

# FRENDX



**RADIODIFUSORA  
JESUS DEL GRAN PODER**

ONDA MEDIA: 670 Ecs. — ONDA CORTA: 5.050 Ecs. — F.M. 102.5 Mgs.

# RADIO ZARACAY

JANUARY 1983



Welcome to 74 new and returning NASWA members who have joined the ranks since our previous listing which last appeared in the November issue of FRENEX. The next listing will appear in the March issue of FRENEX.

- |                                      |  |
|--------------------------------------|--|
| ABBEY, Leonard B., Atlanta, GA       | MARSHALL, Martin, Evanston, WY                                   |
| AMBLER, Irv, Trumbull, CT            | MEADERS, J. Conrad, Atlanta, GA                                  |
| BIDDLE, Beth, La Habra, CA           | MILLENER, George, West Palm Beach, FL                            |
| BOBB, Norman N., Minneapolis, MN     | MILLER, Hugh, Seattle, WA  |
| BONER, Norbert, Covington, TN **     | THOMPSON, Mussay, Manitowoc, WI                                  |
| CREIGHTON, William, Fishkill, NY     | NELSON, Larry S., Ottawa, Ont.                                   |
| CRESTOHL, H. Michael, Montreal, P.Q. | OAKLAND, Ronald W., New York, NY                                 |
| COALE, Cecil R., Jr., McKinney, TX   | PACE, Don J., Liberty, SC **                                     |
| COLE, John R., Lake Isabella, CA     | PAINÉ, Scott, Lebanon, PA  |
| CORCORAN, Tim, Shavertown, PA        | PERRYMAN, Gene, Kendrick, ID                                     |
| COURTNEY, Jim, Knoxville, TN         | PICARELLI, Thomas J., Sunnymede, CA                              |
| CROUSE, James E., The Plains, OH     | POLCHLOPEK, Joseph, APO San Francisco                            |
| DALLAPE, Dave, Dearborn, MI          | PRESTON, William G., Rheem Valley, CA                            |
| DeBOW, Scott, Tupelo, MS             | ROBERTS, Jim, Winnipeg, Man. **                                  |
| DIECKMANN, Ralph W., Arlington, VA   | ROBINSON, Betsy, Clinton, TN                                     |
| DMUCHOWSKI, Mark, Sarasota, FL       | RUTOWSKI, Dennis, Portsmouth, NH                                 |
| FISCHER, Herb, St. Louis, MO         | SHORTZ, Bill, Franklin, IN                                       |
| FLOCK, Merlin, Pond Creek, OK        | SKAGGS, Richard, Knoxville, TN                                   |
| FOISEY, S.E., Stratford, CT **       | SLATER, Clifton, Pittsburgh, PA                                  |
| FOMIN, Andrew, Yakima, WA            | SLOAN, Dan, Arcadia, CA  |
| FOX, Samuel, Chicago, IL             | SMITH, D.D., Fountain Valley, CA                                 |
| FRALEY, James P., Pennsauken, NJ **  | SOBKOVIAK, Robert J., Plainfield, IL                             |
| FRIES, Bill, Big Rapids, MI          | SOMERS, Joe, Bellmawr, NJ  |
| GALICKI, Edmund, Chicago, IL         | SONTZ, Howard, Jersey City, NJ                                   |
| GLAVICH, Wallace I., Eureka, CA **   | SPRACHMAN, Steven P., Seaford, NY                                |
| GORE, Frank L., Sierra Madre, CA     | STANLEY, Trevor, Flagstaff, AZ                                   |
| HANCOCK, John A., Mobile, AL **      | STRANAHAN JR. HIGH SCHOOL SHORT WAVE<br>RADIO CLUB, Brooklyn, NY |
| HARMAN, Smith S., Atlanta, GA **     | STRANG, John H., Plainview, IL                                   |
| HENLEY, E.F., Tampa, FL              | SUMMERS, Steve, Mechanicsville, PA                               |
| HOWARD, Bob, Kent, OH                | THOMPSON, Jack, Shiremanstown, PA                                |
| HREN, Frank S., Casper, WY           | ULMER, Douglas J., Metairie, LA                                  |
| JACOBSEN, David L., Elgin, IL        | VILALTA, Roberto, San Francisco, CA                              |
| JOHN, Dr. P.K., Willowdale, Ont.     | WARNER, Frank W., Binghamton, NY                                 |
| KOSTOV, Irvin, Amahem, CA            | WATSON, Arthur J., Burnaby, B.C. **                              |
| LAKE, Daniel A., Englewood, NJ       | WEINHOLD, Terry, East Earl, PA **                                |
| LASKY, David, Olean, NY              | YAMRON, Larry, Pittsburgh, PA **                                 |
| MAHLBERG, Lyle, Duluth, MN           |  |
| MARLEY, D.E., Charlotte, NC          |  |

\*\* Welcome back to these returning members after an absence!

FREE ILG AVAILABLE

According to information received from West Germany, a free copy of the November 1982 edition of the International Listening Guide is available for return postage, either two IRC's or a U.S. \$1.00 bill. This covers Airmail postage to any part of the world. The address is: International Listening Guide, Bernd Friedewald, Editor, Merianstrasse 2, D-3588 Homberg, FRG-West Germany.

NEW LOG REPORT "C" EDITOR NAMED

John T. Arthur, P.O. Box 4948, Arcata, CA 95521 has been appointed the new editor of Log Report "C" beginning with this issue of FRENEX. John replaces Peter Schipelliti who edited the column since September 1979. Peter's position as manager of his own Radio Schack store no longer allows him sufficient time to do LR "C". We welcome John to the FRENEX staff and wish Peter lots of luck. Thanks, Peter.

FOR SALE: Drake R7-DR7, one year old. Has noise blanker, matching speaker, dust cover, and 1.8, 2.3, and 4.0 filters installed. Like new. Price \$900.00, I pay postage. ALSO Drake R-4B with seven extra crystals and dust cover. Like new. Price \$200.00, I pay postage. Stanley Cabral, 2254 62nd Avenue, Oakland, CA 94605. Phone (415) 562-2486

FOR SALE: Info-Tech M200F RTTY converter. One year old and in like new condition. Price \$450.00 UPS paid in U.S. Richard Kawa, 3296 Abbott Road, Orchard Park, NY 14127.

FOR SALE: New 1983 Edition - NASWA Tropical Bands Guide. Covers 2000-5900 KHZ NA Log Reports from 2/76 to 1/83. Hundreds of changes! All possibilities by exact frequency with variations, NA Reception Rarity Guide, country, city, station check boxes for heard/QSLed/taped, fade in/fade out or on/off times with variations, languages, miscellaneous notes, intro with abbreviations, etc. Price \$3.00 in USA/Canada/Mexico, \$4.00 elsewhere. George Sherman, Box 2284, Minneapolis, MN 55402.

WANTED: Information on VOA schedules, transmitter sites, and hours of transmission from these sites. Steven R. Lare, 824 West 25th Street, Holland, MI 49423.

FOR SALE: WRTH-83 test receivers as follow: Panasonic RF-3100 for \$199.00 plus \$5.00 shipping. Essentially new with warranty card. Philips D-2924 portable for \$95.00 plus \$4.00 shipping. Excellent condition. MFJ-959 antenna tuner/preamp for \$59.00 plus \$4.00 shipping. Excellent condition. MFJ-1040 high-gain preselector for \$69.00 plus \$4.00 shipping. Excellent condition. Larry Magne, Box 428, Penns Park, PA 18943.

FOR SALE: Hallicrafters SX-110. A fine quality general coverage receiver with crystal filter and bandspread. In very good condition with manual. You pay shipping. Photo and information for SASE. Chuck Klawitter, 4627 North Bartlett Avenue, Milwaukee, WI 53211.

TRADE: HQ180AX, clean, with original speaker and extra set of tubes for Panasonic RF-2900 plus \$50.00, or will bargain/barter. Fritz Mellberg, 1505 Central, Hawarden, IA 51023. Phone (712) 552-2458 around midnight GMT +/- 30 minutes only since I may not be home other times.

FOR SALE: Realistic DX-302 with manual and original packing, \$120.00. S. Davenport, 403 Woodland Hills, Tuscaloosa, AL 35405. You pay shipping, I pay insurance. Phone (205) 553-4715.

FOR SALE: DX-300, debugged and in good shape, \$225.00. DX-160, a classic, \$90.00. HQ-110, excellent receiver, \$175.00. Paul V. Zecchino, Maxson Hill Road, Ashaway, RI 02804. Phone (401) 377-2447 nights, (401) 596-5569 days.

NO COLLECT CALLS ON THESE ADS, PLEASE

# Shortwave—

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Telephone: (212) 549-6613 2330-0430 WEEKDAYS  
ANYTIME WEEKENDS

# Center—



As stressed in the first article in this series, there is no substitute for the knowledge gained by experience.

Rare DX depends on "conditions." That goes without saying. But what a DXer comes up with when conditions are right depends, to a large extent, on the store house of information and know-how he has to apply to the given situation. A good place to start is with the bands themselves. Most of the rare DX will be found in the bands below about 7MHz, the 41, 60, 90 meter bands; plus, to a lesser extent, 120 meters and the out-of-band stations. To start with, emphasize 60 meters, the single best band.

#### Concentration!

Concentrate your maximum listening efforts on 60. Later, you can expand your attention, in a similar way, to the other DX bands. Hours; spend dozens of hours, hundreds of hours if you can, learning what there is to be heard under normal conditions, under unusual band conditions. Get to know that span of frequencies like the back of your hand. In order to get the rare ones, you have to be able to quickly sort the usual from the unusual signals. When extra good conditions occur, you can't waste time on re-logs of previously heard stations when you could be coming up with new ones.

Can you, at any particular time of day, cruise 60 meters and with a fairly high degree of certainty, tentatively ID within 15 seconds, each of the stronger signals on the band? If you can't, you're operating under a real handicap!

On a good winter afternoon opening to Africa, can you tick 'em off as you tune down the line? Lome, 5047, ...Bangui, 5038 or 39...? If you can do this, the unusual signal should stand out, catch your attention, and you can spend your time logging it.

#### Concentration!

Concentrate on learning as much as you can about shortwave propagation, if not from a "book larnin'" theoretical approach, then from a practical "What can I hear?" approach. Learn to recognize and take advantage of reception patterns.

Most beginners know you can't expect low SW frequency reception at high noon local time. It is assumed you know why this is the case. There is no black magic in DXing. Propagation of DX signals depends on natural phenomena. The more you know about how and why distant shortwave signals reach you, the better you will be able to determine when to tune. There is plenty of material available for study if you only take the time and effort to seek it out.

For too long DXers have neglected this field of study. Only recently have some attempted to systematically study the matter of propagation of weak DX signals on SW.

But, theories aside, careful observation and recordkeeping should give you a good working knowledge of practical propagation.

Do you know, for example, the time of day, the time of year, when your chances of hearing a rare station are optimum? Do you know the great circle path between your receiving location and the target DX stations? Do you know, at any particular time of year, when paths of darkness exist for these stations? Do you know when you can normally expect the 60 meter Latins to fade out and the Asians to fade in in the morning?





# VINTAGE VIGNETTES



WDX3UPA Bill Taylor, Box 132, Unionville, PA 19375

In continuing our listing of vintage receiving equipment, one cannot omit one of the earliest radio parts and manufacturing companies. The twenties saw two companies as being preeminent in these fields: Hammarlund Manufacturing and the National Company, Inc.

The National Company was famous for their knobs, dials, and coil parts which graced many kits and honebrew rigs. Their Malden, MA QTH was world-famous, as was their monthly letter to hams in QST magazine. One of the engineers chosen to write these epistles even went on to establish his own line of high-quality amateur gear. His name was James Millen.

I hope that the following list may bring back some fine memories to some of you, or possibly generate some future ones for all of us.

SET	DATE	TUBES	TYPE	POWER	FREQ.	PRICE
Browning-Drake (kit) <sup>1</sup>	1924	2	Regenerative	Battery	BCB	\$ 22.00
SG-4 Thrill-Box	1929	4	Regenerative	Battery	BCB	55.00
SG-5 Thrill-Box	1929	5	Regenerative	Battery	BCB	55.00
SW-4 Thrill-Box	1929	4	Regenerative	Battery	1-18 Mc	55.00
SG-4 Thrill-Box	1929	5	Regenerative	AC	BCB	65.00
SG-5 Thrill-Box	1929	6	Regenerative	AC	BCB	65.00
SW-4 Thrill-Box	1929	5	Regenerative	AC	1-18 Mc	65.00
MB-29 (chassis only)	1930	9	TRF	AC		
SW-5 Thrill-Box <sup>234</sup>	1930	5	TRF Regen.	Batt./AC	SW	114.00
SW-45 (kit)	1930	4	TRF		SW	80.00
MB-30 (chassis only)	1930	5	TRF		BCB	
MB-32 (chassis only)	1930	5	TRF		BCB	
5800-AB (power supply)	1930	1		AC		37.00
5800-ABS (power supply)	1930	1		AC		37.00
SW-3 Thrill-Box <sup>5</sup>	1931	3	TRF Regen.	Batt./AC	.1-30 Mc	55.00
NC-5 (SW converter)	1931	5	Superhet	AC	1.6-18 Mc	75.00
SW-34	1931	5	TRF	Battery	LW/MM/SW	85.00
SW-58	1931	6	TRF	AC	LW/MM/SW	129.00
HFR (SW converter)	1931	8	Superhet	AC	1.6-18 Mc	129.00
HFC (SW converter)	1932	3	Superhet		1.6-18 Mc	40.00
SW-45					LW/MM/SW	
AGS	1932	11	Superhet	AC	2.4-15 Mc	NA
FE-7	1933	7			1.5-20 Mc	NA
AGS-X (crystal version of above)						
AGU (plug-in coils version of above)						
AGL (long-wave version of above)						
HRO	1934	9		DC	1.7-30 Mc	NA
HRO-Junior	1936					
1-10		4	Super/Regen	Batt./AC	27-290 Mc	70.00
5886 (Power supply)		1				25.00
NC-100/NC-100X	1936	12	Superhet		.54-30Mc	200.00
NC-101X (Ham bands only version of above)						
NC-80X/NC-81X	1937		(Simplified 100X and 101X)			
NC-100 XA	1938		(100x w/ VFO dial and S-meter)			
NAU	1939	12			27-62Mc	
NC-44	1939	7	Superhet	DC	.55-46Mc	49.50
NC-44A (AC version of above)						
NC-44B (Battery version)		6				

SET	DATE	TUBES	TYPE	POWER	FREQ.	PRICE
NC-200	1940	12	Superhet		.54-30Mc	
NC-45	1941	8	Superhet	DC	.55-30Mc	52.00
NC-45A (AC version)						
NC-45B (Battery version)						
697 (Power supply)						20.00
HRO-5	1946	12	Superhet	DC	.05-.430/ .480-30Mc	275.00
HRO-5TA (Ham bands and bandspread version of above)						
HRO-5RA (Rack-mount version of above)						
HRO-5A1 (coil plug version)						
NC-2-40	1946	12	Superhet	DC	.49-30Mc	170.00
NC-2-40S (.2-18 MC version of above)						190.00
NC-240C	1946	12	Superhet	DC	.49-30Mc	250.00
NC-240CS (.2-.4/1-30Mc version of above)						250.00
NC-240D (10/20/40/80 meter version)						225.00
NC-46	1946	10	Superhet	DC	.54-30Mc	97.50
NC-1-10A	1946	4	Super/Regen	DC	27-290Mc	68.00
HRO-7	1947	12	Superhet	DC	.05-.430/ .48-30Mc	280.00
NC-173	1947	13	Superhet	DC	.54-31/ 48-56Mc	180.00
NC-57	1947	9	Superhet	DC	.55-55Mc	90.00
NC-33	1948	6	Superhet	AC/DC	.5-35Mc	66.00
HFS	1948		Super/Regen.	DC	27-250Mc	125.00
NC-183T	1948	16	Superhet	AC	.54-31/ 48-56Mc	270.00
NC-183R (rack mount option for above)						
HRO-50	1949	14	Superhet	AC	.05-.43/ .48-35Mc	350.00
NC-125	1950	11	Superhet	AC	.56-35Mc	150.00
HRO-50T1	1951		(Improved HRO-50)			380.00
HRO-50-R1 (Rack mount option)						
SW-54	1951	5	Superhet	AC	.54-30Mc	50.00
NC-183D	1952	16	Superhet	AC	.54-31/ 48-56Mc	370.00
(Improved sensitivity/dual conversion (4.4 Mc)						
HRO-60	1952	18	Superhet	AC	.05-.43/ .48-54Mc	745.00
NC-88	1953	9	Superhet	AC	.54-55Mc	130.00
NC-98	1954	9	Superhet	AC	.54-40Mc	140.00
NC-300	1955	13	Superhet	AC	10-160meters	400.00
(adaptors for 6,2, 1 1/2 meters - dual conversion)						
NC-66 (Portable)	1957	5	Superhet	AC/Batt.	.15-.4/ .5-23Mc	130.00
NC-109	1957	11	Superhet	AC	.54-40Mc	200.00
NC-188	1957	9	Superhet	AC	.54-40Mc	160.00
NC-60	1958	5	Superhet	AC/DC	.54-31Mc	60.00
NC-303 (Improved NC-300)	1958	15	Super/dual conv.		10-160meters	450.00
NC-400 (dual conv. 7Mc+)	1959	18	Superhet	AC	.54-31Mc	895.00
NC-270	1960	10	Superhet	AC	80/40/20/15/10/6m	250.00
NC-60B "Special"	1961	5	Superhet	AC/DC	.54-31Mc	60.00
NC-105 (w/ Q. mult.)	1961	6	Superhet	AC	.55-30 Mc	120.00
NC-105W (same as above except oiled walnut cabinet)						
NC-155 (dual conversion)	1961	10	Superhet	AC	80-6 meters	200.00
NC-190 (SW/ham bandspread)	1961	10	Super/dual conv.	AC	.54-30Mc	220.00

Notes: (1) Storage or dry batteries, (2) 4 AC models/1 DC model, (3) 2.61-21MC (1930)/.100-36Mc (1931), (4) Wood or metal cabinet, (5) 4 AC models/1 AC-DC/1 DC.

I don't have enough room to list the accessories this month -- I'll get them in next month.

73's de Bill

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I hope that everyone has had a good holiday season and is ready for the 1983 DX season. Shortwave Center welcomes contributions of any sort. If you have an article in mind, type it out and send it to me. I reserve the right to lightly edit, of course; don't let that stop you. Become one of the active NASWAs and write for Shortwave Center.

*Chris Jensen*

## ICOM IC-R70 REVIEW

The newest entry in the digital readout communications receiver market is the ICOM IC-R70. ICOM already has a fine reputation as a manufacturer of amateur transceivers. The IC-R70 is their first entry in the general coverage receiver market, at least in the USA. It should be noted that two of their recent transceivers boast general coverage receiver sections, however, so they are not trading on entirely new ground.

List price of the IC-R70 is \$750 net. Most dealers are selling for just under \$700. If you can't get it for less than \$680, keep shopping! I bought an R-70 almost as soon as it came out, as a backup receiver to my Drake R-7A, which had to go back to the factory for a few days for warranty work. No previously available receivers in the under \$1000 category had any of the features I wanted, so I took a chance on the IC-R70, since it offered most of these features at an attractive price. In addition, it offers micro-processor control of many functions -- something no communications-grade receiver under \$1000 offers. I guess my only doubt was: would it turn out to be communications grade, or semi-pro grade -- or would it turn out to be a big toy? You see, the low price scared me. You wonder how much they can pack into a receiver for that price. To give you a sneak preview answer, this receiver is packed with features, the box is packed with components, and the schematic is one of the most complex I have seen in a long time. And -- it works well. There are several of what I feel to be shortcomings, but those features have to go with a \$700 receiver. I mentioned that the box is closely packed with components. There are a number of available receivers in the \$320-\$650 list price range with very little inside the box, and less shielding.

I have now used the IC-R70 stand-alone for 10 days, and next to my Drake R7A for 3 weeks on a comparison basis.

The IC-R70 is a tough, complex receiver to evaluate -- much more so than any others in its price class. Moreover, for the purposes of this review, I will be comparing it to an R7A by Drake, which lists for more than twice as much. However, I feel I must compare it to the Drake, for the IC-R70 far outstrips anything in its own price class, and the next rigs up the ladder are the NRD-515 and the R7A. I don't have an NRD-515, so it was the R7A or nothing. Please bear in mind when you see side-by-side comparisons in this article that seem to slightly downgrade the ICOM that it lists for \$750, and the Drake, with its options, lists for almost \$1800.

First off, bare facts and specs. Since the IC-R70 is so new and as yet little advertised, I will cover the basic specs. Nominal 50 ohm antenna input, unbalanced, all bands. Extra connector for optional low-frequency longwire. Coverage 100 kHz to 29.999 MHz. Pushbutton selectable continuous general coverage, or ham bands only (including the new WARC-provided bands). Ten Hz step CPU-controlled synthesizer (PLL). Quadruple conversion, upconversion. Optional FM detector. Six-digit frequency readout to 100 Hz. Claims of very high stability -- less than 50 Hz per hour after warmup. CPU-controlled options, dual VFO memory. Optical shaft encoder tuning. Button choice of three tuning speeds. RF preamplifier. Attenuator. Passband IF tuning. Notch filter. Noise blanker with dual blanking widths. Two AGC speeds plus off. RIT (receiver incremental tuning). Filters supplied for 500 Hz, 2.3 kHz, and 6 kHz (at 6 dB points). RF gain, squelch, tone control. Modes: AM, SSB, CW, RTTY (RTTY output on back panel accessory jack). Monitor output for transceive monitoring. Front panel monitor volume control. For mobile work, 13.8 V DC input on accessory jack. (As with most communications receivers, there is no provision for internal batteries). As with the Japan Radio Company NRD-515, there is an extensive accessory socket on rear providing for future options such as remote memory and keyboard tuning.

The receiver has an all-metal cabinet, well-shielded from the outside world. Head-phone jack, recorder jack, and speaker jack. Built-in front panel speaker.

The receiver is very compact and quite sturdy and solid. As far as I can tell, the receiver I bought met all published specs listed in the operator's manual.

Discovering how to use a microprocessor-aided general coverage receiver was a pleasant surprise, such as tuning fast, or moving quickly from the top of one tuning range to the (contiguous) bottom of the next highest tuning range. These "chores" are a pleasure, and instantaneous, on the IC-R70.

The 6-digit readout is a high-intensity blue fluorescent display. Very easy on the eyes. There is a front-panel dimmer switch for display and S-meter backlighting.

All tuning is via a CPU-controlled step synthesizer, with user-selectable steps of 10 Hz, 100 Hz, or 1 kHz. This receiver is fairly clean with regard to synthesizer phase noise (or noise sidebands) on the local oscillator signal. I do not have the necessary spectrum analyzer to go inside the rig and measure actual local oscillator phase noise -- but in actual day-to-day use there is little in evidence. Using the 500 Hz CW bandwidth,

and tuning CW signals on a quiet band, there are occasional weak secondary 'beats' observed as you tune across the signal). So, the IC-R70 should be considered quite clean in this respect. As you probably know, synthesizer phase noise is an attendant problem in any fully PLL-synthesized receiver, transceiver, or transmitter; it's only lately that many manufacturers are getting it under control. Yet even now, the best fully synthesized receivers in the under-\$6,000 price range still exhibit much more phase noise than most "tunable local oscillator"-type rigs from much cheaper price classes. In this regard -- and it may be a quirk of just my unit -- my rig shows what may be either a "birdie" or noisy local oscillator. When tuning in CW mode there is an occasional high pitch, fixed-pitch "second heterodyne" present in the audio. When present, the pitch does not change with tuning.

Stability of the receiver is phenomenal. Even after a 30-40 minute warmup, there is not user-detectable drift for hour after hour. I wish I could say the same for my R7A -- which, although it does not drift badly, does drift, and more than a \$1700 receiver should.

I love the main tuning knob on the ICOM. It's hefty, and the finger-spinner detent on the knob is big enough and deep enough for easy use (Are you hearing me, Drake?) I've already mentioned that the ICOM has three selectable tuning speeds. In 10 Hz step, one half turn of the tuning knob equals about 600 Hz. In 100 Hz step, one half turn equals 5.3 kHz, and in 1 kHz steps, one half turn of the knob passes 53 kHz. These steps are selectable via three vertically-arranged pushbuttons next to the main knob. For comparison, my R7A, which is not fully synthesized, uses a permeability-tuned oscillator (PTO) with only one tuning rate -- approximately 12.7 kHz per half turn of the tuning knob. It's a good compromise, but it can't equal three different speeds.

The ICOM tunes in 1 MHz bands. Band is stepped up or down via up and down push-buttons. This entire receiver is electronically tuned via the CPU -- it has no pre-selector or bandswitch knobs. Over a hundred PIN diodes under CPU control choose appropriate synthesizer dividers and parameters, IF filters, and front-end bandpass filters. More on the PINS later.

There are two "VFO's". Really, this is just a catchall phrase for an A memory and a B memory. A and B VFO are chosen via an in-out pushbutton. An appropriate A or B is displayed to the left of the frequency readout. So, if VFO A is set on 194 kHz, and VFO B is set on 7560 kHz, you can switch from one frequency to the other at the push of a button. This, coupled with selectable rate tuning, means you can scan the bands almost as fast as your mind can keep up. I would like to see about another ten memory frequencies, and I assume this (an external memory/access unit) will be offered in the future as an option.

The IC-R70's receiver incremental tuning (RIT), when chosen by button, will change frequency by plus or minus 800 Hz. In keeping with most modern amateur transceivers, this change is not shown on the frequency display. I have never seen the sense in this "invisible" frequency change, and would much rather it be reflected in the display.

There is a very convenient tuning lock pushbutton which disables the main tuning knob; in addition, there are function pushbuttons for AM, USB, LSB, RTTY, and CW wide and CW narrow modes.

When you are in each mode, you are 'married' to the manufacturer's choice of filter for that mode. In AM mode, you are stuck with a 6 kHz filter (and, worse, the filter has a shape factor of 3:1); in SSB you have a better shaped 2.7 kHz filter. This AM filter is a disaster; it's the only real disaster in the ICOM. Six kHz is just too wide for any serious MW or SW work. Although there is the 2.3 kHz filter for SSB, it uses a different center frequency, and in any case is not available in AM mode (at this point let me interject that 2nd IF center frequency in AM is 9.0100 MHz; SSB is 9.0115 MHz; and CW is 9.0601 MHz). The manual downplays the bandwidth limitation by pointing out that AM bandwidth is really adjustable down to 2.7 kHz via the passband tuning (PBT) control. That may be so, but I have three points I wish you to consider: even 2.7 kHz is far too wide for many of today's crowded bands; using the PBT on this receiver to its fullest extent requires judicious coordination of PBT and the main tuning knob; most damning is the skirt shape of the AM filter and the next filter downstream, the IF in mode -- it's just too broad and sloppy. This also applies to some extent to the broad-skirted 500 Hz CW filter. Usage bears this out. However, with judicious use of PBT under rough conditions, the receiver is usable and workable, but it does leave something to be desired. The owner's manual points out that user-installed optional CW and SSB filters of narrower bandwidth are available. No mention is made of a narrower AM filter. You cannot just solder in an SSB filter, because the IF center frequency is different, although this option is not entirely impossible. Look at the specs. A center frequency difference of only 1.5 kHz will still allow signals to fall well within the passband of subsequent tuned stages. The only problem is that the center frequency will be 1.5 kHz off.

I don't know if ICOM makes a narrower AM filter with the exactly-correct center frequency. I am also not sure whether the existing filters in the receiver are ceramic or crystal filters. The best impression I can get is that most stock filters are ceramic.

Now for an anomaly in AM mode only, which is not serious in actual use, but is certainly interesting. In ANY particular MHz range, you are actually not tuned to the displayed frequency when the receiver is tuned from X.000,0 through X.001.4, inclusive, where "X" can be any MHz from 0 to 29. It's like a foldover. At first, when I noticed this anomaly, I assumed that the receiver was tuned to 'nothing' when in this "ICOM Bermuda Triangle." However, I am a suspicious guy, and some bench tests with a digital RF generator proved that what we're really tuning in that 1.4 kHz No Man's Land is really a whole MHz higher. So, for example, if you're tuned to 4,000.0 MHz your receiver is really listening to 5,000.0 MHz, and so on. As you pass the magic demarcation point between the 1.4 kHz digits and the 1.5 kHz digits, there is a tiny "click," and you're back where you belong. I first suspected that this was a flaw in my receiver only, but I have since heard that other IC-R70 owners notice this phenomenon, too. What, then, transpires here? It is a quirk of CPU programming and synthesizer loop programming, and apparently is directly related to the fact that the 2nd IF center frequency in AM is 1.5 kHz lower than SSB. There is also a smaller, similar quirk when in CW mode.

Now for SSB mode. Short and simple -- very good. You're stuck with the 2.3 kHz filter, and it's a good choice. Specs show a nice tight skirt shape, and tests bear this out. In practice it's a pleasure to use in SSB. I'm sure this is partly due to its superior stability. When you touch the SSB button, mode selected is automatically LSB if displayed frequency is below 9 MHz, and USB if over 9 MHz. Incidentally, mode selected is displayed by a single letter at the left of the fluorescent display: U, L, A, C, or R. (R for RTTY). If you wish USB reception below 9 MHz, or LSB above, you first tap the "function" button, then tap the SSB button. Selectivity, ease of tuning, and signal clarity in SSB are all very good. One weirdie: if you are TUNING in AM or LSB mode and happen to pass an USB signal, and in due course press the button to select USB, you'll not only get USB, but your displayed frequency (and actual frequency) will jump down by 3 kHz. VERY disconcerting until you get used to it. Similarly, if you go from USB to LSB or AM, you jump up 3 kHz. This happens on a smaller scale with CW. If you enter CW while in AM or LSB, your frequency goes down by 600 Hz. In order for the receiver to accurately display carrier frequency while listening in SSB or CW, this little "quirk" was tolerated.

As I mentioned before, in CW you can choose either the 500 Hz or 2.3 kHz filter. Performance on CW is quite good in my opinion; the 500 Hz filter does have broad skirts according to the manual, but in practice this is rarely a problem, unless a very strong signal is a few hundred Hz away.

In RTTY mode, mark frequency of the RTTY signal is displayed when tuned in. RTTY audio output is available on the rear panel. Normal RTTY bandwidth is the 2.3 kHz filter, but, via a switch inside a little door atop the receiver, you can select the 500 Hz filter for RTTY. This receiver has many nice little extras and niceties hidden in it such as this.

Notch filter works quite well, and it's good seeing one on a receiver in this price range. It is set up for SSB and CW primarily, so it is not centered in the IF on AM. In AM, with knob centered, notch is really about 2.2 kHz below display frequency, which means you really cannot notch signals much above the frequency you're tuned to. Notch IS more or less centered in SSB and CW. PBT, which we discussed before, works per specs, but can be frustrating on some AM and CW reception, primarily due to filter skirts.

I don't expect perfection in this area, since this is a \$700 receiver, and notch, PBT, narrow SSB and CW filters, and digital readout to 100 Hz has not before been available in receivers of this type under \$1100. Obviously there ARE going to be "shortcomings" when I compare it to my R7A.

AGC works fine; the two selectable speeds make it more versatile. I find there is almost never a time when I turn off AGC and ride RF gain. Normally I leave RF gain at maximum. For most work, you'll use AGC slow speed. Fast is helpful in rapid bandscans and some weak signal CW reception.

The noise blanker works fairly well, especially on very fast rise time impulse noise. There are two noise blanker speeds, or widths; narrow and wide, with "narrow" being "normal." Wide can mean two things, either that the noise blanker is learning to recognize as noise impulses that have slower rise times than conventional sharp noise, (i.e., "broader" impulses), or it can mean that recognition criteria remain constant, but that the blanking pulse applied to the "gate" or electronic switch is broader (of longer duration). The manual does not make clear which is meant by "Broad Noise Blanker." I find it impossible to decipher from the schematic in the limited time I devoted to it, since the schematic (a very dense one) is only half schematic and half pictorial.

This was necessitated by the incredible amount of microprocessor control involved. Now, I would like to know which function they mean by broad noise blanking, because there is a time and a place for each. For example, I have considered adding a switch to broaden the blank pulse on my Drake R7A, which already has an excellent noise blanker, to make it even more versatile. There is good reason in many receiver applications for a noise blanker with a broader than normal blank pulse at times, particularly when dealing with the Russian woodpecker and 120-Hz power line hash noise, both of which exhibit a broad signature. In addition, "Woody" (the Woodpecker. ch) has an unusually slow rise time most nights -- more on the order of a sharp CW signal than "normal" noise. Conventional noise, on the other hand -- such as a lightning stoke from a distance, and spark ignition noise -- have a narrow noise pulse, easy to blank.

You can now see why I was rather excited when I learned the ICOM had dual blanking speeds or widths. This is a highly desirable feature nowadays, and never before available in this price class. After extensive use, I can say they should have left it out. I can notice almost no difference on any kind of noise I encounter between narrow and wide noise blanking. I've used it often on power line noise and "Woody." The Drake R7A noise blanker stands out head and shoulders above this one. And we could say that's to be expected for the price -- but the thing that disturbs me is that ICOM, I'd always heard, has built a good reputation in amateur transceivers for its noise blankers' effectiveness against "Woody." While this noise blanker does chop the top off "Woody," it is not exceptional. Let us recognize here that "Woody," due to his signature, IS a tough cookie to break. (I am pleased to see in this vein that AEA has finally come out with a "Moscow Muffler" -- an RF "Woody" blanker which triggers not on the signal itself but on an internal 10 Hz clock -- in other words, a synchronous blanker. This concept was covered at length in a series in Ham Radio magazine in early 1982 by Nichols.) I would add that the ICOM blanker takes almost nothing off power line noise, but it does a creditable job against 'traditional' noise sources.

I find the S-meter quite inaccurate below S-9, and quite accurate above S-9 in 10 dB steps. This is more than bearable -- most S-meters are wacky, and the ONLY accurate S-meter I have ever seen that is usable and accurate is the meter on the Drake R7A.

The RF preamp offers 15-20 dB gain at all frequencies, even LF! The preamp works well, and most significantly, does not seem to introduce any significant intermod, or spurious third-order products in day-to-day use, even on the AM BC band. The attenuator offers about 20 dB when selected, and if you are only going to have one attenuator available, 20 dB is as good a choice as any. My R7A has no attenuator.

This receiver has an IF-Out! Thank the Lord! Drake left it out on my R7A, and claims no one has ever complained (except me). BUT -- the IF-Out is at 70 MHz. This is good and bad for me -- my scope only works up to 5 or 10 MHz. However, the output is designed for panadapters, and most panadapters work up to 70 MHz or so. In any case, 70 MHz is the first IF, and the IF signal up there is still broad enough in bandwidth that it's useful to scan for nearby signals.

I have been saving the best for last. We're now talking dynamic range, ultimate selectivity, spurious responses, and images. First, there are no IF images, as is true of most modern upconversion receivers. There are some birdies from the local oscillator chains and synthesizer, none really serious. There are a few weak carrier-type birdies detectable on the 0 and 1 MHz bands with the antenna disconnected and a 50-ohm load at the input. However, none of these are noticeable when you hook up any ordinary antenna, even on a very quiet day. On all MHz bands there are a few 'blip'-type birdies, the kind that seem very narrow; you can hear a weak sharp blip or click as you pass them, but you can't actually tune them in. In several spots in the receiver range there are whole combs of a dozen or two very weak birdies spread over 9 kHz or so (the blip type) but in actual use, tuning even weak signals, they cause no problems whatsoever. The little clicks can take you by surprise in places until you get accustomed to them.

Overall, regarding birdies, the receiver is much cleaner than I would have expected considering the price range and the fully-synthesized nature of the local oscillator.

In actual use I never had any problems with spurious response -- that is, signals popping up where they don't belong. The owner's manual simply states that spurious response is below 60 dB, and does not give a dynamic range at all. I can tell you that this is one of ICOM's best features. This receiver is remarkably resistant to overload, strong signal gain compression, third order products, and other nonlinear responses when working day-to-day with strong signals of all types. To be honest, I have not found one case of IMD or spurious products yet. As for general coverage receivers, the only other receiver I have used at this location that is capable of that is the Drake R7A. In other words, this receiver is almost "scrunch" proof -- remarkable at the price! What amazes me is that this performance follows through even in the 100 kHz to 500 kHz range -- where most receivers fall very short on front-end preselection and overload from strong BC band leakthrough.

Not only does this receiver preserve phenomenal sensitivity and gain in this low range, it is still totally free of spurs and IMD products down here. I would point out that many current receivers nominally designed for this range in the under \$1000 bracket not only exhibit atrociously low gain and lousy sensitivity as you go below 500 kHz, but they still manage to show terrible spurious response unless aided by filters/preselectors. No BC band garbage on Longwave -- even with a high-gain broadband active whip as the antenna -- and all this with phenomenal sensitivity -- A miracle! Only my Drake R7A equals that, and you would expect it to for the price.

It's even more of a miracle when you consider that there are no bandswitches to turn and no preselectors to tune on the ICOM. I must admit that when I first saw the schematic I was scared to death by all the PIN diodes used for remote DC-voltage-controlled switching of everything from front end bandpass filters to IF filters to preselector switching. There are about a hundred of these PIN diodes, and unless used in a properly designed circuit and well-biased, they can be a disaster. They can be a source of feedthrough, and unintentional nonlinear operation and mixing. No so with the ICOM. Remarkably clean, even when faced with very strong signals. Even with the 20 dB preamp on I have never seen the ICOM overload or create spurs in day-to-day use. ICOM has addressed some of the worst problems of receivers in the under \$1000 range and done a great job at it.

Audio is very clean in all modes: very good quality audio, much better than most communications receivers. Internal front panel speaker is more than adequate for normal listening, and is what I use day to day. I can't even suggest any audio improvements. There ARE two rather novel front panel controls on the IC-R70. These are the audio tone control, and a squelch! Both struck me as unusual extras. The audio tone control is VERY effective, and this, unaided, can often eliminate QRM or QRN. It has a wide range of action, and although new to me, I now cannot do without it. It almost removes the need for the 'sophisticated' external audio filters, even in rough reception conditions.

The squelch was new to me, too, and it works fine. It's the same squelch you find on scanners and business radios. I will admit that I never use the squelch -- I just can't get used to it. I prefer to hear the background noise when tuning for signals, and even when monitoring a channel. I feel the 'noise' offers many clues about weak signals, band conditions, and nearby signals -- and that these clues are a very necessary part of using a receiver such as this. I can see the need for squelch, however, for single channel monitoring, and for tuning for stronger signals. I should mention audio power is rated more than two watts -- more than enough for any speakers in my shack.

As I said, this receiver has very good sensitivity right down to 100 kHz. As expected, on MW and SW this receiver is HOT. Any particular location or antenna problem can be helped by the preamp. Although hot, this receiver did not overdo it in the gain department on MW and SW, which separates it from so many of the cheaper receivers. Up to now, critical decisions about receiver performance and utility have been based upon 'sensitivity' (of which most receivers have too much). In reality, the criteria which select a good receiver are nearby signal selectivity (i.e., selectivity at 1, 3, 5, and 10 kHz away from your desired signal); freedom from spurious response (i.e., audio from three local AM signals showing up at some weird spot such as 7.932 MHz.); and ultimate selectivity (i.e., how well does the receiver reject strong signals anywhere in its range while you're listening to your favorite signal). PBT and notch are also desirable.

To overcome the wide AM filter problem, the excellent stability of the receiver suggests use in exalted carrier mode, although I intend to replace the AM filter in any case.

Overall, I feel that this is a fine receiver, and one well worth the price. I will go further and say that it is better than any modern under the price class of the NRD-515 that I've ever used, and I've used quite a few. My favorite features are the stability, CPU-assisted rapid tuning, VFO memories, the little 'extra' refinements, and the phenomenal dynamic range. Obviously, it did not live up to the very rigorous and demanding specs of my R7A (except stability and ease of rapid tuning, where it exceeded the Drake), but then again it lists at less than half the price of my R7A package, and is worth every penny of its \$750 list, and then some.

For really tedious weak signal work (in any mode), or when tuning near powerhouse stations for very weak, QRMed stations, nothing can beat the Drake. But for MW or SW tuning for a majority of desired signals, even fairly weak or moderately QRMed, I prefer the ICOM. It does the job, and it is just as easy to tune.

END

Vincent Pinto (11/25/82)

(Editor's note: this article was slightly edited for content and length)

# TECHNICAL TOPICS

ED C. SHAW

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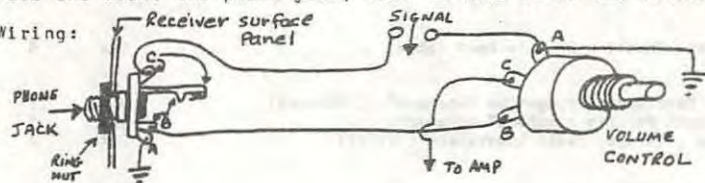
## HOW TO USE YOUR RECEIVER AS AN AUXILIARY AMPLIFIER

All receivers can be simply wired to allow use of the audio amplifier section for auxiliary uses, particularly bench experiments from this section in past and future FRENEX issues.

Needed: 1 - 3.5mm (1/8") phone jack (short-circuiting type) and bell wire.

Basic Task: To locate a suitable panel surface on your receiver to drill a hole and mount the phone jack, then to wire it to the volume control.

Wiring:



Description of Operation: In normal operation, the detector output signal of your receiver travels to Tab and Leaf C of the phone jack, which touches Leaf B and exits thru Tab A on to the volume control and then to the amp.

When external phone plug (mike or other input) is inserted into jack, Leaf B is disengaged from Leaf C, thereby isolating the radio's signal. The mike plug tip touches B, and signal goes directly to the volume control.

Suggestion: Make the photo transistor described in October FRENEX (Pg 10) and perform the modulated light experiments. An out-of-doors horn speaker fed into the jack will enable you to monitor what's going on out there and not be observed.

## FOR TECHNICIANS ONLY - Which way does the current flow?

For years, the controversy has raged. Does current flow in the Positive direction or the Negative direction? We can help ourselves learn the answer by first asking...the flow of what? Well, the stuff that makes the filament burn is a flow of very real atomic material called electrons. Upon micro-micro-microscopic examination, we observe a wire as a solid rod of copper atoms, the electrons whirling around in orbits from one nucleus to another, forming intricate figure 8's and so forth. As the electron moves, it leaves a hole behind, immediately filled in by another electron behind it, and so it goes. Would you believe that in a blink of the eye, all the electrons (the real, atomic particles) in our household wiring, in the street wiring, and generated at the sub-station and dams have circled thru our receiver? Flow of electrons is merely the movement from where there are many to where there are less electrons....and electrons have a Negative charge. The seeming movement of holes in the opposite direction would seem to be a Positive movement. We can stop the flow of Negative electrons by placing a diode barrier in the way.  $\Rightarrow \text{No Pass} \Leftarrow$  By reversing the diode position we will again let the flow pass.  $\Leftarrow \text{Pass} \Rightarrow$ . Thus, it is easy to see why the symbol for a diode is like an arrow butting into a wall...no pass this way.

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By David K. Maxfield, INDEXer

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JANUARY 1983

# Listeners Notebook

GLENN HAUSER, Box 6287, Knoxville, TN 37914

**NOTE FROM THE EDITOR:** Thanks to those who expressed an opinion on the experimental 'disorganized' format last month. Any abrupt change is likely to spark controversy, and this was no exception. It will probably astound those who found it totally useless to learn that there were others who not only accepted but approved of the new format. However, with the new stricter policy about what goes into LN, I believe I will be able to resume and continue the alphabetical format. I had the additional problem last month of racing the clock to complete LN before I had to catch a plane. Some of my long-term misgivings about how much time I spend on DX/SWL matters at the expense of my personal life also surfaced in my further comments, which I am informed led to further misunderstanding. Any person's time is her most valuable asset--what else is life?--which is why I referred to "spending entirely too much of my valuable time..." Some took "spending" to mean "wasting". Believe me, if I had meant "wasting", that's what I would have said--except I would have quit long ago. My time is valuable to me, yet some took this to be an insult to fellow editors, as if I were saying my time is more valuable in some absolute sense than theirs is--something I certainly did not say, and did not mean to imply.

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**AFGHANISTAN** R Afghanistan DS, Kabul, Pgm I in Dari & Pashto 0125-1930: 0125-0500 on 9595 7235 7200 4740 4450 3965. 0500-1000 21460 17720 7200 4740 4450 3965. 1000-1130 7200 4740 4450 3965. 1130-1230 21460 17720 7200 4740 4450 3965. 1230-1330 7200 4740 4450 3965. 1330-1430 7200 4740 3965. 1430-1930 7200 4740 4450 3965.

Pgm II (plus ES for neighbouring countries) 1000-1700: 1000-1030 EG 21460 17720 6230, 1030-1100 Pasha'i 21460 17720 6230. 1100-1130 Nuristani 21460 17720 6230. 1130-1230 Turkmen 6230. 1230-1330 Urdu 11960 9550; Uzbek 6230. 1330-1430 Urdu 11960 9550 6230 4450. 1430-1630 Pashto/Dari "Voice of the Homeland" 11960 9550 6230. 1630-1700 Baluchi 11960 and 6230. (WBI 25/11)

On 30/11, an SSB feeder carrying R Afgh DS pgm I in DR/Pashto obs on 19637.25 USB, 0745-1600+ f/out; last obs 11/5; untraced morn of 1/12 (WBI 2/12)

Pgm II obs where they disagree with the above: 1130-1200 Uzbek 6230 17720 21460. 1200-1230 Turkmen 6230. 1230-1330 Urdu 4450 9550 11960. 1300-1330 Baluchi 6230. [No 1630 Baluchi] (Victor Goonetilleke, Sri Lanka, UADX Oct/Nov/Dec--congratulations on 100th issue!)

Indeed, 1300-1330 6230 carries Baluchi, which does not resemble Urdu at all--not a word. Then at 1330 6230 joins Urdu service 11960 & 9550. All three xmtrs 1630\* (Taher Aftab, Pakistan, UADX)

**ALGERIA** AR stn on 9498 hrd irreg since 20/11 from 2000; 2/12 hrd w/"La Voix de Sahara Libre" 2203-2257\* in AR & FR. Not sure if Algeria (Ernie Behr, Kenora Ont)

On the AR pgm, R Constantine's local pgm can be hrd Sat 0800-1100, and R Oran Wed 0800-1100 (Keddouri Abdelhakim, Algiers, AWR DX 24/10 via DSWCI)

R Algiers EG 2000-2030 D82 sked on 9160 15160 15215 15370 (Ian Baxter, SDG) Well, that eliminates four possible fqs, hi; probably meant 9610 (gh)

**ANGOLA** R Nacional, 9535, has SP pgm & Cuban mx 2030-2130 daily; hrd 2131-2200 w/FR "LV de Sahara Libre" Wed & Fri; "V of Palestine" in FR same time Tue & Thu; seemed in EG Sat 4/12, but Sun & Mon only mx from 2130 (Ernie Behr, Ont, 10/12)

R Nacional, 11955, mixed mx bag to 0530 ID, 13/11, and "Programa A"; then songs about Angola, comment on death of Brezhnev; SIO 343; BBC off all this time, but back on in mid-

sentence 0553, smothering RN (John Wilkins, Wheat Ridge CO)

Update on current regional activity; stns not mentioned continue to be hrd as listed previously. Em. Reg. de Benguela is also hrd on 5040.5 // 6151.8. Em. Prov. da Lunda is unhrd on listed 4860. Em. Reg. do Kuando-Kubango is hrd using listed 4780. Em. Prov. de Moçâmedes is reported to be the one on 5014, ex-5100. Em. Reg. do Huambo which was also reported on 5013.5 is unhrd on listed 5060. Em. Reg. de Cabinda, which had been hrd on 4970 (ex-5033) has now been hrd irreg on 5212.8. Em. Prov. do Moxico now hrd back on 5191.5. Most of the regional stns are often off the air, mainly due to power cuts and xmtr problems (Vashek Kofinek, South Africa, via Nov DSWCI SW News)

ARGENTINA RAE ancd 27/11 that on 29/11 & 30/11 it'd bc on 9690 & 6060 only, because alterations were being made to a xmtr (presumably the one on 1710 --BBCMS ed). RAE, however, would return to normal fqs and sked from 1/12 (WBI 2/12)

AUSTRALIA FR3 pgm in FR to Antarctica (Adelle Land), hrd via Lyndhurst 15240, Fri from around 0430 after RA's own pgm ends. Nx of departures to/from France, etc., to 0445 close. Has been on the air 10+ years, per RA FR dept! Is aired via RFI the preceding Mon or Tue, so may also be the unID FR3 stn on 11880? (Geoff Cosier, DUDXS 5/12) more, LMI

Just received word from Keith Smith at RA that Darwin will be reactivated sometime in 1983. He did not specify if SW; I hope so: it's the only Aussie SW site I have not verified --typhoon got to it before I did, hi (John Meyer, Kellnersville WI) Yes, definitely SW (gh)

AUSTRIA Last Minute Information, see BANGLA DESH EG spelling of Dacca has been changed to Dhaka to bring it closer to the way it sounds in Bengali. For the HS, 3240 now 0000-0215 & 1325-1730. Other outlets hrd regularly are 4890 0000-0305, 6145 1030-1315. 9580 & 7220 untraced tho in recent sked. With MW expansion, I wonder if they have removed old xmtr which was drifting all over the place. Monitoring the HS has never been easy. Most outlets either e/out early or f/in late (Sarath Weerakoon, Sri Lanka, UADK)

Advice from stn on correct addr for reception reports: Research Engineer, Directorate General, Radio Bangladesh, House Number 36, Road Number 3, Dhanmondi R/A, Dacca 5 (RA DK)

BOLIVIA R Santa Ana, CP83, "La Voz de Yacuma" desde El Beni, has been hrd on 4887 to about 0200\* variable. Reply from Sra. Delicia apologizes for delay due to calamitous rains. The former director had been away for months, finally turned the stn over to her in mid-Oct. She gives sked as 1200-1600 & 2230-0230 on 1 kW Bol-built CONTEL xmtr. Also says they are planning to move to 4805 from 4885, reports wanted. That will be the same fq as R. Frontera del Yacumba, but perhaps even swap, getting off R. Sararenda fq! Stn's latest activity dates from May 1982 (Ralph W Perry, Eulless TX, via Radio Nuevo Mundo, Japan) more, L M I

R Norte de Montero, 4934, runs a max 1500 watts from locally produced "Industria Nacional" xmtr, feeding dipole some 15m off ground. Often hrd around 1000, but R Tropical, Peru makes it difficult. R Norte takes the award for the most extravagant letterhead in the SW world; it features a red "Radio Norte" with a blue smiling microphone holding yellow hat in red arms, a purple house perched on green lawn next to green trees and a field of golden wheat!

Has been on the air since 1967, from capital of Obispo Santistevan Province, 54 km from Santa Cruz; the province w/greatest agricultural potential, per director Leonardo Arteaga Ríos who says sked is 1000-0300 on 4935. I've often hrd R Norte w/education pgming in early morning, seemingly called "El Maestro en Casa" (ibid.)

BRAZIL R Tamóio, 9610, strong 19/11 from 2200 w/"Voz do Brasil", // R Nacional 9705. Tamóio was inactive on SW for at least a sesquidecade, hrd often in 1950s on 9610 (Behr, Ont.)

I've been hearing R Guaíba from Porto Alegre RGS, on 11785 around 0400 for the last week. Format is low key w/groups of songs, back to back w/ads and ancr interspersed. Often QRM on 11790 (Christopher A Smith, Stratford CT, 7/12)

BULGARIA R Sofia on new 11720 0400-0500 EG as well as 7115; 11720 not sked (Cushen, SDC)

CAPE VERDE I've been monitoring 7154/5 daily since 17/11. Em. Oficial hrd only 3 days out of 15 (17, 23, 24/11), w/usual pgm; 17/11 hrd to 0901\*, always SIO 222; s/on  $\pm$  0735; ham and/or BBC QRM. Budapest QRM on Sat/Sun on 1755 (John Wilkins, CO, 1/12)

When I first thought I'd IDed it as A Voz de São Vicente, I had sent a querying report. Result was a QSL card acknowledging my rpt (w/appropriate parts of card filled in to say they did confirm my rpt, and it was 'totally correct'!). Maybe a friendly auto verifier, or maybe is them. Old card gave 3950. It has been suggested to me by UK DXer Mark Warner that the ID I hrd may have been A Voz de São Tiago, which is the island where Práia is located. Would fit, I must say. But has anyone had any more definite luck on this? Like a positive letter, rather than a card?! Help! (Geoff Cosier, Australia)

CHINA Letter rxd from R Peking says from 1/1/83 stn is officially renamed R Beijing, four years after city itself changed to give listeners time to get used to it (Nolan Stephany, Williamson NY) The first syllable is pronounced with falling/rising tone; second syllable with high tone; let's try to get it completely right (gh)

New Beijing Municipality Stn regular on 6290 \*2230 w/instr EIR, then own mx. Off around

2256 after melody on gongs. No eve xmas noted here so far, nor noon--but impossible due to propagation. ID is "Beijing Guangbo Dianti" (BCIng Stn of Beijing). Will they QSL direct?? Let's hope. (Willi Bernok, West Germany, UADX) S/b possible in NAM, short-path (gh)

RP Taiwan svc, pgm I, 3360, \*1000-1800\* even tho latest sked shows all night! (DUIX\$)  
CPBS Peking ancd that DS Pgms I & II'd be bc from 9/11 on these SW fqs: Pgm I: 17605 0103-1000, 15590 0030-1130, 15550 0033-1000, 15510 0003-1200, 11785 & 11735 1100-1400, 11610 2323-0100 & 1003-1200, 10245 2303-0100 & 1100-1400, 9800 & 9080 1100-1733, 9064 2000-1733, 7935 2000-2300 & 1203-1733, 7525 2000-2300 & 1403-1733, 7516 2000-2300 & 1100-1733, 7504 2000-1735, 7440 7335 7095 6110 all 2000-0100 & 1100-1733, 5915 2000-0100, 5860 2000-0130 & 1100-1733, 5320 2000-0030 & 1003-1733, 4905 2000-2300 & 1403-1733, 4460 2000-0000 & 1203-1733, 3660 2000-2300 & 1403-1733, 3220 2000-2300 & 1318-1735. All of these are off the air 0600-0855 every Tuesday.

Pgm II: 15540 0003-1000, 12200 2333-1300, 11575 0700-1350, 11505 0003-1000, 11040 0103-1000, 10260 0700-1300, 9775 0700-1200, 9670 0700-1300, 8007 2100-2400 & 1303-1558, 7770 2100-1558, 7190 2100-2400 & 1003-1558, 6890 2100-0100 & 1003-1558, 6200 2100-0030 & 1203-1558, 5990 2100-2400 & 1353-1558, 5880 2100-2400 & 1203-1558, 5163 2100-2400 & 1303-1558, 5075 2100-1558, 3290 2100-2330 & 1303-1558. Above are silent 0600-0955 Tuesdays & Fri (WBI 18/11)

DS pgms in minority langs from CPBS Peking now hrd: 0030-0125 Uighur 15670 11375 3800 4735 3990, 0130-0225 Kazakh 15670 11375, 0400-0455 Korean 8566 6430, 0500-0555 Mongolian 8566 6974 6430 4010, 1000-1055 Korean 6430 4190, 1100-1155 Tibetan 15670 11675 7110 5995 4035, 1200-1255 Mongolian 7035 4190, 1300-1355 Uighur 8566 7035 5800 4735 3990, 1400-1455 Kazakh 8566 7035 5440 4970, 2130-2225 Korean 5145 4190, 2230-2325 Mongolian 6080 5145 4190, 2330-0025 Tibetan 15670 9900.

Recent anmt by Std Chinese svc of Xinjiang PBS, Urumqi, says it's on 7385 6120 4500 4330. On a Monday, XPBS can be hrd 2300-0200, 0330-0730, 1030-1730 (WBI 25/11)

PLA Fujian Front Stn bcs to Offshore Islands & Taiwan in Std Chinese & Amoy; Pgm I 1000-2400: 9540 1000-1330, 7850 1000-1530, 6765 1000-1530, 5900 1000-1700, 5265 & 5240 1000-1800 & 2210-2400, 4330 1530-2400, 4045 1330-2400, 3640 & 3535 1800-2210, 3000 1700-2400, 2490 1530-2400.

Pgm II 0400-1800: 11590 0400-1100, 9505 0400-1130, 7280 0400-1520, 7025 0400-1800, 6400 0400-1800, 6000 0400-1520, 5770 0900-1300, 5170 0900-1800, 4840 1100-1800, 4380 0400-1800, 4130 1000-1800, 3400 1130-1800, 3200 & 2600 1520-1800 (WBI 9/12)

R Peking [sic], EG to NAM shows addl fqs [probably feeders]: 0000-0500 10865, 0100-0300 17690. Despite R Peking's heavy ES sked, there remains a total break (except perhaps Russian, not shown here), at 0500-0830, that's 1400-1730 local--for traditional siesta? Complete RB Esperanto sked: 1100-1130 9860 7315 6825, 1300-1330 15165 11685 8260 4130 [note these last two harmonically related], 2000-2030 9965 9365 7470 6825, 2230-2300 11685 11515 11430 9860. (WBI 9/12, comments from gh)

unID, USSR? 5151 YL talk in RS 1012-1020; tuned away for 1 min, and stn gone when tuned back at 1021; this on 13/11; also 17/11 suddenly switching to 5141 at 1029; here till 1055\* w/oriental orch mx, OM/YL talks; 1055 ID sounded like "Govorit Viktor [probably Pekin-gh] Radiostantsiya"; then chime IS & off; also 20/11 on 5151 jumping back & forth 5151/5149 at 1054-1056\*, 5141 not hrd (John Wilkins, CO) David Newkirk, RIB, says it's Beijing (gh)

COLOMBIA On 4915, tent. R. Capital, name uncertain, \*1012-1047 4/12, opening w/tango, 1016 s/on w/birdsounds in background. Ranchera mx, comments; ancr had very quiet voice, so difficult to pick out significant comments. Subsequent attempts to hear this were fruitless (Chuck Bolland, Lakeworth FL)

New stn on 4915, good signal! 2/12 & since at 1013-1036; Name is Emisoras Armonía por el Caquetá; SP pgm w/prayer, ID by M at 1016, requesting input from campesinos. Stn is in Florencia, seemed to annc 970 & 4915; low-key type pgm w/vocals; played "Lara's Theme" before and after ID (Chris Lobdell, MA, 5/12) Congrats on your discovery and ID! (gh)

COOK ISLANDS RCI, 11760, now to 0830\*v due to DST there now (Geoff Cosier, Australia, DUIX\$)

CUBA Since 8/11, RHC ES in SP to Ams obs on these fqs [many of them new -gh]. 0000-0050 on 17760 17705 15335 11970 11760 9770. 0050-0200 17760 17705 15335 11760 9770. 0200-0245 17760 17705 15335 11760 9770. 0245-0300 17760 17705 11760 9770. 0300-0600 17760 17705 9770 6020. 1100-1645 17880 17760 17705 11760 9545, 1645-1830 17880 11760. 1830-2050 17880. 2200-2300 17760 11970 11760 9770. 2300-2400 17760 17705 11970 11760 9770 (WBI 18/11)

ECUADOR R Bahaf, 4995 \*0002-0300 3/12, IS' then pgm of vocals & guitar mx. Very weak thru-out so couldn't get ID; OM/YL ancrs (Chris Lobdell, MA) 4995.7, R Bahaf, 0224-0243 11/12, SP M & girl, steady mx, ocll TC by girl; ID by M at 0239; fair (Chuck Bolland, FL)

[Cf Nov 12N]. Am listening to soccer on R Quito, 4920 as frequently Ided, so I blew it on the name change; very sorry. Also IDs as "LV de la Capital" (Chuck Bolland, FL, 5/12)

R Paz & Bien, 4819.7a, class mx 0853-0906 NA, 0909 s/on, pgm rundown; 0915 religious pgm "Amanecer Andino"; 13/11 & other mornings w/same format; ute QRM (John Wilkins, CO)

Ondas Quevedeñas, 3325, 20/11 1013-1045 long mx pgm, ads, comunicados all mixed together; slogans incl: "OQ, la emisora más popular del pueblo ecuatoriano", and "OQ, en todo el territorio nacional"; bad ute QRM, best on LSB; ute gone by 1040 but by then OQ deteriorating & co-channel stn (Quat?) improving (John Wilkins, CO)

EL SALVADOR Panama City news agency ACAN in a 17/11 report IDed the stn which had been QRMing R Venceremos as "R Soberanía" [Sovereignty]. Said lang used was similar to that of RV and might cause listener confusion (WBI 2/12) Previous press reports referred to it as "R Reorientación" and "R Orientación" (gh)

FALKLAND ISLANDS FIBS audible on 2370 for almost an hour from 2350 t/in 18/11. Until 0030 request pgm w/male DJ. 0002 female anc inserted ID, believed for BFBS. Play began at 0030. This was second best FIBS reception ever observed at SWNS HQ; geomag condx were unsettled to quiet (SWNS 19/11)

FRANCE France-Inter reported there'd be a strike at R France 0800-1630 18/11, called at initiative of nearly all trade unions, protesting reorganization of French radio currently in progress. 18/11, RF DS bc mx and limited nx instead of sked pgms (WBI 25/11) France-Inter reported 24/11 that a strike at RF called by Public Service & RTV Trade Union Fedn'd take place following day. Limited svc of nx & mx was again bc by FI 25/11, like 18/11, and end of strike ancd at 2300. FI also said strikers started being "a pirate pgm explaining reasons for work stoppage" 1730 on RF but had been "taken off the air" on instruxions from Dir-Gen of FI. Added that MinCom 'reacted vigorously to non-bc of midday TV nx, which was contrary to both instruxions by him to Dir-Gen of TF-1 and Antenne-2 and the 29/7/82 law which provides for a minimum pgm in case of strike'. Addl FI reports incl issuing of a further strike notice 3/12 by TUF, later cancelled by RF trade union. TU however 'made it clear that campaign of RF staff had not been brought to an end but that from now on, it would take a different form' (WBI 9/12) more, L M I

GABON Commercial stn Africa No. 1, Libreville, xmtrs in Moyabi, all pgms in FR, apx fq usage: 15200 0600-1700, 11940 0500-0600 & 1700-2302, 7200 0500-1700, 4810 0500-0800 & 1700-2302. Nx or nx heads at: 0500 0600 0630 0700 0800 0900 1000 1100 1130 1215 1400 1500 1600 1700 1800 1900 2245 (WBI 25/11)

GERMANY EAST DDR Ferienwelle, ID & mx, 17/9 1045 on 7029 (Gerhard Jensen, W Germany, Nov DSWGI SWN) Believe summer-only pgm for tourists, thought LW/MW/FM--how come on hamband? (gh)

GREECE Since \*0345 15/11, Greek armed forces radio stn YENED has been calling itself the "ERT-2 radio network" (Greek: Radiofonikón Dhiktión ERT-Ohio) (WBI 18/11)

ERT reported 6/12 that Greek Comms Ministry'd acquire centre in 1983 for checking radio fqs, costing 300 megadrachmas, to be used 24h to aid in immediate location of illegal radio stns (WBI 9/12)

GUAM, L M I

HONDURAS El Eco de Honduras, San Pedro Sula, 6000 kHz in SP, carrying R Variedades pgm 1109 -1211 21/11; ranchera mx, barnyard noises, ads, TCs, dedications; 1211 ID as per last month's LN; SID 322, PLA QRM (John Wilkins, CO)

R Havana ES in SP 21/11 reported members of "Lorenzo Zelaya Revolutionary People's Command" (LZRPC) had seized R San Pedro in northern Honduras (BBCMS ad note: presumably the SPS stn on 850) the previous day and had bc a communiqué over it (WBI 2/12) AFP reported 4/12 from Tegucigalpa that guerrillas of LZRP Front had occupied R (?P) in Tegucigalpa (BBCMS ad note: listed on 1120) previous day and bc a 15-min political communiqué (WBI 9/12)

INDIA AIR reported 17/11 that all strikes in AIR & Doordarsan (TV) had been prohibited "in the public interest". An order to that effect had been issued that day by Central Govt under the Essential Services Maintenance Act. It prohibited strike in every svc in any establishment of AIR & TV, as well as in any installation connected w/them. AIR reported 18/11 that some employees of AIR & TV had been arrested under the Act. An offl spokesman said all AIR stns were functioning normally (WBI 25/11)

AIR ES in EG: 2245-0115 EAs & SEAs 7215 9605 11765 15110; NEAs 15330 11900 17865. 1000-1100 NEAs 15350 17387 21695; ANZ 17875 15205 17705. 1330-1500 SEAs 11810 15335. 1745-1830 WAs 11620 9595. 1845-2230 UK & WEU 11620 9665. 2000-2230 EU 9912. 1800-2000 EAF 11830 and 15265. 1945-2045 W&NWAf 9755 11865. 2045-2230 ANZ 11755 15110 9912 (UADX) more, L M I

INDONESIA The IS Young hrd on Banyuwangi 3504 at 1400 is in fact RRI Surabaya's IS for the 1400 East Java nx; that is also why after 1400, pgming was // to 'other Javans'--East Javans, I hope, only, hi (Geoff Cosier, Australia, DUDXS) Latest issue of DUDXS includes survey of 2000-4000 kHz including many Indos, e.g.: unIDs on 2810/2, 2815, 2820, 2826, 2830, 2833, 2844; between 1030 and 1500--maybe this is a new Indo band! (gh)

IRELAND, L M I

ISRAEL V of Israel EG: 0000-0030, 0100-0125, 0200-0225 on 11655 9815 7410. 0500-0515 on 21710 17685 15485 12025 11637 11610 9815 9420 7465. 1200-1230 25640 21760 21625 21495 17685 17630 15605 15585 15485 7465. 2000-2030 17685 15485 13745 11960 11637 9815 9420 [reported to have moved to 9440] 9009. 2230-2300 17630 15585 13745 11960 11655 9815 (WBI 25/11)

Hebrew Home Service, Reshet Bet to Eu & Nam: 0400-0615 13725 11655 9890 9385. 0615-1200 25605 17630 17585 15615. 1200-1400 25605 15615 15105 13725. 1400-1630 15615 15105. 1630-1800 15615. 1800-2310 13725 11610 9890 9385 (ibid.)

**ITALY** Radio 101, 6221 kHz, 1/12 0349 F u/SSB ute QRM, soft rock/pop mx. M DJ and "101 Radio" but no location. Covered 0359 by LV de Sandino. 6/12 0245 DJ ancing in EG as "R 101 FM". Suspect euroirate relay of FM svc; mx unlike that hrd locally. All IDs and jingles were in EG, no ads; later partial ID hrd as "R --- International" (William J Martin, Wilmington DE, 6/12) 6221 unID per SWL Digest tip, 13/12 0358-0445 no IDs noted, but QRM from utes made reception less than easy; light mx format (Gerry Bishop, PA, 13/12) R Milano International is the full ID of the stn on 6219, hrd most every eve as early as 2300; probably 24 hours. Many IDs as "Radio 101", "101 Stereo", "FM 101" with several clear IDs as R-M-I-. Fq sometimes covered by SSB utes or Sandino. No addr or other stn info hrd. Format is non-stop EG pops w/pre-recorded IDs; sounds like automated US FM Stns. See Nov RIB p 17 for address (Bill Martin, DE) 16/12 0726 ad in Italian for Vagabond Jeans, 0730 & 0734 EG IDs as "101 Radio"; pop & rock (Bishop, 17/12 on 6221) R Milano Intl hrd 20/11 0640-0725 f/out on 6221, tnx Bares tip. Basically non-stop mx to 0700, Europop-disco, anmts in IT after that and one in EG "...in Milan, this is R Milano Int'l, non stop mx on 101 FM..." Fair sig but hvy occl QRM from riverboat t/c (Scott McClellan, Battle Creek MI, 13/12) RMI-FM 101, tent on 6221a, 0432 13/12, mostly mx & occl brief EG IDs by M. Certain about the "FM 101" part but rest of ID is tent. Clearest ID was "FM 101. Non-stop music. It's Radio (Milano) International!" On past 0555, also hrd several other nites. Rather strong, but lots of USB marine QRM. Perhaps their deal w/World Music Radio fell through and they decided to produce their own pgming (Bob Streeter, Schenectady NY) 6221v23, FM 101, sounded like R Maine Int'l, 0415-0500 when ID, 12/12; no QSL addr hrd (Frank John Petrick, Endicott NY) more, L M I

Something very interesting on 6275 each night 0200+ w/pops and short IDs, believed to be in IT. No positive ID here yet, tho believe IBC has been reported on fq. Seems to be improving in sig strength each nite, much like R Dublin several yrs ago. Flash! Just got EG ID 0300 tentatively Radio Pace (phonetically "Pachee") with clear QTH mentioned as Florence, Italy (Wm J Martin, DE, 6/12) The IT on 6275 hasn't been hrd of late, 11/12 & 12/12 (Martin) IBC, tent them on 6274a, 0652 6/12, mx pgm hosted by M in presumed IT. Could not catch EG ID 0702 but did hear "...6.275...and North America on 11.585 MHz..." Faded shortly thereafter during pgm of mostly talk, occl brief bits of mx, infrequent songs. Still bits of audio past 0730, P-VP (Bob Streeter, Schenectady NY)

A new pirate, Radio Tye [sic], Florence, 6270 has been hrd around 0630 w/pop mx, anmts in IT & SP. First noted by Steven Greenyer and since hrd irreg (Arthur Cushen, NZ, SDC Dec) Probably IBC relaying Radio Time (gh)

Per talk w/engr of South-Tyrolian private stn Freie SÜdtiroler Welle FSW, at Theaterplatz 21, I-39012 Meran (BZ), they plan to intro fq in 49mb. Condx are that they get offl permission and have enough money. FSW was first German-only priv stn in S Tyrol. Now active only on VHF 87.5 92.5 93.8 100.7 103.6 103.9 (Thomas Rosner, Germany, Nov DSWCI SW News)

**JAPAN** From the DUDXS 2-4 MHz survey, info on NHK regionals: 3970 NHK Matsuyama 0845-1100 & 1200-1500; 3970 NHK Sapporo 1100-1200, weaker than Matsuyama here. 3607½ Hiroshima 0915-1000\*; Kawaguchi unhrd. 3377½ Osaka 0915-1000 on occasions. 3259 Sendai 0900-1300\* (DUDXS 5/12) Also 6005 Nagoya f/in 0900 wrecking CPCK (Cosier, DUDXS) And 1025 in JP weak under Lanzhou [CHINA] (David Foster, DUDXS) 6130 Kumamoto, 1020 just squeezing thru HCJB as well as USSR HS (which was // 5970 & 5990) but before Vientiane f/in! (Foster, DUDXS)

**JIBUTI** I'd like to assure that they are very regular now, best 1600-1900. You can't miss that whaling choruses and regular drum beat (Victor Goonetilleke, Sri Lanka, UADX) 4780?

**KAMPUCHEA** Really surprised to hear mbg pgm on Sun EG 1200-1215 acknowledging reports. It is quite clear Phnom Penh is following a more liberal policy toward lit listeners. So, a good opportunity to QSL them. Remember to condemn Polpot a lot and praise Heng Samrin (Sarath Weerakoon, Sri Lanka, UADX) 9695 and 11938; QSL rxd (Willi Bernok, W Germany, UADX) HS is now hrd on 6090 only; amended SW sked: 2300-0000 (Sun 0130), 0430-0500 (Sun 0600), 1100-1430 (Sun 1430 [sic]). However 9695 used for FS midday 0430+ along w/6090. 7370v definitely off the air but can't confirm 7008 which is usually utecovered (Sarath Weerakoon, SL, UADX)

**KASHMIR AZAD** 6010 clear from 0030 when opening song "Vatan Hamara - Azad Kashmir" is played. 0045 ancS SW & MW fq, then Koran. No luck w/3670 at this time, tho I hear them during the night. 4980 & 4960v both hrd regularly here, 31/10 (Sarath Weerakoon, SL, UADX) UADX also has an extensive discussion of just where the AKR xmtrs may be, but this remains inconclusive (gh) Full sked of AKR Trankhel: 0045-0430 6010, 0600-0930 7165, 1200-1400 4960, 1400-1800 4980. (Taher Aftab, Lahore, Pakistan, UADX) Remember Nov-Mar \*0125 not \*0045 (Victor G)

**KENYA** 22/11 VOK reported its CE as informing MInfoBC, who was visiting VOK SW xmtr stn at Langata (Nairobi), that Kenya'd improve its radio reception in neighbouring countries w/in the next few months. Eqp for intended improvement'd already been installed and only awaited commissioning. Minister added he'd like to see radio reception improved both internally & externally (WBI 25/11) A masterpiece of vagueness (gh)

**LAOS** Noted a report in LR (I think) that had Vientiane off 6130, and on 6135! Not so. Laos still on 6130, but maybe the 6135 was actually Suwon, Korea HS? (Geoff Cosier, Australia)

MALTA 3/12, DW obs at 2045 on 7265 6000 1557 ancing "This is R D-W-, xmtr Malta", prior to sked 2045-2120 pgm in Maghribi (// 11785 9543 7105). Monitoring suggests xmtr site Malta has been in use since at least 2/12, tho unconfirmed until recent anmt above. The Malta site of 3 SW and 1 MW xmtr was operated by DW under agreement signed w/Malt govt in 1970. Aug 82, Malt govt enacted "Foreign Interference Act" and dispute ensued betw DW & Malt govt as to whether the new act affected existing contract. Since then, bcs from Malt xmtr site by DW, AWR, EBRA, Kandır Malta not obs. "Times of Malta" report 1/12 said amendment to FLA had been passed by House of Reps previous day, enabling DW to resume 2/12 bcs ceased 1/9 (WBI)

MEXICO R Huayacocotla, 2391, 0045-0107 11/12, nx of world, SAm, CAm, each item followed by a few bars of mx. Mentd R Martí and Reagan. ID & fqs 0103 as 2390; fair (Chuck Bolland, FL) Was their carrier on 2391, or did you tune up to escape QRM? Carrier fqs only should be given in monitoring reports. Digital readouts [not readouts as I slipped previously:] unfortunately encourage some listeners to report incorrect fqs, not necessarily you (gh)

LV de la América Latina, 9515, 11/12 1052-1102 love songs until 1059, ads, full ID, 1100 religious pgm; blocks Malaysia (Chuck Bolland, Lakeworth FL)

NEPAL R Nepal now on exactly 9590, strong 19/11 from 1600 w/NP HS, SAs mx to 1720\*v (Behr)

NEW CALEDONIA Nouméa, 3355, 0745-1100\* (Sat 1300\*), still runs all-night carrier (DUDXS) more NEW CALEDONIA, L M I

NEWFOUNDLAND CKZN, 6160 noted 7/12 1029 wx report for St John's, ID for Morning Show on CBN. First time in quite a while here; still looking for CKZU (Gerry Bishop, PA) Better at 0930, CKZN 6160, SID 444 (Bishop, 17/12)

NEW ZEALAND, L M I

PAKISTAN R Pak 1645-1915 WS to UK obs on 9460 ex-15545, // 11670 25/11. 1630-1730 TK obs on 17641 ex-17620 // 13605 27/11 (WBI 2/12) Latter incl EG 1650. First part of info was also given on the first BBC Waveguide pgm in Dec by DXer Gordon Darling, who works at BECMS, instead of by Richard Measham (gh)

Since 6/11 all Pak HS \*0125 and will continue until March \*0045. Noel Green had been trying to get R Pak out of the hamband 7010v 0100-0215, and now they have replaced with 7375. (Victor Goonetilleke, UADX) Am positive Peshawar 5735-50 is still relaying Dari despite my inability to locate this in 1300-1400 period. I'm convinced because of strong jammers that \*1600 on 5750v (Sarath Weerakoon, SL, UADX) Confirm Pesh still on, hrd 5732 1800\* when jammer went off a minute before; // 5095 Isbad (Victor Goonetilleke, SL, UADX)

From correspondence with RP (I tried to nail down xmtr site for 17660): As regards location of our xmtr, Rawalpindi & Islamabad are twin cities... wherever the xmtr are located, they are and as Islamabad, except for the two zonal ones, SW & MW of 10 kW. All tech monitoring reports to R Pak may be addressed to Malik Ali Choudhri, Deputy Controller (Research) PBC HQ, 35A Satellite Town, Rawalpindi. Then from a 2nd letter: "The xmtr you hrd is located in area under admn control of Rawalpindi Admn. In fact, all our xmtrs radiating ES are in Rawalpindi". Surely they can't mean that last statement (Jerry Berg, MA, via UADX)

PAPUA NEW GUINEA R West Sepik is one of the 19 Provincial Radio Stns run by the NBC of the PNG govt. In addn we have two natl nets, Radio 1, cultural, and Radio 2, commercial, both based at Port Moresby. No ads allowed on prov stns which are specially designed to cater for the village listener. Sked w/2 kW at 0500-0800 & 1700-2300 local (Raka Saini, Stn Mgr, RWS Vanimo, WSP, PNG, 4/10 letter to John M Wilkins, Wheat Ridge CO)

PERU Further listening to my R Andina tape reveals the name of the net is "Emisoras Cruz del Peru"--another non-ENRAD cadena (Ralph W Perry, TX, R Nuevo Mundo, Japan) Cf Dec LN-16

Peruvian nx agcy Andina via Yugoslav nx agcy Tanjug 17/11 said the head of the natl mass media system'd ancd that for the first time bcs from the Peruvian natl radio stns would be hrd throught the country and even abroad. Tnx to tech and financial aid from F R Germany, eqp and methods of produxion at state-run stns'd be modernized. W German tech mission'd come to Peru and'd stay a year. First stage of project'd start next year and'd incl modern radio stn in Lima and eight regional stns. Four megadm'd been granted for first stage (WBI 25/11)

PHILIPPINES MBS R, Manila, 3286, recently reactivated, 0945-1300\* // 6170 (DUDXS) 9673 DZCA hrd 1200+, F-P, pop mx, ID as "DZCA, Mahalika BCing System, Bohol Ave., Quezon City". Not DZFM which is on 6170 & 3286 (Seiichi Kiyota, Japan, DUDXS)

more SAIPAN, L M I

SALPAN Have been getting erratic test tones on 15190, 0600-0800, OCs, tones on and off in no particular pattern, no IDs; thought FCC required IDs during test format (Gerry Bishop, PA, 6/12) Nothing from KYOI has shown up on any listed fq (Bishop, 12/12) KYOI startup delayed from 12/12, per Japanese press reports (RN Media Network 16/12) KYOI definitely heard for first time 17/12 0630-0700 on 15190, IDs every 5 mins, TTs, fq, "Super Rock Yoi Radio", at 0700 ancd change to 11900, unhrd (Artie Bigley, Houston TX) And 18/12 0030 a fluttery OC on 15415 (Jim Conrad, IA, & gh) Hrd w/pgming on 11900 18/12 0830 (Bishop, PA) And 18/12 from 1328 t/in on 11900, rock, jingles in EG, ads in JP, "Rock & Roll from Los Angeles, USA"; some RMWS QRM co-channel; 1500 switched to 9670, took them a minute to make the change unlike WRNO, 1501 9670 was better, still hrd at 1600 w/ID as testing, and still in at 1735(gh)

SINGAPORE, L M I

SPAIN SFR's DX pgm should no longer be taken seriously; most of their tips are a joke. Some time ago they had R Noticias from Belize on 9460; 28/11 tips included R Nac Venezuela on 9555 & 11695, and V of Panama on 5995 in SP 1100-1400; wonder how many people believe this nonsense? (Ernie Behr, Ontario)

SRI LANKA R Monitors Intl highlights for Jan: 9th, BCing in Uruguay & New Year with RN, 16th, Iceland Radio & Sound of Iceland. 23rd Satellite Radio & Vienna Satellite Relay. 30th Montreal CBC & Taste of Ireland. Sked Sundays via SLBC 1100 11835 15120 17850; 1200 on MW, FM and lowpower 4940; 1330 on 9720 15425 (AWR Asia)

Complete SLBC SW sked, all xmtrs at Ekala; powers 10 kW on 60, 49 and 41m, 100 kW on 31 & 25m=11800, 35 kW on 25m=11835, 19 and 16m. 4870 S2 pgm 0000-0300 & 1000-1750. 4902 S1 0000-0230 & 0930-1755. 4940 E2 0030-0300 & 1100-1730 (Sat/Sun/Holidays 1030-1730) Tam1. 5020 T1/T2, T1 0000-0300, (Sports See 1100-1130), T2 1030-1230; T1 1230-1745. 6005 T2/E1: T2 at 0300-0430, E1 0430-0730 Sat/Sun/Hol. 6130 E2 0300-0330(Sat/Sun 0430), 0730-0930(Sat/Sun/Hol 1030). 6150 T1/T2 0300-0630, T2 0630-1030. 6185 S2 0245-1030. 7190 FS 0020-0430, 0630-1730 (Sun 0020-1730). 9720 FS All Asia EG 0030-0430, 1230-1600, Hindi 1600-1730. 11800 FS 0020-0430, 0630-1630 (Sun 0020-1630), Mid East 1645-1845. 11835/15120/17850 FS 1030-1130 EG /Sinhala/JP; 11835 ANZ, 15120 Japan, 17850 SEAs. 15425 FS All Asia EG 0030-0430, 1230-1600. S1, S2 = Sinhala; T1, T2 = Tamil, E2 = English. All "1" xmsns are non-commercial, "2" are commercial (UADX)

TANZANIA R Tanzania, 9749.0, hrd 5/12 1900 w/EG ES, ID & NA to 1915\*, weak but clear (Behr)

THAILAND In a report on the move of the Communist Party of Thailand (CPT) HQ from Pua district in southern Nan prov to the southern prov of Surat Thani, the EG-lang npxpaper 'Bangkok Review' stated 9/11 that the CPT radio which xmtd msgs in morse code to commie elements nationwide was believed to be still operating from the Pua stronghold on the Thai-Laotian border. CPT had attempted to revive radio bcs from mobile radio stn several times since cland V of the People of Thailand radio in s China was closed (July 1979 -BBCMS ed). Latest test bc known to Thai govt took place early this year, but trial opn far from successful. BC was barely audible as mobile stn had to move from one place to another to avoid being intercepted and it was not adequately powered. Also the ideological troubles plaguing the rank and file of the party, per Bangkok Review, would continue to obstruct CPT attempts to revive cland radio bcs (WBI 18/11)

UNITED ARAB EMIRATES Dubai RCTV hrd on new 9595 //11755, from 0230 AR, 0330 EG nx, since 5/12 (Ernie Behr, Kenora, Ont) Presumably ex-15300, just as well due to MUF & RHC (gh)

U K O G S A N I We wondered what happened to the satirical year in review "Two Cheers", missing from BBC Xmas specials, and are glad to see it sked instead for early Jan: Two Cheers for 1982, 4th 0030, 5th 0830, 1430, 6th 1030, per London Calling (gh)

Another no-show: R Apollo Intl, 12/12 test not hrd here; checked all fqz from Dec LN listing--NADA (Gerry Bishop, PA)

U S A AFRTS hrd again, w/ID, mx filler NBC nx 0410 on 6300 26/11 (Nolan Stephany, Williamson NY) AFRTS, presume VOA feeder, nitely on 6300, weak & fady, //strong 6030; 0630 & earlier to 0700\* w/VOA ID (John Wilkins, CO) I still unthink VOA/AFRTS would deliberate feed/bc on maritime band, and as I pointed out before, has matching spur same kHz below 6030 (gh)

WYFR recently noted w/pgms to Eu in 0600-0800 period on 9680 by Peter Bunn, 6065 by Bob Padula; extending xmsn hours beyond usual 0600\* (RA JP DX 12/12) Why not, they must have said, since we're on the air for VOPC until 0810 (gh) more, L M I

U S S R Radiostantsiya Tikhyy Okean pgm, monitored sked in mid-Nov, 0815-0900 slotted into regular Moscow HS pgms; produced by Primorskoe Radio, Vladivostok, for Russian seamen in Pac. Has 'sister' pgm prepared by Latviskoe Radio, Riga, 'Radiostantsiya Atlantika', also aired via RM xmtrs for seamen in Atlantic. Tikhyy Okean means Pacific Ocean; 'TO' sked is: 3995, 4050 SSB, 4485, 6020, 7175, 7210, 7260, 7493 SSB, 9580, 9810, 9905 SSB, 11815, 11910, 12070 (via Ulan Bator?!!), 15280, 17720, 17765, 17850, 17870, 21530, 21575, 21650, 21690, 16mb and 4485 the best here. Of course, there may be other fqz (Geoff Cosier, DUDXS)

Pacific Ocean R Stn, Vladivostok, 0815-0900 on 21530 17850 17815 17720 15130 15295 15280 12070 11910 9810 9795 9620 9580 (Sat/Sun also 9600 9500 7320 5940), Khabarovsk 7210, Yuzhno-Sakhalinsk 4050 3995, Petropavlovsk-Kamchatskiy 4485, + LW, 1315-1400 5015, 1930-2030 9810 9780 9735 9545 7315 7300 7160 6035, Vladivostok 5015 (WBI 9/12)

BBCMS shows a lot more fqz than are ancd, published in stn skeds, or hrd for the regional stn bcs in EG to NAM, Vilnius 2300-2330, Kiev 0030-0100 & 0300-0330, Yerevan 0355 [sic]-0400: 17870 17830 15295 15255 15240 15185 15100. Additionally: 2300 Vilnius 9750 9680; 0030 Kiev 9750 9685 7205; 0300 Kiev 9750 7205 7165 (WBI 9/12)

All Union Radio fq sked: Pgm I 0200-2200 for GMT+364 zones: AM: 12045 0500-1630, 11760 0800-1500, 9800 & 9775 0600-1400, 9760 0600-1100, 9540 0800-1600, 7350 0200-0500, 7250 0200-1400, 6095 0200-0600, 6000 0200-0500, 5945 0200-0500, 5910 0200-2200. SSB feeders: 17560 LSB 0500-1700, 6890 USB 0200-0500 & 1600-2200.

Pgm I Radio Orbita-4 0000-2000 for GMT+5&6 zones: AM 15140 & 11700 0500-1100, 11630 0730-

1500, 9490 0000-2000, 7420 0000-0400 & 1300-2000, 7380 0000-0700 & 1300-2000, 7145 0000-0300, 6115 0000-0900 & 1400-1800, 6080 0000-0300, 5900 0000-0400. SSB feeders: 20500 USB 1215-1500, 16330 USB 1400-1700, 16140 LSB 0500-1200, 16030 USB 0500-1200, 13820 USB 0400-1500, 9240 USB 0300-0500 & 1500-2000, 9210 USB 0000-0200, 8005 LSB 0000-0130, 6920 USB 0000-0300, 1300-2000.

Pgm I = Radio Orbita-3, 2200-1800 for GMT +7&8 zones: AM 15275 0500-0900, 11805 0500-1300, 11750 0300-1600, 9790 0300-0800, 9605 0300-1300, 7400 1200-1700 & 2300-0400, 7370 1300--1700 & 2200-0400, 7210 2200-0200, 7110 1300-1800 & 2200-0100, 6200 2200-0300. SSB feeders: 19845 LSB 0500-1500, 15480 LSB 0400-1500, 13380 LSB 0230-1400, 11575 USB 1100-1730, 8125 USB 2200-0300, 6825 LSB 1400-1800, 5470 LSB 2300-0300.

Pgm I - Radio Orbita-2, 2000-1600 for GMT+9 & 10 zones: AM: 15460 0100-1000, 12040 0000-1000, 11825 0200-1300, 7355 0800-1500, 6010 2000-0100. SSB feeders: 18285 USB 0300-1100, 17580 LSB 0500-1300, 15545 USB/DSB 0200-1000, 13540 LSB 1115-1330, 10690 USB 0200-1000, 9150 USB/LSB 1400-1600 & 2000-0230, 7925 USB/LSB 1400-1600 & 2000-0400.

Pgm I = R Orbita-1, 1800-1400, for GMT +11, 12 and 13 zones: AM 12070 0000-0800. SSB: 18830 LSB 0300-0900, 18460 LSB 0400-0800, 15535 USB 0300-1400, 15490 LSB 0300-1200, 9905 USB 0500-1400 & 0800-1100, 7390 LSB 1815-0400 & 0900-1400.

Pgm II, Mayak, continuous; AM: too numerous to mention. SSB: 22205 LSB 0600-1600, 19320 LSB 0500-1600, 18195 LSB 0500-1200, 12205 LSB 0500-1430, 9905 USB 1400-1800, 9240 USB 2000-2200, 9210 USB 2300-2400, 9145 LSB 0030-0330 & 1600-2400, 8125 USB 1800-2100, 8005 LSB 2315-2400, 7390 LSB 1400-1500, 6920 USB 2000-2300, 6890 USB 2200-0100, 6825 LSB 2300-0130.

Pgm III, 0400-2100; AM: 11690 0400-1600, 9570 0400-1600, 7440 0800-1600, 7255 1600-2100, 5900 0400-2100, 4860 0400-0800 & 1400-2100, 4055 0400-2100. (WBI 18/11)

R Moscow in a recent DX pgm over NAM svc reported that R Tbilisi in Georgian SSR bcs a pgm to compatriots abroad in Georgian Tue/Thu/Sat/Sun on 5930 at 1800-1930 (WBI 2/12)

Some R Moscow NAM svc fqs not on printed sked include 9470, 6020 and 4860, 21475; SSB on 16193 & 7540 (WBI 2/12)

Service to Chile in SP, including R Magallanes cland pgm 0200-0230 & 0330-0400; R Moscú 0230-0330, are on 11800 11745 11690 10743=SSB 9650 9640 9490 9450 7240 (WBI 2/12)

RMS & NAM svc, 12/11 filled w/fx, comments on Brezhnev's death; included long obit & interspersed w/funeral dirges; and on 13/11 similar, w/bios of Brezhnev & Andropov; more dirges & sad violin mx (Wilkins, CO) Play-DX

R Moscow, La Voz de Chile Libre, hrd 26/11 2240 on 4825 (P Cacciamatta & D Monferini, /

VATICAN VR 0700-0800: 0700 IT nx, 0710 FR nx, 0720 EG nx, 0730 SP nx & report on Pope's visit to Sicily; unreadable by 0745, still on past 0800, all on 6209 20/11 (Wilkins, CO)

Vat to ANZ 0200-0215 EG on 15130 ex-15120. 2210-2225 continues on 9615 1830 15120 (Arthur Cushen, NZ, SDC Dec)

VENEZUELA R Angostura, 6119 in SP w/YV vocals, M anc, ads, TCs to 0958 ID sounding like "R. Angostura, La emisora toda empasionar en Guyana"; 0959 Rumbos nx; SIO 322, QRM de VOA 6125, 17/11 (John Wilkins, CO)

R Nacional de Venezuela SW svc continues hrd on 9530, ancing it's beaming its pgms from Caracas "to SAM, CAM, Caribbean area and the world for the integration and democracy of Lam". Ancd sked 0100-0200, 0300-0400, 1100-1200, 1800-1900 (WBI 25/11)

VIETNAM Rundown of Viet regionals audible recently: 4243, Vinh Phu \*1300 mid-Nov but not since; one of the hardest to hear in S Australia. 4656 Binh Tri Thien \*1300-1400\*. 4687 Gia Lai-Kon Tum 1200-1300\* also mid-Nov but not since. 4770 Son La \*1200-1400\* seemingly, // 6331. Vy hard at times due to China & NK same fq; not as good as it once was. 4821 Ha Tu-yen 1200-1300\* & steady here for a while. 4885 Thanh Hoa \*1030-1100\* P level, also vy hard but better here now w/LAMS diminished. 5613 Hoang Lien Son \*1115-1300\* // 6562 which is bet-ter. 6245 Lai Chau 1145 f/in to 1300\* when mixed w/jamming(!) & utes. 6331 Son La \*1200-1400\* // 4770, not hrd some days in Nov, and sometimes even then at VP level. 6510 Lang Son \*1145-1300\* always G. 6528 Cao Bang \*1200-1400\* also constant, G. 6562 Hoang Lien Son // 5613 \*1115-1300\*. 6610 Bac Thai now here \*1125-1330\* but no doubt will start jumping arnd soon; always the best Viet regional here. Not audible recently, but sked \*1030-1100\* & \*12 00-1245/1300v\* is Lam Dong 4215. Others not hrd for a loooonngggg time are Phu Khanh, Son Be, Nghe Tinh, Quang Ninh, Hanoi, 7421, hrd arnd 1120 w/VT instls // 6452 & 10060. Some of the s/on/off times above are slightly variable,  $\pm$  5 mins (David Foster & Geoff Cosier, DUDXS)

YUGOSLAVIA Tanjug reported that 16/11 session of Federal Chamber of the Assembly of Yugoslavia had passed a law concerning seasonal time changes, to bring Yugoslavia into line w/ nearby countries in C&NEu spring and fall (WBI 25/11)

ZAIRE Again noted 15245 & 11720 F-G w/beaty Af mx 0200; 7255 seems dropped, 11720 ex-15350 where Luxembourg is hrd (Victor Goonetilleke, Sri Lanka, UADK)

ZAMBIA R Zambia, ZBS, hrd 30/11 \*0348 w/Fish Eagle IS on 4910, G, NA by chorus, then opening ID in EG, mx, into verns. Happy birthday present for the Wm J Martin, (DE) 30/11 0406 on 4910 EG-esque ID, vern pgm; QRM from FR-Afro, presume Guinea; P, no sign of Ec (Bishop) ZBS report 4/11 said R Zambia had launched "an all-out war" aimed at improving reception

in the country and 'enticing' people to stop tuning to S African radio stns, particularly in the border areas (WBI 25/11)

ZIMBABWE ZBC's M83 sked: [plenty early, eh? gh]: Radio 1: 0325(Sun 0400)-0615 & 1530-2100 (Fri/Sat 2200) on 3396. 0545-1545 7285. Radio 2: 0325(Sun 0400)-0615 & 1515-2020(Sat 2050) on 3306. 0530(Sun 0545)-1545 on 7175 (actually 7121). Radio 4 (new educational svc which began 1/10), 0830-1830 on 7330 Mon-Fri only (Colin Miller, RSA, UADX)

CLANDESTINE CRANNY V of the Malayan Democracy now noted on 8998 // 6670 (WBI 2/12) Same sked as reported early in 1982

V of Kawthoolei, Karen Natl Union stn, anti-Burmese govt, and anti-Burmese Communist Party is reported to be preparing to reactivate. Former fq was 4880, sked 1130-1330 incl EG 1300-1330 Thu-Fri; Sat/Sun extended to 1400 w/EG (Sarath Weerakoon, Sri Lanka, UADX) No Mon/T/W

V of the United Muslim Fighters of Afghanistan Report to P O Box 507, 1010 Vienna, was returned marked "unknown" (Jerry Berg, MA, via UADX, Sri Lanka)

V of the Mojahedin-e Khalq / V of Iranian Kurdistan These two stns now hrd on fq varying 6560-6620 apx; VOMEK in Persian 1730-1810 apx, VOIK 1230-1515 in Kurdish, Persian, Azeri

V of Palestine, V of the Palestine Revolution Saudi Arabian nxpaper 'Ar-Riyad' reported 7/11 that, during a meeting w/Iraqi President, PLO Chairman Yasir 'Arafat asked Iraq "to give the Palestine Revolution a radio stn w/which to address the masses in the occupied territory", to replace the radio stn which used to xmit from southern Leb. Quoting "informed Palestinian sources", Ar-Riyad added that the Iraqi Pres had granted the req and issued instructions to the responsible authorities to place an entire radio stn at the disposal of the PLO.

A member of Fatah's Revly Council and head of radio stns told Ar-Riyad that the stn was being prepared for xmsns to begin w/New Year, marking anniv of Pal Rev. Added that Pal xmters'd be installed in area of Ar-Rutbah (BBCMS ed note: some 240 miles W of Baghdad), close to the Jordanian broder. This would mean that the voice of the Pal Rev from Baghdad would be hrd clearly "in occupied Palestine, Jordan, Syria and Lebanon". The Pal offl said Iraqi forces'd provide necessary protection for xmters "against Israeli air raids which might be launched to silence the Pal voice". He emphasized that PLO leadership'd centrally supervise policy of new stn, which'd bc in 3 langs, AR, EG, HB - initially for 6 hours daily. It would be the main stn of the Pal Rev, which also bcs from Algiers, San'a & Aden.

'Ar-Riyad' continued that the VOP had temporarily begun xmitting for one hour per day on one of Iraq's V of the Masses fqs. In past, PLO had had a radio in the Syrian area of Dara near Jordanian border, but Syrian authorities demolished the bldg during Syrian-Palestinian conflict when Syrian forces entered Leb in 1976. Syrian authorities refused to allow PLO to rebuild stn after PLO withdrawal from Beirut.

'Ar-Riyad' ended by quoting "a responsible Iraqi source" as saying that the Iraqi authorities'd not interfere at all in policies of Pal radio stn. PLO'd be completely free to draw up and execute the informational policies it deemed fit for the new stn (WBI 18/11)

Egyptian nx agcy MENA quoting 'an offl Egyptian source' on 19/11 denied reports published by the London-based AR magazine 'al-Majallah' that, per PLO request, Eg Forn Ministry was currently studying the resumption of xmsns by VOP radio from Cairo. The report, the source said, was groundless. 21/11 MENA quoted from interview by Pres Mubarak to Kuwaiti nxpaper 'As-Siyarah' in which the subject of a visit by Yasir 'Arafat to Egypt was mentd. The Pres said if the purpose of the visit was to ask for a radio stn to be opened in Egypt, the proposal'd be out of the question. "We shall not permit what happened in the past. We ourselves have stopped the radio campaigns against the Arab world and we have decided not to reply to those who carry out such activity against us. Therefore, there is no room to allow anyone to carry out radio campaigns here against anyone".

On 18/11, PLO's VOP svc 1600-1700 on 1116 kHz ancd that from following day it'd be switched to another MW fq, 1035. 19/11 et seq. this svc confirmed on 1035 ex-1116. This move now brings the PLO's VOP svc onto the same fq as that of R Baghdad's pgm of same name which is on the air from 1700 to 1800--immediately after the PLO's svc (WBI 25/11)

V of the Broad Masses of Eritrea Recent obs show it's hrd on 14333, 7430-7485, 3730-3795. Fqs often change w/in each xmsn period. SW channels ancd are 7.3 & 3.5 MHz (WBI 25/11)

V of the Libyan People This AR-lang stn, describing self as voice of Natl Front for the Salvation of Libya, now hrd s/off daily 2207/2212 on 11365. 16/11, VOLP hrd \*2107 w/mx, 2110 fanfare & stn ID; ancd sked in Libyan time as 0630 on 1977 11285, 1630 12230 11460, 2100 on 12645 11365. Thrd bc actually at 2100 GMT, rest unconfirmed so far (WBI 18/11)

Further obs of stn hostile to Qadhafi, showed 17/11 a xmsn 1530 on 11460; 18/11 0530-0630 on 1977; switching at 0628 to 11285, mx 0633, anmts 0635 (WBI 25/11)

VOLP, Arabic: Sawt ash-sha'b al-Libi, in AR hours: 0530 11977, 0630 11285, 1530 11460, 1630 12230, 2000 12645, 2100 11365 (WBI 9/12)

Liberty [Cf Nov IN] We did not misinterpret Liberty's notorious "Ottawa" claim as Hauser accuses us in FRENEX. Our interpretation of her 30/4 bc, supposedly directed to Britain's

# Sound-alike radio is new anti-guerrilla tactic in Salvador

Washington Post

SAN SALVADOR, El Salvador — Every morning and every night staccato bursts of recorded gunfire, martial music and Marxist rhetoric punctuated by the whoop of electronic interference are familiar sounds here as guerrillas take to the airwaves.

People listen because they sympathize, or because they are curious, or in many cases just to find out something about what is going on in the inaccessible northern and eastern parts of the country dominated by the insurgents.

Then, through the crackling noise that blocked a recent broadcast, many people thought they heard an insurgent report that the oldest and most famous rebel leader, Salvador Cayetano Carpio, was killed in action. Local newspapers reported his death. Foreign correspondents tried frantically to check it out.

But Carpio was not dead. Instead, he was the victim of something he had denounced on the air only a week before: a new anti-guerrilla radio station.

"Using the same frequencies, schedule and style of the revolutionary stations," said Carpio, "it is spreading absolutely harebrained lies about the glorious revolutionary struggle."

In fact, a major electronic battle is running side-by-side with this region's shooting wars as clandestine transmitters and carefully plotted propaganda increasingly are used to supplement, amplify and often mystify what each side is doing with its guns and grenades.

In Central America, where many are illiterate, radio is the mass medium with the broadest reach and the biggest impact.

Revolutionaries were quick to see the possibilities. Nicaragua's Sandinistas were on the air long before they were in the capital and their Voice of Nicaragua and Radio Sandino now saturate a broad band of frequencies reaching out all over the region.

Those on the other side are just as accustomed to the advantages of underground media. As long ago as 1954, as has been documented in several recent studies, Central Intelligence Agency-financed broadcasts over a clandestine "Voice of Liberation" played a crucial role in ousting the leftist Guatemalan government of Jacobo Arbenz.

Now, the "counterrevolution" fights back at the Sandinistas with Radio 15 de Septiembre, spreading word of Sandinista atrocities that, true or not, quickly work themselves into the mythology of Miskito Indians and other groups opposed to Managua's Marxist leaders.

Another station called The Voice of Sandino is also beaming its message to Managua.

In El Salvador, the guerrillas have two stations in regular operation, run by two factions in two different parts of the country.

Radio Venceremos (which means "We will win") has been broadcasting the message of the guerrilla front as viewed by the People's Revolutionary Army faction on an occasional basis since early 1980 and regularly since last year. Radio Farabundo Marti (named for the 1930s Salvadoran communist admired by the rebels) came on the air more recently and with a weaker short-wave signal that broadcasts variations on the front's theme as seen by the more hard-line Popular Liberation Forces.

Despite vows to knock them out, the U.S.-backed Salvadoran Army has had little success forcing them off the air. Washington frequently charges, but has never publicly proved, that the main transmitter is next door in revolutionary Nicaragua.

The new short-wave weapon against the rebel radios went into action last month. As clandestine and mysterious as they are, it calls itself Radio Orientacion (Orientation) but is getting to be known on the street as Radio Mentiramos ("We will lie").

The guerrillas have told reporters they think the new station is broadcasting from somewhere in the wealthy neighborhood of Escalon de San Francisco in the capital, probably run by people associated with the right-wing political party of Assembly President Roberto D'Aubuisson. The guerrillas also guess that the money for the station comes from the CIA.

U.S. Embassy officials, asked who they think is running the new radio station, answer with "no comment," then explain in private that standard guidance is not to comment in any way on intelligence activities.

Does that mean it is connected with U.S. intelligence?

"No comment," they said.

woman, 5-digit, "Ende"; same woman as on 7404 (fúñez, neuén, etc.) (Ralf Munster, DecaturGA)

South Atlantic fleet, was absolutely correct. Of course if an editor "deliberately" interpreted Liberty's statement in a vacuum one could take "You are listening to me from Ottawa" as referring to the listener's location. However according to her own scenario she was being to Britain's S Atlantic fleet - none of whom were located in Ottawa. Further she says "I can see for miles and miles from Canada." Certainly her statement was ambiguous: as we carefully noted at the time, she was deliberately attempting to confuse her listeners. We believe that a retraction by Hauser in FRENEX is required: to say that we deliberately misinterpreted Liberty's statement in order to get on TV is a very serious matter. (C M Stanbury II, SWNS 19/11)

R Quince de Septiembre, hostile to Nic govt, obs on 7100 1220 19/11; but on 7000 at 2230-2325 21/11, 0230-0330 22/11 (WBI 2/12)

LV de Sandino, 6204k, 1120-1145\* F 6/11, 1101-1153\* F 8/11; woman's voice is similar to that of R 15 (Toshiaki Sakai, Tokyo, Radio Nuevo Mundo)

LV del CID, 9/12 hrd on 5106 s/off w/ anthem on R Ignacio Agramonte pgm; then at 0215 they went into "Basfile Musical" from the old 7355 fq (Nolan Scephany, Williams on NY)

/more, L M I at U S A!  
Spy Numbers Lots of them logged during a 24h period; do I get an award? They must have a lot to talk about: 9960 SP by W 1732 22/11, kept repeating same 4-digit 'word' sentence over & over (as in 1234 5678 9012 3456). Continued til 1736 when she shut up until letting a 'cinco' slip out at 1737. Carrier on til 1740. Excellent reception for 31m daytime, local?

6225, SP numbers by W past 0500 23/11, different lady than at 1732; Good.

7340, yet another lady 0630-0635\* 23/11, vly muffled sound, ending w/ "Final, final".

11430, fourth lady, 0640-0652\* 23/11; this one had a problem with her 'siete', the beginning a little clipped. Ended with 'Final, final'. Good.

15635, SP numbers by man! 0700-0708\* 23/11, weak and hard to copy. Definite 'Final final' at close. These all had diff message, and except for first, all 5-digit groups. These bloody things were springing up all over (Tony Pavick, Lacrobe PA)

5812 AM, 22/11 0218 4-digit, woman, well established fq, didn't stay w/it.

7404 USB, 29/11 0640-0643\* German woman, 5-digit, "Ende". Hadn't hrd this in some time but yrs ago functioned regularly. Chances are there's an AM xmsn at 0600-0605, "Papa November".

7740.2 AM, 12/12 0212-0219\* German

# NORTH AMERICAN PIRATES

"CHNO" Relay, hrd on 3410 at 0337 6/12, weak sigs, pops, clear ID by M DJ. I suspect this may not be pirate relay--could be US or Can govt testing mobile SW xmtr, e.g. Voice of the Blue Eagle testing in 60s (or have I been reading too many of C M Stanbury's articles in back issues of Electronics Illustrated, hi?) Perhaps located on Swan Island... (Wm J Martin, DE) CHNO-550 hrd on 6395, 27/11 0216-0525+, 28/11 0100-0600+. Never hrd an ID of the stn relaying CHNO. G sig into midwest, but why would anyone want to relay a MW stn for 5 hours? (Kirk Baxter, Mission KS)

Free Radio North America on 7425a, 0200-0237\* 11/12, SIO 322. Pirate Bob playing vty of mx; Van Morrison's "Brown Eyed Girl", "Abracadabra" by Steve Miller, "Honky Tonk Woman" by Rolling Stones, etc. Gave mailing addr: P O Box 1851, New Britain, CT 06050. Maybe same stn next night, 12/12 on 7425a, 0200-? Turned on radio as addr being given, then mx: "Down Under" by the Men At Work. Sig deteriorated u/much static and interference, SIO 322-211 (Thomas Semesky, Hammond IN)

Hrd on 7425a, 11/12 0134 w/continuous R&R mx. Dialog from movie "Airplane!" at 0151, and more mx. M w/ID, New Britain CT addr 0219; then more mx, fqt IDs; 0236\*, F sig (Bob Streeter, Schenectady NY)

On 7425 12/12 0100-0130+, G sig, rock mx, ancd addr as above. VG quality sound and presentation, unlike most NAM pirates I've the displeasure of stumbling across; FRNA insists on SASE for QSL (Gerry Bishop, PA)

7425, 12/12 0035-0221\* abruptly off, many rock songs by ELO, J Giles Band etc., CT PO Box addr. When they went off, hrd another pirate calling FRNA, WKDK, then nothing noted after that on 7425 that night (Frank John Patrick, Endicott NY)

FRNA was busted by the FCC 12/12 at 0220 while on 7425. The operator was promised a fine of \$750. (Scott McClellan, Battle Creek MI, 13/12)

"WTBT" hrd on 7426a, 4/12 0401 w/Cheech & Chong comedy routine. M gave ID and ACE addr several times, including phonetically, at 0414; 0417\* Strong, but distorted audio. Less distortion during anmts than recorded material (Bob Streeter, NY)

7425, hrd 0120-0220 13/12 w/hard rock, anmt of 10 kilofoot tower, 50 kW, but only sounded like 100 watts if lucky; QSL via ACE (Frank John Patrick, Endicott NY)

7425, 13/12 0148 rock & roll, IDs as Whiskey Tango Delta Tango; apparently my WTBT of several weeks back. Gave Moorhead MN addr; fair reception (Gerry Bishop, PA)

7425, 13/12 0141-0222\*, SIO 333, R&R mx, fqt IDs, deds & reqs for QSLs. ACE addr for QSL, Box 456, Moorhead MN 56560. Mentd NRC once, also solicited for membership in Clandestine & Devious, \$6.95. QRM from strong CW stns, one from amateur harmonic or out of band. Audio could use a little more punch (Don O'Neil, Florence SC)

7425, 13/12 0045-0130 f/out. Having lots of tech problems, and poor audio. Pgm started around 0115 w/pop tunes; SIO 333 (Scott McClellan, MI)

KW Radio, Sun 5/12 0450-0518\* on 1618 kHz w/VG sig; comedy records and call-ins using loop number (212) 289-9977. 0518 interrupted mx w/claims that "The FCC is here" and suddenly off (Frank N Decker, Syracuse NY)

5/12 0350-0516\* on 1620 kHz, also IDed as "KW Bootleg". Haven't hrd them for month, and they'd been vy regular--this dispelled rumors they'd been busted. 2 male DJs, Johnny Jo and a new one. 212 loop calls and mx. S3-S7, SIO 343. Hrd several calls from all over East. Went off abruptly at 0516 yelling "the FCC is here". They are known for comedy, so it may have been a farce, but I think it was real. First WART and now KW. Or maybe they're all just lying low (Vince Pinto, Suffern NY)

The KW Radio bust was real; not a joke (Scott McClellan, MI, 13/12)

"JZ" or "WJZ" "JZ", Jazz Radio in NY, 22/11 0501-0612\*, oddly enough played no jazz, all old Beatles. M DJ, mentd eqp failure earlier show. Apparently developed eqp problems again. By mid-show audio muffled, distorted, Sig finally broke up, off air 0612. Crashed! Did ancd 212 loop but it was defective. He didn't realize this, kept asking for calls till finally his audio became so bad I couldn't copy it (Vince Pinto, Suffern NY) Forgot fq; but:

WJZ, 1618 kHz, 22/11 0524 G sigs, ancd location as NYC. Seemed to favor Beatles mx. Requested calls to 212 283 9977 and claimed earlier call rcvd from listener in Memphis TN (William J Martin, Wilmington DE)

WJZ, 1617 kHz, 22/10 [I think he means 22/11 -gh], 0505-0612\* off suddenly; mx w/infqt IDs, ancns Donivan and Peter asking for calls on 212 283 9977, which had continuous busy sig, claimed earlier call from Memphis; G sig, some fading; claimed NYC (Frank N Decker, Syracuse NY)

"WART", 1616.0 kHz, 14/11 0433-0622\*, 2 M DJs, Crystal Goblin and Jack Lantern, latter new. 212 loop calls. Wierd mx. Audio last few shows much better than early shows; have not hrd them since--rumors they have been busted. SIO 345, vy strong, strongest they've ever been, well over 59 (Vince Pinto, Suffern NY)

1616a, 14/11 0549-0622 w/phone calls from NJ & NY, also one later from MI. Mentd 160 mi from NYC, talk on FCC, CIA, Top 40 mx (Paul Mount, Teaneck NJ, National Radio Club DK News)

"PRN", 1616.1, 14/11 0635-0818, vly weak, weak audio, both sig and mod weaker than normal. Said hello to WART. Relaying HF link ground to space shuttle. Some mx, DJ Capt Jeff Bligh. Still on when I went bye-bye at 0818. Good to hear this famous old regular again (Vince Pinto, Suffern NY) 14/11 0710 on 1616a, the New England pirate again w/talk, faded (Paul Mount, NJ, NRC DX News)

Voice of Tomorrow, 1616 kHz, 22/11 0625-0714\*, MoR mx, phone number given w/MD area code, excellent sig (Tim & Dave Braun, Falls Church VA, NRC DX News)

"GMT", 1630 kHz, New York, 19/11 0707-0801 fair but steady til s/off w/top 40 mx, calls from ON, said 50 kW beamed into Atlantic (Paul Mount, Teaneck NJ, NRC DX News)

Radio Free Radio hrd \*0601-0635\* 28/11 on 7431 USB. Very good, clear signal--why don't more pirates use SSB? I'm sure most of their listeners are equipped to rx it. Pgm included mx, Crewcut's "Take Her Away", and humor, e.g. neighborhood parent questioning Misterogers. RFR's male ancr and that this'd be their last bc. As reason he cited Al Muick's criticism of RFR in the Oct 82 Pop. Comm. and other criticism, especially of the SSB mode--"Criticism which has broken down our company morale." If this last bc is typical of what they've done in the past, it's a shame they're gone. Gave ACE addr for QSL and phone number to call but didn't take calls on air (Robert Rogers, Minneapolis MN)

RFR, 7430 USB 28/11 0614 hrd w/good sigs claiming this was their last bc, due to criticism of USB mx quality; songs by The Clash and The Crewcuts; QSL via ACE, off at 0631\*, tho later returned for QSO w/another pirate at 0640, tentatively IDed as "KDK" callsign (William J Martin, Wilmington DE)

RFR, 7431 USB, 28/11 0624-0655. Vy strong here, said would be last bc because of comments by Al Muick re SSB. QSL via ACE. Gave loop no. (516) 654-9906, but I couldn't reach him on it. 0641 began 2-way conversation with "WIDT" which was weaker but fully readable; finally IDed at 0655 (Frank N Decker, Syracuse NY)

"KQSB", 7430, 20/10 [think he means 20/11 -gh], 0408-0410\* mx, "horror movie" ad, IDs as a test xmsn, gave QSL addr as P O Box 4948, Arcata CA 95521. G sig (Frank N Decker, Syracuse)

On 7410, 28/11 \*0501-0505\*, "We Love the Pirate Stations", said xmtr overheating and s/off w/ID and Arcata Address (Kirk Baxter, Mission KS)

V of the Purple Pumpkin, 7410, 28/11 0441-0445, Had Tiny Tim's "Good Ship Lollipop" and s/off w/barking dogs. Same stn hrd at 0453-0458 on 7429 USB w/same pgm. Very unusual pgm and no QSL addr given. If the stn reads this, pse QSL! (Kirk Baxter, Mission KS)

"FRA", hrd on Thanksgiving GMT, playing mx of all kinds; only anmts were at 0332, when man said "FRA". That could stand for Free Radio America; and at 0355 "FRA-Arab Feeling, talking to me magic" (Yes, that's what he said). Perhaps this guy's been sniffing some Jamaica premiums, hi. Sigs were 353-SIO (Nolan Stephany, Williamson NY) You forgot the frequency

R North Star International, 13787.8, 12/11 0152-0236\*, SIO 222 except brief periods when QRM disappeared. Strong, rapid QSB. Lots of QSB on the QRM too--wierd effect. M DJ, oldies, good programming & audio etc. But for the QRM, would've been nice. "The cream of shortwave" ID. And on 21/11 0205-0250\*, SIO 444, 36-39, QSB. Xmas mx and oldies; testing earlier in show at 0210. "Cream of the shortwave jungle" ID. Thank you for listening, and off 0250. Good show. (Vince Pinto, Suffern NY)

V of the Pyramids, 6281, 28/11 0800-0818\*. Very weak signal here. Played old Beatles mx. Pse QSL! (Kirk Baxter, Mission KS)

"X-103", a pirate FM is active Fri, Sat and Sun afternoons with rock. DJ Scott says very low power, ancd phone (904) 255-8548, per Tim in Daytona Beach; unhrd here in St Cloud; on 103.5 MHz (Ron Trotto, FL)

UNIDENTIFIED 2500, stn noted lately around 2200 as WWV fades up. Never strong enough to make out format or lang, tho seems EG (Gerry Bishop, PA)

6236, europirate? w/BeeGees, other EG pops, songs recognizable, but ancr unintelligible due to severe ute QRM. SIO 211; still there at 0827, 0850 rechecks, hrd 13/11 only (Wilkins, CO)

During magnetic storm 28/11 noted a very strong stn on 9715 from 1600 w/non-stop instl mx to 2000\*, mostly older pop tunes, no anmt or ID during entire bc; definitely a trans-Pacific sig, only other stns on band were Australia & Manila; suspect test from KYOI Saipan; a similar all-mx bc hrd next Sun 5/12 on 11763 until 1900\*, again w/out anmts; are US stns allowed to test w/out IDs? A strong AR stn also appeared on 9715, 1/12 only, from 1500 w/chants & mx, 1700 AR mx, no ID, but several ments of "Doha". Other days have hrd only FEBC on 9715 until 1600, also RFI & DW after 1700. Another unID AR stn hrd on 11743.8, from 1440 AR mx, 1500 mx, 27/11 & 1/12, perhaps Algeria, but not hrd after 1600 (Ernie Behr, Kenora Ontario)

## PUBLICATIONS

Down Under DX Survey, No. 20 issued 5/12, is another excellent bulletin specializing in Asia and Pacific DX. 17 pages, legal sized, mimeographed. Main feature this time is a 10-page listing by frequency of Indonesian commercial MW stations, much different from what's in the 1982 WRTH; and this list has a call sign for every one of them, in the PM#XXX format. Represents an amazing amount of research. Tho we're unlikely to hear them in NAM, just reading thru the imaginative stn names is a trip in itself, e.g. Voice of Yarden, Lafayette, Cassanova, El Florida, Compass, Flamboyant, Linggarjati.... Includes street addresses. Also a 3-page survey of activity on the 2000-4000 kHz band, a page of general SW nx by country, a nicely drawn original map by Geoff Cosier of Vietnam, showing provincial SW xmt locations, provincial boundaries (which have changed a great deal since reunification) and background text on this subject. DUDXS is normally distributed by selling individual copies, rather than subscription or membership. Price is 3 IRCs or 70c in mint Australian stamps, in Australia & NZ; 6 IRCs in the rest of the world, by airmail. Order from Down Under DX Circle, 7 Donald Road, Burwood, Victoria, Australia 3125 (gh)

Union of Asian DXers. In Issue #100, Victor Goonetilleke explains the club policies and financing: "Whenever we receive return postage we send a copy with membership info. If we don't receive return postage from people in the Western countries and affluent areas of the world, these requests are ignored. From the Third World, we do send samples to everyone who writes in and they mostly don't send return postage. The largest number of members is in the United States--over 20, closely followed by India, Sri Lanka and Australia. Our foreign members who pay US\$10 as subscription, to a great extent finance the UADX operation. Address: Union of Asian DXers, 32/4A, Malwatte Road, Dehiwala, Republic of Sri Lanka. # Certainly a very worthwhile club for North Americans interested in Asian DX, & a friendly club too (gh)

Review of International Broadcasting Those who write in immediately may still be able to get a copy of the December issue, which includes January program details for Radio Beijing, a look at Voice of Nigeria and RMWS feature programs, another "It Came from a Radio" article by David Newkirk, on the late Richard Pistek; "The Trouble with Information," by Paul A. Gilster, critiquing shortwave news; an 11-page "DX Listening Digest"; a 6-page Equipment Forum which deals i.a. with the Drake R7A, ICOM IC-R70, Becker Reims 540 mobile shortwave converter, FRG-7000, Clocks & Timers, as well as w/a RTTY-Morse decoder; and a "deadly accurate" 3-page list in frequency order of Cuban AM stations, by Ronald F Schatz. Samples of the Dec RIB are US\$1.25 in North America, from Glenn Hauser, Box 6287, Knoxville, TN 37914. If supply is exhausted a January sample will be sent instead. 12-issue subscriptions are still US\$15 in North America, the same price now for two years (gh)

## HUNTING HARMONICS WITH HAUSER

Harmonic items are normally included in LW's major section since they are an integral part of DX listening. This time, however, we have grouped harmonic items received over the past two months into this special section, to make a point of how much interesting listening there is to be had in this way. There are many reasons why stations appear at the 'wrong' spot on the dial, many of them due to defects solely in the receiver. We are interested only in material like the following, which results from defects in the transmitter, and thus are possible catches for other listeners.

<u>Heard</u>	<u>H</u>	<u>Fund.</u>	<u>Country</u>	<u>station</u>	<u>time</u>	<u>notes</u>	<u>reporter</u>	<u>location</u>
31100	2	15550	USSR	R Moscow	1310 27/11	mx, 2-way QRM, 1311 ID, more mx (gh, Magen's Bay Beach, St. Thomas, US Virgin Islands, using 500' NE/SW longwire, henceforth gh, VI-1. While in theory such long antennas offer a much greater advantage on MW than on low VHF, it certainly didn't hurt. During this session many more carriers in the 30-31 MHz range could be heard but there was no time to try to identify more of them than shown below)		
31040	2	15520	USSR	R Moscow	ID 27/11	1309, good sig, language unknown (gh, USVI-1)		
30860	2	15430	USA	AFRTS w/AP news	27/11 1300	(gh, USVI-1)		
30780	2	15390	UKROBANI	BBC	27/11 1301	in Greek; 2-way co-channel QRM (gh, USVI-1)		
30690	2	15345	USA	AFRTS, vy strong	2244 29/11	but not the modulation to match (gh, beach S of Frederiksted, St Croix, USVI, using 200-300' longwire, SSW/NNE = gh, USVI-2)		
30490	2	15245	GERMANY WEST	(?) Pgm in German	27/11 1302	w/that DW sound; relay? (gh VI-1)		
30470	2	15235	UKROBANI	VOA Woofferton	Russian 27/11 1302	(gh, VI-1)		
30680	2	15180	UKROBANI	BBC Arabic service	27/11 1303	(gh, VI-1)		
30300	2	15150	USSR	RMWS, nx	1304 27/11	(gh, VI-1)		
30140	2	15070	UKROBANI	BBC WS, nx	27/11 1304	(gh, VI-1)		
28470	3	9490	USSR	R Moscow, mx	22/10 1051	EG (Peter Manson, Glasgow, and Vic Dutton, Southampton, WDXC Contact)		
25285	5	5057	ALBANIA	Any HF harmonic scan would be incomplete without checking for Gji-rokaster, and sure enough there it was w/mx at 1308 27/11	(gh, VI-1)			
24460	4	6115	COLOMBIA	Lam stn here	2249 29/11	sweep QRM every few secs, and woodpecker. Didn't stay with it but LV del Llano frequently hrd in TN	(gh, VI-2)	

- 24240 4 6060 ARGENTINA R Nacional, SP football game, 28/10 0055, also hrd on 6060 and // 9690. 11710 was not //; kind of confusing (Mitch Sams, Farmington AR, OMDC)
- 24190 2 12095 UKOGBANI gh's extensive harmonic report on World of Radio got me curious, and on 24/10 the band was full; BBCWS here was comparable to 12095 in signal at 1400. How much power can they be using on 2x the fundamental? (Gerry Bishop, Christiana PA) Hard to say, but would guess 1 to 100 watts (gh)
- 23980 4 5995 UKOGBANI Checking 23 MHz harmonic band Sun afternoon revealed several of the usual, but noted RCI Eu svc here, evidently not rx intermod, but not harmonically related to any RCI fq I'm aware of (Loren Cox, Jr., KY) Voila
- 23940 2 11970 CUBA RHC Spanish noted at 2208 23/11 (gh, 100' longwire near the waterfront, Charlotte Amalie, St Thomas, US VI --VI-3)
- 23828 2 11914 PARAGUAY Spanish pgm here at 2207 23/11; didn't stay with it but very likely the usual ZPA-1 (gh, VI-3)
- 23820 4 5955 COLOMBIA LV de los Centauros, tentatively the stn at threshold level 23/11 w/reverb anmts (gh, VI-3) Again 29/11 Lam slightly on hi side of fq, distorted and unstable carrier, 2252. Again, previous experience in TN points to LV de los Centauros (gh, VI-2)
- 23820 2? 11910? UNID EG talk, het 1215 25/11; 11910 held HCJB Spanish; from 5955? (gh, 100' or shorter ant around courtyard on hillside, Charlotte Amalie, St. Thomas, USVI - VI-4)
- 23680 2 11840 CUBA RMWS ID, rock mx 2155 23/11 (gh, USVI-3)
- 23440 2 11720 CANADA CBC NS, 24/11 2225 (gh, VI-4) Also 2250 29/11, in EG (gh, USVI-2)
- 23419 2 11709 ARGENTINA RAE, SP talks on economy, 0047 28/10, // 11710 which was slightly lower than co-channel Moscow, so het (Mitch Sams, AR, OMDC)
- 19320 2 9660 USSR R Moscow, 30/10 1216-1230 RS, W singing, applause, talk, 1229 Moscow Nights IS an full ID in RS (Chuck Bolland, FL) Not reported as harmonic, but I assume it is, or could be 4 x 4830 (gh)
- 19106 2 9553 IRAQ R Baghdad, AR songs, anmts 23/9 0604, 25433 (Joerg Klingenfuss, Tübingen, GFR, WWDXC DX Magazine)
- 18585 3 6195 ANTIGUA BBC nx, G 30/10 1210-1212 (Chuck Bolland, Lakewood FL) UADY
- 14230 2 7115 THAILAND R Thailand, at 0930 (Rohan Goonertilleke, Indian Ocean? mobile, /
- 13580 2 6790 SOMALIA Mogadishu in Somali 2030 11/11 (Richard E Wood, Abha, Sa'udi Arabia)
- 12350 2 6175 ANTIGUA BBC WS, weak at 0600 10/11 (Steven R Lare, Holland MI)
- 12230 2 6115 CUBA R Moscow, Pozner talk 0338 30/11. Big carrier, but low, distorted modulation; 6115 itself was a mess, essentially inaudible (gh, VI-2)
- 12170 2 6085 FRANCE "Aquí Paris", S9 25/10 \*0030 w/fqs, disco sounder (Jay Novello, NY)
- 4740 3 1580 BRAZIL R Independência, Medianeira, 3/9 0915 w/sertanejo pgm "Alvorada charrua" in PT (Emilio Pedro Povrzenic, Villa Diego, Argentina, LADX)
- 4240 3 1413.3 PARAGUAY LV de Misiones, S. J. Bautista, mx, ID, s/on SP 24/10 0940, poor. Indicates fundamental fq change from 1427 (Povrzenic, as above)
- 3721 3? 1240? UNID 16/11 1055-1113 fade, thought R Los Andes at first, but pgm does not fit this Peruvian. GMT -5 TCs by M. Clear ment of 1240, so probably just [sic] harmonic. Several HJs listed here. "Classical Gas" by Mason Williams 1059 (Steve Reinstein, DX South Florida)
- 3348 3 1116 ITALY RAI-2, P-F 6/11 0555 (Fabrizio Magrone, Italy, Play-DX)
- 3200 2 1600 USA WNGA, Nashville GA, M DJ w/C&W, ID 1100, Mutual nx, very fady 27/10 (W J Parks, DX S Florida) Also here 11/12 1108 ID in passing, mx (gh, TN)
- 3006 2 1503 THAILAND Thai stn 1230-1300 noted in band survey (Down Under DX Survey, Au)
- 2952 2 1476 USSR R Moscow, Vladivostok, FS in CH etc 1200-1530 (DUDKS, Australia)
- 2952 2 1476 HAITI LV du Peuple presumed, 28/11 2308 organ mx hymn, later mostly vocal mx, no anmts; 29/11 0000 seems Creole anmt, and again 0303 (gh, 100' longwire, downtown Christiansted, St Croix, USVI = VI-5)
- 2950 2? 1475? UNID Pgm audio during 2245 check 26/11, maybe acutaly 2952 (gh, VI-1)
- 2942 2 1471 DOMINICAN REPUBLIC 26/11 0143 giving 7-digit phone number starting with 5, reminding me of Mexico City, but not so; 0148 TC as 9:48 and ID as R. Sur. So this is HIEH, Barahona (gh, VI-3) SP mx at 2311 28/11 presumably this again (gh, VI-5)
- 2920 2? 1460? UNID, slightly on hi side of fq, weak Spanish 0305 24/11(gh, VI-3)
- 2920 2 1460 COLOMBIA unID, 30/10 0956-1002, just mx, 0959 Colombian NA, full ID giving AM fq as 1460, 5 kW, but unintelligible; G but distorted w/plenty QRN (Chuck Bolland, Lakewood FL)
- 2900 2 1450 USA WCTC, N. Brunswick NJ, community calendar, lost & found, ID, mx 1820 22/9 (Don Saunders, E. Brunswick NJ, ASWLC) Oops, I should have disregarded this one, as local-range harmonics are no evidence of DX-ability (gh)
- 2860 2? 1430? UNID Lam barely audible at 2227 29/11 check (gh, VI-2)
- 2760 2 1380 USA KZUL, Parker AZ, 2/11 1325½ G sig, morning farm show, ads (William J Harms, Provo UT, IRCA DX Monitor)
- 2680 2 1340 USA KWVR, Enterprise OR, vy weak around 1600 18/11; hrd previously on 5360 = 4th harmonic, which was strongest, around 1600-1630; and also on 8040, 6th harmonic at 1700-1730 check; listed 250 watts. Checked for odd harmonics but none audible (Kurt Browning, Dillon MT) & not hrd at nite
- 2630 2 1315 DOMINICAN REPUBLIC weak mx, 0248 24/11. Only likely possibility on 1315

- is R Banf, as definitely IDed earlier on fundamental (gh, VI-3)
- 2620 2 1310 DOMINICAN REPUBLIC By far the strongest broadcast signal on 2 MHz (aside from 2680 harmonic of nearby local WSTA-1340 which this even rivaled) was this stn, my first logging during VI excursion 23/11 at 0000 w/radio-noticias, AST TCs; het on hi side, no //hrd on 1310; 0029 ID as Radio-Televisión Dominicana, then 'avances de diario' noticias. Also 24/11 0248 & earlier, very strong (gh, VI-3) 25/11 0107 with beisbol (gh, VI-4) And audible during quick scan at 2243 26/11, but concentrating on MW DX (gh, VI-1) Not nearly so strong on St Croix; don't think this is attributable to difference in rx ants; maybe directionality of xmring antenna? 28/11 0012 audible but weak vs. RTTY (gh, VI-5) Also hrd 11/12 1050 w/"Diario Noticias" mx, and TC pgm, rx of D.R., het, fading by 1100 (gh, Knoxville TN) Oh, the RTVD stn on 1310 is listed as El Seibo, 1 kW
- 2540 2 1270 UNID program audio audible here at 2244 check 26/11 (gh, VI-1)
- 2520 2 1260 USA NBC nx, 21/11 1205 into local nx of Huntington County, Pittsburgh Symphony & Previn item; mentd Phillipsburg Bay State Police, PA Route 53; ergo WPHB, Phillipsburg PA, 5000 W Days, 500 W PSA (gh, TN) Also hrd \*1100-1300+ w/strong sig; not noted in early evening (Gerry Bishop, PA, 12/12)
- 2480 2 1240 UNID Some program audio here at quick check 2245 26/11 (gh, VI-1)
- 2480 2 1240 USA KJOP, Lemoore CA, were putting out a pretty hefty harmonic 7/11 (Randy Tomer, Arcata CA, IRCA DX Monitor)
- 2440 2 1220 UNID Some mx here at 0311 30/11, possibly the Honduran others have reported tho Cam is certainly not dominant here (gh, VI-2)
- 2400 2 1200 UNID Seems more than one bc stn, 2243 26/11 (gh-VI-1) Followed up on this:
- 2400 2 1200 UNID Baseball in SP, 0015 28/11 (gh, VI-5) Lam stn at 2228 29/11 (gh, VI-2)
- 2400 2 1200 COLOMBIA 30/11 0944 Bogotá mentd and Colombian TC; 0945 local ads from Villavicencio, ergo Ondas del Meta (gh, VI-2)
- 2370 3 790 CUBA R Reloj, 0202, usual nx & TCs, apparently 3 x 790, since nothing hrd on 1185. Poor, 18/11, and fortunately not hrd since (David Crawford, FL, DX S Florida) No 790 stn listed in latest compilation, see PUBLICATIONS
- 2340 2 1170 COLOMBIA HJGA, R Boyacá, Tunja; 28/11 0220 seemed to be two stns here (the fq was blocked on St Thomas by mix of locals on 1000 + 1340), one w/SP mx; 0223 fade for ID and EST TC; 0225 TC for 9:27, 0229 ID; and at 0314 ad for Lotería de Boyacá (gh, VI-5)
- 2240 2? 1120? UNID mx barely audible 0312 30/11; atmospheric and slight line noise still a problem despite excellent beach location (gh, VI-2)
- 1840 2? 920? UNID Two stns, fast SAH between them; not local mx, 24/11 0233 (gh, VI-3)
- 1820 2 910 VENEZUELA Soon as I hrd a stn here, I suspected it'd be R. Aeropuerto, and so it was: 24/11 0155 TC for 9:57; 0158 mentd 910, f/out; (by the way, frequent chech of 2060 produced no sign of VV others have reported); 0208 smnt mentd aerodromo; 0228 Guardia Nacional anti-forest fire PSA, ad for criollo restaurant, 0229 ID (gh, VI-3) Also noted at 0434 30/11 w/mx (gh, VI-2) These numbers are in order of appearance here, not chronological
- 1790 2 895 HAITI 28/11 0007 stn in FR Creole, mentd Gonaves, into gospel-sounding mx; 0019 had mike problems, feedback, overmod. No definite ID, and no other chech reproduced as good a signal (gh, USVI-5)
- 1720 2 860 DOMINICAN REPUBLIC 26/11 2335 t/in listing DR stns incl R Clarín for sports, pro-beisbol bc, and this is R Clarín itself (gh, VI-1) Again w/Beisbol 28/11 0009 (gh, VI-5) SP vocal mx, 0215 6/12, poor (David Crawford, DX S FL)
- 1668 2 834 BELIZE Stn in EG has to be this, 30/11 0059, and w/BBC nx 0301 (gh, VI-2)
- 1660 2? 830? COLOMBIA Almancen Bogotá ad here 0042 30/11; first hrd at 0040 w/mx, measured on exactly 1660.0, so may be harmonic, only 830 HJ is R Visión, Medellín (gh, VI-2) Broadcast stns were also hrd on several other fqs above 1610, 30/11 only from the VI-2 location, probably not harmonics, but fundamental Lam pirates, tho some were commercial; fairly certain at least two of them were in COLOMBIA and ECUADOR. Distinct fqs involved: 1645=La Voz Cultural, strongest, 0100\* & \*0950; 1628, 1673, 1634, 1635, 1653, 1648. I will report on these in detail elsewhere, as well as my other VI DX, which was predominantly MW, despite the extent of harmonic DX in this report (gh)

**LAST-MINUTE INFO** AUSTRALIA R Australia D82 EG: Pac 5995-Lyndhurst-10 kW 1000-2000 052°. 6045-L-10 0800-2000 108. 6060-Shepparton-50 kW 1330-1930 063. 9505-S-100 1800-2030 063. 9570-S-100 0700-0900 128. 9580-S-100 1800-2000 118. 11725-S-100 1800-1930 063. 11790-S-100 1900-2130 118. 15115-S-50 0630-1030 073. 15160-L-10 2100-0100 & 0200-0700 053. 15240-L-10 2100-0730 110. 15320-S-50 0430-0500 073. 17795-S-50 2030-0100, 0200-0500, 0600-0630 063. 21740-S-50 0000-0400 063. PNG/NWPac 6080-S-50 1430-2000 005. 9710-S-100 1200-1300 & 1400-1730 353. 11770-S-100 2000-2200 355. 17725-S-100 0130-0930 355. 17795-S-100 1100-1300 & 1400-1730 355. 21650-S-100 2100-0530 355. Asia 6035-Carnarvon-250 1530-2200 325. 9640-Carn-100 1400-1500. 9770-S-100 1000-1500 308. 9770-C-100 1500-1730 325. 11820-S-50 2100-2330 308. 15310-S-100 2200-0100 310. 15410-C-250 0800-0900 347. 17870-C-250 0100-0800 347. 21720-C-100 0800-1100 325. 21680-S-100 0000-0930 308. Af 21525-S-100 0400-0500 & 0600-0630.

Eu 9570-S-100 0700-0900 128. NAM 9580-S-50 1100-1300 063. 17795 & 21740-S-50 0200-0400 063. /Note that both Eu & NAM svcs are actually included in Pac sked/ (via Bill Oliver)

AUSTRIA The low-powered stn on 6000 at Aldrans near Innsbruck also has local pgming, not just a relay of Vienna. There are ads for Innsbruck services and products (KIWR 16/10 via Nov NZ DX Times)

BOLIVIA /Cf item in main section of this LN/ R Santa Ana de Yacuma, is carrying out tests on its new fq 4805 (ex-4884) with 1 kW. Directora is Delicia Guardia de Lima (SWB via Play-DX, Italy, 9/12)

FRANCE R Atlantic 2000 on 7340 sent QSL letter in 38 days for 2 mint French stamps of 1.80 francs. Addr is 75 Rue J. Grimau, 93700 Drancy, France (Pierre Theze, Paris, Play-DX 9/12) Not clear if '2000' is part of stn name or time! While free radio flourishes in France, it is rare indeed that we hear of one on SW (gh)

GUAM KIWR D82, as amended. Assamese 1430-1445 11920. Bengali 1500-1530(M/T/W/T/F 1600) on 11920. Cantonese 0900-1000 15240, 2200-2400 11945. EG 0745-0930 11840, Sat/Sun 0745-0900 17835. 1400-1430 9505, Thu/Fri/Sat 1445-1500 11920. 1500-1600 9505. Hindi 1500-1600 9535. Indonesian 1000-1100 15240, 1300-1400 11840, 2200-2400 17705. Japanese 1030-1300 on 11765, 1300-1430 15175, 2100-2200 11840. Mandarin 0815-1430 11735, 0815-1500 15350, 1100-1300 9590, 1430-1500 9535, 2200-2300 9515 9655 11915. 2300-2435 15110 11720. Oriya Sat/Sun 1530-1600 11920. Russian 0930-1030 9585, 1500-1600 9590. Santali Sun/Mon/Tue/Wed 1445-1500 11920. Tamil 1430-1500 9505 (via Bill Oliver) Santali? That's a new one on me (gh)

INDIA AIR Ranchi hrd on 4960 9/12 \*0058-0130 E/out. Had AIR IS to 0100, then W ID, xx, M w/ talk in Hindi 0105-0110, then pgm of Hindi songs to TS, HD nx and f/out 0130. F-G at start and clear but for sporadic CW QRM. AIR Alzawl 5050, 1530-1555 9/12 w/Delhi EG nx relay to 1545, then EG feature pgm "Spotlight", also from Delhi. Like some other AIR regionals, this stn makes a regular practice of continuing the Delhi link-up until at least 1600 (Warner UK)

IRELAND R Hexagon will test on 6245.8 (alternatives 6240 6242) 0600-0700 19/12. Addr is 32, Victoria Rd, Salisbury, Wiltshire, Englad (N.B. all stns previously using No. 21, Victoria Rd addr have switched to No. 32). The pgms produced in UK, this stn is transmitted by S Dublin R in Ireland. Sorry about short notice (Mark Warner, UK) That's OK, we got it via Podney Sixe in time to announce on the air (gh)

ITALY R Milano Intl now runs 24h on 6221 w/5 kW // FM & 1300 kHz (which is well heard in WEu 0000+). Often has EG ID jingles w/full name but IT DJs tend to say just "RMI" (erray-emmay-eee -phonetically). World Music R pgms not hrd since original tests in Sept/Oct w/ 400 watts (Mark Warner, Kent, 12/12) More on this in main section

NEW CALEDONIA Nouméa 3355 & 7170 has dropped EG bc Sat eves, formerly hrd at 1100, but has extended s/off to 1300 (Arthur Cushen, NZ, Nov NZDX) On Sats only, I think, and I thought that extension had been in effect for a long time (gh)

NEW ZEALAND RNZ SW svc continues in its present format at least until 31/3/83. After that date it depends on renewed funding. No other changes will be made until increased funds are available (Tony King, NZ, Nov NZDX Times)

SAIPAN /see also main section/ Was not hearing KYOI 19/12 as I was the day before, and here's why: (gh) I called KYOI on the phone 19/12. Said they had been off since that day's 11900 segment, but would be back regular later 'today', and planned to begin commercial programming Tue or Wed (21/12 or 22/12). I had hrd them 1157-1300+ on 11900 w/rock, IDs, "Super-Rock". The person I talked to confirmed the fq sked is 1500-2200 9670, 2200-0100 15415, 0100-0700 15190, 0700-1500 11900. Address for reports is P O Box 795, Saipan, CM 96950. They are expecting hundreds of thousands of letters from Japan, and would appreciate r.p. of a US 20c stamp from American reporters. It would probably be a good idea for Ams wanting a QSL to try to beat the Japanese flood. At the time I called they said they'd been testing for only a sesquiday. No intl direct dialing, but their phone number is 7315; first 3 mins cost me \$9.45 (Tom Gavaras, Plymouth MN) CM=Commonwealth of Marianas?

Don't hear them much on 15415 (co-channel VOA, Libya), and 15190 very weak, but 11900 can be pretty good tho often mixed w/RMWS. Winter allows 9670 to make it QRM-free right thru mid-day, also noted by Jim Conrad in IA. They often pronounce Kyoi as a word (gh)

SINGAPORE SBC basic xmsn sked dated 1/11 says Radio 1=English 2200-1605 on 5052 11940; R 2=Malay 2045-1605 on 7250 6155. R 3=Chinese 2200-1605 on 6000 9635. R 4=Indian 2100-1300 on 7170; R 4=Chinese 1300-1600 on 7170. On the eve of public holidays xmsn closes at 1630. 10 kW on 5010 & 7170, rest 50 kW, w/a variety of ants & targets (Warner, UK)

U S A Recently hrd series of 4-digit #s in SP on 11895, a VOA fq. Sent for QSL and got one showing Greenville, 25/11 0020, v/s Wayne Greene, cf Nov LN (Rob Sobkoviak, Plainfield IL)



NOTE: Thanks to John Herkimer we are able to reduce in size many of the QSLs that we illustrate...Sam.

- CANADA: CPVP 6030 f/d "Skyline" cd. in 22 ds. for ms. v/s JoAnne Caza, Secretary. (Wilkins-CO). CFCX 6005 cd. in 2 wks. (Wilkins)
- CAPE VERDE ISLANDS: Radio Voz de Sao Vicente 7155 p/d cd. in 3 wks. for a PT rpt. and 1 IRC. (Gliksman-IL) cd. in 10 wks. for a PT rpt. (Bishop-PA). f/d prepared cd. in 3 wks for 3 IRCs. (Wilknor-FL). 3930 cd. in 21 ds for a PT rpt. and 2 IRCs. (Reinstein-FL).
- CELEBES: RRI Kendari 4000 p/d ltr. in 3 wks. for an IN rpt. and 1 IRC. v/s Drs. Eddy Sihombing. (Gliksman-IL).
- CHINA: Radio Peking 15520 f/d cd. w/ pennant in 27 ds. (Hosmer-MI). 17680 cd. in 1 mo. (Kacir-MI). 17855 f/d cd. in 35 ds. (Rose-CA). 11500 cd. w/ pennant in 46 ds. (Darling-UK). Hunan PBS 4990 via Changsha cd. in 30 ds. (Warner-UK). BPM 15000 Shaanxi f/d cd. in 162 ds. (Warner-UK). Fujian Front Station of the PLA 5900 f/d cd. in 28 ds. via Peking. (Stephany-NY).
- COLOMBIA: Ecos del Atrato 5020 n/d ltr. w/ cd. in 1 mo. after 3rd f/up rpt. in SP w/ ms. v/s Fredy Lopez Arteaga, Director. (Lobdell-MA). Radio Transamazonica 6035 n/d ltr. in 10 mo. v/s Guillermo Pulido. Station will QSL to either Apartado Aereo 16555, Bogota or to v/s Box 1861, Melbourne, FL. 32901. (Lobdell-MA). Radio Surcolombiana 5010 p/d ltr. in 10 wks. for a SP rpt. and 1 IRC. v/s Luis Carlos Mosquera, Gerente. (Gliksman-IL). same in 73 ds. for a SP rpt. and 1 IRC. (George-NC).
- COSTA RICA: TIPC f/d cd. in 3 mo. for 2 IRCs. (Burke-VA).
- CUBA: Radio Habana Cuba 11930 f/d "Isle of Pines" cd. in 190 ds. (Rigas-IL). 11950 "Colony Motel Pool" cd. in 216 ds. w/ pennant. (Tekulve-OH). Radio Moscow via Habana 11840 f/d "Red Square" cd. in 50 ds. (Tekulve-OH).
- DENMARK: Radio Denmark 11825 f/d "Yndigt Land" cd. in 17 ds. for 1 IRC (Wil-EQUADOR: HCJE 15155 f/d "Flower" cd. in 107 ds. (Paszkiwicz-WI). kins-CO) same in 3 mo. (Roser-PA). 15115 f/d cd. in 3 mo. (Roser-PA). 15360 "DXPL" cd. in 141 ds. (Park-HI). 11900 "Musicians/Pifo" cd. in 141 ds. (Park-HI).
- La Voz del Triunfo 3252 n/d ltr. in 6 wks. for a SP rpt. and 1 IRC. v/s Edison Yanez B., Director. (Gliksman-IL). Escuelas Radiofonicas Populares 5015 p/d ltr. in 7 wks. for a SP rpt. and 1 IRC. v/s Lauro Fulgar, Coordinador. (Gliksman-IL). Radio Nacional Progreso 5063 f/d personal ltr. in 2 mo. for a SP rpt. and 1 IRC. via registered mail. v/s Noe E. Cuenca Armijos, Programa Director. (Gliksman-IL).
- EGYPT: Radio Cairo 9475 f/d "Mosque" cd. in 134 ds. for 2 IRCs. (Pate-MD). same in 38 ds. (Paszkiwicz-WI).
- EL SALVADOR: Radio Venceremos 6850 cd. in 33 ds. w/ poster and sticker for a SP rpt. and 1 IRC. v/s Rolando Martinez. (Rigas-IL).
- ENGLAND: BBC n/d cd. in 76 ds. (Topoleski). VOA 6040 via Woofferton f/d cd. in 55 ds. (Palmerheim-MN). County Radio 7350 cd. w/ ltr. in 45 ds. (Warner-UK). KLA Radio 6745 ltr. w/ prepared cd. in 8 ds. for an SASE. (Warner-UK). Radio Europa 6298 ltr. in 8 ds. for an SASE (Warner-UK). Anchor Radio 6245 prepared cd. in 23 ds. for ms. (Warner-UK). Radio Freedom 4FFF New Zealand via Radio Apollo 7325 ltr. in 15 ds. for 2 IRCs. (Warner-UK). Radio King SW 6232 ltr. w/ prepared cd. in 16 ds. for SASE. (Warner-UK).
- Radio CBN (Australia) 6225 via Britain Radio International cd. in 23 ds. for 2 IRCs. (Warner). Subway Sound 7325 ltr. in 12 ds. for ms. (Warner-UK).

## Pakistan Broadcasting Corporation



BROADCASTING HOUSE.

CHITRA 2222

No. 21051/87-2222

Dear Mr. Latham,

We acknowledge with thanks the receipt of your letter dated 16.12.82 along with a copy of the letter dated 11.12.82 indicating receipt of a copy of your News programme which was received on 17.12.82.

The Arabic programme mentioned in your letter dated 2.1.1983 was not received by us as it contained a copy of the verification of the programme.

Please also note that we are operating our News News programme on 4025 kHz from 21.12.82.

With regards,

Shaykh M. Latham,  
1113 Republic Street,  
New Orleans, LA 70116,  
U.S.A.

Very truly yours,

*[Signature]*

(M. M. M. M.)  
Senior Producer

ANNEE MONDIALE DES  
COMMUNICATIONS  
WORLD COMMUNICATIONS  
YEAR  
AÑO MUNDIAL DE LAS  
COMUNICACIONES



1983



**ENGLAND:** Radio Pandora 6302 ltr. in 23 ds.  
 \* for SASE. (Warner-UK). Radio Avalanche 7325 ltr. in 23 ds. for ms. (Warner) Get this!!  
 \* Voice of the Freedom Fighters of the Oppressed Masses of Number 42 and Special Fried Rice 7325 certificate for ms. in 28 ds. (Warner-UK)...Are we on the same planet? This transmission was no doubt coming from a padded room...Sam. I dare you to print this one Kap.

**EUROPEAN RUSSIA:** Radio Moscow 17700 via Armavir f/d cd. in 40 ds. (George-NC). 12000 via Tula cd. in 53 ds. (Valko-PA). 21490 cd. in 50 ds. (Warner-UK). 21565 via Leningrad cd. in 50 ds. (Warner-UK). 11820 via Voronezh cd. in 50 ds. (Warner). f/d cd. in 31 ds. (Choroszy-ME). 15230 and 21615 via Kingsapp cds. in 50 ds. (Warner-UK).  
 \* 4860 via Moscow (site on cd.) cd. in 2 mo. (Field-MI).

**FEDERAL REP. OF GERMANY:** Deutsche Welle 5960 n/d "Studio" cd. in 25 ds. (Palmerheim-MN) 6145 cd. in 30 ds. (Kanopka-NY). Sudwestfunk 7265 f/d "Ear" cd. in 44 ds. for 2 IRCs. v/s Dr. Schorken, Technical Director. (Stephany-NY). Radio Northsea 6235 form ltr. in 53 ds. (Warner-UK). Radio Montana 6240 cd. in 18 ds. (Warner-UK).

**FINLAND:** Radio Finland 15400 "Finnish Folk Tradition" cd. in 30 ds. (Sobkoviak-IL).

**FRANCE:** Radio France International 17620 "50th Anniversary" cd. w/ pennant in 22 ds. (Sobkoviak-IL). Radio Atlantic 2000 7340 cd. w/ ltr. in 53 ds. (Warner-UK).

**GABON:** RFI 15435 via Movabi cd. w/ pennant in 22 ds. (Warner-UK). same in 26 ds. for a FR rpt. w/ tape. (Clifford-FRG).

**GERMAN DEMOCRATIC REP:** Radio Berlin International 11975 f/d "Rostok" cd. in 3 mo. (Topoleski). 21465 f/d "First Love" cd. in 28 ds. (Tekulve-OH).

**GREECE:** YOA Kavala 11925 f/d "40th Anniversary" cd. in 15 ds. (Clifford-FRG). Voice of Greece 9865 f/d "Samos" cd. in 52 ds. (Rigas-IL). same in 49 ds. for 2 IRCs. (Pate-MD). 15050 same cd. in 50 ds. for 2 IRCs. (Hosmer-MI). 12045 cd. in 110 ds. (Tekulve-OH).

**GUATEMALA:** Union Radio 5980 cd. w/ ltr. in 6 wks. for a SP rpt. (Field-MI). cd. in 11 ds. (Valko-PA).

**HOLLAND:** Radio Nederland 9590 f/d "Van Gogh" cd. in 37 ds. (Topoleski). Tom Cat Radio 6235 ltr. in 24 ds. for 1 IRC. (Warner-UK). Radio Happy Schwett 7285 ltr. in 72 ds. for 2 IRCs. (Warner-UK). Radio Quadro 6235 special certificate, ltr., sticker w/ tape in 69 ds. for a taped rpt. (Warner-UK).

**HONDURAS:** La Voz de la Mosquitia 4910 cd. w/ ltr. & pennant in 106 ds. for an EG rpt. (Warner-UK).

**HONG KONG:** Radio Television Hong Kong 3940 p/d oversized cd. for Apr. 5th reception of special SW broadcast of the China Sea Yacht Race. (Neumann-MO)...Great!

**INDIA:** All India Radio 9912 and 11620 n/d cd.  
 \* in 292 ds. (Palmerheim-MN). 3235 via Gauhati cd. direct for 1 IRC in 172 ds. (Warner-UK).  
**IRELAND:** Newquay Alternative Radio ner-UK)  
 \* 6195 ltr. in 9 ds. for a SASE. (Warner-UK).  
 \* Easingwold Community Radio 6195 cd. for ms in 41 ds. (Warner-UK).

**ITALY:** World Music Radio via Radio Milano  
 \* International 6221 cd. w/ stickers in 40 ds. for 2 IRCs. (Warner-UK).

RONALD HOWARD  
 777 VIA MIFERA  
 CALIFORNIA 93110 U.S.A.

Estimado Sr. Howard:

Efectivamente, fué nuestra emisora la que Ud. sintonizó el pasado 19 de junio en la frecuencia de 6845 MHz., onda corta, en la banda de 49 metros.

Agradecemos en todo lo que vale su reporte de recepción, el cual nos es de gran utilidad.

Igualmente hemos recibido sus tarjetas postales que acogimos con simpatía y alegría.

Esperamos que siga escuchando la emisora de los Grandes Maestros a través de nuestras transmisiones.

A T E N D I E M O S .

POR LA CULTURA Y POR EL

MANUEL CASTELLANO  
 DIRECTOR GENERAL.



PEOPLE'S REPUBLIC OF KAMPUCHEA  
 Independence - Peace - Happiness

To Chris Lobdel  
 P.O. Box 100  
 Stoneham, Mass 01110  
 U.S.A.

Dear sir,  
 With thanks, we acknowledge that your reception reports

on English Program

Dated 14th March 1981

At 1.30 - 12.15 GMT

On 344c MHz. 51 meter band

fully correspond with our station log. Your further reception reports with remarks or suggestions about our program would be highly appreciated.

Thanks again for your letter and post-card

English we have kept as souvenirs.  
 Your name has been put in our mailing list and will be called in one of our Phnom Penh Postbags.

With all our best wishes,  
 Voice of the people of Kampuchea



IVORY COAST: Radiodiffusion Ivoirienne 7215 cd. in 169 ds. for a FR rpt. and 1 IRC.(Warner-JK).

JAPAN: Radio Japan 21610 p/d "Persimmons" cd. in 19 ds. (Paszkiwicz-MI). NHK 17552 same cd. in 1 mo. for USB test. (Palmerheim-MN). 17550 and 21830 cd. in 40 ds. (Valco-PA).

JAVA: Voice of Indonesia 11790 p/d cd. in 55 ds. for 2 IRCs. (Pate-MD). 3 different cds. in 13 wks. for EG/IN rpt. and 4 IRCs. (Kacir-MI).

KAMPUCHEA: Voice of the People of Kampuchea 9695 f/d ltr. in 90 ds. (Gavaras-MN) same in 15 mo. via Hanoi. (Wilker-FL). 11938 form ltr. in 816 ds. (Hardestar-NC). cd. in 612 ds. (Warner-UK).

KAZAKH SSR: Radio Moscow 11770 via Alma Ata f/d cd. in 43 ds. (George-NC).

KIRGHIZ SSR: Radio Moscow 12060 via Frunze f/d cd. in 30 ds. (Hosmer-MI). same in 31 ds. (Choroszy-ME).

KUWAIT: Radio Kuwait 11575 f/d folder cd. in 43 ds. for 2 IRCs. (Pate-MD).

LATVIAN SSR: Radio Moscow 21615 via Riga f/d cd. in 2 mo. (Palmerheim-MN).

LEBANON: Voice of Hope 6215 f/d cd. w/ sticker in 8 ds. (Valco-PA). same in 1 wk. for ms. (Stephany-NY).

LIBERIA: ELWA 4765 f/d "Studio" cd. in 52 ds. for 2 IRCs v/s F. Manuel. (Buer-FL). ner-UK).

LITHUANIA: Radio Vilnius 12020 cd. w/ pennant in 57 ds. (Warner-UK).

MALAGASY REP: Radio Nederland 21480 f/d "Authentic Costumes" cd in 48 ds. (Kirchen-TX).

MEXICO: XERMX Radio Mexico International 15430 f/d cd. in 105 ds. for a SP rpt. and ms. (George-NC). same w/ sticker in 39 ds.

MONACO: Trans World Radio 9495 f/d "Antenna" cd. in (Kanopka-NY). 32 ds. for 1 IRC. Pennant rcvd. (Stephany-NY).

MONGOLIA: Radio Ulan Bator 12070 f/d cd. in 2 mo. (Bishop-PA). f/d cd. in 70 ds. (Gavaras-MN). rcvd. pennant autographed by Mongolias first cosmonaut Jugderdemidiin Gurraghaa. (Field-MI)...Super: "Logo" cd. in 175 ds. for 2 IRCs. (Rigas-IL).

MONSERRAT: Deutsche Welle 11705 n/d cd. in 30 ds. (Kanopka-NY).

NEW BRITAIN: Radio East New Britain 3385 f/d NBC "Map" cd. in 300 ds. for 3 IRCs. (Gavaras-MN). ner-UK)

NEW CALEDONIA: FR3 7170 form ltr. in 67 ds. for a FR rpt. and 2 IRCs. (Warner-UK).

NEW IRELAND: Radio New Ireland 3905 f/d personal ltr. in 1 mo. for 2 IRCs. \* v/s J. Malisa, Provincial Station Manager. (Orcutt-CA).

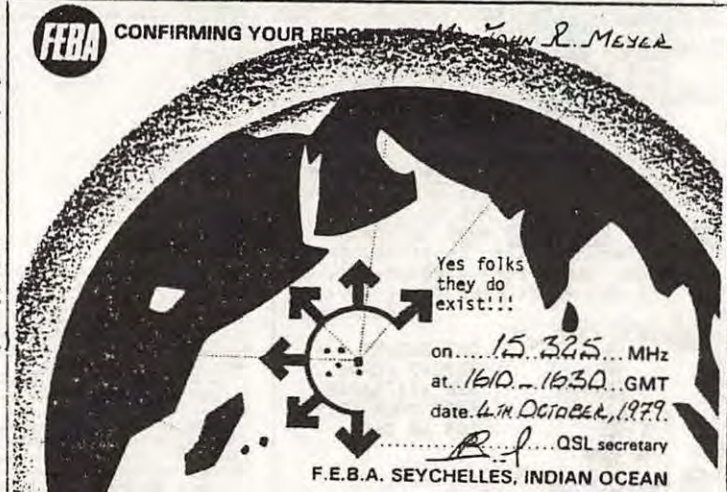
NICARAGUA: Radio Nacional de Nicaragua 5955 p/d ltr. in 98 ds. for a SP rpt. and ms. v/s Rodolfo Garcia G., Director. Pennant rcvd. (Stephany).

NIGERIA: Kwara State Broadcasting Corp. 7145 f/d ltr. in 3 mo. for ms. v/s

H.O. Adewuyi. (Lazarus-LA).  
PRCN 4770  
via Kaduna  
f/d form  
ltr. in 14  
wks. for 1  
IRC. v/s  
Ismaila  
Mohammed.  
(Gliksman)  
same in 6  
wks. for 2  
IRCs. (Burke-VA). in  
83 ds. for  
3 IRCs.  
(Orcutt-CA)



CONFIRMING YOUR REPORT *to Mr. JOHN R. MEYER*



Yes folks  
they do  
exist!!!

on... 15.325... MHz  
at 1610-1630 GMT  
date 4TH OCTOBER, 1979.

..... R. J. QSL secretary

F.E.B.A. SEYCHELLES, INDIAN OCEAN





CUBA INDEPENDIENTE  
Y DEMOCRÁTICA  
SECRETARÍA GENERAL  
10008 W. 27th Terrace  
Miami, Florida 33156  
Teléfono 1308 521-0271

**CERTIFICADO DE AUTENTICIDAD**

Se certifica constar que el señor PAUL E. THOMAS es el titular  
"LA VOZ DEL CIM" en nombre propio, desde los 60 años, en la frecuencia de 5110 KHz, desde las 03:19 a las 04:09 GMT, el día 18 de mayo de 1962.

Agrediciéndole su reportaje, así como a usted  
por afectuosamente,

*Alfredo Aspitte*  
Alfredo Aspitte  
Oficina de Producción Radial  
"LA VOZ DEL CIM"

- NIGERIA:** Radio Borno 6100 personal ltr. in 22 ds. for 2 IRCs. (Warner-UK).  
\* Benda Broadcasting Service 4932 p/d ltr. in 3 wks. for ms. v/s L.I. Asocera General Manager. (Lobdell-MA).  
**NORWAY:** Radio Norway 26030 cd. in 31 ds. w/ schedule. (Sobkoviak-IL).  
**OMAN:** Radio Oman 15105 large and beautiful folder cd. in 19 ds. for 2 IRCs. (Warner-UK).  
**PAKISTAN:** Radio Pakistan 21804 cd. in 103 ds. (Kanopka-NY).  
**PAPUA NEW GUINEA:** Radio Eastern Highlands 3395 personal ltr. in 1 mo. for ms. v/s K. Nige, Technical Officer (name?).  
**PARAGUAY:** Radio Nacional 11915 ltr. via registered mail in 2 mo. for a SP rpt. and 1 IRC. v/s Carlos Montaner. (Dickson-OH).  
**PERU:** Radio Cultural Amauta 4955 p/d personal ltr. in 9 wks. for a SP rpt. & ms. v/s Saturnino Gavilan Nunes. Addr: Jiron Cahuide No. 278. (Wilkins-CO).  
Radio San Martin 4810 n/d ltr. in 6 wks. via registered mail for a SP rpt.

- and ms. Pennant and sticker rcvd. v/s Edgar Portocarrero A., Director General. (Gliksman-IL). Radio Atlantida 4790 f/d ltr. in 121 ds. for a SP rpt. and ms. v/s Ivan Tenorto Matlita, Administrador. (Hensley-TX).  
\* Radio JSV 6060 f/d "Church of St. Francisco" cd. w/ pennant in 6 wks.  
\* for a SP rpt. v/s Rolando Holzmänn. (Field-MI). Radio Oriente 6190 ltr. in 49 ds. w/ pennant for a SP rpt. and ms. v/s Ricardo Arevalo Flores, Administrador and Director Artístico. (Mikell-IL). same in 6 wks. for a SP rpt. Pennant rcvd. (Field-MI). ltr. in 6 mo. for a SP rpt. and ms. (Sparks-CA). Radio Huancayo 5955 ltr. in 3 mo. for a SP rpt. and ms. v/s Juler Valdiguiesias C., (Sparks-CA).  
**POLAND:** Radio Polonia 15120 f/d "Logo" cd. in 57 ds. (Topoleski).  
**PORTUGAL:** Radio Renascença 11730 f/d "Logo" cd. in 43 ds. for a PT rpt. and 3 IRCs. (Orcutt-CA). Radio Free Europe 21720 via Gloria cd. in 6 ds. w/ site. (Rigas-IL).  
**QATAR:** Qatar Broadcasting Service 17910 f/d "Map" cd. in 2 mo. for 1 IRC. v/s Jassem Mohd. Al-Qattan, Head of Public Relations. (Gliksman-IL).  
**ROMANIA:** Radio Bucharest 11940 f/d "Vidraru Dam" cd. in 5 mo. for 2 IRCs.  
**RWANDA:** Deutsche Welle 7225 f/d "EDXC" cd. in 1 mo. w/ pennant. (Hartsell-CA). (Kanopka-NY). 21540 n/d cd. in 75 ds. w/ sticker. (Park-HI).  
**SARAWAK:** Radio TV Malaysia 7270 via Kuching f/d "Broadcasting House" cd. in 29 ds. for 2 IRCs. (George).  
**SEYCHELLES:** FEBA 15200 n/d cd. in 319 ds. (George-NC).  
**SINGAPORE:** BBC 11750 n/d "Bridge" cd. in 1 mo. (Palmerstein-MN).  
**SPAIN:** Radio Exterior de Espana 11880 f/d "Marineros" cd. in 40 ds. (Rose-CA). f/d "Palomas" cd. in 32 ds. (Sobkoviak-IL).  
**SUMATRA:** RRI Tanjung Pinang 3225 personal ltr. w/ postcards in 3 wks. for an IN rpt. and ms. (Neumann).  
**SURINAM:** Radio SRS 4850 f/d folder cd w/ personal ltr. in 31 ds. for 2 IRCs. Decal rcvd. (George-NC). in 711 ds. w/ sticker for 1 IRC. (Warner-UK)



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

**Plateau Broadcasting Corporation**

Telephone & Cable: BROADCASTING, JOE. NUMBER 2168

BROADCASTING HOUR: P. M. & SUN. JOE.

Dec. 20th Sept. 1962

106/104/101/3

JOBIN H. VILPINE  
.....  
JERRY WILSON  
.....  
GREAT BRITAIN, BR. 30411  
U. S. A.  
.....

Dear Sir/Messrs,

Enclosed herewith

I am happy to confirm that it was the 100 lbs you received on 7/20/62 from the ON-50-50-10 2250 KHz. "250" The program then on the air was "LIVE ON 250" as you rightly indicated.

The transmitter, which is 100% first class on the air..... as an effort to improve the broadcasting services of the Plateau Broadcasting Corporation.

It might interest you to know that Joe, where the transmitter is located, is the Capital city of Plateau State of Nigeria. The city is sited on a Plateau..... (name) some 600 feet. The area is blessed with good climate, beautiful scenery and abundance of mineral resources. I trust you satisfactory reception there and goodbye.

SWEDEN: Radio Sweden 9695 f/d  
cd. in 15 ds. (Kirchen-TX).

\* Radio Penguin 7330 ltr. w/  
stickers & tape in 283 ds.  
for 3 IRCs. also 6239 in 38  
ds. (Warner-UK).

SWITZERLAND: Swiss Radio Inter-  
national 3985 via Beromun-  
ster cd. in 30 ds. (Warner-  
UK). Red Cross Broadcasting  
Service 7210 f/d "Globe and  
Headphones" cd. in 20 ds.  
for 1 IRC. (Wilkins-CO).

\* United Nations Radio 14500  
f/d blue and white cd. in 18  
ds. (Gliksman-IL).

TADZHIK SSR: Radio Moscow via Du-  
Dushanbe 15220 cd. w/ new  
pennant in 50 ds. (Warner-UK).

TAHITI: FR3 15170 f/d "Logo w/ Conch Shell" cd. in 30 ds. for 1 IRC. (Step-  
TAIWAN: Voice of Free China 11745 f/d "Butterfly" cd. in 83 ds. w/ lapel  
pin and key chain. (Pieper-MI).

TANGIER: VOA 21630 f/d cd. in 1 mo. (Hosmer-MI).

TURKEY: Turkish State Meteorological Service 6900 p/d form ltr. in 21 ds.  
for 2 IRCs. v/s M. Cemil Ozgul, Director General. (George-NC).

TURKMEN SSR: Radio Moscow 15295 via Ashkhabad f/d cd. in 34 ds. (Orcutt-CA).  
15540 f/d "Red Square" cd. in 34 ds. (Hensley-TX).

UGANDA: Radio Uganda 15325 f/d cd. in 29 ds. for 3 IRCs. v/s Joyce Nalwoga  
Also rcvd. personal ltr. (Hosmer-MI).

UKRAINE: Radio Moscow 9665 via Ivano-Frankovsk f/d cd. in 1 mo. (Valko-PA).  
11720 via Lvov f/d cd. in 6 wks. (Plum-NJ). 21530 f/d cd. in 2 mo. (Palm-  
ersheim-MN). 12060 via Yinnitsa cd. in 6 wks. (Meyer-WI). 15530 via Kiev  
f/d cd. in 6 wks. (Meyer-WI). Radio Kiev 9800 cd. in 71 ds. (Tekulve-OH).  
12020 f/d cd. in 10 wks. (Plum-NJ). 9560 cd. in 60 ds. (Choroszy-ME).

UNITED ARAB EMIRATES: Dubai Radio and Colour TV 21655 f/d "Map/Logo" cd.  
in 26 ds. for 2 IRCs. (Pate-MD). 11755 same in 24 ds. for 2 IRCs. (Hosmer-  
MI). 17775 cd. in 1 mo. w/ pennant. (Field-MI). 15320 cd. w/ pennant in  
9 ds. v/s K.F. Fenner. (Valko-PA).

UPPER VOLTA: Radio TV Haute Voltaique 4815 ltr. in 10 wks. for a FR rpt. &  
1 IRC. (Bishop-PA)...Thanks for the nice thoughts...Sam.

USA: VOA 15410 via Greenville f/d cd. in 300 ds. (Tekulve-OH). 9670 f/d cd.  
in 2 mo. (Kirchen-TX). 15345 via Bethany f/d "Golden Gate" cd. in 300 ds.  
(Tekulve-OH). Voice of Free China via WYFR 11740 f/d "Chiang-Kai Shek  
Memorial Hall" cd. in 2 mo. w/ pennant, sticker and station pin. (Palm-  
ersheim-MN). WRNO 11855 p/d cd. in 74 ds. w/ sticker. (Mayer-PA). f/d  
"Earth and Flag" cd. in 2 1/2 mo. (Huniwell-NJ). f/d cd. in 117 ds. for ms.  
(Palmerheim-MN).

## RADIO TELEVISION HONG KONG

CHINESE RADIO PROGRAMMES — RADIO 1 <sup>743</sup> 640 KHz (AM)

RADIO 2 94 MHz (FM Stereo)

ENGLISH RADIO PROGRAMMES — RADIO 3 <sup>567</sup> 545 KHz (AM)

RADIO 4 91 MHz (FM Stereo)

TRANSMISSION (BOTH SERVICES) 0600-0200 hours (Hong Kong Time)

Radio Television Hong Kong confirms your direct reception report on  
our programme broadcast on 4940\* MHz/KHz and we forward the

official QSL card with compliments.

\* Special weather broadcast for the competitors of China Sea Yacht Race  
(2nd April - 18th April, 1982).

## CERTIFICADO DE SINTONIA

Radiodifusora: RADIO VENCEREMOS

Transmitiendo desde: Territorio Libre de El Salvador

Frecuencia de: 6850 KHz.

Hora: 2045-0306 Meridiano de Greenwich

Fecha: 11/04/82 Hemos comprobado sus detalles de  
recepción y confirmamos que la  
emisora sintonizada es la nuestra.



ECLAUDIO MARTINEZ

hany-NY)

9705 "Logo"  
cd. in 75 ds.  
(Topoleski).  
same in 45 ds  
w/ sticker.  
(Tekulve-OH).  
6155 "Worlds  
Fair" cd. in  
64 ds. (Step-  
hany-NY).  
WYFR 9675  
f/d "Logo" cd  
in 14 ds.  
(Topoleski).



**VERIFICATION SIGNERS:** Radio Nacional de Angola 4820 Miguel Bras, Director. Radio Cultura San Paulo 17815 Olimpio Jose Franco. Radio Satellite 6725 Sabino Llamo Chavez, Gerente. Radio Nacional de Sao Tome 4807 Antonia Sebastiana. Radio Tropical Tarapoto 4935 Juan Pablo Mori, Director. Radio Uganda 5026 Florence Nscieko. Radio Nacional Arcangel San Gabriel 15474 Hector Norberto Iglesias. Radio Habana Cuba 11760 Maria Montero Triana. Radio El Mundo 15290 Amelia Ferreras. Radio Clube Ribeirao Preto 15415 Jose I.G. Pizanti. Radio Buea 3970 Amos Evambe. Radio Reloj 4832 Francisco Barahona. Radio Denmark 11825 Nikolaj Ifversen. Radio Oriente 3284 R. A. Flores. Radio Cuzco 6195 Hernan Gustavo Infantes Gibaja, Executive Director. Radio Emisora Abaroa 4710 Rolman Medina Mendes, QSL Manager. Radio Luz y Vida 4850 Suor Yolanda. Radio One 6221 Luigi Cobisi. Radio Time Scandicci 6275 S. Mannelli. FRCN Enugu 6025 B.A.O. Orogbu, Assistant Chief Engineer. Sunrise Radio 11415 Frederik Steyn, Chief Engineer. Radio Cultura da Bahia 9595 Ojalma Costa Lino. Radio Surcolombiana 5010 Luis Carlos Mosquera, Gerente. Radio Nacional Arcangel Sao Gabriel 15474 Jose Bilbao Richter. Radio Educadora Rural Campo Grande 4755 Bel. Alton Guerra, Gerente. Radio Neiva 4855 Edith Arias M. HD210A 7600 Romero A. Lascano, Director. Radio Nepal 5005 K.B. Khatri, Chief Engineer. Radio Guarani 6175 Andre Ferreira de Carvalho. AIR Aizawl 5050 K.P. Knambiar, Director. Radio One 6221 L. Cobisi. Radio Carora 4907 Carlos Gonzalo Gonzales, Director-Gerente. Radio Uganda 5027 Florence Nscieko. Radio Tropical Tarapoto 4935 Juan Pablo Mori, Director. Radio Satellite 6725 Sabino Llamo Chavez, Gerente. Radio Nacional de Sao Tome 4807 Antonia Sebastiana.

**USA:** Radio 16 3240 (Harmonic of 1620) power 100mw! Owner said that the transmission was in accordance with Part 15 of the FCC rules for low power AM transmitters. (Field-MI). Radio Clandestine 7360 f/d ltr. in 27 ds. (Reinstein-PL).

**USSR:** Radio Moscow 15135 cd. in 2 mo. (Roser-PA).

**UZBEK:** Radio Tashkent 11785 f/d "World/Map w/ Logo" cd. in 7 wks. for a taped rpt. and 1 IRC. v/s Nadira Babadjanova, Correspondence Section.

**VATICAN:** Radio Vatican 9645 f/d "Antenna" cd. in 2 wks. (Kacir-MI), for 2 IRCs. (Kirchen-TX). 15120 f/d "Studio" cd. in 29 ds. w/ sticker.

**VENEZUELA:** Radio Turismo 6180 n/d plastic sticker in 75 ds. (Rose-CA). for a SP rpt. and 1 IRC. (Palmerheim-MN). Radio Carora 4907.5 p/d ltr. in 4 wks. for a SP rpt. and 1 IRC. v/s Carlos Gonzalo Gonzales, Gerente General. (Gliksman-IL). Radio Rumbos 4970 f/d cd. in 13 mo. for a SP rpt. tape and 1 IRC.

**Verification of Reception**

We acknowledge with thanks your Reception Report of

our Radio transmission at Carthage G.M.T.  
7:25 KHZ on 2.470 Carthage 16

RADIO CAIRO  
 EXTERNAL SERVICES  
 P. O. BOX 568 - CAIRO - A.R.E.

from the Passkiewicz files

**Vérification de réception**

Nous vous remercions de votre rapport d'écoute sur

notre émission à destination de .....

sur ..... KHZ en date du .....

à ..... G.M.T.

RADIO DIFFUSION EGYPTIENNE  
 SERVICES ÉTRANGERS  
 B. P. 568 - LE CAIRE - E.A.E.

**VANUATU:** Radio Vanuatu 7260 cd. in 9 wks. for a PR rpt. and 2 IRCs. (Neumann-MO).

**CAIRE:** Radio Candip 5066 form ltr. in 122 ds. for a PR rpt. tape and 3. (Warner-UK)

**NOTE:** This month we had 101 countries reported to the column. Not too bad. There were a few new stations in the column especially from the UK, Cape Verde, Holland, Ireland, Italy, Peru and the USA. Gliksman reports that Radio Nacional Progreso 5063 needs a new crystal to avoid drifting. If you can help write to the v/s. John Topoleski of 9315 Crispin St., Philadelphia, PA. 19114 is looking for receiver reviews on the ICF-2001, CRF-330K and DX-100. Any takers?

**FOR SALE:** Your editor has an HQ-145A that he is willing to part with... any offers? Very good condition.

*see next time - next of 25/1/79*  
*Carthage*

**RADIO VALERA**

**RADIO VATICAN**



1500: 25650 (to 1515), 21710, 21660, 21550, 21470, 17790, 17740 (from 1515), 17705, 15070, 12095, 11750  
 1600: 21710, 21660, 21550, 21470, 17830, 17740, 17705, 15260, 15070, 17750  
 1700: 21710, 21470, 17830, 15260, 15070, 12095, 11750, 9410  
 1800: 15070, 12095, 11750, 9410  
 1900: as 1800  
 2000: 15260, 15070, 12095, 11750, 9410  
 2100: as 2000  
 2200: 15260, 15070, 11750, 9410  
 2300: 15260, 15070, 11750, 9915, 9410, 7320, 6175, 6120, 5975

ARGENTINA RAE, 11710, in EG 2234-54; good. Nx, ID, latin mx, weekly talk on Falklands (a/k/a beating a dead horse--tba) w/ talk on British occupation over the years, allegedly from authentic documents. (Richard D'Angelo, PA 11-24)

BELGIUM BRT, 6225, in EG 2200; very poor w/ usual format. Bothered by all kinds of fading. (Vlad Cucura, PA 12-15)

BRAZIL R. Rib. Preto, 3205, in PT 0810-15; fair. Usual mx selection, M anncr, talk, two ads, TC, ID and more mx. (Stu Klein, NJ)+++Lins R. Cl., 3225, in PT 0805-10; fair. Samba mx, M anncr, ID, TC, talk and more mx. (Klein, NJ)+++Bauru R. Cl., 3275, in PT 0735-40; fair. M anncr, pgm of pop mx, ID/TC. more talk and mx. (Klein, NJ)+++R. Alvorada, 3335, in PT 0815-20; splash off CHU. M anncr, talk, ID, accordion mx. (Klein, NJ)+++R. Educ. de 6 de Agosto, 3409, in PT 1015-1030; poor. M anncr, accordion mx, several ID/TCs, talks. (Klein, NJ)+++R. Jornal do Brasil, 4875, in PT 0105-10; fair. Nice full ID by M, into samba mx, ad, TC, more mx. (Klein, NJ)+++R. Nac. Tabatinga, 4815, in PT 1001-07. Sign on, theme, ID, RadioBras slogan, and another ID by W dj who continued pgm. Later M&W djs. (Charles Bolland, FL 12-11)

CHINA R. Peking officially changes its name to R. Beijing as of 1-1-83. (Juan Illa, FL)+++Peking, 3360, in CH 1045-50; fair w/ UTE QRM. CH b'cast to Taiwan. (Klein, NJ)+++Peking, 5975, in KR 1120-25; vy good. Talks and nice local instrumentals. Not // expected 6955. (Klein, NJ)+++Peking, 6560, in RS \*1000-05; very good. EIR IS, M&W anncrs, Russian ID and into RS talk. (Klein, NJ)+++Peking, 6290, in CH \*1100-20; vy good. EIR IS, 2 W anncrs, CH ID, "...guangbo dentai" and into CH talk. (Klein, NJ)+++CPBS1, 6750, in CH 1110-15; vy nice CH opera mx, W anncr and // usual freqs. (Klein, NJ)+++Peking, 6825, in lang \*1100-05; EIR IS, M&W anncrs, ID in lang, and into talk. (Klein, NJ)+++Peking, 6955, in lang (FE type but not KR) 1105-10; Probably nx. Not // 5975 as in past. (Klein, NJ)

COSTA RICA R. Casino, 5954, in lang 1125-30; strong and clear. LAM mx, M anncr, ID, psa, several ads, more mx. (Klein, NJ)

ECUADOR Ondas Quevedenas, 3325, in SP 0740-45; fair. M anncr, echo effect ad, echo ID, echo TC, latin pop mx. (Klein, NJ)---Same, 1025+; TC, ads, talks and all w/ echo effect. Presumed since no ID heard. (Bolland, FL 12-11)+++R. Bahai, 4996, in SP 0224-43; fair. M&W anncrs, mx and occasional TC by W. ID by M 0239. (Bolland, FL 12-11)

EUROPIRATE Presumed WMR, 6221.2 in EG 0310-52 12-15 noted w/ WMR ID and notation for FM 101, which they've used in European rpts. Also noted w/ something like R. Milana or R. Alana ID as well. Real or fake? (Cucura, PA)

FR GUYANA Cayenne, 3385, in FR 0256-0300\*. S/off proceedings and anthem. (D'Angelo, PA)---Same, 6170, in FR 1018-32; M anncr w. talk, mx 1028 w/ W voice-over. ID followed. (Bolland, FL)

GHANA CBC-1, 4915, in EG 0600-15; vy good. M anncr reporting on aborted coup attempt. (Lyle Mahlberg, MN)

KOREA (DEM REP) V Rev. Party Reunification, 4120, in KR 1030-35; W anncr w/ jabber. (Klein, NJ)+++Pyeongyang, 6540, in JP 1120-25; mentions Kim Il Sung. (Klein, NJ)

MEXICO R. Huaycocolta, 2390, in SP 0045-0107; M w/ regional nx. Mx between items. ID 0103. (Bolland, FL)

PERU R. del Pacifico, 9575, in SP 1129-35; spoken and sung IDs. W w/ talk. (Bolland, FL 12-12)

SAUDI AFABIA BSKSA, 11855, in EG 1850; world wx. (Mahlberg, MN 12-3)

SURINAM SRS, 4850, in DT 0357-0429\*; EzL mx and ID at s/off. (Mahlberg, MN 12-10)

USSR Kalinin, 4055, in RS 0500-15; classical violin, M anncr, more of same. Presume M3 and // 4850. (Klein, NJ)+++Petrozavodsk, 4780, in RS 0745-0802; vy strong! M w/ talk then W w/ talk, xylophone bridge. // 5065. (Klein, NJ)+++Baku, 4785, in RS 043-35; fair. M anncr and into mx. (Klein, NJ)

VENEZUELA R. Nac., 9530, in SP 1100-05; sign on, anthem and ID. (Bolland, FL 12-11)

VIETNAM Lai Chau, 6510, presumed in VT 1140-45; M&W anncrs w/ talk, and some mx. Mostly talk. (Klein, NJ)+++VoV, 10080, in EG 1110-20; W w/ talk on China's refusal to abide by her treaties w/ Vietnam. (Bolland, FL)



# LOG REPORTS

## section A

2000 to 4899 kHz

Editor: Stu Klein, 642 Cranbury Cross Road, North Brunswick, NJ 08902

Welcome to the first edition of LR-A for the new year! Hope you all had a really nice holiday season. We have some nice loggings this time around, so here we go:

- \*2310 CHINA Yunnan PBS; 1400 Trad CH mx, vocals, YL w/CH ID. p(Robertson 11/14)  
 2340 CHINA Fujian PBS; 2205 CH morning show, soft mx. g(Wood-SA 11/20)
- \*2370 FALKLAND ISLANDS FIBS; 0032 Tune-in w/rock mx px, hosted by OM/YL in EG, incl mx from 1970-72. Requests for requests 0050, incl ID & TC. F/out 0121. (Lobdell-NJ 11/25) 0018T Rock & folk mx, M/ann in EG w/Brit accent, f/o 0100. (Bolland 11/19) As Unid 0020-0045 Vocal mx, pops, M/ann in EG. (Perdue, Wilkner)
- 2390T MEXICO R.Huayacocotla; 0032 Good sig to f/out 0050 with sevl ment Huayacocotla (tent). (Wilkner 12/7)
- \*2490 BRASIL R.Educ. Rural Coari; 0037 Long PT tkl by W speaking vy slowly, 0100 Class mx & ID, foll by M w/second ID. f/vg(Wilkner 12/7) 0212 M w/px of lite mx, 0219 ID & tkl. (Cucura 11/29) 0030T M/ann, wk in QRN, no ID poss. (Billier 11/29)
- \*2746 KOREA,N Sinuiju; 1254 KR tkl to 1300 time pips, M & W tkl. Noted // to these others: 2776 (Hamheung), 2850 (Pyongyang), 3030 (Wonsan), 3320 (Pyongyang), 4274 (Kanggye). (Walcutt-HI 11/25) Listed sites per WRTVH--sdx
- 2850 KOREA,N Pyongyang; 1100 Patriotic mx, M/ann. wk. //11350(Biller 11/15)
- 3205 BRASIL R.Riberão Preto; 2357 M & W tkl together in PT. ID on hr. p(Bolland 11/16) 0810 Typ PT pop mx, M/ann w/tkl, 2 ads, ID/TC, more mx. f(Klein 12/11)
- \*3205 INDIA AIR Lucknow; 0045 HD nx by M. f(Wood-SA 11/10)
- 3210V MOZAMBIQUE Maputo; 1955 PT, US soul mx. g(Wood-SA 11/20) 0301 Presumed nx read by F. wk but clear(Biller 11/13) 0306 M w/nx, ID, lcl Af mx. (Cucura 11/29) 0310 OM DJ w/px of EG pops. (Murff 11/21) 0310T Can hear mx over noise, M w/tkl after, but too wk to copy. 0324 f/out. p(Bolland 11/28)
- 3220 CHINA Beijing; 2155 CH M/YL alternating tkl. g(Wood-SA 11/4)
- 3220 ECUADOR HCJB; 0321 SP tkl on Ecuador-American economic situation. f(11la 11/19) 0353 M w/SP nx, full ID, into EZ mx. p/f(Gilster 11/10)
- 3222 TOGO Lama-Kara; 2149 M w/FR nx, ID, lite mx. (Cucura 11/21) 2203 FR Dj w/EG soft rock mx, ment Lama-Kara. f(Cobb 11/21)
- 3225 BRASIL Lins R.C.I.; 0805 samba mx, M/ann w/ID, TC, tkl, more mx. f(Klein 12/11)
- 3225 VENEZUELA R.Occidente; 0100-0355\* YV mx, tkl, IDs, TCS, ads, etc, NA at s/off. (Gilster, Jordan, Murff) 1020-1052 Similar px. (Choroszy, 11la)
- 3230 LIBERIA ELWA; 2155 W/ann w/Af lang rel tkl. g(Wood-SA 11/4)
- \*3230 PERU R.El Sol de los Andes; 0408 Overriding ute w/px of nondes LAM mx, ann by M w/ID, then 2 ARO in SP wiped it out. (Lazarus 11/24) 0940 Flute mx, vocals, nice ID 1000, foll by M in SP. g(Barto 11/24) 2323T M talking, difficult to catch just due to heavy lcl storm QRN. p(Bolland 11/16)
- 3230 SOUTH AFRICA R.RSA; 0310 EG nx px, ID, US pop mx. //other listed outlets, all p. (Alexander 11/13) 0315 EG tkl by M, ID, freqs by W. (Marker 11/25)
- 3235 BRASIL R.C.I. Marilia; 2310 Strong w/ranchero mx, many ment Marilia. (Perdue)
- 3240 PERU R.America; 0050 OM/ann w/spts coverage, ID & QTH 0100, back to spts px. p(Jordan 11/18) 1028 LAM vocals, clear ID 1030 foll by M/ann w/tkl. f(Barto 11/20) 1031 SP ID, nx. f(Jones 11/13)
- 3255 LIBERIA LBS; 2226 EG mx & tkl. Around half hr. ann gave series of names of listeners requesting tunes, and ID. f(Bolland 11/22) 2259 M w/TC, drums, ID, nx. (Cucura 11/21) 2308 YL w/nx, many ment Liberia in items. f(Moman 11/5)
- 3256 VENEZUELA LV de El Tigre; 0308 Usual LAM pops, ID as "R.980," into chimes & nx. p in QRN & QRN(Gilster 11/19)
- 3260T ECUADOR LV de Rio Carrizal; 0217 Mostly SP group vocals, couple of ballads, M/ann betw. Did catch part ID, but never complete. (Moritz 12/1)
- \*3275 BRASIL Bauru R.C.I.; 0735 M/ann w/px of PT pops, ID/TC, tkl, more mx. f/QRN. Was surprised by this rather than Alagoas. (Klein 12/11)
- 3275 BRASIL Unid; 2300 Tkl, prob part of A Voz do Brasil px, as noted // others. Vp reception. (Field 11/25) Could be either of two ment above--sdx
- 3275 VENEZUELA R.Mara; 2329 Nx in Ind lang to 2335 lcl mx to 0009 SP ID, ads. This on lcl Sun eve. g(Bolland 11/28) 0336 Class guitar mx, into LAM vocals & inst mx. Full ID & s/off ann, NA, 0355\*. (Gilster 11/9) 0440 M w/request px of LAM mx, ID, ann, NA, & 0508\*. (Cucura 11/19)
- 3275 SWAZILAND TWR; 0256 Mara off leaving this w/EG ID & into vernac tkl at 0300. In quite well. (Moritz 11/29) Listed Zulu--sdx

- 3279.8 ECUADOR LV del Napo; 1005 HC & LAm pop mx, M/ann. (Alexander 11/12)
- 3285 BELIZE RB; 0037 EG ann for lcl meeting, needed LSB to escape CW QRM. f(Moman 11/77) 0135 End of EG spts nx by M, ID, lcl mx. p/f(Gilster 11/9) 0155 EG ID, romantic mx px, BBC nx 0300. (Illa 11/19) 0300 BBC nx, wx for country, mx. f(Burke 11/29)
- 3298 MADAGASCAR Antananarivo; 1955 Paris produced FR drama. f(Wood-SA 11/20)
- \*3295T INDIA AIR Delhi; 1445 Tik, tent ID as AIR, into chants. vp(Moman)
- 3300T BURUNDI Bujumbura; 0303 Mixing with Guatemala, Af tribal mx, M/ann in lang. Pretty well covered by t/out 0319. (Moritz 11/29)
- 3300 GUATEMALA R.Cultural; 0400 EG freqs by OM, into EG rel px. f(Moman 11/18) 0426 EG gospel mx to 0430 end EG px. (Cooper 11/14)
- \*3316V ECUADOR R.Pastaza; 0022 Mx, SP tik by M, 0030 nx by M & W, tik, ID on hour, fol by mx. (Bolland 11/17) 0140 Mx px, s/off w/NA 0405. (Field 11/25) 0301 First time in # of years w/SP ballads, singing cmcl, M w/ID 0320. 0401 Recheck shows NA & 0404\*. (Moritz 11/25) As Unid 0143 LAm mx, SP tik. f(Moman 11/18)
- 3325 ECUADOR Ondas Quevedeñas; 0440 OM ann w/echo IDs, LAm pop mx, many v/overs. vp, ute & CW QRM(Jordan 11/18) 0740 M/ann w/echo effect ads & IDs, TC, etc, to LAM pops. f/ute QRM(Klein 12/11) 1005 Mensajes, comunicados, ads, OM ann w/many IDs. Bad ute(Wilkins 11/20) 1015 SP ID, echo ann & tik, no mx. (Alexander 11/26)
- 3325 GUATEMALA R.Maya; 0414 LAm pop tunes, ads & ann, 0432 ID. (Cucura 11/29)
- \*3330 RWANDA Kigali; 2058 FR s/off ann: "Ici la Radiodiff. de la Rép. Reandaise. Nous émettons (all freqs). Rendez-vous demain matin." Same in Kinyarwanda, sounded just like SH, numbers the same, NA, 2100\*. g(Wood-SA 10/24)
- 3330 UNID 0330 Mx px, M tik but too wk to make lang, much int from CHU. (Field)
- 3335 BRASIL R.Alvorada; 0815 Fair w/CHU splash, M/ann w/ID, tik, to accordion mx sel. (Klein 12/11) 2338T M tik w/CHU QRM. Cont tik to hr. p(Bolland 11/16)
- 3335 SWAZILAND TWR; 0257 IS & lang ID. Decent level(Biller 11/13) Listed Tshwa--sdk
- \*3339 MOZAMBIQUE Maputo; \*0250 IS, mult-lang IDs, into NA, chimes, M/ann in PT w/tlk. 3210 in well same time. This xnt(Moritz 11/25)
- \*3339 ZANZIBAR RTZ; 1958 SH ID, "Hi ni Sauti ya Tanz. Zanzibar," list day's pxs, ID again, milit band NA, 2000\*. g(Wood-SA 11/20)
- \*3350 GHANA Ejura; 2235 Choral rel chanting mx, F/ann w/tlk, back to mx, nx 2245 in // 3366 Accra. f/ute QRM(Klein 11/30) 2211T Vernac tik, prob rel px w/rel organ mx. f(Bolland 11/28)
- \*3360 CHINA Beijing; 1045 CH bcst to Taiwan, F/ann w/constant jabber. f(Klein)
- 3360 GUATEMALA LV de Mahualá; 0130 M/ann w/SP tik, to marimba mx, ID, tik. f(Jordan 11/13) 0220 "Noche Social" px, marimba mx, 0257\*. (Illa 11/28) 1159T OM w/lang tik, no ID 1200, into inst mx. Ute QRM LSB. f(Moman 11/18)
- 3366 GHANA Accra; M w/EG tik, to diff ann w/px notes for rest of day. 2210 Rel px begins. f(Bolland 11/28) 2245 F/ann w/EG tik, nx, running // Ejura 3350 - vy strange! f(Klein 11/20)
- 3370 GUATEMALA R.Tezulutlan; 0045-0158\* in SP & lcl langs, //4835. (7 rep)
- 3375 BRASIL R.Nal São Gabriel; 0228 M w/full PT ID on half hr, into px or recorded mx. f(Bolland 11/16) \*0900 Opening ann, full ID, ment RadioBras, lcl mx, ann, ads, M & W ann. (Alexander 11/12)
- 3380 GUATEMALA R.Chortis; 0142 Alt tik by M & W/ann, ID by OM, marimba mx. p(Jordan 11/13) 0304 M w/SP s/off ann, marimbas in bckgnd, 0307\*. (Gilster 11/12)
- 3381 ECUADOR R.Iris; 0338 Fast paced SP mx, strong sig but muffled audio. M at 0357 w/ID, NA, 0400\*. (Moritz 11/27) 0426 Ads, M w/s/off ann, NA, 0435\*. (Cucura 11/12) 1020 HC mx, ann, ID. (Alexander 11/26)
- 3385 FRENCH GUIANA FR3 Cayenne; 0100-0301\* Calypso mx, pops, FR tik, etc, to s/off ann & FR NA. (6 rep)
- 3395 ECUADOR R.Zaracay; 0216 Tropical mx & ballads, M w/reverb ann, ID 0222. (Moritz 11/18) 0321 Mostly nonstop vocals, ID by M. Surprisingly strong(Gilster 11/9) 1005 HC mx, ads, ID, jingles. (Alexander 11/26)
- \*3409 BRASIL R.Educ. 6 de Agosto; 1015 M/ann w/px of accordion mx, sevl ID, TC, tiks. //p, wk, QRM(Klein 12/5)
- \*3427 WEST IRIAN RRI Manokwari; 1238 IN pops-all by same YL vocalist. (Wilkins 11/11)
- 3910 JAPAN FEN; 1230 EG pop mx. (Zilmer 12/1)
- 3925 JAPAN NSB; 0641 Fast JP tik in song-song delivery. f(Halbert 11/16) 1025 M tik for few min before 1100 foll by ads, TC, nx. f(Bolland 11/16)
- \*3940 CHINA Wuhan PBS; 1355 OM w/EG tik (lang lesson?) to 5 pips 1400, CH ID, & into CH px. (Murff 12/1) Probably so--sdk
- 3970 GERMANY W R.Liberty; 0140 RS tik by M & W, many ref to Moscow & USSR, IS & ID 0200. f(Jordan 11/18) Listed as via Biblis--sdk
- 3985 GERMANY W R.Liberty; 0210 Lang tik by M & W. ID by W 0230, into diff lang but same format px. f/p(Jordan 11/15) Listed Eston foll by Latvian via Biblis--sdk
- \*3985 KOREA S Ecno of Hope; 1355 OC, s/on mx, 1359 gongs & ID, opening theme, & into px in KR. (Walcutt-HI 11/25)
- 3985 SWITZERLAND SRI; 0700 EG Dateline px, nx, Swiss mx. vg(Krist 11/11)
- 4000 CAMEROON Bafoussam; 0537 EG nx to 0543, Xmas mx, Coke ad. (Ravenhorst 1/30)

- \*4055 EURSFSR Kalinen; 0500 Vy nice class violin mx sel, foll by M/ann in RS, to nother similar sel. vg, running //4860. (Klein 12/12) 0428T Inst mx, mostly piano, M/ann in RS or similar. Bad QRM(Moritz 11/18)
- \*4120 KOREA,N V.Rev. Party Reunif.; 1030 F/ann w/KR jabber to mx bridge, M/ann w/more jabber. f/g(Klein 12/6) 1341 KR, into EG 1400 //4557, IDs as "Coming to you from Seoul, Korea. This service comes to you from the Rev. Party. for Unification." Gave times, freqs. (Walcutt-HI 11/25) 1427 EG ID by YL, end of half-hr EG px. f(Moman) Dave points out that since they ID as coming from S.Korea, this can be considered a clandestine bcst.--sdx
- 4220T CHINA Xinjiang PBS; 0026 Tlk here in lang, TBS list Mong. f(Moman 11/18)
- 4275 KOREA,N Kanggye; 1425 OM w/KR diatribe, faint ID. p(Robertson 11/14)
- 4450 USSR R.Afghanistan; 0230 Tlk by F, then M 0240. //4740 Much stronger. F/out 0240. (Billler 11/13) 0150T Faint tkl by OM, 0151 chanting. TBS lists Kabul. f/p(Moman 11/18) Latest monitoring info suggest that these come from USSR--sdx
- \*4635T TADZHIKSTAN Dushanbé; 0040 M & W in lang w/mx & tkl. Mx to hr when nx is presented. p(Bolland 11/21) 0137 M & W alt tkl for long periods, some inst mx. Pips 0200, into M w/presumed nx. First time in a couple seasons. (Moritz 11/22) Most of the RS regionals are coming in well so far this season--sdx
- 4656 ECUADOR CRE; 2356 Just caught ID as CRE by OM. f(Moman 11/17) 0149 Lcl nx by rpters in field, ID 0158. f(Gilster 11/9) 0306 Soccer cmty after ID. (Smith 11/9) 1041 Rel tkl by M, hymn, ID 1102. (Purdum 11/17)
- 4680 ECUADOR R.Nac. Espejo; 0425 Medly of Lam vocals w/yipping and yells connecting Together the songs. f(Gilster 11/9)
- 4697T BOLIVIA R.RiberaIta; 2300 M w/SP tkl & mx, 2315 believe hrd nx. p(Bolland 11/16) 2357 Faint SP OM tkl, mx betw ann. vp(Moman 11/17) 0340 Lively OM ann w/variety of Lam pops. vp(Murff 11/21)
- 4719 CELEBES RRI Ujung Pandang; 1115 W w/IN nx, ment RRI & Ujung Pandang. (Perdue 11/8) 1159 SCI, M/ann w/nx 1200. f, ute off(Biller 12/3)
- 4719V BOLIVIA R.Abaroa; 2249 in here w/mx, M/ann w/SP tkl, ID. p(Bolland 11/16) 0404 OM DJ w/US & Lam pop mx, ID, more mx. (Murff 11/22) 0244T Faintly under ute(Moman)
- \*4725 BURMA BBS; 1315 F DJ w/local lang mx px, 1950's style rock & roll format. ID 1329, chimes, then nx. (Murff 12/1)
- 4735T CHINA Xinjiang PBS; 0001 YL in unusual lang, listed Uighur. f(Moman 11/18)
- 4740 BOLIVIA Unid; 1039 Thought Mamore bu ID unclear. SP vocals w/TCs as "hora Boliviano" betw sels, ID 1042 seemed like "R.RiberaIta informe la hora!" but not sure. Needs more checking. (Lobdell 11/28)
- 4740 USSR R.Afghanistan; 0130-0230 Lang tkl, ME & NE mx, //4450. (6 rep) 1249T Singing/chanting, OM tkl. Not //4450. (Moman 11/18)
- 4750 CAMEROON Bertoua; 2030-2305\* FR tkl, Af mx, nx, NA, off. (6 rep)
- \*4760 CHINA Yunnan PBS; 1410 M & W w/EG lang lessons. (Murff 12/1)
- 4760 VENEZUELA R.Frontera; 0035 SP tkl by F, sevl ads, tkl by M, back to F, finally TC/ID by M. f(Klein 11/30) 0322 Lively inst mx to 0347 M in SP. Couple ID, closing ann, NA & 0358\*. (Moritz 11/25) 1002 March mx, full ID, mx. p(Bolland 11/20) 1029 SP guitar mx, full freq list, ID, QTH, etc. (Lobdell 11/17)
- 4765 LIBERIA ELWA; 2040-2302\* EG tkl, rel px, nx, etc., NA, off. (7 rep)
- \*4770 KOREA,N KCBS; \*1159 Regular IS, into unknown lang, too wk to ID other than via the IS. (Billler 11/11) In years past this has been in KR--sdx
- 4770 NIGERIA Kaduna; 2040-2300 Mx, lcl nx, natl nx net, etc. (Choroszy, Moman) 0415-0610 Usual tkl & mx px in EG. (Cobb, Cucura, Witzig)
- 4770 VENEZUELA R.Bolivar; 0208 Bright n'bouncy Lam vocals, freq IDs. vg(Gilster 11/9) 0930 Mixed tempo Lam mx, clear ID, bad QRM. (Sharpe 11/21)
- 4775T INDIA AIR Gauhati; 1150 Indian mx, tkl, far too wk to ID. (Billler 11/13)
- \*4780 KARELO-FINNISH SSR Petrozavodsk; 0540 M w/RS tkl about US nuclear arms. (Cucura 11/19) 0745 Astonished by lcl level sig, M & F w/tlk, mx bridge, then F w/more tkl. Noted in // to 5065 at lower level. vg(Klein 12/11)
- 4780 VENEZUELA LV de Carabobo; 0255 OM tkl, Lam mx, 0300 had 3 IDs, more tkl & mx, some ads. f(Hensley 12/1) 0310 Ballad mx, mixed w/TCs, ads, IDs. g(Gilster 11/12) 0338 Tlk by M, ID, rumba mx. f/g(Dunavan 11/28) 0909 ID, pops. f(Haibert 11/26)
- 4781 HONDURAS R.Juticalpa; 1110 SP chatter, ads, ID. (Perdue 11/8) 1123 Px "Alborada Ranchera" mx, ID. (Illa 11/19) 1135 OM DJ w/ranchera mx, ID. f(Jordan 11/19)
- 4783 MALI Bamako; \*0600 IS, NA, ID by M as "Ici Bamako..." foll by freqs and ment of 60 M band. Vg and hrd nightly. (Valko 11/26)
- 4785 AZERBAIJAN Baku; 0416 W w/px of ME mx, ID in Azer as "Danishyr Baku." (Cucura 11/20) 0430 M/ann w/short tkl, into mx px. f/QRM(Klein 12/1)
- 4785 BRASIL R.Ribamar; 0317 PT vocals by OM, jingles, Ribamar IDs by YL. f(Smith)
- \*4789 WEST IRIAN RRI Fak-Fak; 1128 W w/TK, ment Fak-Fak. (Perdue 11/12) As Unid 1230 tkl by M/ann, nondes mx. Vy wk, f/out 1245. (Billler 12/3)
- 4790 PERU R.Atlántida; 2320 Surprised to have Peru this early, good sig, OM w/ID. f(Moman 11/17) 0334 M w/rapid fire tkl, TCs betw disco mx. f/g(Gilster 11/24)
- 4795 ECUADOR LV de los Caras; 0040-0245 Disco, MoR, & Lam mx, tkl, etc. (7 rep)

- \*4800 INDIA AIR Hyderabad; 0030 EG nx by YL. g(Wood-SA 11/10) 1215 Ind sounding mx. Wk, to 1200 f/o. f(Biller 12/15) 1401 Nice spts coverage of IX Asian Games, ringside ann in EG for boxing. p/f(Howard 11/28) 1430 EG ID in heavy QRM, 1502 EG nx, ID by OM. (Moman)
- 4800 VENEZUELA R.Lara; 0000 SP sports coverage, Maracaibo vs. Valencia. My 2nd YV here. g(Wood-SA 11/15) 0216 OM ID w/bcngd mx - Silent Night - LAM vocals. g(Hensley 12/1) 0342 M w/long s/off, W w/ann, NA & 0351\*. g(Gilster 11/16)
- 4805 BRASIL Rdfa.do Amazonas; 0102 PT ID amid rapid fire tk by M/ann. No ute, usually present here. f(Valko 11/11)
- 4810 ARMENIA Yerevan; 0325 Presumed the one here at p level w/ M & W alt in RS, then just M in presumed nx. Into lite inst mx. (Moritz 11/18)
- 4810 GABON Af. #1; 2235 Af vocal mx, FR nx at end. p(Fraser 11/12)
- 4815 BRASIL R.Nal. Tabatinga; 0342 Px of ballads w/ann by M, ID at 0400 as "R.Tabatinga... (freqs)... uma emisor RadioBras: then into bossa nova tune to 0404\*. Tune is same hrd used at s/off of R.Nal.Cruzeiro do Sul. f/g(Lazarus 12/12)
- \*4815 CHINA R.Beijing; \*1200 IS, into lang px. //4883.(Biller 11/24) Listed Mong--sdx
- 4815.2 UPPER VOLTA Ouagadougou; \*0528 IS, NA, M in FR w/ID & ann, drum mx & M w/nx in Tcl lang. (Cucura 11/16)
- 4819.7 ECUADOR R.Paz y Bien; 0409 M w/tlk, many ment Ecuador, to mx & more tk. f(Bolland 11/20) 0853 CClass mx to 0906 NA, OM w/SP s/on, px summary, rel px. (Wilkins 11/13) 0905 NA, opening ann, ment Quito, ID, HC mx. (Alexander 11/20) 1005 M tk, ment Ambato, mx, ID. (Field 12/4)
- 4820 ANGOLA Luanda; 2125 Jumpy Af type mx, into poss PT nx 2130. f(Biller 11/11)
- \*4820 INDIA AIR Calcutta; 1407 Lang & EG special coverage of IX Asian Games, extensive boxing, never an ID, break 1435 for singing jingle, //4800. p/f(Howard)
- \*4825 TURKMENIA Ashkhabad; 2158 R.Mosc. SP, cutoff midword, to RM IS, to Mayak IS, to middle of Mayak px. g(Klein) \*0030 USSR & lcl anthems, RS & TK s/on. g(Wood-SA)
- 4825 USSR Unid; 1301 Sta in unk lang. p(Moman 11/18) Could be above or Yakutsk--sdx
- 4830 VENEZUELA R.Táchira; 0317 MX w/ID after each sel, into s/off ann, is, NA, & pulled plug mid-anthem. vg(Stephany 11/21) 0310 LAM pops, ballads, IDs, etc. g(Jordan 11/8) 0928 Endless tk, promos, ads, ID, pops. f(Halbert 11/26)
- 4835 GUATEMALA R.Tezulutlan; 0055 Ind lang tk & marimbas, //3370. g(Valko)
- 4835 SOUTH AFRICA SABC; 2101 EG natl, intnatl, reg nx. f(Choroszy 11/10) 2106 EG nx w/ment of Pretoria, Natal. f(Burke 11/9)
- \*4840 INDIA AIR Bombay; 1425 Spts coverage as other outlets above. (Howard 11/30)
- \*4840 PERU R.Andahuaylas; \*1004 NA, opening ann by M, then px of OA mx sels, one clear ID 1008. Strong sig but diff readability. Valera off this AM. (Lazarus 11/22)
- 4840 VENEZUELA R.Valera; 0136 LAM mx, ID, tk, jingles, etc. g(D'Angelo 11/29) 1034 ID, TC, ads, etc. Het off another sta co-channel.(Jones 11/26)
- 4845 COLOMBIA R.Bucaramanga; 0408 W finishing nx, ID by M, NA, 0420\*. (Moritz)
- 4845 MAURITANIA Nouakchott; 2330 AR mx, tk. (Braud 11/15) 2347 AR tk, mx, Koran 2350. ID 2359, NA, 0001\*. f/g(Stephany 11/12)
- 4845 MOLUCCAS RRI Ambon; 0906 F/ann w/EZ mx to 0917 chimes, IN ID, into tk. (Murff 12/7) 1258 ID by YL, into slo inst mx. f/g(Moman 11/18)
- 4848 BOTSWANA Gaborone; 0415 Rel type chanting, brief carrier loss, F/ann in lang, ment Gaborone. Fairly steady here. f(Klein 11/28)
- 4850 CAMEROUN Yaoundé; 2110 Rapid fire nx by M, into lcl mx, ID 2116 in EG/FR, then into lang tk. g(Stephany 11/20) 2303T OM w/EG nx, faded quickly. f(Moman)
- 4850 SURINAM SRS; 0200-0400 Usual rock & mixed bag mx px, DT tk. (6 rep)
- 4851 ECUADOR R.Luz y Vida; 1040 Ads, HC mx, rel mx, ID 1049. g(Bolland, Perdue)
- \*4860T INDIA AIR Delhi; 1430 Reg 5 min spts nx, to 1435\*. p(Howard 11/29)
- 4860 EURSFSR Kalinen; 0030 Relay of NAM svce of RM. Later on, //4055 @ 0500 with the M3 px. (Klein 11/24) 0058 Clear w/RM. (Moritz 11/24) 0045 Same. (Alexander 11/2)
- 4865 COLOMBIA LV del Cinaruco; 0403 M w/nx, ads, full ID, NA, 0409\*. g(Gilster 11/19) 0855 LAM pops, NA 0901, open ann, ID, ment Caracol. (Alexander 11/27)
- 4870 BENIN Cotonou; 2030-2301\* FR tk, nx, Af mx sels. (6 rep)
- 4870 ECUADOR R.Rio Amazonas; \*1033 Choral NA, primitive flute mx, ann w/ID 1040. g(Jones 11/16) 1051 HC hill mx, sounds like yodeling. f(Bolland 11/19) 1101 HC mx, occ tk by M. (Perdue 11/8)
- \*4872V MOZAMBIQUE Maputo; 0252 Xylophone IS, multi-lang ID, NA, Af & pop mx sels. Noted drifting day to day. (Howard 11/20)
- 4875 BRASIL R.Jornal do Brasil; 0105 Nice full ID by M, into nice samba. g(Klein)
- 4875 WEST IRIAN RRI Sorong; 1205 Presumed nx in IN. Wk but clear, f/o 1210.(Biller)
- \*4885T ANGOLA Bassacoongo; 2120 Hi-life tunes to 2130 M/ann in PT, back to mx, then M & W alt tk in PT. Bad het and noise. (Moritz 11/20)
- \*4885 PAKISTAN Quetta; \*0127 String inst IS, Koran, distinct "R.Pak." ID 0140, assume nx, subcont mx, gone by 0200. //5060 Islamabad & 5008 Rawalpindi. (Howard 11/26)
- \*4885 PERU R.Huancavelica; \*1025 S/on w/out NA, opening ann by M, using old calls from WRH'79. Fast fade 1029. (Lazarus) 1029 Ment Huancavelica over mx. (Jones)
- 4890 PAPUA NBC; 1031 Pop mx, EG ID, nx 1100. (Pate 11/14) 1135 Weekend party mx, EG tk. g(Feinberg) 1304 EG nx, ID, class mx. (Gundersen 11/14)

Just enough room left to say bye till next month. 3's & 7's, *DL*



# LOG REPORTS

## section B

4900 to 6199 kHz

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

Ecuadorian news this month, with Radio Baháí now on 4995; and a new Colombian, Armonías de Caqueta, on 4915 . . .

- 4900 VENEZUELA R. Juventud, Barquisimeto, ID at 1110 on 11-20, folk mx, then national nx (Illa-FL).
- 4905 CHINA Peking, hrd with man and woman talking at 2135-2147 on 11-21, CH mx (Cucura); same date, poor at 2237-2242 with woman talking in sing-song fashion, joined by man at 2238 (Bolland-FL), and very strong in seasonal appearance, same date, 2228-2242, blasting in with man and woman alternating in CH (Moritz-OH). And tentatively this one at 2230 on 11-17, guy and gal talking, but poor sig (Mosan-ALB).
- 4911 ECUADOR Emisora Gran Colombia, Quito, M&W annrs at 0315 on 11-23 with both giving TCs and IDs, fair, and no uts QRM (for once) (Johnson-TX); good on 11-25 from 0529 with cumbias, IDs among 4910, closing smt at 0550, anthem 0552, end of program at 0555, silence to switch at 0601\* (JB).
- 4910 HONDURAS Though no ID hrd, sounded like and presumed to be La Vos de la Mosquitia, Puerto Lempira, EG annr 0110-0120 11-12, gospel group singing (Perdue-AL).
- 4915  BRAZIL R. Anhanguera, rural sx 0001, good sig, my first tropical LA from Saudi Arabia and surprised it should be this one (Wood-S.AR); \*0800 on 11-26 with opening smts, ID, local accordian and campo mx (Alexander-PA).
- 4915 COLOMBIA A new one, Emisora Armonía Por El Caqueta, Florencia, first hrd 12-2, prayers, ID by man 1016 requesting input from the Campesinos. Seemed to annce 970 or 930 as well as 4915. Low keyed format with vocals, a little "Lara's Theme" before and after ID (Lobdell-MA). Per Chris' tip, hrd 12-4, \*1012, march sx (not NA) to 1015, then ID seemingly as Armonías de Caqueta, organ sx and bird calls behind the ID. Call is HJVK, and seems to be saying 30 kw. on MW. TCs are a full 5 minutes slow! Fairly good until starts to fade arnd 1045. No sign of them on post 12-4 checks (JB).
- 4915 GHANA Accra, vernacular talking 2302 on 11-6, off by 2305 recheck (Mosan-ALB).
- 4920 AUSTRALIA ABC-Erisbane, classical mx, TC, stocks, ID and nx, 0749-0801 11-16 (Cucura); presumed them, EG 1146-1214 11-18, poor (Gilatex); 1210 11-17, nx, vx, ID (Cobb-ME).
- 4920 ECUADOR R. Quito, "Notiflash" nx 0452 11-19 (Illa-FL).
- 4920 INDIA AIR-Madras, S.Indian language 0035 11-10, nx by man, fair (Wood-S.AR); tent. them, 1350-1500 in lang and EG. Special coverage of presumed Asian Games, football with Iraq playing, //4800, 4820, 4840; poor-fair 12-3, back to regular prgm 12-4 (Howard-CA).
- 4925 COLOMBIA Emisora Meridiana 70, Arauca, big sig 0254-0305 12-1, mx, many IDs (Moritz-OH).
- 4926 EQUATORIAL GUINEA Bata, 0531 11-27 in vernac, pop and native sx; fair (Chorossy-ME).
- 4930 GEORGIAN SSR Tbilisi, 0107-0128 11-24, as good as 4860, classical mx, woman in RS briefly at 0127 (Moritz-OH); man singing 2243 11-21, presumed Tbilisi; also hrd at 2206 with Moscow ID (Bolland-FL).
- 4934 KENYA Nairobi, \*0257 11-29, flute and drum IS, time pipe 0300, ID and news (Cucura); tentatively this one on 11-6 at 1947 in lang, all talk, possibly nx 2000-2003, short anthem at 2007, then off. Weak, maybe //4915, but heavy uts QRM (Billier-NJ).
- 4935 PERU R. Tropical, Tarapoto, 1023-1039, folk sx, SP vocals, flutes, ID and TC, mentions of Tarapoto; good on 11-24 (Barto-CT); steady ads and prgm notes, 1048-1059 on 11-18, full ID 1053. Sig peaks 1056 for minute or two (Bolland-FL); 0355-0405 with man talking, ballad, ID 0403, more ballads, but bad het 11-29 (Moritz-OH).
- 4940 IVORY COAST Abidjan, M&W in FR, 2153 11-28, mx 2155, possibly nx 2200; fair, and never did catch a good ID (Bolland-FL).
- 4940 USSR Asian site, 1125-1150 on 11-11, drab, rambling sx, weak talking 1145; in // with 5015 till 1145 (Billier-NJ).
- 4940 UKRAINIAN SSR Kiev, classical mx 0105 11-16, HS IS 0114, talk, more sx; not quite a fair level (Moritz-OH).
- 4940 UNID. So weak couldn't tell lang, from 0503 on 11-21, possible ID 0515; WRTH says Abidjan is on at 0600 (Field-MI).
- 4945 COLOMBIA R. Colosal, Neiva, good at 0127 11-29, talk, ads, pipe 0130 over remote reporting, ID, LA mx (D'Angelo-PA); nx 0503 11-28, ID 0507, "R. Colosal, primera en Colombia" (Dunavan); national nx 0515 11-19 (Illa-FL); 11-23, 0608-0702, EG interview prgm on govt, health, "CQ CQ CQ, this is Caracol Network, broadcasting from Colombia" (Ravenhorst-MN).
- 4950 SARAWAK Kuching, EG world nx 1344 on 11-28, Asian sports, nx from Kuala Lumpur studios, ID by gal 1400 (Hensley).
- 4960 ECUADOR R. Federación, Sucúa, somber classical mx, 0245 on 11-18, closing smt 0257, R. Federación ID 0258, anthem to 0302\* (Moritz-OH).
- 4960 INDIA AIR, Ranchi listed, possible Urdu 1202 11-28, Koran, review of prgms on different

- meter bands; subcontinental singing, apparent ID info at 1226 and 1235, lots more Indian mx (Walcutt-HAWAII).
- 4965 COLOMBIA R. Santa Fe, Bogotá, 0508 11-20, mx, ID (Illa-FL); 0518 11-28, mx, man vocalizing, jitterbug rhythms, ID (Dunavan).
- 4970 ANGOLA Em.Reg. da Cabinda, PT mx 2300, ID, anthem to 2304\*; good sig (Wood-S.A.R).
- 4970 VENEZUELA R. Rumbos, Caracas, ID 0220 11-24, baseball (Caracas vs. Magallanes) (Illa-FL); nx headlines, chimes, 0400 11-21, ID 0402, TC, mx, ad, exc (Stephany-NY).
- 4980 VENEZUELA Ecos del Torbes, San Cristóbal, 0000 11-15, my first YV from S.A.R (Wood); ID 0208 11-24, into "Esta Noche de Recuerdos" prgm (Illa-FL); 0244-0314 12-4, mx, IDs, jingles; fair sig (Paskiewicz); novelty mx 0933 11-26 (Halbert-CA); 0950 on 11-21, LA mx, exuberant ID 0955, mx, co-channel QRM (Sharpe-CA).
- 4990 NIGERIA Lagos, mx by YL 2302, EG, ID 2304, fqys, NA, 2306\*; fair (Moman-ALB).
- 4990 SOUTH AFRICA R. RSA, 0337 11-19, barely audible with nx, ID, rock mx (Gilster).
- 4990 ARMENIAN SSR Yerevan listed, play, light mx, 0436-0442 11-20, //4810 (Cucura).
- 4990 VENEZUELA R. Barquisimeto, SP mx 0005-0015 11-15 (Braup).
- 4995 ECUADOR R. Bahá, Otavalo, first hrd 11-16 to 0400\*, better 11-17, folk vocals by women, number of IDs; seem to have wiped out Andina (Moritz-OH); hrd \*0002 12-3 with IS, vocal and guitar mx, vy weak, could not get ID (Lobdell-MA); talk to 0240 11-25, HC mx, TCs between songs, many IDs mentioning 4990 (JB, on Morita tip); also 11-25, to 0357\* after NA and rather strange caliope IS (Lasarus-LA); 11-11 to 0400\* (Valke); unid. 12-5 with Ecuadorian NA to 0400, also hrd 11-21 (Field-MI). Surely them-JB.
- 4995 PERU R. Andina, Ruancaayo, 0949 on 11-20, mx, a little talk, TCs; fair (Bolland-FL).
- 4995 UNID. on 11-21 and 12-5 after Bahá off, mx on weird, flute-like instrument, very weak, man talking, chimes (Field-MI).
- 5005 NEPAL Kathmandu, IS 1147 11-6, ID, regular daily intro mx followed; weak, //9590 stronger (Billor-NJ); 1620 11-23, nx, sub-cont.mx, ID 1706 with shimmering sound; sounded like IDs 1713, 1716, anthem 1718 and off (Walcutt-HI).
- 5005 SURINAM R. Apintie, mx prgm 0255 on 11-23, ID hrd (Field-MI).
- 5008 PAKISTAN Rawalpindi, tentative, Koran 0131-0140 11-26 and 11-27; only hrd with brief opening, weak, but quite sure //5060-Islamabad and 4885-Quetta (Howard-CA).
- 5010 CAMEROON Garous, African mx 0530, EG ID 0600, then EG mx; strong (no name); presumed them from 1945 on, 11-6; unid. lang, only 4810-Gabon louder, not that bad a sig for this early hr (Billor-NJ); EG mx till 2114 11-20, exc EG, ID 2115, into chants (Moritz-OH); FR talking 2213 11-21, then chanting begins (Bolland-FL).
- 5010 COLOMBIA R. Surcolombiana, Neiva, LA pops 0410 11-21, brassy sounding backups; technical glitch 0430 caused distorted audio thereafter, but ID readable (Jordan).
- 5014 ECUADOR Esc. Radiofonicos Populares, Riobamba, two IDs 1040 on 11-13, M&W talking in Indian lang and SP, seemed a religious theme (Walcutt-WY).
- 5020 SOLOMON ISLANDS Honiara, request prgm in EG and Pidgin, 0750 on 12-1, many ads; ID 0800, EG/Pidgin mx, supermarket ads (Hensley); 0900 11-6, ad for "Solomon Soap," EG intro into Pidgin prgm; fair sig (Moman-ALB).
- 5020 SRI LANKA Colombo, NA 0000, Tamil ID, Indian mx; TBS says 1000-1745 only (Wood-S.A.R).
- 5020 UNID. YL singing, CH-like, 0006 11-18, man between songs but he didn't sound CH; faded by 0032. Manchang? Sri Lanka? Urusqi outlets still good this hour (Moman-ALB).
- 5025 BRAZIL R. Borboresma, Campina Grande, here 0137-0155 on 12-6 with mix of pops, rock, ballads, etc., man annr between songs. ID 0145; first time in a long while (Moritz-OH).
- 5027 UGANDA Kampala, EG, hymn and religious prayer 2056 on 11-20, time pips, xylophone IS, brief instrumental anthem to 2100\*. Poor, much fading (Chorossy-ME).
- 5030 PERU R. Los Andes, Rasmachuco, mx prgm at 1100 on 12-6, ID, Continents QRM (Field-MI).
- 5030 VENEZUELA R. Reloj Continente, Caracas, poor on 11-7 at 0045-0130, futbol in a laid back style, apparent game analysis 0100, IDs, TCs (Jordan); 0425 12-2, LA mx, ID at 0531, good except for static (Dunavan); nx 1053, many IDs, 11-20 (Illa-FL).
- 5035 BRAZIL R. Jornal Transamônica, Altamira, 2214 on 11-16, fair, nx features (Bolland-FL).
- 5035 BRAZIL R. Aparecida, M&W talking, ID, ZY tunes, 2227-2245 on 11-21 (Cucura).
- 5035 UNID., probably Brazil, PT at 2328 on 11-25, religious prgm, litany with ldr and group response, chorus 2357; poor (Smith-CR). (Take your pick above-JB).
- 5035 KAZAKH SSR Alma Ata, listed and tentative, non-descript mx 11-6, possible ID 1158, IS twice, 1200\*; unid. at \*1230 11-23, too weak to ID (Billor-NJ).
- 5040 CHINA PLA stn, Fushou, CH mx 0940 11-26, talk; poor, make it tentative (Halbert-CA).
- 5040 COLOMBIA R. Cinco, Villavicencio, soccer 0000 11-7, many IDs, local and network, TCs on 1 hr (Jordan); mostly non-descript LA mx, 0413-0435 11-25, many mentions of CARACOL; nice version of "Jingle Bells" entitled "Bella Navidad" (Lobdell-MA); 0423 11-28, lots of CARACOL IDs, mentions of Villavicencio, EJ mx; fair (Chorossy-ME); LA mx 0528 11-28, ID 0532 (Dunavan); ID 0800 11-18, typical BJ mx, OM annor (Wilkins-CO).
- 5040 VENEZUELA R. Maturin, 0958-1020 12-1, good with "Rumbos" IDs and chimes (Chorossy-ME); 2209 11-21, singing ID followed by mx, fair sig (Bolland-FL).
- 5045 BRAZIL R. Cultura do Pará, Belém, 0030 11-10, IDs, fqys, mx, talking, fair with some QRM (Valke); PT ID 0030 11-10, into Col. Bogey march; good (Wood-S.A.R); straight mx 0228-0302\*, man with taped IDs, closing amts 0259, vy strong (Moritz-OH, 11-30); election results 0250 11-21, fair (Smith-CR); mx, ID 0842 11-20, great prgm (Illa-FL).
- 5050 TANZANIA Dar es Salaam, 0313 11-28, man ending Swahili nx, into modern African tunes, similar to FR ballads. ID 0331, into AR tunes; ut QRM, but fairly strong (Moritz-OH).
- 5055 COSTA RICA TIFC, EZ lsung mx to 0259, then into EG religious prgm; presumed (Gundersen).
- 5055 FRENCH GUIANA Cayenne, IS \*0900 11-18, NA, nx, Colombian mx (Wilkins-CO).

- 5060 PAKISTAN Islamabad, 0114-0155 fade out, strong 11-27 and 11-29, but fair-poor most of late Nov. In lang, open carrier 0114, stringed IS 0127, Koran 0130, distinct R. Pakistan ID 0140, assumed nx, sub-cont.nx 0150, //5008 and 4885. On 5062 11-26, 5057 11-29 (Howard-CA).
- 5066 ZAIRE R. Candip, Bunia, mostly high-life mx 0340-0404, man in FR in between. Hvy ute QRM at start, but sig improved. Mentions of BUNIA, FR nx 0402; 11-28 (Moritz-OH).
- 5075 COLOMBIA R. Sutatenza, Bogotá, nx 0005 11-26, LA pops, fair (Smith-CT); ID 0010, "Banco Popular" ads, good 11-18, //5095 (Moman-ALB); strong 0227 11-26, nx (Gilster).
- 5095 PAKISTAN Islamabad, 1206 12-5, chanting behind Sutatenza (Wilkes); 5094, tent., weak but clear 1225 11-21, male anncr, CW QRM on high side (Biller-NJ); 5092, tent., 1436 on 11-6, fair with EG nx by man, off usual 5095 this AM; fair (Moman-ALB).
- 5095 COLOMBIA R. Sutatenza, Bogotá, ID 0030 11-10, "Noticiero Sutatenza" (Wood-S.AR).
- 5106 CLANDESTINE La Vos del CID, back on here, anti-Castro talk 0157 11-16, chimes 0200, full ID, "2001" theme; exc sig but not as good as previous (Bolland-FL); 0156\*, leaving air with lengthy ID, march (Moritz-OH); chimes, ID, 0209 11-26, fair-good (Gilster).
- 5112 PERU R. Eco, Iquitos, HA \*0948, many "Eco's" in echo chamber, CA nx; 11-10 (Wilkins-OD).
- 5151 UNID. USSR? Vozes 5141-5151, 1012-1055\* 11-17, oriental orch.nx, RS talks (Wilkins-OD). (TBS lists Peking in RS at 1000-1055 on 5145-JB).
- 5609 UNID. Asian mx, talk, 1130-1145 fade-out, 11-13 and 11-16 (Walcutt-NY); same, stronger 11-28 and 11-29, slow, vocal tonal singing, 1133-1158 (Walcutt-HI).
- 5800 CHINA Xinjiang PBS, Urumchi, good 0000 11-15 with Uighur nx by man (Wood-S.AR).
- 5860 CHINA Peking, advanced EG lessons 0005 11-15, //6260; good (Wood-S.AR).
- 5875 SAUDI ARABIA BSKSA, AR ID 1700 11-12, prgm listing, //15060; good (Wood-S.AR).
- 5882 ARGENTINA R. Rivadavia, B.A., fair 2356 11-5, telecon, partial ID (Moman-ALB).
- 5886 INDONESIA RRI-Pekanbara, Jak nx 2300, vly good, should reach ECMA this time (Wood-S.AR).
- 5920 USSR Maybe Krasnoyarsk, WS in EG. 0440-0530 11-21, vly, vly poor (Jordan).
- 5935 LATVIAN SSR Riga, \*2130-2159\*, seemingly Swedish, ID, opening amts by YL, nx, soft mx, 11-13 (Cobb-ME); 2130 11-9, instr.nx, ID, presumed nx; good and haven't hrd in some time (Valko); poss. nx to 2140 11-6, talk and mx, ID 2159; F-G, fluttery (Biller-NJ).
- 5945 AUSTRIA Vienna, "Rpt From Austria" 0130 11-13 (Fraser-MA); ditto \*0430-0458\* 11-21, fair sig (Krist-VA).
- 5950 USBEK SSR Tshatkent, defin. RS, 0540-0630\*, much talking, 11-21 (Jordan).
- 5955 NICARAGUA La Vos de Nicaragua, many rpts this month of EG nx, at 0114 (Jordan), ending 0123 (D'Angelo-PA), 0210-0217 (Stephany-NY), 0312 (Moman-ALB), 0315 and 0515 (Field-HI), 0350 (Valko), 0510 (Cobb-ME), 0515 (Howard-CA), 0417 (Dunavan).
- 5960 CANADA RCI, "World At 6" 2350 11-11, nx, wx, mailbag, \*0200-0228\* 11-15 (Krist-VA).
- 5960 W. GERMANY DM, EG ID 0547 11-28, fags, into GM 0550 (Dunavan).
- 5980 SIBERIA LEONE Preetown, EG nx 0702-0710 11-7 (Feinberg); nx 2213-2225 11-5 (Cucura).
- 5985 ALBANIA Tirana, \*2100 in Czech, nx, good sig but jammed (Wood, 11-11).
- 5985 BURMA Presumed then, 1310-1315 11-21 w/lang nx, vly loud for them (if them) (Biller-NJ).
- 5985 USA VOPC over WYFR-Okeechobee, EG 0259-0315 11-27 (Headers-GA); 0550 11-28 (Dunavan).
- 5985 UZBEK SSR Tashkent, vly good 1220-1228 on 11-11, local mx, EG ID (Biller-NJ).
- 5990 ROMANIA Bucharest, \*0400 11-15, IS, EG ID, nx, cmtry, much VOA-5995 QRM (Cobb-ME).
- 5995 MALI Bamako, 2340-2347 11-26, presumed them with man laughing, talking in FR over Afr mx. Killed by VOA-5995 s/o 2345, still hrd weakly under them (Moritz-OH).
- 5995 USA VOA-Greenville, EG science prgm 0130 11-27 (Fraser-MA); good 0601, EG (Dunavan).
- 6000 HONDURAS Eco de Honduras, San Pedro Sula, carrying R. Variedades prgm, 1059-1130 on 11-21 when Peking weakened ranchera mx, rooster crowing, ads, Variedades and Cadena Zeta IDs (JB); 1110-1200, campesino mx, slow fade to 1200; ads for pantalones (Lobdell-MA); 1130-1145 12-7, nx, one ID (Barto-CT); 0303-0325, 11-26 and 12-6, pops, tropical numbers, man anncr between songs, many IDs; tough copy PMS (Moritz-OH).
- 6005 CANADA CPCK-Montreal, MoR mx 1813 11-14, wx, ads, time (1 min. fast) (Halsea); poor on 11-17, local vr 2246, no sign of Reloj so okay (Moman-ALB).
- 6006 OSTA RICA R. Reloj, San Jose, ID 0605 11-28, then nx, good sig (Dunavan).
- 6005 W. GERMANY RIAS, 0608-0633, man with US pops and talks, ID 0630, nx. Reloj off, and RIAS over CPCK at times (Cucura).
- 6005 SOUTH YEMEN Aden, AR chants 0323-0340 11-30, Yemen distinctly hrd in 0330 ID, into presumed nx; good sig but mucho QRM around it (Moritz-OH); tent. then, 2033-2128 11-1, AR mx, BBC QRM just too great by 2128 to get ID; CPCK QRM on other dates (Valko).
- 6005 ENGLAND BBC, World Nx 2206 11-6, "From Our Own Correspondent," fair sig (Krist-VA).
- 6010 AZAD KASHMIR or perhaps a Pakistan relay of same; make it tent. Best on 12-8, 0118-0150; subcont.nx, marches 0126, Koran 0130, talk 0140, fading by 0150, no ID (Howard-CA).
- 6015 VATICAN EG \*0100-0114\* 11-16, vly good (Krist-VA); FR 0045-0100 (no name).
- 6015 BRAZIL R. Clube de Pernambuco, Recife, mx 0736 11-25, talk, ads, ID 0737; bat from 6020 QRM, //11865 much better (Berkeley-AZ).
- 6020 USSR RM, 1815-1835 11-21, MAM alternating in presumed RS; weak, fluttery. Site?(Moritz-OH).
- 6025 PORTUGAL Lisbon, \*0300-0328\* on 11-21, EG, anthem, nx, rvw of week's events, OH). sports; vly good sig (Krist-VA).
- 6030 CANADA CFVP-Calgary, C&W mx at 0822 on 11-14, also some R&R; ID as CFCK, fair-poor sig (Ravenhorst-MN).
- 6030 W. GERMANY Süddeutscher Rundfunk, at 0739-0757 on 11-11, man with prgm of GM mx, IDs and ads (Cucura).
- 6030 USA AFRTS, 0109 on 11-29, UPI nx, NBC nx, CBS nx, service-related ads; exc (Krist-VA); PSAs, mx, IDs, nx 0200, very good sig 11-26 (Mayer-PA).

- 6035 AUSTRALIA RA, wide variety of pop mx, 2120 on 11-13, ID 2123, male annor, fair sig (Biller-NJ).
- 6048 ENGLAND VOA, EG nx 2131 on 11-9, "World Rpt," rvw of next shuttle; fair (Krist-VA).
- 6040 W. GERMANY DW, EG at \*0100, mx, exc reception 12-3 (Stanley).
- 6040 W. GERMANY-? VOA in EG, 1818 on 11-14, VOA promo, interview; weak (Halsema).
- 6045 MEXICO R. Universidad de San Luis Potosi, 1304-1400 on 11-18, tuned in shortly after s/on. "Pomp and Circumstance" mx to 1307, then amst of day's prgms, then almost continuous Mexican band mx with amsts by man, 1318-1400, followed by chimes and ID as R. Universidad. Hrd agn 0435-0501\* on 11-19; classical mx with no amsts to 0459, then closing amst by man at 0500, including ID as "las frecuencias . . . XEXQ, R. Universidad de San Luis Potosi, 1460 kc/s onda media." Then off with "Pomp and Circumstance" mx. (Lasarus-LA).
- 6049 DOMINICAN REPUBLIC Radio Santiago, 0128-0155 on 11-28, noted back here with nx show throughout entire listening period. Breaks for promos or similar at 0138, 0143 and 0149. Hvy QRM makes for tough copy. Gone or lost to QRM, probably the latter, at 0155 (Morita-OH). ID and meter band given 1134 on 11-27, TC, several vocals; went off 1147-1150, but then came back; on 6048, and good with HCJB QRM (Barto-CT).
- 6050 ECUADOR HCJB, mx 0255 on 11-21, talk about Andes and S. America (Illa-FL).
- 6055 KUWAIT R. Kuwait, poetry 0845, mx, good sig; ex-9650 for this svc (Wood-S.AR).
- 6060 AUSTRALIA RA, ID 1349 on 12-2, sports, MoR mx; ID 1400, fcy sked, into world nx; //6045, but 6060 is better (Hensley).
- 6060 PERU R. JSV, Huanuco, in with yippy Andean huaynos 1003 on 11-5, nice quena selections. Quick ID by man, TCs between selections. Covered by carrier 1033 (Lobdell-MA); poor at 1010 on 11-24, open carrier to 1011 sign on, ID by man, into light instrumental mx; listened till 1018 (Barto-CT).
- 6070 CANADA CFXR-Toronto, 1822 on 11-14, live football, Hamilton v. Ottawa, weak but clear ID 1826 (Halsema); talk about the CBC, 2247 on 11-17, poor sig (Mosan-ALB).
- 6080 CANADA CFXV-Vancouver, strongest ever hrd, good-fair 11-22, nx, wx, many IDs and TCs, CMW mx, 0902-0935 (Howard-CA).
- 6085 COLOMBIA Ondas del Darien, Turbo, \*1000 on 12-1, anthem, s/on amst giving call, fcy, I think a mention of CARACOL net (Field-MI); 2120 on 11-14, looking for Tallinn but found this one with a soccer match; ID 2138; at first thought I had a Brazilian; best in LSB mode. How how does one log Tallinn? (Buer-FL). Infrequently.
- 6085 FRANCE RPT, FR press review, 0015 to L.Am, //6140; 11-15 (Wood-S.AR); SP ID 2302 on 11-30; this L.Am svc runs 2200-0100 in FR, PT and SP; supposed to start using an xmt in French Guiana in January 1985 for xams to S.Am (Illa-FL).
- 6090 GUATEMALA TGMUB, AMR, EG 0219-0235 on 11-3, ID 0219, mention of 6090, into religious drama. Also hrd on 12180 harmonic. Severe DW QRM; never got my QSL from TGMUA (Valko).
- 6095 POLAND Warsaw, gal with nx and cntry in EG, 0210 on 11-10; ID, Polish mx (Cucura).
- 6100 VENEZUELA Time sig sta YVTO, time ticks, ID by man, 0415 on 11-28 (Marker-IL).
- 6119 VENEZUELA R. Angostura, Ciudad Bolivar, vocals at 0945 on 11-17, TCs, ID 0958 sounding like "R. Angostura, la emisora toda emocionada en Guyana." Rumbos nx 0959, listened to 1019 (Wilkins-CO); 1032 on 11-25, just caught ID while passing by; jingles, rapid fire talk by man and YL; ads, mentions of Venezuela, brief mx (Valko).
- 6120 CANADA BBC, fair on 11-13 at 2338, "Rx About Britain." "R. Krcsel," etc. (Krist-VA).
- 6121 NICARAGUA R. Zinica, Bluefields, carrying R. Sandino prgm, 1150-1203 on 11-16, Managua nx with Morse code dividers (Walcott-NY).
- 6129 VENEZUELA R. Valles del Tuy, Ocumare del Tuy, exc prgm 11-25, ads, ID at 2242 (Field-MI); man in SP 2304, same date, some instrumental mx, ID, 2313; fair (Barto-CT).
- 6130 USA VOA, exc in special EG, 0135-0200 on 12-6 (Bonnet-IN).
- 6150 COLOMBIA La Voz del Huila, Neiva, ID, mx, 0812 on 11-20; on 24 hrs (Illa-FL); also on 12-4 at 1000, ID as "CARACOL, primera cadena en Colombia." Mx followed (Field-MI).
- 6155 INDIA AIR, assume Delhi, \*0128-0140 on 12-10, clear AIR IS, into nice subcont. mx at 0130; poor, in hvy QRM (Howard-CA).
- 6155 CYPRUS CBC, \*2210-2242\* on 11-12; IS, ID, nx, mx; very good sig (Stephany-NY); poor on 11-27, \*2214 with guitar IS, Greek speaking annor and mx. No ID noted, the IS definitely them (per EAP IS tape) (Gavarras-MN).
- 6155 ROMANIA Bucharest, 0039 in SP on 11-27; full ID, nx, cntries (Chorossy-ME).
- 6155 USA WRMO, 0203 on 11-26, mx, IDs, commercials, very good sig (Mayer-PA).
- 6160 ALGERIA Algiers, fair-poor on 12-4 at 0530-0610, AR vocals, wailing chants, possible ID 0540, assume a pause 0546, then seemed like nx; 0600, pips, ID, nx (Jordan).
- 6160 CANADA CKZU-Vancouver, fair at 0830-0900\* on 12-5, "RAR Saturday Night" prgm; s/off ID as "SW CKZU operates on a fcy of 6.16 MHz." (Ravenhorst-MN).
- 6175 COSTA RICA TIFC, religious talks at 1249 on 11-20, evangelical mx; ID (Illa-FL).
- 6180 CYPRUS BBC EMR, 2129 11-28 w/ "Pleasure Is Yours," nx; fair rcpn (Krist-VA).
- 6185 BRAZIL R. Bandeirantes, Sao Paulo, live soccer match at 0023 on 12-1, very poor with QRM from VOA-6190 (Chorossy-ME).
- 6189 PERU R. Oriente, Yurimaguas, popping up more often with a halfway decent sig here in the NE lately, s/on usually a bit before 1100, but fades out fast, and BBC-6195 QRM (JB).
- 6185 MEXICO R. Educacion, 0612 on 12-4, rapid-fire SP, light orch. mx; ID 0615 by YL (Jordan); uninterrupted YL vocals, 0720-0759 11-21, ID, varied mx, no amsts (Wilkins-CO).
- 6190 W. GERMANY R. Bremen, 0643 on 11-11, man with a call-in prgm, requests for GR mx, ID; faded out by 0654 (Cucura).
- 6195 CANADA CBC MQSW Svc, \*0200, opening amst, CBC nx, bad QRM 11-26 (Mayer-PA).

+++ Rpt of Tachira-4930 last mo. should have been 4830, natch. Tnx to all —



# LOG REPORT

## section C

6200 to 11699 kHz

Editor: John T. Arthur, Box 4948, Arcata, CA 95521

let's see here...my coffee cup...my pipe...and a thousand little strips of paper... Yup! I'm ready to begin. And so is another year, even... As a new editor, perhaps I should state my specifications before starting. I will print all reports received at my Box...as long as they are: (1) accurate, (2) complete, and (3) up-to-date. Since space is at a premium I will delete the oldest loggings to make room for more current reports. Please trim your strips...I don't need the instructions at the top or the signature block at the bottom...and make sure you DATE all your reports. Untrimmed and undated reports will be round-filed.

Now...forward into the Humboldt Fog:

- 6203 CLANDESTINE LVde Sandino 1120-1152\*, SP, several ment of exportacion, produccion & Nicaragua. Uses Media Ntwk opening theme to intro "la prensa revolucion Sandino" USB+carrier, no LSB. (Walcutt NY 11/13) Also rptd 12/09, 6220, Choroszy, ME; 11/16, Bolland, FL; 11/28, 6225, Gavaras, MN & Marker, IL; 6226, 11/30, Bolland; and on 6227 11/20, Arthur, CA, and 11/26, Alexander, PA
- 6209 VATICAN VR, 0700-0900, IT nx, then FR nx @ 0710, EG nx @ 0720, & SP nx 0730. Sig gud 0700, but fading. (WILKINS, CO 11/20)
- 6215 LEBANON VoHope 0437-0503, EG, Mw/rel tlc, US pops, ID @ 0450, nx, time check (Cucura 11/16) also reported by Stephany, NY; and Ravenhorst, MN;
- 6221.2t ITALY R Milano Intl 0708-0900, pop mx & M in unID lang; thot I hrd R Milano ID, but...wk in thunderstorm (Alexander, PA 12/03)
- 6236 PIRATE (?) unauthorized relay of CHNO-550 rptd by Wilkins, CO; Valko; and Stephany, NY. Not a harmonic: 1lx550=6050. Runs for hours, never IDs...maybe a pirate testing? (Dumb way to test-jta) Equ GUINEA R Nacional 2155-2203\*, SS, Af mx & IDs, solemn anthem to 2203 (SAMS, AR, 11/17)
- 6290t CHINA unID 1033-1105, CH, W w/steady discourse to 1041 when M speaks for a minute, then operetic mx. Off arnd 1055, then back w/Peking IS. Fair (BOLLAND, FL 11/23)
- 6300 USA AFRTS 0408, stronger than //6030 (MARKER, IL 11/29) feeder?
- 6393 MONGOLIA RLB \*1200, EG, IS 1200-1202, ID by M & W, nx @ 1203, CW QRM - //12070 better. (BILLER, NJ 11/27)
- 6395 PIRATE (?) CHNO relay reported here by Choroszy, ME, 11/26 and several other nights.
- 6453t VIETNAM RH 1145-1155, vy odd S Asian mx w/M ancr, wk to fair. (BILLER, NJ)
- 6490 KOREA, Rep RK 1910, KO, tlc on Saudi Arabia--almost everything here (roads, buildings, bridges) seems to be built by Koreans; not // 9970 which then in EG. Good (WOOD, Saudi Arabia, 10/22)
- 6510t VIETNAM RH 1205-1215, VT, W w/nx(?) to 1210 when into Viet vocals. Fair t11 1220 fadeout (BILLER, NJ, 11/27)
- 6540 KOREA Pyongyang 1156-1202, KO, choir w/W ancr, nx on hour. Poor. (BOLLAND, FL, 11/16)
- 6550 LEBANON VoLebanon 2111, AR, FR pop mx & jazz vocals, AR IDs. V Good (Choroszy, ME, 11/10) also reported by three others
- 6576 KOREA R Pyongyang 2100-2113, EG, nx by YL, then ID & commentary w/mx. Fair (VALKO 11/09)
- 6600 KOREA CBS 2107, KR, C1x mx & vocals. Domestic Svc. Good (Choroszy)
- 6613 VIETNAM Bac Thal 1129-1153, Viet mx, ID by W @ 1130. Good under static (Wilkner, 12/05) also rptd on 6616t by Biller, NJ; and on 6617 by Bolland, FL.
- 6724 CLANDESTINE R Venceremos 0050, SP, M&W in SP, mx, IDs. Also hrd on 6548.9 at same time, but not //. (Alexander, PA, 11/25)
- 6790 SOMALIA R Mogadishu \*0300-0330, trumpet anthem, many IDs, M talk AR-type music. Vy good. (Cobb, ME 11/21)

- 6825 EL SALVADOR R Venceremos 0234, SP, Martial mx & political talk. Hvy jamming but still fair most of the time. (Choroszy, 12/01)
- 6860 CHINA R Peking 2050-2105, EG, CH mx, M ancr, EG ID @ 2100. 6930 also hrd in SP; both fair. (Valko, 11/09)
- 6865 CLANDESTINE R Venceremos 0253, SP, M w/talk. ID @0259. (Marker)
- 6890t CHINA R Peking 1112-1116, CH, m&w w/mx and farm sounds, possible ID. (Bolland, FL 11/20)
- 6955 CHINA R Peking 1233-1253, JP, w talk to 1240, then ID by M over march mx. Fair (Bolland, FL 11/12)
- 6974 CHINA Hohhot 1130-1137, CH, mx, anmts. Fair in QSB & QRN. (Buer, FL)
- 7065 ALBANIA R Tirana \*0000-0026\*, EG, ID, Albanian nx, cmtry on world peace, "Our Democracy Music Program". Excellent (Krist, VA 11/14)
- 7076.5 PAKISTAN RP 1450, Baluchi, nx by M; Vy gud (Wood, Saudi Arabia)
- 7100 CLANDESTINE unID "La Voz..." 1216-1230\*, SP, speeches & march mx. Sig too wk to catch ID...poor (Bolland, FL 11/21)
- 7105 CHINA Hohhot 1445-1500, CH, sing-song stories w/flute, cymbals, blocks, howls et al, YL ID. Refreshing @ 0645! (Robertson, CA 11/09)
- 7110 MALI Bamako 0715-0745, FR, long NA, M w/nx, into lang. (Reed 11/27)
- 7115 BULGARIA R Sofia\*0400, EG, s/on, Bulgarian nx. QRM fm CW & an unID FR stn on frequency. Fair. (Stanley 12/02)
- 7125 USSR R Moscow 1415-1430, EG, tlk by M&W on US policy. (Reed 11/20)
- 7140 JAPAN R Japan 0842-0850, KR, IS, s/on, nx. ARO QRM (Wilkins, CO)
- 7140 CYPHUS BBC 1430, AR, "Huna London" ID, AR mx. Fair (Robertson, CA)
- 7145 POLAND R Polonia 0318-0330, EG, W tlk abt economic markets and Polish economy. (Jordan 11/20)
- 7154t CAPE VERDE IS Emisora Oficial\*0735-0901\*, PT, hrd several times s/on arnd 0735, mx to 0800 gong & ID. 11/17 0901\*. Not hrd nightly. (Wilkins, CO, 11/11 and other dates)
- 7155t JORDAN HKBS 0730-0750, AR, mid-East mx, chants, tent ID 0730 by YL. Poor. Odd to hear this late; channel jammed @ 0330. (Robertson, CA 11/27) check carefully on this one! jta
- 7155t NIGER ORTN 0825-0905, AR, M&W alternating talks, exotic vocal & local stringed instr, to march anthem & YL w/ID @ 0902. Fair... (Jordan, 11/07) could someone check this out? jta
- 7165 UKRAINE R Kiev 0319-0330, EG, spl on the 40th anniversary of the battle of Stalingrad, nx, sports, etc. Exc (Kinchen 11/19)
- 7170 USSR R Moscow 1125-1202, CH, regular WS stuff. (Purdum 11/17)
- 7170 NEW CALEDONIA R Noumea 0705-0730, FR, M dj w/ US pops & folk mx, YL w/anmt @ 0720, then IDs by both. Fair to poor (Jordan 12/05)
- 7195 USSR R Moscow 2317, EG, NAM Svc, exc. (Krist, VA 11/13)
- 7225 RWANDA DW 0430-0440, EG, nx of UNESCO conf & Habib meetings. Fair. (Burke, VA 11/24)
- 7225 TUNISIA RTVT 0635-0700, AR, M ancr w/AR mx. Good (Reed 11/27)ID?
- 7235 JAPAN R Tokyo 1405-1430, lang /sic/, W ancr...ARM QRM (Reed 11/26)
- 7260 GERMANY, F.R., Sudwestfunk 0632-0657, GM, US & GG pops, ads, ID. (Cucura 11/16)
- 7260 USSR R Moscow 0600-0620, EG, NAM Svc (Sharpe, CA 11/14)
- 7275t CHINA Guizhou Guiyang (?) PBS 1440-1500, CH; two CH stns here, tent ID @ 1500...Other Taiwan? Poor (Robertson, CA 11/22)
- 7285 GERMANY, F.R., DW 0247-0250\*, EG, Asian Svc, closing anmts by M, IS and off. Vy good. (Mayer, PA 11/20)
- 7570t CLANDESTINE VoPeople of Burma 1144-1150, slow melodic mx w/a definite beat. Fades by 1150. Poor (Bolland, FL 11/21) r u sure?
- 9767t CHINA Behai Guanxi PBS 1430-1500\*, CH, opera & modern CH mx, lots of hearty M choruses. ID "Guanxi renmin..." but is this Behai? (Robertson, CA 11/19)
- 9022 IRAN VOIRI 1929-2030, EG, mx, M ancr, nx, cmtrys. Four reporters
- 9360 KOREA R Pyongyang 1900, KO, talk on Kim Il Sung, //9625. (Wood)
- 9410 USSR R Moscow 0855-0925, EG, coverage of Brezhnev funeral, // to 9510 & 9570. (Halsema 11/15)
- 9420nf GREECE ERT \*2100, GK, ID, into mx. Good level (Wood, Saudi Arabia)
- 9427v PAKISTAN RP 1714, EG, end of nx, ID: "u r tuned to the WS of RP, calling listeners in the UK, West Eur, Turkey & N Af", then Pak music. (Walcott 11/16)
- 9440 ISRAEL Kol Ysrael 2000, EG, nx, Especially 4 U, Studio 3. move from 9420. Fair. (Zilmer 12/02)
- 9455 EGYPT R Cairo 0605-0630, AR, W w/dx, tlk of Israel and Egypt. (Reed 11/26)
- 9475 EGYPT R Cairo 0215-0315, EG, nx, mx, time signals. Three reporters
- 9490 USSR R Mockba 1411, RS, M w/cmtry on Nicaragua. Woodpecker QRM fm 1415. Fair (Dunavan 11/29)

- 9498y ALGERIA R&TVA 2005-2030 & 0600, AR, gud sig//6160. Shifted to 9533 for a couple days, then back here. (Sams, AR 11/19)
- 9505 JAPAN R Japan \*1100, 1425, 1505-1515 & 1700-1730, all EG except 1425 JP, usual (four reporters)
- 9507 un-ID (Guam?) 1425, EG, "Amazing Grace" on violin, 1431 and SW changing lang to "Kammel"/sic/, sed back to EG @ 1500. Hvy QRM fm Japan-9505. (Dunavan 11/27) KTWR-9510 goes to Tamil #1430-jta
- 9515 MEXICO XEW 1549, SP, pop mx, children's show "Ay que le gustas!" (Dunavan 11/28) (and two others)
- 9525 SWAZILAND FWR 2010-2017\*, preaching & hymns in vern, piano mx, ID @ 2015 & one verse of IS. (Sams, AR 11/12)
- 9533.5 CLANDESTINE Vo Polisario (via Algeria?) 2210, AR anit-Morocco talk. Good (Wood, Saudi Arabia 11/06)
- 9535 ANGOLA R Nacional 1703, PT, tc, ID by W in PT, gong. 1935+, almost non-stop Af mx & song. (Walcutt, HA 11/21 & 29)
- 9560nf TURKEY VoT \*2200, EG, YL w/nx, review of the Foreign Press, Ltrbx. Good. (Reid, Cnt 11/17)
- 9599 NEPAL R Nepal \*1147-1154, NP, IS to 1150, w/w/"Yo Nepal Ho" ID, short talk, native music. This is the most beautiful music I have ever hrd; haunting, ethereal mx! (Gilster 11/24) agreed-jta also reported by Buer, FL 11/20
- 9595nf UAE Dubai \*0330-0405\*, EG, Nam Svc, //better 11755 & replacing 15300. (Pickard, IL 12/03)
- 9595 JAPAN NSB 1345-1430, EG to 1355, then JP, children's story to ID @ 1355, poss nx to 1400, time ticks, then M&W discussion (Bolland, FL)
- 9595 ETHIOPIA VoNamibia (via VoRevEthiopia) 1945-2000, EG, Af tribal mx, anthem @ 1958, then "this prgm produced by VoNamibia". Thot R Freedom sked @ this time. (Sams, AR 11/12)
- 9619 MOZAMBIQUE RM 0710, PT ID, Af mx //7240; Abrupt off on both channels 1715; 0724 back on 9619 only...1755 IS/IDs in many lang: "This is R Mozambique in Maputo, into EG nx at 1900. (Walcutt, HA 11/20)
- 9749 TANZANIA RYES 1720, EG ID @ 1730 followed by US pops & oldies. 1900 to, nx, wx "isolated showers", then VoNamibia prgm. (Walcutt, HA) Also reported by Wood, Saudi Arabia
- 9790 YEMEN R San'a 0320-0350, AR talk & mx, //4953 only Fair, this one good. One ID hrd @ 0330. (Cobb, ME 11/18)
- 9977 KOREA R Pyongyang 1107 and 1630, EG, usual. (two reporters)
- 10050 VIETNAM VoV 1115 and \*2330, EG, anti-US stuff, mailbag, nx, mx, 1127\* (three reporters)
- 11311 CLANDESTINE (?) unID 1400, CH #s stn; also hrd arnd 0800 (Sams, AR)
- 11350 KOREA CBS 0045, KR. ID "choson Chungsan Pangsong nida", martial mx Vy good. (Choroszy, ME 12/01)
- 11365 CLANDESTINE (Lybia?) Vo Libian People \*2102-2201\*, AR, local mx, prayer, chants, "Huna sowt at Libia" and trumpet fanfare & s/off. (Billler, NJ 11/30 and Alexander, PA 11/20 [and Valko 11/14])
- 11620 INDIA AIR 1940-1955 and 2000-2025, EG, local mx, ID, nx, talk abt cultural exhibit, to @ 2016. Fair to poor. (Paszkiwicz 12/05 and Jordan 11/27)
- 11645 GREECE VoG 1540-1549, EG nx to 1549, then GK. Not as good as // 15050 or 17560. (Zilmer 11/26)
- 11650 CHINA R Peking 0012-0035 and 0130-0145, EG cmtry on MX missiles, CH mx, China Anthology. (Mayer, PA 12/04 and Burke, VA 11/29)
- 11655 ISRAEL Kol Ysrael 2232, 0000, and 0100-0125\*, EG, nx, "Weekend", visitors impressions, //9915. (five reporters)
- 11675 KUWAIT R Kuwait 1950-2000, EG ID, sets of US pop & disco, after 1900 FR pops w/dj "Mohammed the prophet" (1) Fair to good. (Jordan 11/27 and Mayer, PA 11/07)
- 11675 SAUDI ARABIA BEKSA 0425-0431, AR anmts & mid-East mx, //15060; both very good (Buer, FL 12/04)
- 11695 BELGIUM BRT \*0028-0112\*, EG, "Brussels Calling", cultural rpt, people in sports, Box 26, nx (Krist, VA 11/07 and Meaders)

whew...I chopped a lot of regular stuff this month, but it will all balance out in the long run. Remember to keep your reports as current as possible...something that's two months old when I get it is totally useless, and I won't use it.

Have a good New Year... C U N 30





# LOG REPORTS

## section D

11700 to 17899 kHz

Editor: Steve Wiseblood, 1340 Junipero Ave., Apt. 4, Long Beach, CA 90804

- 11700 DOMINICAN REPUBLIC R Clarin: 2150-0145\* SP M anc, LAM nx, many ID's, SP tlk on national defense; 2310 La Voz del CID w/IS & NA (5 reporters)
- 11705 SWEDEN RSI: \*2300-2330\* EG nx & Wld rpt; Swedish sx, //9695 (Reid-ON). \*0230 EG nx abt Sweden, cmntry & usual feature programs (Stanley 12/2).
- 11705 JAPAN RJ: 1955 surprised to find AR tlk & nx here, ID @ 2000 (Walcutt).
- 11709 ARGENTINA RA: 2234-2254 EG nx, ID, LAM nx, ramblings abt "British Imperialism". VG (D'Angelo 11/24). 0115-0122 EG DX contest & reports, played an interesting tape of R. Mearitania (Reid-ON 12/3, Cassidy 12/2) 0312 SP sports nx, ballads, accordion instr. nx, ID & into FR @ 0330. F (Smith-CT). 0440 EG nx on Malvinas & discourse on the UK (Pate 11/25).
- 11710 NEW CALEDONIA Noumea: 0815 reggae nx, FR bulletin by M, //7170 (Berkeley).
- 11715 SWITZERLAND SRI: 0145 EG sked w/fqys to NAM, Wld nx (Kreuzinger 11/14).
- 11720 BULGARIA Sofia: 0000 EG nx, cmntry, Science Report, //9700. G (Zilmer).
- 11730 SOUTH AFRICA R RSA: \*0200 EG nx, "Africa Today". G (Mayer-PA, Reid-ON).
- 11740 VATICAN STATE VR: \*0630 IT annts, mass in Latin (Abbey 12/4)/
- 11755 UAE Dubai: 0250-0300 Holy Q'r'anic wailing to 0300, AR annts, then more wailing. Good after 0300 (Buer-FL). 0355 EG Palestinian pgm. F (Smith-CT)
- 11760 CYPRUS BHC-relay: 0630-0730 jazz pgm w/EG M anc w/ID. Please listen for an ID before assuming Cook Islands, Thanks. (Ravenhorst-MW 11/30).
- 11770 KAZAKH SSR RMWS-Alma Ata: 1132-1200 EG-pgm on Russian romances (Pardam).
- 11770 PORTUGAL Gloria-RFE relay: 2300 EG Movie review, ID (Barta-ON 11/14).
- 11770 MEXICO XERM: 0110-0230 SP M w/tlk, lcl instr. nx, ID by W. (Jorda).
- 11780 BRASIL R Nac-Amazônica: 0120-0130 PT lcl nx, PT M anc, ID (Cassidy). 0802-0825 ID, PT W w/tlk, pop nx, ads, //15445 (Alexander-PA, Berkeley).
- 11785 BRASIL R Guaiba: 0357-0355 wall to wall ballads, US pops & PT music nx. PT W anc between songs, ads, ID @ 0348 by PT W, TC's, PSA's. (Smith-CT).
- 11785 UZBEK SSR R Tashkent: 1200 EG tlk on the "M-X" missile pgm. F (Pate).
- 11790 INDONESIA Vol: 1400-1454 EG Wld nx by M, cmntry by W (4 reporters). 1534 GM W w/nx & cmntry, annts to 1544, Indo MoR vocal nx (Dunavar 11/28)
- 11800 ITALY RA1: 2031-2045 EG W w/nx, ID, IT nx selections (Cucura 11/11).
- 11810 VATICAN STATE VR: 1600-1614\* EG religious nx. VG (Zilmer 12/4).
- 11815 LIBYA R Jamahiriyah: 2345\* EG annts & S/off 15-min. early. G (Reid-ONT).
- 11818 MOZAMBIQUE Maputo: 0445-0452 PT ID by M @ 0452, vernaculars song (Buer-FL).
- 11825 TAHITI Papeete: 0535-0730\* FR request pgm featuring pop nx & Island vocal selections, TT W w/tlk & Polynesian vocals to 0600 (Reed, Cucura).
- 11830 LIBERIA ELWA: 0730 EG tlk on the "Holy Spirit", prayers (Cooper 11/14).
- 11830 SOUTH KOREA EK: \*1600-1630\* EG nx, cmntry, "Touring Korea" (Rose 11/19).
- 11835 URUGUAY EL Espectador: 2304-2309 SP tlk by M w/mention of Uruguay, ID, SP nx & lcl SP songs, SP M & W w/tlk. QRM all around (Valko 11/9).
- 11845 JAPAN RJ: 2220 EG Gen. Svce. w/tlk on Nuclear Power, //17755. G (Wood)
- 11855 SAUDI ARABIA BSKSA: 1055 EG tlk on Islam, 1100 into a 26-part series(!) on the life of Noel Coward (is this too much of a good thing?). Had been on 11850 since I got here in Sept., but here as of 11/12 (Wood-S. Arabia).
- 11855 CZECHOSLOVAKIA R Prague: 0735 EG nx, cmntry, Mailbag. G (Alexander-PA)
- 11860 TURKEY VOT: \*1100 IS, FR ID, into nx, seems to be new svce. (Wood 11/12).
- 11860 EUROPEAN REFSR Krasnoyarsk-RMWS: 1830-1840 EG nx, Clcsl nx. VG (Halsema).
- 11865 BRASIL R Clube de Pernambuco: 0725-0810 PT ID, ads, TC, PT M w/annts, Bras. pop nx, many mentions of Recife, //6015. VG (Berkeley, Alexander).
- 11870 SAUDI ARABIA BSKSA: 0930 AR list of day's pgms; VG (Wood 11/8).
- 11870 LIBERIA ELWA: 2115-2130 EG "Back to the Bible"; G (Cassidy).
- 11875t BRASIL R Soc. Bahia: 2338-2355 PT M w/phone-in show, TC, and possible mention of sociedad, but nothing definite; VP & QRM de Spain (Valko 11/4)
- 11880 NORTH KOREA R Pyongyang: \*1900 KR ID, into nx, KR pgm to 1950\*, then KR \*2000; over REE, ex-listed 11885. G (Wood-Saudi Arabia 10/21).
- 11880 SPAIN SFR: \*0000 EG "Panorama", "Tourist Guide", EG nx, "R. Club America", SP guitar nx (Fraser, Krist, Stanley). 0115-0155 EG (Abbey, Meaders).
- 11890 USA WRNO-Worldwide: 2245-2359 EG Rock nx, ads, No "World of Radio" tonight thanks to "Saints vs. 49ers" football (Krist, Fraser, Meaders). "World of Radio" here to past 0005, then moves to 11965 even though sked lists 9515 after 0000, must be flexible. VG (D'Angelo 11/7). 2350 relaying lcl FM sta, call "340-WRNO"; ads for "Miller Highlife" which, like all other bch, is strictly prohibited here in the Kingdom, promo "Channel 26 3-D TV"; my first WRNO log here. G (Wood-Saudi Arabia 11/12).
- 11890 PHILIPPINES FEBC: 0910-0940 EG Bible Study: EG nx 0930. F (Paszkiwicz)
- 11895 PORTUGAL Gloria-RFE relay: 1938 EG newsreel, ID., P w/QRM de Habana (Barta)

- 11900 SOUTH AFRICA R RSA: 0430-0500 FR Afro nx; FR magazine pgm, ID's (Reed).
- 11905 AUSTRALIA RA: 2200 EG ID, into VT to SEAs, F (Zilmer 11/29).
- 11925 CANADA RCI: 2230 EG "As it Happens"; interviews //15325, 9760. VG (Wood)
- 11925 BRASIL R. Bandeirantes: 0023 Very excited PT M ancw w/soccer game, many mentions of Sao Paulo. Sound effects at big score. F (Chorosay-ME).
- 11925 PORTUGAL R&P: 0100-0115PT folk mx, PT M ancw between songs (Meaders) 0230-0330\* EG W ancw, PT mx pgm, culture in Portugal, bells IS (4 rptre)
- 11930 NORTH KOREA R Pyongyang: 2350 tlk by M in lang; lcl mx, ID (Zilmer 11/23)
- 11935 USA WYFR: 2205 EG letterbox pgm; letter from India. VG (Wood 11/14).
- 11938 KAMPUCHEA VoPK: 1246-1300 SEAs vocal mx, W ancw w/ID. G (Gundersen 11/14)
- 11940 GABON Afr #1: 0502-0530 Afro highlife mx, FR M w/mx, //4810(Wilkins,Reed)
- 11955 FRANCE RFI: 2230 PT tlk to Brazil; //11915,11995,9790. G (Zilmer 12/4).
- 11955 ANGOLA R Wac: 0527-0553 PT music mix w/PT W ancw, cmntry; G w/BBC off but BEC back on mid-sentence @ 0553 (Wilkins-CO 11/13).
- 11965 USA WRNO: 0000-0148 EG "This is the Rock", hype abt "oldest FM stn in US apparently now relaying "FM-100" w/ads, ID's, promo's. VG (4 reporters).
- 11965 WEST GERMANY DW: 1500 EG "Window on the World". G (Zilmer 11/24).
- 11990 KUWAIT RK: 0845 AR tlk on Islam, ID; VG (Wood-Saudi Arabia).
- 11990 CZECHOSLOVAKIA Prague: 0359\* EG S/off amts w/skcd & fqys. F (Meaders).
- 11995 FRANCE RFI: 0000 FR tlk & pop mx to Lam; //9785. G (Zilmer 11/27).
- 12000 EGYPT Cairo: 0300-0330\* EG nx by W, ME mx, ID, pgm previw, NA (Mayer-PA)
- 12010 EUROPEAN RSFSR Serpukhov-RNWS: 1111-1805 EG "News & Views", //11860, P-F (Halsema, Purdue). \*2000 RM to UK w/EG nx & cmntry. G (Reid-ON 11/18)
- 12015 PAKISTAN RP: 1601 EG slow-speed M w/mx. F (Zilmer 11/29).
- 12020 VIETNAM VoV: 2030 EG nx, ID, ex-15010w for D82; //10040. G (Wood 11/4).
- 12045 GREECE Vog: 0237-0341 EG ID, GK tlk & lcl instr. mx (Bonnet-IN 11/26).
- 12050 ASIATIC RSFSR RM-Petropavlovsk: 0400-0500 EG Bzraznev obit. (Wilkins-CO)
- 12070 MONGOLIA RUB: 1152-1210 M in lang. to 1159 IS; EG W w/ID @ 1200, "This is Ulan Bator...", into EG W w/mx. P (Gildter 11/19).
- 12095 UK BEC: 1805-1809 EG Wld nx. F-G; //11820 (Halsema 11/14).
- 13605 PAKISTAN RP: 1650-1715 TK M w/amts, ME mx, nx @ 1700, G-VG (Jordan).
- 13725 ISRAEL KI: 2104-2115 HB nx, ID, Israeli folk mx. G (Halsema 11/14).
- 13745 ISRAEL KI: 2113-2130 RS Interview w/Scharansky. F (Halsema 11/14).
- 13797 ICELAND ISBS: \*1826-1940 Bells, piano IS, ID by IC M, tlk by W, into nx @ 1900; discussion pgm. F-G (Stephany-NY 11/13, Jordan 12/4, Cassidy 12/4)
- 15045 GRENADA RFG: 2148-0012 EG M w/mx, sports ax, "Leland mx" pgm featuring the music of "St. Lucia"; ads, ID, TC. VG (Marker,Hensley,Stanley).
- 15050 GRENADA VoG: 1535 1540 GK/EG ID's, nx in EG by W; GK mx to 1550\*(Berkeley 11/19)
- 15060 SAUDI ARABIA BSKSA: 1600 tlk by M to 1610, into walling (Berkeley 11/19)
- 15070 UK BBC: 1610-1700 "Letter From America" w/A. Cook;G (Wilmers, Halsema).
- 15084 IRAN VOIRI: 0353-0420 AR M w/mx, ID, martial mx. VP (Jordan 11/20).
- 2305 AR M w/mx including live regotes; BSKSA no longer here; G (Wood 11/1)
- 15100 ASIATIC RSFSR Vladivostok: \*0033-0097\* R. Kiev-relay w/EG nx & cmntry; "Youth Program"; G (Krist-VA 12/3).
- 15110 INDIA -AIR-Delhi: 2300 EG M w/mx; VG (Wood-Saudi Arabia 11/19).
- 15115 AUSTRALIA RA: 0700-0725 EG Wld nx, Australian nx, Rpt from Asia (Sharpe)
- 15120 VATICAN STATE VR: \*1600-1619 EG nx to Afr (Rose 11/19).
- 15120 NIGERIA VoN: 2015-2201\* GM W ancw, Afro pop mx, Drums IS & ID "Hier ist Lagos", into GM nx. EG @ 2100; Clsing amnts & NA @ 2200(Alexander-PA).
- 0505-0545 EG nx of Nigeria. G (Reid-ON 11/30, Reed 11/20).
- 15120 CHINA R Peking: \*0100-0155\* EG Wld nx, Chinese sayings (Bonnet-IN 11/20).
- \*0200-0235 IS, EG tlk on US/Sino relations, sports, cmntry(Abbey,Stanley)
- 15125 TURKEY VoT: 1337-1400 EG W w/press review, ID, mx @ 1400(Zilmer,Jordan).
- 15140 CHILE RNC: 0240 SP ad for "Suzuki", pop mx. G (Pate 11/17).
- 15140 ASIATIC RSFSR Vladivostok-RNWS: 2130-2200 EG "Russian by Radio"(Sharpe)
- 15150 CHILE RNC: 2330-2335 ID, pop mx, EG "Hello America", M ancw. VG (Burke).
- 15155 SOUTH AFRICA R RSA: 1900 EG S/on info; Wld nx by M. F-G (Meaders).
- 15160 HUNGARY Budapest: 1516-1520 EG DX Show w/so-so tips. F-G (Burke-VA).
- 15160 AUSTRALIA RA: 2200 EG M w/mx, VG (Wood-Saudi Arabia 11/14).
- 15160 SPAIN REE: \*1700 SP ID, nx; VG (Wood 11/12).
- 15160 ALGERIA R Algiers: end FR @ 2000, ID by M in EG "You are tuned to the Int'l swch. of R. Algiers, broadcasting on LW 1200 m., and on SW on 15160, 15215 (unhrd), 15370 (unhrd). and 9160 (sic! said in a hesitant stumbling voice as if he could not read it or didn't believe it himself!)/
- 15170 TAHITI Papeete: 0318-0346 TT tlk by W, occasional FR, Poly vocal. (Wood/mx; Occasional FR pop mx; TT W w/mention of Papeete(Pate,Bonnet,Smith-CT).
- 15185 NIGERIA VoN: 0445-0500 EG W w/mx pgm featuring Afro lcl mx (Reed 11/20)
- 15185 USA WINB: 2109 EG preacher; my first WINB catch here. G thru Norway(Wood)
- 15190 SPAIN SFR: 2100-2200\* EG IS, ID, fqy skcd, Wld nx, "Press Review", SP mx, "Spain in the 80's"; cmntry; //15375. F (Alexander-PA 11/25, Zilmer 12/4).
- 15200 SEYCHELLES FEBA: 0315-0400\* IS "What a Friend We Have in Jesus"; tlk by M&W in SH; "FEBA" IS @ 0345; IS @ 0400. P-F (Cobb-ME 11/29, Meaders 11/21)
- 0410-0426 EG nx, religious tlk; "Christian nx rpt" @ 0426. G (D'Angelo).

- 15210 EGYPT R Cairo: 1309-1320 ME vocal mx, cntry by AR M; HS, //11665, 11785, 15175 (Purdum 11/22).
- 15215 CAMEROON Yaounde: 2241-2259 FR M ancr, ID, pop mx to 2259. G (Cobb-ME)
- 15220 MADAGASCAR R Ned: 2110-2120\* EG tlk on oil from Nigeria, ID (Cucura).
- 15220 TADJIK SSR RM relay-Dushanbe: 1044-1105 EG M w/nx, ID; to SEAs (Purdum)
- 15230 AUSTRALIA ABC-Lyndhurst: 0703-0715. EG nx, wx, lite EZI mx (Cucura 11/11)
- 15230 NORTH KOREA Pyongyang: 0030-0050\* EG anmts, ID, Korean mx (Gundersen).
- 15240 YUGOSLAVIA RI: 1528-1535 IS, EG nx, cntry on Brezhnev. P (Wilkins-CA)
- 15240 EAST GERMANY RRI: \*1300-1340\* EG nx, condolences for Brezhnev(Krist-VA)
- 15245 ZAIRE LVDZ: 0505-0533 FR M w/nx, US soul/rock & Afro mx, ID (Jordan 11/7)
- 15250 PORTUGAL Rdp: \*1900 ID, PT nx to Afr.; new fgy, VG (Wood-Saudi Arabia)
- 15270 TAIWAN VoFCL 1500 NA, CH'S/off anmts; G (Wood 11/19). (ger/)
- 15290 BRAZIL RNB: 0200-0255 S/on w/EG ID, sked, nx, Bras. mx(Meaders,Kreuzin-
- 15295 AUSTRIA ORF: 1500 EG fgy, sked, "Report from Austria";//11855 (Zilmer).
- 15300 UAE Dubai: 0322-0357 AR Wld nx by M; 0330 EG Wld nx, ID (Sharpe-CA).
- 15300 JAPAN RJ: 0040-0045\* EG M w/sports, S/off anmts; //17825 P (Jordan 11/24)
- 15305 SWITZERLAND SRI: 1330 EG Wld nx, history book of Switzerland (Purdum).
- 15310 AUSTRALIA RA: 2245 EG "sports report". F (Zilmer 11/20).
- 15320 AUSTRALIA RA: 0515-0545 FR anmts, pop mx. G (Reed 11/20).
- 15325 SOUTH AFRICA R RSA: 0109 EG "Media Review", "Conversation Corner", "P.O. Box 4559"; Xlnt (Krist-VA). \*0157-0240 EG nx & cntry(Meaders,Bonnet
- 15325 SEYCHELLES FEBA: 1500 EG Bible pgm to SEAs; //11895. VG (Wood 11/19)
- 15335 INDIA AIR: 1335 EG nx, cntry, ID @ 1345, rpt on Asian games (Berkeley).
- 15345 SAUDI ARABIA BSKSA: \*1300 presumed Bengali, IS, NA, ID, S/on anmts by M; Qa'ran recitations; F (Valko 11/11).
- 15364 CANARY ISLANDS REE: ID "Centro Eimor de Atlantico"; 2000 SP; G (Wood).
- 15375 SPAIN SFR: 2000-2030 ID, IS, EG nx to NAfr & Eur, //15190 (Wood,Zilmer)
- 15380 USA WYFR: 2210 EG Mailbagpgm; //15440, 17845. G (Wood 11/20).
- 15395 SPAIN REE: 1915-1930 SP tlk, Spanish mx; pgm to SAM (Braud 11/15).
- 15400 FINLAND RF: 1517-1522 EG Mailbag pgm, promo for Xmas pgm. G (Burke-VA\*.
- 15405 SEYCHELLES FEBA: \*1100 IS, AR ID, religious pgm at new time; VG (Wood).
- 15425 SRI LANKA SLBC: 0055-0202 EG Birthday Greetings, EG pgm of pop/rock mx; requests, ID; EG nx by M @ 0200; "Back to the Bible". Xlnt (4 reporters)
- 15430 MEXICO XERMX: 0327\* SP sked, ID, ID & S/off anmts. P (Smith-CT 11/24).
- 15435 GABON RFI-relay: 1930-2000 FR M ancr, pop mx (Braud 11/15).
- 15445 BRAZIL RN de Amazonia: 0129 PT "hot shot" DJ w/jingles & pop mx(Smith-CT)
- 15455 UKRAINIAN SSR Simferopol: 1258 Clecl. mx, RS W ancr, 1300 "Radiostantsiya Atlantica" w/15-min of nx, upbeat MoR mx. G (Jordan 12/2).
- 15484 ANTARCTICA RN Arcangel: 2350-0032\* SP W ancr, operatic solo, martial mx & Clecl. orchestral mx, drum roll, taps & S/off (Jordan 11/6, Feinberg 116) The mxr on this one may, in fact, be in the far South of Argentina-ye ed
- 15520 CHINA R Peking: \*0000-0027 EG nx, tlk on Reagan's LA trip; "mx from Chin", wx, tlk on travel in China. VG (Krist, Reid-ON). 0115-0155\* EG comparison of various CH leaders (Bonnet 11/23). 0325-0355 EG pgm (Sharpe)
- 15530 PAKISTAN RP: 1601 EG slow speed nx. F (Zilmer 11/23).
- 15535 SPAIN REE: 2243 SP tlk, 1cl mx, ID. G (Zilmer 11/23). (Braud/
- 15560 MADAGASCAR R Ned-relay: \*2030-2115 "Happy Stn" show, letterbox(Krist, /
- 15560 AUSTRIA ORF: \*1806-1820\* "Austrian SW Panorama"; DX nx de Hauser(Krist).
- 15575 SOUTH KOREA RK: 0200-0243 EG nx, cntry, tlk on Korean culture, ID, listeners letters, EG M&W ancrs, "Melodies of Korea" (4 reporters). 0540-0545 EG W w/nx, rpt on N & S Korea. F (Reid-ON 11/30).
- 15590 BELGIUM BRT: 1915 EG to Afr w/nx; to 2000\*; //7335. VG (Wood 11/14).
- 17560 GREECE VoG: 1230-1250\* GK instr mx, //15050,11645, EG nx 1230-1235; wx, obits for Brezhnev; F (Jordan 11/15, Purdum 12/5).
- 17605 NETHERLANDS R Ned: 1330 EG nx, "Newslines", "SW Feedback". F (Krist-VA).
- 17620 FRANCE RFI: 1600-1615 EG "Paris Calling Africa", nx. F (Casidy 12/4).
- 17660 SPAIN REE: 1716-1718 SP DX pgm, explanation of fading (Halsom 11/13).
- 17695 UK BBC: 1710-1716 EG nx to Afr, "This Week to Africa", nx roundup(Halsom)
- 17695 NETHERLANDS ANTILLES R Ned-relay: 2030 EG "Happy Stn", //21685 (Fraser).  
By the time you get this, hope you had a Merry Christmas, a Happy Hanukkah & a very very happy new-year. Oh, by the way, I am now an Extra Class radio amateur. I have decided to retain my old call signs for now but will be applying for new calls next year. So 73 de K6IBD *Steve*



# LOG REPORTS

## section E

17700 and above

Editor: Brent Saylor, P.O. Box 10, Whitehall, PA 18052

- 17700 GUAM Trans World Radio; 2200-2215 CH, IS, ID, mx, Cuba and (rose)  
17700 CUBA R Havana Cuba; 2100-2210 SP, IS, nx, cmtry (rose 11/18)  
17705 NEW ZEALAND RNZ; 0330 EG, "Mx For Pleasure" pgm, f (Stanley 12/2)  
17715 SINGAPORE BBC; 2359 EG, s/on, world nx, g (Feinberg 11/6)  
17720 USSR R Moscow; 0239-0300 EG, interview, History Club (Sharpe)  
17730 USA VOA; 0042 EG, "Report to the Americas", very good (Krist)  
17745 CHINA, R Peking; 0205 Cantonese (CH), tk in CH, good (Meaders)  
17755 JAPAN RJ; 2100-2130, 2256 EG, nx, mx, cmtry, curr events (Choroszy,  
17765 USA APATS; 0300-0400 EG, Monday Night Football (Kinohen) (rose)  
17795 FRANCE RFI; 1601 EG, Paris Calling Africa, p (Zilmer 11/26)  
17795 AUSTRALIA RA; 0320-0400 EG, nx, mx, sports, f-p (Stanley 12/1, Gilster  
17800 TAIWAN VOPC; 0300 EG, CH lang lesson, Austr RM, f (Stanley)  
17800 NIGERIA VON; 1545-1630, 1830 EG, drums, ID, nx, g (Valko 11/2, Meaders)  
17810 PHILIPPINES FEBC; 0040 EG, nx, ID, rel tk, 0100\* (Cooper 11/19)  
17815 BRAZIL R Cultura; 2250-0100 PT, solid mx, few ID's (Smith, Stephany,  
17825 JAPAN RJ; 2345, 0130 EG, nx, features (Stanley, Meaders, Alexander)  
17825 ECUADOR HCJB; 2130-2200 EG, DK Party Line (Wilkins) (Choroszy)  
17830 BRAZIL R Bras; 0200-0300 EG, pop mx, pgms on piranha and wild  
animals in Brazil (Bonnet, Fraser, Krist)  
17855 CHINA RP; 0035-0055 EG, piano mx, f announc, good (Meaders)  
17870 USSR R Vilnius; 2300 EG, Lith nx, current affairs, g (Stanley 12/1)  
R Kiev; 0030, 0300-0330 EG, nx, cmtry on MK missiles (Stanley, Krist)  
17875 CANADA RCI; 2129-2158 EG, "SWL Digest", exc (Krist 11/6)  
17880 SWITZERLAND SRI; 1535 EG, nx, f (Burke 11/23)  
17885 ECUADOR HCJB; 0100 EG, "Passport", rel pgms (Fraser, Krist, Bonnet)  
17890 SPAIN REE; 1655 JP, sports live, //21780 (Wood 11/12)  
17890 ECUADOR HCJB; 0050-0117 EG, nx, Ecu history, good (Meaders)  
17895 CHINA RP; 0000-0040 EG, nx, "Cultural roundup" (Meaders) (Wood)  
17930 SAUDI ARABIA BSKSA; 1900 AR, ID for Riyadh, nx; over/under SPLAJBS  
17940 CLANDESTINE v of the Sudanese Popular Rev; 1510-1730\* AR, mx,  
Full IDs as "Sawt ath-Thawrah ash-Sha'b'iyah Sudaniyah"; much stron-  
ger than Libya 17930, v good (Choroszy 11/14, Valko, Jordan)  
21465 EAST GERMANY RFI; \*1215-1257, 1555 EG, nx of art exhibits, cmtry  
on JS nuclear policy, f (Burke 11/23, Krist)  
21470 AUSTRALIA RA; 0118 EG, mx, science pgm, nx, editorial (Krist 11/13)  
21470 ASCENSION ISLANDS BBC; 1645 EG, live sports game, // 15260 (Cobb,  
21475 USSR RM; 0013 EG, tk on US/USSR nuc arms policy (Sharpe) Witzig)  
21477.5 ECUADOR HCJB; \*2129-2159\* EG, DK Partyline (Krist 11/8)  
21520 SWITZERLAND SRI; 1530 EG, nx, mx, //21570, 15125; f (Zilmer 11/28)  
21525 USA WYFR; \*1600 EG, Bible tk, earliest rept here, g (Wood)  
21545 SAUDI ARABIA BSKSA; \*1600 UR, ID, into azan, vg (Wood)  
21570 MOROCCO Rabat; 2000 AR, ID, sked for Eur, East, Afr (N), vg (Wood)  
21570 SWITZERLAND SRI; 1325, 1553, 1811, 0115 EG, nx, sports, Swiss SW  
Merry Go round (Burke 11/29, Meaders, Wilkins)  
21580 FRANCE RFI; 1600 EG, Spotlight on Afr (Burke 11/23, Wimmers)  
21600 WEST GERMANY DW; 1538 EG, to Afr, sports roundup (Burke 11/29)  
21610 JAPAN RJ; 0130-0158 EG, sports nx, cmtry, //21640 worse (Meaders)  
21610 ITALY RAI; 1405 IT, sports report (Zilmer 12/4)  
21615 AUSTRIA ORF; 1230 EG, shortwave roundup, exc (Fraser 11/27, Pate)  
21640 JAPAN RJ; 0130-0200 EG, nx, current events, f-g (Meaders)  
21675 KUWAIT RK; 0730 AR, ID, mx, vg over FRI (Wood 11/5)  
21680 AUSTRALIA RA; 0030 EG, rock mx, //9580 worse (Meaders)  
21685 NETHERLANDS ANTILLES R Nederland; \*2030-2120\* EG, "Current Af-  
fairs", nx, "Media Network", vg (Krist 11/11)  
21710 UK BBC; 1700 EG, nx, sports, //15070, 15260, 17830 (Halsema 11/13)  
21725 NORWAY RN Int'l; 1600 EG, Norway This Week, //25730, 25613 (Zilmer)  
21725 VATICAN Vatican R; 0825 EG, "With the Pope in Spain" in JP/FR/IT/EG/  
PO/PT, tp 0827\*, vg (Wood)  
21735 PORTUGAL Radif Port; 0930 PT, political tk, vg (Wood) (Purdum)  
21740 ARMENIAN SSR 1332 EG, R Moscow via Yerevan, class mx, //11840

21740 AUSTRALIA RA; 0130 EG, mx, cmtry, better than //9580 (readers 11/18)  
 21745 USA VOA; 0030-0059\* CH-EG, CH-EG lang lesson, g (Bonnet 11/21)  
 21802.5 PAKISTAN RP; 0900 JR, film mx, new freq, vg (Wood 11/2)  
 21810 BELGIUM BR1: 1610-1700 DT, pop mx, tlk, ID, s/off 1700 (Reed 11/20)  
 21840 USA VOA; 1840 EG, tlk abt US econ, mx (Krist 11/7)  
 23440h CYPRUS BBC Limassol; 1655 AR, pol tlk, better than fund 11720  
 which was rM'd, g (Wood)  
 25650 UK BBC; 1300-1515 EG, radio Nxr reel, exc (Halsema 12/2, Krist)  
 25690 PORTUGAL R Liberty; 1510 RS, ID "R Svoooda", jamming (Halsema)  
 25730 NORWAY RN; 1200 NO, ID as "Dette er Norge", "This is a Norway Intl"  
 //25615 (Wood 11/12); 1400, 1700 EG, ID's, nx (Jordan, Halsema, Krist)  
 25790 SOUTH AFRICA R RSA; 1400-1515 EG, Afr nx, science pgm, PO Box 4559,  
 mx pgm, g-vg (Krist, Purdum, Halsema, Fraser)  
 25850 DENMARK 1235 EG ID, into DN interview (Fraser 11/27) 1315-1353\*  
 DN, tlk, interviews, EG/DN ID's (Jordan 11/23)  
 25920 USA VOA; 1459 RS, "Yankee Doodle", ID, nx, g but jammed (Halsema)  
 25970 MADAGASCAR R Nederland; 0720 EG, s/off, back 0729 in DT, //21480;  
 unusual log considering time and freq, p (Halbert CA 11/26)  
 26000 USA VOA; 1700, 2231 EG, "Mx Time in Afr", world nx (Halsema, Braud)  
 26020 ECUADOR HCJB; 2215 JP, rel tlk, fair (Braud 11/21)  
 26030 NORWAY RNI; 1400-1445\* NO/EG, EG at 1400 w/nx, //25730, 21700,  
 NO 1435-1445 w/ folk mx, EG/NO ID (Zilmer 12/5, Purdum)  
 26040 USA VOA; 1502, 1945 EG, world nx, "Dateline", "Nightline Afr", dual-  
 path echo (Krist, Halsema)  
 26490hsh UK BBC; 1700 EG, world nx, g, USB (Halsema 11/14)  
 one more...

19950 FALKLAND ISLANDS VPC Wireless and Cable Ltd, Stanley; 1452-1515  
 EG, radiotelephone to UK, voice mirror also; not SWBC out fun any  
 how, poor (Robertson-CA12/1)

Happy New Year!

73,

NO COLLECT CALLS ON THESE ADS, PLEASE.

FOR SALE: Drake R7 receiver in mint condition. No marks or scratches.  
 Has noise blanker, MS-7 speaker, and 6, 4, 2.3, 1.8, and .5 filters  
 for top selectivity. Price \$985.00. ALSO one 24-hour Howard Miller  
 design clock. Operates one year on batteries. Price \$20.00. Roger  
 Bisbee, 1702 Waldemere Street, Sarasota, FL 33579. Phone (813) 955-  
 0234.

FOR SALE: Grundig SW Converter KWV 1000 for car radios. Covers 13  
 through 90 meter bands. Like new. Price \$80.00. Robert Overmyer, 3673  
 Pearl, Monroe, MI 48161. Phone (313) 289-4293.

FOR SALE: Johnson Viking matchbox in immaculate condition, \$80.00.  
 Navy FRR-502 Slavemaster receivers and field case, \$75.00. Sony 2001,  
 \$160.00. Dale Long, 266A Long Lane, Lititz, PA 17543. Phone (717)  
 626-8714.

FOR SALE: ICOM IC-R70 receiver only one month old and in perfect  
 condition. Still under warranty. This is the receiver I used to write  
 reviews for FRENEX, NRC, DXN, and LOWDOWN. Must sell, I can't justify  
 the expense of owning both an IC-R70 and my R7A. Price \$560.00, I will  
 pay shipping. Vince Pinto, 2 Farview Terrace, Airmont Acres, Suffern,  
 NY 10901. Phone (914) 357-7266.

WANTED: I wish to buy back issues of FRENEX published prior to August,  
 1976 for my collection. If you wish to sell, please advise issues  
 available, condition, and price. Bill Martin, 43 Hurst Road, Wilmington,  
 DE 19803.

WANTED: A QSL card, program schedule or anything printed by Radio Rome  
 during the 1920's, 30's, or 40's up to 1943. I will pay well. L. Kantor,  
 2939 North Avenida de la Colina, Tucson, AZ 85749.

# LOG REPORTERS

## FRENDX

These folks helped us kick off the new year with their reports:

Leonard Abbey, Atlanta, GA (DX-302); Brian Alexander, Mechanicsburg, PA; P. Barta, Toronto, ON; Jeff Billier, East Brunswick, NJ (FRG-7700, DX-160); Charles Bolland, Lakeworth, FL (FRG-7000); Arthur Bonnet, West Lafayette, IN (DX-302); Brent Braud, Baton Rouge, LA (FRG-7); Paul Buer, Miami, FL (SPR-4); Lynn Burke, Newport News, VA (SPR-4); Paul Choroszy, Saco, ME (FRG-7000, SX-100); Ken Cobb, Portland, ME (RF-4900); Dave Cooper, Saginaw, MI (DX-200); Vladimir Cucura, Reading, PA (R-390, FRG-7, R-7); Richard D'Angelo, Wyomissing, PA; Pat Dunavan, San Antonio, TX; E. Feinberg, Brooklyn, NY (RF-2900); Marlin Field, Hillsdale, MI (SPR-4, SX-100); Bob Fraser, Cohasset, MA (XCR-30); Ton Gavaras, Plymouth, MN; Paul Gilster, Raleigh, NC (FRG-7mod, ICF-2001); Robert Gundersen, Northfield, MN (R-1000); Dan Halbert, Berkeley, CA (R-600); James Halsema, Glenmoore, PA (ICF-6700W); Baxter Hensley, El Paso, TX (FRG-7mod, SX-190); Ron Howard, Santa Barbara, CA (SB-310); Hans Johnson, Austin, TX (RF-2200); Rufus Jordan, Pittsburgh, PA (DX-320, Transoceanic); Choice Kinchen, Houston, TX (DX-160); William Kreuzinger, San Pablo, CA (RF-2200); Kraig Krist, Falls Church, VA (FRG-7700); Brett Marker, Rockford, IL (CRF-320); Bill Mayer, Allentown, PA (DX-200, GE portable); J. Conrad Meaders, Atlanta, GA (DX-302); Sheryl Paszkwicz, Manitowoc, WI (DX-302); J. Gary Pate, Baltimore, MD (R-1000); Neal Perdue, Falkville, AL (R-1000mod); Wilder Pickard II, Evanston, IL (R-7, XCR-30); Gene Purdum, East Lansing, MI (FRG-7700mod); Greg Ravenhorst, Hollandale, MN (R-4C); Stewart Reed, Baton Rouge, LA (FRG-7mod, R-388); Andy Reid, Peterborough, ON (S-53A, DX-60); Lin Robertson, San Diego, CA (R-390A); Craig Rose, San Jose, CA (DX-100, GE portable); Mitch Sams, Farmington, AR (FRG-7mod); Bryan Sharpe, Castro Valley, CA (DX-302, DX-60); Christopher Smith, Stratford, CT (R-1000); Todd Smith, Wilton, CT (Astro-5); Trevor Stanley, Flagstaff, AZ (CRF-320); Nolan Stephany, Williamson, NY (R-392); Dave Valko, Dunlo, PA; Dave Walcutt, New York, NY (R-7A) and Honolulu, HI (ICF-2001); John Wilkins, Wheat Ridge, CO (R-1000); Robert Wilkner, ??, FL (FRG-7700mod, ICF-70); Bernie Wimmers, Madison Heights, VA (R-1000, FRG-7mod); Eric Witzig, Annandale, VA (R-1000); Richard Wood, Abha, Saudi Arabia (R-7, R-1000); Bob Zilmer, Rio Rancho, NM (R-1000).

The deadline for reports to be received by the Distributing Editor is the 12th of each month. Loggings should be submitted on FRENDX log slips or something similar, with log slips cut apart. Reporters should also send a signature slip so they can be properly credited on this page.

This is my last month as Distributing Editor and I'd like to thank all those who have sent their seasons greetings and best wishes with my ANARC position. I've greatly enjoyed the last three years with NASWA and the many friendships that have gone along with the job. I'll look forward to reading your reports in upcoming issues of FRENDX.

73 de tc,

Terry

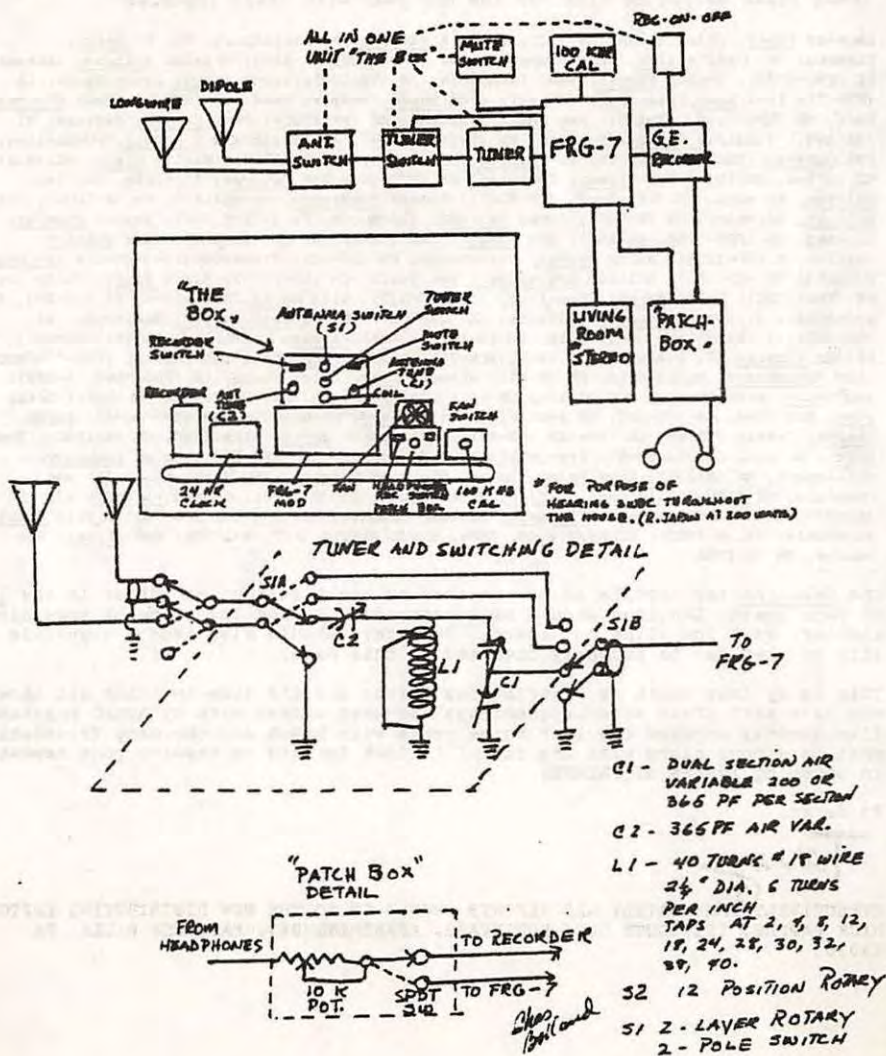
EFFECTIVELY IMMEDIATELY ALL REPORTS SHOULD GO TO THE NEW DISTRIBUTING EDITOR: NICK PAPPAS, 251 SOUTH OLDS BOULEVARD, APARTMENT 243, FAIRLESS HILLS, PA 19030.

# ANTENNAS/ACCESSORIES

Hi everyone. Do you remember Lin Robertson's list of stuff that I presented in a past issue? I had Chuck redraw what lin had sent me in the way of a diagram. Take a look- maybe you can use these ideas?

Best 73s Mike

301 N. Progress Ave Apt G10 Harrisburg Pa 17110-



HAP BID ITEMS: ITEM #170:Radio Polonia double sided cloth pennant w/tassel (4x6")very beautiful: #171:Radio Polonia station pin,red,silver,white.#172: Radio Polonia 4 different sticker stamps,m/c.#173:RAI(Italy)sticker w/"Woman Dancing"(4x5.5")m/c.#174:RBI(DDR)double sided 4"cir. coaster-nice!! #175:Deutsche Welle(FRG)sticker(3.5x5.5")blue,B&W.#176:WINK sticker(4x8.5) m/c.#177:Greek DX Club sticker(4x4")blue,yellow,white.#178:KFMB "Rainbow" sticker(4x6.5")m/c.#179:WDR Radio(FRG)3 different stickers,m/c.#180:KTXQ metal badge(1.5"cir)m/c-very nice.#181:Radio RSA(South Africa)plastic coaster(4"cir)silver,blue.#182:IBA(Israel)"Flowers" book marker w/tassel-nice #183:Radio Waikato(New Zealand)sticker(3x9.5")red,white,blue.#184:5UV(Australia)sticker(2.5x10")2 tone brown.#185:5UV sticker(2.5x10")blue,white & green-sharp! #186:PJD2 Sunshine Radio(Netherlands Antilles)beautiful yellow pages address book.#187:Radio Monte Maddalena(Italy)sticker(4x6.5")blue, white.#188:Radio Nacional do Brasil sticker(3.5"cir)m/c-very beautiful! #189:1XX(New Zealand)station ballons,m/c.#190:Radio Avon(New Zealand)sticker(2.5x9.5")red,white,blue.#191:WPLJ 5 different personality glossy photos of on-air personnel.#192:Radio Sweden poster(12x17")m/c.#193:KIRO key chain,blue,white.#194:Radio Tele Pace(Italian SWBCer)sticker(3.5"cir)m/c-beautiful!! #195:Radio Victory(UK)double sided coaster(4"cir)m/c.#196: Radio Rhema(New Zealand)sticker(3x8")red,white,blue.#197:RFI(France)bag tag,blue,white.#198:Radio Avon sticker(5x19")red,white,blue.#199:Radio Prague(Czechoslovakia)station pin,red,white,gold.#200:Radio Prague station pin,blue,red,white.#201:Cardiff B/Cing Corp.(Wales)sticker(2.5x5")white & blue.#202:Deutsche Welle 5"reel to reel tape containing 5 minutes of pre-olympic information in English.#203:VWVI(Virgin Islands)sticker(3.5x5") blue,white.#204:Radio JCS(Japan)beautiful photo QSL card.#205:Radio Hallam(UK)decals(2.5x13")m/c.#206:BBC-WS(UK)metal badge(1.5"cir)red,white,blue.#207:WPLR key chain,red,white.#208:Radio Clyde(Scotland)"Triangular"pen, red,white.#209:Radio Clyde key chain,red,white-nice! #210:Radio Forth(Scotland) coaster(4x4")orange,B&W.#211:Radio Forth ballon,orange,black.#212: Metro Radio(UK)station pen,red,white.#213:Radio Hallam sticker(1x12")B&W, orange.#214:Radio Clyde metal badge(2"cir)red,white.#215:World Communications Year-1983 sticker(3x3")m/c-beautiful! #216:GFOX sticker(4.5"cir) m/c georeous! #217:HCJB(Ecuador)cloth pennant "50th Anniversary"(4x7.5")blue, gold,white.#218:Voice of America sticker(3"cir)red,white,blue.#219:Radio Panda(Italy) 2 diff rent "Panda" stickers-very cute!! #220:1960 Alaskan C60 Cassette Tape featuring KINY,KJNO,KENI,KLVH,KBYR,KFAR,KLAM and AFRS.#221:Portuguese popular music "Varios Grande Parada" C60 cassette tape.#222:Radio Huaraki cassette tape of famous ship sinking of this New Zealand land pirate @ 20 minutes long.#223:Portuguese popular music C60 cassette tape "Disco Type". This tape and #221 are from Radio Renascensa.#224: Latin American C60 cassette tape featuring many LA stations w/ IDs.

HAP DIRECT SALE ITEMS: The following stickers/decals are \$.25 each or any five (5) for \$1.00: New since last issue: KVOO,KWRE,WPOC,WCTI,WBRU,WROL, KIKK,WXRT,CFGN,WSPU,WIGY,WZZE,WEEI(mini),KOLO. We also have the following in stock: KGO,WCAU,KMET(large),KMET(small),KWK,KTYD,WBRE,WVWE(new),WSSST, WHK,Music-TV,WGCL(new),WRCC(large),WRCC(small),WSAI,WMET,KAZM,WGLB(silver), WGLB(gold),WJNC,KBOI,KYKS,Radio RSA,Radio Budapest,KOKE,KWIP,KLRZ,Radio Avon,Radio Exterior de Espana,KMFB,Radio Forth,KEX,KOME(black),KOME(yellow) WLRB,WDOM,KLZ,KCUZ,KSIR,Radio Canada International,PCH,KTXQ,KCOL,KJR,CKLG, WCMF,ABC-FM Perth,1ZB,ORF,6KY,Swiss Radio International,SWF,4GG,WJVA,CKNW, KATR,WLPX,KBDF,KBDF-1280,Radio Aire,KWAX,WMMR,WIRE,WLUP,KHFI,WINS,WPLR, WWSW,WHAL,WCFI(large),WCFI(small),WDET(large),WDET(small),KROY.

ADDITIONAL DIRECT SALE ITEMS: The following items are for sale at the quoted prices: WMMR book covers \$.25; WEMP iron-ons \$.25; CBC Southwest Ontario litter bags \$.50; The following B&W mini-posters are \$.25 each: Radio Nord Radio London, Radio Caroline, Voice of Syncom, Radio Fil Rose, Radio West, Radio Duomo(car), Radio Duomo(woman), 5UV(clock) and 5UV(food). WWOV ice scrapers \$.50; 2GB ballons \$.25; KLOS ballons \$.50; KCRG plastic ID cards \$.25; KBOI paper hat \$.75;

The following metal station badges are \$.50 each: CFTK,KZAM,Radio Forth, CFTR,CFTR "Blues Brothers",WLPX,Radio City-194,WMET,WMMR and WLUP.

ADDRESS: Send in your bids as soon as possible. Orders for direct sale items and for all bids should be sent to: Sam Barto, 489 King Street, Bristol, Connecticut, USA 06010.

NOTICE: Please try to keep your minimum order to at least \$3.00 in North America. Overseas orders should be a minimum of \$5.00.

UPDATE: We have just added the AGDX to our ever growing list of DX Clubs that carry the HAP Page. Welcome! The following organizations also carry our listings: NASWA,ASWLC,HAP-Australia,ANARC Newsletter,SCDXC(Australia), GDXC(Greece),DXAGB(UK),ADDX(Germany),PLAY-DX(Italy),IDXCSD,CIDX(Canada), SCARS(Senior Citizen Amateur Radio Society),GWDXA,and Decalomania.

# NORTH AMERICAN SHORTWAVE ASSOCIATION

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Update: Besides FRENCH, NASWA also publishes UPDATE....a mid month newsletter with the very latest DX news while it's still news. (UPDATE also appears in each issue of FRENCH). It is only available to NASWA members.	
"UPDATE" SUBSCRIPTION RATES PER YEAR:	
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Sample copies of FRENCH and UPDATE are available for \$1.00 in N.A.	
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