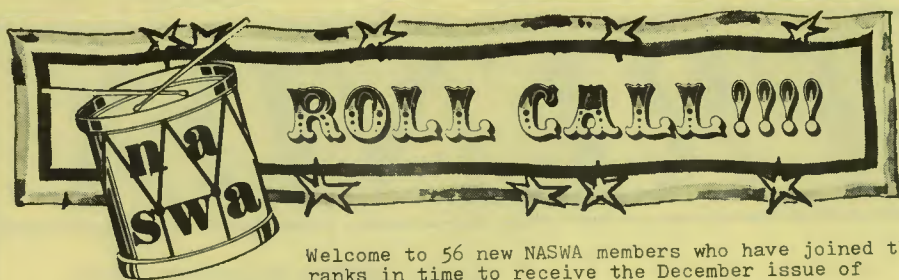


FRENDX





Welcome to 56 new NASWA members who have joined the ranks in time to receive the December issue of FRENEX. We hope they find their new association to be helpful.

- | | |
|---------------------------------------|--|
| AASE, Brian, Mukilteo, WA | MILLER, David S., Natrona Heights, PA |
| BALLWANZ, Howard R., Lakewood, NJ | MINK, Don, Detroit, MI |
| BEVILACQUA, Jon M., Queens, NY | MONTGOMERY, Pat, Carbondale, IL |
| BIOCOCCHI, Louis, New Orleans, LA | MONTROSS, George, Kingsburg, CA |
| BRANSCOME, David, Newark, OH | MURPHY, Joe, Lima, OH |
| BROWN, Graeme Roy, Richmond, B.C. ** | NEWMAN, Kenneth, Brooklyn, NY |
| BROWN, Kevin, Ann Arbor, MI ** | OLEY, Alexander, Jr., Lakewood, OH |
| BROWN, Larry H., Flint, MI | PACE, Don, Liberty, SC |
| CARLSON, E.R., Ft. Wayne, IN | PERSELL, Lewis, Sr., South Haven, MI |
| CAVANAGH, James L., Palatine, IL | PIETRASZEK, Robert, Turners Falls, MA |
| CHASE, Larry, Branford, CT | POOT, Jacques P., New Augusta, IN |
| CHAVDARIAN, Dr. Charles, Richmond, VA | POWELL, Clark L., Johnstown, PA |
| CIESIELSKI, John, Niagara Falls, NY | RAAB, Steven S., Philadelphia, PA |
| CORDRY, Dee, El Reno, OK | REICH, Carl, Westmont, IL |
| DABNEY, Gene A., Indianapolis, IN | RIJKS, Harm J., Arnhem, Holland |
| DAVISS, Alan, Osoyoos, B.C. | SANDERS, Charles M., Edina, MN |
| FIELDS, Anthony M., Kalamazoo, MI | SILLARS, James L., Des Moines, IA |
| GRAMLICK, Tom, Cabot, AR | SLOVINSKI, George, Torrance, CA ** |
| GRIFFITH, Allen P., Westgate, IA | STEINKE, Paul, Philadelphia, PA |
| HARPER, W.F., Jeddah, Saudi Arabia | SYKES, Steven E., Ft. Bragg, NC ** |
| HOWELL, Frank M., Starkville, MS | TOTTEN, Michael R., Cleveland Hgts, OH |
| HYDER, D. Todd, Miami Springs, FL | VOLZ, Frank J., Whiting, NJ |
| IVERSON, Charles D., Ashland, WI | WATERMEIER, John, New Orleans, LA |
| KENNEALY, William, Eagan, MN | WILLIAMSON, Dr. Tom, Quezaltenango, Guatemala ** |
| KOSCIK, Frank J., Westmont, IL | WILSON, William D., Phoenix, AZ ** |
| KOWALSKI, Stan, Two Rivers, WI | YINGLING, Thomas J., Baltimore, MD |
| KRUSZKA, Jeff, Elyria, OH | |
| LENDEMER, Mike, Randolph, NJ | |
| LOH, Kenneth, Phoenix, AZ | |
| McKINSTRY, Michael A., Arlington, VA | |

** Welcome back to NASWA after a short absence!

A FEW ANNOUNCEMENTS: The St. Louis Internationale DX'ers (SLIDX) has been formed. Meeting are held on the third Sunday of each month at 2:30 PM at the Famous-Barr in Northland Plaza on the corner of Lucas and Hunt and West Florissant Roads. Area DXers are invited to the next meeting January 20th. For information about SLIDX, send a SASE to Rich Eddie, 152 West Rose, St. Louis, MO 63119.....Worldwide TV-FM DX Association have a new brochure telling about their organization, and is available for a SASE sent to WFTDA, P.O. Box 97 Calumet City, IL 60409. A sample copy of their bulletin, the VHF UHF DIGEST is available for \$1.00. Their club is the only one in America which specializes in TV, FM, V-UHF utility DX.

NASWA

A REPORT FROM
HEADQUARTERS

NORTH AMERICAN SHORT WAVE ASSOCIATION POST OFFICE BOX 13 LIBERTY, INDIANA 47353 U.S.A.
JANUARY, 1980

THIS MONTHS COVER: Our cover this month features NASWA member Mike Hardester. Mike was named ANARC's "International DXer of the Year" at their 1979 convention in Minneapolis last July. Although Mike now resides in San Diego, CA with his wife Rosalind, he was stationed in Okinawa which qualified him for the "International" award.

Mike is 30 years old, and presently a Navy Hospital Corpsman, but will leave active duty from the Navy in August to pursue his education further in agricultural and related areas. He has been an active DXer since 1968, uses five receivers plus an array of filters, counters, and meters. In addition to NASWA, Mike belongs to nine other major radio clubs as well as being active in the Southern California Area DXers (SCADS).

We congratulate Mike for his achievement!

FINAL WARC HIGHLIGHTS: Larry Magne, Philadelphia, PA sends us this advance information on the outcome of the recent World Administration Radio Conference meetings in Geneva, Switzerland which was to decide certain changes in the use of short wave allocations to be used by broadcasters in the future. The allocations are as follows:

Tropical bands.....	Unchanged
6 & 7 MHz.....	Unchanged (including ham-IB share in the Americas)
9 MHz 9500 - 9900 kHz.....	(was 9500 - 9775 kHz)
11 MHz 11650 - 12050 kHz.....	(was 11700 - 11795 kHz)
13 MHz 13600 - 13800 kHz.....	(new band)
15 MHz 15100 - 15600 kHz.....	(was 15100 - 15450 kHz)
17 MHz 17550 - 17900 kHz.....	(was 17700 - 17900 kHz)
21 MHz 21450 - 21850 kHz.....	(was 21450 - 21750 kHz)

We now quote from Larry's report as follows:

"Implementation date is no later than 1989, and a Broadcast Conference will be called, probably 1983 or 1984, to work out the details and also to consider the technical questions, such as SSB and power limitations.

"A number of countries, including the U.S., took reservations to allow them to operate out of band as they wish, and many more took reservations to allow them to operate in the 6 and 7 MHz vicinity (as these bands weren't expanded).

"Interestingly, the Soviets did not take such reservations, even though they did in 1959 (which is why their considerable out of band operations are 'legal'). However, they did take reservations to allow them to operate Fixed ('utility') operations within the international broadcasting bands! Presumably this is to make the Pulser 'legal'."

We thank Larry for rushing this information to us so it could be included in this issue of FRENEX. This subject, do doubt, will be expanded upon in more detail in future issues.

AN INVITATION: In last months FRENEX, we mentioned that the Joliet (Illinois) Amateur Radio Society (JARS) were seeking a speaker for one of their monthly meetings to give a program on the SWL hobby. Alan Mayer, former FRENEX publisher and NASWA Director has answered their call and will present a program for their February meeting. Art Hostert, JARS Program Chairman, has extended an invitation to all NASWA members who might want to hear this program to join them.

The meeting will be held February 5, 1980 at 8:00 PM at the St. Joseph Hospital in Joliet, IL. NASWA members in the Joliet area might want to make a note of this date.

A PERSONAL NOTE: A special thanks to all who sent Christmas greetings to us here at HQ. We wish we could acknowledge them all individually, but that would be quite a task, so hope all will accept this word of thanks for their thoughtfulness.


M.R. Leonhardt
Executive Director _ NASWA

shortwave CENTER



JERRY A. LINEBACK, EDITOR
P. O. Box 325
St. Joseph, IL 61873

JANUARY 1980

English to NA

ENGLISH LANGUAGE BROADCASTS TO NORTH AMERICA

04 November to 02 March, compiled by Roger Legge
Box 232, McLean, VA 22101

TO EASTERN AND CENTRAL NORTH AMERICA
Morning and afternoon

EST	GMT	Station	Frequencies (kHz)
5:00-10:00am	1000-1500	Moscow, USSR	9600h, 15135, 15150, 21530 (from 1200)
6:00-8:00am	1100-1300	Melbourne, Australia	9580
6:00-8:30am	1100-1330	London, England	9510c, 11775w, (11-1130, 13-1330) 15070
6:05-7:45am	1105-1245	TWR, Bonaire, NWI	15255
7:00-7:30am	1200-1230	Jerusalem, Israel	11620, 15425, 17685, 21645, 25640
7:00-7:55am	1200-1255	Peking, China	9820
7:00-11:00am	1200-1600	HCJB, Quito, Ecuador	11740 (to 1430), 15115, 17890 (from 12
7:00-7:30am	1215-1230	Athens, Greece	15125, 17710
7:30-8:00am	1230-1300	Vienna, Austria	17860
8:00-8:30am	1300-1330	Helsinki, Finland	15400 (Sun. to 1425)
8:15-8:45am	1315-1345	Berne, Switzerland	21570
9:00-9:30am	1400-1430	Stockholm, Sweden	21615
9:00-9:30am Su	1400-1430 Su	Oslo, Norway	17840
9:30-10:00am	1430-1500	Helsinki, Finland	15400, 21475
11:00am-12:15pm	1600-1715	London, England (Sa/Su)	1500-1745) 15260c, 17830c
11:00am-5:00pm	1600-2200	Moscow, USSR	11860h, 12010, 12060 (to 2100)
1:00-1:30pm Su	1800-1830 Su	Oslo, Norway	11895
3:00-3:30pm	2000-2030	Jerusalem, Israel	9815, 15425, 17685

Evening

4:30-6:00pm	2130-2300	Ankara, Turkey	9515, 11955
5:00-5:30pm Su	2200-2230 Su	Oslo, Norway	9590, 11850, 15175
5:00-6:00pm	2200-2300	London, England	5975, 6175w, 9510, 15260a
		Moscow, USSR	7165, 7440, 9530, 9765
5:30-6:00pm	2230-2300	Jerusalem, Israel	7412, 9815, 11637, 15300, 17685
6:00-6:30pm	2300-2330	Stockholm, Sweden	9695, 11705
		Vilnius, Lith., USSR	7150, 7215
6:00-7:30pm	2300-0030	London, England	5975, 6120c, 6175w, 7325, 9510, 9590c
			15260a
6:00-8:00pm M-F	2300-0100 M-F	Montreal, Canada	5960, 11710
6:00-8:30pm	2300-0130	Moscow, USSR	7165, 7440, 9490, 9530, 9610, 9685, 9765, 11780
6:45-7:45pm	2345-0045	Tokyo, Japan	15270, 17825
7:00-7:30pm	0000-0030	Santiago, Chile	15140
		Tirana, Albania	7065, 9750
7:00-7:30pm Su	0000-0030 Mo	Oslo, Norway	6005
7:00-8:00pm	0000-0100	Peking, China	15115, 15520, 17680
		Sofia, Bulgaria	9705
7:05-9:05pm	0005-0205	Madrid, Spain	9630, 11880
7:15-7:30pm	0015-0030	Athens, Greece	9515, 9655, 11730
7:15-8:00pm	0005-0100	Brussels, Belgium	11715
7:30-8:00pm	0030-0100	Kiev, Ukrainian SSR	7150, 7205, 7215

7:30-8:00pm	0030-0100	Stockholm, Sweden	11905
7:30-10:00pm	0030-0300	HGJB, Quito, Ecuador	9745, 11910
7:30-10:30pm	0030-0330	London, England	5975, 6120c, 6175w, 7325, 9510, 9580a, 15260a
8:00-8:15pm	0100-0115	Vatican City	6015, 9605, 11845
8:00-8:20pm	0100-0120	Rome, Italy	9575, 11800
8:00-8:30pm	0100-0130	Montreal, Canada	5960, 11830
8:00-8:45pm	0100-0145	Berlin, DDR	9730, 11975
8:00-9:00 pm	0100-0200	Prague, Czechslovakia	5930, 7345, 9540, 11990
8:00-10:00pm	0100-0300	Peking, China	15520 (to 02), 15600, 17680
8:00-11:50pm	0100-0450	Havana, Cuba	11930
8:30-8:50pm	0130-0150	Cologne, Germany	6040w, 6085, 6100m, 6145, 9545w, 9565, 9605, 11865m
8:30-9:00pm	0130-0200	Santiago, Chile	15140
		Tirana, Albania	7120, 9750
		Vienna, Austria	5945, 9770
8:30-9:30pm	0130-0230	Bucharest, Romania	5990, 9570
8:30-11:00pm	0130-0400	Moscow, USSR	7165, 7440, 9490, 9530, 9685, 9700, 9765, 11780 (to 0300)
8:45-9:15pm	0145-0215	Berne, Switzerland	6135, 9725, 11715, 15305
9:00-9:30pm	0200-0230	Budapest, Hungary (not Su)	6105, 9585, 9835, 11910
		Montreal, Canada	5960, 11845
		Warsaw, Poland	6095, 7270, 9535, 11815, 15120
9:00-9:30pm Su	0200-0230 Mo	Oslo, Norway	6005, 9590
9:00-9:50pm	0200-0250	Johannesburg, S. Africa	11900, 15155, 15220, 17780
9:00-10:30pm	0200-0330	Cairo, Egypt	9475, 12050
9:15-9:30pm	0215-0230	Athens, Greece	9515, 9650, 11730
9:30-10:00pm	0230-0300	Beirut, Lebanon	11785
		Santiago, Chile	15140
		Stockholm, Sweden	9695, 11705
		Tirana, Albania	7120, 9750
9:30-10:15pm	0230-0315	Berlin, DDR	9730, 11975
9:30-10:25pm	0230-0325	Hilversum, Holland	6165b, 9590b
10:00-10:30pm	0300-0330	Budapest, Hungary	6105, 9585, 9835, 11910
		Kiev, Ukr. SSR	7150, 7205, 7215, 7400
		Lisbon, Portugal	6025, 11925
		Montreal, Canada	5960, 9535, 11770, 11845
		Warsaw, Poland	6095, 7270, 9525, 11815, 15120
10:00-11:00pm	0300-0400	Baghdad, Iraq	11925
		Brasilia, Brazil	15290
		Buenos Aires, Argentina	9690 (Mon-Fri EST)
		Prague, Czechslovakia	5930, 7345, 9540, 11990
10:00-12:00pm	0300-0500	HGJB, Quito, Ecuador	9745, 11910
10:30-11:00pm	0330-0400	Helsinki, Finland	9645
		Tirana, Albania	6200, 7300
		Vienna, Austria	5945, 9770
10:30-11:30pm	0330-0430	London, England	5975, 6175w
10:30pm-1:00am	0330-0600	Havana, Cuba	11760
11:00-11:30pm	0400-0430	Bucharest, Romania	5990, 9570
		Montreal, Canada	5960, 11770, 11845
11:00-11:30pm Su	0400-0430 Mo	Oslo, Norway	6185, 9610
11:00pm-1:00am	0400-0600	Moscow, USSR	7150, 7215, 9490, 9530, 9610
11:30-12:00pm	0430-0500	Sofia, Bulgaria	9765
12:00-12:15am	0500-0515	Jersusalem, Israel	7412, 9815, 11637, 15105

TO WESTERN NORTH AMERICA

Morning

PST	GMT	Station	Frequency (kHz)
5:30-8:15 am	1330-1615	London, England	11750, 15070, 15400a (from 1430)
7:00-7:15am	1500-1515	Tokyo, Japan	9505 (also at 1600, 1700, 1800)
7:15-7:30am	1515-1530	Athens, Greece	15125, 17710
8:00-8:30am	1600-1630	Seoul, Korea	9720, 11830
8:00-8:30am Su	1600-1630	Su Oslo, Norway	15175
10:00-10:30am	1800-1830	Seoul, Korea	11830

11:00-11:15am	1900-1915	Tokyo, Japan	15270 (also at 2000, 2100)
11:00am-2:00pm	1900-2200	Moscow, USSR (via Khab.)	12050, 15180 (20-22), 17720 (2)

Afternoon

1:40-2:40pm	2140-2240	Taipei, Taiwan	9685, 11825, 15270
2:00-2:15pm	2200-2215	Tokyo, Japan	17755 (also at 2300, 0000)
3:00-3:30pm	2300-2330	Seoul, Korea	11820, 15570
		Stockholm, Sweden	9695, 11705
		Vilnius, Lith. SSR (via Khab.)	15100, 15240, 17870
2:00-7:30pm	2200-0330	London, England	6120c, 9510, 9580a, 15260a
2:00-8:00pm	2200-0400	Moscow, USSR (via Khab.)	15140, 15180, 15455, 17720 (to 6150 (00-04), 9580 (0130-04))
4:05-6:05pm	0005-0205	Madrid, Spain	9630, 11880
4:30-5:00pm	0030-0100	Kiev, Ukr. SSR (via Khab.)	15100, 15240, 17870
		Stockholm, Sweden	11905

Evening

4:30-9:00pm	0030-0500	HCJB, Quito, Ecuador	9745, 11910
5:00-5:15pm	0100-0115	Tokyo, Japan	17755 (also at 0200, 0300, 0400)
5:00-5:30pm	0100-0130	Montreal, Canada	5960, 11830
5:00-6:00pm	0100-0200	Taipei, Taiwan	11825, 15345
5:00-7:00pm	0100-0300	Peking, China	15115, 15520 (01-02), 15600, 17680
5:30-6:00pm	0130-0200	Santiago, Chile	15140
5:30-6:30pm	0130-0230	Tokyo, Japan	15235, 17725, 17825, 21640
6:00-6:30pm	0200-0230	Budapest, Hungary (not Su)	9585, 9835, 11910
		Montreal, Canada	5960, 11845
6:00-6:30pm Su	0200-0230 Mo	Oslo, Norway	6005, 9590, 11870
6:00-6:50pm	0200-0250	Johannesburg, South Africa	11900, 15155, 15220, 17780
6:00-7:30pm	0200-0330	Cairo, Egypt	9475, 12050
6:15-6:30pm	0215-0230	Athens, Greece	9515, 9650, 11730
6:30-7:00pm	0230-0300	Santiago, Chile	15140
		Stockholm, Sweden	9695, 11705
7:00-7:30pm	0300-0330	Budapest, Hungary	6105, 9585, 9835, 11910
		Kiev, Ukr. SSR (via Khab.)	9505, 9725, 11690
		Lisbon, Portugal	6025, 11925
		Montreal, Canada	5960, 9535, 11770, 11845
7:00-7:50pm	0300-0350	Taipei, Taiwan	11825, 15270, 15345
7:00-8:00pm	0300-0400	Brasilia, Brasil	15290
7:00-9:00pm	0300-0500	Peking, China	11650, 12055
7:30-8:15pm	0330-0415	Berlin, DDR	11890, 11975
7:30-8:30pm	0330-0430	London, England	5975, 6175w
7:30-10:00pm	0330-0600	Havana, Cuba	11760
7:55-8:00pm	0355-0400	Yerevan, Arm. SSR (via Khab.)	9505, 9725, 11690
(M-W-F-Sa)			
8:00-8:30pm	0400-0430	Bucharest, Romania	5990, 9570
		Montreal, Canada	5960, 11770, 11845
8:00-8:30pm Su	0400-0430 Mo	Oslo, Norway	6185, 9550, 9610
8:00-8:45pm	0400-0445	Seoul, Korea	11820, 15570
8:00-12:00pm	0400-0800	Moscow, USSR (via Khab.)	7175, 9505, 9580, 9735, 12050, 15140 (to 05), 15180 (to 05)
8:30-9:00pm	0430-0500	Berne, Switzerland	9725, 11715
		Sofia, Bulgaria	9765
		Vienna, Austria	15260
8:30-11:30pm	0430-0730	London, England	6175w, 9510w
9:00-9:15pm	0500-0515	Jerusalem, Israel	7412, 9815, 11637, 15105
		Tokyo, Japan	15270 (also at 0600 and 0700)
9:00-9:30pm	0500-0530	Lisbon, Portugal	6025, 11925
9:00-11:00pm	0500-0700	HCJB, Quito, Ecuador	6095, 9745, 11910
9:15-10:15pm	0515-0615	Madrid, Spain	6065, 9630
9:30-9:50pm	0530-0550	Cologne, Germany	5960, 6100, 6185, 9545w
9:30-10:25pm	0530-0625	Hilversum, Holland	6165b, 9715b
10:00-10:30pm Su	0600-0630 Mo	Oslo, Norway	9645

10:00-11:00pm	0600-0700	Buenos Aires, Argentina	9690 (Mon-Fri PST)
10:30-12:00pm	0630-0800	Havana, Cuba	9525
12:00-12:15am	0800-0815	Tokyo, Japan	9505 (and hourly to 1400)

Relay Sites: a=Ascension Is., b=Bonaire, N.A., c=Sackville, NB, Canada, h=Havana, Cuba, m=Malta, w=West Indies (Antigua/Montserrat).

Changes of interest: 1200 Peking 15220 to 9820; 1530-2200 R. Moscow Havana relay 11840 to 11860; 0000-0100 Peking 17855 to 15520; 0000 Sofia 15330 to 9705, 0230 Beirut 15285 to 11785 (under DW Antigua); 0300/0500 Lisbon 11935 to 11925 (now that R. Liberty off 11935!); 0200 RSA 9585/9610 to 15155/17780; 0515 Madrid 11880 to 6065.

DR 22C

McKay Dymek

THE MCKAY DYMEK DR-22 SHORTWAVE RECEIVER

by Jerry A. Lineback, Editor, Shortwave Center

McKay Dymek Company, 111 So. College Ave., P. O. Box 5000, Claremont, CA 91711 (phone 800-854-7769 (Calif. 800-472-1783)) offers a line of high quality shortwave receivers. All are similar in characteristics and specifications, with only variations in tuning and selectivity options.

The basic Dymek receiver offers full coverage from 50 kHz to 27.9 MHz with crystal controlled phase locked loop tuning. In all except the DR-101, tuning is accomplished by a series of 5 knobs, the first on the left has 0, 1, and 2 for the tens of MHz, the next 0-9 for the MHz, the next 0-9 for the hundreds of kHz, the next 00-95 kHz in 5 kHz steps, and the last is a ± 5 kHz fine tune control.

The Dymek receivers have a class D AM envelope detection for low distortion. The wide-band front end is designed with RF power transistors and a double balanced mixer to provide freedom from intermodulation and overload. Most applications do not require a preselector. There is a built-in preamplifier and a switchable filter to eliminate RF input from stations below 2.5 kHz when the receiver is operated above 2.5 kHz. There is a notch filter preset at 5 kHz to eliminate carrier hets.

All receivers have at least two switch selected selectivity filters on AM that are rated at 8 and 28 kHz and 4 and 10 kHz. Except for the DR-22, there is a 2.2 kHz filter for SSB use. Some receivers have provisions for additional CW and RTTY filters. The DR-22, DR-33, DR-101 can be rack mounted, but come with cabinets. The DR-44 and DR-55 are for rack mounting only. Each receiver also has a switchable noise limiter. Sensitivity is rated as 1 μ V from 400 kHz to 20 MHz and 1.5 μ V to 29.5 MHz on AM. All have S-meters, mode switches, variable power options, several audio outputs, built-in speakers, and other features. There are several optional accessories available from Dymek. Write them at the address given in the first paragraph for information and prices.

COMPARISON OF DYMEK MODELS

DR-22

The DR-22 has LED readout to 5 kHz. The ± 5 kHz fine tune control does not affect the display. The 4 kHz filter is also used on SSB. It sells for \$995.00. See additional details below.

DR-33

The DR-33 has LED readout to 100 Hz and the fine tune control changes the display through a frequency counter. There is also a 2.2 kHz SSB filter and an optional 400 Hz CW filter and 1200 Hz RTTY filter. The filters apparently switch independently of mode. Thus, this and the other similarly equipped models presumably offer the option of exchanging filters to suit the needs of the user. This receiver sells for \$1500.

DR-101

The DR-101 model features a knob controlled, non-mechanical variable rate incremental tuning system with 3 switch controlled speeds. Actually the tuning rate on the one knob system can be continuously varied between 100 Hz and 2 MHz per second. The receiver has a fast-slow-off AGC control, the usual 8, 4, and 2.2 kHz filters with options for the CW and RTTY filter. It sells for \$1,150.

DR-44

The DR-44 is a rack mounted receiver with LED display to 100 Hz, the fine tune control changes the display. With the exception of the commercial rack mounted look as opposed to the high-fidelity look, it is similar to the DR-33 and sells for \$1600.

DR-55

The DR-55 is similar to the DR-33 and DR-44, except that it has no frequency display. The click knobs are simply labelled 0,1,2; 0-9; 0-9; 00-95 making readouts superfluous. The fine tune control handles the last 5 kHz. Like the DR-22, readout is to 5 kHz, but the fine-tune control can probably be calibrated. This model has a short/long AGC control. This receiver sells for \$800 and may be the best bargain in the Dymek line.

HANDS-ON REVIEW OF THE MCKAY DYMEK DR-22 RECEIVER

McKay Dymek has cooperated with NASWA in loaning a DR-22 receiver to your editor so that we could prepare this hands-on review. We believe that a hands-on review of a receiver by a DXer in his own shack under operational conditions is more meaningful than other forms of review. We appreciate the help of Penny Somerset, sales manager for McKay Dymek in making these arrangements.

The DR-22 has the basic characteristics of the rest of the Dymek line as described above. This receiver is designed for use with sound systems or as a self contained receiver. It was compared in my shack against the Drake SPR-4, Drake R-7/DR-7, and Panasonic RF-2800.

The DR-22 is a nice looking piece of furniture in its cabinet mounting. Since it is designed for rack mounting, it is wider and larger than the Drake receivers. The front panel is clean and simple with two switches (band width and noise limiter), the 5 tuning knobs, and the band switch, mode, and volume knobs. There is no RF gain control. Indicators for the band switch and mode are LEDs on the black dial face. The 5 digit LED display is large and easy to read. There is a phone jack (stereo phones only) on the front. Antenna input and extension speaker are spring clips on the back panel. On the back also are an output for the sound system with its own level control and an IF output.



TUNING

As mentioned earlier, the first click stop knob sets 0, 1, or 2 for the tens of MHz; the second 0-9 for the MHz, the third 0-9 for the hundreds of kHz, and the fourth 00-95 kHz in 20 click steps of 5 kHz each. The fifth knob fine tunes ± 5 kHz but does not change the display. Therefore direct readout is to 5 kHz. Click-stop tuning makes band scanning rather tedious, and if you forget to reach over and snap the third knob one notch, you will start tuning the same 100 kHz again. However, the system is very fast if you have a list of different frequencies to check such as for parallels. You can go from 5000 kHz to 15000 kHz with one click of one knob. Thus changing from band to band is much faster than on other receivers. Also there is no preselector to fiddle with.

Since the click stops are even 5 kHz, it is possible to miss a station located off frequency, but the selectivity is broad enough that this should be a problem only with weak stations. Since most shortwave stations operate at 5 kHz intervals, it is a pleasure to switch frequencies on the DR-22 and have station after station boom out.

BAND SWITCH, FRONT END, AND SENSITIVITY

The band switch is misnamed. It has 5 positions, preamplifier on or off for use above 2.5 MHz, local (a 30 dB attenuator) and preamplifier on or off below 2.5 MHz. The first two positions switch in a filter to eliminate RF overloading from local broadcast stations when the receiver is operated above 2.5 MHz. I found that, except for really local stations it was best to leave the preamplifier on. I found no use for the local setting. The broad-band front end never showed any sign of overload, images, or spurious response in any of my tests, even on the strongest stations. Sensitivity on shortwave is equal to that of the SPR-4 and R-7, in other words quite adequate, but not excessively sensitive.

SELECTIVITY

The DR-22 comes equipped with the standard 8 and 4 kHz ceramic filters. As pointed out in my review of the R-7/DR-7, my experience indicates that a good 4 kHz filter is the

best compromise between being narrow enough to attenuate most interference and wide enough for good audio. The 4 kHz (10 kHz at -60 dB) in the DR-22 is adequate for most listening and provides good audio response, but was inadequate for some severe interference situations. The 8 kHz filter (28 kHz at -60 dB) proved to be applicable only to totally uninterfered stations and even then admitted too much noise and caused a high-frequency hiss to appear.

Since the readout on the DR-22 is to 5 kHz only, tests like those applied to the SPR-4 and R-7 previously were not applicable. General observation indicates that the attenuation of strong stations took place at + 2 kHz with the 4 kHz filter and exceeded + 5 kHz with the 8 kHz filter. When tuned to two strong stations 5 kHz apart, the DR-22 separated them with little interference at 4 kHz, equal to the 4 kHz filter on the R-7. At 8 kHz, the stations were still separated, but there was too much interference for the audio to provide pleasant listening. When trying to tune a weak station between two strong stations 5 kHz above and below, the DR-22 resolved the weak station with a little interference from the others using the 4 kHz filter and was comparable to the Drake R-7's 4 kHz setting. The 8 kHz filter, however, produced only a unusable mixture of the 3 stations under this circumstance. When attempting to separate weak stations that are closer than 5 kHz, the het between the stations is less than 5 kHz. Since the notch on the DR-22 is preset at 5 kHz, the receiver could not eliminate the het. The Drake R-7 easily eliminated such hets and resolved the stations.

AUDIO

The DR-22 audio was checked against the Drake R-7 by running both to the same stereo amplifier and switching back and forth while listening to the same station. Both receivers were set to the 4 kHz filter. The audio of the R-7 is good, but that of the Dymek receiver was audibly better. The difference seems to be in the clipping of higher audio frequencies by the ham receiver. The DR-22 produced the higher frequencies providing more "presence" to music. The Dymek was still better at 4 kHz than the R-7 when the latter was switched to the 6 kHz filter, although that act does improve the R-7 audio response. The 8 kHz filter on the Dymek, as mentioned above, admits too much noise and high frequency hiss for pleasant listening to shortwave stations.

Audio with stereo headphones was quite good, but using them with the amplifier permits tone adjustment not provided on the receiver. The internal speaker was adequate, better than that on the R-7, but not as good as a RF-2800. An external speaker or sound system is needed to enjoy the very considerable potential of the Dymek DR-22.

In my opinion, the Dymek DR-22 produced the best audio I have heard from a shortwave receiver to date.

GENERAL

The DR-22 is a high quality receiver with a frontend adequately protected against overload under normal use. It is not a ham receiver, since the 4 kHz filter does not permit adequate reception of crowded SSB stations. Neither is it a serious DX machine because it will not resolve stations under certain conditions of heavy interference. As mentioned before, all receivers are compromises. The DR-22 is designed for general listening and great audio with sound systems. It is excellent in these applications. The casual or serious Shortwave Listeners, who have the funds, will find the ease of operation, easy to understand tuning, high quality as expressed in the RF front end and selectivity designs, and excellent audio a real advantage. Some DXers will also find that the enjoyable audio and ease of checking frequency lists will make the DR-22 an excellent addition to a ham type receiver. Serious DXers may want to install a narrower filter or to consider the other Dymek models that offer more selectivity options. The DR-55 offers all the advantages of the more expensive models, presumably with the possibility of adding other filter options than the standard filters offered, at a lower cost than even the DR-22 with an identical tuning arrangement sans the LEDs.

My recent experience in the shortwave receiver field indicates that stock receivers in the \$400-600 class must be modified for use by DXers and even then may fall far short of the built in quality characteristics of the Dymek DR series. Some of the cheaper receivers have proven to be very painful investments for some. You gotta pay for quality and don't forget that today's kilobuck receiver cost \$500 in 1970. Those looking for a receiver may want to consider the more expensive receiver as a better investment. The Dymek line offers several choices that SWLs and DXers should consider.

Index to SWC

INDEX TO SHORTWAVE CENTER - 1979

by David K. Maxfield

Mr. Maxfield has compiled this index to articles in Shortwave Center for 1979. He has arranged them by subject in the hopes that this classification would be most valuable to the user. Thanks for your efforts Dave.



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LATIN AMERICAN QSL SURVEY

compiled by S. David Klein, 1225-401 S.W. 1 Ave.,
Gainesville, FL 32601

QSL

The following survey shows the number of QSLs received as reported in NASWA-FRENDX between January 1978 and December 1979. The format followed is Country Name, number of QSLs reported and station name.

ARGENTINA

- 17---RAE
- 13---LOL
- 10---R. Rivadavia
- 7---R. El Mundo
- 2---R. Belgrano; R. Nac. Mendoza
- 1---R. Municipal Malargue; R. Splendit

BOLIVIA

- 10---R. Fides
- 5---R. Emisoras Bolivia
- 4---R. Panamericana
- 3---R. Mamore
- 2---Paititi Rdfn.; R. Grigota
- 1---La Cruz del Sur; R. Animas; R. Luiz de Fuentes; R. Machupo; R. Nueva America

BRAZIL

- 57---R. Nacional Brasillia
- 10---R. Bande rantes
- 9---R. Relogio Federal
- 6---R. Cult. de Araraquara; R. Cult. do Sao Paulo; R. Brasil Central; R. Guiba; R. Ribeirao Preto; RTV Gaucha
- 5---R. Cult. do Para; R. Nac. Boa Vista; Rdfa do Amazonas
- 4---R. Borborema; R. Diario da Manha
- 3---R. Clube do Para; R. Educ. Rural de Coari; R. Sociedade Feira de Santana; Rdfa. de Macapa
- 2---Ceara R. Clube; R. Capixaba; R. Drago de Mar; R. Educ. Braganca; R. Educ. Rural Santarem; R. Educ. Uberlandia; R. Excelsior; R. Jornal do Brasil; R. Jornal do Comercio; R. Olinda; R. Poti; R. Rio Mar; R. Taubate; R. Tupi; R. xapuri; Rdfa. de Aquidauana
- 1---Lins R. Clube; R. Aparecida; R. Bare; R. Clube Pernambuco; R. Clube Varginha; R. Continental; R. Cult. de Aracatuba; R. Cult. do Cuiaba; R. Cult. de Sergipe; R. Educ. Rural; R. Educ. Sao Jose; R. Gazeta; R. Globo de Sao Paulo; R. Iguatemi; R. Inconfidencia; R. Oito de Setembro Ltda.; R. Panamerica; R. Record; R. Rural Brasileira; R. San Carlos; R. Tapuio; Rdfa. de Pocos de Caldas; Rdfa. do Maranhao; Rdfa. Presidente Prudente

CHILE

- 22---R. Nac. de Chile
- 7---R. Universidad de Concepcion
- 4---R. Minería
- 2---R. Portales
- 1---R. Calama

COLOMBIA

- 16---R. Bucaramanga
- 12---R. Guatapuri
- 10---R. Sutatenza
- 8---R. Melodia
- 6---La Voz del Cinaruco
- 5---Em. Meridiano 70; R. Nacional
- 4---Ecos del Combeima; La Voz de los Centauros; La Voz del Llano; R. Colosal; R. Mira; R. Santa Fe
- 2---Em. Kennedy; Em. Nueva Granada; La Voz del Centro; Ondas del Ortegua; R. Super de Bogota
- 1---Brisas del Citara; Em. Cult. SurColombiar; La Voz de Caqueta; La Voz del Huila; La Voz del Morte; Ondas del Meta; R. Neiva; R. Super de Cali; R. Vision

COSTA RICA

- 20---Faro del Caribe
- 13---R. Casino
- 10---R. Reloj
- 9---R. Noticias del Continente
- 4---R. Universidad de Costa Rica

DOMINICAN REPUBLIC

- 12---R. Mil
- 8---RTV Dominicana
- 6---R. Clarin
- 4---La Voz de las Furerzas Armadas
- 3---R. Norte
- 2---La Voz de la Libertad
- 1---R. Comercial

ECUADOR

- 15---HD210A
- 13---Ondas Azuayas
- 10---R. Quito
- 7---R. Zaracay
- 6---CRE, Rdfa. del Ecuador
- 4---Escuelas Radiophonicas Populares
- 3---R. Federacion; R. Pastaza; R. Splendit; Rdfa. Paz y Bien
- 2---Em. Gran Colombia; R. Iris; R. Luz y Vida; R. Tropical; R. Triunfo
- 1---La Voz del Rio Carrizal; R. Rio Amazonas

GALAPAGOS

- 26---La Voz de Galapagos

GUATEMALA

- 37---R. Cultrual
- 11---R. Maya de Barillas
- 9---La Voz de Mahuala
- 8---R. Mam; R. Tezulutlan

GUATEMALA Cont.

- 5---R. Chortis Jocotan; R. Nacional
- 3---La Voz de Atitlan
- 2---R. Miramundo

HONDURAS

- 42---La Voz Evangelica
- 2---R. Juticalpa; R. Lux; R. San Isidro

MEXICO

- 26---R. Mexico
- 14---R. Huayacocotla
- 11---Tus Panteras Juveniles
- 5---R. Nucleo Oro; R. Educacion
- 4---R. Universidad de Sonora
- 1---R. Duplicado

NICARAGUA

- 12---Rdfa. Nacional

PARAGUAY

- 1---R. Nacional

URUGUAY

- 24---SODRE
- 6---R. El Espectador
- 5---R. Carve
- 1---R. Libertad Sport

PERU

- 9---R. Victoria
- 7---R. Atlantida
- 4---R. Union
- 3---R. Cult. Amauta; R. del Pacifico; R. Inca; R. Quillabamba; R. Tropical
- 2---R. Loreto
- 1---Ondas del Huallaga; R. Andina; R. Chinchaycocha; R. Eco; R. Juliaca; R. Melodia; R. Nacional; R. Pampas; R. Panamericana; R. Qollasuyo

VENEZUELA

- 22---YVTO
- 16---R. Juventud
- 15---Ecos del Torbes
- 11---R. Nacional; R. Rumbos
- 7---R. Universo
- 6---La Voz del Tigre; R. Barquisimeto; R. Lara; R. Yaracuy
- 3---R. Carora; R. Los Andes Mil Cuarenta;
- 2---R. Occidente; R. Universidad
- 1---La Voz de Carabobo; R. Continente; R. Impacto; R. Maracaibo

Abbreviations used: R.= Radio; Rdfa.= Radiodifusora; Educ.= Educacao; Em.= Emisora; Cult. = Cultura

Radio stations HCJB and R. Havana Cuba omitted for obvious reasons.

THIS & THAT

GILFER Shortwave, P. O. Box 239, Park Ridge, NJ 07656, is offering the 1980 edition of the World Radio TV Handbook for \$2.00 off the cover price if you order by 14 January. Their price is \$11.45 plus \$1.50 shipping, a total of \$12.95. Gilfer also carries

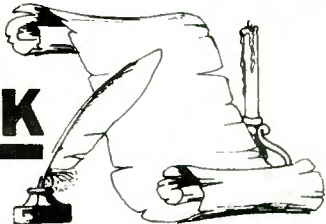
Arthur Cushen's The World in My Ears now for \$11.45 plus .50 shipping. If ordered before 14 January with the WRTVH, the package price is \$22.50 complete.

Larry Magne reports that in addition to the Drake filters for the new R-7 receiver, Sherwood Engineering, 1268 Ogden Street South, Denver, CO 80210, is offering a compatible 3.0 kHz filter that fills the gap between the 4 kHz and 2.3 kHz drake filters. It has a nominal shape factor of 1.8:1. Price is \$80 plus domestic shipping of \$3.

Well, it looks like we have come up a few cm short this month. I hate to waste space when I have lots of good articles to print, but nothing short enough. More on how to make the DX-300 work next month and many more features of interest to shortwave enthusiast. 73 till then-JAL.

Listeners NOTEBOOK

GLENN HAUSER
University Radio WUOT
Knoxville, TN 37916



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ENGLISH SCHEDULES VIETNAM VOV slow-speed EG. to SEAs 0700-0800 on 10010 9840 7512. Other EG: 1000-1030, 1530-1630 both to SE 1800-1900 & 2030-2130 both to Eu all on 12033 & 10040 (WBI 11/79) Oops, also 0900-0930 s

U S S R We have from BECMS the complete freq sked for RMWS (plus all other R. Moscow services), but do we really want to take up two pages with it, like a year ago? I think not. I use take instead of few selected freqs for NAm (gh) ENAm 21530 Armavir (Plovdiv) 1200-1500, 15150 Minsk (Simferopol') 1100-1500, 15135 Vinnitsa (Plovdiv) 1000-1500, 9600 (Havana) 100-1500, 12060 Voronezh (Simferopol') 1500-2100, 12010 Serpukhov (Nikolayev) 1500-2200, 118 (Havana) 1530-2200, 2200-2300 on 7165 7440 9530 9765, 0400-0600 on 7150 7215 9490 9530 9 and at 0600-0700 on 7215 9530 9610. WNAms: 1900-2000 12050, 2000-2100 12050 15180, 2100-2 on 12050 15180 17720, 2200-2300 12050 15140 15180 15455 17720 (Nov UHN)

RMWS target areas & times since 23/10: 04-06 Af As Aus Eu ME ENAm. 06-13 Af As Aus E ME. 13-14 Af Eu ME. 14-16 Af Eu ME NAm. 16-17 Af As Eu NAm. 17-18 As Eu NAm. 18-20 Af Eu NAm. 20-21 Aus NAm. 21-23 Af Aus Eu NAm (WBI 29/11) This obviously disregards the Havana relay for NAm at other hours. They must be ashamed of its abysmal quality. Also note that this info provided by R. Moscow shows that Latin America is never a target of the WS

R. Moscow NAm Service sked provided by the stn is less complex, with no freq changes shown until March 2. Here is the lineup until March 1; in some cases actually 5 kHz higher: 2300-0100 17.72 15.45 15.18 15.14 12.05 11.78 9.76 9.68 9.61 9.53 9.49 7.44 7.16. 0000-01 6.15 /I haven't heard this one -gh/. 0100-0200 15.45 15.18 15.14 12.05 11.78 9.76 9.70 9.6 9.61 9.53 9.49 7.44 7.16 6.15. 0200-0400 15.45 15.18 15.14 12.05 11.78-till 0300 9.76 9.7 9.68 9.61 9.58 9.53 9.49 7.44 7.16 6.15. 0400-0500 15.18 15.14 12.05 9.73 9.58 9.50 7.17. 0500-0800 12.05 9.79 9.73 9.58 9.50 7.17 5.90.

From March 2: 2300-0100 17.72 15.45 15.18 15.14 12.05 11.86 11.78 11.73 9.71 9.61 9.53 9.50 9.49 6.15-from 0000. 0100-0200 17.72 15.45 15.18 15.14 12.05 11.86 11.78 11.73 9.71 9.70 9.61 9.53 9.49 6.15. 0200-0400 17.72 15.45 15.18 15.14 12.05 12.01 11.86 11.78-till 0300 11.73 9.71 9.70 9.61 9.53 9.49 6.15. 0400-0500 17.87 15.45 15.18 15.14 12.05 11.96 9. 0500-0800 15.47 15.45 12.05 12.01 11.96 9.79 9.58 (via Ralf F. Munster, Gk)

R. Havana via USSR 2200-2300 on 7135 (WBI 22/11) At 2100-2200 on new 11920, 9/11 (Bob Padula, Victoria) I don't think so; the time is wrong, and I hrd this fq signing off at 2140 one day, so I think this is a new fq for an old xmsn direct from Cuba (gh) Cf LN-4

R. Kiev 2000-2030 Eu 9640 7260 6020. 0030-0100 fms 17870 17845 15240 15180 15100 12060 11735 9800 7215 7150. 0300-0330 fms 17870 17760 15265 15230 11960 11690 SSB-10120 9735 961 9505 7400 7215 7205 7150 (WBI Oct-Nov) /7150 (WBI Oct-

R. Vilnius 2230-2300 Eu 6100 1577 1107 666. 2300-2330 fms 17870 15500 15240 15100 7215 V. of Armenia (sic). 0355-0400 (sic) Su/W/Th/Sa fms 15265 11690 9735 9505 (WBI Oct-Nov)

U S A WINB noted on 15250 to 1855* as VOA. Bethany opens on fq; then to 15350 1900-2000, an after 2000 on 15185 (Arthur Cushen, NZ) AFRTS on new 9660 ex-9575, Bethany *0900, QRM Brisbane (Peter Bunn, Melbourne, R. Australia DX 25/11) Due to TWR on 9575; Cf LN-4

UNITED NATIONS (actually all these xmsns are via VOA Greenville) Extracted from the VOA D fq sked, these are the standbys should UN Radio need to broadcast Security Council proceedings (as it did in early Dec). 6055 2315-0900. 6135 0515-1000, 9540 0600-1200. 9620 233 0530. 9625 0900-1300. 11905 0000-0500. 11935 1800-2345. 11960 1900-2345. 15120 0945-19 15410 1500-2200. 15415 2200-2400 & 1200-1500. 21670 1200-1800. However, at 2200 on 15410 3/12, UN Radio announced this contingency sked for broadcasts to the ME: 2345-0900 6055. 0900-1200 9625. 1200-1500 15415. 1500-1530 15410. 2000-2345 11935. (gh) more, LN-6 USA

TURKEY Following its calendar-quarter policy instead of broadcast seasons, VOT and'd 17/12 2246 that as of 1/1, its 2130-2300 EG would be replaced by: 2030-2130 WBU 11955 9550; and 2200-2300 WBU/NAm/SEAs/Lu/SAm 9515 7215 11955 9550 (gh)

TANZANIA (Cf Dec LN-3) R. Tanzania ES is back on 15435 ex-9685, at 1630-1945; also on re-activated 9750 at 0900-1030 (Sat/Sun 1530) (Richard Ginbey, RSA, DX Juke Box 14/12)

SWEDEN Due to heavy QRM on both its 2300 channels, R. Sweden was considering going back to 19m before March. Their former fq of 15275 would seem still to be the openest (gh) As from 23/11, 1600 to SAs/ME changed to 15435 ex-15240, /6065 (Gunilla Arnö, RS, SCDX 27/11)

SWAZILAND TWR Manzini sked shows EG at 1730-1900 on 11840 (RA DX 2/12) 1530-1700 GMT (Ginbey)

SRI LANKA SLEB as of 1/1/80: As 0030-0230 6005 9720 15425, 0230-0430 9720 15425, 1230-1730 6075 9720 15425. The 1030-1130 xman is to Au on 11835, Japan 15120, SEAs 17850, 1745-1945 ME 11800 15120. 1845-1945 EAF 15115 17850 (Mark Ward, SCDX 18/12)

SOUTH AFRICA As of 1/12, Radio Five extended on Fri/Sat to 2400* on 3250 and 8 MW freqs (Gin-/

SA'UDI ARABIA BSKSA sked for 20/11 onwards, effective Muharram 1, shows EG 1100-1300 and 1800-2100 on 11855, both to zones 48, 52, 53 (via Dan Ferguson, WV) 11854 (gh) more, LN-13

ROMANIA R. Bucharest D79: 0130-0230 NAm 11940 11840 9690 9570 9510 6180 5990, 0400-0430 NAm 11840 9690 9570 9510 6180 6155 5990, 0530-0600 Af 17745 15365 11840, 0645-0715 Pac on 17805 15335 15255 11940, 1200-1230 As 17890 15345, 1300-1330 Eu 17850 15250 11940, 1500-1530 As 17765 15335 11775, 1730-1800 Af 17720 15365, 1930-2030 Eu 9690 7195, 2100-2130 Eu 7195 5990 (WBI 11/79) This checks with sked sent by stn, except that 15340 is listed instead of 15335 at 0645 & 1500; and an additional fq at 1730 is 11775 (via Ruth M. Hesch, NY)

POLAND I have been hearing recently the European svc of PR-W with good sigs at 0630 on 9675 and 7270, often better than either of the NAm broadcasts (Charles George, TX) Full sked: 0200-0225 & 0300-0325 NAm 15120 11815 9525 7270 7145 6135 6095, 0630-0700 Eu 9675 7270 6135, 1200-1230 Eu 7285 6095, 1230-1300 Af 15120 11840 9675 9525, 1600-1630 Eu 9540 6135, 1630-1725 Af 11845 to 1700 9675 9525 to 1700 7125 6095 from 1700, 1830-1900 Eu 7285 6095, 2000-2030 Af 9675 9525 7145 7125, 2030-2100 Eu 7285 6095, 2230-2300 Eu 7270 7125 6135 5995 1503 (WBI 11/79)

PHILIPPINES RVA hrd at 1430-1500 on new 9605 (Björn Jacobsson, Borås, Sweden, SCDX 11/12) At 0030 & 0300 on 15285 ex-15390, rest same (Deepak Amarnani, Pune, India, SCDX 11/12) Philip-pines News Agency via FEBC facilities, noted 0825-0858 6/11, 7/11 with nx commentary and folk ex. ID as "Broadcasting Service of the Philippine News Agency". Also ancd xman on 15440 at 10:30—I guess this is 0230 GMT Mon-Fri (Leigh Morris, Palmerston North, NZ, 20/11) fq; LN-13

PAKISTAN R. Pakistan slow-speed NX 1600-1615 now on 17660 21635 to Af, 17910 21485 21755 to Gulf & ME (Noel Green, Dec DSWCI SW News)

NETHERLANDS RN is now using the far out-of-band fq of 17605 even more per DX Juke Box 6/12, ex-17695 at 0700-0720 to Waf, as of 12/11. And as of 10/12, at 0930-1020; and at 1330-1420 ex-6020. It had been designated as experimental during part of this time (gh)

NEPAL (Cf Dec LN-14) Since 19/11 R. Nepal DS, and ES in EG obs on 7105; 7174 no longer hrd. (WBI 29/11) Obs since then show 7105 in EG at 0220-0230, 1435-1520 (WBI 6/12) On 7105 since 21/11 // 9590 (Victor Goonetilkeke, Sri Lanka, ADXN Dec)

MONGOLIA (Cf Dec LN-2) Recent UBR ES survey shows EG daily exc Suns 1220-1250 on 12070 and 6383; and 1715-1745 on 9575 and 7260 (WBI 6/12) RUB coming in at about SIO 333 for several days on 12070 at *1220 (John Pavelka, Pittsford NY)

MALTA/LIBYA SPLAJOBs obs 1500-1530 on 7120 in EG, ancd as daily, and with addr in Libya and Malta. This fq registered since Mar 79 in ITU IPRB HFBS as 250 kW Cyclops (WBI 6/12)

KUWAIT R. Kuwait: 0500-0800 21545 9650 1341, 1800-2100 9650 15345 11665 1341 (WBI 13/12) 11665 ex 11690, Cairo co-channel QRM, but Kuwait on top (Noel Green, BBC WRC 25/11) also noted on 11665 28/11 2010 (Maxfield Greenwood, PA)

KOREA SOUTH R. Korea sked, identical to their ancd sked; 45 mins: NAm 0400 9720 11830, 1800 11830, LAm 0230-0300 (sic) 11830 15350, Eu 1245 9670 12090, SEAs 1245 7550, Gen 0400 15570 9640, 30 min: NAm 1600 9720 11830; 2300 11820 15570, LAm 1000 9580 11725, Eu 0730 9670 15570, 2000 7550 9670 2300 7550, ME 1600 6480 9870, Af 2000 6480 11665, SEAs 1000 9525, Gen 0730 9640 11810, 1000 6135, 2300 15385; dated 3/11. I confirm NAm svc as given, except for the 0400 xman (James C. Clifford, Lawton OK)

KAMPUCHEA VOPK provides good reception on 9695, and 11937, the latter appearing to have boosted power considerably, EG at 1200-1215 (Peter Bunn, Victoria, RA DX 25/11) On 9694 at 1200-1215, SIO 222 (John Pavelka, Pittsford NY)

ISRAEL Updating Dec LN-2, IBA at 2000-2030 to Eu on 11765 9815 7412; Af 17685 9425 9009 (Richard A. D'Angelo, Wyoming PA) Sure about that 1765? sked shows 11960 & 11655 (gh) /More LN-13

INDIA AIR GOS on new 11765 ex-11770 *2245-0115* to As 16/11 (Bob Padula, Victoria, 18/11)

GREECE VOG D79 as amended 25/11: NAm 0015 9515 9655 11730; 0215 9515 9650 11730, 1215 on 21570 17830 11730, 1515 17830 15125 11730, Eu 1920 7205 9530 7125, 0915 Au 9760 9655, 1015 Jpn 5995 11845, 1815 SAs 17830 15345 11925, 2315-9615 5970 SAm (via Derek McElhinney, Reno NV) Times assumed from longer blocks, mostly Greek (gh)

GERMANY WEST DW D79: 0120-0220 As 11945 9690 7285 7210 6065, 0130-0150 NAm M-11865 9605

M-9565 A-9545 M-6100 6085 A-6040. 0430-0515 C&Eaf 11765 9765 R-9565 R-7225 7150. 0530-0550 WNAW A-11705 A-9545 6185 6100 5960. 0600-0630 Waf 17875 15275 11905 11765 9700. 0930-1030 As & Auka 21680 R-21540 R-17800 17780 15275 11850 9650. 1045-1115 C&Eaf 21600 21500 17875 17765 R-15410 R-11785. 1200-1245 Waf 21600 17875 R-17765 R-15410. 1715-1745 C&Eaf 21600 15135 R-11965 R-9735. 1720-1750 As M-17825 M-15405 11785 9590. 1745-1805 C&Eaf 21600 15135. 1930-2000 Waf 17795 15150 9765. 2100-2200 As & Auka 9765 7130. R-Rwanda, M-Malta, A-Antigua (WBI 11/79 per DW)

FRANCE PGA on RFI at 1705 noted on 21515, very strong, ex-21675 (Rolf Gunnar, CO, 30/11) /and Richard A. Lucas, Gk

FINLAND R. Finland: 0330-0400 9645 11755. 0930-1000 6120 11755 15270 21465. 1300-1330 6120 11755 15265 15400. 1430-1500 6120 11755 15400 21475. 1930-2000 9770 11755 11835. 2130-2200 9770 11835. Sundays also 0800-0930 11755 15270 21465; 1300-1430 6120 11755 15265 15400 (Gordon Darling & Ian Iredale, WDXG Contact, except for 0330 9645-gb)

ECUADOR HCJB to Eu 0530-0800 on 9760 and 11960, 0800-0830 on 9760 and 11825 (Wolfgang Buschel, WDXG Dec) If all else fails, try 26020 khz for HCJB (gh) Also, 15115 adjusted to 15120 at 0230-0600, escaping Peking 15115, but still some other QRM (gh)

CHILE LVCH D79: 0000 15140 17800. 0130 15140. 0230 11890. 0330 11720. 1000 & 1100 & 1230 on 17790. 1600 21555. 1700 & 1800 15295. 1930 & 2100 17715 & 17790. 2200 15150 17790 and 17800 (Steve Webster, RCI DX Digest 25/11) LVCH never announces fqs. but they do announce times at 2225 25/11 on 17792 the times just given checked, except 0430 instead of 1000 and 1330 instead of 1600 (gh) A partial survey of LVCH shows: 1930 17791 17715. 2100 17791 17715. 2200 17798 17791 15150. (WBI 6/12)

CHINA R. Peking: 0000 ENAm 17680 15520 15115 11845 11696 8300. 0100 ENAm 17680 15520 15115 11696 SSB-10865 8240. 0200 ENAm 17680 15600 15115 11696 10865 8240 0300 WNAW 15230 12055 11650 SSB-10865 9460 8240. 0400 same except 10865 not SSB. 0830 ANZ 17635 SSB-15480 15125 12450 11725 11600 9460 8425 6995. 0930 same. 1200 ENAm 9820. 1200 SEAs 17700 15300 9390 8240 6520. 1300 same. 1400 SAs 11650 9860 6810 5295. 1500 same 1600 E&Sf 15135 9860 6810 5295. 1700 same. 1800 SAs SSB-8660 6590. 1930 N&Wf 11695 11455 9880 SSB-8450 6955. 2030 same. 2030 Eu 12450 SSB-8660 7470 6860 6590. 2130 same (WBI 11/79) I find that R. Peking comes in better at 1600 on 9860 when to E&f, than in the eve to Nam (Gunnar, CO, 30/11) EG language lessons heard 20/11 ending at 1400 on 4975, list Fuzhou (Richard A. Lucas, Gk)

BULGARIA Just when we get used to one sked, R. Sofia changes it; or more likely, R. Moscow needs change, and Sofia has to fall in line. 15/12 at 0430 noted Sofia now on 9530, and RWWS on its former 9765. 16/12 at 2130, Sofia on 9530 and 9665, ex-9765 (gh)

BELGIUM Well, it's another season of ERT Belgium being flushed down the toilet on 6080 and 9685. I can't understand why they can't see the light and just stay on 11715 /and 15175/ (Charles Kristan, Pk) They did: After being out on strike a couple weeks, still on 11715 at 0015-0100; however on 15/12, they were on 11700 instead, currently a nice clear channel; a few nites later I couldn't find them on any fq (gh) 1705-1750 to kf on 17730 ex-17745. // 6010 Eu (Ward, V&Laf, Bnke, SCIX 4/12)

AUSTRIA ORF at 1230 to Nam on 21655 ex-17860 (Noel Green, BEC WRC 9/12) Another good move: Now one can actually listen to "Austrian Musical Trip" on Sundays or "Profile" and "Post Box 700" on Mondays, without much distracting QRM. Should have stayed on 13m, or dared 11 (gh)

ALGERIA Algiers noted with English language lesson at 0905 on 15155 and 9610 (Robert Chear, France, SCIX 4/12)

ALBANIA (Cf Aug LN-1) R. Tirana sked shows no changes except the 1730 kf is on 15440 (WBI/

(11/79)

OTHER SCHEDULES

VIETNAM Lang Son obs on 5952 at *1130-1230* with local pgms in Vietnamese, first hrd 15/11 (Takumi Yamazaki, Akita, DXFL) Gia Lai-Kon Tum obs on 4687 at *1015-1215*: 1015-1030 unknown lang, Jazal or Rade? 1030-1100 local pgms in Viet; 1100-1145 relay Hanoi pgm-I in Viet; 1145-1215 unknown Khmer-type lang (Yamazaki, DXFL) The 1015 lang is the same one formerly on VOV at 1130, and uses same distinctive theme ax: (Isao Ugusa, DXFL ed.) Lai Chau on 6011 at *1136-1240 plus, first noted 12/11; *1136-1145 opening ax, 1145-1230 Viet local pgms, 1230-1240 Meo-Dao type lang, //4652v (Yamazaki, DXFL) Hoang Lien Son, 5604; 1000-1030* & *1200-1215 Viet local pgms, 1215-1230 Meo-Dao type lang; 1230-1245 unid lang, "YI"? 1245-1300 Tay-Nung type lang (1300* except Sun & Thu), 1300-1330* Viet local pgms Sun/Thu (Yamazaki, DXFL) Son La on 4770 and 6330 at 10057-1100*, *1130-1230*, *1300-1400*: 71005-1030 ax, 1030-1100* Tay-Nung, *1130-1200 Meo-Dao, 1200-1230* Tay-Nung, *1300-1330 Viet local pgms, 1330-1400* Tay-Nung (Yamazaki, DXFL) Bac Thai 6905v dropped *1030-1100* xmsn in Nov; but still at *1200-1230 in Viet dialect, 1230-1330* Viet local pgms (Isao Ugusa, DX Front Line, 2/12)

U S S R R. Moscow's "Polar news bulletin" in Russian for the western sector of the Arctic is currently at 1530-1600 on 9615 and 7120, Mon & Thu only (WBI 6/12) Radiostantsiya Tikhly Okean (Pacific Ocean Radio Station) at 0710-0800 on 21690 21445 17850 17815 15310 15295 15280 15130. 0710-0810 on 21505 12070 9810 9620 SSB-7490; and via Khabarovsk 7210; Petropavlovsk-Kamchatka 4485; Yushno-Sakhalinsk 4050 3995; Vladivostok 5015; Magadan 9600 9500 7320 5940 and 4030 Sat/Sun. At 1930-2030 on 11900 9810 9625 7330 7315 7280 7260 7125 6000, Vladivostok on 5015. (WBI Oct-Nov) Fqs to USA/Alaska waters: 0710 4030 4485 7320 9500 9600 9620 9810 11910 12070 15310; 1930 5015 6000 7125 7275 (7330 & 9810 to Mar 1)(11639 & 11770 from Mar 2) (UHN) ITU registrations of Habana via USSR: 7140 100 kW UK & France 2100-2300. 9550 120 kW Waf at

2100-2200. 9720 120 kW NEAF 1800-2100. 11920 200 kW Caf/Saf/Saudi/Central USSR-troops there? 1800-2100. 17765 200 kW, same targets as 11920, 1500-1800 (IFRB circular 1394, 20/11, Magne)

USA I hrd VOA 20/11 at 2010 on 21590 announce that starting 21/11, VOA would start a daily pgm in Persian at 0300 on 6060 7115 9745 (Peter Schipelliti, Burlington MA) Only 7115 audible here, to 0330* (gh) VOA increased weekly output in Persian from 3h30m to 10h30m, by adding two half-hour pgs. 0300-0330 from Greenville 9530, Kavala 9745 7115 6060. The other, from Rhodes 1260 kHz 1915-1945 since 20/11 is a repeat of 1830-1900. The latter was inaugurated on 8/4 and is currently hrd on 17775 15160 11825 9585 (WRI 6/12) It seems VOA output is directly proportional to the hostility of the target audience. Also, their neglecting to mention Greenville 9530 in the annt hrd by Peter further confirms my impression that they regard as 'nothing but feeders' xmsns from Greenville, even tho they may be 250 or 500 kW! Well, if they're not even worth mentioning to potential listeners, they ought to get the hell out of band and quit messing up domestic SWLs' attempts to hear foreign broadcast: (gh)

SWEDEN (Cf Dec LN-5) R. Sweden HS on SSB since 12/12 to 1Am 1800-2130 is entirely on 15190 instead of switching to 25m at 2000 (STA via SGDX 11/12)

SAUDI ARABIA BSKS SW sked effective 20/11 to 2/3/80 includes: Arabic: 1100-1700 21545, 15060 1500-1700-2000-2300. 21605 1700-2000-2300. 11950 0300-0730. 9720 7220 5875 1000-2300. 11870 0500-1500. 7290 0500-0830 & 1000-2300. Holy Qur'an 0600-0800 17815 21625. 0800-1100 17890 21625. 1800-2100 15240 11685 (via Dan Ferguson WV) The DS in AR from Riyadh continues to be obs at various times on SSB: Morning: 15667 15576 13522 13462. Afternoon: 13522 11175 11092. Evening: 10932 10548 7860 6808. Usually no more than two at a time; fqs vary several kHz day to day (WBI 13/12)

PAKISTAN PBC D79 HS skeds include: Islamabad API1 100 kW 0130-0210, 0230-0430 on 7095. 0830-1000 & 1010-1013 (Fri only) 9545. 1300-1600 7095. 1615-1800 5060. API2 100 kW 0130-0230 on 5060. 0400-0803 & 0830-1130 9645. 1145-1400 7375. 1435-1800 7135. API7 10 kW 0130-0230 & 0250-0325 9545. 0600-0603 & 0700-0703 & 0800-0803 & 1000-1010 (Fri 1013) & 1050-1057 all on 11815. 1145-1300 11915. 1435-1700 9545. Link Service from Karachi: 0445-0700 11705 10 kW. 0515-0615 11672 50 kW. 0715-0830 11705 10 kW. 1215-1315 11672 50 kW. 1300-1600 11672 50 kW. 1615-1745 11705 10 kW. 1700-1930 9460 10 kW (Noel Green, Dec DSWCI SW News) 21780 is new fq for Arabic 1215-1315, ex-21575 // 21755 (Peter Bunn, R. Australia DX 25/11)

NICARAGUA V. of Nicaragua obs "1000-0555" on 620 kHz, also announcing SW 11840 and 5950, not hrd recently (WBI 29/11) 11/12 obs again on 5950, claiming 24h 'to Nicaragua and the World'. but abrupt 0516* (WBI 13/12)

NETHERLANDS ANTILLES No doubt due to AFRTS co-channel QRM on 9575, TWR has switched to 9560 after 0930-1100 in SP & GM to SAm. However, AFRTS also moved out, to 9660, so for a while at least 9575 is clear for Kalamit Nunat, cf LN-7 (gh)

NEPAL Obs of R. Nepal 7105 since 19/11 show it used 0017-0350, 1150-1720. News in Nepalese 0120-0130, 0320-0330, 1250-1300, 1350-1405, 1620-1630 (WBI 6/12)

MOZAMBIQUE R. Mozambique is on 3125 ex-3218 at 1600-2100 (Richard Ginbey, RSA, RNDJBE 14/12)

MONGOLIA Recent survey shows UBR ES in Std Chinese 1100-1130, 1300-1330, 1400-1430, 2100-. 2130 now on 5960 4950. Mongolian 1130-1200, 1330-1400, 1430-1500, 2130-2200 on same (WBI 6/12)

LIBYA SELAJEG DS in AR obs since 29/11 on SW: 17930 11690 9500 1000-1700. 15415 1000-1500, 15435 1500-1700. S/on varies 1000-1115. Also on 6185 from 1800. V. of Arab Homeland ES in Arabic now 1700-2210 on 17930 11790 11690 9500 (WBI 6/12)

LEBANON R. Liban in SP to SAm obs 0040 on 15240 (Wolfgang Buschel, Dec WWDXG)

LAOS National Radio-Champassak (a.k.a. Pakse) on 6599 hrd fairly well these days: -1030 Lao local pgs, 1030-1200 three 30-min minority lang, 1200-1230 relay Vientiane Lao nx, 1230-1300 relay Vientiane in Lao, 1300-1330 Lao People's Liberation Army pgs produced in Vientiane, 1330-1400* Lao local pgs (Isao Ugusa, Kobo, Japan, DX Front Line 2/12)

ISRAEL Kol Israel moved from 29720 to 29725 at 1400 Yiddish, 1430 Russian; not jammed like other fqs. (Bob Zilmer, WI) Move to avoid causing QRM to other users; if further moves are necessary, 29735 and 29702 are possible, all RC USB; sked: weekends 1000-1030; daily 1400-1515 (Larry Magne, Rockledge PA) VOI recently added more Persian, 1640-1900 on 7465 and 730 kHz, fqs otherwise 'net D'; other Persian at 0448-0454, 1645-1715 and 1730-1755. The add'l xms: raises output from 7h to 9h20m per week (WBI 13/12)

INDO R. Baghdad ES in Hebrew to Israel hrd 1530-1630 on 6171 ex-6155, // 9553 (WBI 22/11) R. Baghdad ES in Persian obs 0730-1030 on 9572 11710 ex-11725; 1300-1400 Urdu also 11710 (29/11)

IRAN VOIRI, per obs and annts, ES in AR: 0530-0830 11745. 1430-1630 7230. 1730-2130 7230 plus FM & FR. DS on SW: 15260 0600-1600. 15084 24h. 11745 0830-1400. 9770 1615-1900. 9022 1630-1730 & 2030-0600. 7230 1630-1730 & 2130-2200. 7215 1500-1800. There are considerable variations; 7215 believed in operation most of the broadcasting day (WBI 13/12)

INDONESIA RRI Banda Aceh official sked on SW: 2400 (75 watts); 2300-0100, 0500-0800, 1000-1600. 3948 50 kW 1000-1600. 4989 10 kW 2300-0100 & 1000-1600. 4981 1 kW 0500-0800. However, 3948 is obs on 3905 and 4980/4981 on 4955. (Toshiaki Takehara, Osaka, IDXR 18/11) RRI Jamb. 4927 still off the air (S. Wakisaka, IDXR)

GABON Africa Number One has been hrd testing as follows: 0600-1000 on 9710 17830; 0700-1000 on 15200; 1800-2130 on 11915, 11940 or 7180, and 15200. To ME 0600-1000 on 21640; 1800-2130 on 15265. There will be a daily EG newscast to SAF (Richard Ginbey, RN DXJB 14/12) Hrd 0600-1000 on 17830 15200 with mx, anmts in EG, FR, IT, SP, SH; also 1900-2100 on 15265 11940 (WBI

FRANCE RFI FR skeds on 11, 13, 16m: 25900 1000-1500 C&SAF. 25820 0700-0900 & 1000- (13/12) 1500 (Sun 0700-1500) EAF & IO. 21705 1000-1700 NEU. 21675 0800-0900 & 1000-1500 & 1600-1700 & 1800-1900 (Sun 0800-1700 & 1800-1900) WAF. 21645 1150-1710 NAM. 21620 0600-1700 & 1800-1900 SEAF. 21595 1150-1710 NAM. 21580 0700-1700 & 1800-1900 C&SAF. 17865 0600-1400 NEAF. 17860 1400-1700 & 1800-1900 NEAF. 17850 0700-1500 (Sun 1500-1600) 1600-1700 C&SAF. 17845 1800-2030 C&SAF. 17800 0500-0700 SEAF. 17795 1800-2030 SEAF. 17775 1150-1710 NAM. 17720 0700-1700 & 1800-2030 WAF (Horaire General) D79

ECUADOR HCJB testing 100 W experimentally, 24h on 26000; antenna toward NAM; reports wanted (DX Party Line 24/11) Already hrd 21/11 at 1330 // 17890 15115 and clobbered 11740; still in at 2100 check when not in EG; and 22/11 at 2335 in JP, CCI VOA-Philippines! (gh) Best here around 0600-0700 (Arthur Cushen, NZ) That's after midnite in Ecuador! Shows how stns, including HCJB are missing the boat by not using 11m with moderate power during solar peak; however, HCJB chose the wrong fq, already used by VOA part of day; and subject to internal carriers in rx like FRG-7; I complain about this on RCI, etc., and when checked 15/12 at 1315 they had shifted to clear 26019.5 (assuming the Soviet on 24020 I compared with was on freq) (gh) HD2IOA, Guayaquil time signal stn, sked in GMT: 0500-1700 on 3810. 1700-1800 on 5000. 1800-0500 on 7600 (Charles Kristan Jr., Delmont PA) Nothing new, except I note that in WRTH 79 the sked given is not in GMT, but in EST! IOA = Instituto Oceanográfico de la Armada (gh)

DOMINICAN REPUBLIC RTVD IS returned to the air 12/10; daily 2200-0100 on 5967v (José Rhadames Cabrera, Sto. Domingo DX Club, 26/11) Reception tough, especially when RCI in (gh)

COOK ISLANDS Rarotonga now on summer time, GMT -9½, so 0830*. Brian Clark who visited Cook Islands says the stn says 5045 is widely received (Arthur Cushen, NZ) On 6/11 to 13/11 was on 11760v, best hrd in NZ 0630-0830* with mx, mx, ads, in EG & Maori; currently have 5 RNZ, 5 RA mx bulletins & local bulletins daily. RCI since returned to 5045: 1630-0130, 0430-0830 (Leigh Morris, Palmerston North NZ, 20/11)

CHINA R. Peking has increased its Esperanto from 2 days per week to daily: 1100-1125 to Japan & Korea on 7315 9860; 1300-1325 SEAs 11685 15145; 2000-2025 Eu 6860 9380. This puts Peking level with PR Warsaw in Esperanto output (Richard E. Wood, Cape Girardeau MO) R. Peking says since 26/11, DS in Std Chinese at various times in the span 2000-1735 uses these: 17605 15590 15550 15510 11610 10245 9080 9064 7935 7516 7504 7440 7335 7095 6200 5880 5860 5320 4905 4460 3660 3220, for the First Pgm. Second Pgm, span 2100-1600 at times on 12200 11710 11575 11505 11040 10260 9775 9670 8007 7770 7190 6890 5990 5163 5075 3290. Heilongjiang PBS, Harbin announces that it operates 2040-0630 & 0830-1530 on 6149 5950 4925 4840 + MW. On Thu 2040-0510; mainly std Chinese but Korean 0300-0400 (WBI 29/11) R. Peking DS in minority langs recently obs: Kazakh 0130-0225 11375 9920; 1400-1455 11375 11040 9900; both relayed from Urumqi on 5440 4970. Korean 0400-0455 9900 8566; 1000-1055 9920 8566. 2130-2225 8566 6430. Mongolian 2230-2325 8566 6430; 0500-0555 11375 8566 (also via Hohhot 6974 4010); 1200-1255 8566 6430. Tibetan 2330-2425 15500 15045 11000; 1100-1155 15500 11000 (also via Lhaasa 9490 5995 4035). Uighur 0030-0125 11375 9920; 1300-1355 11375 11000 9900; both also via Urumqi 7050 3990 (WBI 13/12)

BOLIVIA Observations as of 1/12, from Tony Jones in Paraguay: 3353v R. San Miguel, weekday now to 0300* 3380 R. Cumbre, again 0400* ex-0300*. 3390 R. Camargo now *2130 or earlier, ex-*2230v; still 0300*. 4739v R. Mamoré currently announcing *1000, probably seasonal. 4808v R. La Voz de la Frontera, irr., seemingly minimum power - only barely audible, despite location near Paraguayan border; beware R. Frontera (Yacuibá) on 4806x. 4830 R. Grigotá still here, ex-4825 (ex-4823); seems a semi-permanent change. 4965 R. Juan XXIII, Mon-Sat afternoon xmsns now 1900-0100; rest same. 5995 Cf Nov LN-7; R. ACLO (not Aclo) is a MW outlet belonging to R. Loyola; ACLO = Accción Cultural Loyola. 6034 R. Panamericana, 0030* weekdays (SW only) ex-0130*. 6185 R. Batallón Colorados, reactivated, *1100 but difficult to check full sked (Tony Jones, Paraguay) When R. Machupo closes on 5585 at 0300 (not 0345 as in WRTH 79), R. San José de Chiquitos can be heard (Cristián S. Germain, Rosario, ADXL) You mean, they are on exactly the same freq? Same xmtr picking up different STLs? (gh) Cf LN-8

ANDORRA In 1980 R. Skandinavia will continue to be on the air every first and 3rd Sunday of the month 2130-2230, 6215 (Paul Foged, DSWCI SW News Dec)

ANGOLA (oops) 11955 is inactive; RNA clandestine pgms to Cubans are at 1700-1750 in SP, Tu/Th/Sat on 7210 (Richard Ginbey, RSA, RN DX JB 14/12)

MISCELÁNEA RADIAL XIZANG (TIBET) During the 17/11 SEAs opening, I hrd PBS Xizang on 4750 at 1128-1155f, Chinese pgm urging the Tibetan people to learn the Chinese language in order to unify the country; the translation by a Chinese friend (Jean-Jacques Bloch, MD)

ZAIRE (oops) The 5066-67 stn is not an Angolan regional, but a new stn in Zaire, per DSWCI Tropical Band Survey; La Voix du Développement Bunin, with the ID R. Gandit (Victor Goonetilleke, Sri Lanka, Dec ADXN) Any connexion with the 5070 'Saudi', Dec LN-9? (gh)

VIETNAM VOV anc'd in its Std Chinese ES that from 16/11 some xmsns would be specially produced for commanders and soldiers of the Chinese PIA including their dependents. They would be broadcast twice weekly: Mon & Thu 2200-2300; Tue & Fri 0000-0100 & 0530-0630 & 0900-1000

VENEZUELA R. Universidad, the hyper little commercial stn on 3395, has much Nam (WBI 22/11) pop and disco and Lam pop, but sometimes no ID; at 0345 they shift to EZ listening with mel-low OM who finally IDs at 0405*. But if you hear many references to Mérida, you got it (Maxfield Greenwood, PA) Partial list of stns relaying R. Rumbos nx, as hrd 1/12: R. Rumbos, R. Maracaibo, R. Barcelona, R. Punto Fijo, La Voz del Tigre, R. Angostura, R. Sucre, R. Carúpano, R. Puerto Ordaz; also three I couldn't comprehend including one in San Cristóbal (Don Moore, Bellefonte PA)

U S S R R. Moscow is using 1701 kHz for Std Chinese at 1600-2000; this has been rechecked and is thought not to be spurious (WBI 13/12) Per American sources on a jamming report, the USSR has 2500 jamming stns in operation, requiring annual funds of \$250 million (Nov WWDXC) Palana, Kamchatka on 4520 hrd 0703-0802* 18/11 (Sunday) with local pgm, mostly in Russian, but 8 mins of Koryak/Eveni lang; WWII stories; dance music, beautiful (George Poppin, CA)

U S A A new Travelers' Info Service (TIS) stn is heard on 1610, at Annapolis MD, ID 0220 22/11--boating safety tips, operated by State of Maryland; S9 at times, and on 22/11 abrupt 0305* Meanwhile, KKEE-1540 Waterloo IA has developed a strong, distorted spur on 1650 apx (C. M. Stanbury II, Ridgeway Ont) VOA-Greenville now uses 2 x 500 kW units on 15205, synchronized *0000-0200* in EG, one to Brasil, one to WSAm (Robert Jones, NSW, ADXN Dec) Unless I'm mistaken, that adds up to a million watts! (gh)

The Security Council session in early December on the Iranian crisis gave us the opportunity to see what UN Radio, VOA, and AFRTS would do under the circumstances. GMT 2/12 found 6055 the main UN Radio fq at 0159, with its own commentator; however, badly QRM'd by usual fq occupant, BBC Spanish at 0212-0415; UN ran to 0430*. Down on 6030, AFRTS was carrying NPR live coverage of the same thing; at 0218 check of VOA channels, found yet a third version of same thing on 17865 15240 15205 7270 7200 5995, mostly Greenville and Monrovia off-the-air; west coast Delano 17740 and 21460 was running a couple of words behind, being satellite-fed. On GMT 3/12 checked at 0035 and found VOA missing from 6130, probably needed xmtr elsewhere: 9620 UN Radio coverage in French; 6055 English; Russian coverage of Security Council was on 9640 (normally VOA-English) and at 0108 VOA ID, so VOA service rather than UNR. VOA English with UNSC on 9650 11740 15205 15240 17730 17865, 17740 echoing behind. This time AFRTS was on regular pgm sked, as was VOA Spanish on 6190. Next session sked to start at 2100 was delayed 91 minutes allowing UN Radio to fill with lots of nice classical mx on 15410 (switching to 15415 at 2200 due to DW-15410) and on 11935. So watch what happens next time (gh)

UKOGBANI BBC-1 TV audio hrd here at 1400 25/11, tennis match live; poor-to-fair on 41500; and on 41460 "BBC-1" but different pgm 1715 8/12 sports, wx, pgm prevue, nx; poor to fair; is this Northern Ireland? On a Bearcat 250 scanner, 2-foot whip (Bob Zilmer, WI) Several WTFDAers have succeeded also in pulling in corresponding video on 45000+ with special receiver adaptations, quite a thrill, tho smeary (gh) See LN-13 for info on WTFDA

UGANDA R. Uganda pgms consist of brief commentaries mixed with nearly non-stop mx; they have only about 5 records, including "Rivers of Babylon", which they play over and over (WRDXC via

TURKEY Per the VOT rep at ANARCON 79, the non-VOT low-power SW stn xmtrs were donated by USAF personnel; this explains the strange out of band fqs (Larry Magne, PA)

TAIWAN Cf Nov LN-5; typo, 28520, not 25820! (gh) VOFC is well heard on 15270 at 2140 (Jim Conrad, IA)

SURINAME R. Apintie, 4794, sometimes gives an ID like "R. Colcha AM-FM", e.g. Sun 0900 9/12; 4/12 at 0930 it was "R. Apintie AM-FM". Programming attending these two IDs appear identical in both lang and mx, and I'm certain they are the same stn (W. Maxfield Greenwood, PA) The official name of the lang referred to in reports of R. Apintie is Sarnami Hindi, rather than 'Hindustani'. As such, it enjoys a degree of official recognition, e.g., prizes for writers (Dr. Richard E. Wood, Southeast Missouri State University, Cape Girardeau; 5/12)

SOUTH AFRICA R. RSA considers regular broadcasts to Australia as not viable. Reliability at optimum listening hours is computed to be less than 20%; likewise R. Australia to southern Africa--reasonable during summer, but rest of year sporadic, or even non-existent. Per P.V. J.M. Martins, R. RSA Technical Services (Bob Padula, ADXN Dec) Exactly the same situation as the circuit NE Europe/N America, too subject to the auroral zone, and great seasonal variations in darkness/daylight on the path (gh)

SOLOMON ISLANDS (Cf Dec LN-9) I am still looking for reported clear 9545 channel 1030-1130 --I can only hear DW and sometimes Brazil R. Universo mixing (Syd Osterman, Ont.)

SAUDI ARABIA During the period 20/11 to 28/11 there were almost daily changes in SW xmsns, both in time and frequency. These are believed to have been a result of broadcasting alterations connected with the recent events in Mecca (WBI 29/11)

PERU (Cf Nov & Dec LNs-5) R. Tarma, Junín is a new stn on 4770, 400 watts, hrd at 0500 testing and asking for reports from overseas to Casilla 167, Tarma (Nov NZDX Times)

PAPUA NEW GUINEA, say the country's latest stamps; cf Dec LN-5. Papua Nlugini is the name in

only one of the three national languages, Tok Pisin (Neo-Melanesian), not the other two, English and Motu (Richard E. Wood, MO) So what is it in Motu? Their turn now (gh) Radio West Sepik opened on 4/12, on 1593 10 kW, 3205 2 kW (John Mainland, NZ, via Cushen)

NICARAGUA (Cf Dec LN-8) Miskito is the lang of a widespread Indian tribe with a black admixture found on the Caribbean coast of Central America. In the XIX century, the "Miskito King" was a British puppet controlled from Belize who effectively kept the Caribbean coasts of Honduras, Costa Rica and Nicaragua under Anglo-American control rather than that of the Spanish-speaking governments of the respective republics. Miskito from R. Chinita /sic/, ex-R. Atlántico, may be a first on SW, but years ago I received a gift record of Miskito mx fr R. Juticalpa, Honduras, which may also have broadcast the music. I do not know whether Miskito is related to Mosquito or is just a coincidence; perhaps an English-Spanish popular etymological interpretation of a native word (Richard E. Wood, MO)

NEW HEBRIDES An amnt from RNH hrd on 7260 around 0815 7/12 said it could also be hrd on 3945, 1125 and 98 MHz (WBI 13/12)

MEXICO R. Mil, XEOY in Mexico City, broadcasts on SW 6110 kHz as well as MW 1000 kHz, 24h (José Luis Oliva, SCDX 20/11) I doubt this; used to be on 6010 with almost zilch mod (gh)

MAURITIUS 9709 has been hrd for the first time in many years at 0920-1300* (Richard Glnbey, RSA, RN DXJB 14/12) If it's that hard to hear in nearby South Africa.... (gh) Hrd around 0200-0600 on 4854.8, and spurious 9709.75 (no reporter, Nov WWDXC) Sez who? (gh)

MALI R. Mali is hrd on 4783, ex-4825, 2145-2300, first noted there 14/11 (J-J Bloch, MD)

KALAAIT NUNAAT is the way Greenland reads now on stamps, alongside Danish Grønland. A year before you switched to "Kalâtdlit Nunât", Greenland had switched away from it. Greenlandic spelling was reformed in early 1978, abolishing the grave accent, not found on most Danish typewriters sold in Greenland (Richard E. Wood, MO) Godthaab 9575, noted *1000 (earlier than listed and recently obs in NAM) with church service, presumed Greenlandic. Lang changed at 1015, presumed Danish, until 1030 fade-out. Revealed now that USSR off at this time period for D79; and TWR shifted to 9560. First time noted Godthaab on 31mb -- last hrd several years ago on 5987; via shortpath, substantially darkness; as of 10/12 (Padula, Australia)

JAPAN NSB and KZOO-Hawaii will repeat their link-up of last year with a special all-day project 23/11--live reports from Hawaii, studio discussions by celebrities, etc. The day-long project begins with NSB's EG pgm "Tokyo Forum Get-Together" at 0030 on 3925 6055 and 9595 (NSB via SCDX 20/11) Like certain other insular countries, Japan likes to use local time, not GMT.(gh) KZOO IDs, wx, in EG and JP hrd after 1615 22/11 GMT (Rolf Gunnar, CO)

ISRAEL Cf Dec LN-8. Jacobo Timlyman is, surely, Jacobo Timmerman, ex-publisher of La Opinión (Don Jensen, WI) The Argentine-Israeli is Jacobo Timmerman (Richard E. Wood, MO) Timmerman (NY Times via Magne)

IRAN They were on 9033 till the C.E. said to one of his underlings "Ayatollah you to broadcast on 9022"; a very Tehranical situation there at the moment (Bill Whitacre, MI, WDXC)

INDONESIA (Cf Dec LN-14) RRI Jambi, *2226 with bird chirping, NA, ID, on 4927; RRI Ujung Pandang on 4753 around 2140 many afternoons, listed *2130; sometimes MOR-EG mx, otherwise 'island' style; can be quite strong (Michael Bolitho, Toronto, Ont.)

GUYANA 5950 noted running late, past 0430, with cricket (Jim Conrad, IA, 6/12) Action Radio with test cricket on 5950 0600 past 0930 (Noel Green, BBC WRC 9/12) Certain dates only.

FINLAND Radio Finland, External Service, has a new location and a new address for 1980: Box 10, SF-00241, Helsinki (RIB; WDXC Contact)

FALKLAND ISLANDS Since April 1978, FIBS has been using one of two airport transmitters on 2370, a Redifon Granger unit rated at 5 kW. When first put on the air by Cable & Wireless, it was operated at just under 2 kW, and there are apparently no plans to use it at full power. Antenna is a horizontal log-periodic, beamed at about 320°. Because of a fault in that xmtr at the end of May, an older Marconi xmtr with a single T antenna is being used while spares are awaited. Rating of the Marconi is 7 kW SSB, but probably the power used in AM is less (John Campbell, Nov NZ DX Times) 320° is across Concepción, Galápagos, Acapulco, Chihuahua, Deming, Boise, Vancouver (gh) Stn noted on 2370, presumably FIBS, with BBC news at 0100 23/11, 24/11 and 5/12, but not // BBC WS. Ironically, 5/12 is the first date that LRA36 was not hrd, tho we assume due to tech problems rather than ionospheric condx (C. M. Stanbury, Ont., SWNS) Cf Nov LN-7--hearing BBC nx at 0100, Whitacre must have assumed it was a live relay rather than delayed; as BBC never has news at 0100 (gh)

EQUATORIAL GUINEA (Cf Dec LN-8) 5005 actually alternates with 4925a; 11/11 hrd with R. Malab ID on 5005 // 6250. Other days noted on 4925--fq use is irregular, but whatever the fq, it is often the strongest signal on 60m around 2100 (Michael Bolitho, Toronto, Ont.)

CHILE LVCH language segments are in half-hour blocks, but the sequence of languages varies almost daily (Bob Padula, Victoria, R. Australia Japanese DX Time 25/11) COSTA RICA LN-13

CYPRUS CBC noted on another new frequency at *2210 8/12, 9585 (David L. Walcutt, TX)

COLOMBIA LV del Cinaruco de Arauca has raised power from 1 to 5 kW on 4865 (Cristián S. Germain, Rosario, Dec-Jan ADXL) 25/11 from 1350 LV del Llano on 30574, 5 x 6115; IDs, EST TCS

and ads, giveaways in pesos; distorted; often at threshold level, but peaking around 1440 when any European 30 MHz harmonics also audible; at 1445 check, LV del Centro de RCN also in on 304743 with "Ventana de los Recuerdos"; also distorted, but a bit stronger than Llano. At 1513, 24180- found to be // 30474; the 4th harmonic (gh)

CHINA R. Peking have a new lapel badge available on request (Mark Fulwell, Dec WDXC Contact) Gansu PBS, Lanzhou, and c'd that it's on 6005, 5970, 4867 and 873 kHz. Like the Inner Mongolian PBS in Hohhot, this stn no longer broadcasts the anthem "East is Red" or the "Internationale" at sign-on and sign-off times (WBI 22/11) R. Peking HS-I is a regular around 2200 on 4905; interesting to note that at 2130 the presumed Brazilian is dominant, but by 2200 it is the Chinese on top; can be quite strong. On 4925 at 2201 a stn with Peking style format, YL & OM alternating in oriental lang, 14/11. WRTVH lists Heilongjiang regional (Michael Bolitho, Toronto, Ont.) R. Peking in Spanish at 2320+ on 4760 //5200; very strong signal 15/11, very strange reception (Jay Nobello, Endwell NY) A short-path phenomenon that time of year, along the terminator (gh)

CANADA RCI blew four main water-cooled capacitors in the final stage, costing \$20,000 each within a period of a few weeks; so all 250 kW xmtrs since 13/11 are being run at half power, since no more spares are on hand and replacements are hard to get. It is thought that ionized water may be the problem (Bonsoir Africa 24/11; DX Digest 25/11)

BRAZIL R. Globo has been using 15313 irregularly for several weeks, //6035 11805. R. Clube de Dourados, new since Oct on 3375 //720 MW, to 0400*; had previously tested without IDs. On 3570, an unID R. Educadora (possibly '3 de Junho' or '3 de Julho') sometimes hrd to 0400*, QRM/QRN permitting. Beware Argentine hams, who sometimes relay broadcasts as a filler (Tony Jones, Paraguay, 1/12) R. Guaíba, Pôrto Alegre, 720, 5965, 11785's chief engineer, Paulo Deniz is also a member of the DX-Clube Pôrto Alegre. Reports should be directed to him at R. Guaíba, Rua Caldas Jr. 219, 90000 Pôrto Alegre, RS, Brazil. The stn issues a multi-lingual QSL card; reports in English are OK. One IRC should be enclosed (Don Moore, 3MIDX, PA)

BOLIVIA For those who may wonder why the skeds of many Bolivian stns take off the local afternoon, there is a valid reason. The Dir. of R. Padilla, Prof. Luis N. Palma S., says in many areas the electricity is shut off for a few hours each afternoon; due to a national rural electrification plan this will soon end, and we can expect those Bolivians to be on the air at high noon! (Don Moore, Three Mile Island DX Association, Bellefonte PA) (Cf LN-5) R. Machupo on 5585 gives a good ID at 0100; this stn IDs as transmitting from San Ramón de la Ribera, not Sierra as in the Newsletter (ADXL Dec-Jan)

BHUTAN Bhutan to introduce own standard time. Siliguri, Sept. 26--Bhutan has decided to introduce its own standard time from October 1, according to the Secretary, Ministry of Communications, Royal Government of Bhutan, reports PTI. BST will be set at 34 minutes ahead of Indian Standard Time. He said Tongsa, situated at 90.5° longitude, had been chosen for the calculation of the BST (The Statesman, 27/9, via IDXC1 DX Digest) Too bad they didn't pick a place at 90.0! So BST is GMT + 6h 4 minutes. Ah, such splendid isolation where they can get away with such nonsense (gh)

BELGIUM Brussels now on new 21495, apparently ex-21475, for Dutch *1025 (Bob Padula, 3/12)

AZERBAIJAN Baku noted on 4785, 0341-0430 2/12, seems extended sked; lang similar to Persian, talking about US, Khomeini, etc.; several trumpet fanfares between talks; 4 pips at 0400 then Russian ID and sounded like EG "Baku Calling". 3/12 0235 out of tune piano--possibly dance or ballet lessons--not lively enough for exercises! Perhaps victory dance lessons for Iranians! (Syd Osterman, Ont.)

AUSTRALIA In Sept 1979 R. Australia invited Chinese listeners with questions about Au to write to a PO Box in Peking. In the first two days, 16150 letters and cards were received, causing the PO to appeal to the Australian Embassy for help with the flood of mail. On the following days, the letters were still coming in at a rate of 5000-6000 per day from people all over China, which would indicate that the evening xmsn from Carnarvon on 11760 has a huge audience (SADXC via WDXC Dec) R. Australia is closing down the Listeners Club, and QSLs will be available only one month per year (Glover 16/12 Mbg via Conover, KY) Amazing the LC has lasted this long, what with RA's lack of staff to run it (gh) The club is disbanded as of 1/1/80 due to management policy, staff shortages (Warren Moulton, Club Forum 22/12)

ASCENSION (Cf Dec LN-7) The BBC subsequently realized there was a problem with the 11820 xmtr, a faulty synthesizer putting out the spurs on 11640 and 12000, and it was fixed by 16/11 (RCI DX Digest; Larry Magne)

ANTARCTICA There seems to be no doubt in the Argentine press that LRA-36 is actually in Antarctica (gh) Army Commander-in-Chief Lt. Gen. Roberto Eduardo Viola says its establishment there represents a significant reaffirmation of our sovereignty there, an exercise of our legitimate national rights on the Antarctic Continent (Clarín, Buenos Aires, 21/10 via ADXL) Viola adds in his dedicatory speech broadcast on the station that the station forms a permanent link between the Argentine Antarctic and the rest of our territory. It is named for the Archangel Saint Gabriel, patron saint of communication weapons, as a reaffirmation of the unbreakable Christian faith of our institution and of the mass of our people... (La Razón, 20/10 via ADXL) It's also billed as the southernmost radio station in the world conveniently ignoring AFAN McMurdo; the US, tho it has bases is not neo-colonialist like Argentina (gh)

Transmitting and other equipment were donated by the National Posts and Telegraph Agency. Reception after 0055 has been ruined by AFRTS. A female voice was first heard 1/11 at 0120; wives of the men operating the base are accompanying them. LRA36 joins LRA1 R.Nacional Buenos Aires for a news bulletin at 0045-0100; the march at s/on 0000 is that of the Argentine Army; at s/off 0200 or 0205 or 0210, the Capivarí military march of the army (Emilio Pedro Povrženić, Rosario, ADXL)

ALGERIA While listening to 15367 10/12 0312, hrd melodic RTTY-like QRM on same fq, over announcers' talk in AR. Short & long bursts of varying tones, some as short as a second, some up to a minute plus; some were two-tone alternating about the speed of RTTY 'idling'. What's going on? (Jay Novello, NY) Probably PTT at same xmtr site, and usual Algerian incompetence.

FUTURE PLANS 1981 Per the underground newspaper International Times, Nov. 1981 will see earthquakes, tidal waves and adverse weather which may black out all telecommunications worldwide for 2-3 weeks as the 9 planets align in front of the sun. When this happened before, in the XIX century, fireballs were seen over England and people were blown off their feet in London. Looks like R. Tirana will have to spend an extra month in the tomato fields next year (Mark Fulwell, Dec WDXC Contact)

W A R C New broadcast bands have been approved at 9775-9900, 11650-11700, 11975-12050, 13600-13800, 15450-15600, 17550-17700 and 21750-21850. The new bands, however, won't be available until 1989, in order to provide time for present fixed services to be reaccommodated (George Jacobs, Mail-a-Prop 79-24) Canada has been authorized the band 3950-4000 for its internal use (Northern Service) only; and the band 7300-7400 for external services on a non-interference basis to primary users of that band (George Jackson, RCI DX Digest 16/12) Proposals to expand the 6 MHz band and to end sharing with hams on 7 MHz lost by a very narrow vote; a further conference will be held circa 1983 to deal with inefficiencies on HFBC (George Jacobs, Swiss SW Merrygoround 8/12). The MW BCB would be expanded as follows in Region 2 (N & SAm): to 1625 (exclusive) by 1987; to 1665 kHz (broadcasting primary, fixed and mobile permitted; radiolocation secondary) by 1987; and under the same conditions to 1705 kHz by 1990 (Dante Fascell, Congressional Record 28/11, via Ralf Munster) New ham bands approved at WARC are: 10100-10150, 18068-18168, 24890-24990, again with a delay to 1989 (Jacobs, Mail-a-Prop)

U S A The FCC has voted 6-0 to replace 10-kHz spacing with 9 kHz, which would allow from 200 to 1400 new AM stations, but this is not likely to take effect until the late 1980s; the issue will go before the Regional Administrative Radio Conference (RARC) in Buenos Aires in 1980, and must be approved by the ITU. Minority would-be broadcasters are expected to demand preference for licenses to the new frequencies, 12 additional channels (gh, from Alexander Auerbach, Los Angeles Times 13/12, via R. S. Brown, Ray Zantarski, Daily News via Foxworth) Right now, plans are being laid to build a new antenna that will send a signal from KGEI Radio in San Francisco Bay Area over the North Pole and right into MOSCOW! This new antenna when empowered by our 250 kW xmtr will send 10 million watts into our target area. And that is a lot of power! The total cost is \$150,000, with a \$40,000 down payment (Overstreet, KGEI)

U K O G B A N I (Cf Dec LN-12) I am pleased to be able to reassure you that the Government will not be reducing the BBC's External budget. A statement in the House of Commons 13/11 said "in 1980/81 there will be no cuts in the vernacular services or to the World Service. Audibility will be improved and overseas listeners will begin to reap the benefits." BBC ES are not going into decline; on the contrary their services will be improved (L.R. Muir, Info Officer, British Embassy in Washington, via James C. Clifford, Lawton OK, 10/12) Plans to build a massive BBC transmitting stn in the West Country are being fought by local residents worried about health hazards and disfigurement of the countryside. If the plan goes ahead, BBC will build 8 SW xmtrs, with steel masts up to 330 ft high, on the disused Henstridge Airfield to beam ES pgms to EEU, USSR, AF, SAm. The new xmtrs would replace part of an existing stn at Penrith in the Lake District, which BBC says is too far north for satisfactory results. The BBC denies there is any health danger (Robin Lustig, Observer 28/10 via Osterman) Marconi has won a major 2-million-pound order for 4 x 250 kW SWBC xmtrs to update the BBC's overseas SW service; to be installed at Woolferton, commissioning should be completed in the second half of 1980 (Clive Jenkins, WDXC Contact Dec)

SUMMER TIME This year the whole of Europe excluding Russia, and possibly Switzerland, are expected to use summer time, and this will have a major effect on pgm timing (Shapiro, WDXC)

SOUTH AFRICA R. RSA plans to add Spanish and Portuguese for S. America in 1980; I wonder what else they've got up their sleeve? (Richard Ginbey, RSA, RN DXJB 14/12)

MOROCCO MR reported in AR 15/11 that questions had been put in Parliament to the MInfo about resumption of xmsns from R. Tetuan. In reply, he spoke of the important role played by the stn during the years leading to independence and the reason that led to the stn closing in 1956, which included the fact that it was too close to R. Tangiers. MInfo reaffirmed that measures to reopen R. Tetuan were progressing and it would come into operation in June or July 1980 at the latest (WBI 22/11) 1957 WRH showed a R. Dersa, Tetuan, commercial stn on MW and 6067 kHz, 1 kW (gh)

MEXICO XBABC, R. ABC Internacional broadcasts in EG & SP on 770 kHz MW; the stns say it will soon broadcast on SW (José Luís Oliva, SCDX 20/11) 760; Oliva consistently unreliable (gh)

ISRAEL Because of financial difficulties, the implementation of a prime-time shortwave radio

External Service to the Americas has been delayed. A final decision concerning an American Service is expected early January, 1980 (IBA, Cheltenham PA, 26/11)

GABON Africa No. 1 has received 40,000 replies from listeners already. It is a French-Gabonese company, the main shareholders of which are the Republic of Gabon (majority), and the French public establishment SOFIRAD = Société Financière de Radiodiffusion (30%). Other shares are held by the French publicity agency Havas, and Paul Bory, a publisher from Monaco. Commercial use of the xmtrs has already been broadly mapped out and the first year's budget would be 20 million French francs. Revenue would come from sale of time to advertisers thru Havas, to RFI, and American protestant churches (Jeune Afrique 14/11 via WBI 22/11) Africa No. 1 will relay RFI and pgms of the World Lutheran Organization; also commercial radio is expected (Paris Calling Africa 4/12 via Richard A. Lucas, Stockton CA)

DUBAI is shown in ITU list on 21680, 300 kW, 0600-1630 to Eu; a tentative assignment only. No doubt, interest will occur for the new high powered IS from Dubai, listed for operation in 1980 (Dec WDXC)

BANGLADESH A contract has just been signed with Thomson CSF of France for the supply and installation of two 250 kW HF xmtrs with global aerial systems. These are scheduled to be commissioned by 1981 (EBU Review (?) via Dec WDXC)

ALASKA The World Christian Broadcasting Corporation has signed a contract on a 72-acre tract of land near Anchor Point on the Kenai Peninsula south of Anchorage. A 250-kW xmtr will be constructed, allowing broadcast of the gospel into Russia, Eastern Europe, China and other Far East nations. WCBC is headed by a board of 10 Christian men. Another objective is a station, possibly in the Caribbean, to beam into C&SAm, Af, WEu. The Alaskan site is on a hill sloping gently toward the north and west; the total price is \$164,000, a good buy at Alaskan prices. WCBC must raise half of this by Jan 1 to meet the down payment. An application is being prepared for the FCC license. This will be the first step toward reaching the 1.5 BILLION souls in Asia and Europe who live within broadcast range of Alaska (Gayle M. Crowe, World Radio News, via Clarence Wilson, Honey Grove TX, 9/12)

CLANDESTINE CRANNY "WDAB" may quite possibly try daytime broadcasts on 13 meters in the future. It's become obvious that anything over one hop on 49m is going to be darn hard to hit with only 50 watts. Meanwhile, we have found it necessary to become even more sporadic in our broadcast dates on 6213 kHz, but the times are simpler than ever. We will almost always be on for 1 hour between 7 and 9 pm /EST/ any night we choose, once a week, or two, or three for 90% of our shows. We will have occasional test and special event broadcasts outside of this time slot. We now have 19 states verified, and Canada. WDAB is in its 5th month of broadcasting, and seeks to determine what the record is for comparable pirates. Anybody know? We're out to smash it! (WDAB 23/11 via Ray Zantarski, NJ)

"PRN" told Richard McVicar that their QSLs have finally been printed--600 of them. They will begin sending them out shortly (Free Radio Campaign USA, Wavelength, Dec)

R. Nautilus International, from the east coast of NAM, may make their first xmsn on Christmas Eve around 0400 on 2390 with 35 watts output. They plan to move up to 6275 during the summer months. All correspondence via FRC-USA (Danny King, RNI, via Dec Wavelength)

R. Free Life, 6465; R. Porn, 6490, 'sex pirates', typically on the air 0520-0700, among as many as 25 such stns active mostly weekends, per Erich Pelzl during a summer visit to California; in the 6450-6600 range. This sounds unlikely, especially as there have been no reports of any stations of this type in authoritative US bulletins like FRENDX (John Campbell, Dec 'Unofficial Radio' column in DSWCI SW News)

R. Indiana in a letter with a QSL gives their other name as F.A.B.D.a., or French Army Brain Drive, associated. They announced tests 16/11 at 0600 and 17/11 at 0700, in the usual fq ranges of 4000-4050 or 7300-7425. Usual sked is most GMT Suns 0500, occasional GMT Sats 0500 and they say they will also broadcast occasionally on 21600 at 2100; but not hrd yet at these times. Was hrd 2/12 on 4015a at 0519, nearly blasted away by QRM; and 0417* 8/12 on 6785a in SSB! (Mike MacCollum, IN) And they say they hope to fill the gap left by V. of the Voyageur

R. Clandestine (cf Dec LN-12) supports my idea (Aug LN-14) that this and R. Highseas International are connected in some way--both around 3880, and as in LR-A, both very 'professional' sounding; also perhaps linked is "WBLO". I would very much like to hear them again to compare. Can anyone help? (Mike MacCollum, 8468 Pickwick Dr, Indianapolis IN 46260)

3890 unID 24/11, 0810-0941*, piano mx played over and over, like a chase scene, 0839 country-rock, amnts at 0920 & 0939, unintelligible; like no other pirate hrd before (Mike MacCollum)

R. Danny Boy, southern Africa, noted on 4765 and 5950 1600-1800 6/11. On the same day R. Big Daddy noted on 7210 and 15250 1600-1800 with different programming. Both obviously operate from the same site with 4 or 5 xmtrs, interestingly in-band rather than out-of-band like most pirates. R. Big Daddy has also been hrd on 9495 9520 11920 (Ginbey, SCDX 27/11; DXJB 14/12)

Moonshine R., 7350a 0455-0537* 18/11, anti-R. Moscow editorial, ID, QTH as '10 miles underground'; said they and Green River R. were part of the Alderoun Broadcasting Co; African DX tips, talk on solar flares; their first BC; report via NASWA, ASWLC et al. "Johnny Broadbeard" and "Barnyard" the ancrs; SIO 222; "We Are the Champions", off. Pse QSL (MacCollum, adr above)

R. Cavendish sent me a letter announcing tests to NAM in January 1980 on 6260 and 7320. No other info, so I assume time would be Sun 0900-1200 or so, but I'm not sure (Mike MacCollum)

R. Benelux was on the air at 0000-0130 4/11 on 7350, but nobody seems to have hrd it. Another test to NAM was sked Sun 16/12 at 0000-0130 on 9460 or 9490; also will test on those fq during its normal time of 1000-1045 Sun, probably // 6240 (Mike Burden, UK) Inaudible here (gh)

European Music Radio will test to NAM 0755-0855 on Sun 16/12 on 6235 and 7325, followed by regular pgm at 0900; reports to Kent Place, Norwell, Newark, Notts, GB (Burden)

Radio Black Fox is an English pirate testing on 4690, irregularly on different nights, usually between 0000 and 0200. Report to same address as EMR above (Mike Burden)

Radiofonikós Stathmós Ataviros Rhodou, is an example of the Greek pirates in the 1600-1700 kHz range; probably on Rhodos, irr. on 1637. Another on 1620a sked *2200-2330*; has stronges signal of the lot, when on; claims 1 kW, attempts to give impression it's on Mykonos, but probably somewhere near Athens. Record companies used to support these pirates when things were more competitive; MW pirates are decreasing in favor of FM (John Campbell, DSWCI SWN)

R. Enoch was on 6250 25/11 1100-1130 with usual programming, apologising for not having been able to transmit their World Service, but the xmtr was not quite ready. They hoped to begin it in two weeks, with 4 kW PEP SSB at 0400 on the 48mb. 6250 and 7350 have been regularly used for some time now (Mike Barraclough, Herts.)

UN Anti-Apartheid radio propaganda campaign is to be made permanent, with the budget doubled to US\$850,000 (Richard Ginbey, RSA, DXJB 14/12)

V. of the People of Namibia, hostile to SWAPO, obs 18/11 1700-1800 on 4950; EG opening anmt, commentaries in SWA vernaculars, pop mx to 1740, then two anti-communist commentaries in English read by an announcer with an Afrikaans accent (WBI 22/11) From same site as next? (gh)

V. of the Resistance, in PT and Angolan vernaculars, obs 18/11 1800-1900 on 4950, starting with IDS of a cock crowing twice and a brief tune hummed by a choir; material hostile to the present Angolan govt. "A Voz da Resistência do (Rebelde) Negro". Reports in SWBC publications indicate this stn has been in existence for at least a year (WBI 6/12) same as next?

V. of Truth (A Voz da Verdade) in PT, obs 18/11 2000-2100 on 4950, saying it was on daily with a pgm 'by Angolans for Angolans'. Hostile to present govt, but favorable to UNITA mvmt headed by Jonas Savimbi. SWBC pubs reported this since at least 8/78 (WBI 6/12)

V. of Peace 2 kW SW xmtr still off the air (Mark Fulwell, Dec WDXC Contact)

V. of Hope, the evangelical stn in southern Lebanon now is on 945 instead of 936 kHz (WBI 29/11) This was profiled on ABC-TV's "20/20" 21/12. They are using the fake call sign of "WORD" as well. There was also a full-page article by Harry Wall on p. 10 of the Dec. 7 Jerusalem Post Magazine: VOH is in an isolated and abandoned one-storey building near the deserted village of El Khiam, not far from the Good Fence. Its outer walls are pockmarked with bullet holes and next to it is the shell of a house almost completely gutted by artillery shells. One of the American CSW DJs is Gary Hull, a "Christian Zionist". The music is censored at High Adventure HQ in California, to insure against any references to drugs and sex. The American employees live in Kiryat Shmona and commute daily into Lebanon thru the Good Fence (via Michael Fine, Jerusalem)

V. of Lebanon, 6550, noted *0405 with music-box like IS; 0407 Kwai whistling tune (Col Bogy) then march beat vocal anthem. Have hrd to 0512 fade out pgms mix of AR & FR talks and vocal --s/on 1 hour earlier than reported (Syd Osterman, Ont., 2/12) Ad for this pro-Phalangist stn in 'An-Nahar' newspaper 14/11 indicates increase in xmsn time on 12/11; daily 0415-0925 and 1010-2130. Nx in Arabic 0415 0815 0915 1015 1915 2015 2115; those were summaries; nx bulletins at 0515 0615 1215. A political commentary follows at 1230. Nx bulletins in FR & EG are at 1800 and 1815 resp. Ad mentioned no Armenian BCs. Fqs as 866 and 6581 kHz; but obs on 6500 apx instead (WBI 22/11) 28/11 0745 suddenly went off 6500 and re-appeared some minutes later on 6550 (WBI 6/12)

V. of Palestine, V. of the Palestine Revolution, in AR believed from Lebanon, returned from 1138 kHz to its regular 1120 kHz on 26/11 (WBI 6/12)

R. Hezbi-i-Islami (cf Nov LN-10) is a stn operated by the Islamic and Nationalist Revolutionary Council, a confederation of guerrilla units. Chairman Zia Khan Nassery, an American-educated Afghan says the stn has nightly broadcasts in Pushtu, Persian and Uzbek, the langs of Afghanistan. The stn, whose cost he put at \$400,000, is reported to be portable and uses a frequency close to that of the stn in Kabul (Michael T. Kaufman, NY Times 11/12 via Foxworth) Presumably the fq it is near to is 4000 kHz, but I've yet to see anyone reporting it, not even BBC MS (gh)

V. of the People of Burma obs 29/11 with add'l pgms on new fqs, per anmts daily 0000, 0630, 1200 on 6323 and 7570--'combat news', mx, time and fq anmts in Burmese, Shan, Jingpaw and other dialects, believed to be in addition to regular VOPB BCs on 5110 at 0030-0130 & 1200-1300, and on 6304 at 1030-1130 (WBI 6/12) Confirmed, 7570 & 6323 0030-0330, 0630-0930, 1200-1400. New xmsns contain no open and close. The new, and the regular broadcasts have as yet made no reference to one another and are received on different antenna bearings. 7/12 VOPB was heard to leave the air on 7570 at 0040 instead of 0330 (WBI 13/12)

V. of Democratic Kampuchea currently uses 6995, another R. Beijing ES channel, for its 1200 xmsn. Unannounced fqs are underlined: 2330-0030 9470 11660 11685. 0400-0500 11725 17705. 0900-1000 11980 15600. 1200-1300 6995 11600 11990 (Isao Ugusa, DX Front Line 2/12) BBC MS gives sked for this pro-Pol Pot stn as 55 min ea., matching except 0900 on 15165 not 15600; and additional 5250 at 1200 (WBI 11/79) All in Cambodian, of course

V. of the Malayan Revolution per anmt 22/11 said from 1/12 its morn xmsn in Malay would change from 19 to 31mb. Aft & eve would remain on 19 & 25. This refers to the 2200-2245 Malay plus the 2245-2320 Std Chinese & 2320-0005 Tamil xmsns; fqs involved are 15790 11830 9620. The morn pgms also on 7300 (WBI 6/12)

R. Abdala/R. Rebelde/R. Libertad Cubana are apparently all linked and coordinated thru one Enrique G. Encinosa, Nat'l Secretary, Cuban Section, Abdala, according to a letter received from him on Abdala stationery as a result of my article in the Oct 73. He claims they have six 'broadcasting plants', and have never claimed to broadcast from inside Cuba, but from different places in the exile community. "We broadcast on 40 meters, 7080 kilocycles, Sundays at 6 p.m. and Mondays and Thursdays at 8 p.m." Address is P.O. Box 341005, Coral Gables FL 33134; which jibes with an address I heard R. Abdala give once back in 1978. I assume the times given are EST, but not sure; none hrd since I moved to Texas (Harry Helms, Euless)

Numbers 3259 at 0439 8/11: woman, 5-digit groups in German, rapid pace, groups repeated; 0444 "ende" and tubulat bells IS once; best on loop NNW/SSE. Letters: 17595 at 0203 15/10: woman with EG letters in phonetics, 5 to a group; weak sig, fair, FE flutter; 0208 "end of transmission" twice. Slight unID accent; slow, deliberate pacing; Carrier not off; back on at 0234 check; not hrd since (Jay Novello, Endwell NY)

DX PROGRAMS U S A "World of Radio", a weekly half-hour of DX and program tips, station profiles, excerpts from SW DX programs, etc., can now be hrd in the New York City area via WCWP, 88.1 MHz FM, Fridays at 1:30 EST; also in Wyoming and northern Colorado on KUWR, 91.9 MHz FM, Saturdays at 7:00 pm MST; in addition to WUOT, cf Dec LN-13. If you'd like to hear it too, have your local station contact me. It's a public-service non-commercial program available at no cost (gh) VOA will have a Spanish DX program in the future, in the present Club de Oyentes program, conducted by Beba Cardona (RN DX/ADXL)

SWITZERLAND SRI's German DX pgm, on the 3rd Sats with Bob Thomann and Jacqueline Osterwalder is now called "DXissimo". In French there's a "Rubrique DX" in the "Amicalement vôtre" pgm, 4th Sundays with Marianne Kfchler (skeds via gh)

SRI LANKA Topics for SLBC "R. Monitors International" Suns at 1100 & 1400: 6/1, RCI DX Digest; 13/1 Broadcasting in Greenland; 20/1 Broadcasting stns in Antarctica and from Australia's islands; 27/1, independent SW stns in Canada (Adrian Peterson, RMI, SCDX 27/11)

ROMANIA DX Program from R. Bucuresti is now sked in these xmsns: Sat 0645; Mon 1200 & 1500; Tue 1730; Wed 0530; M/W/F 1930; Tu/Th/Sa 0130 (via Ruth M. Hesch, NY) See LN-2 for fqs (gh) In Spanish: Sats 2250 on 9570 11940 15250; GMT Suns 0050 on same plus 9690 11735 11840 15380 and at 0350 on 5990 9570 9690 11735 11840 11940 15380 (Dec-Jan ADXL)

HUNGARY Cf Sept LN-14. Budapest Spanish DX pgm is 5 minutes earlier now (ADXL)

GERMANY WEST SDR 1 Stuttgart's hobby pgm "Technischer Ratgeber" in GM, formerly Sats 1545 is replaced by a new pgm "Frequenzen", Sats 1325 on FM, MW 576 & 711, SW 6030 (SDR via WWDXC 11)

DOMINICAN REPUBLIC One of RTVD's two directors has promised that "DX Caribe" will go on the air as a half hour pgm during the Sat & Sun broadcasts (J. R. Cabrera, Sto Domingo DX Club)

DENMARK R. Denmark has a DX pgm in Danish every last Fri at 1415-1435 on 15165 (Gerhard Wiedera, Dec WWDXC DX Magazine)

AUSTRIA "Shortwave Panorama" is on a new fq to ANZ Suns 0900, 21585 (Robertson, SCDX 11/12)

AUSTRALIA In connection with the disbanding of the RA Listeners Club, the "Club Forum" program will probably be renamed in January, as Keith Glover guest-hosts (Club Forum 22/12) Sat 0240 & 0840 is the time to check (gh)

PROGRAM NEWS U S S R R. Moscow Nam service has started a "Listeners History Club" in connexion with a new fortnightly program on the history of Soviet-American relations, Fridays 2320, GMT Sats 0120 & 0320 (and presumably 0420 & 0620). 11/1: American participation in the revolutionary events of Nov 1917; 25/1: Sov/Am relations during the Depression; 8/2 USSR & US as allies anti-Hitler WWII; 22/2 Sov/Am relations during Cold War, and JFK's policy; 7/3 Brezhnev's 1973 visit to US, and decline of world tensions; 21/3 SALT-2 and the outlook for closer Sov/Am relations for the sake of world peace (Munster)

U K O G B A N I BBC WS is making fewer wholesale sked changes than usual for calendar thirds with January; one is "From Our Own Correspondent" at 2145, from Sun to Sat. For an exhaustive hour-by-hour schedule of recommended BBC and other programs, see Feb POPULAR ELECTRONICS

SWITZERLAND SRI's new lineup of Sunday features for Nov-Apr: 1st week of month: Festival! a tour of festivals thruout the country; 2nd, "Active Neutrality"; 3rd, "Sunday Supplement"; 4th, Jazz Panorama; 5th (if any), Repeat Performance, at listeners' request (SRI)

CANADA Jan CBC changes: "Sussex Drive" back Thurs 8:04pm; "Conquest" quiz Sats 11:30am. NS is carrying "Dr. Bundolo" GMT Mons at 0330 on 6195 and 9625 (gh)

PUBLICATIONS

An Alternative Programming Strategy for International Radio Broadcasting, Ph.D. thesis of Kim Andrew Elliott, Dec. 1979 is a major new work in the field, and probably the first by someone whose roots are in the DX listening hobby. It studies the effectiveness of the 'traditional programming approach' we are all familiar with as compared to an 'alternative programming approach' exemplified by Rudy Espino and "This Is Santo Domingo". The 196-page thesis will be available in a few months in print or microfilm copies via University Microfilms; inquire at any good library. Meanwhile, a summary will appear in the January REVIEW OF INTERNATIONAL BROADCASTING (gh)

Review of International Broadcasting, a monthly magazine by and for program listeners, also features in the January issue an exhaustive hour by hour schedule of DX programs in English and, as every month, verbatim transcripts of gh's RCI DX Digest reports, plus many other articles and features, program schedules and discussions. A sample copy is \$1 in North America; 7 IRCs elsewhere. A 12-month subscription is \$12 in North America, \$13 elsewhere, or by airmail worldwide \$16.50. Remittances must be in US funds, to: Glenn Hauser, University Radio WUOT, Knoxville TN 37916.

The Limits of the Limitless Medium, 12 half-hour program series broadcast on KUOM, is now available on cassette (\$4.48 ea.) or reel tape (\$5.19 ea.) ppd. from KUOM, Rarig Center, University of Minnesota, Minneapolis MN 55455. A list of program episodes is available (gh)

The World in My Ears, by Arthur Cushen, in a soft-cover edition, is now on sale for \$11.95 ppd from Gilfer Associates, Box 239, Park Ridge NJ 07656. The hardcover is still available for \$15.95 seairmail direct from Cushen, 212 Earn St., Invercargill, New Zealand. It is anticipated that it will be included in the Guinness Book of Records, in the category of books sold by a new author in most countries before publication (Cushen) Not cricket, gh's comment in Nov LN about Cushen's lack of modesty. SW is not a hobby overpopulated by modest people! I sure ain't modest! (Syd Osterman) I've just finished reading the book, and frankly I think it leaves a lot to be desired, considering the price. It was very repetitious, and section two would only provide information to the most 'raw' DXer. I can't imagine any one having to be told to strip the insulation off the end of a wire before connecting it to the antenna terminal. I fully agree modesty is not one of his strong points, and I don't think writing is either!! (L. P. Benjamin, Lompoc CA)

USSR High Frequency Broadcast Newsletter, Dec. 1979 issue is mainly a region-by-region, SSB by-SSB, site-by-site listing of frequencies and times best to hear and QSL some 53 R. Moscow transmitter sites. A subscription to the 4-page UHN is only \$3 for 10 issues, from: Roger Legge, Box 232, McLean VA 22101 (gh)

International Listening Guide, Broadcasts in English to Europe and Overseas, D79 edition is 16 pages of fine print on orange paper, hour by hour showing freqs, sites, target areas. Fairly accurate; some entries, BBC and Moscow e.g., get rather cumbersome with footnotes. Also separate listing of news service in English by time, without frequencies. Covers all 95 IBC stns of 85 countries. By airmail. 4 IRCs or US\$3 banknotes each; or for a year (4 issues), 13 IRCs or US\$9 banknotes, from DX Listeners Service, Bernd Friedewald, Merianstr. 3588 Homberg, German Federal Republic (gh)

Worldwide TV-FM DX Association, covering TV, FM, and VHF-UHF utility DX, now has a new free pamphlet describing these DX modes and what the Assn has to offer. Send a SASE for this or \$1 for a sample of VHF-UHF Digest, to WTFDA, P.O. Box 97, Calumet City IL 60409 (gh)

The Wavelength, monthly newsletter of the Free Radio Campaign-USA, Dec. issue was 5 pages, ditto reproduction; covers not only NAM, but European pirate radio scene. Dues are \$5 per calendar year for NAM; elsewhere \$7.50 US or 40 IRCs or 5 pounds Sterling, or 20 DM. From Al Muick, R.D. #2, Box 542, Wescosville PA 18106 (FRC-USA)

Indo-Chinese DX Review (Cf Dec LN-13) has been discontinued since 10 Nov (Komai Shigeyuki)

LAST MINUTE ITEMS

SA'UDI ARABIA New BSKSA "The Voice of Reality" (!) sked shows the 1100-1300 EG on 11855 extended to 1000-1300 on Thursdays and Fridays (S. David Klein, Gainesville FL, 22/12)

PHILIPPINES Phil News Agency noted *0830-0900* on 9715, rather than BBCMS listed 9720, with EG nx at slow speed, as of 10/12 (Bob Padula, Victoria)

ISRAEL Kol Israel moved to 17615 at 1200 in EG to escape R. Nederland 17605 (Bob Zilmer)

COSTA RICA A San José station, hrd on 6023 apx 1050-1135; low-key, no jingles or ads, and couldn't catch ID; severe AFRTS-6030 QRM; new stn on SW? (Max Greenwood, PA) Not R. Rejoice.

SHORTWAVE RADAR Per the July-Aug "RF Design" NOAA has developed a portable HF radar system for mapping ocean currents. The designed to operate anywhere in the 25-35 MHz range, it normally transmits on 25.6 MHz, the lower edge of the 11m SWBC band. Bandwidth is 2 kHz, PEP 2 kW tho 10 kW with amplifiers, and a 50 kW model is under development. In the Sept-Oct issue of the same are detailed the latest OTH radar techniques of NOAA and SRI International (formerly Stanford Research Institute) to scan ocean surfaces up to 3000 km from shore; freq range is 10-20 MHz. "The radar operates in a sweep-frequency continuous wave mode that requires the two sites to be separated. The transmitted radar waveform is a linear freq ramp typically 50 kHz wide." (SWNS, and via WDXC)

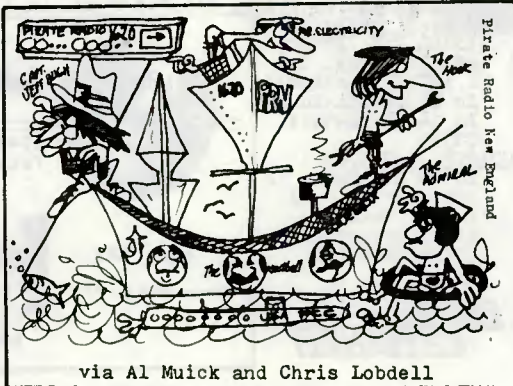


QSL REPORT



Sam Barto
 NASWA QSL Editor
 245 Cherry Ave. J-11
 Watertown, Conn.
 USA 06795

- ALBANIA:** R. Tirana 7300 f/d cd. in 87 ds. for 1 IRC. (Johnston-NY). (Kapinos).
ANDORRA: AWR 6215 f/d "Antenna" cd. in 1 mo. for 2 IRCs. C/V #35 from Europe
ANGOLA: R. Nacional 3375 f/d PT ltr. in 9 mo. for a PT rpt. and 1 IRC. v/s
 * Antonio Jose dos S. Ramos de Almeida, Dept. of Public Opinion. (Onken-IL)
ARGENTINA: RAE 9690 f/d cd. in 74 ds. for an EG rpt. and 1 IRC. v/s Carlos
 A. Alais Rumeado, Director. (Hughes-MAN).
ASCENSION ISLAND: VOA 17830 f/d cd. in 2 wks. v/s Wayne Greene. (Matthews-OH)
ASIATIC RUSSIA: R. Moscow via Petropavlovsk-Kamchatsky on 15425 w/ f/d cd.
 in 38 ds. My 21st site! (Klein-FL). 12030 w/ "Mischa Bear" cd. in 60 ds.
 (Fraser-MA). 21565 in 31 ds. (Newhall-CT). via Nikolayevsk-on-Amur on
 9735 in 30 ds. (Buer-FL). via Khabarovsk on 11720 in 30 ds. (Buer-FL). via
Vladivostok on 11755 and on 12000 in 30 ds. (Buer-FL).
AUSTRALIA: VLW9 9610 f/d "Map" cd. in 23 ds. (Schenker-WY). VLR9 9680 f/d
 "Map" cd. in 143 ds. for 2 IRCs. (Hughes-MAN). R. Australia via Sheppar-
ton on 9580 w/ "Surfers" cd. in 18 ds. (Conover-KY). same w/ "Ringtail
 Possum" cd. in 25 ds. for 1 IRC. (Fraser-MA). 9670 in 2½ wks. w/ "Sky-
 line" cd. (Grishin-ONT). 9770 in 24 ds. (Conover-KY).
AUSTRIA: ORF 12015 "Snail w/ Castle" cd. in 35 ds. (Hesch-
 NY). 9770 w/ "Art" cd. in 2 mo. (Grishin-ONT). same
 in 2 mo. (Kapinos-MA).
BELGIUM: RTB-ORU 21460 f/d cd. and pennant in 30 ds. (Schen-
 ker-WY). 11715 w/ cd. in 30 ds. (Byron-NY). same in
 34 ds. w/ transcripts. (Conover-KY).
BENIN: ORTB 4870 "5 Scenes" cd. in 1½ mo. for 2 IRCs. My
 C/V #1001!! (Kapinos-MA)...Tnx for the telephone call.
BIAFRA: Imo B/Cing Service 4755 via Owerri w/ form ltr.
 in 3 mo. (Barto-CT).
BOLIVIA: R. Fides 4845 personal ltr. in 13 ds. for a SP
 rpt. and ms. v/s Eduardo Perez Iribarne, Director.
 * (Lazarus-LA). R. Padilla 3479 friendly SP ltr. and
 a beautiful pennant in 40 ds. for a SP rpt. and ms.
 (Moore-PA)...I've heard the pennant is really great!
BONAIRE: R. Nederlands 9590 f/d "Anniversary" cd. in 26 ds. (Plotnick-CT).
 in 14 ds. (Danko-NJ). in 11 ds. (Grishin-ONT). 11925 w/ "Antenna" cd. in
 13 ds. for 2 IRCs. v/s J.F. Schipper. (Desrosiers-MA)...As I'm typing
 this column Roly is in Bonaire!!! 6165 in 13 ds. (Schenker-WY). 17605 in
 15 ds. w/ pennant. (Conover-KY).
BRASIL: R. Bras 15290 f/d test transmission cd. in 13 ds. w/ decal. (Schlau-
 gat-WI). in 20 ds. w/ f/d "Sunset" cd. for 2 IRCs. (Plotnick-CT). in 19
 ds. (Schenker-WY). R. Bare
 4895 personal ltr. in 3 mo.
 for a PT rpt. and ms. v/s
 Luis Rougles Fonseca. (Lazar-
 us-LA). R. Relogio 4905 cd.
 in 1 yr. for an EG rpt. (Twi-
 ggs-CT). R. Guarujá 5975 cd.
 in 5 wks. (Barto-CT).
BULGARIA: R. Sofia 11750 f/d cd.
 of "Vue de Zlanti Plassatzi"
 in 102 ds. (Semesky-IN).



CAMEROON: R. Yaounde 9745 f/d "Map" cd. in 1 mo. v/s P. Akondi(Witte-CA). The following individuals have recently written to me requesting pen pals in the States... Alondi Peter Akote, Rdf. du Cameroun, B.P. 281, Yaounde and Mango Park Andrew, ABC Co. Ltd., B.P. 14 Mankon Bamendu, NW Province, Cameroun.

CANADA: CHNX 6130 Halifax f/d "Ocean Playground" cd. in 9 ds. w/ stickers.

- (Hughes-MAN). in 10 ds.(Witte-CA). CKFX 6080 Vancouver cd. in 10 ds. for
- 1 IRC. v/s Jack Wieke.(Buer-FL). CFVP 6030 Calgary f/d cd. in 2 wks. v/s Charlene Brisson, Programming.(Hughes-MAN). CKZU 6160 Vancouver f/d cd. and ltr. in 25 ds. v/s Frances Buchan.(Schenker-WY). in 11 ds.(Hughes-MAN). RCJ 9655 f/d "WARC/Time Zone" cd. in 19 ds.(Schlaugat-WI). 15325 f/d "Do It Yourself" cd. in 15 ds. for 1 IRC.(Desrosiers-MA).

CELEBS: RRI Gorontalo 3265 f/d ltr. in EG/IN in 1 mo. for an IN rpt. and ms v/s Saleh S. Thalib, Technical Manager.(Lazarus-LA). RRI Ternate 3345 ltr. in IN in 47 ds. for an EG rpt. and 1 IRC. v/s A. Abd. Alim.(Klein).

CHILE: Voice of Chile 15140 f/d cd. in 79 ds. for 2 IRCs.(Semsky-IN). same in 68 ds. for 2 IRCs.(Reynolds-NY). R. Universidad de Concepcion 6135 cd. and a personal ltr. w/ cloth badge in 22 ds. for a SP rpt. and 1 IRC v/s Carlos Godoy Rocca, Director.(Krueger-FL).

CHINA: R. Peking 9820 cd. in 2 wks.(Grishin-ONT). 9460 w/ "Bridge" cd. in 2 wks. w/ station pin.(Klein-FL). 9020 in 1 mo. (Twiggs-CT). 17680 w. "Via duct" cd. in 17 ds. for 1 IRC.(Tokarchick-NY). 17855 in 20 ds.(Conover-KY). 15305 in 17 ds.(Schenker-WY). Fujian Front Station 5265 f/d cd. in 18 ds.(Moore-PA). Guangxi PBS 4915 f/d cd. in 3 wks.(Barto-CT). CPBS • 11302 f/d cd. in 17 ds. for 1 IRC. (Lazarus-LA). Neimenggu PBS 6840 f/d cd. in 3 wks.(Matthews-OH)...All Chinese regionals QSLed via Peking..Sam.

COLOMBIA: R. Super Medellin 4875 ltr. in 45 ds. for 1 IRC. (Wallace-HI). R. Cinco 5040 f/d ltr. in 72 ds. for a SP rpt. and 1 IRC. v/s Flavio Jose Castro Roa, Director.(Dittrich-FL).

COSTA RICA: TIPC 6175 and 9645 f/d "Mike" cd. in 13 mo. for an EG rpt. v/s Mary Steele. (Klein-FL). R. Reloi 4832 f/d "Aqui Costa Rica - Irazu Volcano" cd. in 19 ds. for a SP rpt. and 1 IRC. v/s Roberto E. Aragon. (Danko-NJ). in 157 ds.(Hughes-MAN). in 5 mo.(Klein-FL). in 3 mo.(Dittrich-FL). R. Noticias del Continente 9615 f/d "Antenna" cd. in 1 mo. for an EG rpt. and 3 IRCs.(Berg-MA). R. Nueva Victoria 6082 cd. w/ date and a personal ltr. in @ 1 mo. for a SP rpt. v/s Emilio Piedra Jimenez, Gerente. Addr: Apartado 76, San Jose.(Lazarus-LA).

CUBA: RHC 11930 f/d cd. in 58 ds.(Hughes-MAN). 17855 in 59 ds.(Conover-KY). **CYPRUS:** CBC 7230 "Montage" cd. in 1 mo.(Twiggs-CT).

CZECHOSLOVAKIA: R. Prague 11990 f/d cd. in 2 mo.(Kapinos-MA).

DENMARK: R. Denmark 15165 f/d "Tower" cd. in 3 wks. for 1 IRC.(Kapinos-MA). in 21 ds.(Danko-NJ) in 24 ds.(Newhall-CT).

ECUADOR: CRE 4765 ltr. in 40 ds. for a SP rpt. and ms. v/s Leonor Pesantes Alva, Secretary. (Durnavich-IL).



VOICE OF REVOLUTIONARY ETHIOPIA
from the collection of
Jean-Jacques Bloch.

Your reception report dated September 10, 1979 has been examined. This QSL card confirms that you were listening to VOICE OF REVOLUTIONARY ETHIOPIA on: September 10, 1979 & Sept.

from: 0300-0400 GMT on the frequency of: 7110 KHz.

We thank you for showing an interest in our broadcasts.



via Carl Durnavich

THE VOICE OF ZIMBABWE RHODESIA



QUITO, ECUADOR

1948 card rcvd. by Al Schlaugat's father. Station operator was Mr. Clarence Moore.

Hoy Cristo Jesús Bendice

HC-1-JB

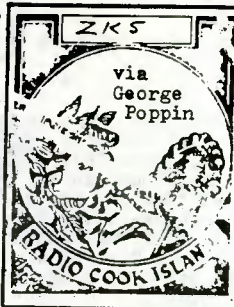
Heralding Christ Jesus' Blessings.

28 Mc.

March 13, 1948

RADIO LUXEMBOURG
• The Station of the Stars •

ECUADOR: HCJB 11910 "Tolita" cd. in 25 ds. (Schenker-WY). 9745 cd. in 26 ds. (Golkin-NY). in 29 ds. w/ "Valdivia-B" cd. (Danko-NJ). in 29 ds. w/ "Chorrera-C" cd. (Danko-NJ). R. Zaracay 3390 ltr and 2 pennants in 1 mo. for a SP rpt. v/s Holger Velastegui Dominguez, Gerente Proprietario. (More-PA). in 1 mo. for ms w/ pennant. (Golkin-NY). in 28 ds. for 1 IRC. w/ pennant. (Plotnick-CT).
 * in 50 ds. w/ pennant for a SP rpt. (Dittrich-FL).



Confirm your receipt
 5045 KHZ
 26. 1. 79
 0511-0609 GMT
 500 W.

COOK ISLANDS BROADCASTING AND NEWSPAPER CORPORATION

ETHIOPIA: Voice of Revolutionary Ethiopia 7110 f/d cd. in 2 mo. (Bloch-MD).
EUROPEAN RUSSIA: R. Moscow via Kenga on 11960 in 51 ds. (Fraser-MA). 11860 via Gorki w/ f/d cd. In 53 ds. v/s Gertrudis Frodorova. (Klein-FL). Stu says that this is the Gorki near Moscow not in Byelorussia!...Anyone?
FEDERAL REP. OF GERMANY: VOA Munich 6060 f/d "Four Seasons" cd. in 2 wks. v/s Warren G. Richards, Acting Chief, Frequency Division. (Matthews-OH).
FINLAND: R. Finland 21475 "Old Kapyla" cd. in 23 ds. (Schenker-WY). 15400 w/ cd. in 1 mo. (Grishin-ONT). 9675 cd. in 21 ds. for 1 IRC. (Tokarchick-NY). 15300 w/ f/d "Palais de La Radio" cd. in 44 ds. for 1 IRC. (Newhall-CT).
FRANCE: RFI 21580 f/d "Art and Culture" cd. in 34 ds. w/ pennant. (Semsky-IN).
FRENCH GUIANA: FR3 3385 f/d "Logo" cd. in 1 mo. for 2 IRCs. (Muick-PA). in 30 ds. for a FR rpt. and 2 IRCs. (Pierce-MA). in 1 mo. for 1 IRC. (Moore-PA).
GEORGIA: R. Moscow via Tbilisi on 12050 f/d cd. in 38 ds. (Klein-FL).
GERMAN DEM. REP.: RBI 11890 f/d "Statue" cd. in 46 ds. v/s Rudi Friedel, NA Dept. (Johns-TN). 9730 w/ f/d cd. in 75 ds. (Fraser-MA). DIZ 4525 Time Signal Station. w/ folder cd. in 10 mo. for 2 IRCs. (Kusalik-ONT).
GREECE: VOA Kavala 7190 f/d cd. in 33 ds. (Ewenstein-NY).
GREENLAND: R. Greenland 9575 "Repeater Station" cd. in 1 mo. (Valko-PA).
GUYANA: GBS 5950 f/d ltr. in 43 ds. for 1 IRC. (Cucura-PA).
HAITI: Radio 4VEH 11835 f/d "Childrens" cd. in 119 ds. for an EG rpt. and 2 IRCs. v/s Stewart West. (Semsky-IN). in 10 mo. for 1 IRC. (Byron-NY).
HOLLAND: R. Nederland 21640 Lopik cd. in 15 ds. (Schenker-WY).
HONDURAS: HRVC 4820 f/d "Logo" cd. in 16 ds. v/s Miss Inez A. Alvarado. (Semsky-IN). in 16 ds. for 2 IRCs. (Witte-CA). in 22 ds. for 2 IRCs. (Newhall-CT). in 54 ds. for 1 IRC. (Wallace-HI).
HUNGARY: R. Budapest 9833 "Logo" cd. in 33 ds. for 1 IRC. (Tokarchick-NY). in 51 ds. w/ pennant. (Dittrich-FL).

RADIO FINLAND

Oy. YLEISRADIO Ab.

INDIA: AIR 11740 f/d "Taj Mahal" cd. in 4 1/2 mo for 3 IRCs. v/s Dr. G.P. L. Srivastava, Audience Research Officer. (Matthews-OH). 11740 w/ "Zoo" cd. in 100 ds. for 1 IRC. (Byron-NY).

RADIO BANGUI CENTRAFRIQUE

from the collection of Ernie Behr



IRAQ: R. Baghdad 9745 "Map" cd. in 3 mo. for an EG rpt. (Berg-MA).

ISRAEL: IBA 11985 w/ "Flags" cd. in 38 ds (Schenker-WY). 11655 in 60 ds. for 1 IRC. (Tokarchick-NY). 15485 in 60 ds. (Byron-NY). 15485 and 21500, 17645, 11655 cds. in 32 ds. (Johns-TN). 15105 cd. in 80 ds. (Danko-NJ). 9815 and 17645 w/ "Windmill" cd. in 7 wks. (Johns-TN).

JAPAN: R. Japan 21640 w/ "Koto" cd. in 28 ds. (Johns-TN). 17755 w/ "Pagoda" cd. in 26 ds. for 1 IRC. (Tokarchick-NY). 11815 in 39 ds. (Schenker-WY). 17825 w/ "Bamboo Grove" cd. in 19 ds. (George-TX). 15305 in 2 * wks. (Grishin-ONT). FEN 6155 f/d blue "Logo" cd. in 2 wks. (Klein-FL).

JAVA: Voice of Indonesia 11790 f/d cd. in 50 ds. for 2 IRCs. Pennant rcvd! (Pierce-MA). in 4 1/2 mo. w/ "Cikar" cd. (Grishin-ONT).

KENYA: Voice of Kenya 4934 ltr. in 35 ds. for 2 IRCs. v/s A. Bakuli. (Timmer-IN). 4915 ltr. in 195 ds. for 1 IRC. (Moore-PA). in 35 ds. for 2 IRCs (Ewenstein-NY).

KOREA REP: R. Korea 9525 cd. in 57 ds. w/ pennant. (Semesky-IN). 9720 cd. and pennant in 24 ds. (Schenker-WY). 15570 cd. w/ green, blue and red pennant in 41 ds. (Plotnick-CT). in 42 ds. w/ purple, blue and gold pennant. (Newhall-CT).

Thanks to the fine efforts of John Kapinos we now have a large supply of QSL Column report forms available. Although it is not required that you use these forms, it would sure make my job a lot easier. Neatly typed reports of your own with your name and QTH at the end of each item are perfectly acceptable. For those of you who would like to use the QSL Column report forms they are available from your QSL Editor for an SASE. Thank you John...Sam.

LAOS: R. Savannakhet 7385 nice ltr. from BounMek Phengsavanh, Interim * Director thanking me for listening and noting, "We can presume your report is correct". 3kws! Arrived in 5 wks. for 3 IRCs. (Berg-MA)...Great!

* R. Houa Phanh 4657 ltr. in 2 mo. from same as above. (Barto-CT).

LUXEMBOURG: R. Luxembourg 6090 f/d "Towers" cd. in 21 ds. for a FR rpt. and 1 IRC. (Plotnick-CT).

MALAGASY REP: R. Nederland 21480 f/d cd. in 2 mo. w/ pennant and Indonesian sticker! (Klein-FL)...That's a new one...Thanks for the telephone call.

MALAYSIA: Voice of Malaysia 15295 Kuala Lumpur f/d "Map" cd. in 1 mo. for 1 IRC. Also rcvd. beautiful pennant! (Klein-FL). same in 31 ds. (Pierce-MA). in 4 1/2 mo. (Schweikart-VA). 7295 via Penang w/ ltr. in 1 mo. (Berg-MA).

MALTA: IBRA Radio 9630 cd. in 4 mo. v/s Nina Jonsson of the Swedish Section of IBRA(OH). (Matthews-

MANCHURIA: Heilongjiang PBS * 5950 f/d cd. via Peking in 18 ds. (Moore-PA).

MAURITIUS: MEC 9710 cd. in * 50 ds. for ms. C/V # 190! (Kusalik-ONT).

RADIO

CONGO BRAZZAVILLE
from the collection of Ernie Behr



MONACO: TWR f/d "World Map" cd. in 34 ds. for 3 IRCs. (Semsky-IN). 9495 w/ f/d cd. in 46 ds. (Danko-NJ). same in 17 ds for 1 IRC. (Newhall-CT).

MOROCCO: RTVM 21735 ltr. in 4 mo. for a FR rpt. and 2 IRCs. v/s Ouazzani Brahim, Program Chief. (Onken-IL)... Nice!

NEW ZEALAND: RNZ 15345 f/d "Tiki" cd. in 25 ds. (Schenker-WY). "Rugby" cd. in 26 ds. (Danko-NJ). 17860 w/ f/d "Hot Springs" cd. w/ pennant in 2 wks. for 3 IRCs. (Moore-PA). in 23 ds. (Byron-NY).

NIGERIA: Voice of Nigeria 7255 via Ikorodu "Flag" cd. in 5 mo. (Johnston-NY).

NORWAY: R. Norway f/d "Latefoss Falls" cd. in 28 ds. for 1 IRC. (Fraser-MA).

PAKISTAN: R. Pakistan 21755 n/d cd. in 1 mo. (Golkin-NY). 15470 f/d "Aabpara" cd. in 28 ds. for 2 IRCs. (Hughes-MAN).

PAPUA NEW GUINEA: NBC 4890 Port Moresby f/d "Map" cd. w/ paper pennant and sticker in 1 mo. for 2 IRCs. (Golkin-NY)

PERU: R. Tropical 4935 cd. and a parrot pennant in 3 wks. for a SP rpt. (Moore-PA). R. Atlantida 4790 ltr. in 1½ mo. w/ pennant. (Twiggs-CT).....

PHILIPPINES: FEBC 11765 f/d "Map" cd. in 28 ds. for 3 IRCs. Stamps were rcvd. along w/ a pen pal list. (George-TX). R. Veritas Asia 17790 f/d cd. in 32 ds for 1 IRC. v/s Ms. Larissa P. Malinao. Buer-FL). UN R. via Tinang 15250 f/d cd. w/ site in 145 ds. (Buer-FL). VOA Tinang 9555 f/d cd. in 2 wks. (Matthews-OH).

POLAND: R. Poland 11815 4 different "35th Anniversary" cds. in @ 1 mo. Rcvd. my 2nd pennant. (Kapinos-MA). cd. in 30 ds. w/ a personal ltr. from Zdzislaw Frackiewicz, Editor. (Byron-NY). "Sailboat" cd. in 37 ds. for 1 IRC. (Tokarchick-NY).

PORTUGAL: R. Portugal 11935 f/d "Flowers" cd. in 58 ds. (Johns-TN). in 31 ds. (Schlaugat-WI). 6025 w/ same cd. in 23 ds. (Schenker-WY). IBRA Radio 9670 via Sines f/d "Latin America" cd. in 109 ds. for 2 IRCs. (Cucura-PA). Radio Japan via Sines on 15305 "Kamakura" cd. w/ this message typed on the reverse side: Oct. 1, 1979, First Day of Transmission via Sines, Portugal. (Matthews-OH).

ROMANIA: R. Bucharest 11940 f/d "Calimanesti Spa" cd. in 2½ mo. (Matthews-OH). 9570 w/ cd. and 2 pennants in 2 mo. (Kapinos-MA).

RWANDA: R. Rwanda 3330 cd. and a ltr. in 5 wks. for a FR rpt. v/s Christophe Mfizi, Le Directeur de L'Office Rwandais D'Information. (Barto-CT).

SAUDI ARABIA: BSKSA 15060 f/d "Logo" cd. in 3 mo. on 2nd try! (Muick-PA). in 129 ds. (Dittrich-FL). 11855 in 91 ds. for 2 IRCs. (Ewenstein-NY).

SOLOMON ISLANDS:

SIBC 9545 f/d "Emblem" cd. in 20 ds. for 1 IRC. (Calderwood-CO). in 14 ds. w/ personal ltr from Aloysius Sahoto. (Witte-CA). in 171 ds. w/ f/d cd. for 2 IRCs. (Eastman-TX).

SOUTH AFRICA: Radio RSA 15220 f/d "Durban" cd. in 25 ds. (Danko-NJ).



Radio Apintie

Verilgis Geronimovs 17
Paramaribo - Suriname

Paramaribo, November 23, 1979.

Mr. David S. Klein,
1225-401 Southwest First Avenue,
Gainesville, FL 32601,
U.S.A.

Dear Sir:

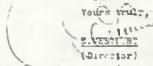
Thank you very much for your letter dated November 13, 1979. It is with pleasure that we hereby confirm, that according to the informations given in your report, you have been listening to Radio Apintie.

The transmitter you heard is a Philips 30 watts transmitter coupled to a 5 element omniband Doublet Log Periodic antenna with gain of 10 db.

This transmitter is meant to serve the people of our interior but it is nice to receive reports from people abroad. We also have a FM Stereo transmitter (Sintronic) of 1000 watts with 6 relay stations (80 watts) and an AM transmitter (Gates) of 1000 watts.

Please find enclosed a card with views of Paramaribo our capital.

Thanking you again for your reception report we remain,



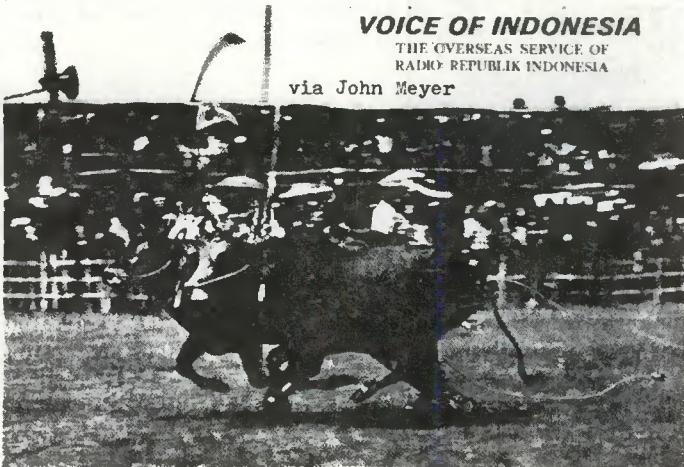
P.S. We started transmitting on the short wave band in September 1979.



VOICE OF INDONESIA

THE OVERSEAS SERVICE OF
RADIO REPUBLIK INDONESIA

via John Meyer



TARAPOTO - PERU

VERIFICATION SIGNERS: R. Garoua 5010 Eboo Zame Maurice. R. Bertoua 4750 Jean Marie Etoundi. R. Bissau 5041 Euclides Carvalho, Program Manager. RBC 3396 D. Woodward, Director. Rdf. Aquidauana 4795 Geter de Oliveira, Departamento Comercial. R. Carora 4910 Flor de Gonzales, Director. Voice of Indonesia 11790 Yon Maryono. La Voz de Galapagos 4810 Padre Raul Pinto. La Voz de Nahuala 3360 Inocente Bocel Roquel. R. Thailand 9655 Ramyong Sakornpan, Chief of External Services. R. Splendid 5985 Vice Comodoro Jorda S. Pedrerol. R. Gazeta de Alagoas 3325 Dalva Rodrigues. R. Cumbre 3381 Pedro Bonifaz, Director. R. Frontera 4730 Juan Carlos Valdivia B., Locutor. R. Nacional de Colombia 15335 Juan Climaco Arbelaez, Director. R. Mam 4825 Pedro Lucas Lopez, Director. AIR Bhopal 3315 R.E. Bhatnagar, Assistant Station Engineer. La Voz de Nicaragua 11838 Gustavo Valle Schaffer, Director Artistico. R. Omdurman 5039 Memoun Abdal Magid, Public Relations Dept. R. Clube Rondonopolis 2480 Neusa Neridos Santos, Secretario. The above via PLAY-DX in Italy.



I have a free Radio Mexico pennant for the first NASWA member to correctly identify the above station logo. This station was formerly on shortwave.

SOUTH AFRICA: R. RSA 15155 f/d "Durban" cd. in 23 ds. (Conover-KY). 17780 in 22 ds. for 1 IRC. (Fraser-MA). 11900 w/ f/d "Johannesburg" cd. and a personal ltr. in 25 ds. v/s PVDM Martins. (Danko-NJ).
SPAIN: REE 9630 f/d "Santa Maria la Blanca" cd, sticker and pennant in 28 ds (Danko-NJ). "Ibiza" cd. in 6 wks. w/ pennant. (Grishin-ONT).
SRI LANKA: AWR 11835 f/d "Birds and Antenna" cd. for RMI/ARDXC reception. (Berg-MA). "Flower" cd. in 1 mo. for 3 IRCs. v/s A.M. Peterson, Director.
SURINAM: R. Apintie 4794 EG ltr. w/ XMAS cd. in 52 ds. for a (Matthews-OH) DT rpt. and 2 IRCs. v/s E.J. Vervuut, Director. Power is only 50 watts!!!
 * cd. and ltr. in 3 wks. for 1 IRC. C/V 3 1321 (Klein-FL).
SUDAN: Voice of the Sudanese Nation 5038 and 11835 ltr. in 4 mo. (Barto-CT).
SWEDEN: R. Sweden 11705 f/d "Map" cd. in 25 ds. for 1 IRC. v/s Fra Halbermann. (Tokarchick-NY). in 13 ds. w/ new type cd. (Hesch-NY). 9695 in 21 ds (Schenker-WY). 11905 w/ f/d "Map" cd. and stickers in 14 ds. (Danko-NJ). 15275 w/ f/d "Map" cd. in 21 ds. (Conover-KY).
SWITZERLAND: SRI 6135 f/d "Mountain Scenes" cd. in 2 mo. (Dittrich-FL). 9725 f/d "Lake" cd. in 19 ds. for 1 IRC. v/s Judy Chisholm. (Toyarchick-NY).
TAIWAN: VOFC BEG44 11745 "Horse Painting" cd. in 6 wks. w/ pennant (Barto-CT).

TANGIER: UN Radio 11770 f/d cd.
 * w/ site in 124 ds. (Buer-FL).
TIBET: Xizang PBS 9490 Lhasa f/d
 * "Shipping Industry" cd. in 2 wks. via Peking (Klein-FL).
TURKEY: Voice of Turkey 9515 f/d "Love and Peace" cd. in 28 ds. w/ pennant. (Fraser-MA). in 28 ds. w/ pennant (Schlaugat-WI). 11955 w/ f/d "TRT" cd. in 37 ds. (Plotnick-CT)



**ADVENTIST
 WORLD
 RADIO**
 IN ASIA

Radio Tanzania Zanzibar,
 P.O. Box 1178,
 Zanzibar.

Thank you very much, for your kindly letter of 10th October, 1979, concerning our reception on 3339 KHZ in 90 meter band. We are really appreciate this particular information which gives us the idea of our listeners in different countries.

Actually this transmitter is 10 KW, fouled dipole Antena, 15 metres high since 8th September, 1979 up to now we are in a Quarterpower, power for a special case.

We hope to get a better result when we switch on a FULL POWER, during 8 weeks time.

Our best wishes to your family,

Mohammed Said Abdulla
 Sincerely, **MOHAMMED SAID ABDULLA**
 TRANSMITTER INCHARGE,
ZANZIBAR.

TURKMEN: R. Moscow via Ashkabad on 11930 and 15195. f/d cd. in 53 ds. for a SP rpt. v/s Gertrudis Fiodorova. (Klein-FL).

UGANDA: URC 15325 f/d cd. in 10 mo. (Witte-CA). "Studio" cd. in 10 1/2 mo. for 1 IRC. (Lynd-IL) in 9 1/2 mo. (Dierks-MI).

UKRAINE: R. Moscow via Yinnitsa on 15255 f/d "Olympic Bear" cd. in 38 ds. (Klein-FL) on 17835 in 38 ds. (Klein-FL). via Lvoy on 21565 in 38 ds. (Klein-FL). 12070 w/ "Bear" cd. in 53 ds. (Klein-FL). R. Kiev 12060 cd. in 78 ds. (Danko-NJ). 11735 and 15180 w/ cds. and pennant in 155 ds. (Johnston-NY).

USA: WDAB 6213 "Daytona Beach" cd. and verie message on the back in 2 wks. for a rpt. to FRC. (Berg-MA). in @ 1 mo. (Field-MI). new post card in 1 wk. (Twiggs-CT). f/d cd. and a ltr. in 10 ds. for ms. (Krueger-FL). f/d cd. in 1 mo. (Klein-FL). PRN Radio

1620 cd. in 284 ds. for a phone call. 100 watts! Postmark: Hartford, CT. (Golkin-NY). in 1 mo. (Muick-PA). KIE710 1610 Canaveral National Seashore f/d prepared cd. and ltr. in 10 ds. 10 watts! v/s Carol Kruse, Acting Director. (Krueger-FL). UN Radio 15225 f/d cd. in 167 ds. (Eastman-TX). via Dixon on 5955 in 145 ds. (Buer-FL). via Greenville on 9560 in 145 ds. (Buer-FL). via Delano on 9565 in 145 ds. (Buer-FL).

WINB 15185 f/d "Logo" cd. in 63 ds. for ms. (Semesy-IN). 15145 w/ f/d cd. in 70 ds. for ms. (Wallace-HI). WYFR cd. in 38 ds. for 17845. (Semesy-IN). 11855 in 32 ds. (Schenker-WY). KGEI 15280 "Scenes" cd. in 26 ds. (Schenker-WY). APRTS 15330 via Bethany w/ "DOD" cd in 21 ds. (Schenker-WY). 21570 w/ cd. in 53 ds. (Plotnick-CT) 9700 via Dixon w/ cd. in 65 ds. (Golkin-NY). VOA 17740 cd. in 48 ds. (Plotnick-CT).

USSR: R. Moscow 12030 f/d cd. in 38 ds. w/ "Radio-TV USSR" pin (Johnston-NY).

UZBEK: R. Tashkent 15460 f/d cd. in 37 ds. (Cucura-PA).

VATICAN: R. Vatican 17900 f/d "Antenna" cd. in 3 wks. (Grishin-ONT). 11845 w/ "Studio" cd. in 13 ds. for 1 IRC. (Tokarchick-NY).

VENEZUELA: R. Mundial 5050 2 f/d cds. in 2 mo. for a SP rpt. v/s Antonio Jose Isturizl, Vice President. (Field-MI). YVTO 6100 f/d cd. and a ltr. in 3 mo. for an EG rpt. v/s Jesus A. Escaland. (Dittrich-FL). R. Juventud 4900 p/d white "Dancers" cd. in 65 ds. for a SP rpt. (Plotnick-CT). R. Yaracay 4940 p/d cd. in 5 mo. for a SP rpt. and 1 IRC. v/s Silverio Mendoza. (Wallace-HI).

VIETNAM: Voice of Vietnam 15012 paper cd. in 5 1/2 mo. for 1 IRC. (Schweikart-VA). 10040 and 12035 f/d cd. in 4 mo. (Klein-FL).

WEST IRIAN: RRI Manokawari 6185 f/d ltr. in 2 1/2 mo. for an IN rpt. v/s Robert Hutapea, NIP. (Field-MI).

MAY EACH AND EVERYONE OF OUR MEMBERS HAVE A QSL FILLED NEW YEAR !!!

FREE RADIO SERVICE BY CONSENT

via Al Muick

WJAM

PIRATE RADIO ON TEN METERS SW!

Listen for relays over other stations.

IN THE COURSE OF ONE CENTURY SHE DISCOVERED

O.S.I. RADIO PORTUGAL Embaixada Nacional de

via Wayne Mayer

AND EXPLORED NEARLY TWO-THIRDS OF THE INHABITED GLOBE



RADIO CULTURA DA BAHIA

ZYN-20. ONDA MEDIA. 1.440 KC

ZYN-22. ONDA CURTA 4.895 KC - 61 M.

ZYN-29. ONDA CURTA 9.595 KC - 31 M.

ZYN-30. ONDA CURTA 15.225 KC - 19 M.

AVENIDA SETE DE SETEMBRO. 311

SALVADOR - BAHIA - BRASIL



RADIO JUGOSLAVIJA
BEOGRAD 11000
HILINDARSKA 2

RADIO RSA
The Voice of South Africa



submitted by Don Minor

Maybe this will help
inspire some of us
through the Winter.

ZANZIBAR: Radio

Tanzania Zan

* **zibar 3339**

personal ltr

w/ date and

freq. in 1

mo. for an

EG rpt. and

2 IRCs. v/s

Mohammed

Said Abdulla,

Transmitter

Engineer in

Charge. The letter stated that they are now looking

for reports from different countries!!!(Onken-IL).

in 36 ds. w/ a f/d aerogram ltr. w/ sked. for 2 IRCs.

v/s Hemed Rashid.(Kerr-ONT)....Very fine reports!

NOTES: If any of our members still desire information on

Stu Kleins 120 meter slinky dipole antenna, please

contact Stu at 1225-401 S.W., 1st Ave., Gainesville,

FL. 32601.....Stu has just come out with his annual

FRENDX Latin American QSL Survey. It looks real good!

Great work Stu.....Bill Miller has sent a VOP poster

for the HAP auction. Any help Bill from the VOP, RVA

or FEBC would be greatly appreciated.....Thanks for the Radio El Mundo

station sticker Mr. Moore.....Al Muick suggests a possible address for

the Voice of the Communist Party of Turkey as: Turkiye Komunist Partisi-

nin Sesi, c/o Turkish Communist Party, Ankara. Thank you Al.....Thanks

for the great letters Leslie..... Also I'd like to thank all of you for

your fine letters of support during the last two months. Greg Bares did

a truly outstanding editorial job filling in as

NASWAS QSL Editor. Greg is a very dedicated in-

dividual, and after the excellent work shown

during the past two months, this editor feels

that Greg deserves consideration for future

editorial vacancies...Sam.

Only a little over 90 countries reported

this month. Lets get with it gang!

See you all next month.

Ein erfolgreiches neues Jahr

A Happy New Year

Bonne et Heureuse Année

كل عام وازنتم بخير

Un feliz Año Nuevo

Un felice Anno Nuovo

Um feliz Ano Novo

Kila la kberi kwa mwaka mpya

नए वर्ष के शुभ अवसर पर
हमारी जोर से बधाई स्वीकार कीजिये

Ett gott nytt år

Glædeligt Nytår

**ΧΑΡΟΥΜΕΝΟΙ ΚΑΙ ΕΙΡΗΝΙΚΟΙ
Ο ΚΑΙΝΟΨΥΓΙΟΙ ΧΡΟΝΟΙ:**



**HAPPY
NEW
YEAR**



HAP BID WINNERS: ITEMS #s 16-41

Mike Walker (23,27), Clinton Tatro (28), Lynn Campbell (16), Don Moore (19,25,38,41), Dario Monferini (21), Dan Jakubowski (18,26,30), Bill Campbell (36,39,40), Richard Pistek (31,35), Kenny Johns (32,33), Steve Lelte (22,24), Ron Boyd (17), W.P. Stevens (20) and John Herkimer (29,34). Ophs...and finally Dave Schweikart (37)...Thank you gentlemen...HAP.

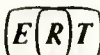
HAP ITEMS FOR SALE: The following stickers and decals are still available at \$.25 each or 5 for a dollar: WZNT (Puerto Rico), Radio Vatican, WMNI, WCAV, WBET, KRNA, CKNW, KDKA, KPOF, WYSL, WFLA, ORU-Belgium, ORF-Austria, WXLN, WHAL, WDGY, KOAX, WHIM, Radio Scotland, KBLE, WKJR, WCCO and WTIC. The following new ones are now being added: Radio Bucharest, CKDA, Radio Jamtland-Sweden, CKCK, KBIG and KBRT....Please, minimum order of \$1.00 or more on all items! For all refunds of \$1.00 or less I must reserve the right to substitute an item(s) of equal value. Cash refunds will be made in excess of \$1.00. The following items are being offered at the quoted prices: Radio Mexico pennant (\$1.50), KOAX mini-poster (\$.25), BBC metal badge (\$.25), 6TZ - Australia coaster (\$.25), Radio Leeds BBC stickers (\$.50), Radio SR-Swazi Land-decal @ 20" in length! A real beauty! (\$1.00), and a very large KBIG butterfly poster (\$.75).

HAP BID ITEMS: #61: KAFM "Electric T-shirt" (L) black...it really lights up! #62: Radio Argentina cloth pennant (7x13.5") white and blue. #63: HCJB mini-oil painting (3.5x2" painting mounted on a 5.5x4" card). Beautiful to look at! #64: HCJB paper pennant (9x4") yellow and black. #65: Radio Baghdad International paper pennant (6.5x7.5") double-sided and multi-colored! #66: Trans World Radio stickers (3x5.5") 2 different, red, white and blue. #67: Radio Clyde -261 Scotland metal badges (2" circular) red and white. #68: Radio Clyde T-shirt (S) red and white. #69: Radio Clyde decal (23" long!) red and white. #70: Radio Clyde decal (over 4 feet long) red and white. #71: Polskie Radio 5 different multi-colored stickers on a strip (3.5x13"). #72: Polskie Radio 5 different multi-colored stickers on a strip (3.5x10")...these are completely different from #71. #73: Polskie Radio w/ 5 "Coat of Arms" stickers on a strip (5x16.5"). #74: Radio SR Swaziland T-shirt "Freak Out with Radio SR" (M) blue and white - a super shirt!!! #75: Radio Tashkent cloth pennant (5.5x11.5") red, white and blue. #76: CIEL-FM decal (8" circular!) blue and white. #77: CJQR T-shirt (S) yellow and green. #78: CJQR T-shirt (M) yellow and green. #79: CKDA T-shirt (XL) yellow and red. #80: WHBQ jogging shorts!!! (L) "Top Banana" white and blue. #81: WHBQ jogging shorts!!! (XL) "Top Banana" white, blue. #82: WHBQ jogging shorts!!! (M) "Hot Stuff" white and red. #83: WHBQ jogging shorts!!! (S) "Hot Stuff" white and red. #84: Radio RSA cloth pennant (5.5x10.5") orange, white and black. #85: Voice of Free China-BCC cloth pennant for the NA Service (5x8") red, white and blue. #86: Deutsche Welle cloth pennant (6x13") blue and white. #87: WICE T-shirt (XL) red, orange and white. #88: WFIL T-shirt (M) red and white. #89: WCGQ T-shirt (L) blue, black and orange. #90: Voice of Free China-BCC desk plaque (2x3.5") gold and brown. #91: KOIL T-shirt "Jello Jump" (S) red, black and white. #92: WCGQ T-shirt (XL) blue, yellow and green...There should be a little something here for everybody. Minimum bids on all T-shirts \$4.00. Have a very merry Christmas and a Happy New Year....Sam.

Next month we will be offering quite a few station pins and badges in the HAP Bid Items along with our usual assortment of goodies!!!...Sam.

Many of you have asked for lists of items that we will be placing up for sale or bid in the near future. I must say that we have thousands of articles on hand but it would be unfair to others to release our lists prematurely. I hope everyone understands...Sam.

HAP REQUEST: We are looking for donations for the HAP BID ITEMS and for the sale items. We would be especially pleased if you, our readers, could donate any duplicate pennants, decals or stickers or any other items to this year's HAP fund raising activities. A letter or a visit to your local radio station explaining the function of HAP followed by a request for saleable items could help HAP tremendously. For those of you who have donated items last year and this, thank you. You can forward all items collected to your NASWA QSL Editor...Sam.



update

January 1980**Number 58

Tom Alleman
615 W. 43rd Terr., Apt. 6
Kansas City, MO 64111 USA
(816) 931-5943 0030-0400 only!!!

UPCOMING DEADLINES: 10 January (Mid-Jan) 20 January (Feb) 10 February (Mid-Feb)

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- ANDORRA** AWR, 6215, in EG 2035-2100*; Christmas carols, religious talks and mx, ID, and London and Lisbon QTHs. (Vlad Cucura, PA 12-18)
- ANGOLA** R. Nacional, 3375, in PT 2205; mx by M // 5100, 5191, 7000. Lobito 7000 best ever. Others fair to good. (Harry Jones, VA 12-11)
- BANGLADESH** RB, 21670, in EG 1244-1300*; US pops, M anncr w/ ID, folk mx, QTH, and freqs for 1815 tx, not readable. (Cucura, PA 12-17)
- BELIZE** RB, 3285, in SP/EG 1125-45; W w/ talk in SP and EG, pop mx, ID, carol, children's story by M. (Cucura, PA 12-10)---RB also noted 1140-1200; W anncr, LA, calypso, and Caribbean Is. mx. Local ads and anncmts. ID by M 1200. Don't recall hearing this in AM before. (Neal Perdue, AL)
- BRAZIL** R. Riberao Preto, 3205, in PT 0035; M anncr, ID, TC, talks. (Stu Klein, FL)---R. Rib. Preto also noted here 0242; "My Cherie Amour," and ID by M. (tba)+++R. Bare, 4895, in PT *0800 finally heard Braz. NA, M anncr, 3x "Bare" ID, jingle, local pops. (Klein, FL)---Bare also noted 0845-55; talk by M, IDs, accordion mx. (Perdue, AL)+++R. Aparecida, 5035, in PT 0030; M anncr, many IDs, various types of LA mx---cha-cha, EzL vocals and instrumentals. (Perdue, AL)+++R. Cult. do Para, 5045, in PT 12-5 at 0120; LA and EzL mx, anncmts and IDs by M&W. (Perdue, AL)
- CANADA** On one recent morning, found the following Canadians around 1100: CHNX, 6130; CKFX, 6080; CFRX, 6070; CFGX, 6005. Attempts to get CFVP, 6030, frustrated by presence of VOA on freq until 1200. (Klein, FL)
- CIANDESTINE** Presumed Korean Voice of Hope, 6348, at 1010+; choir to 1012, "2001" theme, talk, more "2001", possible mx, and into a play of some time. Fair. Does anyone know just what and where this one is? (Jerry Berg, MA 12-16)
- COLOMBIA** Ondas del Meta, 4885, in SP *1016; NA, ID, calls, freqs. (Klein, FL)+++Rdf Nac Colombia, 9635 NF, in SP *1130; NA, long list of stns in the net, hideously overmodulated. // 11795. (Klein, FL)
- ECUADOR** LV del Triunfo, 3252.5, in SP 1055-1100; Ecuadorian mx, M w/ ID and anncmts. (Perdue, AL)---Triunfo noted here 0440; talks, TC (2 min. fast), latin disco remakes of American tunes, latin orch mx, ID 0451 and into nauseating, soppy SP version of "Feelings." (tba)+++LV de las Caras, 4795, in SP 0213; Tango mx, ID, ads. (Whitehead and Jones, MS; 12-5)***You guys sound like a law firm! tba**R. Pop. Indep., 4800, noted at *1045 and 0240 in SP; at s/on, NA, W w/ opening anncmts, ID, talk or nx. At 0240, Christmas mx, M anncr, full ID and short ID. (Perdue, AL)+++LV de los Galapagos, 4810, in SP 0132; ID, TC, M&W anncrs, pop and disco mx. (J. Jones, MS 12-14)+++R. Paz y Bien, 4820, in SP 0945; M anncr, HC mx. (Perdue, AL)+++R. Quito, 4920, in SP 0215-25; M anncr, pop mx, ID, ads. (Perdue, AL)+++R. Federacion, 4960, in SP 0200* ID, freqs, NA. (J. Jones & Whitehead, MS 12-5)+++R. Splendit, 5025, in SP 1020-1100; excellent level. M anncr, HC mx on morning show as opposed to varied LA format at night. By far the best xopy since I've been checking it, except for noticable het. (Perdue, AL 12-15)---Splendit also noted 0336, tnx Perdue. In clear for ID 0345. (tba)
- EQUATORIAL GUINEA** Malabo, 6250, tentative in SP 0915; W anncr and strange Afr chants. (Klein)
- EUROPIRATE** Vy pleased to hear European Mx Radio, 6235//7325 during 12-16 test to NAM. 6235 better, 7325 weaker and QRMED by UTE. Many multi-lingual IDs, spelled address many times, said was a special tx for America, asked 2 IRCs for QSL. "To you from Europe, this is EMR." Heard from 0755, peaking 0815a, still pretty fair 0825. Then downhill, and barely audible but still going 0900. Reception not bad except for QRN. (Berg, MA)---EMR noted on 6235 0814-0906; M w/ ID, pop mx, QTH, and covered by numbers stn 0906. (Cucura, PA 12-16)---EMR also noted 0831-0900 during test. "EMR" IDs, and statement as test. (Sam Barto, CN)+++R. IBC, 6251.5m, very, very tentative 0840-0900; 0840-42, light ballroom dance mx, 0842-59 talks by M in deep fades, possibly IT, and more mx on hour as it faded out. (Barto, CN)***Keep checking this one. tba
- FALKLAND IS.** FIBS, 2370, in EG 0025-0032*; M anncr, EzL piano mx, W anncr, ID: " . . . Falkland . . . " Then GSTQ. Definitely there and definitely pleased. Many tnx Crawford. (Klein, FL)
- FR. GUYANA** FR 3, 3385, in FR 0907-37; non-stop EzL mx to 0921, M w/ IDs 0928, and world mx by M 0930. (Cucura, PA 12-15)---FR 3 also noted 0903-30, IM in progress at t/in, almost 30 min of orch mx to M anncr at 0925. Best ever. (Perdue, AL)---FR 3 0225 w/ rock/disco mx, TC and ID. (tba)
- GERMANY (FED REP)** Sudwestfunk, Rohrdorf, 7265, in GM 0815; beautiful sig, though going out w/ pop mx and many ads. (Berg, MA)
- GUATEMALA** LV Atitlan, 2390, in SP 1150; fair w/ marimba mx and ID. (H. Jones, VA)
- GUINEA** Conakry, 4910, in FR 0356; ID, talk, and CAfr mx. (tba)

HONDURAS R. Lux, 4890, in SP 0125+; consistently strong lately w/ LA mx, talks, and IDs galore. (Perdue, AL)

INDONESIA RRI Bengkulu, 3265, in Indo 1309; //3325 and 3295. (tba)+++RRI Gorontalo, 3295, in Indo 1306 w/ nx //3325. (tba)+++RRI Palangkaraya (site presumed), 3325+, in Indo 1300+; nx relay. In quite well. (tba)+++RRI from unknown site, 3385, in Indo 1300; SCI only noted. Kupang here last winter. Still them? Weak. (tba)+++RRI Kendari, 4000, in Indo 1256-1300; weak sigs and ARO QRM; Instrumental mx to 1259, SCI, and immediate fade-out. (Henry Lazarus, LA 12-16)+++RRI Jakarta, 4774-, in Indo 1256; SCI 1258 and into nx. (tba)---RRI Jakarta tentative at 1203 in Indo; W anncr, nx, mx like SCI 1206. (Klein, FL)---RRI Djakarta also noted 1135; only low band Indo noted so far this season. (Berg, MA 12-15)+++RRI Jambi, 4927, in Indo at *2228. SCI to 2230, ID by M, march mx interlude into extended talk. Vy good. (H. Jones, VA 12-10)+++RRI Sorong, 4875, in Indo 1230-1300+; EzL hits from the 50s, "My Heart Cries For You," "Crying in the Chapel," etc. ID 1300. (Perdue, AL)***The last by Sonny Till and the Orioles. tba JAPAN FEN, 6155, in EG 1100; ID by M and nx by some Staff Sergeant or other. (Klein, FL)---FEN also noted on 6155 1240-1310; C&W mx, EG cart ID, time sig, nx by local anncr, EzL mx from from 1305. Excellent. NSB 6055 at same level. (Terry Krueger, FL 12-12)

KAMPUCHEA Phnom Penh, 9694, in EG *1200; sig improving enough to get ID: "This is the Voice of the People of Kampuchea b'casting from studios in Phnom Penh. This EG pgm we bring you comes to you every day at zero and 12 hours GMT on the frequencies 1350, 9695 and 11940 kHz in the 221, 31 and 25 mb." Into "nx" but jammed after 1204. FR ID 1215. (Berg, MA)

MALAYSIA RM Kuching, 4950, in lang 1228-35; usual good level w/ W anncr, time sigs 1230, ID. (Terry Krueger, FL 12-12)

MONGOLIA Ulan Bator, 4995, in CH or similar 1158-1209; Moscow IS and into another Asian lang pgm. Fair, and if in fact them, a nice birthday present. Tnx Crawford. (Krueger, FL 12-12)

NEPAL Surely them, 9589, w/ IS to 1149, opening anncmt w/ mx in background. Fair but big het from 9590. "Typical jal tarang melody in IS." (Berg, MA)

NICARAGUA LVN, 5950, in SP 1103; M&W w/ opening anncmts, ID, children's chorus in background. (Perdue, AL)---LVN also noted 0132 in SP w/ ID, TC, patriotic slogans. (J. Jones, MS 12-10)

OMAN BBC Masirah, 17770 in EG 0859; "This is the BBC Eastern Realy Stn b'casting to Sasia on 17.77 and 15.31 Mhz. 15310 very weak and both gone by 0945. (Berg, MA 12-15)

PERU R. Atlantida, 4790, in SP 1005; very good. Various styles of local mx, long ID, TC. (Klein, FL)+++R. Tropical, 4935, tentative in SP 0955; high Andes mx, but no ID. (Klein, FL)---assume Tropical at 4012* during middle of NA I couldn't quite get a handle on. (tba)+++ Presumed R. Esmeraldas, 5300, still being heard as at *0959 12-15 w/ Peruvian mx, anncmts. Might have gotten ID this AM absent QRN. (Berg, MA)

RWANDA Rdf Rwandaise, 6055; rock mx, 2057, ID 2058, into NA and off 2100. Mixing w/ Middle East stn but generally dominant. (H. Jones, VA 12-7)

SRI LANKA SLBC, 9720 at *1225. OC 1225-28, IS 1228, six pips, nice ID in EG by W at 1230. Vy good but fluttery. SLBC also noted 15120 at 1757 in EG. NX by M w/ several mentions of Sri Lanka to 1801. Then ID, freqs, etc. Fair in het. (H. Jones, VA 12-10)

TAIWAN VoFC, 9600, in CH *0900; IS, W anncr, ID, and talk. (Klein, FL)

TANZANIA Dar es Salaam, 4785, in Swahili 0326; usual highlife and Afr rock mx, talk by M. (tba)

USSR Ashkhabad, 4930, in RS 2130-2205; daily w/ M2 pgm. Fair to good. (Krueger, FL)+++Kiev, 4940, in UK 0515; 10-note chime IS, ID by M, site given, talk. At 0715 recheck, // 6020, which becomes audible w/ VOA off. (Klein, FL)+++Murmansk, 5930, in RS 0502-0516; per Harry Jones tip in UD 57, talks by M&W to 0515 when IS per WRTH. Audible after Prague off. (tba)+++ Magadan, 9500, // 5940, 9600, 7320. All good. W in RS 0753, organ mx. IS 0755 and into RS nx. (H. Jones, VA 12-6)

VENEZUELA R. Universidad, 3395, in SP 0135; in nicely w/ clear ID, anncmts, Christmas mx. (Perdue, AL 12-5)+++R. Los Andes/1040, 6010, in SO 1040; M anncr, usual ID, TC, folk mx. (Klein, FL)+++R. Turismo, 6180, in SP *0938; NA, orch mx, opening anncmts and IDs by M, LA mx. Excellent. (Perdue, AL)

YEMEN R. Sanaa, 4853, in Ar *0301. S/on directly into Koran readings. Fair. (H. Jones, 12-13)

Another nice turnout. Please remember that address changes go to HQ in Liberty, not to me. I do not guarantee to forward misdirected address changes.

Best of 73, *Tom*

log report section

1600-4899



TERRY KRUEGER

84 Winter Park Dr., S. Casselberry, FL- 32707 Welcome to the '80's and along with it, LR-AI Thanks go to Dan, Bill and Mac for their help in the transition. Hi to all you Florida folks (and good luck to Mike Cooper on the Atlanta job). Briefly, I'm 20, in my third year of college at UCF majoring in communications and most interested in Lam DX. Other interests include the beaches, record collecting and beer--I'm not sure in what order. My QSL from R Apintie states power at 50 watts... are 500 kW xmtrs justified? Hot items below...

- 2340 CHINA Fuzhou; 1130-1146 CH W, mx (Moore, Bryan)
- *2370 PALM KLAND IS. FIBS; 0015-0032* MoR piano mx, 0030 W ID into GSTQ by orch, plug pulled; G-P (Krueger 11-19, Crawford 12-11) 0044-0128* w/ pop mx by ABBA "Fernando" 0114 ID, GSTQ. Fantastic catch for anyone! (Saylor, Cartwright, Moore, Wicks, O'Donnell, Valko at Saylor's QTH 11-24) What--communal DX? TK
- 2390 GUATEMALA LV de Atitlan; *1105 marimbas, SP ID, VG (Klein)
- 2390 MEXICO R Huayacocotla; US EZL mx, SP M 2330-0143 (Field, Clark, Moore)
- 2475 CHINA Zhejiang; CH W, local mx 1152-1200 (Bryan, Moore)
- 2476 N. KOREA KCBS-Sinuiju; 1153-1402 local mx, KO emtry (Bryan, Moore)
- 2775 N. KOREA KCBS-Hamhung; 1200 KO, clsel mx, TC, M (Bryan)
- 2850 N. KOREA KCBS-Pyongyang; KO M&W mx, mx 1145-1203 (Bryan, Moore)
- 3055T INDONESIA RKPDTK2-Sampang Java; listed in Indo Survey w/ M tlk IN, 1411 new version NA. (Poppin)
- 3170 UNID SP, not 2x1585, criollo mx, fair 0011 (Meyer-PERU 11-4)
- 3195V GUATEMALA R Cultural, spur hrd 11-19 only 0330 w/ distorted sig, EG sermon; fair (Crawford)
- 3200 SWAZILAND TWR; EG pops/hymns, Transvaal address 0304 (Bryan)
- 3200 UNID SP around 0000 daily, LA vocals good-xlnt (Radcliff)
- 3204 JAVA RRI-Bandung; 1237 IN dialect, mx (Poppin)
- 3205 BRAZIL R Riberao Preto; 0035, PT M tlk, poor (Field)
- 3205 UNID M&W tlk w/ song by W 1218 almost chant. Weak, faded 1230; AIR 3355 on same morning (Field)
- 3210 MOZAMBIQUE Maputo; 0312-0316 PT W, Afro chorus/rock (Bryan 11-1)
- 3215 SULAWESI RRI-Ujung Pandang; IN, pops, W ancr, "Love Ambon" and time pips 1437-1500, nx (Johnson 11-10) 1150-1200 IN W, EZL mx, TC/ID and nx by M (Levesque 11-21)
- 3220 ECUADOR HGJB; SP 0856, TC/ID and HJ mx (Sellers) 0015 (Meyer-PERU)
- 3225 SUMATERA RRI-Tanjung Pinang; ID/TC 1414-1420 (Poppin 11-2) 1208 IN nx about Indonesia and Cambodia by M (Bryan) 1504-1517* (Johnson)
- 3230 TAIWAN BCG-Taipei; 1224 CH M&W talk (Bryan 11-1)
- 3240 PERU R America; off past few days, though ancd (Meyer-PERU 11-4)
- 3240 SWAZILAND TWR; Zulu 0318 M talk; not as good as 3200 (Bryan)
- 3245 UNID PT, lots of singing and criollo mx; good (Meyer-PERU 11-4)
- 3252 ECUADOR LV del Triunfo; 0023 SP, mx, ad for "Bimbo" (Meyer-PERU)
- 3255 VENEZUELA LV de El Tigre; SP, pops 1005/0240 (4 reporters)
- 3260 ECUADOR LV del Rio Carrizal; 0026-0212 SP M ID, US pops, TC; VG to excellent (Krueger, Meyer-PERU)
- 3264 CONGO RTVC-Brazzaville; 2300 FR tlk, hilife mx (Alexander, Krueger)
- 3265 MOZAMBIQUE RM-Maputo; hilife mx w/ ment of Maputo at 2300; fair sigs (Conrad 11-20) I measured Congo 3264.0... TK
- *3270 ECUADOR R Cosmopolita; SP, perhaps nx to 0110 ID/TC then musica folklorico (Jensen 11-19) Nice... TK
- 3275 SWAZILAND TWR; lang hymns, religious pgm, M talk 0308 (Bryan 11-4)
- 3275 VENEZUELA R Mara; 1015/0025 SP ID, pops (5 reporters)
- 3280 ECUADOR LV del Napo; dialects lang ID/TC/messages, mx (Jones) 1037 0032 SP huayno mx, ID, ads and talk on local events (Meyer-PERU)
- 3285 BELIZE RB; 1140 SP, fading fast, MoR, anmt, ID; fair (Klein 11-14)
- 3290 ECUADOR R Amazonas; SP translated US mx 0145 (Meyer-PERU 11-11)
- *3295 BRAZIL R Tapuio; 0730 clear ID by M into non-distinct PT W vocals (Crawford, Klein, Krueger 11-4 Canaveral Nat'l Seashore DXpedition)
- 3295T BRAZIL R Iguatemi; 2345 PT M, mx, poss ID 0004; f-g (Radcliff 11-8)
- 3300 GUATEMALA R Cultural; 1130 SP (Klein) 0300 EG (6 reporters)
- 3315 ECUADOR R Pastaza; 1106-1112 ID, SP M DJ, flutes under OC; f-p (Krueger 12-20) 0147 ads, local mx, ID, fair-good (Meyer-PERU 11-11)

- 3325 ECUADOR Ondas Quevedenas; 0149, SP ID, local mx, nx (Meyer-PERU 11-11)
- 3325 GUATEMALA R Maya; 1030-1106, SP/Indian mx, ID (Jones, Sellers, Klein)
- 3325 KALIMANTAN RRI-Palangkara; IN, fast verion NA 1325-1330 (Poppin)
- 3326 NIGERIA PRC-Lagos; EG nx 2104, ID 2105, good (Walsh 11-23)
- 3330.4 PERU Ondas de Huallaga; 0400 ID/TC, TC was 3 min. behind GMT, SP tlks between musica del campo and flutes; CHU QRM and het (Jensen 11-19)
0043 SP sports nx, local events, several ID's, cmtry (Meyer-PERU)
- 3340 CHINA Hellingiang; 1129 CH W talk w/ CH mx (Cucera 11-14)
- 3345 MOLUCCAS RRI-Ternate; IN M 1207, fair (Klein 12-10)
- 3360 CHINA Beijing; CH W talk about mx and mx 1040-1055 (Cucera 11-26)
- 3360 GUATEMALA LV de Nahuala; 1108 (Sellers, Klein) 0045 SP (Prath)
- 3360 PERU R Huanuco; SP M, criollo mx, ID's f-strong 0047 (Meyer-PERU)
- 3365 USA (PIRATE) WOOP; punk rock (Devo and the Ramones) with real winner song "Teenage Labotomy", many EG amts between songs of "WOOF, Hoople, N. Dakota, 1-2-3 testing" off 0141 promising to make weekly bdst on this frequency GMT Sundays 0500 or 0530. First pirate I've noted on 90 meters (Radcliff 11-28) Great format!... TK /Conrad)
- 3366 GHANA GBC-2 Accra; 2045-2306* EG nx, ID, NA (Walsh, Field, Alexander)
- 3275 BRAZIL unid PT M, strong w/ US pop mx, ads (Meyer-PERU 11-4)**ORDER**
- 3375 VENEZUELA R Mara; 2347 M in SP, long tlk, ID 0000 (Radcliff 11-7)
- 3380 ECUADOR R Iris; SP, LA mx, ID 0055 (Prath 11-10) 1107, TC's, names of entire Ecuadorian Cabinet (Wilson 12-1) 0052 ID (Meyer-PERU 11-4)
- 3380 GUATEMALA R Chortis; 1110, SP ID, marimbas (Klein, Sellers)
- 3380 MALAWI MBC; 1806-1859, frequency shift 1835 to 3385 kHz. EG nx topics and mx (Watts-AUSTRALIA 10-4) Sure about shift 5 k/c up?... TK
- 3385 FRENCH GUIANA FR3; 0915 instr. mx, FR M, TC (Klein) 0020-0101* FR M, light mx, s/off amts and song 0100 (Alexander, Radcliff)
- 3385 NEW BRITAIN R East New Britain; 1140 PD M, Island mx (Alexander) 1232-1236 duet rock mx w/ C&W theme, TC/ID (Poppin 11-4)
- 3385T PERU R Dif. del Centro; 0055 carrier only tonight, sometimes audio breaks in, SP (Meyer-PERU)
- 3390 ECUADOR R Zaracay; 0057 SP, ID's, criollo (Meyer-PERU) 1045 (Klein)
- 3395 VENEZUELA R Universidad; 0655-0700* SP, LA mx, TC/ID/NA (Klein 11-11) 0700-0630 SP pops, ID's, nx (Brouillette, Radcliff, Moore, Prath, Bauernhuber)
- 3481 BOLIVIA R Padilla; 0100, SP talk, cmtry, ID, play (Meyer-PERU)
- 3525 UNID LA EZL mx, fair; don't think it's new; 0104 (Meyer-PERU)
- 3552 PERU R Dif. La Convencion; SP, weaker than usual, ID (Meyer-PERU)
- 3559 N. KOREA Pyongyang; FR 1431 ID "Ici R Pinyon", talks, repeats ID followed by talk into 1435. Fair (Poppin 11-2)
- 3578 JAVA RPKTKT2-Situbondo; 1232 IN talk by M, mx w/ lots of percussion, 1245 M ID, was able to catch "Situbondo" and one of "Jawa". Fair at peak on beverage (Jensen 11-22)
- 3660 CHINA Beijing; 1424-1430 CH orient mx, not hrd in year (Poppin 12-2)
- 3810 ECUADOR HD210A; 1009-1017 SP TC, signals (Marker, Cucera)
- 3840NF ECUADOR HD210A; 0711 signals on off-freq. through ham QRM, 11-4 (Crawford, Canaveral Nat'l. Seashore DXpedition) Back on 3810 now...TK
- 3882 USA (PIRATES) 0456 per tip from Krueger, station w/ fair sigs w/ Tomita and Farsi mx through heavy QRM from hams who were remarking/ belching about its pgming. 0507 another came on w/ Supertramp, Meatloaf etc. to 0527*. First moved to 3839 0600 (Crawford 11-22)
- 3905T SUMATERA RRI-Banda Aceh; 1510-1525 slow verion NA, W IN ID which I missed, slow piano, tenor vocals, W tlk (Oh! sooo softly) followed by local rock; ARO QRM (Poppin 12-1)
- 3910 PERU R San Francisco; 0130, SP huaynos, talk, ID; f (Meyer-PERU)
- 3915 SINGAPORE BBC-Kranji; M in SEA lang, EG lang lesson, 1351-1400+, ID "This is London calling" band mx, "BBC London" (Poppin 11-17)
- 3930 S. KOREA KBC HS 1-Seoul; 1321 W telling story in KO (Johnson 11-10)
- 3940 CHINA Wuhan; EG lang lesson, CH W translating (Poppin 11-17)
- 3960T SULAWESI RRI-Palu; IN 1422-1427, band mx, fast M ment "berita" (nx) 1423, band, chorus, slow NA 1424 ID "Inilah R..." taps (Poppin)
- 3985 ECUADOR Esc. Radiofonicas; 1020 SP M, ID (Klein) 0135 (Meyer-PERU)
- 3985 S. KOREA Echo of Hope; probable, I got the "of Hope" in tlk by M, ment m.b., kilowatto, Hangu Korea 1425, tone signal, steel guitar w/ KO theme (Poppin 11-18)
- 3995 ASIATIC SSR Nikolaevsk-na-Amure; RS; 1238-1242 baritone M talk w/ background mx, 1240 title of song, "My Dear Land" (Poppin 11-4) Tentative 0852-0905 RS piano mx w/ symphonic accompaniment; no IS or time pips on hour. Talking M&W 0900 (Rankin 11-24)
- 4010 CHINA annual appearance (Young lists as Xilin, Gol Meng; Sparks had it //4952 Xilin Gol, Nei Menggu, PRC) 1404-1503 lang W nx, 1417 band mx; checked and off at 1505. (Poppin 11-15 & 16)
- 4020 CHINA Beijing; *1100-1104 OC, R Peking IS into language ID/px. Good (Krueger 12-20)

- 4030 ASIATIC SSR Anadyr; 0645-1442 RS, M2, TC (Rankin, Johnson, Poppin)
 4040 ASIATIC SSR Vladivostok; 0827-1240 RS, M2 (Rankin, Bryan, Prath)
 4050 ASIATIC SSR Yuzhno-Sakhalinsk; 0832-1300 RS USB (Rankin, Poppin)
 4115 N. KOREA VoRPR; 1417 EG W t/k on Iran, ID 1427, slow martial mx, off
 TL28. (Lattemann) // 4555 1308 KO M&W (Poppin)
 4150 UNID not a harmonic, SP/PT, no ID for over hour (Meyer-PERU) SP/PT? TI
 4273 N. KOREA Kanggye; 1110 KO M lambaste; g (Krueger)
 4380 CHINA PLA-Fuzhou; 1050 CH, opera mx, W (Agner 11-12)
 4395 ASIATIC SSR Yakutsk; RS 1437-1501, opera (Poppin)
 *4467 BOLIVIA R Movima; SP, quite strong last few weeks, message pgm, ID,
 ads, some huynos 2328 (Meyer-PERU)
 4470 UNID poss CH M&W 1349-1401, oriental violin (Poppin)
 4485 ASIATIC SSR. Petropavlovsk-Kamchatka; 0535-1401, RS, TC (4 reporters)
 4500 AUSTRALIA VNG; 1026 EG ID, time signals (Marker)
 *4520 ASIATIC SSR Palana; waited for a year for this one 0704-0802, RS
 local report on Palana collective (kolhz), mx, 0759 "R Palana on
 the air...", s/off, (Poppin 11-18 & 24)
 4556 N. KOREA VoRPR; KO vocals, W ancr (Johnson) 1138
 4610 ASIATIC SSR Khabarovsk; 0723 RS, EZL mx, f (Johnson)
 4656 LAOS Houa Phan; 1140-1203, Lao?, M&W t/k, solo local song, 1155
 M w/ ID and orch mx 1200 nx (Cucera 11-27) You had an ID? How did
 it go??? TK
 4635 TADZHIK SSR Dushanbe; RS 0124-0208, TC, nx/cmtry (Poppin)
 *4690 BHUTAN NYAB; 1230 s/on noted weak carrier and piece of mx like one
 would hear on Nepal, M&W t/k to 1243, selection of typical Western
 instr. mx, quasi-oriental mx, f/out 1253--my best catch w/ presumed
 Vietnam a few hundred Hz up (NYAB measured 4690.3) on fantastic
 Asian morning on beverage--now for a QSL. (Jensen 11-21)
 4696 BOLIVIA R Riberalta; 0009-0100, SP, folk mx, (Bryan, Meyer-PERU)
 4719 CELEBS RRI-Ujung Pandang; 1130-1215 IN t/k, IN mx (Klein, Alexander)
 *4725 BURMA BBS; 1441-1445 M&W, oriental string orch mx bkngd w/ W t/k;
 TL45 s/off, het (Poppin 11-11)
 *4730 BOLIVIA R Fontera; 0220 SP tlks, brassy band mx, occasional brief
 flute piece, 0230 ID, weak signal (Jensen 11-21)
 4738 BOLIVIA UNID here 2340-0005+. Abaroa reported here; Mamore supposedly
 4740. (Krueger)
 4740 BOLIVIA R Mamore; 0015, clear, EZL mx, SP, ID and message on current
 situation in Bolivia (Meyer-PERU)
 4750 CAMEROON Bertoua; 2150-2207* FR/EG, nx, NA (Walsh, Klein) 0435
 FR W t/k; has been quite consistent as of late (Agner)
 4750 CHINA Heilongjiang; 1138-1202 CH M&W, CH mx, time pips (Cucera)
 *4753 BOLIVIA R Em. Bolivia; 0013-0029 SP M, nx items on Bolivia, group
 vocals, Andean flutes; no trace of the HJ; g (Krueger) 0020 SP,
 church mx, ID, some rel t/k (Meyer-PERU)
 4753 CELEBS RRI-Ujung Pandang; 1359 new deep piano solo chime repeated
 followed by church bell tolls till 1402+, ID/mx, NA (Poppin)
 *4754 MALDIVES RM; presumed Maldivian M t/k, 1412-1437 and orch mx; early
 mng call from Jim Young alerted me to check this frequency--our
 notes check out (RRI off air, thus clear of QRM) (Poppin 10-19)
 4755 BRAZIL R Dif. do Maranhao; 0030, PT ID, ads, PT pops (Klein)
 4765 SUMATRA RRI-Medan; 1404-1407 IN, nx, fast version NA (Poppin)
 4765 MONGOLIA Ulan Bator; 1420-1428*, Mong. W ID "R Stahn-see---Bator",
 orch, singing, 1428 off revealing Medan; BBCMS lists 4763 (Poppin)
 4766 ECUADOR CRE; 1018 SP ID, EZL/HC mx (Field, Klein) 0027-0402
 nx, ID CRE pronounced "ce-erre-e" (Rankin, Prath, Meyer-PERU)
 4770 LIBERIA ELWA; 2200-2215 EG, nx, rel pgming (Conrad, Klein)
 4774 JAVA RRI-Jakarta; M ID, 1450-1454, mx (Poppin)
 *4774 PERU R Tarma; 0030 SP, US pop countdown, ads, ID, good; wonder why
 it's varying so much (Meyer-PERU)
 4777 GABON Libreville; 2200-2304 FR, hillife mx, ID, radio play (Conrad,
 Levesque) 0516-0603 FR, local mx (Bryan, Poppin)
 4780 HONDURAS R Juticalpa; 1110-1130 SP, ID, ads, lcl mx (Moore, Klein)
 4780 KARELIAN SSR Petrozavodsk; 0500, IS, RS ID, M&W (Bryan)
 4785 AZERBAIJAN SSR Baku; 2145 ME mx, lang, IS (Cucera) 0345-0415 RS
 cmtry, mx, RTTY low side (Klein, Crawford)
 4785 BRAZIL R Ribamar; 0815, PT ID, TC, sports, pops (Klein) 0840 (Jordan)
 4785 PERU R Coop. Satipo; 0033 SP, criollo mx, message px, ID (Meyer-PERU)
 4790 PERU R Atlantida; 0858 NA (Field) 0037 ID, rel pgm (Meyer-PERU)
 4790 SWAZILAND TWR; *0255-0331 IS, EG/langs rel pgms (4 reporters)
 4794 SURINAM R Apintie; 0320 EZL mx, ID by DT M 0330, drum IS, orch NA,
 0331*; carrier on past 0340 (Crawford) *0827 Hindi/DT (Klein, Krueger)
 4795 ECUADOR LV de las Caras; 0042-0225, Andean mx, ID (4 reporters)
 4800 ASIATIC SSR Yakutsk; 1504 RS, Mayak pgm, nx (Poppin)

- 4801V ECUADOR R Popular; 0044-0339 SP, ID, 1cl1/rel mx. (4 reporters)
 4806 BRAZIL R Dif. Amazonas; 0910 PT, catchy 1cl mx, ID (Jordan)
 4807 SAO TOME R Nac.; 2200-2226; PT ID, nx, PT mx (Conrad, Gavaras)
 *4810 ARMENIAN SSR Yerevan; 0405-0515 RS M&W, M1 IS 0459, nx //4785; P-g (Krueger, Crawford, Klein)
 4810 ECUADOR LV de Galapagos; 0104-0402* SP, EZL/SP pops, ID, NA (5 reporters) 0303* Sunday night (Gress) H1 Hadley... TK
 4815 COLOMBIA R Guatapuri; 0445-0705 SP, pops, ID, all night (3 reporters)
 4820 ECUADOR R Dif. Paz y Bien; *0925-1000 SP, ID, NA, rel pgm, list of upcoming day's pgming (Jordan, Klein) 0107 (Meyer-PERU)
 4825 TURKMEN SSR Ashkhabad; 2210, RS nx, ID (Cucera)
 4825 ASIATIC SSR Yakutsk; 1346-1359* nx, RS, orch, pwr off (Poppin)
 4825 BRAZIL R Educ. Braqanea; 0835 PT ID, EZL mx f-p in ute (Klein)
 4825V GUATEMALA R Mam; 1125 SP, ute off, ID, marimbas (Klein) 0109-0310* SP, ID, local pops (Clark, Bryan, Meyer)
 4825 PERU LV de la Selva; 0109, LA pops, ID, talk on local topics (Meyer)
 4830T THAILAND RT; 1550-1630 here w/ SEA lang (not Malay) long after Sarawak-4835 off w/ W referring to Vietnam, orch mx, nx ment Mam and sounded like "Bangkok"; vocals, dinner bell chime, M talk 1628, band mx and NA (Poppin 11-25)
 4835 BRAZIL R Nac. Boa Vista; 1003-1021, PT ID, sports, mx (Jordan, Klein)
 4835 GUATEMALA R Texulutlan; 1120 ID, SP M, marimbas (Yajko, Klein) 0235* M ID w/ marimba background, silence, power off (Poppin)
 4840 CHINA PFBS-2; 1158 CH, cmtry (Moore)
 4840 PERU R Andahuaylas; 0114, SP ID, huayno mx, messages and local notes, strong signals (Meyer-PERU 11-11)
 4840 VENEZUELA R Valera; 0930 s/on w/ NA, ID, calls (3 reporters) 03D (Word)
 4843T CONGO RTVC; 0524 FR M, talk, Afro mx (Bryan 11-25) ID?... TK
 4845 BOLIVIA R Fides; 0117-0351 SP nx, ID, bank ad past 0415, good. Where is Botswana? (Rankin, Meyer-PERU)
 4845 BOTSWANA R Botswana; 0354 EG/Setswana, IS, NA by chorus, ID in EG into Setswana talk (Bryan)
 4845 COLOMBIA R Bucaramanga; 1040 ID, SP hype, TC (Klein) 0320-0400* SP ID, pops, NA (Valko, Tannenwald, Field, Cartwright)
 4845 MAURITANIA Rdr Nationale; 0627-0710 FR/AR, local chanting, nx, ID/TC (Sellers, Lettemann, Earhart, Klein)
 4845 MOLUCCAS RRI-Ambon; 1150 IN M, watra berita 1200 (Crawford)
 4850 CAMEROON R Yaounde; 2130-2301* "Freak Out", other pops, FR/EG M, ID and nx, NA (Word, Diekman, Cucera)
 4850 SURINAM R SRS; 0832/0300 DT pops, ID, M DJ (5 reporters)
 4851 ECUADOR R Luz y Vida; 0123 SP, EZL mx, ID (Meyer-PERU)***ORDER***
 4850 UZBEK SSR Tashkent; 1152 EZL mx, RM FS IS 1200 into language program; poor (Crawford/Krueger)
 4854V PERU R Pampas; 0125 SP, huaynos, talk on transfer of llamas (? TK) ID, good signal though some QRM (Meyer-PERU)
 4855 BRAZIL R Cinbe-do Para; 0335 PT, song, ID, ad (Jordan) 0820 ID, sound effects, ad, pop mx, g (Klein)
 4856 SUMATRA RRI-Palembang; IN M ID 1430, nx (Poppin)
 4860 PERU R Chinchaycocha; *1058 SP ID followed by NA (Jones) 0845 local mx (Field) 0536 (Poppin) 0128 (Meyer-PERU)
 4860 EUROPEAN SSR Moscow Oblast?; 0430 RS M, classical mx, f (Agner)
 4860 UNID poss USSR noted 0455 past 0500 w/ cont. piano mx through top of hour, no armts, ID's etc., through Peru (Crawford)
 4865 COLOMBIA LV de Cinaruco; 0920-1035 SP ID, ads, local pops (Klein, Frath) 0115-0205 M ancrs, TC, pops, ID (Tannenwald, Jordan)
 4870 BENIN LV de la Revolution; 2232-2302* FR, revolutionary speech, pops, ID, off with apparent NA (Brouillette) 2155 FR hillife (Klein) 0602 FR local mx, M (Bryan)
 4870 ECUADOR R Rio Amazonas; 1050 Indian flute melodies, ID/TC (Klein) 0138 SP, religious talk, mx, ID, g (Meyer-PERU)
 4875 COLOMBIA R Super de Medellin; 0652-0735 SP, LA songs, ID (Danko) 0230 SP, LA pops (Alexander)
 4875 WEST IRIAN RRI-Sorong; 1202 IN, local mx pgm, where did the warta berita go to? (Klein) 1225 EG mx, IN M (Watts-AUSTRALIA)
 4880 VENEZUELA R Universo; 1025 SP, pops, ID (Jordan, Klein, Bauernhuber) 2306-2320 SP, YV pops, (Earhart) 2318 SP, mx (Holland)
 4885 PERU R Huancavelica; 0340 M in SP, instr mx, TC 0345, smeared by big CW QRM 0347. No sign of Ondas del Meta (Radcliff 11-23) 0142 SP LA pops, ID, fair (Meyer-PERU)

- 4890 ECUADOR R Centinela del Sur; 0430-0505* SP "Discorama", TC on
half hour, s/off w/ NA (Clark) 0240 SP, armts, TC (Alexander)
- 4890 HONDURAS R Lux; 0100 musical pgm but not much mx, mostly read-
ing names. ID 0102 (Field)
- 4890 PAPUA NEW GUINEA NBC-Pt. Moresby; 1140-1310 EG nx, ads, music,
crop planting talk (Weinhold, Sellers, Saunders, Klein)
- 4890V SENEGAL Dakar; 0607-0710, NA, IS, M chant, Afro guitar mx,
TC and ID (Klein, Poppin)
- 4895 BRAZIL R Bare; *0800-0830 time signal, NA, PT ID "R Bare de Manaus",
TC, mx; excellent (Krueger, Klein)

44N-73,

[Signature]
Terry

FOR SALE: Sony CRF-5100 in good condition, used for only two years. Coverage: 150-400 kHz, 530-26000 kHz, 88-136 MHz, 147-174 MHz. Can be operated on AC cord or batteries (AC cord is included). Tuning light. Price \$200.00, shipping included. For further information write: Stefan Loren, 4274 Reyes Drive, Tarzana, CA 91356 or call (213) 343-2900 from 0000-0400 GMT. (Not collect.)

FOR SALE: Hammarlund SP-600, recently aligned, retuned and with a new power supply added by Steve Bohac. Price \$325.00. Jeff Stover, 124 South Summit Street, Lock Haven, PA 17745. Telephone (717) 748-6729.

FOR SALE: R390A in good condition. Price \$375.00. Greg Poole, 1730 Belcher Circle, Austell, GA 30001. Telephone: (205) 871-2791.

WANTED: Crystal Calibrator with markers at 10, 5, and possible 1 kHz. Mike Salay, 2685 Montchateau Drive, Cincinnati, OH 45244.

FOR SALE: Mizuho SX-59 Preamp/preselector modified by Gilfer. Hardly used and in new condition. Shipped in original carton with all cables and accessories. Must sell. Price \$65.00 including shipping. Will demo. **WANTED:** Radio West Loop antenna with tropical coverage. Herb Shatz, 80-35 Springfield Blvd., Apt. 2M, Jamaica, NY 11427. Telephone: (212) 464-8561 from 2000 to 0400 GMT.

FOR SALE: Aiwa AM/FM/SW/Cassette Stereo portable receiver for sale or trade toward a good SW receiver. New, won in contest, retails for \$340.00. Every built-in feature imaginable including dual VU's that double for battery and S-meters. Large unit, SW portion is two-band general coverage. For more details or serious offers write: Carl Mann, 5777 Ridgeview Drive SW, Apt. 711, Cedar Rapids, IA 52404. Will ship UPS in original carton.

FOR SALE: Mizuho SX-59 Preselector. Price \$60.00. Also an AD-170 indoor active antenna. Price \$60.00. Both items are less than one year old. Contact: Richard Downey, 99 Florida Avenue, Amsterdam, NY 12010. Telephone: (518) 842-8847. (No collect calls, please.)

FOR SALE: Realistic DX-300 communications receiver. Excellent condition, modified by Radio Shack in Ft. Worth, TX. There is no MHz problem with this unit. Asking price \$325.00. Rob Harrington, 3181 South York Street, Englewood, CO 80110. Telephone (303) 781-1185 0200-0430 GMT.

FOR SALE: Sony ICF-6700W in mint condition. Price \$275.00. I will pay postage and ship in original container. Ron Heath, 12506 East Fallcreek Lane, Cerritos, CA 90701. Telephone (213) 926-1613 (not collect).

FOR SALE: DX-300 in good condition, nine months old. Will ship UPS insured. Price \$325.00. Donald Minor, 1148 East Tempe Drive, Tempe, AZ 85281.

log report

section

4900-6199

B

STEVEN WISEBLOOD

- 1905 CHINA Nanning (Guanxi Prov): 1456-1501 M tenor w/ "O Solo Mio" w/piano accompaniment, W ancr in CH, flute & orchestral mx, time pips @ 1500, M&W in CH w/nx (Poppin-CA).
- 1905 BRAZIL R. Relogio Federal: 0053-0111 M in PT w/nx, W w/TC's, time pips. VG (Poppin-CA)
- 1910 ECUADOR E. Gran Colombia: 0045 weird sounding lcl mx, M ancr w/TC, ID. VG (Klein-FL).
- 1915 BRAZIL Rdf Macapa: 0810-0845 Brazilian pop mx, rooster crows, ID as "R. Nacional", many PT ads (Greerwood-PA, Klein-FL, D Moore).
- 1915 GHANA GBC-Accra: 2115-2305* gospel organ mx, Afro mx, nx by M in EG, ID & S/off amnts (Leithner, Conrad, Alexander). 0545-0615* nx by M in EG (Diekman, Bryan-CA).
- 1920 YAKUT SSR Yakutsk: 1404-1509 tlk by M&W in RS, operatic & choral mx (Poppin-CA).
- 1920 ECUADOR R.quito: 0450-0504* Lively Lam mx, few amnts & only two ads noted during this period. S/off amnts & "Indian Love Call" (Brouillette 11/10).
- 1920 AUSTRALIA ABC Brisbane: 0805-0815 EG world & lcl mx, EG discussion pgm(Clark, Klein).
- 1924.8 EQUATORIAL GUINEA LV de Rio Muni: 2138-2158* Afro mx w/EG amnts (Valko 12/10).
- 1925 CHINA Haerbin (Heilongjiang Prov): 1214 tlk by M&W in CH, Brisbane QRM (Valko 11/24).
- 1930 TURKMEN Ashkhabad: 0059-0202 weakly audible w/Mayak IS every 30 minutes, Tbilisi not scheduled to S/on until *0200 (Rankin-KS 11/24).
- 1930 GEORGIAN SSR Tbilisi: 0440 tlk by W in RS, weak w/elscl mx (Valko 12/9).
- 1935t PERU R. Tropical: 0330 Lam mx pgm w/W ancr in SP, operatic S/off @ 0405 (Field 11/17)
- 1940 ECUADOR Rdf Nac: 1043 full ID w/TH, fags., Ecuadorian mx, bad het. VG (Jones-MS).
- 1940 VENEZUELA R. Yaracuy: ID @ 0200, Lam mx, SP amnts, many ads (Leithner 10/30).
- 1940 IVORY COAST Abidjan: 2145-2210 tlk by M in FR, lcl Afro mx, mixing w/Yaracuy(Alexander).
- 1940 CHINA Qinghai: 1128 M in CH w/Cmtry (D Moore 11/20).
- 1940 YAKUT SSR Yakutsk: 1510-1514 Nutcracker Suite mx //4800, 4920. Fair (Poppin-CA 12/2).
- 1940 UKRAINIAN SSR Kiev: 0413-0516 13-note IS every 15 minutes, Clscl mx (Rankin-KS)
- 1945 COLOMBIA R. Colosal: 0500-0800 upbeat Lam mx, many ID's, ads (5 reporters).
- 1950 SARAWAK RM-Kucjng: 1436-1449 tlk by W in EG on the rising costs of econdary school, ID by M "R. Malaysia-Kuching", Malay tlk w/reference to Sibn (Poppin-CA 12/1).
- 1950t MONGOLIA RUB: Likely the one here @ 1105 w/tlk by W in CH, //5960, into Mongolian following their IS @ 1130. Noted daily! (Agner-November).
- 1955t SUMATERA RRI Banda Aceh: flute & orchestral mx 1416, vocal mx to 1430, VG w/het(Poppin)
- 1960 ECUADOR R. Federacion: 0040-0130 nice pgm of Ecuadorian mx, ID, SP amnts(Leithner,Klein)
- 1965 BRAZIL UNID: 0855 Accordian musical selections, no sign of Santa Fe (Field 11/30).
- 1969.1 SABAH RM-Kota Kinabalu: 1543-1602*prayer like orchestral mx, prayer chant by M, M ancr in Malay lang., ID by M, W ancr w/ld nx after 1600, S/off amnts & NA (Poppin-CA 12/1).
- 1972.5 FRENCH GUYANA FR3-Cayenne: 0230-0310* Pop vocal mx, tlk by W in FR (Rankin-KS 11/18).
- 1975 ASIATIC RSPFR Blagovshchensk: 1350 EG lessons for CH speaking listeners!, such as "We are proud of our Soviet Homeland!" (Wilson 11/24).
- 1975 COLOMBIA Ondas del Oteguaza: 1012 ID, TC, Lam mx over the UTE. VG (Jones-MS 11/2)
- 1980 VENEZUELA Ecos del Torbes: 2250-2305 tlk by M in SP, ads, Lam mx, ID (Earhart-PA). 0145 SP nx, tlk by M ancr, ads (Alexander 11/17).
- 1990 VENEZUELA R. Barquisimeto: 2347-2355 upbeat Lam mx, M ancr in SP, lengthy ID (Levesque).
- 1990 CHINA Hunan: 1150-1154 CH oriental vocal mx, Strong! (Krueger-FL 11/13).
- 1990 NGERIA VON: 2235-2330 lcl pop mx pgm, EG amnts, then opera pgm. VG (Levesque 11/21).
- 1995 MONGOLIA RUB: 1200 Radio Moscow's Foreign Service IS, ID by W, into nx in RS, Poor (DW Johnson 11/10). 1313-1501* tlk in MG by M&W, piano mx, NA @ S/off (Poppin-CA 11/16)
- 005 EQUATORIAL GUINEA LV de Rio Muni: 2100-2131* SP tlk by M, ID @ 2127, S/off amnts, NA @ 2128 (Conrad, Alexander, Yajko).*0422-0514 Multiple arrangements of the NA, ID as R. Ecuatorial, and R. Beta, lcl SP mx. Strong (Cartwright-PA, Clark, Agner-MA).
- 010 PERU R. Eco: 1040 Peruvian mx, W ancr w/TC every minute. Good (Jones-MS 10/10).
- 025 BRAZIL R. Borborema: 0055 PT tlk, Brazilian mx, ID @ 0100 (Tannenwald-NY 11/10).
- 026 ECUADOR R. Splendit-Cuenca: 1011 ID, Ecuadorian mx, TC, into Quecha pgm @ 1040(Sellers)
- 030 VENEZUELA R. Continente: 2335-0005 tlk by 2-M in SP, sounded like a live broadcast from inside a large building, heard a police siren once!, Fair w/RITY QRM (Earhart-PA). 0917 Lam mx, M ancr in SP w/mention of "campesinos", SP ads (Sellers 11/30).
- 035t COLOMBIA Caqueta?: 1208-1232+ M&W in SP w/tlk, usual Lam pop mx (Radcliff-IL 11/23).
- 035 BRAZIL R. Aparecida: 0003-0100 Brazilian & US pop mx, PT ID's & TC's (Rankin-KS 11/19)
- 035 KAZAKH SSR R. Alma Ata: 1512-1520 definite tlk in Central Asian lang., chant-like repetitious melody, tlk by M & chant-like vocals (Poppin-CA 11/25).
- 040 VENEZUELA R. Maturin: 2325 Lam mx, SP amnts, ID (Alexander 12/4). 0925 Lam pop mx, full ID @ 0930, S/on is @ 0900 & not 1000 as in the latest TBS (Sellers 11/30).
- 040 PERU R. Libertad de Junin: 0755* Peruvian mx, "Happy Birthday" sung in EG, followed by ID, NA & S/off. Good (Jones-MS 10/9). A bit old, but still a good DX catch! -ScW

- 5040t GEORGIAN SSR Tbilisi?: 0420 tkl by W in RS, RS rx w/references to Carter (Agner-MA).
 5040 COLOMBIA R. Cinco: 0540-0950 fast LA_m mx, SP vocals, "Cinco!" at frequent intervals, SP anmts, "Caracol" promos. Poor except Fair in MS (Jones-MS, Tannenwald, Jordan, /
 5045 BRAZIL R. Cult do Para: 0125 lol pop & US pop mx, M ancr (Alexander). (Earhart-P/
 5045 COOK ISLANDS RCI: 0502-0830* caught bits of an EG nrcast, "Cook Islands Broadcasting"
 ID w/drum beats @ 0523, 0552 M in EG announced upcoming RNZ pgm (Watts, Lattemann-WA).
 5046 JAVA RRI Yogyakarta: 1520 tkl by M in IN, rx, slow orchestral mx w/vocals (Poppin-CA).
 5047 TOGO RT-Lome: 2128-2200 Rock mx & nonstop Afro mx, brief FR anmts (Valko 1/10, Conrad).
 0558 Afro tribal mx, ID on the hour, FR anmts, Fair w/UTE (Sellers 11/29).
 5050 VENEZUELA R. Mundial: 0840-0905 LA_m pop mx, ballads, ads, tkl by M ancr. Fair (Jordan).
 5052 SINGAPORE RS: 1434-1446 tkl by M&W in EG, //5010, rock & subcontinental mx (Poppin-CA).
 5055 BRAZIL R. Maua: 2232 PT tkl, ID @ 2239 (Yajko 11.11). 0045 tkl by M in PT w/many mentions of Brazil u/TIFC (Agner-MA 11/28).
 5055 SWAZILAND TWR: 0325 tkl in Shona, hymns, organ mx, into Ndebele @ 0330. Poor (Clark).
 5055 COSTA RICA Faro del Caribe - TIFC: 0100-0115 SP religious pgm, ID, EZ listening mx (Alexander). 0320-0352* "Revival Time" Religious pgm, ID's (Sanders, Cinert, Zilmer).
 0416-0427* M in SP w/sports event, ID in SP, brief symphony mx, into band mx (Poppin).
 5057 ALBANIA R. Gjirokaster: 0510-0652 M counting out numbers for excersize pgm: w/piano accompaniment. ID by W in Albanian, rx, lol folk mx (Alexander, Earhart, Jordan).
 5060 ECUADOR Sistema de Emisora Progresso: 1025 LA_m mx, ID by M, TC (Prath 11/24).
 5075 COLOMBIA R. Sutatenza: 0043-0103 SP public service pgm w/trlk on Labor Council, into Instrumental pop mx., ID's, Excellent (Brouillette 11/23).
 5095 COLOMBIA R. Sutatenza: 0250-0256* tkl by M&W in SP, into GM tkl, some GM mx, ID (Bryan).
 0932 SP ads, very nice guitar vocal mx, Good (Sellers 11/30).
 5135 COLOMBIA UNIV: 0940-1025 pgms from the Colombian Government, LA_m mx, SP cmtrys, could this be some type of feeder? Poor-Fair w/bad QRN (Greerwood-PA 11/28).
 5240 CHINA FPBS-1: 1015 2-M in CH w/tlk, lots noise on this fqy. (Prath 11/24).
 5265 CHINA FPBS-1: 1005-1045 vocal CH oriental mx, tkl by M&W in CH (Prath 11/24, Conrad).
 5585t BOLIVIA R. Machupo: 2358-0005 M ancr in SP, group vocal mx. Fair (Krueger-FL 11/18).
 5770 CHINA FPBS2: 0950 W in CH w/tlk (Prath 11/24).
 5881.5 ARGENTINA R. Rivadavia: 0027/-349 SP "futbal" game w/fast talking announcers, discussion pgm, ads, ID. Good (Poppin-CA 11/18, Brouillette 11/23, Gavaras 11/21).
 5900 ASIATIC RSPSR RM-Petropavlovsk: 0555 EG Cmtry by M&W, EG nx @ 0600, ID (Hensley-TX).
 5900 CHINA FPBS-1: 1050 CH tkl & lol oriental mx, //5240, 5265, 6765 & 7850 (Alexander 11/21).
 5930 CZECHOSLOVAKIA R. Prague: *2000 EG to the British Isles, Good (Walsh 11/23). 0115-0157 in Czech until 0130, then in EG to NAM, EG nx & Cmtry (Bauernhuber, Danko).
 5935 LATVIAN SSR R. Riga: 2100 electronic IS, tkl in Latvian by W, childrens chorus accompanied by a piano, folk mx. Poor (Peck-NY 11/25).
 5940 UKRAINIAN SSR Kiev: 1958 GM tkl, R. Moscow FS IS. Good (Walsh 11/23).
 5940 ASIATIC RSPSR Magadan HS: 0449-0734 radio play, Moscow TC, "Govorit Magadan" ID at 0459, symphony orchestral mx including flute & piano solo (Poppin-CA 11/23).
 5945 AUSTRIA ORF: 1955 GM pgm of Alpine mx, Good (Walsh 11/23). 0330 Austrian rx in EG, World nx, cmtry, Classical mx, discussion. Very Good (Hesch-NY, Reynolds).
 5949.5 NICARAGUA LV de Nic: Noted here w/US & LA_m pop mx, SP dj, 2330-0430+ (Wisblood-CA)
 5950 GUYANA GBS: 0155-0209 US Pop & Rock mx, M ancr in EG, ID's (D'Angelo) 0152-0252* Religious pgm, Classical mx, NA @ S/off (Clark). 0640-1002 EG nx, birthday greetings, US pop/rock mx, guitar tune IS repeated over and over for over 20 minutes around 0830, ads, coverage of Australia-West Indies soccer tournament, Hindi mx, Christian religious pgms, normal S/on time is *0845 w/S/on info & church svcc (8 reporters) Thanks, guys!
 5950 CHINA Heerbin (Heilongjiang Prov): 0545-0612* play w/enthusiastic tkl by M&W in CH, usually dominates the fqy around this time (Wisblood-CA), *0830-1150 "Best is Red" anthem, W in CH w/tlk, operatic style vocal mx, this one relays Peking-1 after 1200, but may have pgms of local origination after 1315 & 1415 (Klein, Clark).
 5955 COLOMBIA LV de los Centauros: *0935 Colombian ballads, ID, calls, NA, "Buenos Dias Colombia", into lol pop mx, not "Cantova" as rpted in Nov. LR-B (Klein-FL 11/14).
 5955 NETHERLANDS RN: 0705 EG wld nx, rpts from correspondants on "Newline" (Sellers).
 5960 CANADA RCI: 0000-0030 "As it Happens", interviews (Dishman 11/15). 0100-0129 EG nx, cmtry, DX Digest w/"Hauser" (Bauernhuber, Davenport). 0300 checking for DX digest, RCI was absent from 5960, but was on 9535. At 0400 both 5960 & 9535 were absent, but 11845 was there as usual. Whats the problem? (Radcliff-IL) Problem, what problem? See
 5960 EUROPEAN RSPSR: R. Moscow here 0145-0200 w/dramatic reading by M in RS, RCI off the air this evening (Rankin-KS). RCI is off the 12th of each month for xmtr tests, problem solve
 5965 CUBA RHC: 0953* end of nx in PT, cmtry, is this a nf? Exc. (Jones 10/26).
 5965 BRAZIL R. Guaba: 2310-2345 PT nx, soccer game, cmtry. Good (Yajko, D. Moore).
 5965 MALAYSIA RM-Kuala Lumpur: Readings by a M from the holy Qu'ran, tkl by W in Malay (Peck
 5975 NORTH KOREA Pyongyang: 1115 discourse on S. Korean politics & reunification, in EG to SEAs & Aus/NZ, ID @ 1122. Good (Sellers). Normally blocked by Peking here in California
 5970 ASIATIC RSPSR Nikolaevsk: 0645 M ancr in RS, lite vocal mx, Malay IS. G-F (DW Johnson).
 5970 DOMINICAN REPUBLIC RTVD: 0010 noted back on the air w/quick ID to 0045* (Crawford 11/2
 5980 USA KGEI: 1055-1110 M in JP w/religious tkl w/background piano mx, ID by M in EG Followed by tkl by W in SP. Good (Jordan 11/12).
 5980 EUROPEAN RSPSR R. Moscow: 2000 nx in EG, Good! (Walsh 11/23).

- 5980 TAIWAN Voice of Asia: 1015 W in CH w/pgm on the background of bluegrass mx w/barnyard sounds. Very Good! (Levesque-IL 11/21). I haven't heard this one myself yet!! -ScW
- 5985 WEST GERMANY RFE: 0628-0705 M in GM w/mention of Pakistan, Carter, Kennedy (Jordan).
- 5985 BURMA BBS: 1447 EG nx government review, old US pop mx -Vietnam vintage (Clark 11/26)
- 5990 GREAT BRITAIN BBC-London: 2100 tkl in Italian, Very good signals (Conrad 11/22).
- 5990 ASIATIC RSFSR Nikolaevsk: 1150 Semi-Ciscl piano mx to Mayak IS @ 1159, RS anmt(Klein)
- 5990mt ITALY Rome: Hungarian 1940-2000, Albanian 2000-2020 ex-9575; AR 2025-2045, SP 2050-2110, ex 9710, BBC co-channel (Padula 11/4 & 5).
- 5990 ROMANIA R. Bucharest: *0130-0200 EG nx, culture tkl by M&W, communist party nx, cmtry (Pyatt, Slomka, Prath, Brouillette). 0400-0428 EG nx & cmtry (Earhart, Jordan)
- 5993.5v COLOMBIA Radif Nacional: 0945-1135 MoR SP mx, EG lessons, W ancr, SP anmts, TC, ID, very unstable signal drifted down a kHz in only a minute! (Klein-FL, Kowalski, Jordan).
- 5995 AUSTRALIA RA: 0934-1010 IS, ID, EG nx, pidgin EG to New Guinea (Walsh, Jordan, Agner)
- 5995 MALI Radif Nat. du Mali: 2335-0002* Afro mx, FR tkl, anmts (RA D'Angelo 11/27).
- 0708 FR nx, AR stringed mx, AR tkl after 0710. Poor (Sellers 11/29).
- 5000 BRAZIL R. Inconfidencia: 2200-0148 Pop mx, FT tkl, ads (Conrad, D'Angelo, Moore, YaJko)
- 5005 CANADA CFCX-Montreal: 1530 pop/rock mx, ads, ID @ 1533, M dj in EG (Reynolds 11/22).
- 5006 COSTA RICA R. Reijo: 0635 Lam mx, ID, M ancr in SP (Alexander 11/18).
- 5010 VENEZUELA R. Los Andes: 1004-1100 usual "Mil-Cuarenta" ID's, SP tkl (Jordan, Jones-MS)
- 5010 PERU R. America: 1035 many ads, TC's, ID @ 1035. Fair (YaJko 11/23).
- 5015 SOUTH KOREA RK: 1150 W ancr w/political cmtry in KR. Good (Klein-FL 11/12).
- 5015 PORTUGAL R. Canada: 0335-0345* nx & cmtry in RS, ID @ S/off, no jamming (Buer 11/24)
- 5015 VATICAN STATE VR: 0105-0113* 2-M in EG w/cmtry, IS after 0113 (Earhart-PA 11/26).
- 5020 PERU R. Victoria: 1030 M ancr in SP, Lam mx, ID. Fair-Good (Levesque-IL 11/22).
- 5020 UKRAINIAN SSR Kiev: 2015-2030* EG "Ukrainian Panorama", QRM from R. Nderland (Walsh)
- 5025 UZBEK SSR R. Tashkent: 1205 W ancr w/nx in EG, features of lcl interest. F (Klein).
- 5025 MALAYSIA RM: 1257 W ancr w/tml in BM, ID's as in 1979-WRTH. Poor w/QRM (Van Patten).
- 5025 PORTUGAL RP: *2030 Very Strong w/EG nx (Walsh 11/23). 0245-0306 PT to 0300, then EG nx & tkl about the Socialist Party (Moman, Brouillette). 0515 EG nx & ID (Leithner).
- 029-***ANTARCTICA RN Arcangel San Gabriel: 2358-0100 SP ballads, full ID w/QTH, usually obliterated everyday around 0058 by AFRTS OC. Very Poor (Jordan, Gavaras, Cartwright)
- 030 EUROPEAN RSFSR: UNID QTH, heard daily w/Mayak IS @ 0030, RS tkl (noname). (Radcliff)
- 030 WEST GERMANY Sueddeutscher Rundfunk: 0730-0745 wake-up mx w/tuba's & GM tkl by M(Rankin)
- 030.5t PHILIPPINES FEBC: tkl in lang. 1158-1200, then "Back to the Bible" in EG, M in lang., @ 1229 & W w/ID. Very weak & fluttery, ID did not sound like FEBC, maybe R. Veritas?, fades out around 1235 following hymn music (Kowalski-WI 12/2, 3).
- 035 LIBERIA VOA-Careystown: 0640-0720 "African Safari" pgm in EG (Watts-AUSTRALIA).
- 035 COSTA RICA Faro del Caribe-TIFC: 1050-1110 hymn sung in EG, W in SP w/tml (Jordan).
- 045 AUSTRALIA RA-Lyndhurst: 1000-1230 EG World nx, "Focus on Australia", pop mx featuring Part II of the Australian top-20 (Prath, Abbey, Jordan).
- 045 COLOMBIA R. Melodia: 0115-1013 Campesino mx, vocal ballads, ID's, SP anmts, M ancr in SP requesting listeners reports on reception (Klein, Wilson, YaJko, Reynolds, Alexander).
- 055 KUWAIT R. Kuwait: 2102-2111* ID, M in AR w/world nx, S/off. Good (Krueger-FL 11/15).
- 055 USA UN Radio: This was UN Radio's prime frequency for English broadcasts during evening meetings of the security council on the Iranian situation, logged on 12/2 from *0159-0430* w/severe QRM from the BBC SP svce, and on 12/3 from *0030-0230*. The UN radio had its own commentator, differing from AFRTS & VOA coverage (Hauser-TN).
- 555 JAPAN NSB*1: 0750-0810 tkl by M in JP, pop vocal mx, ID by W @ 0800 (Jordan 11/18).
- 560 CUBA RHC: 0130-0145 lcl mx, ID in SP. Excellent (Reynolds 11/5).
- 565 SPAIN SFR: 0515-0615 M in EG w/nx, "Tourist Guide", //11880,9630 (Johns-TN, Sellers).
- 565 COLOMBIA R. Super-Bogota: 1000-1015 M in SP w/anmts & nx, ballads, ntwk ID (Jordan).
- 570 CANADA CFCX-Toronto: 0431 EG nx, sports, ads, EZ listening mx (Ethen 11/16).
- 570 UNID 2145-2158 M ancr w/British accent, Xmas mx, sports scores, PSA (O'Donnell 12/8)
- 575 ITALY RAI: *0510 bird chirping IS, bells, M ancr w/ID, into RM pgm (Klein FL 11/12).
- 575 WEST GERMANY DW: 0515-0540 Mid-Eastern mx & Tango-like rhythms, AR tkl (Jordan 11/11)
- 580 CANADA CKWX-Vancouver: 0435 EG ID, PSA's, C&W mx (Ethen 11/16).
- 580 ASIATIC RSFSR Khabarovsk: 1140 "Tales from the Vienna Woods", RS anmts, VG (Klein).
- 580 AUSTRALIA RA: 1230-1245 EG nx about Australia, //9580, ID (Van Patten, Prath, Fraser)
- 582 COSTA RICA R. Nueva Victoria: 2340-0125 SP report from sports correspondants, ID, Big Ben sounding chimes, Lam mx (Rankin-KS 11/13, Cartwright 11/23, Jones-MS 11/7).
- 85 COLOMBIA Ondas del Darien: 1113 SP nx broadcast (YaJko 11/23).
- 85 WEST GERMANY Bayerischer Rundfunk: 0740 Beerhall mx, lotsa splatter (Crawford 11/4).
- 90 ASIATIC RSFSR Irkutsk: 0550-0630 M in RS w/nx, conversational tkl by M&W, theme from "Rocky", nx w/mentions of Irkutsk & Moscow. Poor (Jordan 11/11).
- 90 EUROPEAN RSFSR RM-Orenburg: 2359-0007 Kremlin chimes heard u/Luxembourg (Rankin-KS).
- 90 NIGERIA NBC-Kaduna: 2210-2213* Stringed instrument mx w/chanting, W ancr @ 2300, M w/tml in African lang., Koranic chanting, S/off w/march NA (Rankin-KS 11/11)
- 90v BOLIVIA R. Stentor: 0925-0955 flute melodies, pgm of political rhetoric (Jordan).
- 90 LUXEMBOURG RL: 2313-0205 GM "biergarten" mx w/W dj until 0000, then EG pop mx, ads, ID, wx, Fair w/severe QRM (6 reporters). 0800-0835 Big-band era mx, GM ads (Jordan).
- 95 POLAND Polish Radio: 0100-0130 tkl by M&W in Polish, ID (Jordan). 0202 EG nx (Prath).

- 6100 ASIATIC RSFSR: 1145-1215 M&W w/tlk in MG, RM Foreign-Service IS @ 1200, martial mx W in MG w/nx. Poor-Good (Jordan 11/24, Klein-FL 12/3).
- 6102.7 COSTA RICA R. Universidad: 0415-0552* Uninterrupted disco mx, disgusting! (Klein-FL)
- 6105 MEXICO XEQM-Su Pantera: 0500 M anc in SP, many ads, disco mx, Vy. Good (George-TD 1230 Mexican pop mx, SP ads, ID (Wilson 11/16).
- 6110 GREAT BRITAIN BBC: *0511-0523 IS, ID, into nx in FR, Big Ben chimes (D Moore, Klei)
- 6115 PERU R. Union: 1030 Hi-Andes nose flutes, M anc w/ID in SP, ads, TC (Klein-FL 12/
- 6115 MEXICO R. Univ de Sonora: 2250-2259 Clisol piano mx, W in SP w/ID (Bryan-CA 11/4).
- 6115 CUBA R. Moscow: 0130-0200 ID, EG nx, "Soviet way of Life", //7440 (J Williams 11/1
- 6115 COLOMBIA LV del Llano: 0715-1120 LAM pop mx, lengthy SP anmts by M, jingles, ID's real slick production techniques! Good (Jordan 11/13, Prath 11/24, D Moore 11/24).
- 6120 VENEZUELA R. Angostura: *0925-1050 LAM pop mx, NA & march mx @ S/on, ID as "Radio Angostura Internacional", M anc in SP, calls, Fqys., Fair-Good (Jones-MS, Jordan).
- 6130 GHANA GBC-Accra: 2200-2301* ID, live broadcast from a lcl nightclub, "Evening Shad pgn, hymns sung by a choir, EG ID @ 2300, March anthem @ S/off (Rankin-KS, Semesky)
- 6130 CANADA CHNX-Halifax (Nova Scotia Prov.): 2230-2327 pop/rock mx, ID, ads, sports nx TC, wx (Leithner, Alexander, D Moore). 1100-1416 EG nx, "Top-40" mx, ads, wx (4 rpt USA VQA: EG to LAM xmtr not on the air 12/3 @ 0035 check during UN coverage of the Iranian situation; perhaps the transmitter itself was needed for 6055? (Hauser-TN).
- 6130 ECUADOR HCJB-Quito: 0925-0930 Clayton Howard's wrap-up of DX Party Line (Jordan 11
- 6135 SWITZERLAND SRI: 0145-0215 EG nx read by a W, "Jazz Panorama". Fair (Pyatt, Brouil
- 6135t ASIATIC RSFSR UnID xmtr: 0835-0900 M&W in RS w/reports of Kampuchea. Flute mx (Jor
- 6135 SOUTH KOREA RK: 1210, //6165 but not //6015, pgn of US pops sung in KR (Klein-FL)
- 6135 CHILE R. Univ de Concepcion: *1000 Trumpets IS, ID, fqys., W in EG requesting rpts
- 6145 WEST GERMANY DW: 0130-0150 EG nx, ID, to NAM, 2-M in EG w/cmtry (Davenport/Jones-MS
- 6150 AUSTRALIA ABC-Lyndhurst: 1136-1200 EG tlk debating Tax-Bill 420 (Cucura-PA 11/8).
- 6150 COLOMBIA LV del Huila: 0717-1110 LAM mx, SP tlk, M in SP w/ID, ads, ID (4 reporters)
- 6155 JAPAN FEN-Tokyo: 1105-1155 US pops mx, ID, EG World nx. Good (Ethen 11/19, Klein-I
- 6160 GREAT BRITAIN BBC: 2215 tlk by M in JP, followed by theme from "Love Story" (Conrac
- 6160 COLOMBIA Em Nueva Granada: 0138-0227 R. Nederlands QRM de 6165, LAM mx (RA D'Angelo
- 6160 CANADA CKZU-Vancouver: 2259 EG tlk show, cmtry on quebec relations w/Canada (Brya
- 6160 CANADA CKZN-St. John's: 1015-1130 TC, Pop mx, EG anmts, "The Morning Show", EG nx, wx. CBC nx. Good w/Columbia off this morning (Alexander 11/22, Sellers 11/23).
- 6165 SWITZERLAND SRI: 0720 Omni-directional broadcast in EG, nx features. Good (Sellers,
- 6165 ASIATIC RSFSR Khabarovsk: 1358 tlk by W in possible CH, RM IS, Poor (Marker 11/22).
- 6170 COLOMBIA LV de la Selva: 1000-1025 LAM mx, SP tlk, TC's, catchy tunes (Jordan, Alexar
- 6175 FRANCE France-Inter: 0740-0805 tlk by M in FR, Euro pop/disco mx. VG (Jordan 11/24)
- 6180 VENEZUELA R. Turismo: *0923-1040 NA, Martial mx, ID, fqys., LAM mx, many ads, TC's, M anc in SP, musical ID's. Very Good (Jones-MS 10/22, Alexander 11/22, Jordan 11/12
- 6180 GUATEMALA R. Nac: 1120-1145 Marimba mx, M in SP w/anmts, "LV del Pueblo" ID's (5 rp
- 6185 BRAZIL R. Bandeirantes: 0645 Brazilian pop mx, M anc in PT w/anmts, ID (Alexander)
- 6190 JAPAN NHK-1 Osaka: 1025-1045 W anc in JP, John Denver mx, ID, JP nx (Jordan 11/12)
- 6190 WEST GERMANY SFB: 0730 GM polka mx, ID, quite good at times (Crawford 11/4).
- 6195 CANADA CBC-NS: 0205-0505 tlk by M on the quebec situation (Marker, Harrington-CO).
- Well, thats about it for this month. A lot of good Far-Eastern DX reported this month, though not as much as in previous years around Nov-Dec. But with the Solar cycle peaking I guess this is to be expected. Expect good northern latitude DX to continue through mid-March. As mentioned previously, I am now KAG1ED, holder of a Novice license. Although my modest 70-watt xmtr is undergoing repairs for a blown output xistor, allowing me with time to DX over the holidays! Until next month, 73's de Steve
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NOTICE: The following computerized shortwave information is still available: (1). A list of 15*-of-the-month Sunrise/Sunset times for over 470 places around the world. All areas are locations with radio stations. Price \$5.00 each. (2). Up-to-date English Language Schedule compiled both by country and time. Price \$2.00 Dan Ferguson, Box 8452, South Charleston, WV 25303.

log report *section* **C**

6200-11699

PETER SCHIPELLTI

I don't believe it. 1980 is here already! I hope that everyone had a good holiday season and is enjoying good health. I was able to use a Bearcat 220 scanner during the holidays and I must say that there is about as much activity up there (VHF/UHF) as there is down here (HF). All sorts of communications everywhere I tuned on VHF/UHF made me envy anyone who owns a scanner. Getting back to the low bands.....Away we go

- 6210 VATICAN R. Vatican; Latin/EG, 0655-0708, mass in Latin, ID (Earhart 12/1)
; 0733-0755 FR/IT (Rankin 11/23)
- 6213 USA Bootleg WDAB; 0800 EG, usual oldies format, anncd pgm as pre-recorded on Oct. 18th. Greetings for listeners in Iowa. Fair signal w/ mild flutter (Crawford 11/4)
- 6215 ANDORRA AWR Relay; 2030 EG, religious pgm, ID as "This is AWR using the facilities of R. Andorra 6215 KHz." at 2059. 2100* (Fisher 11/23)
- 6250 EQUATORIAL GUINEA R. Malabo; 2000 SP, ID by YL, NA, (Conrad 11/21)
- 6550 LEBANON V. of Lebanon; 0420 AR, presumed, adequate signal in Arabic talk, matching new earlier s/on time of 0415 reported by BBCMS; however, not on the freq. BBCMS reported, 6500, which may have been a typo (Hauser 12/1)
- 6576 NORTH KOREA R. Pyongyang; 1710 FR, Mx, ID, to Europe (Ethen 11/23)
- 6910 LAOS Oudom Xay; 1228 Lao, OM anncr w/ tlks, ID & March Mx @ 1230 (D.W. Johnson 11/10)
- 6912 LAOS Oudom Xay; 1136-1200 Lao?, tlks & lcl Mx, (Cucura 11/7) 23)
- 7065 ALBANIA R. Tirana; 0000 EG, Nx- without slanted comment (Zilmer 11/18) (Cincert 11/1)
- 7086 UNID : 0516 AR(t) OM in tlk, AR vocal Mx, YL @ 0536 w/ tlk & Mid-East Mx. Albania was on 7090. poor/weak. gone @ 0552 (D.W. Johnson 11/28)
- 7110 ETHIOPIA VoRE; 0655-0720 FR, continuous & unrelenting march Mx, ID by OM at 0700. Fair. (Jordan 11/19)
- 7120 ALBANIA R. Tirana; 0243 EG, Tlk, short story, ID (Saunders 11/20)
- 7145 POLAND Polish Radio; 0225 EG, Nx & Cmnty (Leithner 10/30); 0310 EG, (Holland 10/27)
- 7145 UNID : 0932-0943* EG/AR, EG Nx mostly sbt Mid-East, into AR @ 0941, back to EG @ 0943, but jammer came on and obliterated signal (Clark 12/1)
- 7170 NEW CALEDONIA R. Noumea; 0736 FR, EG pop Mx (Diekman 11/24) (Crawford 11/4)
- 7190T YEMEN DYES-Aden; 2115 AR, Orch Folk Mx, folk orchestra w/ flutes & man singing in Arabic, overwhelmed by co-channel jammer. (Peck 11/25) 26)
- 7210 SWITZERLAND Int'l Red Cross R.; *0600-0706* EG/FR, ID, Asian Reports (Krueger 11/1)
- 7225 TUNISIA RTT; 0800 AR, AR Mx, OM w/ tlks. //15225 (Alexander 11/11); 0526 AR, (Cartwright 11/24)
- 7255 NIGERIA VoN; 0445 EG, YL w/ Pgm of World Nx (Maise 12/1)
- 7265 GERMANY (WEST) Sudwestfunk; 0435-0515 GM, Flok Mx, barely audible between ARO's (Clark 11/29) (Leithner 10/27)
- 7290 ITALY RAI; *2025-2045* EG, NF ex 7235 xed USSR (Padula-AUSTRALIA 11/5)
- 7320 USSR Magadan; 0514-0532 RS, two OM discuss report abt Magadan, industry, transport, 0518+ OM gives report on conference, names delegates 0520, YL anncs vocalists & song title, followed by YL pop Mx and song "Nada" (Need To), OM voc Pop song, electric organ & orch at 0528+ then OM "You listened to....Program". etc. Mx continued. 0529+ OM "Magadan time 16 hours 30 minutes" followed by pgm of songs of Chalapin into 0532. Fair-Good (Poppin 11/2) Thanks for exc report George. ps.
- 7325 GREAT BRITAIN : 0200 UK/EG. Shades of Sackville! Big Mxup in program feeds on main BBC frequency to North America 0159 12/1, heard VOA "Washington" s/on mixing with BBC and VOA into Ukranian 0200, no BBC, 0201 switch back to BBC only. All SW relays of VOA thru Britain are supposedly via Woofferton (e.g. sked at this time to USSR on 6180), but I didn't think Woofferton was used for BBC broadcast. So How did this happen? (Hauser 12/1)
- 7360 USA? Bootleg; 0508 EG, tuned in to hear unintelligible EG tlk by OM & Tullish sounding flute Mx, 0525 "You are tuned to...(possibly Kings or Green) Radio, Voice of the..."0533 "Goodbye" & off, Fair signals w/ poor audio. (Crawford 10/7)
- 7384 LAOS Savannakhet; *1055 Laotian; Apparent NA, w/ YL singing & folk orchestra, tlks in Laotian @ 1058 w/ apparent mention of Savannakhet. OM singing folk Mx w/ flute. Very Poor. (Peck 11/6)
- 7412 ISRAEL Kol Israel; 2240 EG, Mx Nx & comment, ID, Mailbox, (Bryan 11/25) (Earhart 11/30)
- 7500 AUSTRALIA VNG; 0953 EG, Time Pips, ticks & tweets, ID by OM as "This is VNG... From Australia." freqs. (Peck 11/6)
- 7550 SOUTH KOREA R. Korea; 1245-1330* EG, Nx, Cmnty & Mx, freq. sked at s/off. // 9870 & 12090. Fair (Zilmer 12/2)

- 7770 CHINA R. Peiking; 1235 CH, OM w/ live action sports report. good (Johnson 11/10)
- 8195 CHINA PIA-Fushou; 1008 CH, Chinese orchestral classical Mx w/ trumpet calls; tlk in CH by YL, apparent mention of freqs. (Peck 11/6)
- 8324 UNID : 1015 CH, Chinese or Vietnamese sounding folk Mx w/ man singing + folk orch, Tlk by YL in CH. Any Ideas?? (Peck 11/6)
- 9022 IRAN VOIRI; 1930 EG, It's the season for best reception of VOIRI's only EG Broadcast, not intended for NAM; but audible 1930 11/10 and improving to almost listenable quality by 2030 conclusion. Not much Mx, but Nx and political commentaries. Claimed its EG broadcast is at 2030-2130 GMT. What do they know?? (Hauser 11/10) (Walsh 11/22)(Ethen 11/17)(Slomka 11/6)(Taylor 11/11); 0000-Farsi (Johnson 11/12); 0900-0925 Farsi (Jordan 11/18)
- 9064 CHINA CPBS; 0830-0855 CH, some type of radio drama w/ two YL's and 1OM plus 1 child playing character roles. YL w/ ID @ 0845. Pair-Poor (Jordan 11/18)
- 9372 ISRAEL Kol Israel; 2240-2310 Hebrew, Reshet Bet, Home svc pgm (Zilmer 12/2); 2040 Hebrew (Peck 12/2)
- 9420 NORTH KOREA R. Pyongyang; *1300 SP, IS, OM anncr w/ ID, IS, YL w/ ID, IS, NA into Sp-tlk (Klein 11/14)(Jordan 11/8); 1715 FR (Ethen 11/17)
- 9425 ISRAEL Kol Israel; 2006-2016 EG, YL w/ Nx & Feature pgm (D'Angelo 11/12)
- 9475 EGYPT R. Cairo; 0230-0245 EG, Nx to NAM. poor (Conover 11/18)(Van Patten 12/1) (Reynolds 11/5)
- 9475 UNID : Strong AR at 0230, a few hundred Hz above Cairo, causing awful het. Cairo in EG at this time to NAM (Hauser 12/1)
- 9490 USSR R. Moscow; 2345-2400 EG, "Roots & Fruits of Jazz" - Modern jazz sounded like VGM's "Music USA" jazz pgm (Fraser 11/4)(Bauernhuber 12/1)(Henesley 11/9)(Hauser 11/6)(Reynolds 11/7)
- 9495 MONACO TMR-Monte Carlo; 0720 EG, IS, ID, rel pgm (Maise 11/24)(Moman 11/9)
- 9505 JAPAN NHK; 1600 EG, Nx read by OM, Weekly Nx Review (Reid 11/25)(Harrington 11/19) ; 1005 EG (Jordan 11/14)
- 9515 TURKEY VoT; 2211-2256* EG, Nx, Mx featuring Punk Rock special (Posporelia 11/27) (Williams 11/14)(Bryan 11/25)
- 9525 POLAND Polish R.; *0300 EG, News (Holland 10/28)
- 9535 SWITZERLAND SRI; 1815 EG, Desteline (Walsh 11/22); 0700 EG (Klein 11/11)
- 9535 CANADA RCI; 0118-0127 FR, YL w/ discussion of feminist movement in Quebec, US Musical Selection. ID (Reynolds 11/7)
- 9540 UZBEKISTAN SSR R. Tashkent; 1215-1220 EG, OM, Cmtry, Mailbox (Newhall 12/1)
- 9560 SWITZERLAND SRI; 0705 EG, Nx, Tlk abt Napoleon. //15305 (Alexander 11/11)
- 9575 ITALY RAI; *0100-0120* EG, usual Nx & Pop Mx. Good Signal. //11800 QRM de R. Moscow. (Fraser 11/9)(Pyatt 11/7)(Alexander 11/7); 0120-FR (Prath 11/23)
- 9580 AUSTRALIA R. Australia-Shepparton; 1140-1230 EG, "Australia Tonight", Cmtry on grass skiing (Fraser 11/2)(Weinhold 11/19)(Davenport 11/4)
- 9585NF CYPRUS CBC; *2215 following OC, tones and IS, Greek, s/on smts etc. All exactly like recording of Cyprus on the "Long Live Shortwave" cassette, by which I was able to make ID. (Walcutt 12/8) 11)
- 9585 JAPAN NHK; *1500-1515 EG, ID, OM w/ Nx & Cmtry (Cucura 11/4); 1306 EG (Conover 11/10)
- 9590 NETHERLAND ANTILLES Radio Nederland-Bonaire; 0230-0320 EG, IS, ID, News (Davenport 11/7)(Abbey 11/12)(Reynolds 11/24)(Bauernhuber 12/4)(Van Patten 11/9)
- 9590 NORWAY R. Norway; 0740 NO, also to ENA *2100 in NO, ex 9550 but xed USSR. NO to Pacific 1955 NF ex 15345 (Padula 11/5); 0700-0735 NO, (Jordan 11/17)
- 9600 CUBA R. Moscow WS - Relay; 1000 EG, Moscow Bells and TC for 1300 Moscow Time, 1000 GMT, followed by world Nx. Persistent hum, indicating, at least to me, Cuban Relay. Also had "hollow satellite" sound quality. Huge sigs. (Conrad 12/1)(Davenport 11/15)
- 9600 UNID-BRAZIL?? : 1955 was randomly sitting on freq when I was surprised to hear Radio Relogio Federal Time Check & ID, w/ Time Tics & the works, for several seconds through BBC & RMS on same freq. Poor while it lasted (Crawford 10/28)
- 9605 JAPAN NHK; AR to ME 1956, NF ex 15135 xed Paris (Padula 11/4)
- 9605 USA WYFR; 2207 EG to Eur. via Longpath (Padula 11/5)
- 9605 VATICAN Vatican R.; 0100 EG, OM w/ Rel Nx (Pyatt 11/7)
- 9610 ALGERIA RTVA; 2100-2130 EG, OM w/ ID as "This is the International Service of Radio Algiers." Pop Mx (Diskman 11/24)(Word 11/3)(Jordan 11/13)
- 9610 AUSTRALIA ABC-Perth; 1515 EG, Pop Mx, "Happiest Girl in the Whole USA." by Donna Fargo, Exc (Radcliff 11/22)(Ethen 11/19)(Cucura 11/26)(Sellers 11/26)(Davenport 11/22) Saunders 11/21)(Earhart 11/16)
- 9615 COSTA RICA R. Noticias del Continente; 0200 SP, ID by OM, tlks w/ background Mx. (Reynolds 11/22)(Klein 11/14)(O'Moore 11/27)
- 9615 GREECE VoG; *2203 GK, to SA, NF ex 9760 xed Vatican (Padula 11/5)
- 9620 USA-UNITED NATIONS UN Radio; 0035 FR, Security Council broadcast, (Hauser 12/3)
- 9620 YUGOSLAVIA R. Belgrade; 2210 EG, NX, ID, into FR at 2215 (Leithner 10/28); 2025 EG, (Prath 11/24)
- 9625 CANADA CBC NS; 1300-1330 EG, "Fresh Air" Variety Interviews, war stories for Remembrance Day (Fraser 11/11); 1610 FR, (Jordan 11/22)

- 9630 SPAIN SFR; 0136-0150 EG, World Nx, Science Report, Fair (Reynolds 11/7)(Cincert 11/77)(Hoffmann 11/22)(Van Patten 11/13)(Bauernhuber 12/1)(Alexander 11/20)(Johnston 11/10)
- 9640 SWAZILAND TWR; 0358 AK, IS, ID, EG ID, into Africans Tlk & Mx (Zilmer 11/30)
- 9645 BRAZIL R. Bandeirantes; 2259 PT, Jingles, Ads, TC's (Yajko 11/18)
- 9645 COSTA RICA Faro Del Caribe-TIFL; 0345 EG, religious tlk & mx, freq's annod at 0358 w/ National Anthem & s/off @ 0400* //5055 (Zilmer 11/25)
- 9645 FINLAND R. Finland; 0345 EG, R. Finland's latest try for the 0330-0400 EG to NAM is this, noted w/ poor reception 11/7; never any match for 1430 on 21475, or even 1300 on 15400 (Hauser 11/7)(Brouillette 11/21)(Jordan 11/19)
- 9645 VATICAN Vatican R.; 2030 EG, s/on w/ complete EG sked w/ freqs (Moman 11/14)
- 9650 GREECE VoG; 0215-0225 EG, local & world Nx, Cmnty on American hostages in Iran. (Hoffmann 11/22); 0200 GK/EG (Johnson 11/24); 0345 GK (Brouillette 11/26) (D'Angelo 11/14)
- 9655 GREECE VoG; *2000 Balcan svc, NF ex 9675 (Padula 11/4)
- 9670 AUSTRALIA R. Australia-Lyndhurst; 0940-1000 EG, Countdown pgm featuring YL DX host interviewing an Australian YL pop singer (Jordan 11/14); 0700 EG (Alexander 11/23)
- 9670 PORTUGAL IBRA; 2049 EG, ID, rel tlk & Mx (Cucura 11/1)
- 9675 BRAZIL R. Radio Marumbi Limitada & Radio Marumbi; 0910 tune in w/ open carrier until *0918 s/on anncts & pgm of Christmas instrumental Mx such as Silent Night & Joy To The World. It refers to itself as a "Voz Evangelica". Other ID's heard at 0926, 0946, and 0952 (latter included drums like old ETLF!); at 0953 went into a pgm of musica evangelica; faded out by 1010. This is the former Radio Diario da Manha, per Glenn Hauser's DX Digest report of 11/5; Glenn also listened to a tape, helping me unscramble the ID (Walcutt 11/19)
- 9675 POLAND Polish R.; 0630 EG, Nx & Cmnty (George 11/23)
- 9680 AUSTRALIA ABC Lyndhurst-VLR9; 0750 EG, OM w/ opera Mx, schedules, ID, time pips @ 0800, OM w/ ABC Nx. Good signal (Johnson 11/24)
- 9680 USSR R. Moscow; *2300-0000 EG, Nx, Moscow Viewpoint, DXPgm (Fraser 11/17)
- 9695 CAMBODIA Voice of the Kampuchean People; 1220-1300 EG, ponderous orch Mx by "The Kampuchean Orchestra" w/ selections identified by YL @ 1300 time pips, YL/OM w/ Cmnty, ID's. Fair //11938 (Jordan 11/8)(Moore 11/24)
- 9695 SWEDEN R. Sweden; *2300-2325 EG, Nx, Panorama - a feature on Nuclear Energy & weapons. This is good, but //11705 has QRM from RCI (Brouillette 11/14); 0246 EG (Abbey 11/11)
- 9705 UNID-African? : 1241-1305 lang??, chanting, tlks by OM in deep voice. Severe QRM de AFRTS (Valko 11/26)
- 9710 GABON Africa #1; 0545 tone, 0555 IS, many ID's w/ FR s/on at 0602, EG at 0609, ID's (Harrington 11/13)
- 9710 ITALY RAI; 0403-0411* EG, Nx By YL, ID, 0408 Mx to s/off w/ chirping birds at 0411* directed to Aus/NZ as per WRTH (Brouillette 11/29)
- 9715 ECUADOR HCJB; 1140-1142 EG, During Japanese pgm, Clayton Howard & Roger Stubbe have a short pgm called "Hello DX'ers". Today R. Baghdad(IS) & Address (Zilmer 11/29)
- 9715 NETHERLAND ANTILLES Radio Nederland-Bonaire; 0537 EG, talk about Iran situation & UN actions. //6165-good, very good (Sellers 11/27)
- 9715 USA WYFR; 0317-0330 EG, "Open Forum" w/ rel counselor taking phone calls. For Americas (Brouillette 11/10)
- 9720 SOUTH KOREA R. Korea; 1601 EG, "Nx Highlights of the Past Week." (Cincert 12/2) (Harrington 11/19)(Reynolds 12/3)(Cucura 11/26)
- 9720 SRI LANKA SLBC; 1256 EG, OM w/ religious pgm. ID as "You are tuned to the overseas service of Sri Lanka." YL w/ Nx (Johnson 11/10)(Klein 11/14)(Jordan 11/8); 1655 EG (Johnson 11/10) ste 11/10
- 9725 SWITZERLAND SBC; 0150 EG, Dateline, World Nx (Reynolds 11/7); 0310 GM/FR (Brouillette 11/7)
- 9730 GERMANY (EAST) RBI; 0100 EG, Nx by YL (Pyatt 11/7)(Davenport 11/6)
- 9735 GERMANY (WEST) DW; 0325 GM, tlk & Nx (Bauernhuber 12/4)
- 9745 ECUADOR HCJB; 0236-0259 EG, "DX PartyLine" (Davenport 11/6)(Earhart 11/8)(Minor 11/1) ; 0400 EG (Bauernhuber 12/2)
- 9745 IRAQ R. Baghdad; 2130-2230* EG, ID as "This is Radio Baghdad, the Broadcasting Service of Iraq", Mx, Nx & Political Cmnty (Semsky 12/2)(Cincert 12/2)(Bryan 11/25) (D'Angelo 11/15)(Williams 11/14)(Earhart 11/8)(Peck 11/25); 2004 EG (Moman 10/31)
- 9750 ALBANIA R. Tirana; 0230 EG, Nx & ID (Bauernhuber 12/2)
- 9750 CHILE R. Minería; 2346-0000 SP, "Radio teatro historico" presented by COPEC. Ads for vino Santa Carolina and others (Rankin 11/9)
- 9750 GREAT BRITAIN BBC; 1115 EG, World Radio Club (Monday Only) at this time. //9760-poor, Fair (Zilmer 11/26)
- 9760 ECUADOR HCJB; 0610 GM to Europe, NF ex 15235 (Padula 11/4)
- 9765 BULGARIA R. Sofia; 0430 EG, ID, Cmnty on Vienna talks, review of UN activities of the week, program among the people (Semsky 11/27)(Abbey 11/12)
- 9770 AUSTRIA ORF; *0130-0155* EG, Nx & Report from Austria, Folk Mx (Cucura 11/16)(Davenport 11/20); 0330 EG (Bauernhuber 12/4)

- 9780 YEMEN ARAB REPUBLIC R. Sana; #0256-0320 AR, IS w/ chirping bird, NA by Martial Band, OM w/ station ID @ 0302 another man w/ prayer like chants. Good (Jordan 11/1) (Bauernhuber 12/4) (Moman 11/8) (Rankin 11/10); 1900 AR (Peck 12/2) (Bryan 11/4)
- 9805 EGYPT R. Cairo; #2215-2345* EG, Nx, Egypt & West Mx, "Listeners Club", discussion of Sinai religious complex (Fraser 11/23); 2010 GM (Prath 11/24)
- 9815 ISRAEL Kol Israel; 0204 EG, discussion & song about diamond ring (Abbey 11/12); 2230 EG (Weinhold 11/27)
- 9820 CHINA R. Peking; #1200-1255* EG, Nx, Cmtry, "Culture in China" - The Peking Opera (Fraser 11/1) (Williams 12/1) (Jordan 11/24)
- 9835 HUNGARY R. Budapest; 0325 EG, since at least 11/17, R. Budapest on this freq (but seemingly not on its other freqs) has been unlistenable due to a strong continuous 'whoosh' across the freq. Careful tuning indicates this sound is probably coming out of the R. Budapest transmitter, perhaps at a different site than others, rather than a jamming attempt from elsewhere, so I suspect it's a faulty studio-xmtr link (like mistuned FM rcvr)--but if so, when will they notice it? (Hauser 11/17); 0145 HG (Byron 11/25); 0202 EG (Minor 11/2) (Earhart 11/8); 0300 EG (Reynolds 11/24) (Davenport 11/4)
- 9870 SOUTH KOREA R. Korea; 1245-1330* EG, Mx, Nx, freq sked at s/off (Zilmer 12/2)
- 9912T INDIA AIR; 2130 Lang?, Hinu film Mx, YL singing, demolished at 2134 by het from BBC on 9915 (Peck 11/25)
- 9950 INDIA AIR; 1534 EG, OM w/ Nx to 1545, YL w/ ID. OM tlks. Fair (Johnson 11/10)
- 9977 NORTH KOREA R. Pyongyang; 1100-1145 EG, ID, Nx, Cmtry, usual anti-everyone rhetoric, Mx. Exc (Williams 11/22) (Ethen 11/19) (Sellers 11/23) (Van Patten 11/23) (Klein 11/12) (Minor 11/9) (Newhall 12/1) (Earhart 11/7); 2315-0048* EG (D'Angelo 12/3) (Conover 11/22) (Alexander 11/16) (Jordan 11/12) (Reid 11/23)
- 10010 VIETNAM Vo; 2250-2259* CH, songs w/ anncts. flutter & QRM (Buer 11/7)
- 10040 VIETNAM Vo; 1321 FR, Tlk by YL, ID @ 1327 (Marker 11/22); 1630 RS (Cucura 11/26)
- 10338 USSR R.M.-Mayak; 1525 RS, EZ RS vocal Mx, OM DJ, IS @ 1529, time pips. ID @ 1530, Nx, SSB Feeder. Good Signal (Johnson 11/10)
- 11375 CHINA R. Peking; 0540-0555* SP, YL w/ Tlks then Organ & Stringed instrumental Mx w/ Oriental flavor. OM w/ IDs & Freqs @ 0553, chorus w/ NA then YL w/ closing anncts. Fair (Jordan 11/25)
- 11445 CHINA R. Peking; 0045 SP, Comment & other talk by YL (Prath 11/22); 1110-1125* CH, (Jordan 11/13)
- 11575 CHINA R. Peking; 2215-2225 FR, to Europe, CH lesson followed by Mx, ute QRM 11571, (Buer 11/6)
- 11577 UNID : 2220 Lang?, Uzbek sounding folk Mx w/ folk orchestra & woman singing, tlc by YL, Lang sounded like a mixture of FR & RS. Carrier off at 2227 (Peck 11/25)
- 11610 ISRAEL Kol Israel; 2215-2310 HB, Reshet Bet (Home Service) Pgm (Zilmer 12/2) (Greenwood 11/28) (Padula 11/5) (Peck 11/25) 27)
- 11614V ALGERIA RTVA; 2102 EG, Nx & Cmtry, //9610 & 11810 (Zilmer 11/24); 2315 FR (Peck 11/24)
- 11620 INDIA AIR; #1745-2230* EG, S/on w/ ID & Sked, Nx, Cmtry & Local Mx. A dependable Freq w/ f-g signals (Johnson 11/10) (Taylor 10/11) (Moman 11/23) (Ethen 11/24); 1200 EG (Zilmer 11/24) (Jordan 11/25); 2157 EG (D'Angelo 12/1) (Sellers 11/14)
- 11637 ISRAEL Kol Israel; 0226* EG, ID's, "Israel Folksound" (Ethen 11/12) (Klein 11/12); 2230 EG (Zilmer 12/2)
- 11638 ISRAEL Kol Israel; 2230-2300 EG, ID, Nx - "Studio Three" //11655, 9815, 7412.5 (Williams 11/22); 0400 multi-lang, (Jordan 11/19); 2158 FR (Peck 11/25)
- 11646.5 ALGERIA RTVA; EG at 2100 on this freq which keeps jumping back to 11614.5 or 11630 and on severely hetted 9610. Newscasts have western-sounding stingers every few minutes (Hauser 12/1) (Zilmer 12/2) (Greenwood 11/16)
- 11655 ISRAEL Kol Israel; 0500 EG, talk of Oil Price Fixing by Egypt for Israel to pay for receiving oil from Egypt. Wx report (Byron 11/26) (Holland 10/28); 2245 EG (Maise 12/1) (Van Patten 11/4)
- 11665 KUWAIT R. Kuwait; 1845 EG, Nx, ID, Wx, British/AM Pops (Ethen 11/24) (Greenwood 11/1)
- 11675 PAKISTAN R. Pakistan; 1700 EG, Nx & Wx //15470 (Zilmer 11/24)
- 11695 CHINA R. Peking; 0100 EG, World Nx, Cmtry, IDs, Very weak, QRM (Cincert 11/20)

And that's it for the low bands. Thanks to all who reported this month and for those who didn't, I don't want any excuses next month. Most of you will have had extra time to pursue DX during your Christmas/New Year's vacation.

I am now on my mid-semester break and won't return to school until Jan 21'st. I had planned to do quite a bit of DX'ing as well as some CW on the ham bands, but, instead I will be doing some painting and wallpapering for a friend of mine who is an interior decorator. That's life!

I'm not quite sure what happened at WARC'79 as far as Short Wave Broadcast allocations, but I do know that Amateur Radio Ops (such as myself - WB1GEX) will acquire 3 new bands: 10, 18 & 24 MHz. I'm not sure how wide the segments in these bands will be, but I do believe that the 10 MHz band will only be about 50 KHz wide. These new bands won't become activated until other services re-allocate. This will take a few years. Running out of room I'll just say, Happy New Year and Best DX to all. 73's P.S.--Don't forget to start planning for ANARC

log report section

11700 TO 17699

TERRY COLGAN



- 11705 SWEDEN RS: *0230 EG, nx, tlk abt vacation spots (Cinert, Slomka);
0305 SP to LA (Padula)
- 11705 MONTSEERRAT DW: 0526 EG, IS, ID, nx, //9545,5960,6100,6185 (Sellers)
- 11705 AUSTRALIA RA: 1428 EG, ID, freqs, TC, pop mx (Sellers)
- 11710 CANADA RCI: 0010-0030, 2330-0008 EG, As It Happens (Davenport, Fraser)
- 11710 NETHERLANDS ANTILLES TWR: 0358 RS, rel mx (Holland)
- 11715 BELGIUM BRT: 0015 EG, This Week in Belgium, interviews (Byron, Reid)
- 11715 SWITZERLAND SRI: 0143-0209 EG, IS, ID, TC, nx, cmntry (Hensley, others)
- 11715 PHILIPPINES VOA: 1339-1352 EG, old pop mx (Earhart)
- 11730 GREECE VOG: *0015-0030*, *1215-1230* EG, lcl and world nx, GK mx;
0115, 0320, 0634 GK, lcl mx (D'Angelo and others) Conover)
- 11730 MADAGASCAR RN: *2029-2120* EG, IS, ID, nx, Happy Station (D'Angelo,
- 11735 BULGARIA R. Sofia: 2150 EG, talk on Soviet aid to Af (Clark)
- 11740 CYPRUS BBC: 0355 AR, chants, IS @ 0400, under WYFR (Wilson)
- 11740nf USA WYFR: 0435 SP, ex 11720 (Padula)
- 11745 TAIWAN VOPC: 1350-1400 Amoy, YL tlk, oriental and orch mx,, into JP @
1400-1415, OM anmts, YL tlk, oriental mx (Jordan) Word)
- 11755 FINLAND FIR: *0330-0359* EG, Northern Report, Spotlight (Ethen, Hesch,
- 11760 CUBA R. Habana: 0045 SP, nx (Bauernhuber); 0524 EG, essay contest
anmt (Sellers)
- 11765 PHILIPPINES FEBC: 0820 EG, rel tlk, mx, IS, nx, sports (Minor)
- 11765 BRAZIL R. Tupi: 0039 PT, sports cmntry under DW (Yajko) ID?-tc
- 11780 BRAZIL R. Nac.: 0930 PT, Brazilian mx, OM chatter (Greenwood); 2235
PT, 2 OM tlk, ID, lcl mx, soccer match w/ echo effect (D.W. Johnson)
- 11785 USSR R. Tashkent: *1400 EG, to SEA (Wilson) details?-tc
- 11789 INDONESIA VOI: 1400-1450 EG, As/world nx, cmntry, ID, As mx (Cucura)
- 11793 COLUMBIA R. Nac.: 1248-1255 SP, OM w/ IDs, mx (Earhart)
- 11800 ITALY RAI: 0100 EG, ID, freqs, nx, travelog, lt mx (Cinert)
- UNID: 1145-1240 lang, ID (one word is "ImPoi" or "VimPoi"), wood)
drum mx, PE or subcont mx, hrd several days p to f since 11/10 (Green-
- 11810 USA WYFR: 0500* SP, last xmsn from Scituate 11/17, taped final ID
and discovered they gave the wrong freq--11710 (Hauser)
- 11810 S. KOREA RK: 0750-0800 EG, YL tlk, cmntry on NATO (Jordan)
- 11810 INDIA AIR: 1353 EG, mx, Quiz Time (Wilson)
- 11810 ALGERIA R. Algiers: *2100-2113 EG, ID, nx, cmntry, // 11630, 9610
(Cinert, Padula, Zilmer)
- 11815 POLAND Polish R.: 0200-0230, 0300-0330 EG, nx, IDs, cmntry, Polish
mx (Holland, others)
- 11815 JAPAN RJ: *1700-1715 EG, ID, nx, f sig (Williams)
- 11815 INDIA AIR: 2320 EG, OM w/ lcl mx, tlks (D.W. Johnson)
- 11830 CANADA RCI: *0100 EG, nx, tlk on oil, DX Digest (Maise)
- 11830 S. KOREA RK: 0400 EG, nx, ID, tlk on economy (Ethen, Zilmer)
- 11835 HAITI 4VEH: 1120, 2311 EG, rel pgms (Maise, Moman, Sellers)
- 11835 LIBERIA ELWA: 2057-2115* AR, OM tlk w/ Bach string quartet (Clark)
- 11840 SPAIN SFR: 2105 EG, nx, tlks, mx (Prath) Wilson)
- 11845 VATICAN VR: *0000, 0100-0115 EG, IS, ID, nx, rel mx (Conover, Ethen,
- 11850nf NORWAY RN: *2100 NO, to NA/CA, ex 11870, g sig (Padula)
- 11854 SAUDI ARABIA BSKSA: 1930 EG, end nx w/ ID; later found nx starts
at 1915; welcome moderate voice (Hauser)
- 11860 SEYCHELLES FEBA: 1615-1630* EG, rel mx, mail address (D.W. Johnson)
- 11860 USSR RM: WS 2052-2105 EG, nx, cmntry, to Eur/Af (D'Angelo)
- 11865 W. GERMANY DW: *0130-0150* EG, ID, nx, cmntry on schools (Dishman)
- 11880 SPAIN SFR: 0005-0159 EG, nx, tlks, mx (Johns, others)
- 11890 CHILE VOC: *0230-0302 EG/SP, cmntry, mx, SP @ 0300 (D'Angelo)
- 11895 AUSTRALIA RA: *2230 VT, IS, ID in EG, f sig (Fraser)
- 11905 SWEDEN RS: 0030 EG, nx, tlk on terminally ill patients (Bauernhuber)
- 11905 CANADA RCI: 1900-1927, 2000-2027 EG, ID, nx, tlks, DX Digest (Conover)
- 11910 ECUADOR HCJB: 0050-0100, 0140, 0232, 0400 EG, nx, rel pgms, DXPL
(Abbey, others)
- 11915 BRAZIL R. Gaucha: 0030 PT, live soccer match w/ Argentina, g sig
(D.W. Johnson) ID?-tc

- 11915 GABON Africa #1: 2050 EG/FR/PT, disco, pop and Af mx, many IDs (Lattemann)
- 11925 BRAZIL R. Bandeirantes: 0042 PT, pop vocals, ID @ 0045, knocked out by TWR IS @ 0050 and VOFC IS, f to g sig (D.W. Johnson)
- 11925 NETHERLANDS ANTILLES TWR: 0130 EG, world nx (Maise)
- 11925 PORTUGAL RP: 0513 EG, ID, world nx, sports (Hensley)
- 11925 USSR RSPP: 1535-1546 EG, cmntry on spies in Peace Corps, ID (Cinert)
- 11930 CUBA R. Habana: 0130-0143 EG, Land of Music (Davenport)
- 11935 SOUTH AFRICA Springbok R.: 1725 EG/AK, R. RSA ID @ 1730 (Wilson) ?-t
- 11935nf NORWAY RN: 1943 NO, to Af, ex 11860 (Padula)
- 11940 GABON Africa #1: 1909-2130* EG/FR/SP/GM/SH/PT, disco, pop, Af mx, frequent IDs, abrupt s/off (Kruger, others)
- 11940 RUMANIA R. Bucharest: 1945-2029 EG, mx, nx, ID, lbx (Johns)
- 11940 CANADA RCI: 2130 EG, nx, Accent (Johns)
- 11945 NEW ZEALAND RNZ: 0715, 1045-1119 EG, operatic mx, IS, IDs, tlks, nx, wx, sports (Conover, Cress)
- 11950nf JAPAN RJ: *1945 AR, to ME, ex 11815 (Padula)
- 11955 TURKEY VOT: 2130-2300 EG, ID, pop and lcl mx, nx, stamp pgm (Conover, Johns, Saunders)
- 11955nf SWEDEN RS: 2145 SW, to Af/Eur, ex 15240 (Padula)
- 11960 ISRAEL KI: 2000 EG, nx, TGIF pgm (Zilmer)
- 11965 RWANDA DW: *1715-1745* EG, Window on the World (Watts)
- 11975 E. GERMANY RBI: 0100-0145 EG, ID, nx, cmntry (Williams)
- 11985 ISRAEL KI: 2231 EG, nx, Calling-All Listeners (Abbey)
- 11990 CZECHOSLOVAKIA R. Prague: 0100, 0300-0400 EG, nx, ID, cmntry on racism in US, arms reduction, mx, lbx (Van Patten, others)
- 11995 TURKEY VOT: 2250-2300* EG, traditional TK mx (Levesque)
- 12000 AUSTRALIA VNG: 0735-0745 EG, electronic time pips, OM IDs (Jordan)
- 12010 USSR RM: WS 0645 EG, coverage of 62nd anniversary of the Great October Socialist Revolution parade 11/7 only; a real sense of being there and a rare live event from RM; good reception on this freq, but no sign of it a few nights later, so it may have been a special for NA; look for more of same on May Day and next 11/7 (Hauser)
- 12015 AUSTRIA ORF: 2330 GM, band mx, IS, ID, brief nx (Bryan)
- 12020 USSR All Union R.: 0545-0645 RS, RS folk mx, IS, ID, one min pause, OM & YL tk pgm, mx (Jordan)
- 12040 ENGLAND (?) BBC: WS 1115-1130* EG, Letter from London, unlisted freq may be a relay (Zilmer)
- 12040 USSR R. Rodina: *2330-2350 RS, IDs by OM & YL, lt class mx, cmntry (Jordan) (Davenport, Semesky)
- 12050 EGYPT R. Cairo: 0200-0300 EG, ID, mx, nx, Listener's Mail, RM QRM
- 12050 USSR RM: 0755-0810 EG, Kaleidoscope, tk on RS folk mx (Jordan)
- 12070 MONGOLIA RUB: 1218-1247* EG, IS, ID, world nx, cmntry (Cucura); 1250-1330 lang, orch mx, TC, ID by YL, nx, p sig (Jordan) (Jordan)
- 12070 USSR R. Atlantika: *1255-1325 RS, piano mx, ID by OM & YL @ 1300, nx
- 12070 USSR RM: *0300-0323 SP, ID, nx by OM (Jordan)
- 12090 S. KOREA RK: 1150-1300 EG, cmntry on medical students, YL w/ ID, nx (Jordan); *1243-1330* EG, state funeral for President Park (Watts); 1335-1345 SP, ID by OM, mx, cmntry, nx (Jordan)
- 15000 HAWAII WWVH: 0334-0339 EG, YL w/ TC, under WWV (D'Angelo)
- 15000 CHINA BPV: 0615-0701, time pips; higher tone than, and a fraction behind WWV/WWVH/JJY; CW ID @ 0630/0700 (Clark)
- 15010at VIETNAM VOV: 1450-1520 f/out lang, YL tk (D'Angelo)
- 15045 GRENADE RFG: 2115-0000 EG, ads, IDs, pop mx, BBC nx, rel pgms, Radio Doctor, psa's, death notices (Taylor, others)
- 15060 SAUDI ARABIA BSKSA: 2040 AR, ID, tlks, AR mx (Ethen)
- 15070 ENGLAND BBC: WS 2315-2330 EG, rept on Pope's visit to US (Reynolds)
- 15075 AFGHANISTAN RA: *1900 EG, ID x 4, TC, nx, US mx (Clark, Ethen, Moman)
- 15084 IRAN VOIRI: 0402-0430, 1956 FS, lcl mx, nx (Holland, Jordan)
- 15100 USSR R. Vilnius: 2300-2330 EG, anmts, nx, cmntry (Williams)
- 15105 ISRAEL KI: 0500-0515 EG, nx, cmntry, wx, into FR @ 0515 (Johns); 1757 RS, IS, ID, nx, mixing with BBC (Wilson) (D'Angelo, Zilmer)
- 15105 GRENADE RFG: 2030, 2103-2116* EG, pop mx, Action Line, IDs, ads
- 15110 INDIA AIR: 2200-2230 EG, ID, nx, cmntry on PLO, jammed on 12/2 (Williams)
- 15115 ECUADOR HCJB: 0225 EG, rel pgms (Bauernhuber)
- 15115 CHINA RP: 0230 EG, hrd for 22 sec when HCJB audio off (Prath)
- 15120 NIGERIA VON: 0625-0654 EG, question & answer pgm, Af mx, cmntry on lcl nx (Diekman, Jordan, Minor); 2045 EG, lcl mx, freqs, cmntry on racism (Zilmer)

- 15125 SWITZERLAND SRI: 1815 EG, world nx, Dateline (Conrad)
 15130 JAPAN RJ: *0700-0720 EG, ID, mx, world/As nx (Jordan)
 15130 USSR RM: WS 1400 EG, nx, g sig (Pyatt) 15135?-tc man, others)
 15140 CHILE VOC: 0130-0200, 0233-0250 EG, pol cmntrys, lcl mx, IDs (Hoff-
 15140 USSR RM: WS 1235, 2230-2259 EG, nx in brief, RS mx (Earhart, Van Patten)
 15145 USA WYFR: 0035-0105 EG/SP, EZ, bible study promo, ID, into SP @ 0101 (Fraser)
 15150 CHILE VOC: 2201-2210 EG, ID, nx, lcl mx (Saunders)
 15155 MOROCCO RTM: 0045-0100* AR, AR mx, abrupt s/off (Wilson) ID?-tc
 15155nf SOUTH AFRICA R. RSA: *0200-0250* EG, ex 9610 to NA (Padula); 2100-2130 EG, IS, ID, nx, tlk on tour groups (Johns, Saunders)
 15155 FRANCE RFI: 2012 FR, tlk on Zimbabwe-Rhodesia (Holland)
 15160 MEXICO XEWW: 0103 SP, pgm on works of Humperdink (Wilson): 0239-0248 SP, 11/4, hrd IDs as "R. Vente Mexicali", "LaVoz de Television en Mexico" and "R. Cultural" (Poppin)
 15160 SEYCHELLES FEBA: *1700-1710 lang, IS, ID (Kruger)
 15165 DENMARK RD: *1900 EG ID, into DN pgms (Moman)
 15170 SOCIETY ISLANDS R. Tahiti: 0300-0530 FR/TT, island mx, tlks (Byron, Diekman, Greenwood)
 15175 USSR RM: WS 0600 EG, ID TC, nx, cmntrys (Davenport) Danko)
 15175 NORWAY RN: 2200-2229 EG, Norway This Week, pgm on N. Norway (Conover, Conover)
 15180 USSR RM: 0430 EG, DX program (Maise)
 15185 USA WINB: 2100 EG, ID, freqs, rel pgms (Reynolds)
 15200 GABON Africa #: 0705-0715 VN, tlk, Af mx (Jordan); 1900 FR, Af mx, EG IDs, wiped out by VOA @ 1925 (Diekman)
 15205 GABON Africa #: 1930-2130 EG/PT/FR, US disco, LA mx, Af instrumentals, requests for reports (Clark, others)
 15220 SOUTH AFRICA R. RSA: *0200-0250* EG, world nx, Touring South Africa, South Africa Panorama (Newhall, others)
 15232t ALGERIA RTA: 0630-0700 AR/FR, 11/15, AR mx, chants, YL w/ anmts, no ID hrd (Jordan)
 15235 INDIA AIR: 0035 EG, ID, lcl mx, better than // 11920, g sig until Japan IS @ 0055 (D.W. Johnson)
 15235 JAPAN RJ: 0135-0155 EG world nx, Current Affairs, mx (Newhall)
 15240 USSR R. Kiev: 0030-0100 EG, ID, nx, Panorama, DX Club (Cinert, Diekman)
 15240 E. GERMANY RBI: 1415 EG, nx, cmntry (Zilmer)
 15250nf USA WINB: 1720-1731 EG, to Eur, rel pgm, ID, freq anmt (Buer)
 15260 CANADA RCI: *1800-1827 EG, nx, tlks, DX Digest (Abbey, Conover)
 15260 ASCENSION ISLAND BBC: WS 2200-2330 EG, world nx, Science in Action (D'Angelo, Maise)
 15265 GABON Africa #: *1930 EG, Af instrumentals, US pops, IDs between records, req for repts (Conrad, D.W. Johnson); 2052-2130* lang, IDs in 8 languages, mixed mx (Wilson)
 15270 ENGLAND (?) BBC: WS 1125 EG, Ulster Newsletter, unlisted freq (Zilmer)
 15270 TAIWAN VOF: *2140-2240 EG, nx, lcl mx, many IDs (Zilmer); test freq (Minor); *0300-0345* EG, nx, CH mx pgm (Clark)
 15270 JAPAN RJ: *0700-0715 EG, world/As nx, cmntrys (Jordan)
 15285 CHINA RP: 0230-0245 SP, FE mx, tlk, IS @ 0245 (Jordan)
 15285 E. GERMANY RBI: 1404-1416 EG, Af mx, nx, IS (Valko)
 15285 BANGLADESH RB: 1748-1800 EG, ID @ 1748, nx at 1800, CCI (Moman)
 15285 BELGIUM BRT: 1934 DT, ex 21474, replaces FR serv now on 15210 (Padula)
 15290 BRAZIL R. Nac.: *0300-0400* EG, Brazil and Things Brazilian, Visual Arts, Economic News (Hesch, others)
 15295 MALAYSIA RTM: 0750-0845 EG, pop mx, world nx, TC (Cress)
 15295nf ECUADOR HCJB: 1950 EG, to Eur, ex 15435 (Padula)
 15305 SWITZERLAND SRI: 0145-0215* EG, Swiss Talkback, Daytime Thursday (Ethen, Hoffmann, Williams)
 15330nf ITALY RAI: 0845 IT, to Australia, ex 15340 (Padula)
 15325 UGANDA RU: 0309-0410* EG, usual pgms (Gavaras, others)
 15325nf JAPAN RJ: 0909 JP, to SA, ex 15270, e sig (Padula)
 15325 SEYCHELLES FEBA: 1527-1630 EG, lt mx, heavy QRM (Watts)
 15335 INDIA AIR: 1345-1410 EG, native mx, nx, svc to As (Jordan, Wilson)
 15345 NEW ZEALAND RNZ: 0400, 0500-0530 EG, nx, cmntry, lt mx (Johns, Slomka)
 15345nf USA AFRTS: 1930 EG, surprise nf 12/2, // 15330; may have replaced 11790 (Hauser)
 15345 TAIWAN VOF: 0115 EG, nx; 2318-2350* CH (Wilson)
 15350 LUXEMBOURG RL: 2215 FR, pop mx, IDs (Radcliff) cf. Nov SPEEDX and Nov LR-D -tc
 15360 FRANCE RFI: 1705-1718 FR, PCA (Reynolds)

15365 CANARY ISLANDS SFR: 2055 SP, SP mx, ID (Holland)
 15385 BULGARIA R. Sofia: *2005 lang, IS, ID, YL nx (Ethen)
 15385 S. KOREA RK: 2300 EG, nx, // 15570 (Wilson, Zilmer)
 15390 E. GERMANY RBI: *2000 EG, IS, ID, nx, Af mx (Ethen)
 15400a USSR RSPP: 0215-0235 CH, cont t/k, IS, ID @ 0230 (Jordan)
 15400 ASCENSION ISLAND BBC: WS 0618 EG, British Press Review (Davenport)
 15400 FINLAND FIR: *1300-1330*, 1330-1400 (Sun only), *1400-1430* EG,
 Sunday Best, Finland in Focus, Stories of Our Times, other pgms
 (Reid, others); despite a report that this freq was to be off the air
 for a week, it was still on 11/6 at 1310; however, on 11/16 check I
 didn't hear it (Hauser)
 15400 VENEZUELA R. Nac.: 2110-2145 SP, tlks, Colonel Bogey March, LA mx,
 IDs (Jordan)
 15405 SEYCHELLES FEBA: *0200 EG, IS, anmt, into lang (Cinert)
 15425 SRI LANKA SLBC: 0120-0205 EG, Thursday Morning Show, EZ, pop mx,
 Sunday Meditations, BBC nx @ 0200 (Alexander, Fraser)
 15425 AUSTRALIA ABC-Perth: 0640-0655 EG, cricket match (Cucura)
 15430 MEXICO R. Mexico: 0035-0045* SP, lbx w/ mx, ID (Buer)
 15430 USA AFRTS: 1630-1645 EG, world nx, cmntry, wx (Reynolds)
 15440 USA WYFR: *1757-1809 EG, IS, ID, rel pgms (D'Angelo)
 15450 PHILIPPINES FEBC: 2330 EG, world/As nx, cmntry (Maise, Wilson)
 15455 USSR RM: 0343 EG, DX program, nx in brief, mx (Abbey); 1515-1545
 RS, Mayak pgm (Jordan)
 15460 USSR RSPP: 1330 EG, ID, nx, mx, t/k on China (Minor)
 15470 PAKISTAN RP: 1700 EG, nx (Moman)
 15475 EGYPT RC: 1519, 1620 AR, AR mx (Prath, Wilson) ID?-tc
 15490 USSR RM: WS 1200-1230, 1532-1600 EG, to ME, nx, cmntry on Summer
 Olympics (D'Angelo, Williams)
 15520 CHINA RP: *0000-0155* EG, world nx, cmntrys, Chinese industry t/k,
 (Cinert, Conover, Jordan)
 15220 USSR RM: WS 1100, 1345 EG, nx, mx (Zilmer, Van Patten) Williams
 15570 S. KOREA RK: 2300-2330 EG, nx, KBS Magazine, cmntry (Bryan, Reid,
 15600 CHINA RP: 0207-0230 EG, world nx, Across the Land, cmntry, IDs
 (Cinert, Prath)
 17560 ISRAEL KI: 1200 EG, nx, wx, This Week (Zilmer)
 17605 NETHERLANDS RN: 0240-0320, 1850-1910, 2041-2120 EG, nx, mx, DX
 Jukebox, Afrosce, Happy Station (Weinhold, others)
 17615 ISRAEL KI: 1200-1230 EG, nx, wx, TGIF pgm (Zilmer)
 17630 ISRAEL KI: 0643-0655 HB, HS w/ songs, tlks (Barhart); 1510 HB, tlks
 by 2 OM (Prath)
 17640 PAKISTAN RP: 1640-1703 lang, EG nx 1650-1656 (Kruger, Zilmer)
 17645 ISRAEL KI: 2000-2030 EG, ID, nx, Israel Pop Sound, TGIF pgm (Hoffma
 Semesky)
 17662v PAKISTAN RP: 1739-1745 EG, nx, ID, IS (Zilmer)
 17670 EGYPT RC: 1545 AR, mx (Prath) ID?-tc
 17680 CHINA RP: *0000-0240 EG, IS, ID, nx, cmntrys, Across the Land, inte
 views (Reynolds, others)
 17690 EGYPT RC: 1600 AR, nx by YL (Prath) ID?-tc
 17695 ENGLAND BBC: WS 1500-1515 EG, This Week in Africa (Reynolds)
 17695 NETHERLANDS RN: *0700 EG, nx, Sunday West (Clark)
 17695 NETHERLANDS ANTILLES RN: 2030-2100 EG, ID, nx, DX Jukebox (Williams
 2230 PT, world nx, class mx (Van Patten)

++++++

That's all of the first LR-D for the decade of the '80's. Thanks to all
 who contributed this month, and my very best wishes for a prosperous
 New Year.

73.

Terry

log report section

17700 & ABOVE



BRETT SAYLOR

Happy New Year and welcome to 1980! Here's wishing all of you and FRENCH the best in the DX season and the decade to come. To start this month, here's an interesting report from South America:

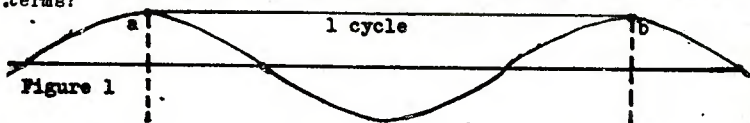
- 26000 ECUADOR HCJB; It was announced on DX Party Line that this freq was being tested using a 100 watt transmitter with antenna pointed towards North America; heard as early as 1230 in EG, // 17890, 15115, and as late as 2335, in Japanese. Remarkably good considering the power. QRM from VOA noted from 2200. Hrd from 11/21. They are requesting reports from this transmission. (Heuser; Zilmer 11/24, Conrad 11/28). A good way to reduce your SAM QRP by a few hundred watts. bs
- 17710 HUNGARY R Budapest; 0315-0330 EG, political tlk, 60's mx (Jordan)
17705 INDIA AIR; 0835 EG, nx - regional news feed to north&west (Padula)
17705nf GUAM KTWR; 2330-0000 CH, 0030-0100* IN, (details??) (Padula)
17710 GREECE Voice of Greece; 1215 EG, nx, local mx, // 11730 (Zilmer)
17725nf KUWAIT R Kuwait; *0400 AR, dominant over R Australia (Padula)
17735 WEST GERMANY R Free Europe; 1630 RM, nx by W, mnt US, jammed (Prath)
17755 PAKISTAN R Pakistan; 1500-1615 EG, nx (Reynolds)
17765t MEXICO R Mexico; 0140-0204 SP, vocal mx, no definite ID, VOA s/on at 0200 (Earhart)
17790 PHILIPPINES R Veritas Asia; 0030-0100 EG, 0100-0130 JP, nx, ID's, freq's, religious pgms (Alexander, Greenwood, Watts)
17790 CHILE Voice of Chile; 2200 EG, local nx, econ rpt, ID (Van Patten)
17795 AUSTRALIA R Aust; 0100-0415 EG, world and local nx, "International Report" (5 reporters)
17800 CHILE VOC; 0205 SP, uses 17790 up to 2202 (Padula)
17810 PHILIPPINES FEBC; 0000-0035 EG, nx, ID's, sports, rel mx & tlk (Ethen, Minor, Sellers, Zilmer)
17815nf ISREAL IBA; 2200 FR, into EG at 2230 (Padula) program details??
17825 JAPAN R Japan; 2345-0210 EG, world & local nx, lang lessons, // 17755, 17725 poor, 15270 good (7 reporters)
17855 CHINA R Peking; 0000 EG, world nx, mx (Reynolds)
17860 GABON Africa # 1, Libreville; 0600 EG/FR, mx, freq's, ID's, asking for reception reports by postcards, promising prizes; vry good reception (Byron)
17870 USSR R Kiev; 0035 EG, ID, nx, cmtry; R Vilnius 2300-2330 EG, ID's, nx, interview (Ethen, J. Williams)
17890 TAIWAN V of Free China; 2238* EG, tlk by W, weak (Ethen)
17900 VATICAN Vatican R; *1700-1715* EG, best to Africa, IS, ID, nx & interview. (E. Hoffmann, Zilmer)
17910 PAKISTAN RP; 1600-1615* EG, slow-speed nx, "General Svc" ID (Cinert, Zilmer)
17930 LIBYA SPLAJBC; 1230, 1730, 1945 AR, external svc, "Voice of the Arab Homeland", mid-eastern mx, nx, (Calderwood, Earhart, Jordan)
21460 BELGIUM BRT; 1850-2002 FR, nx, sports, cmtry, // 17715 (Bryan, Clark)
21475 FINLAND R Finland; 1430-1500 EG, nx, mx, modulation poor at times, better than 15400 (Earhart, Pyatt)
21535 SOUTH AFRICA RSA; 1710 DT, *2100 EG, 0500, 0613 EG, world & Afr nx, "Panorama" pgm (6 reporters)
21585 SWITZERLAND Swiss R Inter; 1530, 1810-1845 EG, world nx, "Dateline" and the "Two Bobs", // 15125, 17730 (5 reporters)
21585nf AUSTRIA ORF; 0907 EG, to SEAsia & Australia, ex 21670 (Padula)
21590 PAKISTAN RP; 0241-0245 EG, slow-speed nx, s/off. (Woman)
21600 WEST GERMANY DW; 1240 EG, Afr svc, 1720 EG, world nx, country mx (Van Patten, Jordan)
29720 ISRAEL IBA Kol Israel; 1358 lang, moved from 29705 to escape QRM, but by 11/7 hrd with 2-way QRM on this freq (Hauser); 1430-1510 RS, ID, world & local nx, // 25605, 25640 jammed (no name)

Out of room this month-we'll feature the higher freq's more next month when we have more room. A few of you send reports of French & British TV audio on 41250&41500; not strictly SWBC, but still interesting to listen to! *BS*

ANTENNAS/ACCESSORIES

EDITOR: Mike Agner c/o Delphi Associates 169 Merrimack St. 4th Floor
Lowell Ma 01853

Howdy all! From time to time we see in DX literature descriptions of 'full wave' designs or ' $\frac{1}{2}$ wave' verticals. Well, what do we mean by these terms?



Look at figure 1. Looks familiar, no? It is no more than a sine wave—just like out of the geometry texts. This is a simple example; obviously a radio wave in reality is more complex than this.

Look closely at the diagram. It rises and falls in a regular, rhythmic pattern. The 2 points a and b represent 1 cycle; the distance between cycles is called a wavelength.

Now, for any antenna to be efficient at a given frequency, several conditions must be met. One of these is that it must be long enough to capture as much rf energy in one (or several) wavelengths as possible. But just how long is long enough?

We already have one key—the wavelength of the frequency tells us the distance between peaks—now all we need is another fact. The speed of any radio wave is the same as for light—186,282,6 miles per sec. But since we are talking meters, let's convert that figure—we'll come up with something around 300 million meters per sec. With just a little algebra, we can change the cumbersome 300 million meters/freq in Khz to a much more manageable $300/f$, where f is the frequency in Megahertz.

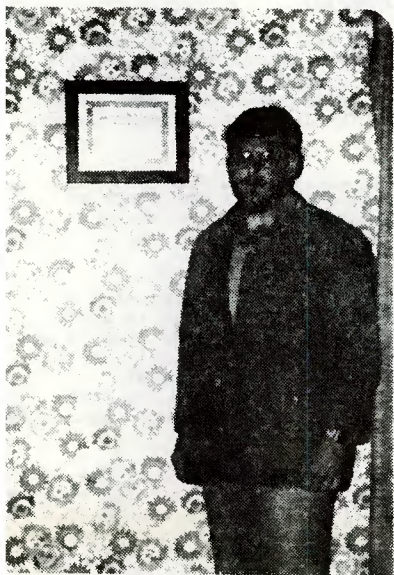
Unfortunately, the US is one of those very few countries which adheres to a different system than the rest of the world. So let's talk feet— we find that the formula $300/\text{Mhz} = 984/f$ where f is the frequency in kilohertz. We now have a simple formula to describe the distance one wavelength travels at a given frequency. So, if we wish to find the distance 1 radio wave travels in a $\frac{1}{2}$ wavelength, all we have to do is half the 984 and find out the figure becomes 492. Hmm, $492/f$ is very close to the classic formula for a dipole, which is $468/f$. The difference is that the first formula doesn't compensate for that unfortunate fact that 99% of us can't hang antennas where there are no trees or conducting surfaces. So, stick with the $468/f$ formula, and you'll be in the ballpark.

This very principle governs all antennas, no matter what type of antenna you're talking about. Just keep in mind the basic theme around this short thumbnail discussion—when you see a reference to a ' $\frac{1}{2}$ wave' design, what it is telling you is that the antenna has been cut to capture the maximum amount of rf available in a wave that is $\frac{1}{2}$ wavelength long at a given frequency.

That last part of the sentence is very important. If you see a design that blasts at you 'it is equivalent to a $\frac{3}{2}$ wave antenna!!!', ask yourself at what frequency? References without that important fact are completely useless, as you then have no way of telling at what point an antenna is resonant.

****A SHORT NOTE FROM YE ED***: As many of you know, I've been fooling around with different ideas for this column...surveys, spotlights (short ones, albeit as complete as I can) and little reviews of theory, like the piece above. Let me know if you like the variety—after all, you are my ultimate judges! Next— the survey returns! 73s

PUBLISHER'S PAGE



Here's another photo of Mike Hardester with his ANARC International DXer of the year 1979 award. The front cover includes Mike's equipment as follows: at left, top to bottom, is a Sony TC-106A reel-to-reel, FRG-7000, BC-221-M frequency meter. Behind Mike are his Heath IM-4100 frequency counter and SPR-4. On the other side are his Autek QF-1, KS preselector, VC-3060 (AM/FM/TV), FRG-7, Radio West Digital Display for the FRG-7, and Sony Headphones. Quite a display, Mike.

FOR SALE: SST-2 Ultra Antenna Tuner in very good condition. Price \$29.00. I pay UPS. **WANTED:** KS Preselector, Noise Blanker for SPR-4, QF-1 Autek Filter, Radio West Loop Antenna. Jim Uerlings, 3908 Kelly Drive, Klamath Falls, OR 97601. Telephone (503) 884-7659 after 0130 GMT.

WANTED: Radio Reloj, Radio Mira or any other Latin American pennants. Will purchase or trade for. Also want to correspond with other pennant collectors. Contact: Brandon Jordan, P.O. Box 62, Adamsville, TN 38310.

FOR SALE: DX-300 in excellent condition. Only a few months old, like new. This unit does not have the MHz or spurious problems described by some reviewers. Price \$335.00 includes UPS shipping anywhere in the USA. Jim Lackore, 2326 Center Street, Cross Plains, WI 53528. Telephone (608) 798-2732 after 5:00 pm CST.

FOR SALE: Realistic DX-160, excellent condition, bought new in July 77, electrically and physically sound. Price \$90.00 in original carton with manuals. Heathkit SW717, built by myself, general coverage, calibrated perfectly, includes S-meter, BFO, phone jack, bandspread, etc. Poor MW selectivity but otherwise in very fine condition. Three years old. Price \$55.00 plus \$3.00 for optional external speaker. Troubleshooting manual included. Hallicrafters S-120, general coverage with whip, BFO, bandspread, headphones jack. In fine, clean, optimum working condition. Price \$30.00. MFJ Frequency standard Crystal Callibrator, works great at least to 30 MHz, markers every 100, 50, 25 kHz, gated for easy identification. Two years old on just one battery! Price \$10.00 with owner's manual. In addition to the above equipment I have the following "as is" items recommended for parts or for an experimenter... Wards Westminster portable 8-band, three years old. Price \$10.00. Homemade antenna tuner from plans in "DXing According to NASWA" club handbook. Price \$6.00. Realistic CTR-34 Cassette Recorder, plays but doesn't record, in original box. Price \$10.00. Easl Higgins, 286 Lawton Road, Riverside, IL 60546. Telephone (312) 447-6339 between 2200-0300 GMT, collect if interested. All prices flexible, no reasonable offer refused!



A FRENDX classic



RADIO'S UNSUNG HERO (or, No Credit And It Hertz)

A few years ago the old familiar megacycles per second and kilocycles per second took a backseat in much of the DX world to the terms megahertz and kilohertz. The reasons given are two: to accord recognition to the Pioneer work of Heinrich Hertz in the field of electromagnetic wave propagation and to be consistent with the policy of naming units of measurement after notable persons in the scientific world.

Hertz was not alone. James Clerk Maxwell, Sir Oliver Lodge and Guglielmo Marconi have all achieved fame and recognition in the study of electromagnetic waves. Not so well known is David Hughes, the American who first deliberately propagated radio waves. But the unsung hero of the hobby heretofore unknown and unrecognized, was Jaroslav Goatzavili!

Goatzavili was of South East European parentage, his father being a seaman, and was born about 1830. About 1850 the family settled in South Wales and Goatzavili pursued his studies at a number of schools and colleges in the Principality, amongst them the long-defunct Institute of Physical Sciences located at the North Wales center of learning at Pentrefoelas. There the whole of the tuition was conducted in the Welsh language, which soon Goatzavili learned, his mother tongue being unknown to any of his contemporaries at the small North Wales college.

Recently discovered notebooks detailing Goatzavili's work show beyond a doubt that his work pre-dated that of Hertz by several years and the honor of giving his name to the international unit of frequency has been denied him by the difficulties inherent in translating from his native tongue--no longer spoken at all--into English.

It would seem that in his Croatian dialect the word "billi" was the equivalent of "thousand". Correctly, therefore, the name of Goatzavili, or Goatz as he was generally called, should now take its place in the international standard as meaning "cycles per second".

This would give us "billiGoatz" as the latest replacement of "megacycles" and "megahertz" and "heGoatz" would replace "kilocycles" and the later "kilohertz".

While some may smell a plot to deprive this poor peasant--he died penniless sometime about 1880 and his place of burial is not known--of true international recognition, the truth is simply that Servatzi, his native dialect and the Welsh language are virtually unknown to the world at large. Therefore, the work of Goatz has been totally overlooked by researchers in this field.

I am deeply indebted to Tony Jones, himself a native of Pentrefoelas and a member of the British Association of DX'ers, for revealing this work of his fellow-citizen and, thereby, giving us a chance to accord praise to Goatz in that evocative term, "billiGoatz"!

(from December 72 FRENDX by Alan Thompson)

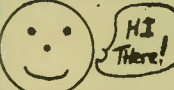
Special Features Editor Diane Levesque.

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Deadline for March issue is the 8th of Feb.

FRENDX CREDITS

1990



I hope you all had a pleasant holiday season. Did you get that receiver or QSL you wanted?

By the time you read this, the deadline for the Feb. issue will have already passed. Sorry about that. I should have said in the Dec. issue that the Feb. deadline was the 4th. With school and all, it makes it tough to state an exact deadline. Sorry.

Anyhow, heres the 83 reporters for this month, and of which there would be alot of empty pages in the last 1/3 of FRENDX if it wasn't for your tips and loggings.

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- Carol & David ABEY, Regina, Sask (DX-160)....Editor Mike AGNER, Burlington, MA (R4B, FRG-7, RF-2200)....Brian ALEXANDER, Mechanicsburg, PA (RF-4900, SX-190)....Raymond BAUERHUBER, Rosedale, NY....Paul BROUILLETTE, Sault Sainte Marie, MI (DX-160)....Josephine BRYAN, Stockton, CA (RF-4900)....Paul BUER, Miami, FL (SPR-4, FS-4)....Leslie BYRON, Laurelton, NY (Patrolman 9)....Michael CALDERWOOD, Denver, CO (FRG-7)....Brian CARTWRIGHT, Johnstown, PA (R-390)....Richard CINERT, North Judson, IN (RRG-7)....Robert CLARK, Phoenix, AZ (XCR-30)....Wheeler CONCVER, Manchester, KY (Admiral All-World)....James CONRAD, Waterloo, IA....David CRAWFORD, Edgewater, FL (DX-160)....Hadley CRESS, Harrisonburg, VA (HRC-500, R-4C)....Vladimir JUCURA Jr., Reading, PA (FRG-7, RF-2800, DX-160)....Richard D'ANGELO, Wyoming, PA....Larry DANKO, Livingston, NJ (BCR-101)....William DAVENPORT, Nashville, TN (DX-160)....Gary DIEMAN, Parkersburg, IA (DX-160)....Ron DISHMAN, Augusta, ME (R-300)....Kenneth EARTHART, Allentown, PA (FRG-7, NDR-505)....Craig ETHEN, Portland, OR (FRG-7, SX-71)....Marlin FIELD, Hillsdale, MI (SPR-4)....John FISHER, Chelmsford, MA....Robert FRASER, Cohasset, MA (XCR-30)....Tom GAVARAS, Plymouth, MN (HQ-180A) Glad to see reports Tom!....Charles GEORGE, Dallas, TX (SSR-1)....W. Maxfield GREENWOOD, Devon, PA (BCR-101)....Rob HARRINGTON, Englewood, CO (DX-300)....Editor Glenn HAUSER, Knoxville, TN (FRG-7, ICF-5900W, HQ-160)....Baxter HENSLEY, El Paso, TX (SX-190, FRG-7)....Ruth HESCH, White Plains, NY (JVC PR-6600JH)....Ernett HOFFMANN, St. Louis, MO, (51S-1, R-1530)....Darryl HOLLAND, Riverdale, NY (FRG-7000)....Ralph JENSEN, Toronto, Ont, (?)....Kenny JOHNS, Jackson, TN (SX-190, FRG-7)....Douglas JOHNSON, Issaquah, WA (R-388, SP-600)....Jack JONES, Jackson, MS (?)....Rufus JORDAN, Pittsburgh, PA Zenith Trans-Oceanic)....Stu D. KLEIN, Gainesville, FL (DX-160)....Paul KOWALSKI, Milwaukee, WI (SX-190 RF-2900)....Terry KRUEGER (editor), Casselberry, FL (QR-666) Welcome aboard Terry!....Jack LATTEMANN, Seattle, WA (RF-2900)....Chris LEITHNER, Brentwood, TN (?)....D. LEVESQUE Carbondale, IL (DX-300)....Clarence MAISE Jr., Lafitte, LA (FRG-7)....Brett MARKER, Rockford, IL (CRF-320)....Don MINOR, Tempe, AZ (DX-300)....Donald MCMAN, Edmonton, Alberta, (SPR-4, FS-4, FRG-7)....Don MOORE, Zion, PA (XCR-30) How are things at Zion Don?....Norman NEEHALL, Suffield, CT (FRG-7000)....Jeff O'DONNELL, Mineral Point (Vinc), PA (DX-160)....Bob PADULA, Surrey Hills, Vic, Australia (Marconi CR100)....Gregory PASCOE, Philadelphia, PA (RF-2800)....George PCPPIN, San Francisco, CA (FRG-7)....James POSPORELIS, Troy, NJ (?)....John PRATH, Ft. Lauderdale, FL (FRG-7000, FRG-7, DX-160) Edward PYATT, Atlanta, GA (RF-2800)....Ben RADCLIFF, Ottawa, IL (SB-310)....Robert RANKIN Lawrence, KS (FRG-7000)....Andy REID, Peterborough, Ont (?)....Bill REYNOLDS, Amherst, NY (SWA, DX-40)....Don SAUNDERS, E-Brunswick, NJ (BCR-101)....Brett SAYLOR, Altoona, PA (DX-160) Sorry Brett, I forgot you are an editor! HIIII....Harold SELLERS, Scarborough, Ont (RF-2800 w/ inverted L and folded Dipoles)....Thomas SEMESKY, Gary, IN (FRG-7)....Beverly SLOMA, Brooklyn, NY (BCR-101)....Leon TANNENWALD, Brooklyn, NY (SPR-4)....William TAYLOR Jr., Unionville, PA (?)....Editor Dave VALKO, Dunlo, PA (DX-160)....Roger VAN-PATTEN, St. Louis, MO (RF-2800)....(former editor) David WALCUTT, Houston, TX (R-4B, HQ-180AX w/ 130 foot antenna)....Tom WALSH, Chelmsford, MA (R-390A, DX-150A)....Kelvin WATTS, Summer Hill, N.S.W....Terry WEINHOLD, Terre Hill, PA (FRG-7)....Doug WICKS, Vinc, PA (DX-150) Are you related at all to the WICKS department stores? HIIIIII....John WILLIAMS Bloomington, MN (R-4C, R-4B, SPR-4)....Bill WILSON, Phoenix, AZ (SPR-4) Bill, we have a sports announcer at one of the local TV stations here named Bill Wilson....Gerald WORD, Carrollton, GA (?)....Robert YAJKO, Leechburg, PA (SPR-4, RF-2800)....Robert ZILMER, Milwaukee, WI (R-390A, SPR-4).
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Now that I've made enough mistakes I can retire for this issue. Sorry for the spacing mistake. You can blame that on my brother.

The THIDIA boys had their annual Thanksgiving DX session at the Brett Saylor QTH, and it proved to be a great success (in my opinion) with a reception of the F.I.B.S. in the PALM-LAND ISLANDS.

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