2315 ENAm 11975 9730. All one hour later during winter time in GDR (WBI 21/6) Stimme der DDR, Berlin, domestic svc mainly on LW, MW, FM, but also SW: Leipzig 9730 2315-0430 [sorry, but that conflicts with your RBI ES sked between 2315 & 0215], Nauen 7185, times unknown but pgm is 24h, Koenigs Wusterhausen 6115 at 2300-1615 (WBI 21/6)

GUIANA FRENCH Per info from RFI, Montsinery relay operates to LAm 1000-1400 as follows: 1000-1030 SP 9790 9550. 1030-1130 FR 15435 11810 9790. 1130-1200 SP 15435 11810, 1200-1245 FR 15435 11810, 1245-1315 SP 15435 15140, 1315-1400 FR 15435 15140. Same info lists these new fqs 2200-0400 to LAm: 2200-2300 PT 15440 15360 11670=[confirmed 25/7 2200 -gh], 2300-2330 SP 15440 11995 11670. 2330-0030 FR same. 0030-0130 SP same, 0130-0200 FR same. 0200-0300 PT 15440 9790. 0300-0315 FR, 0315-0330 EG, 0330-0345 FR, 0345-0400 EG all on 15440 11670 9790 (WBI 12/7) See also FRANCE (gh) RFI noted on 15180 & 15440 0300 on 26/6; EG nx at 0315 mentioned other fqs to Af 0300-0400 (Dale Park HI)

IRAN [Cf July IN-19] 4895 for VOIRI ES should have read 4985; still using it 18/6 (WBI 21/6) Keeps moving around, it seems: (gh) R Iran [sic] in AR 21/6 1930 on 4980, ex-4985 (Giuseppe Zella, Italy, Play-DX) Since there is a clandestine going by the name of R Iran, and Tehran actually does not, it would be a good idea not to use "R Iran" referring to bcs from Teheran (gh) R Krazy Khomeini, Iran; 9/6 2325 on 4985 in AR (Claudio Dondi, Italy Play-DX) R Krazy Khomeini, 27/6 2140 on 4975 (Zella, ibid.) R Krazy Khomeini, 26/6, 28/6, 30/6 2145-0025 mixed w/Soviet jamming pulses, R Yerevan, Nigeria in EG, VG (Dario Monferini & Zella, ibid.) Oops, last fq was 4990 (gh) R Iran hrd at 0830 on 9525 //15084 in Irani (Noel Green, UKOGBANI, RCI 7/7) Please, it's not R Iran, it's R Krazy Khomeini! (gh)

INDONESIA, IMI

ISRAEL VOI Net-B in HB ancd 1500 21/6: "R & TV bcs'll come to a complete halt in 30 mins and'll be strike-bound until 0100 local (2200 GMT). This follows a decision by the emergency hq of the negotiating delegation of the Isr Journalists Union. Being done due to breakdown of negos w/Finance Minister over journalists['] salaries". Severely reduced svc of nx obs from Isr domestic R & TV 21/6, 22/6, 23/6; 24/6 all VOI DS on open carrier w/nx every 2 hours. IDF R carried normal pgming exc reduced nx. 24/6 1605 VOI Net B ancd "bcs on all radio nets and on TV are now stopped; bcng authority's journalists are now convening to discuss their continued struggle against erosion of their wages". Isr nx agcy ITIM reported 1810 24/6 that a Supreme Ct Judge'd issued an interim order forbidding Govt from issuing 'back-to-work' orders to ensure xmsn of party-political bcs in time for Isr elxions (23/7). Order'd remain in force til matter considered by 3 SCJs following day. IDF R 25/6 1054 reported High Ct of Justice, sitting w/5 justices, 'd ruled against bcng workers and interim order'd been lifted. Elexion pgms carried 1830 25/6 on TV but up to 0900 27/6 all Isr r nets radiating carrier & tone (w/HB net carrying brief nx heads every 2 hrs) except IDFR which continued carrying limited pgms (WBI 28/6) Per anmt monitored on KI 0000 30/6, stn "has resumed bcng on all channels" after agreement to end strike reached Fri aft (David Alpert, NY) VOI Net B in HB ancd 1600 29/6: "VOI presently resuming bcs on all nets, R & TV journalists going back to normal work since an aide memoire signed this aft betw Dir of IBA & reps of exec, and IJU negotiating delegation. Resulting from last few days' sanctions, may be changes in normal skedding of pgms this eve, but'll normalize as of Sun

1/7." VOI also ancd 1800 30/6 that, as of tomoro, election propaganda bcs'll begin, on net B at 0445 & following 1100 & 1500 GMT nx." 2/7 VOI ancd at end of 0900 nx that "due to sanctions adopted by admn workers of TV & R, there'll be disruptions of TV & VOI being skeds, and we apologise to our listeners." Interruptions to both R & TV svcs noted thruout 2/7, incl loss of nx & OC periods on VOI nets B & C and Isr TV (WBI 5/7)

JAPAN [see also GABON] W/out advance publicity, R Japan carried a listener call-in (81-3-465-1111) 1/6 on 1300 or 1500 Genl svc, marking the 50th anniversary of R Tokyo to occur one year later (David Newkirk, Seattle WA)

KOREA SOUTH I also note KK test on 13670 at 0357 0400* 20/6 w/singing by male choir, female choir and male soloist; then abruptly off w/out ID, tx time pips, anything! That it was Iraq or Israel since singing was not in KR but sounded Arab. Rapid fading. Anyway, this is my first 21mb [would you believe 22, or 23?] stn! (Dale Park, HI) Ancd test sked to end mid-July; what's doing since?

LAOS NR Pakse moved up to 6592, enabling it to separate from Lai Chau [Vietnam] (still 6587-8) Pakse to 1415*, while Lai Chau at 1330*. Houa Phan on 4657 1330* on Wed (Isao Ugusa, Kobe, Japan, DX Front Line 30/6)

LEBANON Stn previously IDing as "Artists' Radio" recently obs on 902 kHz at 1100*. Anmts indicated located at 'Alayh, and now IDing as the radio of the Art Community from 'Alayh". Indicated it'd resume next day at 0600 (WBI 21/6)

LIBERIA ELBC on 3255 2340-0002* in EG, SIO 252 w/EZL mx & jazz till 0000 ID & fq anmts, anthem, 26/6 (Richard A D'Angelo, Wyomissing PA) MALI, LMI

MARIANAS NORTHERN Finally hrd KFBS again, in VT 2331 29/6 on 15125; bc ends w/ EG anmt inviting listeners to retune at 0900 in RS on 11775. KFBS must be the only US SWBCer that thanks the FCC for giving it an authorization to operate (Dale Park, HI)

MAURITANIA Off fq from 4845 again, in FR at *1753 27/5 (R Celestre, Play-DX; Italy) I.e., hrd on 4840

MEXICO R Educaci3n, Mexico City, 6185, on late w/fiesta style pgm past 0730 17/6; TCs after each song (Bob Padula, Victoria, ADXN)

MOROCCO R Mediterranean Intl (Médi-Un) recently obs on SW: Morns 17700 15250, afts 15350, eves 15250. Relays commercial svc in AR & FR on 1233, 612, 173 kHz (WBI 5/7)

MOZAMBIQUE R Moz back on 9618, hrd since 25/6, from 1250 w/mx, 1300 PT nx, mo mx to 1330 f/out (Ernie Behr, Kenora Ont, 13/7) R Moz, natl pgm in PT 0245-2212 on nominal 15295 11820 9620 7240 6115 4865 3210, subject to considerable variation. W/some variations, nx generally on the hour; other pgms include "A Date in History" at 0505-0510 & 1045-1050; "The Meaning of Words"--ideological definitions, Mon-Sat 1645-1650. Maputo e Gaza Interprovincial Pgm on nom 9525 7110 4925 3340, variable, 0255-2212 in PT & Tsonga; relays PT nx from Natl Pgm. Provincial stns, nom fqs here, all vary considerably: Beira (Sofala Province) A Pgm 6025 3370; B Pgm 9635 6090 3280. Nampula 7255 and 4 and 3 MHz channels. Pemba (Cape Delgado Prov) 7150 4857. Quelimane (Zambézia Prov) 7145 4000 3195; may relay certain Natl Pgm nx (WBI 21/6) 12/6, R Moz DS ancd that a new edn of party radio pgm "The V of Frelimo" 'd be xmt'd on Natl Pgm at 1800 Fris as from 15/6. This 3rd edn of pgm'd be bc only til 25/9, designed to "Hail the 20th anniv of the armed struggle of natl liberation" (WBI 21/6)

NETHERLANDS Sunrise R will carry out test 5 Aug 0900-1000 on 11416. Report to Box 41, 7700-AA Dedemsvaart, Holland (R Telex, Bremen, via Play-DX 18/6) RNW's final test on 9650 hrd at 1038 30/6 w/usual IS & ID plus info by Jonny Marks followed by "SW Feedback" (a favorite of letter writers from India & Bangladesh, hi); QRM from unIDs on 9651 & 9640. BC it replaces noted at 0850 30/6 on 9715 w/QRM from RTTY on 9707 & 9718, but no sign of FEBC, which usually messes up fq after 0855. This seems to be part of an invasion by ute stns of SW-BC bands in retaliation fro SWBCers moving onto ute bands (revenge of the uti, hi) (Dale Park, HI) NEW ZEALAND see N Am Pirates sexion for KIWI Radio+LMI

NICARAGUA Don't listen that much to V of Nicaragua, but when I do there's usually a rather heavy SP accent; however, 16/7 at 0450 on 6017.5 (insistently referred to as 6015 and even fooling some listeners to report it there) hrd instead an American woman ancr w/southern accent (gh) 19/6, R Sandino reported

that a Telcor (Nic Telecomms & Postal Svcs) delegation'd visited USSR 5-13 June and'd held talk w/Sov delegation headed by Sov Comms Minister. Discussions'd taken place on "the problems of cooperation in the comms field and aspects related to the construction of the Intersputnik comms system in Nic" (WBI 28/6)

NIGERIA VON on 15120 1125-1202, SIO 343 17/6 w/World Nx from Lagos, then nx on Nigerian & African events; 1153 EZL mx; TC in LT & GMT at 1200 (Richrd A D'Angelo, Wyomissing PA) Congrats for hearing the seldom audible so-called NAM svc; one can rely at least on nx being on the half hr from VON (gh)

VON, the Intl Svc of the FRCW, Lagos; EG to diff targets are linked for World nx, contry, nx abt Nigeria but otherwise separate. Complete sked: 0500-0600 EG Waf 7255. 0500-0600 EG Af/Eu 15120. 0500-1000 EG Eaf 11770 [had been 15185]. 0600-0700 FR Waf 7255; FR Naf/Eu 15120. 0700-0800 EG Naf/Eu on 15120. 0700-0800 Hausa Waf 7255. 0800-0830 AR Naf/Eu 15120. 0800-0900 EG Waf 7255. 0830-1000 EG Naf/Eu 15120. 0900-1700 EG Waf 7255. 1000-1100 SH EAF 11770. 1000-1200 EG Nam 15120. 1200-1400 EG Carib 15120. 1400-1530 EG Au 15120. 1500-1600 EG C&SAf 11770. 1530-1700 EG India 15120. 1600-1700 SH C&SAf 11770. 1700-1800 AR Naf/Eu 15120; Hausa Waf 7255. 1700-2100 EG C&SAf 11770 = (including Sun/Mon/Thu 1800 or 1900 "S of the Zambezi" in EG/Afrikaans or Sotho/Xhosa or Tawana[sic--Tswana?]/Zulu). 1800-1900 EG Naf/Eu 15120; FR Waf on 7255. 1900-2000 FR Naf/Eu 15120. 1900-2030 EG Waf 7255. 2000-2100 GM Naf/Eu 15120. 2030-2100 Hausa Waf 7255. 2100-2200 EG Naf/Eu 15120; FR Waf 7255. Note: during period in which this sked surveyed, svcs on 11770 unconfirmed due to adverse reception condx (WBI 12/7)

NORWAY RNI obs 29/6 ancing fq changes due to QRM: 1000 & 1100 SAs/Au 17.83 MHz; 1300 SAs/Au 15.18; 1300 ENAm 15.205. 1400 SAs/Au 15.155; ME/Af 150° fq 15.165 canceled; but at 1500 add ME/Af 25.615. 1800 Eu 9.59. 2000 Medit/Af 21.7. 0100 ENAm 9.61 or 9.58; 0300 California fq 9.61. 1400 testing 950 towards India on 15.35. These subsequently confirmed; (WBI 5/7)

OMAN R Oman still using 4890, 1620-1800+ // 6085 (Rikard Johansson, maritime mobile in Atlantic via Sennitt, RNMN 19/7 who adds) Muscat last listed on 4886 in 1981 WRTH

PAKISTAN Full sked of home svcs from Islamabad, extracted from stn's published listing: 9545 0730-0733 & 0830-1000 & Fri 1010-1013. 4760 1300-1600. 5060 at 1630-1800. 5095 0045-0400 & 1400-1600. 9645 0600-1230. 6130 1230-1345. 5905 0045-0230 & 0250-0325. 9505 0350-0400. 7290 0600-0603, 0700-0703, 0730-0733, 0800-0830, 0900-0903. 7090 1435-1700. 11815 1000-1010 & 1230-1300. Langs mostly Urdu & EG. Balti svc 0300-0400 6065; Sheena 0430-0530 7095, 1000-1200 on 7260 (Craig Seager, R Australia Japanese DX Time 1/7)

14/6, NCNA (Xinhua) reporting from Is'bad, detailed media developments. Mass media working under govt guideline on pgm content calling for providing education & info thru wholesome entertainment. In addn to concern over pgm content, efforts'd recently been made to incr quantity of bcr. Six new radio stns put into opn past six yrs; totaling 16. These using 39 xmtrs, now reached practically every home in the country on SW and 95% of households on MW. PBC bcs more than 270 h of pgms daily, while Pak TV Corp w/nine bc centres, 6 1/2 hpd. TV & R ownership increasing, w/latest edn of Pak Economic Survey quoting figures of 760,000 licensed TV sets and 1,385,000 lic radios in country (WBI 21/6)

PARAGUAY R Nacional 6025 fq again inactive due to valve failure (Tony Jones)

PERÚ R Tarma, 4775, 12/7 w/Andean mx 1025, EG! & SP IDs 1030, more mx. EG ID spoken by US male, included fqs & call signs. R Huanta, 4830, during first week of July (forgot to write down date) ID at 1020; a real surprise, as this was the first time the stn ever hrd. Huanta 2000 on 4755 at same time (Tony Jones, Asunción, Paraguay 13/7) R Ancash, Huarás, hrd on 4990 first time 12/7, booming in from 1000 w/mgs, huaynos, ID to 1050 f/out; one of best sigs on band (Ernie Behr, Kenora Ont) more, IMI

PHILIPPINES R Veritas Asia, Manila, complete ES sked: 0000-0025 JP 15135. 0000-0025 EG SEAs 15280 15195. 0030-0055 IN 15170. 0030-0100 BG 15195 11955. 0100-0130 Sinhalese 15275 15195 11955. 0130-0200 Tamil same. 0200-0230 Burmese to India 15195 11955; Telugu to Burma [sic, sic] 15275. 0230-0300 VT on 15275 15195 11955. 1030-1125 Std CH SEAs/FE 11770 9605. 1130-1155 IN 15105 & 11770. 1130-1200 Thai & 1200-1225 JP 9605. 1200-1225 VT 15105 11770. 1230-

1255 KR 9605. 1230-1300 BM 15105 11955. 1300-1330 Std CH FE 15240 11955; Telugu 9670. 1330-1400 Kachin to Burma 15240. 1330-1400 Sinhalese 11955 9670. 1400-1430 Tamil 15240 11955 9670. 1430-1500 EG India/Sri Lanka 15240 11955; VT 9670. 1500-1530 BG 11955 11770. 2200-2225 KR 11725 9740. 2230-2325 Std CH SEAs 15125 11725. 2330-2355 VT 15280 15135 11725. Note: all xmsns in EG end w/nx summary (WBI 12/7)

POLAND RNMN reported 14/6 that Scouting R Stn (Polish: Rozglosnia Harcerska)'d be ending its own xmsns 30/6; from 1/7, a daily 2-hr pgm on scouting matters'd be bc on Polish R's 4th pgm instead. (Ed Note: a one-hr pgm produced by stn 's been bc on 4th pgm since 5 Sept 83) (WBI 21/6)

PORTUGAL R Portugal 1800-2230 to Eu, incl EG 2030 on 11740 ex-11775; now CCI Saudi in AR; //9605 6025 (Noel Green, RCI 7/7) Radiodifusao Portuguesa, ES from Lisbon; also carries continuous mx irregularly or extended sked pgms on certain ES channels outside normal pgm times. Often ancs in PT as "Seven Continents Service". Otherwise, complete sked: 0030-0100 FR Canada 11925 6060. 0100-0300 PT ENAm 11925 6060. 0100-0130 SP LAm 11840 9600. 0130-0200 SP Venezuela 9525. 0300-0330 EG ENAm 11925 6060. 0400-0530 PT WNA 9575 6075. 0500-0700 M-F PT Eu 9740 6130. 0530-0600 EG WNA 9575 6075. 0800-1100 M-F PT Eu 15125 11800 9740. 0900-1030 PT Timor/Macao/AuAs 21735 21570. 1100-1300 PT Af/Eu 21700 17880 15125 11800 9740. 1300-1400 PT Sat/Sun Eu 15125 11800 9740=to 1300 9605=from 1330. 1400-1600 M-Sa PT India/ME 21490. 1400-1800 PT Sat/Sun Eu/Af/Ams 21700 15285 15125 11800 9605. 1600-1630 EG Mon-Sat I/ME 21490. 1700-1730 EG Sun Af 17880. 1730-1800 FR Sun Af 17880 15250. 1800-1900 PT Eu & Sun to Af on 17880=Sun, 15250=Sun, 11775 9605 6025. 1830-1900 FR Mon-Sat Af 17880 15250. 1900-2000 PT Af/Eu 17880 15250 11775 9605 6025. 2000-2100 PT Af 17880 15250. 2030-2100 EG, 2100-2130 FR, 2130-2200 IT, 2200-2230 SP all to Eu on 11740 9605 6025. 2200-0100 PT Bz1 11840 9600. 2300-0130 PT Venezuela 9525 (WBI 5/7) Stn has propensity for punching up digits in wrong order; if missing, jumble & check

17/6, RDP bc recording of first xmsn made by a stn called "TSF". RDP said TSF xmsn'd lasted 4 hrs. Included well-known voices of radio pros, plus poets, artists, writers. Spoke out in favor of emergence of new radio stns. TSF actually played msg from the Presidency of the Republic "defending the possibility of new sounds issuing from our radio sets". RDP quoted TSF that its bcs weren't a challenge to govt, but an appeal that it should show understanding towards mvmt which'd led to dozens of small xmtrs springing up across country. TSF said it was no longer possible to prevent principles like freedom of expression and freedom to set up journalistic enterprises from being applied to radio bc. RDP reported 15/6 that the Port P&Telecomms Authority--CTT--had set an 8-day deadline for owners of unauth r stns to dismantle. CTT said it'd be prepared to go as far as law allowed if deadline unmet. This warning given, RDP said, at same time as press annts that workers' coop radio stn TSF 'd make a bc 17/6. (WBI 21/6) 22/6, RDP carried report from studios of "the local pirate radio stn" in Albrantes called Radio Antena Livre. Next day, RDP said Secy of State for Comms 'd ancd that "from next week", tough measures'd be taken against all pirate r stns. These steps aimed at paving way for proper establishment of "what've come to be known as free radio stns" (WBI 28/6)

ROMANIA R Bucharest ES in EG: 0200-0300 & 0400-0430 NAm 11940 11830 11810 9570 9510 6155 5990. 0530-0600 Af 17790 15380 15340 11940 11840. 0645-0715 Pac 21665 17790 15335 15250 11940. 1045-1100(not Sun) Eu 17720 15250 11940. 1200-1230 As 17720 15380 11740. 1300-1330 Eu 17720 15250 11940 9690. 1500-1530 As 17850 15335 15250 11940 11775. 1730-1800 Af 15365 11970 11885 9625 9570. 1930-2030 Eu 11940 9750 9690 7135. 2100-2130 Eu 11940 9750 9690 7135. Romanian to NAm 2330-2400 & 0130-0200 on same fqs as EG (WBI 5/7) Glad to have this, as R Bucharest is one of few ISWBCers insisting on printing its skeds in meters, requiring one to convert to kHz; behind the times! (gh)

SINGAPORE R Singapore, 6155, had exc sig 18/6 from 1100 w/mx & chants, 1130 Malay nx, 1155 more mx (Ernie Behr, Ont) a.k.a. Radio 2, //7250

SOMALIA SBS DS, R Mogadishu in SM & AR on 7200, 0300-0502 (Fri 0400-0602) & 0900-2102. R Hargeisa regional centre on 11640/7120 [does that mean either-or?] at 1500-1802 incl R Mog nx relay 1400-1410 at 1530-1545; and another R Mog nx relay at 1700-1710 (WBI 21/6) External svcs from R Mogadishu all on 6095 1230 EG, 1300 Afar, 1330 Amharic, 1430 Oromo, 1530-1630 SH (WBI 28/6)

SURINAM 11/6, R Nacional's pgm "A Voz do Brasil" reported that Bz1's Comms Minister and Surinam's Publ Work/Telecoms/Construxion Minister 'd signed agreement in Brasilia covering tech coop in planning and implementation of Sur's natl & intl radio bcng svc (WBI 5/7) Surinam back on air w/mx pgm, fair 0915 on 4955 [sic] (Lindsay Robinson, Invercargill, NZDXT June) Suspected typo for 4995 where previously reported. Dilemmaed, I see far too many typos in other DX bulletins I scan; if this not typo, should've emphasized as new fq; makes items either hot mx or worthless. While my work is not typo-free, hardly ever do I typo a fq--mainly because I proofread them carefully; and so can and should all other DX editors (gh) However, I see this 4955 item was after a 4946 entry and before a 4970, in fq-order list, so if typo apparently not editor's, but should've been questioned by ed. Unseems computer printout, but if computer involved in sorting, could've been ed's typo--ignorant machines don't know Surinam's 'supposed' to be on 4995 if at all. Same listing also had Austria on 5995 at 0330 which of course should have been 5945.... (gh)

SWAZILAND TWR EG 1800-1845, then Ombundo, 1900 FR, 1945-2015 Lingala not on listed 9635 but OOB 9830, ex-9815 in May (Noel Green, UKOGBANI, RCI 7/7)

SWEDEN RSI made fq changes 16/7: EG 2300 to NAM continues on 15270, but other fq 11710 [was co-channel RCI Carib svc] moved to 15110 and redirected to ANZ. SAs 1400 on 17850 ex-21700 (SCDX bc 17/7) 1400 to NAM 15190 still co-channel France about equal level; wake up! (gh)

SYRIA SBS on 12085 hrd most of day in AR, 1400-0044* 25/6; s/off varies daily, 6/7 until 2329* (Ernie Behr, Ont) On before 0800, incl V of Palestine between 1530-1815 different days, and another V of --7 at 1830 (Noel Green, UKOGBANI, RCI 7/7) AR DS of BCing Svc of Syrian Arab Rep from Damascus obs in progress at 1330 20/6 on 12085; subsequent obs betw 0900 & 2200 apx tho open & close times vary considerably day to day; MW sked is 0230-2330. 24/6 0340 MW svc ancd "we would like to draw attn of our listeners to the fact that a new Damascus r xmtr has become operational on a 25m SW band, corresponding to 12580 kHz (sic)" (WBI 28/6) Believed located 15 km NE of Damascus; possibly the 500 kW facility planned for intro in 1985. Relays DS 0230-2330v; tent sked advised to ITU some time back was: 0300-0700 & 1500-0000 on 9505, 0700-1500 15215 w/500 kW. (TRT DX via Phillip Harrison, ADXN) AR nx 2210-2225* on 12085 30/6; also long path 0730 AR talk 2/7 (Bob Padula, ADXN) Last time I hrd them on SW was May 1977 (Peter Bunn, ADXN ed.) Once noted *0530 myself (gh)

TANZANIA Chinese nx agcy Xinhua reported 29/6 that a SW xmtng stn built w/Ch assistance was officially handed over to Zanzibar, Tanzania on that date. The two-yr project'd been completed 3 months ahead of sked (WBI 5/7) RTZ, Zanzibar hrd at 0600 on new 11735 (Richard Ginbey, RNMN 12/7) Vy surprised to hear R Tanzania 27/6 0215-0400+ on 15165, VG w/many clear IDs as "R Tanzania Dar Es Salaam," presumably Swahili; unable to hear since (Bruce Fisher, Dobbs Ferry NY, July REVIEW OF INTERNATIONAL BROADCASTING) Zanzibar site? Unhrd here too (gh)

TUNISIA RTVT hrd on new 11730 in AR 1830-0050*v, 25/6, w/QRM; //17871 weaker, until 0054* 28/6 (Ernie Behr, Kenora Ont) 9675 is new Tunis fq for morning, ex-7225, //usual 15225 23/6 0517 in AR (Craig Seager, ADXN) Also 0438 Koran 29/6 (Padula, ibid.) 1/7, Tunisian R ancd that from 2/7 summer time'd be introed for 'admn work'. Some nx'd change times, and bcng hrs of natl radio'd become 0400-2330 (WBI 5/7)

URUGUAY, IMI

UGANDA A continuing monitoring survey of R Uganda ES shows these xmsns to E&C Af on 6030: 1400-1500 SH, 1500-1545 EG, 1545-1615 FR; addr ancd for listeners' letters: External Svc of R Uganda, P O Box 2038, Kampala (WBI 21/6)

U S S R R Moscow recently obs on 13790: 1330-1430 Indo, 1430-1500 Telugu, 1500-1530 Indo, 1530-1630 Hindi (WBI 12/7) R Kiev in EG w/Sat Mbg pgm 0215 17/6 on 17860, ex-17870, // 15405 15180 11770 11720 9800 (David R Alpert, NY NY)

U K O G B A N I BBC feeder w/Hungarian on LSB, unID lang on USB 0430 15/6 on 7973, G sig. AFRTS feeder hrd again 27/5 0715 on 9242.5 w/RRO's "Equal Time" pgm on LSB. What is purpose of this feeder? Also 21/5 0715 w/US net nx, etc (David Alpert, NY NY) AFRTS SSB on 9242 & 10538, irregular, UTC daytime arnd 0800, 1900, from US installation in UK (Noel Green, RCI 7/7) Note carefully

a BBC change from 16/6 concerning EG to Af on 21660: Mon-Fri 0900-1030 xmtr location is Cyprus; Sat & Sun Ascension. But daily 1030-1615 via Ascension (Robert Chester, S Australia, RA JP LX Time 8/7) This last xmtr very welcome back as is often best BBC fq here between 1330 & 1600 or more; easy for it to be strongest signal on 13m w/Euros now doing poorly (gh)

U S A (Columbus GA Ledger/Enquirer, July 13, via Ted Powers, ibid who adds: Carft believe 'll happen)

Opelikan Plans 1st Shortwave Stereo Station

By Carmel Thomaston
Correspondent

OPELIKA, Ala. — An Opelika man plans to begin operating the world's first stereo shortwave radio station here in January and he hopes to reach 2 billion people around the globe.

H. Dickson Norman, a former radio disc jockey, has been granted an FCC license for a station which he says will give the world a taste of what it's like "to live in the greatest state and greatest region of America."

The station will have the call letters NDXE (for In Dixie) and is the first of its kind licensed by the federal government. Only one other international shortwave station is in the United States. In New Orleans, La., but it does not broadcast in stereo.

Norman said Thursday the multi-million dollar project is backed by local, state and national investors and will be supported through advertising. Norman refused to give any details of his backers, but said they include New York bankers and national advertisers. The transmitting facilities will be outside of Opelika and the station and offices will be downtown.

The license for the station is currently in Norman's name but will be transferred to World Service Broadcasting, Inc., a corporation founded with Norman as a principal stockholder. Stock will be offered for public sale later, Norman said.

Under the license, the station can transmit up to 100 program-hours grams a day using several transmitters. Although he will broadcast in English only, he said he feels music is an international language. Norman said one transmitter will be used initially but the station will later expand.

Norman said the potential audience is 2 billion people in the U.S., Canada, Soviet Union, Mexico, South America and Japan.

Programs will run 30 minutes to one hour. Norman hopes to schedule everything from country music to food programs from Auburn University. College football games will be broadcast, along with talk shows and "just anything the people want," Norman said.

A high priority will be road races, he said, including Sebring, Daytona and Talladega 500s and the Miami Grand Prix. The station also is negotiating with Ted Turner in Atlanta to rebroadcast news from Cable News Network.

Norman said during construction, about 30 local people will be hired. When in operation, the station will need about 30 people "but there is the potential for several hundred people to be hired," Norman said.

Support for the station has been strong and members of Alabama's congressional delegation worked hard, Norman said, to see the license granted. Tuskegee Mayor Johnny Ford also sought support from President Ronald Reagan, said Norman.

"This thing can yield tremendous fruits for all the people of Alabama and this region," Norman said.

"Imagine people from all over the world tuning in to hear how great Alabama and Opelika is. It's a tremendous boost for tourism and industry in our area."

Norman is a former radio disc jockey for station WJHO in Opelika. He said the late J. Herbert Orr, founder of WJHO, gave him the idea for the new station and worked closely with him on the project until his death a few months ago.

Earlier reports on this station appeared several months ago on WORLD OF RADIO, MEDIA NETWORK, and in RIB. Note especially the call sign wanted: NDXE; N-calls are assigned to USA per ITU, but so far used only for non-bc stns (gh)

Assemblies of Yahweh stn WMLK, Bethel PA [NE of Lebanon] should be bc'ing fairly regularly sometime in July or beginning of Aug, on 15250 at 2200-2400 and 15110 at 1700-1900 (via Floyd Jacobs, Noble OK)

[Cf July IN-24] WRNO is back to full power on 7355 & other fqs thanks to replacement of a couple of tubes in the final which were well past their 10,000 hour rated lifetime. WORLD OF RADIO remains GMT Sat at 0430 on 6185, GMT Sun 0130 on 7355, but final repeat Sun 1300 has moved to 11965 which should carry further but be worse closer to NO; also it's co-channel VOA-Philippines in Chinese. Informal reception reports re whether a return to 9715 would be better are welcomed by gh from everywhere. This change was part of a new WRNO sked effected 15/7: 1500 11965, 1700 15420, 2100 11855, 2300 9705, 0100 7355, 0300 6185. Sun only 0500 on 6185, 0700 9585, 0900 6185, 1100 9715, 1300-1500 11965. However, since VOA Spanish planned to use 6190 an hr later than usual during the Olympics only, until 0400, WRNO stays on 7355 until 0400--i.e. Radio Earth; rather than earlier plan to use 6045. For S84 from 2/9 proposes to move to 11920 at 21-23. At 23-03 9705 off'ly sked but may use alts 9815 or 7355. Alts 03-05 are 7355, 6045; 17-22 15565[actually 15566]. Occasional use for FB games & WF events: 17-19 17775, 17-

18 11965, 21-22 15420, 23-24 11920 [i.e. mostly extensions of existing fqs to avoid fqn change in the middle of a game/event](via George Jacobs)

Call sign of the High Adventure stn at Rancho Simi CA will be KVOH, for V of Hope, their first choice, rather than previously thought KHBN, second choice; tnx to deregulation even tho there may already be a non-SW KVOH somewhere else; not expected on before D84 season (George Jacobs)

WYFR is soliciting contributions of \$10,000 to build antennas for "xmtrs #9 & 10"--also needs \$7,000 for new automation eqp at Okeechobee, and funds for completion of satl uplink at Oakland. Stn now has 8 SW xmtrs on air (David Alpert, NY) Noted around 0100 in EG on new 11775 // 11875 (gh)

It was business-as-usual on VOA pgm in EG during Jesse Jackson's rousing speech at the Democratic Natl Convention, i.e. it was not carried live, tho it could be hrd on AFRTS. We must expect the same lack of coverage of the Republican Natl Convention on VOA (gh) "Voice of America" is the title of the new album by 'Little Steven' Van Zandt (of Bruce Springsteen's E Street Band fame) (David Alpert, NY) Variations on Yankee Doodle? Must rely on Philippine relay 9760 for VOA in EG from 1100, but also can be hrd on Delano SSB feeder 9350 (gh) VOA feeder on 5745 at 0600 in EG on LSB, unID lang on USB, strong 30/5 (Alpert) And 18137.6 at 0220 in EG on LSB 17/6 w/"Sunday Morning" pgm (ibid.) VOA Greenville feeder 18137 USB // 17745 at 0330 9/6. Current sked for "Spl xm-sn" to Af at 0815-0845 Mon-Fri in FE/EG/Hausa on 7175 9575 9750 11710 11915 156-00 17780 21500; 9575 best here (Dale Park, HI) [see also UKOGBANI for feeders]

WIAW, the ARRL bc stn in Newington CT, has ham news daily exc legal holidays at 0130 & 0430 on SSB, fqs vary slightly, 1890, 3990, 7290, 14290, 21390, 28590 but on GMT Fri deals with ham DX nx instead; 7290 usually best here. Full sked appears every few months in QST, incl CW & RTTY on diff times/fqs; this should remain in effect thru the end of DST last Sun of Oct (gh)

VENEZUELA R Tachira, "La Popular", now all-nite and ancing 24h opn--don't be fooled by the NA at 1000 & 2200! on 4830 (Tony Jones, Paraguay, 13/7) Venez NA must go on every 6 hours regardless of s/on/off (gh) Measured on 4828.7 24/6 0908-0930 (Aei, Japan, Radio Nuevo Mundo)

R Juventud, Barquisimeto, reactivated 4900 in July, 2239-0346 (Zella, Caccia matta, Monferini, Mola, et. al., Play-DX, Italy)

VIETNAM VOV on 9840 1103-1128* 17/6, .SIO 252 w/nx, commentary, Viet mx pgm hosted by W, ID as "This is the V of Vietnam" (Richard A D'Angelo, PA) Latest obs of regionals: Nghia Binh on 5088 ex-5080, w/slightly improved signal, *11-45; closedown at 1300 on M/W/F; strangely had no chance to check T/T/Sa, tho checked twice or thrice other days. Seems to be set at 1315* on Sun. Hoang Lien Son on 5603 & 6680. Bac Thai on 6828-6832, sked *1125-1330*. Son La on 4713 & 6323 (ex-6330) [so don't confuse w/Peru if such be possible format- or time-wise]; Binh Tri Thien vy weak on 4670 arnd 1315. Cao Bang on 6524 hrd; Lang Son 6510 unhrd (Isao Ugusa, Japan, DX Front Line 30/6)

YUGOSLAVIA Tanjug reported 18/6 that over 600 letters'd been written to RY ES in first few months of year: 545 from Eu, 48 NAM, 33 As, 22 Af, 16 SAM, 7 ANZ. Many listeners asked for pgms to be extended from 30 to 60 mins, and some said too little mx, too much info. ES in EG sked: 1430-1500 Eu/ME/FE/S&SEAs 15240 9620. 1730-1800 Eu/ME/Af 9620 6100. 1900-1930 Eu/ME/Af 9620 7240 6100. 2115-2130 Eu/NAM 9620 7240 6100 1269. Other xmns to Ams: 0000-0030 SP Eu/Af/LAM 11735 9620 7240; 2130-2145 FR Eu/NAM/Af 9620 7240 6100 1269. Thu 2200-2230 SC Eu/NAM--pgm for seamen prepared by various Croatian stns (edited version of a R Zagreb pgm). Other relays of domestic stns: 0600-1000 for Yugoslavs abroad on 11735 9620 7240 Sat & Sun, sequence liable to change: 06-07 Sat R Novi Sad in HG, Sun R Sarajevo in SC. 07-08 Sat R Titograd in SC, Sun R Pristina in AB. 08-09 Sat R Ljubljana in SV, Sun R Skopje in MD. 09-10 Sat R Beograd & Novi Sad in SC, Sun R Zagreb in SC. At 2000-2025 changeable relays/rebcs of DS nx on 9620 7240 6100: Sat R Skopje in MD, Sun R Beograd in SC, Fri [probably misprint for Mon] R Titograd in SC, Tue R Zagreb in SC, Wed R Sarajevo in SC, Thu R Pristina in AB & R Novi Sad in HG, Fri R Ljubljana in SV. [daily] 2145-2200 rebc of DS nx from R Koper in Italian on 9620 7240 6100. SW relay of R Beograd DS 1245-2205 on 9505 7200. (WBI 21/6)

28/6, Tanjug reported Committee for Press, R & TV of Fedl Conf of Socialist Alliance--SAWPY--'d adopted construxion of new bc centre as priority task in

overall pgm for development of R Yugoslavia from 1981 to 1990. Construxion of RY bcng centre was a priority task on which Yugo system of info for abroad depended. Intl conf on SW planning'd take place in Geneva in 1986, which'd allocate r fqs according to facilities already installed for bcng pgms. BCNG centre of RY was being built in Bijeljina, but because of lack of funds work'd come to halt. Meanwhile, RY'd imported eqp worth 12 megadollars, which was lying in unsuitable warehouses awaiting completion of construxion work (WBI 5/7)

ZAMBIA Often hrd on 11850 instead of 11880, Suns 0500-0730 (Ginbey, RNMN 12/7)

CLANDESTINE CRANNY

V of the Western Somali & Somali Abo Liberation Fronts (Somali: Halkani wa Cod-

ki: Jabhadaha Soomalida Galbeed iyo Soomali Abo), via R Mogadishu xmtr on 6095 in SM 1030-1100, Amharic 1730-1800; first obs in Dec 78 (WBI 28/6)

V of the Eritrean Popular Liberation Front, via R Mogadishu xmtr on 6095, 1630-1700 AR, 1730-1800 Amharic (WBI 28/6)

V of the Broad Masses of Eritrea (AR: Huna sawt al-Jamahir al-Iritriyah, literally V of the Eritrean Masses) supports Popular Front for Libn of Eritrea; hostile to govt of Ethiopia; claims to bc from liberated territory. First obs'd 11 Aug 1980. All fqs vary considerably \pm 30 kHz from: (ancd in MHz, observed in kHz): 14.34 14328, 9.95 9955, 7.45 7453, 6.25 6241, 4.41 ----, 3.76 3725. Sked 0400-0430 Tigrigna, 0430-0500 Tigre. 0500-0530 M/W/F/Sa Afar, other days Amharic. 0530-0600 AR (ancd as 0600-0630). 1430-1500 AR, 1500-1530 Tigrigna, 1530-1600 Tigre, 1600-1630 Afar & Amharic as above. 1800-1830 Tigrigna, 1830-1900 Tigre, 1900-1930 Afar & Amharic as above, 1930-2000 AR. (WBI 5/7)

V of the Tigre Revolution, supports the Tigray PLF and the Popular Front for Libn of Eritrea, hostile to govt of Ethiopia, claims to bc from liberated terr. First obs Jan 1981 via VOEME facilities--exactly same fq info as above, but sked: 1345-1415 & 1700-1730 both in Tigrigna & Amharic Tue/Thu/Sun (WBI 5/7)

V of Libyan People hrd on new 11695 in AR 2300-0105*, QRM de RFI to 0029; also on stronger // 11979 25/6; on 1979 only 26/6 at 1800-1905*, 1930-2134*, 2315-0122*; on 11695 only, 10/7 at 2320-0329*, night of Libyan embassy bombing in Beirut, as if expecting this event; no further late-nite bcs, but 11/7 hrd on 13685 at 2100-2215a. More likely from Egypt, not Sudan. 11695 & 11688 were jammed at all times by atleast 3 jammers: 2 howl-type w/3 & 4 howls per sec, and one fast-flutter jmr w/7 howls per sec, same as used against BBC AR svc, which suggests that some of these jammers are in Libya, not Iraq (Cf July IN-19 & 28) (Ernie Behr, Ont) This stn, hostile to current Libyan reglme, recent-ly obs 1755-2200 on 15040; also ancs xmsn starting at 0330 and says "we xmit between 11000 and 12000 kHz and between 15000 and 15040 kHz" (WBI 12/7) unID Arab on 15040, 0105 9/7, M talk til 0117, then Arab mx. More talk at 0120 and s/off 0128, good sig. 12/7 on 15040 loud jamming stn at 0100; don't understand because the Arab signs off each day at 0025-0030. Loud who-o-o, who-o-o, just like emergency vehicle. At 0110 sig is on and off intermittently. A few words hrd in AR, then jamming starts again. Guess he's on longer than usual tonight. 0400, Arab is loud but jammer is barely audible (Chuck Oliver, Spring TX) Other reporters believe 15040 is R Jamahiriyyah, or Tehran...Note under CHINA that Beijing in Russian uses 15040 1600-1755, doubtless jammed(gh)

R Iranian Toilers (Persian: Radio-ye Zahmatkeshan-e Iran) intercepted 7/7 in progress at 1630 on 6230. Ended xmsn at 1700. As well as carrying statement on behalf of the Tudeh Party of Iran (the Iranian Communist Party), stn ancd postal addr of P O Box 49034, 10028 Stockholm 49, Sweden. Ed note: This addr is same as used to be given for R Iran Courier (Persian: Radio-ye Peyk-e Iran) which ceased opns in 1976 and which also bc Tudeh statements. The pro-Soviet Iran Courier was first hrd in Dec 1957 attacking Shah, Iran govt and western interests in Iran. Pgms in Persian (later adding Azeri & Kurdish) entitled "Iran Courier" were xmt'd from 1957 as part of the ES of the GDR; gave mailing addr in E Germany but towards end of 1962, EG addr dropped from stn name and anmt "Radio Iran Courier" adopted. Stn then believed operating from Bulgaria was last hrd 30/11/76 and it was reported that stn's staff'd moved to Libya. As well as the Stockholm addr ancd latterly for correspondence, RIC gave two Paris phone numbers for contacting the Tudeh party's HQ (WBI 12/7) Recall used to be around 11.4-11.5 MHz; hope they resume that too (gh)

R Iran, hostile to present Iran govt, in a 4/7 bc said: "After the Islamic Rep regime instructed the r & tv dept to bc parasitic waves against radio stns like the BBC, it also created a spl unit for bcng parasitic waves and disrupting R Iran. This unit, manned by a group of experts in the regime, with an ample budget derived from govt secret funds, is charged w/duty [of] preventing the voice of R Iran, which is the voice that demands the rights of our people, from reaching the people. Reports rxd said at a spl committee . . . formed at the congress of Friday Imams held for this very purpose in Tehran, the reactionary clerix asked regime to take steps ASAP to silence this particular radio xmtr. The Friday Imam of ('Araj), during Friday prayers, in which he addressed Hezbollahis, said that whoever listens to R Iran and other nationalist radios is an apostate and should be treated as an infidel, under the Shari'a law. R Iran requests all natlist workers at the r & tv dept of the Is Rep of Iran to write to us at one of the addrs for R Iran in Eu about any info on this spl unit and its operators. We also advise our listeners that if they should encounter these parasitic xmsns, to tune a little this way or that, because the xmtrs of R Iran always change fqs when there are parasitic waves"(WBI 12/7)

R Salvation of Iran (Persian: Radyo Nejat-e Iran), pro-monarchist and hostile to Khomeyni and the Iranian govt, first monitored 23/6/83, but may have been on air since at least 21/3/83, now sked in Persian 1630-1830, repeated at 0330-0530 both on 15555 & 9027 (WBI 12/7)

R Venceremos vy strong on 6556.4 at 0230-0330* 7/7, w/usual propaganda; also 8/7 at 0231-0431*; sounds like new hi-power xmtr, most likely in Managua, perhaps the one used mornings by LV de Nicaragua on 6098.6 (Ernie Behr, Kenora Ont, 13/7) RV, hostile to El Salv govt, ancd 1/7: at 0010, "During this bc, RV'll come into contact w/our sister stn R Farabundo Martí, to report first overall figures on the number of weapons, casualties, prisoners of war and other details of the victory of Cerrón Grande and other clashes taking place in the zone." At 0025: "Attn: we're now going to switch to Chalatenango. We're going to contact our sister stn RFM to bring you the first overall reports on number of weapons recovered, POWs taken, casualties caused in mily opn at Cerrón Grande, where we annihilated an entire hunters battalion and dealt a devastating political-military blow on Duarte's puppet dictatorship. Attn, RFM: We are ready to hear the report. Go ahead, Chalatenango". A relay then began w/anmt: "Salvadoran people, here is a report from RFM for our sister stn RV". Relay ended w/anmt: "Salv people, this has been a spl report from RFM for our sister stn RV"(WBI 12/7)

R Farabundo Martí, hostile to El Salv govt, obs 15/6 on 7000 in SP at 1230-1300, 1830-1900; 16/6 0100-0145; again noted same times and fq 19-20/6 (WBI 28/6)

R Miskut, hostile to Nic govt, obs on 26/6 & 27/6 on 6965 at 2100-2215; opens & closes w/Nic NA (WBI 5/7)

Spy Numbers Is nothing sacred? KGEI QRMd 18/7 0807 by 5-digit Spanish numbers woman on 9616 (gh)

NORTH AMERICAN PIRATES Radio Sinewave Pirate stns are always interesting. My 10/6 reception of R Sinewave, 7430 at 0331-0337* and subsequent reception report to Box 192, Joliette [sic, should be Joliet] IL 60434 has resulted in a returned report stamped by PO "Not deliverable as addressed--unable to forward" and hand written "not box 192". Either this DX reporter copied/hrd wrong POB/zip or stn gave phoney box number. Remember R Clandestine's Box 100 NYC addr a few yrs back? Anyone else hear the Premier bc and can confirm or correct addr? (Richard A D'Angelo, Wyoming PA)

KIWI Radio Rec'd a reply to my reception report in just 17 days from Hastings NZ. See encl copy of QSL & Letter from Graham J Barclay of stn. Perhaps we'll be hearing more of this NZ pirate w/two stns relaying in USA (D'Angelo, PA) Tnx for your letter & report for the 10/6 bc via the V of Laryingitas [sic] located in the state of Oklaholma[sic]; QSL enclosed. Our current opns? Not much, but we've been on 5825 & 5875 until 2/6 when we closed down until we get a couple of xtals for 4lmb, when we'll resume pgming. Power output ranges from 30 watts to 1700 AM; also been trying SW stereo w/some success. Currently relayed by two NAm stns, The V of Laryingitas and R Paradise Intl, along w/stns

in Eu (Graham J Barclay, KIWI Radio, P O Box 1437, Hastings NZ, 19/6 via RDA)
WBST, 14/7 first hrd at 0346 on 7422, drifted to 7426 by 0425 tuneout (pirate or no pirate, WORLD OF RADIO always comes first!), ID "Hey, you guessed it, it's that time again when the beast rears its ugly head. That's right, this is it: WBST, Salem, Mass., and remember the phrase that pays: WBST brings out the beast in me!" Gone at 0500 recheck (John Norfolk, Oklahoma City OK)

KQRP: hrd 23/6 at 0213* on 7413, very poor w/lots of static. This is getting monotonous! KQRP has been the only pirate I've hrd in the past otcweek: 7 times since 30/4, 9 times since 31/3. The times they ancd their power output, 50 watts or less, reception here was very poor, whereas other xmns, with no power anmts, were very good to excellent, almost like a local. This seems to indicate they are using high power at times, thus negating their "QRP" status, Oh no, not again! 5/7 0214-0249* on 7415, "The Shadow" pgm, Reagan spoof. F-G but distorted audio, lots of static, some ute QRM (John Norfolk, Oklahoma City OK) First hrd 25/6 0343 to s/off time I forgot to write down, on ancd 6242; pgm this time mainly pop mx, w/few asides on free radio by Dr X; SIO 343/444. Next hrd 30/6, 0056-0146* on 7415a, mainly 50s pop mx this time; also a WC Fields radio pgm (hard to hear in static) and Dr X's customary jabs at FCC; SIO 433. Last hrd 1/7, 0535-0604* on 7440a; pgm was a radio version of 1984: I came in a few mins after it started, and it went to 0604, when there was an anmt, ID, then off; SIO 444/433 (Mike MacCollum, Indianapolis IN)

KLS--at last, a pirate that isn't KQRP, hrd 1/7 0405-apx0420 on 7441, vy strong het w/a second one popping up at 0416, variable in fq, made off-air copy impossible; listening to a recording afterwards I could just make out phrases like "KLS radio", "we will verify" and "three 20c stamps", with some weird noises & music. Thank goodness for tape recorders! (John Norfolk, OKC) Hrd on 7450, 24/6 0323-0329*, pirate stn w/acceptable sig strength but bothersome QRM & modulation. They played a few rock songs, gave the Battle Creek addr, gave an ID hard to hear in static, then went into "Every Which Way But Loose," as ancd; then off the air; SIO 333/323 (Mike MacCollum, Indianapolis)

"Jupiter" stn, hrd on 6275a, 30/6 0418-0422*. A few months ago, I read about a stn allegedly bcing from Philadelphia area on 6250 w/some rather odd ideas about bringing dead people back to life on the planet Jupiter. I don't recall whether the stn itself had a name or ID it went by, and I didn't really hear anything that sounded like an ID here, but I'm pretty sure this was the stn, as they talked about "bringing people back to life on the planet Jupiter" as they said they were inspired in part by Arnold Toynbee (another similarity to so-called Jupiter stn), and as they ancd an addr (Box 42678, Philadelphia) vy similar to the one which I found given for the so-called "Jupiter" stn (Box 42672, Philadelphia). As I recall, nobody had axually hrd this stn several months ago, but had just hrd about it tnz to publicity about the stn in the Philadelphia area. I've not been paying too much attn to many DX shows lately so don't know if anyone else has been hearing this recently, but I know I barely hrd it myself: sig was weak, lot of CW QRM, static, and a period or two of silence or deep fades (I couldn't tell which) during which it seemd like the stn was off the air entirely. I assume it went off at 0422, but was hard to tell; I didn't hear anything when I made a re-check of fq quite a while later. Anyway, audio also pretty poor, odd kind of echo effect like they were bcing out of a hole. SIO 222 at best (Mike MacCollum, Indianapolis IN)

WNTV, 7450, at 0230 22/7, very strong here in the East w/continuous rock mx, ID at 0242 by M ancr "You are listening to WNTV, that's rock." Still going strong; at 0245 when I had to tune out (Bob Woods, Front Royal VA)

LAST-MINUTE INFO

ALASKA KNLS Anchor Point on new 11945, strong 1300-1459* in CH & mx, since 12/7; from 1500 on 11790, weak w/QRM (Ernie Behr, Kenora Ont)

ALGERIA RTVA hrd on 11695v in AR & mx 1900-2200*v, 12/7, jammed by 2 Libyan flutter-jmrs, intended for cland VoLP [qv], also on this fq some days; 29/6 RTVA was on 11694 to 2212* (Ernie Behr, Ont)

ANGOLA R Nacional 13/6 2118 on 3344.8 ex-3370. P-F (H Gustavsson & D Monferini, Sweden, Play-DX, Italy)

AUSTRALIA RA tested Darwin xmtrs on certain Mon & Tues in July on fqs normally used by Shepparton; expect this to continue in Aug (SPEEDXGRAM) For details best source should be RA DX pgm "Talkback", GMT Sun 0210 & 0535v (gh)

BOLIVIA R Eides, 4845, sent personal letter after one follow-up five years after original report! Had sent C60 and 1 IRC, reply in one month, v/s José María Lop, técnico; addr Casilla 5782, La Paz (H Gustavsson, V8xj8, Play-DX 18/6)

BRAZIL R Betel is a 100% evangelical stn [or pgm] on 11735 from Goiânia, Goiás via R Universal 10 kW xmtr. Individual contributions amounting to 10 kilocruzeiros per month for a year are solicited (Pastor Elpidio Ferreira dos Santos, of the stn, in a letter to Nobuyoshi Aoi, Japan, 9/7) Nothing about sked, lots?

COLOMBIA LV del Guaviare, 6035.3, vy strong since 9/7 from 1000 w/Col mx & ads to 1100 f/out; pwr increase? (Ernie Behr, Ont, 13/7) Check 2nd harm (Codina RIB)

COSTA RICA R Columbia hrd on new 4839.8 since 7/7, from 1015 w/Mex ranchera mx strongest sig on band; also at 0100-0600*v (Behr, Ont) Moved again, to 5010, since 17/7 to 0518*, abruptly off in mid-song (Bruce MacGibbon, OR, SPEEDXGRAM)

ECUADOR ? Timesig stn on 5010 since 12/7, from 1015 w/pips & SP TC every min to 1051 f/out; hrd no ID, but perhaps Ec Navy stn listed on 5000 (Ernie Behr, Ont)

INDONESIA Pgms featuring IN Nx audible from R Khusus Pemerintah Daerah Tingkat Dua, a provincial stn at Jember, E tip of Java, 500 W on 3171, rather noisy & ute QRM at 1500 (Philip Harrison, Perth WA, RA JP DX Time 15/7)

MALI R Mali reactivated 5599, hrd 7/7 & 8/7 2330-2400* w/NA, G-E (Rolf Lovstrøm, Norway, Play-DX, Italy)

NICARAGUA After a long time rather stable on 6017.5, always ancd as 6015, LV de Nic noted much closer to 6015 25/7 0110, terrible het to Vatican. Maybe PJP2'11 think twice before shunning Nic priests.... (gh)

PERÚ Some stn slogans: R La Crónica 9525, run by R-TV Peruana. RTP, the only stn being exclusively radionovelas: "La cumbre de la sintonía". R Unión, 6115, "la más potente del país". R Tacna, 9505, "una emisora al alcance popular en todo el Perú". R Nuevo Mundo, 1300, "LV de la alegría" (SW Radio, Lima via RNM)

URUGUAY Current SW skeds obtained by Montevideo DXer Gustavo Santos thru phone calls to stns: CXA6, SODRE, 9620, 0900-0300, Verifies by QSL. CXA30, La Radio, 6034, 1300-0500, V by QSL-letter. CXA61, R Sport, 6045, 0930-0300, V by QSL or-QSL letter. CXA19, El Espectador, 11835, 0900-0400, V by QSL[card]. All pgm in SP //MW fqs. My monitoring shows following stns inactive on SW, hrd only on MW: CXA2, Radio mundo on 6000; CXA3, R Continente 6075; CXA13, R Carve 6155; CXA21 R Fénix 6170; CXA6 SODRE 9515; CXA10 SODRE 11885; CXA14 SODRE 15275 (Gabriel Iván Barrera, RAE, Buenos Aires, Argentina, 2/7)

UNIDENTIFIED 17754 hrd 26/6 only at 2000-2025* w/lt instr mx & waltzes, some long pauses, but no anmts, gd sig; Brasil is on 17755 in GM 1900-1950*v (Ernie Behr, Kenora Ont, 13/7)

PUBLICATIONS Review of International Broadcasting, July issue has several articles on VOA politics and plans, articles on Singapore, Italy, DX Censorship in Benelux, 4-page Report from Perú in fq order by Juan Carlos Codina, pgm skeds from many countries, incl advance BBC & Beijing, via FBIS and "Newkirk on Truth" w/him on cover. New subs can start w/this issue, or equally interesting May & June issues, a few copies of which may still remain. \$18 in US, US\$21 in Canada for 12-issue sub; \$1.50 or in Canada US\$1.75 for sample; remittances in US funds on US bank or by money order from R I B, Box 6287, Knoxville TN 37914 (gh)

FM Atlas & Station Directory, new 9th ed. just published, a goldmine of info about NAM FM; only wish something as thorough were available for AM, SW. 65 pages of maps; stn directories total 65 pages, by geography & fq, w/calls, formats, nets, stereo, tech parameters, coverage radii, pwr, ant hts, slogans; articles, 144p total. \$7.50 ea or two or more copies @ \$6 each, plus 75¢ per order for postage from FM Atlas, Adolph MN 55701-0024 (gh)

Universal Shortwave has a new (8407) Catalog, 72 pp of equipment & publications, costing \$1, fully refundable w/any purchase; or 3 IRCs; from Universal SW Radio 1280 Afdr Dr, Reynoldsburg OH 43068 (gh)

QSL REPORTS

Sam Barto
47 Prospect Place
Bristol, CT. 06010 USA



ADMIRALTY ISLANDS: Radio Manus 3905 f/d NBC "Map" cd. w/ ltr. in 100 ds. for ms. v/s Luke B. Umbo, Station Manager. This was for a 1981 reception. (Gavaras-MN).

AFGHANISTAN: Radio Afghanistan 4450 f/d cd. in 101 ds. for an EG rpt. (Bryant-OK).

ALBANIA: Radio Tirana 7300 f/d "Revolutionary Esprit" cd. in 70 ds. (Levison-PA). Radio Gjirokaster 5020 and 5057 p/d cd. in 73 ds. via registered mail. (Barto-CT).

ALGERIA: Radio TV Algeria 17745 f/d cd. w/ sked in 37 ds. for 2 IRCs. (Muzyka-NY). same in 94 ds. (Levison-PA). f/d "Rug" cd. in 1 yr. for 2 IRCs. (Cones-VA). same in 142 ds. after several tries. (Swaringen-NC). 9685 f/d cd. in 61 ds. for a FR rpt. (Barto-CT). same in 14 mo. for 2 IRCs. (Kapinos).

ANTIGUA: Deutsche Welle 9650 n/d cd. w/ schedule in 22 ds. (Barto-CT).

ARGENTINA: RAE 11710 p/d cd. in 3 mo. (Barto-CT).

ASIATIC RUSSIA: Radio Moscow 9660 via Blagoveschensk f/d "Lenin Library" cd. in 44 ds. (Niekamp-MN). 9790 via Komsomolsk-on-Amur w/ cd. in 44 ds. (Niekamp-MN) 15470 via Komsomolsk w/ f/d cd. in 44 ds. (Niekamp). 12010 via Petropavlovsk-Kamchatsky f/d "Razin Street Scene" cd. in 44 ds. (Niekamp). same in 50 ds. w/ note stating that the Soviet Union has nothing to do w/ jamming: (Warner-AUST).

AUSTRALIA: YLM15 15230 f/d "Map" cd. in 8 mo. for 2 IRCs. (Lare-MI). YLH9 9680 f/d "Map" cd. in 9 mo. for 2 IRCs. (Lare-MI). YLV9 9610 f/d "Logo" cd. in 28 ds. for 2 IRCs. (Dillon-DC). YLM4 4920 via Bald Hills f/d "ABC Map" cd. in 22 ds. for 2 IRCs. (Dillon-DC). same in 55 ds. for 1 IRC. (Schmitz-FRG).

BELGIUM: BRT 9925 f/d ltr. in 44 ds. (Muzyka-NY). f/d "Palais du Centenaire" cd. in 53 ds. (Dillon-DC). f/d "Place du Sablon" cd. in 40 ds. (Dillon-DC). p/d cd. in 37 ds. for 1 IRC. (Mayer-PA). 11620 form ltr. in 13 ds. (Levison-PA). 5910 f/d "Dendermonde" cd. in 28 ds. w/ sticker and plastic paperclip. (Tal-Heralding Christ Jesus' Blessings bot-ALB). f/d ltr. in 36 ds. (Barto-CT). same in 21 ds. (Levison).

BENIN: ORBT 4870 f/d "Logo" cd. in 208 ds. for a FR rpt. and 2 IRCs. (Cones-VA).

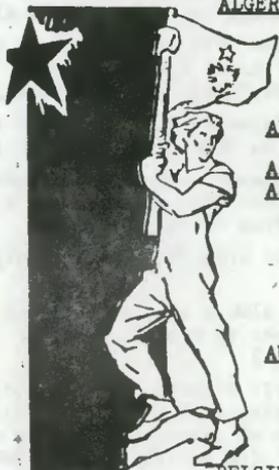
BIAFRA: FRCN 6025 via Enugu p/d cd. w/ f/d ltr. in 245 ds. for ms. v/s P.A.O. Orogbu, Assistant to the Chief Engineer. (Bryant-OK).

BONAIRE: Radio Nederland 9590 f/d cd. in 19 ds. for 1 IRC. (Green-TN). 15560 f/d "Drawbridge" cd. in 37 ds. (Levison-PA). TWR 11815 f/d "20th Year" cd. in 16 ds. w/ stickers for 2 IRCs. (Dillon-DC). 11875 f/d "Harbor Kralendijk" cd. in 35 ds. w/ sticker. (Levison).

BORNEO: RPDT2 Bulungan 2978 p/d ltr. in 53 ds. for an IN rpt. (Barto-CT).

BRAZIL: Radio Nacional do Brasil 15290 f/d "Rio de Janeiro" cd. in 20 ds. for 1 IRC. v/s Denise Uchoa. (Dillon-DC). 17755 f/d cd. in 25 ds. w/ schedule. (Levison-PA)

QSL COLUMN REPORT FORMS ARE AVAILABLE FROM YOUR EDITOR FOR AN SASE...Sam



HCBJ



THE WORLD RADIO MISSIONARY FELLOWSHIP, INC.
Casilla 691 • Quito, Ecuador • South America



BRASIL: Radio Clube Paranaense

11935 and 6045 f/d cds. in 45 ds. for a PT rpt. (Barto)

* **Radio Iguatemi** 3295 f/d personal ltr. w/ prepared cd. in 2 yrs. for a PT rpt. and ms. v/s Joaquim Gutier Navarro Filho, Director. Addr: Avenida Dom Pedro I no. 309, 3 Andar, Bela Vista, Osasco, SP 06000. (Lazarus-LA).

CAMEROON: Radio Buea 3970 f/d large white "Map" cd. in 6 wks. v/s Bsonglefac B. Nkemleke, Chief of Station. (Valko-PA). **Radio Douala** 4795 f/d "Logo" cd. in 155 ds. for a FR rpt. and 2 IRC (Cones-VA).

CANADA: RCI 15325 f/d "Cartier" cd. in 11 ds. (Lare-MI). f/d "ANARC 20th Anniversary" cd. in 2 mo. (Lare-MI). 21695 same cd. in 68 ds. v/s Richard Colgan. (Wilkins-CO). **CKZU** 6160 p/d cd. in 21 ds. (Hastie-TX).

CHAD: Radiodiffusion Nationale Tchadienne 4904 f/d ltr. in 75 ds. for a FR rpt. and 3 IRCs. (VanHorn-TX). same in 43 ds. for a FR rpt. and 2 IRCs. v/s Danrhet Qualbadet, Technical Services Director. (Dillon-DC). p/d form ltr. in 57 ds. for a FR rpt. and 2 IRCs. (Wilkins-CO). same in 42 ds. for a FR rpt. and 3 IRCs. (Lare-MI).

CHINA: Hubei PBS 4980 f/d cd. via Beijing in 24 ds.

CLANDESTINE: Radio Ignacio Agramonte (Bryant-OK).

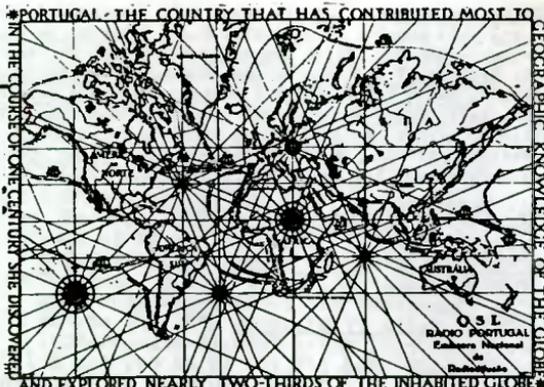
* **La Voz del CID** 5106 "Cuban Flag" cd. in 29 ds. for a SP rpt. and ms. Addr: Appto. 5557, San Jose, Costa Rica.

* (Niekamp-MN). 10040 **Radio Camilo Cienfuegos** f/d cd. in 20 ds. for a SP rpt. and ms. Addr: Apartado 8130, San Jose 1000, C.R. (Gavaras-MN). **La Voz del CID** 11101 f/d cd. in 14 ds. for a SP rpt. and 2 IRCs. (VanHorn-TX).

COLOMBIA: Radio Super de Bogota 6065 f/d prepared cd. w/ sticker in 3 wks. for a SP rpt. and ms. (Lobdell-MA). **La Voz del Llano** 6115 prepared cd. in 3 wks. for a SP rpt. tape and ms. Only took 15 years of reports to nab this one! v/s Gloria Rodriguez R., Administracion. (Lobdell-MA). **Radio Macarena** 5975 f/d "Logo/Map" cd. in 19 ds. w/ sticker and pennant for a SP rpt. and ms. v/s Enrique Zambrano Nieto, Gerente. (Reinstein-FL). **Emisora Armonias del Caqueta** 4915 p/d ltr. in 78 ds. for a SP rpt. and 1 IRC. (Cones-VA). same in 39 ds. for a SP rpt. (Barto-CT).

COOK ISLANDS: Radio Cook Islands 11760 f/d cd. in 19 ds. for ms. v/s Nooroa E. Tangaroa, Director. (Reinstein-FL).

COSTA RICA: Radio Columbia 4825 f/d cd. in 22 ds. for a SP rpt. and ms. (Foxy-VA). **TIFC** 5055 f/d cd. in 35 ds. for 3 IRCs. (Hastie-TX). **Radio Relo** 4832 "Globe" cd. in 26 ds. for a SP rpt. (Levison-PA).



VERIFICATION OF RECEPTION QSL

TO: **ANDREW WERTHEIMER**

DATE: **MAY 28 1984**

TIME: **0210 - 0303 GMT**

FREQ: **7413 KHZ.**

POWER: **20 WATTS. AM**

AHOY MATES!

THANKS FOR YOUR RECEPTION REPORT.

73 AND FIGHT FOR FREE RADIO!

FROM: **KQRP THE LONELY MOUNTAIN TOP PIRATE.**

SIGNED DR. X *Doctor X*



VERIFICATION SIGNERS: Emisora Reyes 4420 Jose Antonio Gomes Guzman, Director. Radio Nor Peruana 9655 Augusto Roca Garcia. Radio Libertad de Trujillo 4910 Carlos Burmeister B., Director - General. Radio Los Andes 5030 Pablo Cardenas Valverde, Director - General. Radio National Tchad 4904 Damrhet Oualbadet. Radio Moundou 5289 Dorong Guela Ketchoua, Director. Radio Nepal 5005 K.B. Khatry. Emisoras Paraguay 6015 Carlos M. Sanchez, Director. Radio Madre de Dios 4951 Francesco Javier Aniz D.P. Radio Nacional de Peru 6095 Guillermo Garcia. Radio Man 4825 Herminio Perez Lopez, Director. Radio del Pacifico 4975 J. Petronio Allianca, Public Relations Dept. Radio Jornal da Transamazonica 5027 Jose Flavio Carneiro. RRI Jambi 4927 Syair Siak, Kepala Stasiun.

CUBA: Radio Moscow 9600 via Habana f/d "Red Square" cd. in 33 ds. (Dillon-DC). 6110 same cd. in 49 ds. (Talbot-ALB). 11840 cd. in 52 ds. (Talbot).

CZECHOSLOVAKIA: Radio Prague 5930 and 11900 f/d "Costume" cd. in 19 ds. (Dillon-PA). 7345 f/d "Ramparts" cd. in 19 ds. (Dillon-DC).

DJIBOUTI: Radio TV Djibouti 4780 n/d cd. in 16 ds. for a FR rpt. and 2 IRCs. (Swaringen-NC).

ECUADOR: HGJB 9745 f/d cd. in 28 ds. for 2 IRCs. (Green-TN). f/d "Roger Stubbe-HC1RT" cd. in 32 ds. (Talbot-ALB). 6095 f/d "Pifo" cd. in 36 ds. (Talbot-ALB). La Voz de Saquisilil 4900 f/d personal ltr. w/ prepared cd. in 3 1/2 yrs. for a SP rpt and ms. Pennant rcvd. v/s Vicky Mena C., Carmen Mena Corrales and Arturo Mena, Gerente. (Lazarus-LA). La Voz del Rio Carrizal 3260 f/d personal ltr. w/ prepared cd. in 5 yrs. for a SP rpt. and ms. v/s Roque Navarrete V., Gerente. (Lazarus-LA). Radio CRE 4656 n/d ltr. in 5 mo. for a SP rpt. Large pennant rcvd. (Huniwell-NJ).

EUROPEAN RUSSIA: Radio Moscow 15200 via Kalatch-on-Don f/d cd. in 50 ds. (Warner-AUST). 9530 via Moscow f/d cd. in 33 ds.

FRANCE: Radio France International 25900, 15315, (Dillon-PA). 21685 and 17620 f/d "Issoudun" cd. in 51 ds. (Barto-CT).

FRENCH GUIANA: RFI 15180 via Montsinery cd. in 40 ds. (Cones-VA). RFO 5055 p/d cd. in 46 ds. for a FR rpt. and 1 IRC. (Niekamp-MN).

GABON: RTVG 4777 f/d "Map" cd. in 54 ds. for a FR rpt. (Cones-VA).

GERMAN DEMOCRATIC REPUBLIC: RBI 6040 f/d "Potsdam" cd. in 22 ds. (Barto-CT). RBI 7185 f/d "Wernigerode" cd. in 17 ds. (Barto).

GERMANY, FEDERAL REPUBLIC OF: Deutsche Welle 9770, 21540, 15275 and 21680 n/d cds. in 22 ds. (Barto-CT). 17780, 21600 and 15135 n/d cds. in 25 ds. (Barto-CT).

GREECE: VOA Kayala 15205 f/d cd. in 27 ds. (Lare-MI). Voice of Greece 9865 f/d "Aghios Nicolaos" cd. in 1 mo. for 3 IRCs. (Mosman-IL). same in 77 ds. (Levison-PA). 9860 ltr. in Greek in 58 ds. (Phipps-MO).

GUAM: KTWR 9510 f/d "Hong Kong" cd. in 26 ds. w/ pennant. (Talbot). 11840 f/d "5th Anniversary" cd. in 16 ds. for ms. v/s Cathy Vaught. (Reinstein-FL). f/d "Plumeria" cd. in 22 ds. for ms. (Dillon-DC).

GUATEMALA: Radio Cultural 3300 p/d "Quetzal Bird" cd. in 25 mo. for ms. v/s Wayne Berger, Chief Engineer. (Lare-MI). AWR TGMUB 6090 f/d "Logo" cd. in 35 ds. for ms. (Lare-MI). Radio Maya de Barillas 3325 f/d prepared cd. w/ personal ltr. in 36 ds. for a SP rpt. and ms. v/s Francisco Juan Pedro, Gerente. (Reinstein-FL).

HONDURAS: Radio Landia de Comayagua 4965 f/d "Iglesia Catedral Comayagua" cd. in 60 ds. for a SP rpt. and ms. v/s Leonell Andino V. (Reinstein-FL)... Thanks to Don Moore: f/d ltr. in 195 ds. for a SP rpt. and 3 IRCs via US Army officer: (Mosman-IL). same cd. as above via Don Moore. (Valko-PA). f/d cd. in 82 ds. for a SP rpt. and ms. (Wilkins-CO). La Voz del

Jungo 6675 f/d "Palacio Municipal" cd. in 82 ds. for a SP rpt. and ms. v/s Don Moore, QSL Secretary. (Wilkins-CO).

HUNGARY: Radio Budapest 6025 f/d "Logo" cd. in 24 ds. (Dillon-DC). 9840 f/d cd. w/ ltr. in 53 ds. (Phipps-MO).

IRAQ: Radio Baghdad 9610 f/d "Najaf Shrine" cd. in 67 ds. (Richards-CT).

ISRAEL: IBA 9815 f/d cd. in 86 ds. (Hastie).

JAPAN: Radio Japan 17755 f/d "Mt. Fuji" cd. in 1 mo. (Talbot). FEN 3910 "Logo" cd. in 71 ds. (Talbot-ALB).

KENYA: Voice of Kenya 4804 p/d ltr. in 6 mo. for 2 IRCs. (Kapinos-MA).



RADIO SANTA FE
 H.J.C. ONDA LARGA 1.070 KS.
 H.J.A. ONDA CORTA 4.965 KS.
 H.J.K. I. FRECUENCIA MODULADA 97.5 MC.
 13.200 WATIOS DE POTENCIA

★ **BOGOTA**
 Colombia



KOREA, PEOPLES REPUBLIC OF: Radio Pvongvang 9977 f/d cd. w/ pennant in 43 ds. for 2 IRCs. Comments on program content may get a faster reply. (Niekamp-MN)...Good idea!

KOREA, REPUBLIC OF: Radio Korea 15575 f/d "Wedding" cd. w/ pennant in 29 ds. (Dillon) 11810 f/d "30th Anniversary and Broadcasting Center-KBS" cd. in 24 ds. (Talbot-ALB).

LITHUANIAN SSR: Radio Vilnius 17870 f/d folder cd. in 232 ds. (Talbot). same in 103 ds. for 2 IRCs. (Hastie-TX).

MALAGASY REPUBLIC: Radio Nederland 11740 f/d cd. in 40 ds. (Niekamp-MN).

MALTA: Radio Mediterraneo 6110 large f/d cd. in 97 ds. w/ decal. (Dye-AR).

MANCHURIA: Heilongjiang PBS 4925 f/d cd. in 1 mo. via Beijing. (Lare-MI).

MAURITIUS: MBC 9709 multi-colored flag cd. * in 6 wks. for an EG/FR rpt. (Valko-PA).

MONGOLIA: Radio Ulan Bator 12070 f/d cd. w/ pennant in 290 ds. (Foxx-VA).

NIGER: ORTN 3260 f/d "Map" cd. in 49 ds. for a FR rpt. and 2 IRCs. v/s Youssoufou Ahmadou. (Schmitz-FRG). (VanHorn-TX).

NIGERIA: PRCN 4990 via Lagos f/d cd. in 65 ds.

OMAN: Radio Oman 11830 f/d folder cd. in 1 yr. for 2 IRCs. v/s Rashid Haroon. (Lazarus-LA).

PAKISTAN: FBC 7315 p/d ltr. in 111 ds. (Cones-VA). f/d ltr. in 46 ds. (Barto)

PAPUA NEW GUINEA: Radio Gulf 3245 f/d ltr. * in 26 ds. for ms. v/s Mr. Mau Ilavea, Station Manager. (Bryant-OK). p/d personal ltr. in 15 ds. for ms. (Warner-AUST). NBC 4890 f/d cd. in 46 ds. for 2 IRCs. v/s Thomas Abye. (Cones-VA).

PERU: Radio Cusco 6195 f/d cd. w/ nice pennant in 4 $\frac{1}{2}$ mo. for a SP rpt. and ms. v/s Elena Lizarraga Pacheco Gondas, Gerente General. (Lobdell-MA). Radio Andahuavlas 4840 f/d ltr. in 76 ds. for a SP rpt. and 1 IRC. v/s Daniel Andreu Casafranca (Cones-VA). Radio America 6010 n/d personal ltr. in 24 ds. for a SP rpt. and ms. v/s Samuel Victor Vega Espejo. (Warner-AUST). Radio Amazonas 5060 f/d ltr. in 33 ds. for a SP rpt. and 1 IRC. v/s Marina Pena del Aguila, Secretaria. (Schmitz-FRG). Radio Atlantida 4790 f/d ltr. in 67 ds. for a SP rpt. and 2 IRCs. v/s Ivan Tenorio Matute. (name?).



Radio Tarma 4775 f/d personal ltr. in 4 mo. for a SP rpt. and ms. Pennant rcvd. v/s Mario Monteverde P., Administrativo Gerente. (Lobdell-MA).

* Radio Libertad de Junin 5040 f/d personal ltr. w/ prepared cd. in 9 yrs: for a SP rpt. and ms. v/s Mauro Chaccha G., Director-Gerente. (Lazarus-LA). Radio Libertad de Trujillo 4910.7 f/d prepared cd. w/ personal ltr. in 17 ds. for a SP rpt. and ms. v/s Carlos Burmester B., Abogado-Director Gerente. (Reinstein-FL). Radio Nor Peruana 9655 p/d mimeo-form ltr. via registered mail in 1 mo. for a SP rpt. and ms. v/s Augusto R. Roca Garcia, Director. (Lobdell-MA).

PHILIPPINES: FBC 21515 via Bocaue f/d "Sunset" cd. in 34 ds. for 3 IRCs. (Warner-AUST).

POLAND: Radio Polonia 6095 f/d cd. in 51 ds. (Green)

ROMANIA: Radio Bucharest 11940 f/d cd. in 94 ds.

RWANDA: Deutsche Welle 17800, 9735 and (Levison-PA). 11965 n/d cds. in 29 ds. (Barto-CT).

Saipan: KFBS 15115 f/d "Map" cd. in 1 mo. for ms. v/s R. Bower. (Lobdell-MA). same in 1 mo. for ms. (Lazarus-LA).



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SAIPAN: KEBS 15115 f/d cd. in 1 mo. for ms. v/s H. Jewett. (Hastie-TX). 11775 f/d cd. in 26 ds. for ms. (Reinstein-FL). KYOI 11900 f/d cd. in 17 ds. (Hastie-TX).

SARAWAK: RTM 4950 via Kuching f/d "Broadcasting House" cd. in 40 ds. for 2 IRCs. (Lare)

SENEGAL: Radio Senegal 4890 f/d cd. in 455 ds. for a FR rpt. and ms. (Foxy-VA). p/d cd. in 4 mo. for 2 IRCs. (Lare-MI).

SICILY: RAI 7175 via Galtanisatta f/d cd. in 149 ds. (Laskowski-IN).

SOLOMON ISLANDS: SIBC 5020 f/d "Logo" cd. in 23 ds. for 1 IRC. (Dillon-DC).

SOUTH AFRICA: Radio RSA 9615 and 11730 f/d "Pilgrims Rest" cd. in 20 ds. for 2 IRCs. (Foxy-VA). 9615 f/d "Bloubergstrand" cd. in 12 ds. (Dillon). f/d "Ebenezer Dam" cd. in 1 mo. (Dye).

SRI LANKA: RCI 11835 via SIBC f/d "RCI Logo" cd. in 23 ds. v/s A. Peterson, DX Host. (Reinstein-FL).

SUMATRA: RRI Sibolga 5257 f/d ltr. in 49 ds. for an IN rpt. v/s H. Hutabarat BA.. Kepala. (Barto-CT).

SWEDEN: Radio Sweden International 11705

f/d "EDXC-84" cd. in 14 ds. (Dillon-DC).

SWITZERLAND: SRI 21520, 17785, 17830 and 9625 f/d "Studio" cd. in 33 ds. (Barto-CT). (Green-TN).

TAHITI: RFO Papeete 15170 f/d cd. in 68 ds. for 2 IRCs.

TANGIER: RTVM 15335 f/d "Map Tower" cd. in 29 ds. for a FR rpt. and ms. v/s J. Tanane, Technical Director. (Reinstein)

THAILAND: Radio Thailand 9650 p/d "Thai Mask" cd. in 3 mo. for 2 IRCs. (Lare-MI).

TOGO: Radio Togo 5047 f/d "Logo" cd. in 190 ds. for a FR rpt. and 2 IRCs. (Cones-VA).

TURKEY: Voice of Turkey 11755 f/d "Izmir" cd. in 22 ds. w/ pennant and sticker. (Dillon-DC).

UKRANIAN SSR: Radio Moscow 9765 via Lvov f/d "Hotel Rossiya" cd. in 39 ds. (Dillon-DC). f/d "Kalinin" cd. in 39 ds. (Green-TN).

Radio Kiev 17870 f/d "House of Trade Unions" cd. in 40 ds. (Dillon-DC). 9710 f/d "State Museum" cd. in 53 ds. (Dillon-DC).

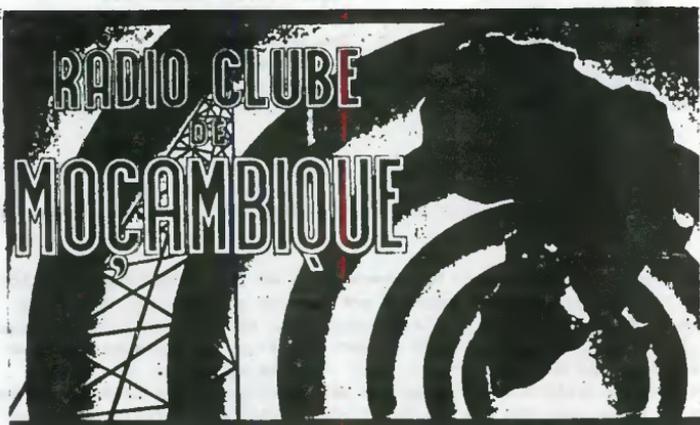
UNITED ARAB EMIRATES: Dubai Radio and Color TV 15300 and 15320 f/d cd. in 31 ds. for 3 IRCs. v/s K. Fenner. (Mosman-IL).

USA: Voice of Free China 5985 via WYER f/d "Four Gentlemen" cd. w/ pennant in 51 ds. (Talbot-ALB). WYER 15365 f/d "10th Anniversary" cd. in 59 ds. w/ sticker for ms. (Foxy-VA). same in 53 ds. (Levison-PA). 9535 p/d cd. in 63 ds. (Hastie-TX). 6065 f/d cd. in 50 ds. (Dye-AR).

Radio Earth 6185 via WRNO f/d "Curacao" cd. in 19 ds. v/s Jeff White. (Talbot-ALB).



AUSTRALIAN RADIO DX CLUB		QSL
We wish to thank you for your receipt of this report. We have found it correct and hereby acknowledge with this verification card.		
Date of reception	29 March 1983	
Transmission was heard on	15155 kHz	
Time-GMT	02.46 - 02.53	
Via	HCBJ, Quito, ECUADOR	
We appreciate your interest in our programs and invite you to write again. 73's		
<i>Peter Bunn</i> QSL MANAGER		
Peter Bunn A good report, John, thanks!		
	Australian Radio DX Club, P.O. Box 227, Box Hill, Victoria, 3128, Australia	
		Australia 27c
		John Sgrulletta R.R. #1, Box 128 Mahopac, New York 10541 U.S.A.
		VIA AIR MAIL POSTCODE



1966 QSL via Don Hosmer

USA(Pirate): KQRP 6280 f/d "Parrot at Mike" cd. in 20 ds. for ms.(name?).
 * 6210 f/d cd. in 19 ds. for ms.(Lare-MI). 7413 f/d ltr. in 21 ds. for
 * ms. 20 watts:(Wertheimer-MN). WIMP 9435 f/d cd. in 18 ds. for ms. 75
 watts:(Wertheimer-MN).

USSR: Radio Moscow 9765,12060,15100 and 11840 cds. in 1 mo.(Levison-PA).
 Ask for their transmitter sites next time...Sam.

VANUATU: Radio Vanuatu 7260 f/d "Tam-Tam" cd. in 117 ds. for 2 IRCs.
 (Schmitz-FRG). same in 62 ds. for a FR rpt. and 2 IRCs.(Cones-VA).

VATICAN: Radio Vatican 6015 f/d cd. w/ sticker in 22 ds.(Foxy-VA). 9645,
 11740 and 7250 f/d cds. in 21 ds.(Barto-CT).

VENEZUELA: Radio Tachira 4830,5830 and 3830 p/d cd. in 37 ds. for a SP
 * rpt.(Barto-CT). Radio Tricolor 4820 f/d prepared cd. in 9 yrs! for a
 SP rpt. and ms.(Lazarus-LA).

VIETNAM: Voice of Vietnam 9840 f/d paper cd. in 70 ds. for 1 IRC.(Niekamp)
WEST BERLIN: RIAS 6005 f/d "Building" cd. in 14
 ds.(Reinstein-FL).

ZAMBIA: ZBS 4911 f/d cd. in 163 ds. after a f/
 up rpt. for ms. v/s Peter Musuba
 (Bryant-OK).

ZANZIBAR: Radio Tanzania
 * Zanzibar 3339 f/d pre-
 pared cd. in 5 wks. v/s
 Tato Ali Abdolla, Direc-
 tor.(Valko-PA).



NOTE: Sorry for the short
 column this month. I'm not
 even going to count up the countries. Hi!
 It seems that everyone is probably on vaca-
 tion. Things will pick up in a while.
 Best of DX...Sam.

Sam



Radio
FIDES

update

August 1984***Number 168

Tom Alleman
636 E. 74th Terr.
Kansas City, MO 64131 USA
(816) 523-7292 7-10 pm Central

UPCOMING DEADLINES: 10 August (Mid-August) 20 August (September) 10 September (Mid-Sept)

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About seven years ago at this time, I answered Mac Leonhardt's ad for a replacement editor for what was then called DX Hotline. He wrote back, I got the job and over the following seven years, the name changed to UPDATE and 168 issues followed. At the end of seven years as UPDATE editor--yes, it has been that long--I am grateful to many, many people who have helped, encouraged or offered good advice over the years. To them my thanks. But to two groups of people I have special gratitude. To those who have paid out their hard-earned money to buy the mid-monthers, I thank you. You are the proof that UPDATE still fulfills a need within the club and the hobby. To those who have contributed over seven years, whether it be one item or one thousand, my gratitude is endless. I've said it before and I'll say it again: without your support, none of this would be. I am honored by your support. I'll do my best to make the next seven years of UD as much fun as the last. ---tba

CLANDESTINE LV de CID, R. Camilo Cienfuegos, 10041.3, in SP 0400 7-13 with a long political talk by M, then several IDs at 0416 followed by pop mx. Nice clear signal, powerful enough to penetrate my summer power line hash. (Bill Sparks, CA)

COSTA RICA Radio Columbia has been moving around. Formerly on 4825, it was heard several times between 3 and 9 July on 4840 and on 18 July it was on 5010. (Wendell Craighead, KS)---Same after about two weeks on 4840 moved up to new 5009.5 on 7-17 where it was noted 0445 with the usual political talks, this time a speech in a large hall with an echo. Full ID 0501. Powerhouse signal but low freq het from Garoua. Also noted on the same morning at 1100 but with heavy QRM. Noted again on 5009.5 on 7-18 till 0502*. (Sparks, CA)

INDONESIA RRI Ujung Pandang has returned to 4719 for its evening schedule audible after 0900. +++RRI Wamena, 5043.6, in IN 0950 6-27 with beautiful Indo songs. Local ID at 1000 with a nice clear signal, then into an off-air nx relay with a very poor pick-up. Copy became impossible. Wamena has been fairly regular at this time during the past two weeks. +++RRI Pekanbaru has drifted down to 5882 where it has been heard for the past two weeks. Noted here first on 6-28 at 1150 with local nx by W, anthem at 1153 and local ID. (All above from Sparks, CA)

PERU R. Ancash, 4990, has been heard regularly since 6-27 coming on air at about 0925. Seems to switch into a prgm already in progress on AM with mostly huaynos and folklorico mx. ID is usually heard at any time between 0930 and 0935. The signal is always wiped out by Barquisimeto carrier at 0945. +++R. Colonial, 6137.5, noted 7-14 at 1130 w/ huayno and folklorico mx and ID 1136. Weak but clear. (Both via Sparks, CA)

USSR R. Minsk, 11860, in presumed Byelorussian and Spanish!!! 1700-29 on 7-18. All Byel. except 1721-1727 when M in SP with a few words occasionally by M in Byel. Nothing heard on scheduled // freqs 11735 and 11820. (Craighead, KS)

VENEZUELA Presumed Observatorio Naval Cagigal, 5000, at 0403-0446 on 7-12, with tone on minute and pulse each second except 30, as on 6100. Time anncmt at 52 sec same as 6100, and sounds like same voice but without mention of "Observatorio Naval Cagigal, Caracas, Venezuela." Instead, time is preceded by six syllables which neither I nor a friend from Mexico could understand. At the same time 6100 was carrying its usual complete ID every minute. At 0510 recheck it had moved up to 5010. Not heard on 5000, 5010 or 6100 since. (Craighead, KS)

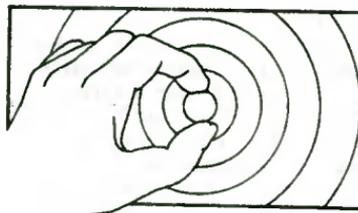
On to our regular report from Juan Carlos Codina in Peru:

- 3315.7 BOLIVIA Radio San Miguel de Riberalta, Riberalta, Beni, has turned up here so don't confuse them with R. Pastaza on 3316.2. R. San Miguel was heard as part of a movement upward in freq.
- 3705.3 PERU Radio Los Andes, Huamachuco. As usual, here in late afternoons but now exactly over frequency of Radio Lux, Colombia. (3705.5).
- 3915 PERU Radio Nuevo Cajamarca, San Martin. Now in the range between 3915 and 3912.7.
- 4181.5 PERU Radio Jaen, Jaen Cajamarca. Heard here around 0000 4-25 and On 4150.2 2250-0300 on 4-28. Totally distorted but with huge signal. Huge noise I might say. Also heard in mornings not so distorted.

- 4331 PERU R. Jaen, Jaen, Cajamarca. Here is another of the totally distorted Peruvians. Unstable to boot. First noted on 4360, following day heard at Q130 with a totally distorted signal and no carrier detectable. Only marginally understandable listening despite the s9+20db level. Tropical mx non-stop. At 0145 one ID sounding as "Radio Farol" but not sure anyway. I think this stn uses home-brew equipment or perhaps modified medium wave xmtrs. A real mess, very difficult to ID this kind of stn. Sometimes they go away after only a couple of days. At 0211 clear ID: "Te acompaña Radio Jaen, la emisora mas musical del nororiente peruano." Nothing heard on its normal frequency of 5005.3, so I suppose a change in frequency, but the transmitter is not working properly. Listen for a big noise like a Soviet style jammer!
- 4458 BOLIVIA Radioemisora La Voz del Tropical, Villa Bunari, Cochabamba. Very well heard during the evening when they gave their complete Sunday schedule as follows: *1100-1300 various prgms; 1300, "El jardin infantil": 1400, mx till 1415* then *1900-2200 "Mensajes musicales." 2200-0000, "Musica variada." 0000-0030, "Resumen deportivo." 0030-0100, "Orbita musical." 0100-0130, "Musica para el recuerdo." Closing 0200. Do not know its daily schedule of prgms but is on air *1100-1415* and *1900-0200.* Closing time is actually around 0206.
- 4898.8 PERU Radio San Juan de Caraz., Caraz., Ancash. Heard here Saturday till 0230+ with a relay of a meeting in the town school with children performing, speaking at the mike, etc.
- 4916.3 PERU Radio Continente, Juanjui, Pcia. de Mariscal Caceres, Depto. de San Martin. This is the correct QTH of this stn, heard with full ID and lots of commercials for Juanjui stores.
- 5034.8 PERU Radio Imagen, Tarapoto, San Martin. Again heard evenings here, transmitter problems noted 0425-0500* closing w/ NA.
- 5050.4 PERU Radio Municipal, Cangallo, Pcia. de Victor, Fajardo, Ayacucho. Reactivated heard since last week with very good signals to 0400+.
- 5450.6 BOLIVIA Radio Machupo, San Ramon de la Ribera. Noted 2337 reading letters from listeners abroad, including from the USA but did not hear names mentioned.
- 5531.7 PERU Radio San Francisco, Bambamarca, Cajamarca, heard here. This stn previously identified tentatively as Radio Nanduti. Today heard a clear ID as Radio San Francisco, la nueva radio. Today with better modulation varying to around 5520. Lots of commercials for Bambamarca stores. Also noted in 2145-2220 period.
- 5657.3 PERU R. Bambamarca, Bambamarca, Cajamarca. Heard again here with lots of canned echo* IDs at 1920. Good modulation though very faint signal. About half of Ilucan on 5617.5 and off 2030*.
- 5802.4 PERU R. Acunta, Chota, Cajamarca. Unlike weekdays heard on a Sunday to 0107. This extended schedule is Sundays only, other days being 0000*, so try for them accordingly. Till 0100 with prgm of "Pedidos musicales." Excellent signal and surely a new transmitter. Closing 0107 with mx from the picture "Lo bueno, lo malo y lo feo." (the Good, the Bad and ... tba)
- 7408.4 BOLIVIA Radio Carlos V Jiron Pascho, Provincia de Cornelio de Saavedra. First heard while searching for the stn reported on 7411. Mentioned of Santa Cruz and mentions of the Argentine Republic's border. Pair signal and must be a very little town as the stn asked the people of the town to come to city hall to listen to church bells. At 2348 a UTC-4 tc and "Estamos con musica especial, en Domingas, a traves de Carlos V (Quinto), la emisora que integra a los pueblos. Annced that for nx they would join the Qollasuyo network in Potosi. Also named the town of Morocoyos but might be an area in another town. Also named the town of Jiron Pascho that seems to be the town or area where the radio is located. Another ID: "Carlos V, la potencia en radiodifusion de la provincia de Cornelio de Saavedra." (By the way, this is an Argentine patriot from the days of independence.) Also noted at 0200 with a local nrx reel with pieces recorded during the town meeting in the town hall. Seems to be a town oriented stn. Varying to 7408.8. In the meeting, spoke about the communications (roads) between the town and the cities of Potosi and Sucre. Going strong to 0300*.

Again my sincere thanks to all of you for your friendship and support through seven years of UD. More good things to come. See you next time . . .

Best 73,



LOG REPORT

section A

2000 to 4899 kHz

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

DX PARTY IN CHICAGO AREA AUGUST 4TH

I don't know if this announcement will make it to press on time, but if you're in the Chicago area on Saturday, August 4th, and would like to meet members of NASWA, CADX, Hot Tips, IRCA and the NRC, you'll want to attend Earl Higgins' Second Annual Riverside, Illinois DX Get-Together. The meeting/barbeque takes place around 2:00 p.m., at 286 Lawton, Riverside, Illinois, and you are required to bring your own food and booze. Earl will keep the grills hot and will supply pop, chips and the like. To get to Earl's take the Eisenhower West from downtown Chicago to Harlem. Go south on Harlem to Lawton Road and you'll find Earl's QTH. For more complete directions or to let Earl know you're coming, give him a call at (312) 447-6339. We hope to see you there.

ALBERTA DXERS NET GOOD RESULTS ON DXPEDITION

Don Moman of Edmonton, Alberta, recently took a carload of receivers to Seven Mile Flats, which is 300 km SW of Edmonton. Using but a Kenwood TS 430, Drake SPR-4 and an Icom R-70, along with a 400 foot SE longwire, 1300 foot SW beverage, 1000 SE beverage, and a 1000 foot SSW beverage, he "only" noted the following stations.

- 2340 PAPA/NEW GUINEA, R. West New Britain; PD, nx and sports, ID after nx, mention of Kimbe, 1107, 5/18.
- 2376p PAPA/NEW GUINEA, R. Chimbu, PD, weaker than 2340 w/DM nx, possible ID w/TC after nx at 1115, 5/18.
- 2380 FALKLAND ISLANDS, FIBS; EG, two DM's w/interview px, one was with the British forces. Interspersed w/pop tunes to 0428, s/off anmts, mentioned s/on at 6 o'clock. Carrier left on, noted past 0530, some audio noted 5/18 at 0925, but poor. FIBS was noted nearly every nite and morning for the 5 days of the DXpedition, signals ranging from very poor to quite readable. Best times were 0355 to 0430 s/off and again from about 1025 to 1130 fadeout. Never noted on 3958. I can't believe this station is so easy to hear this far north!
- 2428 PAPA/NEW GUINEA, R. Manus; PD/EG, 5/18, list of upcoming events taking place, British pop tunes and dedications, ID at 1130 and into EG px, educational style w/a "story" line featuring a man writing a job application. The px gave tips on how to do this properly and instructed listeners to "follow along in their radio booklet."
- 2450 PAPA/NEW GUINEA, R. Western Highlands; PD, "Country Roads" by John Denver, ID and TC, 1123, 5/18.
- 2480 UNID, EG, 5/20, 0442, //770 with the Seattle Mariners, 1240, checked, but no //hrd this time.
- 3205 PAPA/NEW GUINEA, R. West Sepik; PD, 1157, 1cl songs and chorus, TC for 5 past 10 was 75 seconds fast! Into nx w/mentions of Vanaimo constantly.
- 3240 SWAZILAND, TWR; EG, 0305, DM tx in slow speed EG 5/20.
- 3329.8 PERSU, Ondas del Hualaya; SP, singing and yipping at 0321, so should be listed here, 5/20.
- 3355 NEW CALEDONIA, Noumea; FR, drums and FR pops at 0649, but good enough in LSB to escape the slop, 5/19.
- 3945 VANUATU, RV; PD, 0644, poor w/DM nx, //7260 was better, but QRM'd at times, 5/19.
- 4696.7 BOLIVIA, R. Riberalta; SP, 0226, tent. ID, stronger than Santa Ana on 4803.6, 5/18.
- 4725 RUUMA, BBS; presmed at 1430 by Stewart on 5/15 w/1cl mx and gongs...

- 4800 LESOTHO, RL; EG, DM in EG w/nx and many mentions of Lesotho at 0449. 0458, seemed like a program review, TC at 0459, then lcl nx at 0500, also noted 5/22 at 0300 w/choral singing. A new country, No. 153 for me -- also new for John Fisher.
- 4803.6 BOLIVIA, R. Santa Ana; SP, mx through 0200, one selection after another, 0216, tent. ID, into kid's song and ID, 5/18.
- 4860 PERU, R. Chinchycocha; SP, mx and tx, 1033, 5/21.

Don notes the following geomagnetic indices during his DXpedition.

"Solar flux rising from 126 to 140 over the period. 'A' index at 26 rising to 36 with several periods of minor geomagnetic storms where the 'K' index was 6. Conditions were active to storm levels much of the time and several major flares took place, accompanied by sudden blackouts during which we noted a complete blackout of virtually all HF signals. A major enhancement took place May 21 at 2232 UTC with unusual reception of stations from Eastern Canada in the 6 MHz band. Northern Lights were observed nearly every evening."

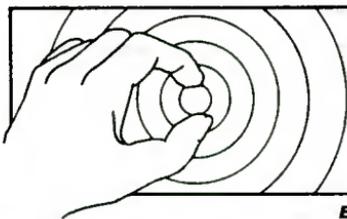
Thanks for the interesting logs, Don. The DXpedition is a great way to get the old DX juices flowing, especially during the "dregs of summer," as my good friend Wilder Pickard would say. Now, for the rest of "LRA"...

- 2025 ISRAEL, Galei Zahal (Israel Defense Forces Station); 0733, Hebrew, DM w/tx, patriotic mx (Nathanson 6/14)
- 2380 BRAZIL, R. Educ. da Limeira; 0910, PT, DM w/tx and mx, YL w/occasional tx, too, tent (Bobb 6/18)
- 2380 FALKLAND ISLANDS, FIBS; 1012, EG, threshold signal w/DM discourse, def. EG accent, pop mx (Bolland 6/11)
- 2490 BRAZIL, R. Educ. Rural; 0025, PT DM and YL w/tx, mx w/deep fades at 0031 nx (Bolland 6/10)
- 3200 LIBYA, Voice of the Arab Homeland; AR, relig. mx, some tx by DM, also hrd on 9890 (Daly 6/9); 0202, AR tent w/DM's slow tx, very serious in tone, several mentions of "Arabiyah..." (Jordan 7/3); 0304 (Bolland 6/20)
- 3220 ECUADOR, HCJB; 0859, Quechua, DM w/ID and inst mx px (Bobb 6/30)
- 3230 SOUTH AFRICA, RSA; 0318, EG, DM w/ID, TC, propaganda and lively mx (Bobb 7/2)
- 3245 BRAZIL, R. Clube; presumed at 0907 t/in w/ DM tx in PT, some mx (Bolland 6/9)
- 3250 SOUTH AFRICA, Radio Five; 0402, EG, DM DJ, ID, soft rock mx, interview w/female South Africa singer (D'Angelo 6/10)
- 3255 LIBERIA, ELBC; 2340, EG, EZL mx and jazz until 0000, then DM w/ID and closing annts (D'Angelo 6/26)
- 3280 ECUADOR, La Voz del Napo; tent at 0959 w/lively tune and DM tx and greetings (Bobb 6/18)
- 3285t BELIZE, R. Belize; 0205, barely audible w/DM tx (D'Brien 6/23); 0352, EG, pop mx, ID (Blanchette, 6/3)
- 3295 NAMIBIA, R. Southwest Africa; 2331, GR/AK, continuous mx in various langs, even some Trini Lopez mx, //3270 (D'Angelo 6/26); 0110, missed ID, but hrd mixed bag of mx, finally hrd ID at 0300 (Dickson 6/25); 0252, EG, EZL mx (Daly 6/9)
- 3300 GUATEMALA, R. Cultural; 0322, EG, DM w/relg px, poor lvl tonite (Bolland 6/9)
- 3309 PERU, R. Bagua; 1004, SP, DM w/tx and lively mx (Bolland 6/15)
- 3330 PERU, Ondas del Huallaga; 1019, SP DM, Huaynos, TC also hrd, contact CHU GRM (Bolland 6/15)
- 3335 PAPUA/NEW GUINEA, R. East Sepik; 0905, YL w/PD tx, signal subject to deep fades (Bolland 6/19)
- 3339 ZANZIBAR, RTZ; 1927, Swahili, ID, reports, Is this a new xmtr? The signal is much stronger than before (Schulze 5/20)
- 3365 BRAZIL, R. Cultural; presumed at 0042 w/two DMs, occasional mx, voice net on this freq killed much of the sig (Bolland)
- 3380 GUATEMALA, R. Chortis; 0135, lively marimba mx, pretty good signal except for het (Dickson 6/25)

- 3381 **ECUADOR**, R. Iris; 0132, SP, folk mx by OM w/marimba back-ups, also some duts w/guitar, spot ID at 0148, echo ID & anmts at 0152 (Jordan 7/3); 0959, mx (D'Brien 6/23)
- 3385 **FRENCH GUIANA**, RFD-Guyane/Cayenne; 0035, FR, drums and YL singing, OM on the hour (D'Brien 6/20)
- 3395 **ECUADOR**, R. Zaracay; 1005, SP, inst. mx (D'Brien 6/23)
- 3930 **CAPE VERDE ISLANDS**, R. Voz de Sao Vicente; 2259-0001x, fairly good sig w/minimal ARD GRM. Mixed bag of EG and PT pops, 2331, chimes and TC, OM ID w/ment of freqs, PT nx followed by cmt, 2343, back to pops, 2359, ID again and NA by band, 4 chimes at 0001 and off (Reinstein and Potter, 6/23-24)
- 3995 **WEST GERMANY**, DW; 0105, GM, nx read by OM, ID and IS at 0115, poor due to ARD GRM (Dillon 6/30)
- 4458 **BOLIVIA**, La Voz del Tropico; 0059-0200x, SP, mostly LA mx, but "Get up and Boogie" disco played at one point. Several IDs w/TCs and ment. of Cochabamba, s/off anmts at 0200 by OM and then off (Valko 5/30)
- 4485 **USSR**, Petropavlovsk-Kamchatsky; 1008, RS, OM w/possible nx, 1010, mx (Bolland 6/13)
- 4607.5 **INDONESIA**, RRI/Serui; 1155, IN, vocals, theme and RRI nx on hour (Lineback 6/24); 1046, mx and tx by OM/YL (Bolland 6/9)
- 4656 **ECUADOR**, CRE; 0945, great sig at t/in w/NA, ID, "CRE Radio Difusora del Ecuador," into px "Noticias Avion" (Reinstein 6/29); 0952, OM w/TCs, ads for bands, mentions of Guayaquil and Quito (Bobb 6/20); 0420, OM, possibly soccer match (D'Brien 6/23)
- 4680 **ECUADOR**, R. Nal Espejo; several IDs at 0155 (Dickson 7/3)
- 4755 **BRAZIL**, R. Dif. do Maranhao; 0040, PT, LA mx w/OM DJ, mentions of Brazil, TC, ads or anmts (Dillon 6/19); 0808, PT mx, comments (Bolland 6/27)
- 4755 **PERU**, R. Haunta; 1030, SP, OM w/YL vocals (Bolland 6/21)
- 4765 **CUBA**, Mayak Relay; 0108, RS, tx by OM and YL, classical mx at 0115 and opera (Dillon 6/19)
- 4770 **VENEZUELA**, R. Mundial Bolivar; 0145, SP, tx and mx w/ID at 0148 (Daly 6/9); 0110, LA mx w/OM DJ, ID by child, TC and love songs (Dillon 6/16); 0942, SP, OM w/tx and mx, chimes, mention of Mundial and Bolivar (Bobb 6/8); 0145, SP, LA pops, ads, IDs, etc (Dickson 6/19)
- 4785 **BRAZIL**, R. Ribamar; 0912, PT, OM and YL w/comments and ads punctuated w/mx (Bolland 6/13)
- 4790 **PERU**, R. Atlantida; 0950, SP, OM w/tx and mx, inst and vocal shouting reverb effects and female vocal ID (Bobb 7/2); 0200, SP, anmt by OM and drawn out ID (Dickson 6/25)
- 4792t **ECUADOR**, Sistema em Atalaya; 0343, excited OM w/possible sporting event (D'Brien 7/4); 0335, nice Andean mx (Schulze)
- 4795 **CAMEROON**, R. Douala; 2307, FR, ID, NA and s/off (Daly 6/30)
- 4795.2 **ECUADOR**, LV de los Caras; 0030, SP, OM tx, TCs w/mx and full ID at 0035 (Bolland 6/21)
- 4796.6 **BOLIVIA**, R. Nueva America; 1011, strong at tune-in w/Bolivian flutes, guitars, yipping, etc., Canned anmt about La Paz repeated several times, useless by 1026 (Reinstein 7/2); anmts in Indian lang, preceded and followed by Charango mx, YL in SP w/ID and TCs (Jones 7/9)
- 4803.6 **BOLIVIA**, R. Santa Ana; 0054x, SP, OM tx, signal plagued w/RTTY GRM (Bolland 6/21)
- 4810 **GABON**, Africa No. 1; 2256, FR, pop mx, also noted on 11940, both w/strong sigs (Daly 6/30); 2247, reggae and afro tunes, ID (Dillon 6/30)
- 4810 **PERU**, R. Dif San Martin; 1025, OM w/tx and mx, shouting, flute solos, then ID (Bobb 6/29); 0331 (D'Brien 6/26); 1024, nice DA insts, ads for stores on "la Plaza de Armas," birthday greetings, 1030, OM ID, "en Radio San Martin 5 y 30 minutos, la hora Inca Kola," really strong and clear signals tonite (Reinstein 6/27)
- 4810.4 **GALAPAGOS**, LV de Galapagos; 0102, OM, carrier is very solid, but not much voice hrd (Bolland 6/21)**Seems like you should probably consider this log tentative then, OM. mln.
- 4815 **BRAZIL**, R. Nac. de Tabatinga; 1002, PT, caught the tail-end of the opening theme w/a full ID following. OM mentioned that this Brazilian wasn't joining the network (Bolland 6/13)

- 4815 **COLOMBIA**, R. Guatapurí; 0215, mx and ads, "whoopin' it up mx" several IDs (Dickson 6/9)
- 4820 **ECUADOR**, R. Paz y Bien; 0934, SP, DM w/ID and tx, some lcl mx (Bobb 6/28); 0930, SP DM, relg comments w/occasional fade (Bolland 6/21)
- 4820 **HONDURAS**, 0130, SP tx by OM, relg mx, several mentions of Salvador, CAM and Cuba (Dillon 6/16)
- 4825 **COSTA RICA**, R. Columbia; 0200, SP tx and mx w/ID at 0202 (Daly 6/10)**See 4839.6. mln.
- 4830 **VENEZUELA**, R. Tachira; 0230, SP, EZL mx, anmt plus ID at 0235 (Dickson 6/11); 0359, closing anmts and s/off (Lineback 7/5); 0101, DM into full ID w/QTH in echo by 2nd DM, followed by romantic ballads (Jordan 7/3); blend of EZL and instrumental love songs, clear ID (D'Angelo, 6/10)+2
- 4832 **COSTA RICA**, R. Reloj; 0045, SP, CAM nx by DM (Dickson 6/20); 0635, LAM, DM, ID and TCs (Dillon 7/4)
- 4835 **SARAWAK**, RM/Kuching; 1205, mentions of R. Malaysia, poor level (Lineback 6/16)
- 4839.6 **COSTA RICA**, R. Columbia; 1020, booming in on this new freq. w/pk titled "Amanecer Campesino" and IDs, "...cadena de Emisoras Columbia." Getting a weaker R. Valera de 4840 (Reinstein 7/2)**Wonder why they'd change to this freq? 1041, OM w/ID and mx (Bobb 7/1); 0133, SP vocals and clear ID, many mentions of CR (Paszkiewicz 7/2)**I enjoyed meeting you at the CADX barbeque in July. Hope to see you again real soon! 0111, "Noticias Columbia" (Rigas 7/9)+3
- 4845 **BRAZIL**, R. Nacional/Manaus; 0106, ID by DM in PT, into pop mx in PT and EG (Enkenhus, 6/18); 0130, several IDs, mx, anmts, etc (Dickson 6/12); 0040, tx by DM, full ID w/echo, joined by 2nd DM later (Jordan 7/3); 0040 (Bolland 6/5)
- 4845 **COLOMBIA**, R. Bucaramanga; 0340, mentions of Colombia, some LA vocals (Lineback 7/5)
- 4845 **INDONESIA**, RRI/Ambon; 1150, IN, mx, tx, clear lcl ID before theme and RRI nx on hr. (Lineback ^/16)
- 4845 **MAURITANIA**, RM; 0700, FR, DM doing the news, ID at 0710 w/sitar mx, good lvl (Trotto 7/2)
- 4850 **CAMEROON**, RC/Yaounde; 2330, FR, Wilson Pickett's "Midnight Hour," OM tx (D'Brien 6/17); 2318, FR, lcl pop mx until 0000, short NA and s/off (Daly 6/2); 0355, SP, U.S. rock and roll mx (Lineback 7/5)
- 4850 **VENEZUELA**, R. Capital; 1002, in w/ads & promos (Bolland 6/9)
- 4855 **BRAZIL**, R. Por um Mundo; 0010, PT, inst. mx (Schulze 6/11)
- 4860 **PERU**, R. Chinchaycocha; #1005, SP, NA, greetings to listeners, several IDs, weak in QRN (Jones 6/27)
- 4860 **PIRATE**, WBBH; 0005, EG, very good signal, hrd after hearing tip via DX Newsletter (301/231-3730) (D'Brien 6/25)
- 4865 **COLOMBIA**, LV del Cinaruco; 0345, SP, world nx (Lineback 7/5)
- 4875 **BRAZIL**, R. Nac. de Boa Vista; 0925, PT, this underneath Radio Super, signal begins to peak around 0930 (Bolland 6/15)
- 4876 **BOLIVIA**, La Cruz del Sur; 0035, SP, DM and YL w/tx and leisurely vocal mx, YL w/ID and good night greetings, 0100* (Bobb 6/30)
- 4880 **BRAZIL**, Rdif. Acreana; 0930, PT, mx and DM tx, signal peaked occasionally to a good lvl, ads, TCs (Bolland 6/8); 0325, TC, OM tx, ID (Schulze 6/3)
- 4885 **BRAZIL**, R. Clube de Para; 0835, PT DM w/nice guitar mx and possible mention of "Para" (Bobb 6/30); 0826 (Bolland 6/27)
- 4889.7 **ECUADOR**, R. Centinela del Sur; 0220, vy weak at 0220 w/possible soccer match, fair at 0400 (D'Brien 6/23)
- 4890 **SENEGAL**, R. Senegal; 2350, Vern, hypnotic drum mx w/vocals, OM DJ, YL tx (Dillon 6/24); 0600, FR, nx, "Mx from this stn sounds like a cross between AR and Afro mx" (McKellar 6/1)
- 4895 **BRAZIL**, R. Cultura de Bahia; 0833, PT, DM w/tx, mx, DJ not letting tunes finish before interrupting to do voice overs, poor signal (Bolland 6/27)

That's all for this month. Not much from my QTH, DX-wise. Most of my time is devoted to preparing for my upcoming marriage in September. Because I'll be on my honeymoon about the time the Oct. column is due, Kevin Mikell of Park Ridge will edit that column. Additional details (and Kevin's address) next month. 73.



LOG REPORT

section B

4900 to 6199 kHz

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

- 4904.5 CHAD Ndjamena, hrd at 0457 s/on on 7-4 with anthem, FR, ute QRM (Green).
- 4905 BRAZIL R. Araguaia, 2305-0007 on 6-11, PT, M&W with armts, mx 2318, ID 2330, then a religious prgm until canned ID on the hour; fair (Bolland-FL); ID 2357 6-8, religious prgm, pop mx; R. Relogio hrd in the background with time signals, became stronger at 0015 and covered Araguaia (Schulze); EZ lctng mx at 0225 6-9, ID 0232, much QRM (Daly); mx, many mentions of Brazil at 0907-0933 6-1, ads 0922, beginning to fade by 0932; can hear Relogio ticking throughout (Bolland-FL).
- 4910 ZAMBIA Lusaka, in vernacular at 1750 on 6-10, time signal at 1800, then EG nx (Schulze); tentatively then 6-13, poor 0430 with male voice, mx 0435 (O'Brien).
- 4911 ECUADOR Emisora Gran Colombia, upbeat LA pops at 0350 on 6-17, to 0400* with ID, closing armts 0358, instrumental mx to carrier cut at 0400; fair sig (Jordan).
- 4911 PERU R. Libertad de Trujillo, 1038-1100 6-25, poor sig, rather late hour; mx, possible ID at 1057 using reverb effect, but by the hour the sig had dropped into the noise (Bolland-FL).
- 4915 BRAZIL R. Anhanguera, 0748-0802 6-27, fair; 0942 on 6-8 with man talking, sig suffering from noise, mx 0945, then nx (Bolland-FL); vocals, accordion, 0015 7-1 (Dickson); man with ID, gal with TC, talk and mx, 0042 7-2, fair (Bobb-MN); religious-sounding drama 0105 6-24, clear ID 0201 (Dillon-DC).
- 4915 COLOMBIA Armonias del Caqueta, *1006 6-16, NA, chimes, ID, fgy, religious mx (Jones-MS).
- 4920 AUSTRALIA ABC-Brisbane, oldie instrumentals at 1220 6-16, fair sig (Lineback-TX).
- 4920 ECUADOR R. Quito, good at 0100 6-17 with sports event, enthusiastic male anncr, hrd on new coax dipole (Dickson); LA mx 0145 6-16, interviews, DJ with echo, mentions of Quito, fair (Dillon-DC); SP pops hrd at 0237 on 6-9 (Daly).
- 4922 PERU R. Ondas del Titicaca, 1027-1038 6-25, OA mx, talking by man 1032, TC, ads, but sig fading into the noise by 1038; poor sig (Bolland-FL).
- 4930 HAITI 4VEH, classical mx 0045 6-10, man with ID, fair-good (Bobb-MN); ditto 0045 6-16 (Daly); FR or Creole talking at 0115 on 6-17 (Dickson); FR 0127 with talk about African mx, ID 0130, religious mx, talk, prayer, good to 0200* on 6-25 (Dillon-DC).
- 4935 BRAZIL Newly active Rdf. Jatai, hrd at 0935 on 6-1 and 6-15, poor with mx, talking, poor in the noise (Bolland-FL); fairly good 6-16 at 2356 with long speech by man with applause, ID 0028 with reverb, then mx; per tip from Dario Monferini (Valko).
- 4938 BOLIVIA R. Norte de Montero, mx 0128, mx, 6-9 (Schulze).
- 4945 BOLIVIA R. Illimani, 1013-1026 on 6-25, gal with armts, then mx, poor overall going back and forth with Colosal (Bolland-FL).
- 4945 COLOMBIA R. Colosal, talk by two men 0851 6-24, pips, IDs, ballads (Paszkiwicz).
- 4950 PERU R. Madre de Dios, good sig at 0130 on 6-11 without any QRM, "Festival de Musica Internacional por Peru" (Schulze).
- 4955- BRAZIL R. Cultura, poor with mx at 0850 on 6-27, also a TC (Bolland-FL).
- 4955 BRAZIL R. Marajoara, also at 0850 6-27, use of R70 RIT permitted separation of this one from Cultura; man talking, mx, poor signal (Bolland-FL).
- 4960 ECUADOR R. Federacion, in Quechua at 1104 6-10, fair, steady sig (Bolland-FL).
- 4965 BOLIVIA R. Juan XXIII, hrd several AMs during last week of June, 1006-1024 usually poor but atop the Brazilian; choral church mx, nice CP theme at 1015 as intro into prgm of mensajes; CP mx agn 1020 but soon lost (Reinstein-FL).
- 4965 COLOMBIA R. Santa Fe, 0946 6-13, fair with ranchera mx, man, sig fading (Bolland-FL).
- 4970 SABAH Kota Kinabalu tentatively, 1220 6-16, poor with talking, pips (Lineback-TX).
- 4975 COLOMBIA Ondas del Ortegaza, NA 1006 6-27, ID, "Amanecer Campesino," strong (Reinstein).
- 4977 ECUADOR R. Tarqui, 1118 on 6-19, fair with mx, TC on half-hour, mx, talk (Bolland-FL).
- 4980 VENEZUELA Ecos del Torbes with LV del CID prgm from 0100 6-19, IS, ID, nx, good sig (Trotto-FL); ditto 0116-0140, CID ID with 2001 theme, into regular EdT prgmng 0134, 6-26 (Dillon-DC); LA mx 0201 6-24, ID 0215 (Dillon-DC); clas.mx 0242 6-9 (Daly).
- 4985 BRAZIL R. Brasil Central, man talking, mx 0934 6-13, fair (Bolland-FL); vocals 0115 7-2, ID 0118 and other times, fair (Dickson); pops 0415 6-17, echo ID (Jordan).
- 4985 IRAN Tehran, AR svc 0054-0137 6-20, fairly good and competing with Brazil; militant talk, Iran mentioned several times in 0100 ID; no //s found (Reinstein-FL).
- 4990 ECUADOR R. Baha'i presumed, closing armts 0454 6-10, HC NA, IS, 0459* (Alexander-PA).
- 4990 USSR Yerevan presumed, 0948-1006 6-8, RS, talking, hrd poorly occasionally (Bolland-FL).
- 4990 VENEZUELA R. Barquisimeto, LA mx 0140 6-30, gal with echo ID, interview (Dillon-DC).
- 4996 PERU R. Andina, 0926-0935 6-13, fair with man talking, mx in background (Bolland-FL); man with echo ID 1001 6-16, shouting, mx, poor and noisy (Bobb-MN).

- 5004 EQUATORIAL GUINEA R. Nacional, Bata, nx 2100 6-10, rpt frm R. Malabo 2108 (Schulze).
- 5010 CAMEROUN Garoua, *0430 7-6 with ID by gal (Field-MI).
- 5015 USSR Vladivostok, EZ lstng mx 1044 6-21, drama at 1050, six time tones at 1100, IS, man with nx, poor sig (Bolland-FL).
- 5015 CLANDESTINE R. Truth, EG talk about Zimbabwe 0437 6-10, US pop mx, closed with bird IS at 0500 (Alexander-PA).
- 5020 ALBANIA Gjirokastr, 0314 6-9, fair with folk songs, gal talking (Bolland-FL).
- 5020 SOLOMON IS. Honiara, lstnr ltrs 0834 6-10, also island mx, IDs; stronger with religious prgm at 1021 retune (D'Angelo-PA); man with ID 1031 6-17, mx, mostly C&W, fair in QRN (Bobb-MN); in Pidgin 1038 6-16, island mx, pops, TC, Milo drink ads, nx at 1100 (Paszkievicz); pop mx 1050 6-10, full ID 1100, nx, poor signal (Bolland-FL).
- 5025 BRAZIL R. Borborema, 0920 6-19, poor with ID and talking (Bolland-FL).
- 5025 BRAZIL R. Jornal Transamazonica, 0931 6-27, steady talk by man, poor (Bolland-FL).
- 5028 UGANDA Kampala, EG nx 0400-0410 7-7 (Lineback-TX); 5025, EG religious prgm 1930, "You and Diseases" (Schulze).
- 5030 PERU R. Los Andes, OA mx 0500 6-10, yipping, talk, IDs, NA to 0514* (Alexander-PA); poor 0944 6-27, mx and talking (Bolland-FL).
- 5030 VENEZUELA R. Continente, EZ lstng instrumentals 0201 6-25, ID (Alexander-PA); ID at 0745 6-24, fair sig, past 0800 (O'Brien).
- 5040 VENEZUELA R. Maturin, talk, mx, 0931 6-16, fair-poor and fading (Bobb-MN); 0947 on 6-27, mx, armts, TC (Bolland-FL).
- 5045 BRAZIL R. Cultura do Para, 0803 6-27, pop mx, reverb mike during armts, ads, poor; also fair 0924 6-19 with mx, full ID, more mx (Bolland-FL); classical piano mx at 0135 7-3, ID 0140, wx QRN (Dickson); US and Brazilian pops at 0222 on 6-24, male DJ with ID at 0242, TC (Dillon-DC); ID, talks at 2145 fade-in on 6-10 (Schulze).
- 5047 TOGO Lome, FR choral singing at 2350 6-30, then NA and 0002*; no ID, so tentative (Daly).
- 5050 COLOMBIA LV de Yopal, armts by M&W at 0058 6-6, lively local mx, then NBC-type chimes, instrumental NA and then 0106*; fair with ute QRM (Valko).
- 5050 ECUADOR R. Jesus del Gran Poder, greetings 1005 6-26, NA, talk, ID, children's chorus, fair in QRN and some ute QRM (Bobb-MN).
- 5055 OOSTA RICA TIFC, EG 0350 6-13, religious prgm, full ID, QTH, NA, 0355* (Trotto-FL).
- 5055 FRENCH GUIANA Cayenne, 0933 6-19, nx by man, good compared to other sigs on band; 0950 6-1, poor with mx, talking (Bolland-FL).
- 5055 SWAZILAND TWR, *0400 6-13, IS, EG ID, fair signal (Trotto-FL).
- 5296 ANGOLA Presumed R. Nacional, poor 2349 on 6-22, pop mx with talk by a man, maybe nx on the hour; very difficult to copy due to distortion (Bolland-FL).
- 5580 CLANDESTINE R. 15 de Septiembre, usual talking by a man at 0240 on 6-16, woman shouting slogans, barking dogs, brief mx breaks, //6215, 7050 (Alexander-PA).
- 5930 CZECHOSLAVAKIA Prague, 0115 6-6, EG, comments on NATO conf, D-day, "Tx for Your Tape Recorder," fair (Dillon-DC); 0144-0157* 6-18, EG, gal talking about folk festival, polkas and other folk mx, ID 0155, IS at s/off; fair (Enkenhus-MD).
- 5945 AUSTRIA Vienna, lstnr's letters 0145 6-11, old time mx (Dickson); "Rpt from Austria" at 0147 6-12, EG ID, good sig, //9770 (Gray-MI); talk on railways, 0330 6-3, good signal (Blanchette-FL); 0330-0356 6-6, fair-good with nx, ID, piano, UN talk (Dillon-DC).
- 5960 CANADA RCI, nx, SWL Digest, 0200 on 6-3 (David); 0200 on 6-6, nx, Canadian astronaut, federal elections, good sig (Blanchette-FL); 0305 6-25, nx, rpt on ghosts, mailbag, loud and clear (Hazel-NY). All EG.
- 5965 BRAZIL R. Guaiba, man with ID and talk at 0951 6-26, mentions of Porto Alegre; fair in QRN (Bobb-MN); M&W talking at 2300 on 6-19, accent nx, poor (Bolland-FL).
- 5975 ENGLAND BBC WS, EG "World Nx" at 0400 on 6-29, good signal (Hazel-NY).
- 5980 SOUTH AFRICA R. RSA, EG at 0235 6-9; TC, nx, talk on olympic team selection process; strong but only fair overall (Gray-MI).
- 5985 USA WYFR-Okeechobee carrying VOFC program, EG 0114, cntry about Hong Kong, very good sig 6-28 (Blanchette-FL); 0500 6-6, CH mx, gal DJ in CH, into EG 0510, NA, "Mailbag Time," cooking, CH lessons (Dillon-DC).
- 5995 AUSTRALIA RA, world nx at 1100 6-21, fair sig (Blanchette-FL).
- 6005 ASCENSION IS. BBC relay str., Wimbledon rpt 0430 6-30, local QRM, QRN, fair (Park-HI).
- 6005 CANADA CFCX-Montreal, 0605-0624 6-30, nx, wx, sports, faded by 0625 (Hazel-NY).
- 6010 PERU R. America, continuous Cuban mx 0829 7-1, ID 0847; poor overall (Jones-MS).
- 6010 SOUTH AFRICA R. RSA, EG 0200 7-7, talk on Jesse Jackson's visit to SA, US-Mozambique support; fair to good sig but het (McLemore-FL).
- 6015 NORWAY Oslo, Norwegian ID hrd at 2049 on 6-7 (Nathanson).
- 6017+ NICARAGUA Voice of Nicaragua, 0122 on 6-13, ID, TC 0128, hets from 6020, poor overall (Gray-MI); lstnr's ltrs, mx, nx, 0145-0200 6-7, a little closer to 6018 (Dickson); "Contact 248" 0150 on 6-13, ID, nx (using Pointer Sisters as a bridge), very good sig (McLemore-FL); bad mouthing USA 0400, ltrs, local mx, nice signal to 0500 (Luce); on 6-13, anti-Reagan editorial 0455, wiped out 0500 by VOA s/on in FR to Africa; fair-poor, IDing as Intl Svc of LV de Nicaragua (Jordan); ending EG prgm at 0458 on 7-4, wished everyone good night, anncd fcy as 6015; exc strength, vy good overall (Jones-MS).
- 6020 NETH. ANTILLES RN-Bonaire, DT 0950 6-6, pips, into EG; RM, KBS-6015 QRM (Park-HI).
- 6020 SOUTH AFRICA R. RSA, NG 6-3, 0155, IS, ID, EG nx, below BBC; not listed (Schulze).
- 6020 USSR RM WS, EG 1407 6-26, nx, "Sov Way of Life," QRM from 6015, 6025 (Park-HI).

- 6025 BOLIVIA R. Illimani, 1004 6-29, M&W talking, flutes, fair sig (Bobb-MN).
- 6025 HUNGARY Budapest, *2330 6-30, IS, s/on with nx, Hungarian (Prath-FL); 0057 6-24, IS, then EG ID, fair sig (O'Brien); 0200 6-6, world nx, good signal (Dickson).
- 6030 CANADA CFVP-Calgary, 0727 6-10, rock and pop mx, call ltrs given as CFCA, singing call letters by gals at 0731; 1st positive ID on this one for me; poor overall (Jones-MS).
- 6030 ENGLAND BBC, EG 2130 6-8, talk abt a pop song, also hrd on 720 (Nathanson).
- 6035 BRAZIL R. Globo, 2334-2352 6-16, nx, reverb, jingle ID, ads, fair sig (D'Angelo-PA).
- 6035 COLOMBIA LV del Guaviare, mx and talk at 1034 6-22, ads 1057, full ID 1103, then mx
- 6040 ANTIGUA DW relay, EG nx, exc sig 0100-0110 6-10 (McKellar). (Bolland-FL).
- 6045 AUSTRALIA RA, "Calling Antarctica" 0915 6-22, 6050 and 6055 QRM (Park-HI).
- 6050 ECUADOR HCJB, regional svc to South America, SP at 0100 on 6-16 (Daly).
- 6050 GFR RFE, current events in Hungarian, fair 2120 on 6-8 (Nathanson).
- 6050 NIGERIA Ibadan, closing armts hrd 2304 6-17 at end of couple of Nigerian nx items, then anthem; poor sig (D'Angelo-PA).
- 6060 PORTUGAL Lisbon, *0030 on 6-15, IS, NA, FR ID, gal talking; good sig (Trotto-FL).
- 6070 CANADA CFRX-Toronto, hrd at 1200 6-9 (Weinhold); airlines ad, TC, cooking lobsters, 2340 6-7, fair (Dillon-DC); 0030 7-5, mx, oldies, ads, nx 0100, original Cohan recordings (Dickson); 0155 6-17, mx, ads, ID, nx (Dickson agn).
- 6075 GFR DW, EG 0100-0130 6-12 (Weinhold).
- 6075+ COSTA RICA R. Rumbo, 1200 6-30, LA mx, political talk, frequent IDs (Prath-FL).
- 6080 CANADA CKFX-Vancouver, fair with nx, sports, 1330-1340 6-26 (McKellar).
- 6080 JAPAN NHK, *0956 6-13, IS M&W giving IDs, into Korean, poor-fair, QRM (Bobb-MN).
- 6085 COLOMBIA Ondas del Darien, *0946 7-9, fair with NA, ID, call, fqy, campo mx (Jones-MS).
- 6090 GUATEMALA TGMUB, gal with flute 1130 6-22, ment. LV de Esperanza 1134; poor (Bolland-FL).
- 6090 LUXEMBOURG R. Luxembour, EG, Elton John mx 0150 6-12, poor, hvy QRM (Gray-MI).
- 6099 NICARAGUA LV de Nicaragua, 1041 on 6-10 with mx, M&W talking, ID, fair (Bolland-FL).
- 6105 MEXICO Su Pantera, 1136 6-21, good with mx, ads, full, live ID 1138, nx; gud (Bolland-FL).
- 6106 BOLIVIA R. Panamericana, *1029 6-27, electronic theme mx, ID, fqys, full orchestral theme, pop mx, commercials, fair sig (Jones-MS); 1030 7-3, folk mx prgm, man with ID at 1043, fairly poor in QRM (Jordan).
- 6110 PHILIPPINES VOA, EG jazz prgm hrd 6-25 at 1150-1202, special EG; nx, fair (Bolland-FL).
- 6118 COLOMBIA LV del Llano, big signal 1032 7-3 with lively LA pops, brassy combos, Super net IDs, TCs, big production multiple IDs, ad string; VG (Jordan).
- 6135 SWITZERLAND SRI, 0143 on 6-10 with mx box IS, 0145 s/on in EG to North and Central America (Daly); 0145 6-24, nx in EG by man, "Swiss SW Merry-Go-Round," fairly good but more QRM than usual (Dickson); 0245 on 6-9, "Swiss SW MGR" (David).
- 6140 FRANCE RFI, hrd 0110 on 7-5, SP mx, talk about FR dialects and provincial mx (Dickson).
- 6145 GFR DW, EG 0100-0130 6-12, nx, "Germany Today" (Weinhold); 0100 on 6-21, press rvw, talk on chemical company shutting down, good signal (Blanchette-FL).
- 6150 COSTA RICA R. Impacto, 0215 on 6-17, sports event, ID 0220, loud and clear (Dickson).
- 6155 SWAZILAND R. Truro, poor 0437 6-23, Indian mx, some EG ads; QRM, QRM (Park-HI).
- 6160 CANADA CKZN-St. John's, sports nx 0937 on 6-15, TC, fishing; fading (Bobb-MN).
- 6160 CANADA CKZU-Vancouver, "Eclectic Circus" 0710 on 6-13, ID, switched to CFM-FM program before going off abruptly 0810*; QRM from 6150-Impacto, 6155-FEN, 6175-BBC (Park-HI).
- 6160 COLOMBIA Emisora Nueva Granada, 1155 6-22, ads, telephone interview, poor (Bolland-FL).
- 6165 MEXICO LV de la America Latina, 1142 6-21, ads, live ID, man giving armts (Bolland-FL).
- 6165 NETH. ANTILLES RN-Bonaire, strong 0230 6-17 with EG nx, anti-nuclear (Dickson).
- 6165 SWITZERLAND SRI, EG ID hrd at 1844, frequency amnt, strong, fair overall 6-10 (Nathanson).
- 6170 FRENCH GUIANA Cayenne, man with FR nx 0911 6-16, ID 0913, fair-poor, //5055 (Bobb-MN); man in FR 0942, gal with nx 0945, FR pops, man with nx 1001; 6-19, but no ID hrd; fair sig (Enkenhus-MD); 0942 6-19, man with nx, good sig (Bolland-FL).
- 6175 ANTIGUA BBC relay, ID 0300 6-6, world nx, "Nx Abt Britain," "Wrd Today" (Dillon-DC).
- 6175 COSTA RICA TIFC, SP religious prgm at 1120 on 6-30, man preaching, //5055 (Prath-FL).
- 6179 ARGENTINA R. Nacional Mendoza, poor at 0856 on 6-27 with pop mx, TCs "en Mendoza," ID at 0900 before nx; wiped out by Turismo NA at 0903 (Jones-MS).
- 6180 VENEZUELA R. Turismo, 1005 6-21, poor with SP mx, TC, canned ID sung as R. Turismo (Bolland-FL); upbeat LA mx 1135 6-30, excited DJ with ID (Prath-FL).
- 6185 NAMIBIA R. SWA, African language 0554 on 6-7 with interview prgm by gal, ad, pips, nx; also 0638 6-24, religious mx; BBC-6175 QRM (Park-HI).
- 6185 USA WRNO-New Orleans, "R. Earth" prgm 6-30 0345-0425, "Wrd of Radio," gud (Hazel-NY).
- 6195 ANTIGUA BBC relay, 1112 6-24, world phone-in prgm re refugees with UN High Commissioner for Refugees; horrendous quadruple echo, 6185 QRM and flutter (Park-HI).
- 6200 NICARAGUA R. Sandino, variety of mx selections at 0245 on 6-17, ID 0300 and several others; good except for local wx QRM; strong signal (Dickson).

A chance for a reminder on sending in your reports. Please include the state where you live, and also the date of your logging. Also, please do not send in loggings prior to the first day of the month preceding the deadline, i.e. for the August 12 deadline, please send in only logs from July 1st on. A number of items have to be discarded each month because of their age. ++ Reports are welcomed from all members, whether newcomers or old hands. My special thanks to the regulars who faithfully report each month. Just get yourself in the "routine" of reporting at the same time. And don't give up on the low bands during the summer. Remember, as DXer John Moritz says, "DX is lurking everywhere." 73--

LOG REPORT

section C

6200 to 11699 kHz

Editor: David L. Walcutt, 211 West 56th, Apt. 36-F, New York, NY 10019

- 6200 NICARAGUA R. Sandino; 0445 SP, ID followed by LA mx (Daly 6/17).
- 6215 LEBANON Voice/King of Hope; 1838 EG, rel pgm (Nathanson-ISRAEL 6/10)
- 6230 CLAND LV de Sandino; 0428-0445 SP, ID, W shouting elogans, LA mx, electronic sound effects (Alexander-PA 6/17).
- 6239.1 PIR. V. of Tomorrow; 0015-0104* EG, ID, class mx, lbr, Jewish influence on the media & mx; ann'd 15040, 7410, 6240, 1616 w/Michigan address; IS of Timpani and wolf-howl (Alexander-PA 6/10).
- 6323.7 PERU Estacion "C"; 0110-0200 SP, lively LA vol mx (IV type), ID by M as: "Transmitiendo desde Moyobamba, capital del Departamento San Martin, para todo el Peru, Estacion "C" ? apunta al futuro, at 0118 and again at 0159; tnx Jensen for help in ID wording (Valko 6/17); 0640-0700* SP, ment. Moyobamba (Alexander 6/10).
- 6550 LEBANON R. Voice of Lebanon; 1735-1755 EG, EZ mx, religious propaganda, nx in which stated that the situation is getting bad and that all our listeners should take cover (Nathanson-ISRAEL 6/11).
- 6556 CLAND R. Venceremos; 0325-0340 SP, M&W w/revolutionary tlk, ID w/mention locale in El Salvadore; g (Trotto-FL 7/4).
- 6571.4 VIE/ NAM Lai Chou; 1032-1040 Vietnamese Woman w/cmnts, mx; very muddled audio making a poor signal worse (Bolland-FL 6/10).
- 6720h GUATEMALA; LV de Nahualá; 0202 noted in passing; f (Reinstein 6/20).
- 6841.7 OLAND R. Libertad Cubana; *0105-0150+, Comandante David returned to the air in his old format, made famous during the 1980 Mariel boat-lift: S/on w/theme song, trumpets & ID "este es Radio Libertad Cubana unica estacion de Radio Rebelde que transmite desde un lugar del Caribe. RLC es el unico organo de informacion de las Fuerzas Armadas Cubanas." At 0137 switched to 6935.8 for a long series of coded mensajes supposedly to Cuba; signed off w/his trademark "Dios está con nosotros, nosotros estamos con Dios"; S9+40db (Reinstein 6/23).
- 6960 PIR. "WKRU-SW"; 0232-0250*, Weird Al Yankovic with "Polkas on 45"; ID repeated 8 times; said they changed from 6825 (McLemore-FL 6/17).
- 7050 CLAND R. 15 de Sept.; 1155 machine guns, ID, fast talk (Trotto 6/19)
- 7065 ALBANIA RT; 0000-0030 EG, "Holiday Homes", nx, review (Dillon 6/14).
- 7120 ALBANIA RT; 0136-0140 EG, omntry (Gray 7/4, Dickson 6/23).
- 7125 POLAND RP; 1800 FR, nx (Nathanson-ISR 6/11); 2348 PO (Daly 6/19).
- 7225 RWANDA DW-Kigali; 0450 EG, "The Week in Africa" (Park-HI 6/30).
- *7260 VANUATU R. Vanuatu; 0942-1002* unid. lang, island mx, ID, rel tlk, frequency amnt, NA, s/off; worse than //3945 (Paszkiwicz 6/17).
- 7270 POLAND RP; 0200 EG, IS, ID, nx; //6095, 7145, 9525 (Dillon-DC 7/1).
- 7285t MALI RTV du Mali; 0712-0800 FR, NA, tent. ID at 0714, talk & Afro pop mx; no //s found (Alexander-PA 6/10).
- 7292.9 ALBANIA RT; 0041 w/unique local mx; 0057 "Ju flet Tiranë" ID (which makes me think "you fled Tirana" hi); ex-7300 (Reinstein-FL 6/23).
- 7295 UK BBC; *0430-0435 FR, IS, ID, NX; fair (Trotto-FL 6/11).
- 7295 SWAZILAND TWR; 0500-0600 "Back to the Bible" (Park 6/7, lúce no daté)
- 7310 ALBANIA RT; 1313 Hungarian, omnt, ID (Nathanson-ISR 6/10).
- 7345 CZECHOSLOVAKIA R. Prague; 0100-0300+ EG to N.Am. (Dillon, Dickson).
- 7355 USA WRNO; 0130 EG, "World of Radio" (David 6/30).
- 7370 PIR. R. Clandestine; 0328-0358* rock mx & ID's, game show, freq varied from 7368 past 7370 (Rigas-IL 6/11, Valko-PA 6/11).
- 7375 PIR. R. Clandestine; 0018-0040, usual fine mx & comedy (Rigas 7/5).
- 7400 CLAND LV del CID; 0506* "R. Frank Pais", Beatles mx (Alexander 6/8).
- 7410 PIR. "KQRP"; 0229-0250 "The Shadow", ID announcing Battle Creek address, Rich Little as Reagan doing a press conf. (McLemore 7/5).
- 7410 PIR. V. of Laryngitis; 0254-0329*, mx by Frank Zappa, comedy skits, ID w/barking seal, call-in, send \$5. (Rigas, McLemore, Field: 6/17).
- 7413 PIR. V. of Laryngitis; 0403-0412* EG, relaying Kiwi Radio, occasional ID's for both, pop mx; KIWI, Box 1437, Hastings, New Zealand; s/off w/seal (Valko 6/10, Alexander 6/10).

7415 PIR, "KQRP"; 0047, fair w/Superman comedy skit; heard again with "President Reagan's news conference" skit (Rigas 7/5); 0218-0256* usual rock mx, ID's, Battle Creek address; f (McLemore 6/22).

7421 VIETNAM Manoi; 1018 Vietnamese, singing & amnts //10060 (Bolland 6/10)

7430 PIR. R. Sinewave; 0307-0337*, political convention parody, mailbag request mx, funded by "FCC grant" (McLemore 6/10, D'Angelo 6/10).
KIWI R. via V. of Laryngitis; *0338-0401*, ID'd as relay from somewhere in USA, countdown s/on, barking seal, Wizard of Oz and Star Wars selections (D'Angelo 6/10, McLemore 6/10). Sinewave-Laryngitis??

7430.5 "KBIR"; 0401* Star Wars parody, good sig (Valko 6/10). = above ones??

7440 GERMANY FR R. Free Europe feeder, 0310 Bulgarian, listed as Holikirchen w/10kw. (Rigas 6/17). ISB xmsn to Gloria, Portugal site -ed.

7449.3 PIR. "KIS"; 0310-0323 mx by Seals & Croft, James Taylor, ID's & BC address; also 0403 on 7/1 7440.5 w/Janis Joplin (Valko 6/24).

7480 CHINA R. Beijing; 1030-1035 JP, IS, ID, nx by W; f (Bolland 6/10).

7600 ECUADOR MD210A; 0300 SP, time station & better than WRNO!(Luce 6/25).

7850 CHINA PLA Fujian Front Station; *0954+ CH, 9-note IS, ID by M&W, harp mx & anthem; program to Taiwan (Park-HI 6/20).

8566 CHINA CPBS-Minorities Languages; *0958+ Korean, 7-note IS & ID's, "Yoggineun gwangjin bangasong imnida", Anthem (Park 6/20). spelled ok?

9114.6 ARGENTINA R. Rivadavia relay (USB); 0035-0100 SP, two men w/reports, poss. sport nx w/remote sport reports, ment. several LA countries, full ID at 0052, canned crowds & mx "hypes" (Jordan 7/3). Fqy: dlw.

9420 GREECE VOG; 0105-0148* GK/EG, local mx (Jordan 6/14, Dillon 6/13).

9455 EGYPT R. Cairo; 0200-0220 AR, Arabic mx w/woman DJ, ID "min al-Qahira", co-channel QRM from VOA (Dillon-DC 6/30).

9455 USA VOA-Greenville; 0250 EG, "VOA Magazine Show" (Park 6/23).

9460 ALBANIA RT; *2200-2227* EG, IS, ID, W w/rapid-fire delivery of mx & cmtry, tlks on Albanian communist party (Jordan 7/2).

9475 EGYPT R. Cairo; 0215 EG, nx, request for reception reports (Dickson).

9495 MONACO TWR; *0700 Russian, s/on rel pgm (Green 7/3).

9500 ALBANIA RT; 2015-2030 FR, opera, Albanian NA, IS; p (Dillon 6/23).

9510 NETH. ANTILLES RN; 0957 DT/EG, hi-life mx, ID (Park-HI 6/18).

9515 MALAYSIA R. Malaysia; 1134 BM, amnts, jingle/ad; p (Bolland 6/19).

9545 BRAZIL R. Universo; 0802-0805 PT, ID, folk mx; f (O'Brien 6/24); 0952-1002 PT, rel pgm, ads, partial ID; f (Bolland-FL 6/14).

9550 CUBA RHC; 0230-0300 FR, LA mx, Paraguay & El Salvador, IS (Dillon).

9550 USSR R. Kiev; 1625 German, into R. Moscow at 1630 (Schulze-FRG 6/10).

9555 MEXICO Ia Hora Exacta; 1232-1240 SO, M&W w/nx, ads (Bolland 6/21).

9560 GERMANY DR RBI; 0225-0235 EG, IS, ID, rock, nx; g (McKellar 6/15).

9560 KOREA PDR RP; 1203 SP, nx by M&W w/Kim Il-Sung items (Park 6/30).

9570 KOREA REP RK; 1420 EG, "Musical Promenade"; excellent (McKellar 6/6).

9570 ROMANIA R. Bucharest; 0200-0230 EG (Weinhold 6/8).

9575 ITALY RAI; 0100-0135 EG/FR to N.Am. (4 reporters).

9575 PHILIPPINES VOA-Tinang; 1635 EG to E.Afr., "Music in Zaire" (Schulze)

9575 USA VOA-Greenville; 0814 EG/FR/Hausa IS, ID, preview (Park-HI 6/25).

9580 AUSTRALIA RA; 1149 EG, pop mx; good signal (Daly 6/16).

9580 CYPRUS BBC W.S. E. Mediterranean relay; 0400 (Green 7/4).

9585 USA WRNO; 0735 EG, Album oriented rock mx (Park 6/24). Sunday only?

9590 CYPRUS BBC W.S.; *0315 Persian, IS, ID; QRM Holland (Trotto 6/22).

9590 MALTA R. Mediterran; 2034-2116 EG, IBRA Radio transcription of Gospel mx, QSL requests to Station F in Toronto; NP? (D'Angelo 6/16).

9590 NETH. ANTILLES RN-Bonaire; 0230-0401 EG/SP to Americas (David, Park).

9595 JAPAN NSB; 1230-1246 JP, M&W w/comments, occasional mx (Bolland 6/22)

9610 NORWAY RNI; 0050 EG, fqy & time sked, IS, ID, s/off (Zilmer 6/28).

9615 INDIA AIR; 1645 Russian, local mx, pop mx (Schulze-FRG 6/10).

9615 S. AFRICA R. RSA; 0230-0257 EG to N.Am. (Dillon 6/8, Park 6/25).

9615 VATICAN VR; 2213-2226* EG, rel history segment including choral singing; ID and s/off (D'Angelo-PA 6/10).

9620 AUSTRALIA RA; 1003-1024 EG, world nx, weather for Pacific Islands, TC, opera mx; 1015 rel pgm (D'Angelo 6/10).

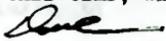
9620 GERMANY DR RBI; 2105 EG to Europe, cool German mx, nx at 2115; weak but fairly clear (Dickson 6/15); 2215-2256 EG, "This is RBI broadcasting to Africa" (Dillon 6/24); 0200-0220 EG to Africa (though this is actually directed to the Caribbean -ed) (Weinhold, Dickson, Gray)

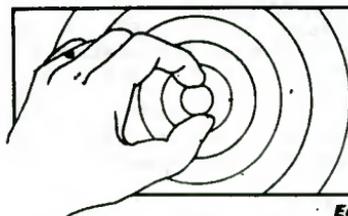
9625 CANADA CBC N.S.; 1203 EG, "World Report" on Canadian unemployment, good (McLemore-FL 7/7).

9630 NETH. ANTILLES RN-Bonaire; 0627 DT, IS, time pips (Park 6/30).

9630 SPAIN SFR; 0000-0100 EG to N. America, "Panorama" (Dillon 6/8, McKellar 6/4, Blanchette 6/6); 0540 EG, history feature (Park-HI 6/25).

- 9635 COLOMBIA R. Nacional; 1130-1200 SP, marching mx, full ID and schedule at 1130, talk about "flamingo" mx (Dillon-DC 6/9).
- 9635 IRAQ Sawt ul Jamaheer; 1820-1847 AR, //9680, 13700, 21585 (Dillon).
- 9645 VATICAN VR; 0510 EG, feature on Swiss Guards; good (McKellar 6/11).
- 9650NF NETH. ANTILLES RN-Bonaire; 1038 EG, IS, ID, Marks w/test broadcast info (Park 6/30); *1040-1125* EG, "Media Network", ann'd test (Jordan 6/21).
- 9660 VENEZUELA R. Rumbos; 1130 SP, LA mx, TC & ID by M (Prath-FL 6/10); 2035 SP, TC, ID "Musica Rumbos", ads, "Aqui R. Rumbos" (Dillon 6/23).
- 9665 SAIPAN KYOI; 1625-1735 JP/EG, rock "music from Los Angeles", into EG at 1730 (O'Brien 6/17, Schulze-FRG 6/10).
- 9665 USSR R. Kabul; *1730 unid. lang w/ID, ment. "Hindikush" (Schulze).
- 9675 EGYPT R. Cairo; 0110-0130 EG, instrumental mx, //9475 (Jordan 6/25); 0213 EG, Egyptian mx, "Spotlight on the Middle East" (McLemore 6/27).
- 9675 JAPAN NHK; 1300-1330* EG, ID's, mx, "Current Topics" (Bolland 6/16).
- 9675 USA XGEI; 1040-1100 RS, rel songs, organ mx, ID (Bobbs-MN 7/4).
- 9680 IRAQ Sawt ul-Jamaheer; 2050 AR, drama in colloquial AR, ID by W, "Sawt ul-Jamaheer min Baghdad", QRM Moscow 9685 (Dillon-DC 6/23).
- 9730 GERMANY DR RBI; 0000-0045 EG, IS, ID, M w/nx of visit to GDR by Nicaraguans; sports report; "Land We Live In" (Enkenhus 6/22).
- 9735 PARAGUAY R. Nacional; 1218 SP, ID, slow LA mx (Daly 6/16); 1230 light LA mx, vocals, ID by M (Prath 6/24); 2310-2330 SP, "Emissora Radio Nacional, Asuncion, Paraguay" (Dillon 6/24); 0204 ID, mx (Field 6/19).
- 9760 UK BEC; *0500-0510 Polish, 4-note IS, nx (Trotto 7/6, Park 6/24).
- 9765 ECUADOR HCJB; 1150-1205 SP, ID, nx, time pips (Trotto 6/21).
- 9770 NETH. ANTILLES RN-Bonaire; 0750 EG, last Media Network for this season; QRM Pyongyang 9765 (Park-HI 6/21).
- 9780 USSR RM W.S.; 2000-2030, bells, ID, nx, "News & Views" (Dillon 6/10).
- 9815 ISRAEL KI; 2330-2400 EG into Hebrew (Dillon 6/19, Daly 6/16).
- 9825 UK? BBC; 0730 English By Radio to 0745 s/off (Field 6/14).
- 9835 HUNGARY RB; 2010-2015 EG, current events in Hungary (Nathanson 6/7); 0100-0130 EG, cmntry (Dillon 6/14); 0210 EG, where Hungarians spend their holidays; ID at 0219; good (Gray 6/9).
- 9840 VIETNAM VOV; 1103-1128* EG, nx, cmntry, lcl mx, ID (D'Angelo 6/17).
- 9840 KUWAIT RK; 0025-0124* AR, Qu'ran recitations (3 reporters).
- 9850 EGYPT R. Cairo; 2330-2349 AR, nx read by W, ID (Dillon 6/26).
- 9865 GREECE VOG; 0050 GK, MAW, mx, ID "Edo Athine" (Dillon 6/20); 0122 Greek, folk music; fair (Blanchette-FL 6/28).
- 9870 SAUDI ARABIA BSKSA; 2230 Arabic, world news (Green 7/4).
- 9885 SAUDI ARABIA BSKSA; 2200-2220 AR, life story then ID (Trotto 6/10).
- 9885 SWITZERLAND SRI; 0140 EG, IS, time pips, "Dateline"; g (McKellar 6/23); 0145-0215 EG, ID, nx, "Dateline Tuesday"; //6135, 9725 (Dillon); 0145-0215 EG, IS, pips, intro mx, ID by W, "Dateline Pgm", world nx (Jordan 6/19); 0145 EG, nx (Weinhold 6/8).
- 9925 BELGIUM BRT; 2232-0111* DT/SP/DT/EG to Americas (5 reporters).
- 10040 CHAND LV del CID; 0415 SP, ID, rock mx (Daly 6/17).
- 10060 VIETNAM VOV; 1018 VT, W singing w/anmts by M; f (Bolland 6/10). 1100-1130 VT, MAW into nx, into radio play (Jordan 7/3).
- 11600 CHINA RB; 1615 EG, political reports, local mx (Schulze 6/3).
- 11620 BELGIUM BRT; 0030 EG, Antwerp talk, weather (Dickson 7/4); 0037-0114* EG, sports, rock mx, ID, soccer talk, NA & s/off (Dillon 7/1).
- 11620 INDIA AIR; 2004 EG, nx, pro-gov't commentary on Punjab (Park 6/30).
- 11640p CHAND R. Iran; 1838-1915 presumed the one w/long Farsi exhortations by M, w/recurring instrumental tune every few minutes; reverb ID at 1900 & more strident talk; fair & unjammed (Reinstein-FL 6/24).
- 11645 GREECE VOG; 0115-0130 GK into EG to N.Am. (Dillon 7/1, Weinhold 6/27)
- 11655 ISRAEL KI; 1940 FR, Hebrew & Arabic songs, nx summary (Dillon 6/6); 0115-0125 EG, mx, ID, IS & off (Dickson 6/23).
- 11665 AUSTRIA ORF; 0359 GM, IS w/various lang ID's (Vadino 6/2).
- 11675 KUWAIT R. Kuwait; 1955-2103 EG, "Studies in the Mosque", rock/disco mx, ID, "Choice of the Week", s/off w/NA; f (Dillon 6/6); 2000-2100* EG, Top 40 and Monty Python; anthem at s/off; weak (Luce 6/20); 2005-2100 EG, W w/poetic reading & classical mx, 2031 ID, "Readers Digest" w/pop mx and scientific trivia on why sun is red at sunset etc., ID at s/off; good (Enkenhus-MD 6/23).
- 11695 CHAND?? Voice of the Libyan People; 2057-2147 AR, 2057-2147 AR, speech by Man, AR mx, tlk about Libya, ID is something like "Sawt ush-sha'ab il-Libyyi!"; jammed (Dillon 7/1). Or maybe Libya itself?? -ed.
- 11695 FRANCE RFI; 2302-2310 FR, nx headlines, French pops (Walcutt 7/24).

That's it for another month. Loggings a bit down this time, which I guess is to be expected this time of year. 73, 



LOG REPORT

section D

11700 and above

Editor: Wallace C. Treibel, 357 N.E. 149 St., Seattle, WA 98155

Another heavy influx of reports this month so we will not repeat listings reported in the July issue. For a total update, refer to last month's issue

- 11700nfr INDONESIA RRI Jakarta 1230-1410in IN, western influenced mx, ID, IS, at 1400, exc/gd (Zilmer 7/1, Sharpe 6/6)
- 11700 DOMINICAN REP. R. Clarin all SP, Michael Jackson mx, ID, 1645-1750 (Jordan 5/31) 2351-0130 (Dillon 6/27, Bobb 5/20)
- 11705 SWEDEN RSI 0230-0259 in EG, nx, wx, DX pgm (Dillon 6/6, Walcutt 6/5)
- 11705 SPAIN REE 0330 in SP, DX pgm, skeds, g (Wood 5/6) New freq.?
- 11705 FRANCE RFI 2030-2100 in FR, Afro mx, interview, f (Dillon 5/7)
- 11710 ARGENTINA RAE 0003 in SP w/nx (Levison 5/20)
- 11715 SWITZERLAND Red Cross BS *0000-0020* in SP, trumpets introduction, rpts, interviews, ID, g/exc (Jordan 5/28)
- 11720 USSR R. Kiev widely rptd fr *2330- 0330 in EG, nx, cmntry, and prop-aganda (Weinhold, Bickson, Dillon, Gray, Alexander)
- 11720 USSR R. Vilnius *2200-2230* in EG, ID, nx, cmntry on Soviet position on part in Olympics, interviews (Jordan 5/11)
- 11720 USSR Radiostantsiya Rodina 2230 in RS, nx, g (Brandi 5/14)
- 11730 SPAIN REE 0556 in SP, IS, fanfare, nx, QRM fr USSR (Park 5/29)
- 11735 GUAM KTRW 1033-1100 in Mandarin, CH mx, ID, f/out 1100 (Dillon 5/7)
- 11735 USSR RMWS 2300-0030 in EG, nx, ID, propaganda (Dickson, Dillon)
- 11740 USA V of Free China relay by WYFR 0240-0245 in EG, g (McKellar)
- 11750 BULGARIA R. Sofia 2143-2200 in EG, pgm skeds, interview w/man who collects cameras (Dillon 6/10) also in EG at 0410 w/interview (Gray)
- 11750 USSR RMWS 2300-2400 in EG, nx, mailbag, tk, QRM fr BBC (Dillon 6/10)
- 11750 SINGAPORE BBCWS relay 1000 in EG, ID, mx, DJ host (Dillon 5/18)
- 11755 USSR RM Vladivostok* 0600-0630 in EG, mailbag (Park 5/25, Sharpe 5/27)
- 11770 USSR R. Kiev 0200 in EG, nx (Dickson 6/2)
- 11775 ANTIGUA BBC relay 1310-1625 in EG, nx, soccer (Dillon 5/9, Brandi 5/19, Blanchette 5/5)
- 11775 CANADA BBC relay 1650-1710 in EG, ID, nx, s/off 1710, vg (Dillon 6/5)
- 11780 USSR RMWS 0330-0400 in EG, nx, cmtry on human rights in USSR (Dillon)
- 11780 SEYCHELLES FEBA 1758-1803* in Oromo, Ethiopian mx, IS (Park 5/5)
- 11785 ANTIGUA DW relay 0845-0900 in GM, tk, GM mx, IS, ID, f/g (Bobb 5/17)
- 11789 ALASKA KNLS 1815 in EG, ad for Bible course then Glen Miller mx (Gray)
- 11790 INDONESIA V. of Indonesia 1300-1600 in EG, FR, AR, nx, mx, lang lsns, (Luce 7/4, Paszkiewicz 6/24, McKellar 5/14, Trotto 5/19)
- 11800 SAUDI ARABIA BSKSA 2015 in AR, //9870, ID, f (Reinstein 6/24)
- 11800 ITALY RAI 1935-1945 in IT, soccer match (Brandi 5/30); 0110-0120 in EG, ID, mx, ID, opera into FR (Dillon 5/31, Gray 7/4)
- 11800 SEYCHELLES FEBA 0305-0315 in lang, 0401 in EG (Jordan 6/8, Park 6/23)
- 11805 USA AFRTS 1345-1355 in EG w/military svc commercials (Trotto 6/21)
- 11810 SOUTH KOREA RK *1600 IS, KR, EG ID, into EG nx by US ann who used to be w/AFKN (Wood 4/29) 1850 in KR/AR, "Newslines" (Park 5/23)
- 11810 INDIA AIR 1340-1350 in EG, ID, nx, cmtry, mx, g (Trotto 6/2)
- 11815 JAPAN R. Japan hrd at 1300 and 1500 in EG, nx, ID (Bolland, Trotto)
- 11820 USA WYFR 2140-2150 w/religious pgm "Echoes" (McKellar 6/9)
- 11830 USA VOA/UN "LV dela OEA(OAS) *2345-2400 in SP, nx, mx (Bobb 5/14)
- 11835 SRI LANKA SLBC 1035-1100 in EG, nx, ID, p (Trotto 5/25)
- 11835 URUGUAY R. El Espectador 1025-1051, ID 1028, all SP (Reinstein 6/25)
- 11840 GUAM KTRW 0854-0924 in EG, relig tk, mx, DX pgm (Dillon 5/19)
- 11840 USSR RM 1940 in EG w/"Your Top Tunes", exc (Blanchette 5/12)
- 11845 CANADA RCI 0230 in FR, nx, "Allo DX", mailbag, ID (Park 6/18)
- 11850 BULGARIA R. Sofia 2130-2200 in EG, DX pgm (Weinhold 5/18)
- 11850 USSR RMWS 2230-2300 in EG, features on Soviet life (Dillon 6/10)
- 11850 ALASKA KNLS *0700-0900 in EG w/big band mx, ID's, class mx, ex 9685 and ex 11940 (Park 6/5, Luce 6/28)
- 11855 BRAZIL R. Aparecia 0941-0950 in PT, mx, f (Bolland 6/10)
- 11860 USSR R. Minsk Byelorussian to Europe *1700-1729* in RS, organ mx, nx, tiks, interviews, IS at 1729, anthem (Jordan 6/23)

11865 SEYCHELLES FEBA 1225-1316 in EG/Malaysian, Asian nx, ID, relig
pgm, //15325, QRM jammer 11875 (Park 6/24, Bolland 6/22)

11865 WEST GERMANY Portugal relay 2005-2010 in HG, nx (Nathanson 6/7)

11870 USSR Far East relay RM 0900 in CH, ID, QRM R. Japan 11875 (Park 6/24)

11870 BULGARIA R. Sofia widely rptd 2230-0100 in EG, DX pgm, strong QRM,
(Weinhold 6/23, Gray 5/20, Levison 5/20, Enkenhus 6/18, Dickson 5/14)

11875 JAPAN R. Japan 0905 in EG, "Hello Australasia" (Park 6/24)

11875nrf NETHERLANDS ANTILLES 1148-1200 in EG, relig smn, mailbag, ID, TC's,
birthdays of famous people (Levison 5/17, McLemore 6/8)

11880 NORTH KOREA R. Pyongyang 1405-1410 in EG, nx (McKellar 5/9)

11895 WEST GERMANY Radio Free Europe in HG at 1940, nx (Nathanson)

11895 SEYCHELLES FEBA 1530-1607 in EG, sermon, //15325, (Wood 5/9, Park 6/23)

11900 SOUTH AFRICA RSA 0500 in FR, mx, QRM fr several stas (Park 6/23)

11905 ITALY RAI 2255 in IT, ID, pop mx, tlks, //9575 (Prath 6/16)

11905 EGYPT V. of Arabs 0400 AR ID, TC, AR mx, QRM Italy (Wood)

11910 HUNGARY R. Budapest 2015-2025 in EG, DX pgm, ID, IS (Dillon 5/11)
2330 in HG, IS, s/on w/ID, nx, mx, //9835 (Prath 5/26)

11910 ECUADOR HCJB 1205-1235 in SP, instrum mx, ID, rel tk (Dillon 6/10)

11910 UNITED KINGDOM BBCWS 2300 in EG, nx, cmtry, g (Dillon 5/9)

11930 CUBA R. Havana widely rptd w/pgms in EG fr 0100-0315, interviews
Weinhold 6/23, Dickson 6/8, Gray 6/5)

11940 ROUMANIA R. Bucharest 0404 in EG, nx, ID, features (Gray 6/3)

11940 SINGAPORE SBC 1013-1605* in EG w/US mx, ads, nx (Bolland 6/9, McKellar)
6/22

11945 CANADA RCI 2130 in EG, nx, first time hrd in Hawaii @ 1130 (Park 6/23)

11950 JAPAN R. Japan 0915 s/on in JP, IS, nx (Prath 6/10)

11955 UNITED ARAB EMIRATES Dubai 1855-1925 in AR, AR mx (Jordan 5/31)

11960 NEW ZEALAND RNZ widely rptd in EG fr 0500-1200, nx, w, features
(Bolland 6/22, Bobb 5/26, Jordan 6/10, Gray 6/1, Brandi 5/19, Daly)

11960 ECUADOR HCJB 0315-0335 in SP, nx, ID, tlk, g (Dillon 5/28)

11960 USSR R. Kiev 2330-0000 in EG, DX pgm (Weinhold 5/16)

11960 USSR R. Rodina to NA *2230-2315 in RS, IS, ID, nx, mx, f (Dillon 7/1)

11960 USSR R. Vilnius to NA *2159-2230* in EG (Dillon 7/1, McLemore 5/26)

11965 PHILIPPINE IS. VOA relay 1340-1400 in CH/EG, lang lessons (Enkenhus)

11965 TURKEY VOT 2210 in EG, "Newsreel", ID, pop mx, vg (McLemore 5/26)

11985 NORTH KOREA R. Pyongyang 0535 in FR, //11660, tlk (Park 6/25)

11985 BELGIUM BRT *0420 IS, 0430 into DT nx, g (Wood 5/9)

11990 USSR Mayak *1200 in RS, IS, nx (Prath 5/12)

11995 FRANCE RFI 2150-2300 in FR (Jordan 5/23) 0030 in SP to LAm (Dillon)

12000 USSR R. Moscow 0320-0332 in EG, relay LV de Nicaragua (Muzyka 5/23)

12015 MONGOLIA R. Ulan Bator *1200-1231 in EG, IS, ID, mx, spotty receipt
(Cunningham 5/25, Jordan 5/7)

12015 USSR R. Rodina *0100 in RS, IS, ID, nx, g (Trotto 5/29)

12035 SWITZERLAND SRI 1320 in EG, Swiss mx (Dickson 6/24); 2205 in EG
(Prath 5/13); 2015 in SP (Jordan 5/5); also 0437 & 1840 (Nathanson) Park

12040 UNITED KINGDOM BBC 2130-2200 in EG, Falkland Is. Svce (Jordan 5/8)

12060 USSR RMWS 2000-0000 in EG, nx, views, mx, //12050 (Dillon, Park, Dickson)

12070 USSR R. Peace & Progress, 0000 in SP, nx & tlks (Dickson 7/1)

12070 USSR RMFE 0742 in EG/RS, nx bulletin in EG, RS mag show (Park 6/23)

12070 USSR RM to ENA 2040-2105 in FR, EZL mx to 2100, //12040 (Dillon 6/12)

12085nrf SYRIA R. Damascus 2008-2135 in AR, several rpts of strong signal
fr this new outlet, AR mx, ID, nx, Herb Alpert tune, s/off at 0044
per Reinstein on 6/24 (Jordan 6/25-7, Rigas 7/7, Alexander 6/24)

13670 SOUTH KOREA RK 0857-0400* in lang, choir singing (Park 6/20) ED: Has
anyone else hrd RK on this unusual frequency?

13700 IRAQ R. Baghdad hrd fr 1755-2143+ in AR, Big Ben TC, // 9745, 21585
(Jordan 5/31, Vadina 6/9, Zilmer 6/2, Reinstein 5/20)

13720 ISRAEL Kol Israel 0502-0520 in HB, nx, interview, f/p (Jordan 7/3)

13745 ISRAEL Kol Israel 1930-2000* in FR (Jordan 5/13) *2300 in EG (Prath)

13797 ICELAND ISBS rptd fr 1850-2028* in Icelandic lang, ID at 2025, IS at
1859 (Jordan 6/23, Enkenhus 5/20, Vadino 5/6, Nathanson 6/22, Brandi)

14805 ECUADOR HCJB 0445-0500* in EG, unannounced freq, usual pgms (Jordan)

15040 UNIDENTIFIED 0054 in AR, tk in AR by YL ED: About 5 years ago, Saudi
Arabia was located on 15038. Wonder if they're back here? (Rigas)

15040 CHINA R. Beijing *1700 in RS, ID into nx, then heavy jam, better
on 15140 which was in //, f (Wood 5/22)

15060 ECUADOR HCJB 0114 in EG, into SP at 0130. Another unannounced freq
by this station. Spur? //15250 (Hardester 6/5)

15095 CHINA R. Beijing *1500 in Pushtu to Afghanistan, nx, heavy jam, into
Swahili at 1700, no jam (Wood 5/24) *1830 in FR, IS, ID, nx (Park)

- 15105 MOROCCO RTVM 2120+ in PT w/gd sig until 2130 DW s/on (Reinstein 5/22)
 15105 USA VOA Greenville UN Radio 0550-0600 in EG to Afr (Trotto 6/9, Park)
 15120 SRI LANKA Adventist World Radio 1100 in EG, jamming (Park 6/3)
 15125 PORTUGAL RP 1236-1250 in PT, Latin mx, g (Nathanson 6/10)
 15125 SAIPAN KPBS 2329 in VT, relig tk, VOFC co-channel (Park 6/29) ED:
 Last month this one was reported on 15110 & 15115. They must be
 trying to avoid the QRM w/o much success.
- 15125 TURKEY VOT *1255 IS, 1300 into Urdu, ID, nx, QRM, f (Wood)
 15135 BRAZIL R. Record 1005-1030 in PT, breezy tlk by M ancr, ID at 1013,
 Brazilian vocal & instrumentals, f-p (Jordan 5/10)
- 15140 CHILE R. Mac de Chile 0030-0404* in SP, ID, cmtry, ads, political
 tlks (Enkenhus 5/21, Dickson 7/2, Daly 5/9, Bobb 5/22, Dillon 5/25,
 Jordan 6/7, Paszkiewicz 5/21)
- 15145 USA WINB Red Lion, PA. 0137 in EG, pledge drive, QRM HCJB (Park 6/28)
 15150 CANADA RCI 2130 in EG, ID, nx, SWL'ers Digest, exc (Park 5/26)
 15155 USSR Far East Peace & Progress 1100 in CH, IS, ID's, QRM VOA (Park)
 15155 EGYPT R. Cairo *1530 IS, "Aida" mx, ID in Somali, nx, g (Wood)
 15155 ECUADOR HCJB 0100-0340 in EG, DX pgm, rel pgmg, EZL mx, tlk about
 alcoholism (Weinhold, Park, Muzyka, Gray, Dillon)
- 15170 WEST GERMANY R. Free Europe 1330-1940 in RM, nx (Nathanson 6/7)
 15175 NORWAY RNI 1300 in EG, "Norway Today", nx & views (Zilmer 5/27)
 15180 FRENCH GUIANA RFI relay widely reported fr 2300-0350 in FR & SP,
 frequent ID's, time pips, nx, sports tlks. Per WRTH Newsletter
 this and 15435 are from the new RFI relay site at Montsinery. Listed
 at 500 kw (Hardester, Dillon, Daly, Enkenhus, Dickson, Park, Rigas,
 Jordan, Green, Trotto, McLemore)
- 15190 CANADA RCI 0201 in EG, nx, SW pgm, QRM fr 15195 (Park 6/25)
 15190 CONGO La Voix de la Revolution 2249-2259* in FR, Afro mx, ID at 2255,
 freq amnts, brief speech & anthem at s/off (D'Angelo 5/29)
- 15200 IRAQ R. Baghdad 2120-2145 in AR, //9680 & 13700, mideast mx, exc
 in Florida (Reinstein 6/24, Jordan 6/15)
- 15205 NORWAY RNI 1300-1323 in EG, nx incl warning not to bring your pet to
 Norway or you'll be fined \$1200 (Dillon 7/1) *2300 in NO, IS, ID in
 NO and EG into NO nx (Prath 6/24)
- 15205 BRAZIL VOA relay 1315 in SP, sports rpt, QRM fr R. Japan (Park 6/26)
 15215nf BULGARIA R. Sofia *0400-0412 in EG to Africa, //11720, nx, tlks,
 items on arms race concerns, pro-Soviet views (Jordan 6/18)
- 15220 SOUTH AFRICA RSA 0657 in EG, "DX Corner", "Good Morning Africa" (Park)
 15220 USSR RMNS-Far East 0928 in EG, anti-US tlks, nx (Park 5/29)
 15225t TUNISIA RTT 1900-1945 in AR, AR vocals & tlks, tent ID (Jordan 5/5)
 15225 AUSTRIA R. Austria 2200 in GM, nx, "Made in Austria" (Zilmer 5/18)
 15228 INDIA AIR 1030 in EG, "Best of Faithfully Yours", DX'ers Corner",
 mx, "Press Review", f-p (Park 5/28)
- 15230 AUSTRALIA ABC Melbourne 0505-0540 in EG, classical mx (Jordan 5/7)
 15235 JAPAN R. Japan 1820 in EG, cmtry, interview, g (Wood 5/24)
 15235 LIBYA V. of Greater Arab Homeland 1740-1750+ in AR, chants (Jordan)
 15240 SWEDEN RSI 1800 in FR to Africa, messages to Chad, g (Wood 5/6)
 15240 EAST GERMANY RBI 1225-1230 in EG, tlk of a world-wide club of nuclear
 peace, into nx in AR (Nathanson 6/10)
- 15250 PORTUGAL RDP *1800 IS, chimes, anthem, EG nx, f (Wood 5/4)
 15250 BANGLADESH RB 1730 in Urdu to Pakistan, nx, g (Wood 5/19)
 15250 ROMANIA R. Bucharest *1300-1330 in EG, nx, cmts, (Bolland, Dillon)
 15255t AFGHANISTAN 1520-1545 in lang, poss ID & freq amnts at 1530, per
 Speedxgram #139 this xmtr is on USSR site (Jordan 5/31)
- 15260 JAPAN Far East Network AFRTS 0645 in EG, UPI nx, sumo tourney cvge,
 "AT 40" pgm, p (Park 5/19)
- 15260 CANADA BBCWS relay via Sackville 1643-1700 in EG, f-g (Dillon 5/11)
 15260 CANADA RCI 1810-1900 in EG, folk mx, Maple Leaf story (Dillon 7/1)
 15265 FINLAND RF 1800-1807* in FN, church sves, ID (Dillon 7/1) RF's sked
 lists 15270 for this xmsn
- 15265 GUAM KTWR *2228 in CH, IS, ID, relig pgm (Park 6/12)
 15270 AUSTRIA ORF *0700-0715 in GM, IS, ID, nx, g (Trotto 6/18)
 15270 BRAZIL R. Nacional EG at 1100 "Sunday Special", ex-15280 (Park)
 2130-2150 in PT, ID, tlks, mx, g (Enkenhus 5/21) in FR *2000 (Wood)
 15270 RWANDA DW relay 0000 in GM, nx (Green 7/1)
- 15280 INDIA AIR 1700 in EG, Indian mx, hum mod due to Bombay relay of
 Delhi, g (Wood 5/24)
- 15300 JAPAN RJ 000-0100 NA service, //17825, QRM Switzerland (Hardester)
 0545 in EG, "Asian Business Trends", nx, jamming (Park 6/2)

15300 UNITED ARAB EMIRATES Dubai 1630 in EG w/nx about oil tankers attacked in Gulf (Gray 6/5) 1705 in AR, AR mx (O'Brien 6/19)

15300 CUBA RHC 0130-0300 in EG, DX show, nx (Dickson 6/2, Gray 6/5)

15305 GREECE Rhodes VOA relay 1922-2003 in AR, US pops, nx (Enkenhus 5/27)

15305 NORTH KOREA R. Pyongyang 1430 in FR, t1k, mx, IS & ID (Zilmer 7/2)

15305 PHILIPPINES AFRTS 22 40 in EG with "USA Today" pgm (Zilmer 6/29)

15310 ITALY RAI xmsn to Canada *1400-1425* in IT, ID, IS, f (Jordan 5/27)

15310 OMAN BBC relay 1310 in EG w/"24 Mours", QRM 15305 (Park 6/26)

15315 GABON R. Japan relay via Moyabi *0400-0600* in JP/EG/FR, apologies from announc on three dates regarding pgm interruption due to circuit breakdown, mx filler (Park 6/2, Wood 5/4, Jordan 5/6)

15315 NETHERLANDS ANTILLES RN relay 0000-0225* in SP, singing ID, t1k about oil exploration, QRM 15320 (Dillon 5/30, Park 6/30)

15320 INDIA AIR 1010 in EG, cmtry about New World info order (Park 6/28)

15325 USSR RM 0000-0400* in SP, xmsn to Cuba, LA mx (Jordan 5/7, Dickson)

15325 UGANDA RU 0410-0432* in FR/vern, 2 lengthy mx sels, ID (Jordan 6/13)

15330 ITALY RAI 0350 in EG, nx to ANZ, FE, //11905, 17795, g (Wood)

15340 NETHERLANDS ANTILLES Bonaire TWR 0220-0230* in SP, nx, ID (Dickson)

15340 MEXICO RMI 0120-0139 in SP, "Editorial de semana" on visit of Pres to Canada, ID 0135, g (Enkenhus 5/13)

15360 FRANCE RFI 1820-1826 in FR, US pop mx, g (Nathanson 6/22)

15365 CANARY IS. RN de Espana relay 2200-0010* in SP, IS, ID, xmsn to So and Cent Amer (Green 7/1, Bobb 5/29, Daly 6/24)

15370t ALGERIA RTVA 1751-1810 in AR/FR, "Casbah" type mx, then mournful reed instrument, AR mx by full orch, poss ID at 1759 (Jordan 5/5)

15375 SPAIN REE 2000-2027* in EG/SP, current affairs (Bobb 5/8, Wood)

15375 SOUTH KOREA RK 2115 in AR, freqs, mx, QRM jammers (Park 6/30)

15385 CHINA R. Beijing 0100-0200 in EG, nx, CH sports, ID, mx (Dillon 5/12)

15400 ASCENSION IS. BBC Relay 1700-1745 in EG, features, nx (Dillon, Park)

15405 USSR R. Vilnius 2200 in EG, freq sched, nx, mx, f (Zilmer 6/1)

15420 UNITED KINGDOM BBC 0210 in EG, nx, press review, sports (Dickson)

15420 CYPRUS BBC Relay 1300 in EG, nx and World Service (Wood)

15425 SRI LANKA SLBC 0030-0045 in EG, ID, mx, rock-oriented, ID (Trotto 6/1)

15435 FRANCE RFI 2300 in SP, nx, xmsn to South & Cen Amer (Dickson 7/3)

15440 USSR RM 1650-1655 in EG, "Your Top Tunes", exc (McKellar 6/17)

15445 PHILIPPINE IS. VOA Relay 1735 in EG, "Now Music USA", p (Park 6/28)

15450 PHILIPPINE IS. FEBC Manila 1430 in EG, nx, relig pgm (Zilmer 7/1), 2330-0000 in EG, nx (Weinhold 5/30), 0327 in EG, relig pgm (Park)

15450 EAST GERMANY RBI 1430 in EG, nx, cmtry, mx, f (Zilmer 7/1)

15495 KUWAIT R. Kuwait 1214-1217 in AR, exc (Nathanson 6/10), 1440 in AR relig chants (Daly 5/28), 1720-1735 in AR, poss ID at 1728, AR nx (Jordan 5/8), 0110-0200 in AR, t1k abt Islam (Dillon 6/23), 0254 in AR, Qu'ran rdng, pips, ID, fanfare, nx, QRM fr 15500 (Park 5/23)

15505 PAKISTAN RP 1704-1725 in EG, nx of Pakistan & ME, ID 1715, another ID at 1725 after vocal in local lang. WRTH lists 15500 (Enkenhus 6/10)

15520 CHINA R. Beijing 0000-0138+ in EG, nx, ID, CH/EG lessons, features, (Dickson 6/19, Levison 5/18, Daly 5/9, Dillon 5/12, Enkenhus (5/15) 1200 in EG, nx (Green 6/1)

15520 USSR R. Peace & Progress 1632-1652 in EG, nx, cmtry on visit of S. African PM (Brandt 5/31, Park 6/23)

15520 USSR R. Moscow 0225 in SP, ID, nx, xmsn to LA (Dillon 5/30)

15535 SPAIN REE 1700 in SP, sports, QRM Moscow on same freq (Wood 5/22)

15540 USSR R. Moscow 1942 in EG, t1k on culture in Auton reg (Park 6/24)

15555 CLANDESTINE R. Vatan 1801-1822* in Farsi, ID, AR type mx suddenly gone at 1822. Hrd next coule days at 1630 s/on (Valko 5/7)

15560 MADAGASCAR RN Relay 1033 in DT (Park 6/30) 1145-1225* in IN (Bobb)

15565 USA WYFR Family Radio 1945 in GM (Dickson) 2040 in EG (Levison)

15570 MADAGASCAR RN Relay 1532 in DT, nx, //21480 (Vadino 5/5)

15615 ISRAEL Kol Israel 1158-1200 in HB, nx, commercials (Nathanson 6/10)

15635 GREECE VOG 1920 in EG, nx, cmtry on 6/17 elections (Blanchette 5/22)

17605 NETHERLANDS RN 1900-1920 in FR, drama, singing ID 1919 (Dillon 7/1)

17630 ISRAEL Kol Israel 1150-1208 in HB, home svce, mx, ID, g (Dillon 5/25)

17650 CHINA R. Beijing 0255 in CH, ID only thing understood (Hankins)

17660 SPAIN REE 1920-1930* in SP, nx, sports, ID, freqs (Dillon 7/1)

17685 ISRAEL Kol Israel 2135 in EG, nx cmtry, //9815, 11655, 15585 (Prath 6/2)

17700 EAST GERMANY RBI 1125 in EG, nx, pol tlks (Prath 6/2)

17705 CZECHOSLOVAKIA R. Prague *1455 IS, into CZ 1500, ID, nx (Wood 5/6)

17705 CUBA RHC 2117-2134* in EG, ID, t1k on baseball in Cuba (Dillon 6/24)

- 17710 AUSTRIA ORF 1700 in GM, ID, nx, //6155, g (Wood 5/6)
- 17710 USSR R. Havana relay, *1455 IS, 1500 into AR, ID, nx, g (Wood 5/8)
- 17710nf NEW ZEALAND RNZ 0250+ in EG, rugby match, TS 0300, (McLemore 6/6)
- 17711 COLOMBIA R. Nacional 1430+, Latin church mx, f (Reinstein 5/27)
- 17715 AUSTRALIA RA 0140-0230 in EG, country western mx, ID 0200, stock reports (Dillon 5/26, Jordan 6/7) 0500-0515 football match. WRTH Newsletter rpts that this xmtr is located at Carnarvon w/partial sync. to Darwin's 250 kw. xmtr. (Jordan) thanks for info, Rufus
- 17720 IRAQ Swat ul Jamaheer, 0415 in AR, ID, children's choir (Wood)
- 17722 CUBA RHC noted here w/rpt in EG at 2100, tlk on Olympics boycott by East Bloc countries, //17705 (Hardester 5/11) ED: Has anyone else hrd this split freq xmsn?
- 17730 USA VOA Bethany 0013 in EG to Lat Amer, int nx (Hankins)
- 17730 USA WINB Red Lion, Pa. 1814-1836 in EG/GM, "The Trumpet Sounds" pgm, full ID at 1830 (D'Angelo 6/17)
- 17735 IRAQ swat ul Jamaheer 0320 in AR, interview w/minister, g (Wood 5/8)
- 17735 USSR Mayak *1400 in RS, IS, s/on w/ID and nx (Prath 5/12)
- 17740 CHINA R. Beijing 0200 in CH, IS, ID, tlk, nx?, f (Dillon 5/26)
- 17745 EGYPT V. of the Arabs 1200 in AR, ID, TC, AR mx, g (Wood 5/10)
- 17750 CUBA RHC 1958-2002 in SP, ID, LA mx, nx, f (Dillon 7/1) 2115+ in EG, instrumental mx, g (McKellar 6/14)
- 17755 BRAZIL R. Nacional 1856 in SP, SP mx, cmtry (Levison 5/29)
- 17765 SWITZERLAND SRI 1315-1345 in EG, IS, ID, TC, nx, f (Dillon 6/10)
- 17765 USA VOA Delano 0120 in EG, baseball game (Park 6/30) 0217 w/NBC nx, ad ffr overseas servicemen to vote, f (Dillon 5/26)
- 17775 UNITED ARAB EMIRATES R. Dubai 1145 in AR, AR mx, //21695 (Prath 6/2)
- 17780 USA VOA Greenville 0225 in SP to LA, tlk about exporting bananas from Honduras, ID at 0230, then nx (Dillon 5/26)
- 17795 AUSTRALIA RA 0300 in EG, nx (Green 6/1)
- 17800 WEST GERMANY DW 1240-1250 in EG, disc of the econ & pol implications of the Iran/Iraq Persian Gulf bombings, ID's, QRN, f (Jordan 5/19)
- 17810 ANTIGUA DW relay 2030-2053 in GM, nx headlines, IS, ID (Dillon 7/1)
- 17815 TURKEY VOT 0330 in EG, DX Corner read by YL annrc who didn't know the difference between MW & SW, moved from 17725 to avoid QRM from R. Beijing, g (Wood 5/6)
- 17835 USSR RMWS 0000-0020 in EG, Kremlin chimes, nx, cmtry (Prath, Dickson)
- 17840 SWEDEN RSI 0226-0257* in EG, disc of SW mx, mx selections, IS, ID's, EG service on SSB (Jordan 6/18, Jones 5/27, Brandi 6/1) 1600 in EG w/nx to S. Asia, f (Zilmer 6/6)
- 17840 PAKISTAN RP 0225-0245* in EG w/xmsn to SE Asia/FE, nx, latest developments on downing of Korean Flight 007, India's Sikh problms, Pakistan nx, p (Jordan 6/18) Odd Oriental mx, definite ID (Hankins)
- 17850 ROMANIA R. Bucharest *1500+ in EG to Asia, nx, cmtry, QRM RFI, f (Zilmer 6/21, Wood 5/8)
- 17860 USSR R. Vilnius 2220 in EG, request pgm, pgm preview (Park 5/28)
- 17860 USSR R. Kiev 2330-2400* in EG, "Kiev Mailbag", nx, contest info, (McKellar 5/28, Park 6/23)
- 17860 USSR R. Moscow 0030-0100 in RS, ID "Govorit Moskva", nx, interviews, spec rpt, mx fill, vg, // 15405, 11960 (Jordan 5/15)
- 17860 USSR R. Yerevan 0253-0256 in EG, "You are listening to a summary of the Armenian Radio Hour", contest details, nx (Jordan 6/1, Green 6/4, Paszkiewicz 6/23)
- 17865 AUSTRALIA RA 0600 in EG, ID, list xmtg freqs, nx, g (Wood 5/8)
- 17871nf TUNISIA RTT 2210-2331* in AR, exc sig w/non-stop AR mx. One pip & AR mx, ID "Idha't ul Jumhuriya at Tunisia", nx in AR to 2325, ID again, then Qur'an to s/off. No anthem (Reinstein 5/26, Jordan 5/21)
- 17880 PORTUGAL RDP 1200 in PT, ID, nx, QRM Moscow, f (Wood 5/10)
- 17880 FINLAND RF *1500-1600* in FN, IS, ID, nx (Jordan 5/26, Wood 5/8)
- 17880 ASCENSION IS. BBC relay *1600-1645+ in EG, nx sports (Jordan 5/26)
- 17885 BRAZIL VOA relay 1349-1400 in SP, world nx, ID (Enkenhus 6/24)
- 17885 CYPRUS BBC relay *0855 IS, local ID, 0900 into WS, EG nx, this freq reactivated after "industrial action" (strike), this is the last struck freq to be reactivated, strike lasted 9 wks; while BBC was silent, R. Moscow seized the freq, //15420, p (Wood 5/25)
- 17900 USSR R. Kiev 2330-2345 in EG, nx, "Ukraine Today" (McKellar 6/28)
- 17910 QATAR QBS 2035-2127* in AR, drum beats, AR mx, long AR tlk, nx (O'Brien 6/19, Dickson 6/23, D'Angelo 5/28) 1120+ in AR (Nathanson)
- 17940 LIBYA Clandestine V. of the Sudanese Popular Revolution 1634-1731* in AR, much tlk, mideast mx, long s/off anns (Alexander 5/12, D'Angelo 5/13)

- 17943 CUBA RHC 2045-2050 in SP, very gd sig at this split freq (O'Brien)
 18080 UNITED KINGDOM BBC 1710-1745* in EG, xmsn to E Afr (Jordan 5/26)
 19070 ANGOLA R. Nacional de Angola 2150-2350 in FR/PT, ID, US soul rock, freqs in PT, gongs (Jordan 5/30, Brandi 5/30)
 21470 ASCENSION IS. BBC relay 1629-1744* in EG, sports roundup, nx, ID f w/QSB (Bobb 5/28)
 21475 PAKISTAN RP *1215-1315 in AR, IS, ID, Qur'an, nx, moved from 21470 to avoid BBC but ran into QRM from Finland, f (Wood 5/8)
 21485 USA VOA Bethany 1920-2000+ in EG to W Afr, nx (Dickson, Hankins)
 21485 MADAGASCAR RN relay 0702+ in EG, nx, "Sunday West", QRN (Park 6/24)
 21490 PORTUGAL RDP 1615 in EG to mideast, list full sked, folk mx (Wood)
 21525 AUSTRALIA RA *0355 IS, 0400 into EG, TS, nx, g (Wood 5/9)
 21530 SAUDI ARABIA BSKSA 1100 in IN, ID, "warta berita", nx, g (Wood 5/9)
 21590 USSR RM 1100-1110 in EG, ID, cmtry, //21545, g (Nathanson 6/9)
 21620 FRANCE RFI 1103-1106 in FR, tlk, g (Nathanson 6/9)
 21625 USSR RM 1100-1103 in RS, nx, g (Nathanson 6/9)
 21640 JAPAN RJ 0150 in EG, nx, ID, //21610, p (Dillon 5/30)
 21640 UNITED KINGDOM BBC *1430-1500 in Somali, into EG "African Perspective", replaces 21590 to avoid RM; //18080 (Wood 5/20)
 21645 FRANCE RFI 1045-1100 in FR, mx, xmsn for later broadcast (Nathanson)
 21650 TANGIER VOA relay 1517-1530 in RS to USSR, short EG interview tapes, jamming, cmtry on Olympic boycott (Enkenhus 5/9)
 21680 WEST GERMANY DW 1320-1350* in GM, ID, IS, xmsn in AM, not SSB, tlks on Philippines and Poland (Jordan 5/17)
 21685 FRANCE RFI 1045-1100 in FR, mx, xmsn for later broadcast (Nathanson)
 21690 SWEDEN RSI 1230 in EG, nx, "Sweden Calling DX'ers", //17840 (Wood)
 21695 GABON R. Japan via Moyabi *1500-1700* w/usual JP/EG/FR apology for circuit breakdown (Wood, Jordan) Apparently technical problems fixed by mid-June when pgm in EG rptd at 1500, IS, ID, cmtry on education in Japan (McLemore 6/13)
 21700 SWEDEN RSI 1430-1500* in SW, ID, nx, QRM fr Portugal, f (Wood 5/6)
 21720nf AUSTRALIA RA 0128-0300 in EG, IS, ID, nx, features (McLemore, Green)
 21720 WEST GERMANY R. Free Europe 1735-1800 in CZ, speech excerpts in EG, ID at 1800, sig improved by 1800, f-p (Jordan 5/26)
 21725 VATICAN STATE VR *1300 in PT to Brazil, nx, //17865, g (Wood 5/6)
 21740 USSR RM 1034-1045 in EG, prop about Russian economy (Nathanson 6/9)
 25615 NORWAY RNI *1055 IS, NO, ID in EG, 1100 into NO, nx, g (Wood 5/9)
 25800 USA VOA Bethany relay 1620-1645 in Hausa & SH (Jordan 6/24)
 26000 USA VOA Bethany relay 1930+ in EG to W Africa, pop tunes (Hankins)

 Wow! 266 items this section this time after screening out those items listed in last month's bulletin. Who said that the ionosphere layer is on the down cycle?

FOR SALE: Atwater Kent Model 55 chassis with speaker in mint working condition, \$275.00 + UPS or best offer. Lafayette HA-600, unused, 0.15 to 30 MHz, cw and SSB, \$50.00 + UPS. Ampex Micro-86 stereo cassette, 20 watts, \$30.00 + UPS. Tube caddy filled with tubes, \$50.00 + UPS. Have extra tubes for a lot of the old radios. Send card for your needs. Phil Bernacke, 6 Plains Court, Huntington, NY 11746. Phone (516) 271-4991, not collect.

LOG FRIENDX REPORTERS

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

Brian ALEXANDER, Mechanicsburg, PA; Marion BLANCHETTE, Thonotosassa, FL (R600 DX100); Norman BOBB, Minneapolis, MN (R600); Thomas DALY, Pomona, NY (FRG-7700); Richard D'ANGELO, Wyomissing, PA (R70); Ronald DAVID, Jamaica, NY (DX160); Richard DICKSON, Goshen, OH (DX302); Peter DILLON, Washington, DC (Zenith 300 DX400); Kurt ENKENHUS, Silver Spring, MD (NRD 515); Marlin FIELD, Hillsdale, MI (SX100 SPR4); Jerry GREEN, Maryville, TN (FRG7700); Pedro HAZEL, New York, NY (ICF2001); Rufus JORDAN, Pittsburgh, PA (DX302); Jerry LINEBACK, Conroe, TX; Daniel LUCE, Austin, TX (R600); John MCKELLAR, Mountain View, CA (DX160); Travis MCLEMORE, Clearwater, FL (FRG7); Don MOMAN, Alberta (TS430, R70, SPR4); Bill MUZYKA, Woodside, NY; Frank NATHANSON, Israel (R70); Andrew O'BRIEN, Beltsville, MD (R2000); Dale PARK, Honolulu, HI (ICF6700W); Sheryl PASZKIEWICZ, Manitowoc, WI (DX400 DX302); John PRATH, Ft. Lauderdale, FL (FRG7700 FRG7); Steve REINSTEIN, Mirimar, FL (R70); Christos RIGAS, Chicago, IL (R2000); Ronal SCHULZE, West Germany (R4C R100); Ron TROTTO, St. Cloud, FL (CR2021); George VADINO, Bellevue, WA (RF4800); Dave VALKO, Dunlo, PA (R388 FRG7); Terry WEINHOLD, East Earl, PA (R1000); Robert ZILMER, Rio Rancho, NM (R1000 ICF5900W).....

Looks like the U.S. Post Office is also suffering from the summer doldrums, as mail from the West Coast is taking as much as 8 days to arrive here, compared with the normal 4 or 5. As mentioned last month, I must adhere to the 12th of the month deadline as the material must be in the hands of the respective editors as soon as possible thereafter. Also I note that many folks use more postage than required on their submissions. The equivalent of 5 8½ x 11 sheets in a #10 envelope can be sent for the one ounce rate, currently 20¢. Believe me, you won't get any better or faster service from the Post Office if you use unneeded postage.

BEST, Kap

AP THANKS: Thanks go out to the following individuals for their recent donations: T. McLemore, T. Haskett, A. Cushen, F. Pagano, B. Plum, M. Hardester, A. Merrill, D. McCants, P. Choroszy, H. Cones, M. Schmitz, B. Hassman, A. Schlaugat, A. Werthelmer, M. Brooker, N. Drew, J. Fortney, J. Fisher, J. Bryant, C. Mann, J. Talbot, B. Matthews and D. Maxfield: Thank you so very much... Sam.

AP BID ITEMS: #815: BBC Radio 1 sticker (2x3.5") red, white, blue. #816: Northsound Radio (UK) decal (3x13") m/c. #817: Northsound Radio decal (6" cir) red, B&W. #818: Radio Clube Paranaense (Brasil) sticker (2x2.5") m/c. #819: "FLA" Little General sticker (3x9") m/c. #820: Radio Apollo (Euro. Pirate) QSL card (4x6") B&W. #821: Signal Radio (UK) decal (2.5x9") m/c-nice! #822: Netherlands World Broadcasting book-over 100 pages w/ photos and the history of radio in Holland. #823: BBC Radio Stoke 24 page magazine w/ photos. #824: 4XD (New Zealand) sticker (1.5x7") blue, white. #825: Radio Vatican "St. Peters" QSL card (4x6") m/c. #826: Radio Vatican "Pope w/ Microphone" QSL card (4x6") m/c. #827: Radio Vatican "Speech" QSL card (4x6") m/c. #828: Radio Vatican "Cupola" QSL card (4x6") m/c. #829: Radio Vatican "Plaza Pio" QSL card (4x6") m/c. #830: Radio Vatican pen, black, gold. #831: Radio Vatican PDC w/ stamp (4x7") m/c. #832: JOFF (Okinawa) sticker (1.5x4") m/c. #833: JOFF sticker (1x1.5") green, black. #834: Northsound Radio DJ photo card, (4x6") B&W. #835: Radio Polonia cloth pennant w/ tassel (4.5x9.5") red, B&W. #836: Radio Polonia reflective sticker (3x3") m/c. #837: Radio Polonia sticker (2.5" cir) m/c. #838: Radio Polonia QSL card (4x6") m/c. #839: Radio Polonia "Building" stamp/sticker (2x3.5") m/c. #840: Radio Polonia metal pin, m/c. #841: Radio Play 26 (Italy) sticker (3x6") blue, yellow. #842: Radio Luxembourg sticker (4x5") red, white. #843: Radio Meneghino (Italy) sticker (4" cir) white, purple, blue. #844: RAF paper pennant (4x8.5") m/c. #845: NBC (Papua) paper pennant (3x6") yellow, brown. #846: QFCN metal badge, red, B&W. #847: WQMC metal badge (3" cir) red, B&W. #848: Beacon Radio (UK) metal badge (1.5" cir) red, white, blue. #849: CBC "Logo" metal badge, black, gold. #850: Radio Bucharest key chain, m/c-nice! #851: Radio 210 pencil, red, gold. #852: Beacon Radio pen, red, blue, white. #853: Radio Cleveland (UK) pen, red, white. #854: Radio Shetland sticker (3.5" cir) green, white. #855: Radio Shetland sticker (3.5" cir) blue, white. #856: Red Rose Radio (UK) sticker (5x5") red, B&W. #857: Radio Italia reflective sticker (3x5") m/c. #858: RBI (DDR) plastic litter bag, m/c-nice! #859: Radio Manchester (UK) large plastic litter bag, m/c. #860: RBI large cloth calendar, m/c-very nice looking! #861: Radio Southland (NZ) sticker (5" cir) m/c. #862: 2XX (NZ) sticker (4x6") m/c-beautiful! #863: KATT sticker (4.5x6") m/c. #864: WGGB-TV felt pennant (4x9") B&W-very rare! #865: KATT metal badge (1" cir) m/c. #866: WBSB "Beserk" T-Shirt (XL) yellow, white, blue. #867: WRAP "Hot and Nasty" sticker (3x11") m/c. #868: WVNZ sticker (3.5x10") m/c-nice! #869: 2WD sticker (3x7") m/c. #870: WNOR sticker (3x11.5") m/c. #871: 6WP (Australia) cloth arm patch (2x3") blue, white, orange. #872: Radio Nottingham diary (6x8") gold, white. #873: Radio Vatican 1984 calendar in EG (8.5x9") m/c. #874: Radio RSA sticker (3.5x5.5") yellow, black. #875: Radio Veritas (Philippines) 1984 calendar (7x13") m/c. #876: IBC (Italy) sticker (3x5") purple, white. #877: Radio West (Ireland) decal (4x7") m/c. #878: WDAE "Tampa Bay Bucs" sticker (3x10") m/c. #879: Radio Nottingham decal (3x7") m/c. #880: ORF (Austria) sticker in SP (4x5.5") red, B&W. #881: KNUJ (Hawaii) sticker (4x7.5") red, white. #882: Radio Korea (Hawaii) sticker (4x7") blue, white. #883: Radio West pen, red, blue, white. #884: Radio Macarena (Colombia) reflective sticker (2x5") m/c-nice! #885: KAIM (Hawaii) sticker (4x7") blue, white. #886: BBC Radio One decal (2x12") m/c. #887: RBI plastic badge (2x2") m/c. #888: Cleveland Area Cable TV cloth arm patch (3" cir) blue, white. #889: WSM metal badge (1.5" cir) red, white, blue. #890: Voice of Asia (Taiwan) metal badge, m/c-very nice! #891: Radio Clwyd (Wales) decal (5" cir) m/c. #892: Voice of Turkey cloth pennant (4.5x8") m/c. #893: Radio Newcastle (UK) sticker (3x6") m/c. #894: REE (Spain) cloth pennant (5x8") m/c. #895: HRVC cloth pennant (6x11.5") blue, B&W. #896: Radio Fasa (Italy) sticker (1x9") m/c. #897: Radio Bras (Brasil) sticker (3.5" cir) m/c. #898: City-TV Koblenz (FRG) sticker (3x5") m/c. #899: HCJB-FM sticker (3.5x8") B&W. #900: Radio Hallam decal (3x13") m/c. #901: Radio Nederland address book (2.5x3") red, white. #902: Radio Peking "Great Wall" metal pin, m/c. #903: Radio Peking pin, blue, gold. #904: Radio Peking metal pin, light blue, white. #905: Radio Peking metal pin, m/c. #906: ORP metal pin, red, white. #907: RBI stick pin, blue, white. #908: Radio Bucharest metal pin, m/c. #909: WDR (FRG) station pen, blue, B&W... Hope you like this selection... Sam.

HAP DIRECT SALE ITEMS: The following stickers decals are available for \$.25 each or any 5 for \$1.00: Radio Polonia, WPRE, WQYK, Cub Radio, WEEI, CKCK, CFRA, RCI, KREM, Z-93, WGBB, WPLJ, ANARC, WAGU, WCFL, KLOS, WQMR, WLUP, KROY, WJPM, WNBC, WBWA, KTTs, KDKD, WQMP, WJNC, RBI (large), (small), Radio Budapest, RFI (large) (cir) (red) (blue), REE (cir) (square), 4MK, Radio Caroline (black) (white), BRT, Radio London, Radio 210, SRI, Radio Nederland, Radio Vatican (Pope) (square) (semi-cir), RTE, ZCH, Metro Radio, WDR Radio (TV) (square), Deutsche Welle and Radio Peking.

ADDRESS: Please send your bids and orders for direct sale items to Sam Barto, 47 Prospect Place, Bristol, CT. USA 06010.

