

FRENDX

NORTH AMERICAN RELEASE

UTC	My Time	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	My Time	EST AM	METER BAND	
1130		BEING ALIVE		Insight for Living with Dr. Charles Swindoll				Sounds of Joy		6:30	11740 kHz	
1200		Urban Alternative		Sound Words with Dr. Gil Rugh				Radio Reading Room		7:00		
1230		HAPPINESS IS We present HCJB staff, visitors and in-depth topics daily. HAPPINESS IS										
1300		Grace Worship Hour	MORNING IN THE MOUNTAINS						Morning Song		8:00	15m 17880 kHz
1330		Telling the Truth with Stuart Bracco	* Stories of Great Christians (1300) * Insight						Moody Presents		8:30	19m 15115 kHz
1400		MOUNTAIN MEDITATIONS	* Our Daily Bread (1315) * Guidelines for Living NEWS 1325 1425 1525 1625						Back to God Hour		9:00	delayed
1430		Dr. J. Vernon McGee	Thru the Bible with Dr. J. Vernon McGee						Dr. J. Vernon McGee		9:30	beginning (also south)
1500		Youth Time Radio	1500: Joni	1505: SHALOM	1520: James Dobson Family Commentary		Bible Adventures The Word Today			10:00	25m 11740 kHz	
1530		We Kids	Back to the Bible						Children's Bible Hour		10:30	
1600		Obyssey USA	For People Only						Visit with Mrs. G. Adventure Plus		11:00	17890 kHz
0030		Turning Point	Insight for Living with Dr. Charles Swindoll				Words of Hope			PM 7:30	25m 15110 kHz	
0100		Calvary Hour	Focus on the Family with Dr. James Dobson				Urban Alternative			8:00	Also south	
0035		NEWS Reportage Pause for Good News	0035 NEWS	0040 Psychiatry and You	0045 Our Daily Bread	0050 Guidelines		NEWS 20m Focus 2000		7:35		
0100		NEWS PASSPORT	LATIN AMERICAN NEWS (0100) PASSPORT WORLD NEWS (0150)						NEWS DISCOVERY Family Foundations		8:00	19m 15155 kHz
0130		SALUDOS AMIGOS NEWS	HCJB's magazine of the air. News, music and special features from Ecuador and the world.						NEWS		8:30	also 0300
0200		HCJB TODAY	DX PARTYLINE	MUSICA DEL ECUADOR	HAM RADIO TODAY	MUSICAL MAILBAG	SOUNDS OF JOY	DX PARTYLINE		9:00		
0230		HAPPINESS IS We present HCJB staff, visitors and in-depth topics daily. HAPPINESS IS										
0300		The Search	0300 NEWS	0300 Guidelines for Family Living with Dr. Harold Sala				NEWS Hour of Decision		10:00		
0330		Youth Time Radio	Random Thoughts	Master Plan	Heaven and Home Hour	Christian Brotherhood Hour	UNSHACKLED	The King is Coming		10:30		
0400		Hour of Freedom	Grace Worship Hour	Wonderful			Radio Reading Room			11:00	31m 9720 kHz	
0430		NEWS (0400) MUSIC IN THE NIGHT Sacred music and inspiration at the close of the day (JAPANESE RELEASE TO NORTH AMERICA)										
0500		NEWS PASSPORT	LATIN AMERICAN NEWS (0500) PASSPORT WORLD NEWS (0550)						NEWS DISCOVERY Family Foundations		12:00	
0530		SALUDOS AMIGOS	HCJB's magazine of the air. News, music and special features from Ecuador and the world.						NEWS		12:30	45m 12330 kHz
0600		NEWS HCJB TODAY	DX PARTYLINE	SALUDOS AMIGOS	HAM RADIO TODAY	MUSICAL MAILBAG	SOUNDS OF JOY	DX PARTYLINE		1:00	from 0900	
0630		NEWS (0655) MUSIC IN THE NIGHT Sacred Music and inspiration at the close of the day. Radio Reading Room										

HCJB OFFERS ATTRACTIVE QSL CARDS. A new card is offered every two months—during 1989 featuring various postage stamps from Ecuador. To receive a verified QSL card, please send the following:

1. Name of the program
2. Time in UTC
3. Date
4. Frequency
5. Program details & comments.

TO RECEIVE YOUR QSL CARDS VIA AIRMAIL, WE REQUEST THAT YOU INCLUDE:

Unused postage stamps sufficient to mail a first-class domestic letter (25 cents in the U.S.A. - 37 cents in CANADA) or one International Reply Coupon (IRC). We

prefer stamps from the U.S.A. and CANADA, IRCs from the rest of the world. IRCs must be stamped. They can be purchased at post offices in most countries.

ANDEX INTERNATIONAL

Andex is a listeners' club operated in conjunction with the DX PARTYLINE program. Club benefits include an eight-page bimonthly bulletin featuring articles about HCJB, the shortwave world, improving reception and much more. For membership and other details write:



ANDEX-HCJB
Casilla 691
Quito, Ecuador
South America

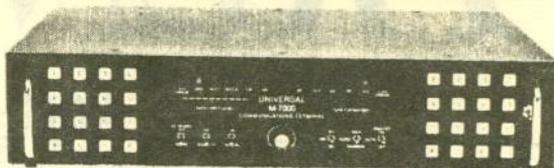
HCJB broadcasts in 14 major languages for a total of over 100 program hours daily. For a complete listing of all broadcasts by HCJB World Radio, contact us for an International Program Schedule.

HCJB
Casilla 691
Quito, Ecuador
South America
Telex: 22734 HCJB ED
Phone: (593)-(2)-241-550 ext. 441

Printed in Ecuador by HCJB Imprenta Vozandes

UNIVERSAL SHORTWAVE RADIO

Universal M-7000



Never before has such monitoring sophistication been available to the private listener. The M-7000 retains all of the earlier M-6000 series features including more modes, more speeds, more shifts, more sophisticated features to let you listen to the exciting world of radioteletype and FAX on shortwave and satellite! This is the only device you can buy to intercept ARQ-Moore (Time Division Multiplex), ARQ-E and ARQ-E3 used by diplomatic, military and aeronautical concerns worldwide. The M-7000 has calibrated variable Baudot speeds with calibrated variable shifts. The M-7000 has three user programmable sel-cals. You punch in one, two or three words (or codes) which will automatically activate your printer when they are received. Think of the potential for this feature! The M-7000 can be completely remote controlled by a terminal or computer permitting full automation. The M-7000 itself is very automated, utilizing a micro-processor to control shift tune and selection. Press a key and the M-7000 tunes the mark, finds the space, and displays the approximate shift. Tuning couldn't be simpler! The M-7000 offers a user selectable initialization format and ten multi-function memories to store your most frequently used operating parameters. Other features include: on-screen tuning indication, printer & video squelch, High-Low Tone select, 1050 and 1800 Baud ASCII, 85 and 1200 Hz shifts, six ASCII shifts, parity select on ASCII, automatic gain control (three settings). Instructive LEDs for: Mark, Space, Power, Buffer, Morse Lock, Autostart, IPI, Squelch, Idle, Sel-Cal, Data, Tuning Error and Data Error (helpful in determining correct speed, protocol and sync.). Other refinements you have come to expect from Info-Tech include: automatic threshold control, unshift-on-space, built-in diagnostics, Bit Inversion (Baudot), speed readout, status line (reverse video), scope output. Both serial and parallel printer outputs are provided! Serial output is provided in eight baud rates and the 8th bit is selectable. When you are ready for the ultimate in RTTY, you are ready for the Universal M-7000. Nothing else even comes close! Physical: 16.4"W x 3.5"H x 12.75"D. Black metal cabinet. 9 Lbs. (12 Lbs. ship). 115 or 230 VAC, 50 or 60 Hz. Manufactured in the U.S.A. by Digital Electronic Systems. It requires a composite video monitor (and compatible printer for FAX). Supplied with complete owner's manual (with schematic). A second "Getting Started" manual is also supplied for new RTTY listeners.

- Standard Baudot Shifts - 170/425/850
- Extended Baudot Shifts - 85/1200
- ASCII Shifts - 85/170/425/850/1200
- ARQ Split Screen
- ARQ Surveillance - Multi-channel.
- Speed Readout: Indicates the incoming RTTY transmission rate (± 2 baud).
- Auto Baud: Automatic Baud rate selection
- Auto Shift: Automatic Shift Selection
- Auto Tune: Automatic Baud, Shift, Sense
- Aural Beep At: 1-Keypress 2-Sel-Cal 3-Bel char.
- Dual Metering & Status Line Tuning
- Direct Entry of Baud and Shift
- Sel-Cals: 3 User programmable sel-cals for auto matrix printer start-stop upon receipt of keywords
- Scope Output
- Autostart Output
- Screen Print and Screen Saver
- Help Screen

- Filtering Control: Wide-Narrow-Normal
- Limiter
- Diversity Reception
- MSI Multiple Scroll Inhibit: Eliminates blank space on screen and/or printer.
- ATC Automatic Threshold Control for improved copy during fading
- AGC Automatic Gain Control determined by unit or selectable $\pm 15\%$.
- UOS Unshift On Space auto shift to letters case after blank received.
- Self Test: Built-in diagnostics
- Squelch selectable for screen and/or printer.
- Input Gain Control
- Status Line with on-screen tuning bar.
- Four Alphabets: ITA, MIL2, TELEX, Cyrillic
- Remote Terminal Operation
- Video Scroll up-down - 4 standard TTY pages.
- OPI Over Print Inhibit feature.

RECEPTION MODES

- Morse Code with auto speed ranging. 5 to 120 W.P.M.
- RTTY Baudot - Standard Speeds: 45, 50, 57, 74 and 100 baud. 60, 66, 75, 100 and 132 W.P.M.
- RTTY Baudot - Non-Standard Speeds: 37 to 251 baud.
- RTTY Baudot - Bit Inverted. Manual or automatic sequencing.
- RTTY ASCII - Low Speed Standard: 75 and 110 baud.
- RTTY ASCII - High Speed Standard: 150, 300, 600 and 1200 baud.
- RTTY ASCII - High Speed Non-Standard: 1050 and 1800 baud.
- Sitor A - (ARQTOR, Amtor A)
- Sitor B - (FECTOR, Amtor B) Collective and Selective
- VFT (FLM) - (8, 12, 16, 24 channel)
- ARQ (Moore Time Division Multiplex) Two Channel 86, 96, 100 baud.
- ARQ (Moore Time Division Multiplex) Four Channel 172, 192, 200 baud.
- ARQ-E 48, 64, 72, 86, 96, 144 and 192 baud.
- ARQ-E3 48, 64, 72, 86, 96, 100, 192, 200 baud.
- Packet Radio 300 and 1200 baud (AX.25 Protocol)
- Facsimile (FAX) - AM & FM 60, 90, 120 & 240 LPM. Line or Gray (To Parallel Printer Port only)
- Russian Third Shift Cyrillic (Actual Cyrillic Characters Displayed (To Video Port only)
- Literal Mode This feature uses special symbols to represent normally non-printing characters. (To Video Port only)
- Databit Mode This feature converts the incoming datastream into zeros and ones.

PRICING

Configuration	List	Discount	Shipping	Stock
M-7000 Basic Unit	\$1149.00	\$999.00	\$10.00	#2436
M-7000 With Real Time Clock Option	\$1219.00	\$1089.00	\$10.00	#0534
M-7000 With Video FAX Option	\$1239.00	\$1129.00	\$10.00	#2458
M-7000 With Video FAX & Real Time Options	\$1299.00	\$1159.00	\$10.00	#1842

LIMITED WARRANTY

Standard Mfg. Warranty:	182 days
Optional Extend. Warranty To:	365 days
Order #0710	\$24.00

■ Specifications shown reflect v: 2 production.

Please contact us for full technical information on this exciting product.

☎ Phone your order to:

Toll Free: 800 431-3939

In Ohio: 614 866-4267

—FAX to: 614 866-2339

✉ Mail your order to:

Universal Radio

1280 Aida Drive

Reynoldsburg, OH 43068

* FULL CATALOG AVAILABLE *

Universal offers a comprehensive shortwave catalog covering all types of shortwave monitoring equipment and books.

Available for \$1 postpaid.



From the Executive Director

Chuck Rippel
1272 Parkside Place
Virginia Beach, VA 23454
COMPUSERV 72571,1046

One purpose of this column is to keep members in touch with events and news from NASWA and the hobby in general. This month, I'd like to share some of the mail I have received with you.

The first letter comes from Lin Robertson, KJ6EF. Lin resides in the San Diego area and sponsors a VHF SWL net on 144.48 simplex at 7:30 PM local time. They meet every other Tuesday and mention 7/4/89 and 7/18/89 as the next dates the meetings will take place. Lin has been an SWL/DX'er since 1965 and a NASWA member in the early 1980's. In his letter, Lin observed a rather astute point:

"There is a genuine need for bridge-building between Hams and SWL's, I sincerely hope that I can continue to do so. One of my big disappointments about hamming was the realization that the advertised scenario of being able to learn about other lands and cultures through direct conversation was a bit overrated. DX pileups prohibit anything more than an exchange of names, calls and, signal reports before the next guy in line drops in. As a matter of fact, I can say without reservation that if learning about the world around you is your goal, SWL'ing will serve you a great deal better! Alas, most people would rather talk than listen! This has, in my opinion, led to the fact that most SWL's are more informed and global-educated than most hams! Still, both have much to offer."

Lin sheds light on several issues. Speaking as a Ham myself, I would say that the SWL hobby is misunderstood by many in the Amateur Radio community. SWL's are seen by many Hams as simply those folks who couldn't pass the license tests. Where amateur radio operators possess great skills in relating to transmitting, many SWL's are equally skilled in the "art" of listening and certainly, patience. After all, when a SWL doesn't quite catch the ID of a station, he can't ask that station to repeat it!

Another letter received from member Charles Broyles in Pittsboro, N.C., expresses appreciation for the recent changes in the *FRENDX* Journal. Charles especially likes DX'ers Forum and the new Technical Topics. Charles uses a modified Icom R-70 and a Uniden CR-2021 for equipment. He especially appreciates space being made available for used equipment ads throughout *FRENDX*.

Charles, thank you for your comments. Equipment ads are free to all members on a space available basis.

Member Tony Kelts in Las Vegas, Nevada writes that he would like to know when NASWA will start selling "T Shirts." He has gotten one from KUSW, which looks exactly like their QSL card and would like one from NASWA.

Tony, as soon as the logo competition has been judged and the new logo picked, I'm sure we will start marketing "T Shirts" and perhaps, coffee mugs. Keep checking *FRENDX* for details.

Also last month, I received a letter from Sheldon Harvey, President of CIDX, the Canadian International DX Club. They are going to sponsor their first Annual Montreal Shortwave Radio Festival to be held July 22nd, 1989. I urge NASWA members to attend this event, if possible. This event should be fun for all judging from the success of "The Winter SWL Fest" held in Philadelphia, PA the last two Februarys. If you need any additional information, please feel free to write to Sheldon:

Sheldon Harvey
Canadian International DX Club
79 Kippis Street
Greenfield Park, Quebec
CANADA J4V 3B1

Tel: (514)-462-1459

Lastly, I hope that Log Report "A" Editor Bob Brown's recent surgery went well. With any luck, Bob will "be back in the saddle" soon, fly fishing to his hearts content and offering his talents to *FRENDX* and the NASWA membership.

That's it for July. Keep those cards and letters coming! The best way to contact me is through COMPUSERV. Both my COMPUSERV and mailing address are listed on the masthead above.

DX'ers Forum

*Dedicated to Furthering
the Art, Science and
Enjoyment of DX'ing*

Conducted by Rowland Archer, 5524 Hawthorne Park, Raleigh, NC 27613

July, 1989

Zambia continues to make the news in DX'ers Forum. This month brings two items via William Blight. John Amion Lungu is William's penpal from Kitwe, Zambia. John recently informed him that Radio Zambia has introduced a new channel, "Radio 4", as the first commercial FM stereo service. The shortwave news is that Radio Zambia International (Radio 3) may start beaming its programs to North America since the new transmitters have been installed. Secondly, the first DX club in Zambia is about to be formed in Lusaka. It's aim is to help teach other Zambians about the DX'ing hobby. Please keep us posted on developments here, William.

Andrew Yoder sent a sample copy of his new newsletter, **The Pirate Pages**. The edition received here was a single legal-sized page printed on one side. It will contain loggings and news of North American pirate broadcast activities, and be published every 2 to 4 weeks depending on the volume of information received. The cost is \$5 for 12 issues or \$9 for 24. You can order it from:

The Pirate Pages
3007R 4th Ave.
Beaver Falls, PA 15010

The 1989 revision of the **OZ DX/Fine Tuning Indonesian Survey** is now available from OZ DX. Originally published in 1988 by Fine Tuning alone, the 1989 edition is a collaboration with the Indo experts from Peter Bunn's OZ DX group in Australia. The Survey lists stations in frequency order, including transmitting power, location by town and province, and details of monitored schedules. Two maps show Indonesia's provinces and locations of major RRI stations. The guide will also be made available later this year from Fine Tuning in the US, but you can get it today from OZ DX for US\$ 5 or 8 IRC's surface, US \$7 or 11 IRC's airmail to anywhere in the world. Order from:

OZ DX
19 Jillian Avenue
Highett, VIC, 3190
AUSTRALIA

This month we have a surprising (to me at least!) update on the Greenland QSL story, with some unsettling forecasts for the future of shortwave broadcasting from that elusive DX / QSL catch; an update to the NASWA country list from Don Jensen; and a tip on hearing JJY, the Japanese time signal station.

800 Unanswered Letters

and the Future of Shortwave Broadcast in GREENLAND

by Stig Hartvig Nielsen

[Editor's Note: A couple of months ago I finally succeeded in QSL'ing Kalaallit Nunaata Radioa, or Radio Greenland. I knew a number of readers have been trying to QSL them too, so I wrote up my experience for the Forum. Little did I expect that DX'ers Forum article to spur an investigative journalism exercise in downtown Nuuk...]

May 13, 1989

Let me introduce myself..I'm 31 years old, a DX'er since 1971, and founder and chairman of the national DX club of Denmark "Dansk DX Lytter Klub." I'm also a long time member of NASWA and DSWCI (the Danish Short Wave Club International).

During the month of April I was in Nuuk (Godthab), the capital city of Greenland. I was working as a radio consultant for the newspaper Atuagagdliutit/Gronlandsposten ("A/G"), which is to start its own local commercial radio station

broadcasting to Nuuk. The station is scheduled to start operation in August or September of this year on FM, and will be known as "Radio Nuuk." Currently there is only one independent radio station on the air in Greenland and that's in S i s i m i u t (Holsteinsborg).

When I received my April issue of FRENDEX in Nuuk I was quite surprised to read the article about "QSL'ing Greenland." I showed the article to one of the Greenlandic journalists at A/G, and told her everything about shortwave, DX'ing, QSL'ing, etc. I suggested that she walk down the snow-covered main street of Nuuk to the radio house of KNR and ask Henrik Jorgensen why he didn't reply to the letters he had on his desk.

She did; and confronted with the fact that a large and highly respected American shortwave magazine had published a story about the 800 unanswered letters, Mr. Henrik Jorgensen blushed distinctly and exclaimed, "whatever you do, PLEASE do NOT write anything about that in the newspaper."

Henrik Jorgensen, now regaining his normal color of skin, was up for a new turn however. The journalist from A/G told him about the reception



Kalaallit Nunaata Radioa
Greenland Radio Radio Greenland
H.J.Rinkavej 35, P.O.Box 1007, DK 3900 Nuuk

DEAR LISTENER
Thank you very much for your reception report, dated _____, and just received. We can confirm that you have/have not been listening to RADIO GREENLAND on that very day and time mentioned in your report.

We greatly appreciate your interest in RADIO GREENLAND and we will be happy hearing from you again.

Thank you.

Radio Greenland

Stations: 140, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000

Stations: 140, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000

Kortbølge-kut tusarnaartartunut KNR-p immersugassas taama isikkoqarpoq.
Det er dette -QSL-kort- KNR skal udfylde og sende til radioamatørerne.

800 ubesvarede breve

Et amerikansk blad for kortbølgetytere fortæller, at KNR har 800 ubesvarede breve liggende fra entusiastiske radioamatører

(SS) Kalaallit Nunaata Radioa... Hvilket eksotisk navn for en radiostation! Sådan starter artiklen i et stort, anset amerikansk blad for kortbølgetytere.

»Frendx«. Bladet fortæller at radioamatører på den amerikanske søkyst, morgen efter morgen står tidligt op, for at opfange KNR's pausesignal »Hvalfangerbåden Sonja«. Når så lykken opnås, via KNR's kortbølgeender på 3999 kHz, sender disse entusiaster en såkaldt »lytterraport« til radiostationen, for at få bekræftelse på, at det virkelig er den station, man har aflyttet, den og dén dag på dét og dét tidspunkt.

Lytterraporterne besvares af radiostationerne, typisk med et såkaldt »QSL-kort«. KNR har et sådant, flot, »QSL-kort«, men som kun ganske få lyttere får at se, for »Frendx« skriver i sit april-nummer, at KNR har 800 ubesvarede lytterraporter liggende. Ansvaret for at besvare rapporterne ligger, af nærmere udefinerede årsager, hos radioforeningens. Aktuelt hedder han Henrik Jørgensen. Han siger til AG, at han overtog en papæske, fyldt med lytterraporter, da han blev ansat i 1987.

I »Frendx« fortæller det, at en vis John Bryant, i sin desperation, for at få et »QSL-kort«, ringede KNR op på telefonen.

»Den venlige Henrik Jørgensen spurgte mig, hvilken farve kuvert min lytterraport havde. For han havde 800 af slagsen liggende, sagde han. Men da min kuvert åbenbart lignede de andre 799, opgav han eftersigningen, men lovede at jeg ville få mit »QSL-kort« snarest, fortæller John Bryant i »Frendx«.

»På baggrund af Bryants fortælling sendte skribenten på bladet en lytterraport til KNR, i en kuvert, overklisteret med stærk gul tape. For at gøre den let genkendelig!

»Efter seks uger ringede jeg til Henrik Jørgensen. Først fik jeg historien om de 800 breve, men han fandt hurtigt min kuvert, og lovede at sende et »QSL« inden han gik hjem den dag. 10 dage efter modtog jeg en stor kuvert med bilde af radiostationen, »QSL-kort«, og en brochure om KNR, fortæller skribenten Rowland Acher.

Han opfordrer sine venner til at være kreative med deres kuverter, når de fra nu af sender deres lytterraporter til KNR.

»Men brug ikke den gule tape igen. Ellers kommer kuverterne jo bare til at ligne hinanden som før, skriver Archer.

Så nu kan KNR sikkert vente en række kuverter i alle regnbuens farver, i alle mulige størrelser o.s.v.)

Additions to the NASWA COUNTRY LIST

by Don Jensen, Chairman

NASWA Country List Committee

The NASWA Country List Committee announces the addition of two new countries to the list, reflecting new shortwave broadcasting activity. NASWA members are advised to make these additions to their lists:

Under ASIA

Andaman and Nicobar Islands (India)

and under OCEANIA

Tonga

And in the Gazetteer section, in appropriate alphabetical order:

Following Algeria...

Andaman and Nicobar Islands (India) Port Blair AS Part of India

and following Tibet (People's Republic of China)...

Tonga Nukuaaaa'alofa OC ----

report in the envelope with green electrician's tape [Ed: *that was mine!*]. Now he turned pale, but soon breathed a sigh of relief, when he came to think of the fact that he actually HAD replied to this letter...

The shortwave outlet on 3999 kHz is mainly intended for use by the fishing fleet on the east coast. There is hardly any use for SW among the "normal" listeners anymore, since all of the inhabited areas of Greenland are now covered by FM and MW. Recently Henrik Jorgensen carried out a survey among the fishermen about the quality of reception of KNR on 3999 kHz. The result was very discouraging. Everybody said they were not able to pick up KNR on 3999 kHz. Mr. Henrik Jorgensen is consequently about to recommend to his superiors the discontinuation of the shortwave operation from Nuuk. Instead he recommends the reestablishment of the MW transmitter near Ammassalik on the east coast of Greenland. This outlet was closed down on January 1, 1987.

Mr. Henrik Jorgensen is not worried about the possibilities for DX'ers to pick up KNR abroad. "They don't need shortwave either since they can

quite often hear us on medium wave -- especially in Northern Scandinavia."

I left Nuuk in the beginning of May and arrived here in Viborg. Today I learned that A/G printed the story about the 800 letters in their May 8th edition. Here is a translation into English:

(Caption under KNR QSL): *This is the "QSL-card" KNR must fill out and mail to the radio amateurs.*

800 Unanswered Letters

An American Magazine for shortwave listeners tells that KNR has 800 unanswered letters from enthusiastic radio amateurs.

(Stine Skifte) Kalaallit Nunaata Radioa...what an exotic name for a radio station. That's the way the article in a large well-respected American magazine for shortwave listeners "FRIENDX" begins. The magazine explains that radio amateurs on the American East Coast rise early, morning after morning, in order to pick up the interval signal "Sonja Dragging the Whale." When

they finally succeed in hearing KNR's shortwave transmitter on 3999 kHz, these enthusiasts mail a so-called "reception report" to the radio station, in order to get a confirmation of the fact that it was actually this station they had been listening to on that specific day and at that specific time.

The reception reports are replied to by the radio stations, typically with a so-called "QSL-card." KNR has a fine "QSL-card", but only a few listeners get to see it, because KNR has 800 unanswered letters, informs FRENEX in its April edition. The responsibility for replying to the reports is - for whatever reason - in the hands of the "broadcasting-engineer." Currently his name is Henrik Jorgensen. He says to A/G that when he was appointed to the job in 1987, he took over a box full of reception reports.

In FRENEX it is told that John Bryant in his desperation to get a QSL-card phoned KNR. The kind Henrik Jorgensen asked me, what color was the envelope containing my reception report, because he had 800 of them in his office. But as my envelope looked the same as the other 799, the search was called off; however he promised

that I would get my "QSL-card" at the soonest, John Bryant says in FRENEX.

In light of Bryant's story the editor from the magazine mailed a reception report to KNR in an envelope plastered all over with bright yellow tape, to make it easily recognizable! [*Ed: in the interest of journalistic accuracy, it was a yellow envelope with green tape!*]. About 6 weeks later I called Henrik Jorgensen. First I got the same story about the 800 letters, but he quickly found my envelope, and promised to send me a "QSL" before leaving the office that day. Ten days later I received a large envelope containing a photo of the radio station, "QSL-card" and a brochure about KNR, says editor Rowland Archer.

He encouraged his friends to be creative when sending their reception reports to KNR from now on. But don't use the yellow tape again, or else all the envelopes will look alike, just as before, writes Archer. So now KNR is likely to receive envelopes in all colors of the rainbow, and in all thinkable sizes!

[End of A/G Story Translation]

How I Heard Time Signal Station JJY

by William Blight

It was three days after I quit work to return to college that I heard time station JJY in Tokyo, Japan. I woke up on the 23rd of January, 1988, to do a little DX'ing. I turned to 15000 kHz to hear the latest propagation outlook from WWV. I became very suspicious when I heard time "pips" instead of "ticks." When I heard the morse code ID and the female voice ID of BSF, I could'a screamed with joy. Since everyone in the house was asleep, that wouldn't have been a very good idea! I then started the tape rolling for my BSF reception report.

After concluding the recording for the BSF reception report, it then occurred to me that, if BSF was coming in real strong, there might be an "opening" to Asia that would also let me hear JJY on 8000 kHz, which had been one of my long time DX goals. I tuned to 8000 kHz, and it was there, sure enough. I started the tape rolling for my JJY reception report.

Since that time, I have heard BSF quite a few times. I have not heard JJY at all since then. It took about 20 days for the QSL's to come from both stations, and they are now placed in my QSL card album.

To conclude, even though the shortwave bands are overcrowded, the DX is still out there; GO FOR IT!

• • •

Nice going, William, that's the kind of "putting 1 and 1 together and getting 3" that leads to exciting DX catches. I think the time signal stations are another one of the those underutilized categories of DX'ing. A number of them can really help in going after the NASWA QRP (low power) awards. It's a little tricky to get reliable information on how/when to hear and ID them; any one out there with the Master Time Station award care to write a Forum article on Hearing the Time Stations of the World?

A friend of mine - a longtime DX'er and radio amateur - is in Nuuk right now working for KNR. He says that previously (according to his information) Henrik Jorgensen did reply to all reception reports. When up there in Greenland he will have a chat with Henrik Jorgensen about it.

May 22, 1989

Further to my story dated May 13th, another article appeared in A/G last Wednesday in the edition #53. The story about the 800 unanswered letters is certainly making the headlines in Greenland these days. Here's a translation:

800 Letters ???

The broadcasting-engineer of KNR has a lot of other things to do besides answering mail from shortwave listeners.

Henrik Jorgensen points out in a reply to the alleged 800 unanswered letters from shortwave listeners all over the world, that he is employed as a broadcasting-engineer, and as such, he has plenty of other things to deal with, besides answering mail from enthusiastic radio amateurs.

"As a reply to your article, I would like to stress, that I am employed as broadcasting engineer at KNR, so I have a lot of other things to do, besides replying to letters from enthusiasts. As of April 1st a part-time secretary was hired to my disposal - for the first time since I was employed in the middle of 1986. This means that all listeners mail from 1989 now has been replied to," writes Henrik Jorgensen in a letter to A/G.

"QSL-Card"

Henrik Jorgensen writes that - as described in the article in A/G no. 50 of May 8th - that KNR has printed a so-called "QSL-card," which the radio station fills out and mails to radio amateurs in light of their letters. In addition, KNR has printed a booklet in 4 languages describing the routines at KNR. This booklet is sent out at the request of foreign institutions and private persons, writes the broadcasting engineer.

"Own Account"

Kalaallit Nunaata Radioa, KNR, receives 150-200 letters per year from abroad. Many of the letters come from people writing in many times. There are about 120 serious letters per year - and they are all being replied to - so the 800 letters must be on John Bryant's own account, writes broadcasting engineer Henrik Jorgensen. John

Bryant is one of those, who in the April edition of the American shortwave listener's magazine "FRENEX", wrote that he was informed by phoning Henrik Jorgensen about the 800 unanswered letters at KNR.

[End of Article translated from A/G]

I have now been informed from Greenland, that it is certain that 3999 will be closed down, and that it will take place on January 1 [Ed: presumably 1990]. The information I have says, that there will be NO new medium wave transmitter at Ammassalik, as originally proposed. This sounds absolutely weird to me, since this will leave the fishing fleet in the Strait between Iceland and Greenland without any radio service from Greenland... Really, they should take a look at what Rikisutvarpid in Iceland is doing for the fishermen!

That's all for now, but I'll probably be back with more news on the fascinating story of the 800 unanswered letters and the future of shortwave broadcasting in Greenland.

• • •

Thanks for sending in this story, Stig, and please feel free to write for the Forum in the future. I was aghast to read that my April story had caused embarrassment to Mr. Jorgensen. It was certainly not my intention to "expose" him in any way. I, along with most QSL'ers, are fully aware that reception reports are not usually sought by regional broadcasters like KNR. A QSL, no matter how strongly desired, is strictly an optional gesture of courtesy from the station. I will write a letter to A/G via Stig Nielsen, copying Mr. Jorgensen at KNR, explaining this and apologizing for any unintended repercussions. On the plus side, I'm glad that the attention to this has resulted in getting Mr. Jorgensen some much-needed clerical assistance, not to mention some QSL's for a number of DX'ers who have been waiting a long while. In my letter, I will also express concern about the plans to shut down 3999 kHz. If you feel likewise about the shutdown, I suggest you write to KNR in Nuuk, politely and clearly explaining your view.

Next month: A report on DX'ing from inside Brazil. During a recent trip to Rio de Janeiro, Brasilia, Iguassu Falls, and Sao Paulo, I managed to squeeze in a few hours behind the dials, in between business matters and sightseeing. I'll include a survey of Brazilians heard and not heard, and tell you which stations relay the mandatory Radio Nacional "Voz do Brasil" program and which don't. In addition, I'll describe my "DX Shack in a Carry-on Bag" ...don't leave home without it! Until then, best of 73's JDX.



Easy Listening

Editor: Alex Batman, 300 Hill St., Apt. 6, Boone, NC 28607

SUNDAY

- 1030-1050 Try to Remember (Radio Australia). A review of the songs of yesteryear over Radio Australia's 50 year broadcast history. As of present writing (June 8, 1989), the program is up to playing songs from the year 1961 (but with a sort of horror of the rock hits of these years that I find hard to understand) and will continue up until the end of the year when it reaches 1989. (9.580). Excellent program.
- 0115-0130 Religion and Society (Deutsche Welle). A review of the news stories concerning the world's major religions. Past programs have featured the return of religious freedom to the Soviet Union, a persecuted Moslem sect who have sought refugee in West Germany, and the Pope's visit to Africa. (6.040. Repeated at 0315 on 15.205 and at 0515 on 6.120/6.130).

MONDAY

- 0145-0200 Europe's World (BBC). A program devoted to pan-European issues. Past programs have featured prisons in Europe, elections to the European Parliament, and British Foot-dragging on pan-European educational reform. Good program. (5.975/15.260).
- 0155-0200 Tokyo Pop-Inn (Radio Japan). Just recently moved from its traditional 0125 time slot, this program plays a different Japanese pop or rock song each day of the week. Sometimes, but rarely, includes information about the pop culture scene in Japan, such as the Japanese craze for inhaling pure oxygen. (5.960).

TUESDAY

- 1230-1245 Unsung Heroes and Heroines of Australia (Radio Australia). This program is based on a book by the same name and each week interviews (if still living) some Australian whose contribution to the Australian society is not widely known. Past programs have featured a life-guard who has rescued several people, a medical researcher, and Australian constable of the 19th century, and a woman who ran an orphaned girls' home in Tasmania. Can be very interesting. (9.580).
- 0130a-01445a Economic Notebook (Deutsche Welle). Feature on economic issues in Germany. Past programs have featured the scrapping of West Germany's nuclear reprocessing plant, and analysis of the overheating of the Germany economy using the machine building industry as an indicator, and commodities trading in West recently, and I don't know why. I find economics as dry as dust. But as economics programs go, this one is pretty good. (6.040 Repeated at 0330 on 15.205 and at 0530 on 6.120/6.130).

WEDNESDAY

- 0230-0300 Assignment (BBC). Each week a BBC report files a report from an overseas location. Past programs have featured reports on the civil war in Angola (told one week from the government side and the next week from the UNITA side), a report on the refugee camps along the Thai border (and the infiltration of the Khmer Rouge) and a feature on the rising murder rate in Washington and its causes and effects. (5.975/15.260). Excellent program.

- 0330a-0335a The Press on Africa (Radio France International). A review of the press's comments on Africa during the preceding week, largely gleaned from the French press such as *Le Monde*, *La Figaro*, *Gens Afrique*, etc., but also include foreign periodicals—such as *Newsweek* or the London-based *Africa News File*—when appropriate. Good insights into Africa's current events. (7.280)

THURSDAY

- 2120-2130 Panorama of Progress (All India Radio). This program has been difficult to hear in recent weeks, but when I was listening to it in March and April the program featured stories indicating the modernization and industrialization of India. Past programs featured the book publishing industry in India (and its growth) as well as the automobile industry. Rather dull and often too difficult to hear (11.620).
- 2230-2250 Focus (Radio Polonia). This program has also been difficult if not impossible to hear in recent weeks. When I did hear it clearly, it was a program devoted to the arts in Poland—literature, painting, music, etc.—usually including two or three features per segment. (7.270).

FRIDAY

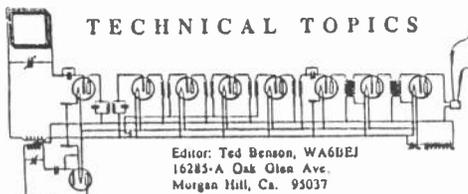
- 0135-0155 Mailbag (Radio Prague). Not quite a typical mailbag show. Although many editions of the program are devoted to doing little more than reading listeners' mail and responding to it, an occasional program follows up a question in some detail and devotes the whole episode to answering one question. These features can be rather interesting depending on the question itself. Two I remember off the top of my head are: a feature on the glass industry in Czechoslovakia; and a feature on prisons in the Country. (5.930/7.345/11.990. Repeated at 0335 on the same frequencies).
- 0330-0400 The Vintage Chart Show (BBC). Each week the program looks back at the British pop charts for some year preceding this one. Past shows have featured 1957, 1963, 1975 and even as recently as 1980. Jimmy Saville, who hosts the program, has a nice, folksy, easy-going way about him. (5.975/15.260).

SATURDAY

- 2130-2200 Weekend Magazine (VOA). A half-hour of segmented features on the American social, political, economic, artistic, and medical scene. Past programs have included segments on the "greying" of America, the success of American films at Cannes, a celebration of Duke Ellington's 100th birthday, the anniversary of Washington's inauguration as the first President, and an experimental drug that may help solve the AIDS crisis. (11.760/9.760/15.410/17.800).
- 0330a-0335 Focus on France (Radio France International). Although officially scheduled every Saturday, sometimes this program simply fails to appear. Theoretically the focus is on the French political scene and past programs have featured France's stance in the NATO alliance and elections in France for the European Parliament. (7.280).

FOR SALE: Collins R-388 in excellent condition. Comes with manuals, covers, original mahogany alignment tools, cabinet, two spares for each tube position, and an R-388 spare parts chassis. With these spares, this gold-anodized wonder could run indefinitely. Recently aligned and fully restored. Price \$350.00, purchaser pays shipping. Lin Robertson, 1038 Turquoise #9, San Diego, CA 92109. Phone (619) 488-3226.

FOR SALE: Realistic DX-302. Seven years old, but in excellent condition. Not a DX machine, but would make a good backup radio. Asking \$75.00. Tom Laskowski, 1334 E. Miner St, South Bend, IN 46617.



"CURRENT" AFFAIRS - A VISIT WITH NIKOLA TESLA

The other day my son came home from school, fresh on the heels of a field trip to the local science museum. He plously informed me that Thomas Edison invented the electrical current we use today. My reaction suprised him a bit - but then I always get irate when schools teach half-truths. While it is true that Thomas Edison gave us the Incandescent lamp, he did not give us the 60Hz AC current we use today .

Late in the nineteenth century it was firmly believed that it was commercially impossible to generate useable quantities of AC, or alternating current. The use of carbon brushes and commutators, similar to those used to generate direct current (DC), caused arcing and erratic operation when used to generate AC. To make matters worse, very few people could see any value in AC current. Nikola Tesla did not belong to this crowd. While most people first identified a need, and then a way to satisfy the need, Tesla did things a little differently. He solved what most considered abstract problems for pleasure, and in the process identified practical applications. So it was with alternating current. It is said that while walking and discussing poetry with a friend, he suddenly froze, and then began madly talking and drawing figures in the dirt. It seemed that a passage in the poetry about the sun revolving around the earth (it was an old poem) gave him the answer to AC generation. More on this later...

Because Tesla's ideas were so abstract, and so far ahead of their time, the commercial world was slow to accept them. Tesla worked for a time with Thomas Edison - a man who would become his arch nemesis. When presented with Tesla's ideas about AC, Edison rejected them without further discussion - and for very good reasons. Aside from Edison's absolute dislike of University theoreticians, Tesla's AC would render Edison's nationwide network of DC generating plants obsolete overnight. Within a year of joining Edison, Tesla left to enjoy the backing of Westinghouse, a man of vision who saw the value in Tesla's "wierd" ideas.

A LITTLE THEORY

Direct current is generated by rotating a coil of wire (an armature) within another, stationary coil of wire (the field). A small DC potential (from a battery, for example) applied to the field coil causes the coil to emit a magnetic field around it. By spinning the armature around within the field, a large electrical potential is induced in the armature. The potential is removed through metal strips (collectively called the commutator) at one end of the armature, which are loosely touched by carbon rods ("brushes"). The brushes are arranged so that each maintains the same polarity at all times. Since the contact was never perfect, some arcing always occurred where the commutator met the brushes. The amount of voltage obtained from this arrangement was not very high. The higher the voltage you obtained, the higher the current flowing through the system, and the more things heated up. Why? Because current flowing through resistance gives off heat. Increasing the current demand from the carbon brushes meant that they got hot enough to disintegrate. And there is resistance in the wires carrying the current away, as well. The result is that DC current in the Edison Electric Company's grid was sent over short distances at low voltages - typically 100 volts. Every foot of wire in the transmission line lowered the voltage ultimately delivered to the customer. Generating plants were literally located every mile apart! Even so, if you were at the end of a transmission line, your lights glowed less brightly than if you were near the plant. Electrical motors were equally bad. Since a motor is like a generator rewired, DC motors of larger horsepowers heated up, and spat and sputtered at the commutators. Because they were inefficient, DC motors were also very large and costly for their meager capabilities.

Tesla reversed things in his generator. Instead of the magnetic field coming from the field coil, it was generated in the rotating armature (now called a rotor), causing a rotating magnetic field. The field induced a potential in the old field coil (now called the stator) - except that now the field reversed itself once each time the rotor revolved. The current alternated ("alternating current") between two polarities when the rotor spun. So how was this an improvement? In traditional attempts to generate AC, the old DC generator was used, but the commutator and brushes were arranged to reverse the current as the armature spun. The problems came when the end of one strip was reached, and the next strip of opposite polarity was encountered. To avoid short circuiting the generator a gap was left between strips. This led to a momentary loss of voltage when hitting the gap, and then a surge of voltage in the opposite direction when the next strip was contacted. Poor contact combined with high surge currents caused intolerable arcing and heating.

In Tesla's generator, a DC voltage was delivered to the rotor through continuous rings ("slip rings"). Because the rings were continuous, better contact between rings and brushes was possible, and there were no gaps to deal with. The periodic reversing of the generator's output polarity was caused by the magnetic field rotating around the stator. On one side of the rotor the windings were wound in one direction; on the other side they were wound in the opposite direction. The magnetic field on one side of the rotor was therefore opposite to that of the other side, and the voltage induced in the stator by one side of the rotor was opposite in polarity to the voltage induced by the other side of the rotor.

POWER THROUGH KNOWLEDGE

What was so hot about AC? Electrical work, whether lighting a lamp or running a motor, takes power, and is equal to the product of voltage times current ($P = E \times I$). It doesn't matter whether the power comes from a high current and low voltage, or a high voltage and a low current. The power from 100 amps at 10 volts is the same as the power from 100 volts at 10 amps - with one essential difference. The ten amps will heat the wires used to carry it far less than the 100 amps would (in this case 1/100th as much.) The heat in the wire represents voltage lost through resistance, so the wires carrying the 100 amps at 10 volts would lose 100 times more voltage than the wires carrying the 100 volts at ten amps. So sending electricity at very high voltages, and then stepping it down at the user's end, was much more efficient than sending 100 volts of DC at high current levels over large distances. Recall that high voltages were impossible to obtain from DC generators. As we have just seen, though, it was possible from AC generators. Westinghouse allowed Tesla to perfect the new generator - now called an "alternator". The result was a unit much smaller - and cheaper - for a given power rating, and the ability to send this power over long distances, resulting in still another cost reduction. You can see why Edison boiled at the thought of Tesla... The first hydroelectric plant was built by Tesla at Niagra Falls, New York, around the turn of the century. All efforts by Edison to discredit AC current, including electrocuting horses with AC at state fairs, failed to stop the success of AC. It did, however, give us the electric chair, and a new term in our vocabulary. When someone died by electrocution they were said to have been "Westinghoused." Overlooking this gruesome side of AC you can see why I get so irritated when someone says that Edison gave us our electricity.

BUT WAIT - THERE'S MORE...

Tesla's marvelous discoveries didn't end with electrical power. If they had, I wouldn't be taking up space in a shortwave newsletter to tell you about him. In fact, Tesla considered his accomplishment with AC current secondary to his real interests.

GOOD VIBRATIONS

Tesla discovered the tendency of electrical circuits to absorb AC energy at particular frequencies. These so-called resonant circuits formed the core of Tesla's research, which is fortunate for us. Imagine trying to pick out a single shortwave station from hundreds of overlapping signals. This very real situation existed prior to Tesla's tuned circuits. By

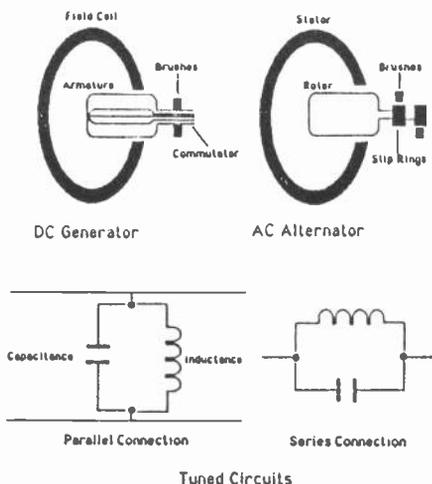
performing the first basic research into resonance, Tesla literally laid the groundwork for our modern radio and television. In the 1940s the United States Supreme Court ruled that Tesla, not Marconi, invented radio! Oh, what they don't tell you in school...

TUNED IN

The tuned circuit, critical to our hobby, was perfected by Tesla to an incredible degree. Although in his day radio was considered anything below 500 KHz, the principles he discovered are valid all the way from DC to daylight. In fact, they apply to all materials, not just electrical circuits. With his resonant systems, Tesla was able to generate lightning bolts 200 feet long, and nearly shake apart buildings. Distilled down, Tesla discovered the laws governing what we now call a "tank circuit." You will find such circuits in the antenna, the front end, the I.F., and even in some audio circuits of your shortwave receiver. They consist of a capacitance and an inductance, with one or both often variable. When AC energy at most frequencies encounters the tuned circuit, the energy flows right through it, as if it weren't there at all. But when AC at one particular frequency enters the tuned circuits, magic occurs. First, the energy causes the inductance to build up a magnetic field. Then the AC reverses its polarity - but not instantly. First it drops to zero. During this time the field in the inductor begins to collapse. As it does, it induces a voltage in the inductor opposite in polarity to the original voltage. This new induced voltage charges the capacitance in the circuit. When the inductance's field has totally collapsed, the capacitor begins to discharge back through the inductor, causing another field to build up. This goes on and on, back and forth. And except for internal resistance, which burns off some of the voltage, this cycle would continue forever. Once started, the cycle takes almost no additional energy from the outside, except enough to replace that lost by resistance.

How is this useful to the shortwave listener? By placing an adjustable tuned circuit in parallel with your antenna, or in the I.F., your receiver is able to short circuit all signals to ground - except for the one frequency you wish to hear. Are you bothered by interference from a particular station? Place a tuned circuit, tuned for that station's frequency, in series with the antenna. It will allow all signals to pass through it, except the offending frequency, which it will block.

To those of you who dislike history or theory, I apologize for taking up your time with the preceding column. In the case of Tesla, though, I think a little recognition from us is in order. And for those interested in learning more about Tesla, several marvelous books are available from Lindsay Publications, P.O. Box 12, Bradley, Ill. 60915-0012.



FRENDX PORTRAITS

a look at the members of NASWA

edited by Tom McElvy - P.O. Box 9645 - Norfolk, VA 23505-0645

E-Mail on ANARC BBS - ODDX BBS - PC-LINK (TomM77)

Well, here it is. July. The grass needs mowing. The house needs painting. And another column is due! My how time flies when you are having fun! Sorry about not having a column last month, but things have been real hectic around here, with one of my children in the hospital for almost a month. He is home now, and to those of you who called with concern, many thanks!

This month we hear from the editor of our *DXtra* publication, **Bob Hill**.

"I began SWBC DXing in 1952 in my home of Cohasset, Mass., using an ancient radio of uncertain ancestry that covered mediumwave through 4 MHz. (One of the first stations I logged was Radio Jamaica on 3360). From there I graduated to an equally venerable Philco that tuned all the way up to 20 MHz. Then it was a National NC-125. Since then I've had a whole series of Hammarlund HQ models, R-390s and R-390A's. Last December I bought a Kenwood R-5000, replacing the modified R-1000 that had served me so faithfully for the previous eight-plus years.

Signal processing equipment includes an old Radio West preamp, a QF1A audio filter and a MFJ antenna tuner. My antenna is a kinky wire antenna that snakes under, over and around power

lines, cable TV lines, power lines and God only knows what other kinds of lines, as well as through innumerable tree branches. It's about 200 feet long and averages 15 feet off the ground. (One thing I've never been blessed with is the kind of QTH that would enable me to put up a decent SWBC antenna).

I have DXed mainly from New Hampshire and the Washington, D.C., San Francisco and Boston areas, with gaps of many years when I was either only hamming (W1ARR since 1954) or not active in radio at all. My main interests are South and Southeast Asia, the Middle East

and Africa. I particularly enjoy the propagation and language aspects of the hobby. Since I've never had any interest in QSLs, it isn't surprising that my C/V total is four ---out of 229 heard. (It used to be six, but I lost a couple of cards somewhere along the way.)

My SWBC editing career goes back to 1955, when I took over the Eastern Section of the Universalite, the monthly organ of the long-since-defunct Universal Radio DX Club. In 1967, I was the contest editor for NASWA; in 1974-76, I edited "Log Report" Section A (which covered 2300 to 6200 kHz back then); and in January 1987, I took over *Update* and renamed it *DXtra*.

A new editor was named last month for *LISTENERS NOTEBOOK*, Bruce MacGibbon. As you may know, Bruce succeeded Glen Hauser, who served as editor of the column for many years. *Glen has always done a fine job with the column, and has made many fine contributions to both NASWA and the SWL hobby.* Take a moment to drop Glen a note, and express your thanks to him for a job well done.

--Tom

My vocation is marketing communications writer, a function I currently perform for Interactive Images, a small (but explosively growing) software company that sells a software development tool for building PC-based graphical interfaces to host systems.

Although it's hard to deny that many of today's SWBC trends -- notably relentless power escalation, disappearance of small stations and overabundance of gospel hucksters--give one very little to cheer about, there's still plenty of good DX to be had. And it's still a fascinating hobby!"

Indeed it is, Bob. And many thanks for the letter! From West Senica, New York, we hear from **Jerry Klinck**:

"I began DXing at the age of 17 when I put together a \$25 Knight-Kit receiver, the 'Span-Master.' I was amazed at my first two loggings - the BBS and Radio Moscow. Over the next seven years my progression of receivers included a Hallicrafters S-107, a Hammarlund HQ-100 and a HQ-180A, which was a great receiver. My tally in 1967, when I ceased DXing, was HIC-138; VIC-118.

Reasons for stopping included marriage and children, purchasing an older home which needed extensive remodeling (which I did myself), joining a volunteer fire company, working two jobs, many other interests, etc. However, I thought about DXing many times and knew that someday I would be back. Now, I am

divorced, kids are grown, life has slowed down a bit, and it seemed the time was right. So, in February, I took the plunge (with some helpful advice from old-time associate Don Jensen) and purchased a Kenwood R-5000 which I am now running with a MFJ-959B tuner. I am using two 75 foot longwire antennas as well as the 'Skywire' dipole antenna. My current tally since February is HIC-66, VIC-20, but my VIC totals should pick up since I am now using some tips from the NASWA bulletin and Don.

The biggest changes I see in the hobby are the increased cost and difficulty in obtaining QSLs and the more moderate tone of programs from the Communist Bloc stations.



Jerry Klinck

I plan on reporting to both the QSL and Log Report columns, although summer activities will curtail DXing somewhat. Having run a SW DX club myself (ASWLC with C.M. Stanbury in the

early sixties), I know how important support is.

Well, basically, that is me! I am enjoying my return to DXing and probably will not leave it again.

Many thanks to both gentlemen for writing. And why haven't YOU written yet...?

73 and good DX until next month!

Computer Corner

ANARC BBS HAS A NEW NUMBER!

(913) 345-1978

Kirk has moved back to Kansas, and the board should be back on-line by the time you read this notice!

Be sure to call for the latest DX tips!

Radio Interference From Your Computer

by Timothy Hickman

The problem often encountered in using computers in DXing is the RFI radio frequency interference caused by these computers. How can this be since the Federal Communications Commission has some pretty good regulations concerning RFI from computers sold for home use (class B)? Why then are so many computers noisy?

One reason is that many older computers were sold before the FCC cracked down on computer manufactures. Another reason according to the computer press is that some companies used methods of construction of their sample system sent to the FCC that where either done especially for the FCC sample or done knowing the would fail in real use. Finally if you have a newer computer system that is noisy it might be the result of either something you did or something you failed to do.

What might you have done wrong? When you added that cable on the back or put the case back together last time it was open did you tighten the screws tight? Loose screws can make for a noisy system.

Are you using an unshielded cable from the system to a peripheral? My wife's computer on the other side of the room from my Kenwood R-5000 suddenly started to wipe out the 19 and 25 meter bands. I had just added a cable to extend the monitor further from the system which I made without a ground shield. Remaking the cable so it had a good shield helped a lot.

The first step in trying to clean up a noisy computer is to isolate the source of the problem. The following is a suggested trouble shooting procedure.

1 Turn on your radio and computer. Tune your radio to a frequency that you are experiencing computer generated interference.

2 Remove the antenna from your radio. If the noise continues you have noise coming through the power line. To reduce this type of interference try wrapping the power line cord of the computer through a Snap-On Choke. These Snap-On Chokes are available from a variety of sources including Radio Shack (273-104) for 2 for \$6.95. You can also try a power line noise filter or a power strip with a noise filter in it.

3 If the interference is only present with the antenna installed, as is usually the case, then the interference is being transmitted.

4 Try repositioning the radio and/or the computer, and try repositioning the antenna leads.

5 Turn off the Monitor, printer, or other peripherals to determine if they are the source.

6 Remove the cables from the CPU. The keyboard, monitor, printer, or modem cable may be the antenna by which the computer is transmitting.

If you find that a peripheral or its cable is the source of the interference:

Make sure the cable is screwed down tight with a good ground connection.

Try replacing a flat ribbon or other unshielded cable with a shielded one.

Try a few turns on the snap on choke with the power cord or the peripheral's cable. Keep the choke close to the source of the noise.

7 If the noise seems to be emanating from the CPU, monitor or printer tighten the screws on its cabinet. This is a easy and often successful fix.

8 If your CPU is a dual speed model try changing speed. You may find one speed creates a lot more interference than another.

If you reduce or eliminate the noise be sure to check other frequencies. After you reduce a strong source of interference you might find other less strong interference problems that you want track down and reduce.

Good hunting.

IT'S BACK!! YES!! **BLANDH**, the summer DH bulletin parody is back with an all-new fourth edition! It's the DH tradition that cures the summer DH doldrums. As readers of past editions put it: "Really enjoyed it." "Loved the whole thing!" "Won't miss it for anything!" "Deliciously low standards". "A lot of fun." **BLANDH** is the only publication of any kind which I am moving in its entirety when we move..." "Outright ridiculous lies and false statements." "Quite funny!" "Look forward to the current issue." Available for \$2.00 postpaid in North America, \$3.00 or 8 IRCs elsewhere from: Don Moore; c/o I.E.P. Bishop 3000; Ferris State University; Big Rapids, Michigan, 49307, USA. Checks payable to Don Moore.

=====

DR. DX RETURNS (AND THEN DEPARTS)

=====

Dr. DX is delighted and delirious about being back. Dr. DX has been detained during the last few months and he has not had time to describe in detail his dealings in FRENEX. "What have you been doing, Dr. DX?" Dr. DX's friends decry. Well, Dr. DX has been dorking around desiring to discover his displaced and disappeared brother, Dakota DX. Dad DX told Dr. DX that Dr. DX and Dakota DX were separated when the dingo dogs came the last time. Nobody knew where Dakota DX was but Dad DX diddled with the idea he had departed to Djibouti to deal in radio. Dr. DX got a distant lead on Dakota DX and dealt passage on the AMTRAK to discover him, but after a lot of delays all Dr. DX found was dirty restrooms and a daguerreotype of a den of dingos donning a derby. While Dr. DX was detained on the train he was delivered a letter from a demented shortwaver who displayed the digit to Dr. DX because he had determined that shortwave is not destined to be funny and Dr. DX was dealing out too much fun for such a serious subject. That definitely got Dr. DX thinking. Dr. DX has not determined if he is right but Dr. DX does know that he has lots to decide with this Dakota DX deal. So Dr. DX has decided to discontinue his FRENEX column for awhile and depart with Daisy the DX dog to try to determine the direction of Dakota DX's whereabouts. Dr. DX has decided to detrain at any shortwave stations he dings into along the direction he is going, so decidedly Dr. DX will deliver a FRENEX article detailing dashes of his adventures while dealing with the Dakota DX quest. Dr. DX will think about all that and get back to you later, perhaps from Denmark or Deutschland or Dorchester or Pittsburg or some other exotic place.

FRENEX ON TAPE

The Editorial Committee is considering putting the major FRENEX articles on cassette tape each month. This 60 minute tape will be produced by a professional news broadcaster and should not only be valuable to the visually impaired but also to the busy "tied-up-in-traffic-with-nothing-to-do" NASWA member. We really have no idea how many people might be interested in this service and need some indication before we move forward. If you are interested, please drop a postcard to either Chuck Rippel, Executive Director, or Bill Oliver at headquarters. Thanks.

Dr. Harold Cones, for the Editorial Committee

the page

COMMITTEE TO PRESERVE RADIO VERIFICATIONS

JERRY BERG, Chairperson • 38 Eastern Ave. • Lexington, MA 02173 • (617) 861-8481

Gentlemen:
I want to express my appreciation with this APPLAUSE CARD, of the Program received from your station on Nov. 9th.
I wish to especially commend the following:

DICTOGRAND

Price \$24.50
No other features required
Copyright © 1957 Dictograph Products Corporation, 100 East 1st St.

"I Gathered a Rose"
Maria Gertrude Healy
Marie E. Delaney
Address: *78 Colburn Plg.*
Buffalo, N.Y.

Something different this month--Applause Cards, from the early days of MW broadcasting. Applause cards were like reception reports from program listeners, courtesy cards that listeners sent to stations to tell them they enjoyed the program. These cards were sent to WBZ in Boston, the top one in 1924, the others in 1925. The top card was printed by loud speaker manufacturer Dictograph Products Corp. The second card bears the printed name and address of the sender in Cortland, New York. The third is a generic card, and the last was supplied by High Class Radio Printing in Holyoke, Mass. A comeback for these among program listeners in the 90's, perhaps? +++ The goal of the Committee to Preserve Radio Verifications is to prevent the loss or destruction of QSL's after their owners have passed away or left the hobby. We have saved roughly 15,000 QSL's, which are kept at WCSN headquarters in Boston. CPRV is interested in hearing from anyone who has, or knows of, QSL's that are in need of a new home. Send a large sized SASE to the committee chairman for a copy of our brochure. See you next time.

APPLAUSE CARD

BROADCASTING STATION WBZ City Boston
State Mass. On Sunday Nov 2 1924 at 11:30 P.M.
I heard your station broadcasting the following: Mrs. G. Healy and Daughter Marie Gertrude Healy singing period. Enjoyed the singing very much. Congratulations. Hoping we may be favored with their singing again in the future. Respectfully, Condit Done.
My set is home made 1 tube regenerative. Aerial: 78 ft. long. 18 to 21 ft. high. Emerett J. Done, Route No. 8, Cortland, N. Y.

Manchester, N. H., March 8, 1925
Radio Broadcasting Station WBZ
Allow me to express my sincere appreciation for the very enjoyable programs being broadcasted from your station.
I especially enjoyed Maria J. Healy's songs. Her Manchester friends would very much like to see you come through frequently.
Signed Dr. F. P. Pemberton
Address 527 Hanover St.

I LIKED IT! THANK YOU!

Date March 8/25
Radio Broadcasting Station WBZ
This is to let you know that I am enjoying your splendid programs. I especially enjoyed Mrs. Healy's programs and singing. Paul Miller included.
Allow me to thank you and those who contribute to your entertainments for your efficient and highly enjoyable broadcasting.
Signed Mrs. Estelle E. Reilly
Address 400 North Main St.
Springfield Mass.

High Class Radio
George Larnay
Holyoke, Mass.

High Class Radio Printing
Alden Press
Holyoke, Mass.

A Committee of the Association of North American Radio Clubs



NUMERO UNO

SWBC weekly since 1969

NEWS ITEM

For release upon receipt

1989 NORTH AMERICAN DX CHAMPIONSHIP WINNERS ANNOUNCED

Log scoring of entries in the 1989 North American DX Championships has been completed. The contest *this* year was designed primarily as a DX contest, with restricted time (two weeks) and frequencies (2.000 MHz - 6.000 MHz). We are pleased to announce that the winner of the 1989 NADXC is James Young of Wrightwood, CA. Young's winning entry totaled 925 points, computed from reception of 337 stations in 123 countries (using the country list of North American Shortwave Association).

Second place, with 537 points, went to Don Hosmer of Dearborn, MI. The third place finisher (511 points) was Charlie Hoffman of Lancaster, PA. The three top winners will receive trophies provided by Numero Uno and a current shortwave publication from Universal Shortwave in Reynoldsburg, Ohio. They and the next 17 finishers will receive certificates recognizing their participation in this year's contest.

The top 20, in order of finish:

1. Jim Young, Wrightwood, CA
2. Don Hosmer, Dearborn, MI
3. Charlie Hoffman, Lancaster, PA
4. Dave Valko, Dunlo, PA
5. Rich D'Angelo, Wyomissing, PA
6. Errol Urbelis, Kings Park, NY
7. Joe Howell, Escondido, CA
8. Roger Morby, Londonderry, NH
9. Steven Lare, Holland, MI
10. Bob Brown, Lansdale, PA
11. Kevin Atkins, Pinson, AL
12. James Kline, Santa Monica, CA
13. Dale Park, Honolulu, HI
14. Don Moman, Sherwood Park, Alberta
15. Greg Hart, Live Oak, FL
16. David Morby, Clifton Park, NY
17. Kevin Klein, Appleton, WI
18. Linda Sue Morby, Scotia, NY
19. Bill Flynn, San Jose, CA
20. Anthony Pannone, East Haven, CT.



Listeners Notebook

PRICE MacGIBBON, 2295 JUNIPER AVE., GRESHAM, OR 97030

AUSTRALIA - Radio Australia's primary targets are Asian and Pacific nations, and Papua New Guinea. Its daily broadcasts, in nine different languages, provide 48 hours of news and current affairs, topical features, sport and entertainment. Reception beyond designated coverage areas is influenced by propagation conditions and frequency congestion and will vary from day to day. RA's J89 Sked effective 7 May 89: ENGLISH SERVICE: Broadcasts are directed to the following groups of countries and are designated in this manner in the listings: A - Papua New Guinea, Solomon Islands; B - New Caledonia, Vanuatu; C - Cook Islands, Fiji, Kiribati, Tonga, Tuvalu, Western Samoa; D - Indonesia, Malaysia, Singapore; E - Burma, Cambodia, Laos, Thailand, Vietnam; F - China, Hong Kong, Korea, Taiwan; G - Japan, The Philippines; H - Bangladesh, Bhutan, India, Nepal, Pakistan, Sri Lanka; J - New Zealand, Norfolk Island. * = Sat & Sun only. 21740 22-0730 S50 B&C; 17795 21-06 S100 B&C; 17750 0000-04 D250 E, 03-06 D250 F*, 05-06 D250 E, 08-09 D250 E; 17715 01-0913 H&D, 04-05 D250 F&G; 15415 09-11 C250 H&D; 15395 01-04 C250 D&E, 03-06 C250 F*, 05-09 C250 D&E; 15320 22-06 S100 B&C; 15240 0000-01 C250 C&E, 21-0730 S100 J, 22-01 S100 D&E; 15160 21-0830 S100 A, 21-08 S100 B; 15140 0000-01 C100 E; 11910 04-0630 S100 J; 11800 11-1230 D250 G; 11720 0830-0930 S100 B&C; 9770 10-11 S100 D&E, 11-13 C250 H&D; 9760 09-10 S100 G; 9710 11-1230 S100 G; 9655 07-1030 S100 J; 9620 20-2130 S100 A; 9580 08-2030 S100 B&C; 7215 11-13 S100 J, 15-2030 S100 J; 7205 12-1430 S100 D&E, 1430-1530 C300 D&E, 1530-2030 C300 H; 6080 11-20 S100 A&G; 6060 1130-14 S50 B&C, 1430-2030 S100 B&C; 6035 1530-2030 C250 H; 5995 0830-19 S100 B&A. UK/Europe: 9655 07-1030 S100; 7205 1530-2030 C300; 6035 1530-2030 C250. United States/Canada: 17795 22-04 S100; 15320 22-02 S100; 9580 08-15 S100; 6060 1130-14 S50. **INDONESIAN SERVICE:** 15365 23-01 D250; 11855 23-24 C100, 0000-01 C300; 11705 09-13 C100; 9645 09-13 D250; 9505 21-22 C300; 6035 21-23 C250. **CHINESE SERVICE:** (Standard Chinese)-17750 04-05 D250; 17715 0930-1030 D250; 15395 04-05 C250, 0930-1030 C300; 15170 21-23 D250; 11765 1030-13 C300; 11730 21-23 D250; 9720 21-23 D250; 7120 1030-13 D250. (Cantonese) - 7120 13-1430 C300, 13-1430 D250. **PAPUA NEW GUINEA SERVICE:** 9710 08-11 S50; 6080 08-11 S100. **FRENCH SERVICE:** 17795 06-08 S100; 17750 06-08 D250; 15320 06-08 S100. **THAI SERVICE:** 15380 23-24 C250; 9505 23-24 C300. **JAPANESE SERVICE:** 11800 10-11 D250, 1230-1330 D250; 9760 10-11 S100; 9710 1230-1330 S100. **VIETNAMESE SERVICE:** 9770 1330-1430 D250; 7135 1330-1430 S100. **TRANSMITTING STATIONS:** C - Carnarvon, Western Australia; D - Darwin, Northern Territory, S - Shepparton, Victoria. **ENGLISH PROGRAMS** - Anything Goes: John Anderson with a lively musical smorgasbord. Fri 1730, Sun 0030, Mon 2230, Wed 0230; Arts Roundabout: Reflecting significant achievements in the Arts in Australia, past and present. Presented by Nick Kaye. Sat, 1930, Sun 0430, Mon 230, Thu 1530. At Your Request: Dick Paterson plays your choice of music. Sun 0130, 0530, Mon 1730, Wed 1030, Fri 2230. **AgriNews:** News and information about agricultural and primary industries, presented by Denis Gibbons. Sat 0713, 1513, Mon 0430, Tue 0930, Thu 1830. **Australian Country Style:** Eric Scott surveys the local country music scene. Sat 0130, Mon 0630, Tue 1030, Wed 2230, Thu 1730. **Along the Mighty Murray:** Denis Gibbons' stories of people, places and events linked with Australia's greatest river. Fri 2030, Sat 0530, Sun 1830, Wed 1530. **Book Readings:** Serialised readings from popular books. Sat 0230, Sun 0913, Mon 1345, Wed 1945, Thur 2330. **Boomerang:** Warren Moulton and Michael Taft answer listener enquiries about RA. Thu 2345, Fri 1713, Sat 0913, 1430, Sun 0113. **Business Horizons:** Peter Stirling reviews business and trade in Australia and neighbouring regions. Thu 1230, Fri 0630, Sun 1930, Tue 0430, 1713. **Communicator:** Roger Broadbent and Mike Bird report on the latest developments in the communications world. Sun 0230, 0730, 1230, 1730, 2030. **Conversations:** Peter Barnett, RA's director, presents a series of discussions

with well-known Australians. Sat 1730, Sun 0630, Mon 1230, Tue 0200. Innovations: Desley Blanch reports on Australian inventions innovative practices and processes. Interaction: Trevor Robertson explores the activities and experiences of multicultural Australia. Sat 1030, Sun 2230, Wed 1230, Thu 0130, 0630. International Country Music: John Anderson plays the latest chart makers and top albums. Thu 2230, Sat 1230, Mon 0230, Tue 1730. International Top Hits: The week's biggest sounds with John Anderson. Fri & Sun 1130, 2130. Just Out: Geraldine Courtts with recent Australian releases. Monitor: Australian science, medicine and technology news, with Brendon Telfer. Sat 0430, Sun 2330, Mon 1530. Matters of Faith: Dallas Adair examines doctrines and beliefs of faiths of Asia, the Pacific and Australia. Thu 0930, Fri 0430, Sat 2030, Sun 1530, Mon 1830. Pacific Sunrise: Reporting business and export development in the south-west and central Pacific. Propagation Report: Mike Bird with the shortwave weather report. Daily 0430, 0826, 1225, 1627. Smith's Weekly: A potpourri of news and views with Keith Smith. Fri 0930, Sun 1313, Tue 2330, Wed 0430, Thu 1713. Soundabout: Michael Wagner plays young contemporary music from Australia and around the world. Tue, Thu & Sat 1130, 2130. Sports Results: Results and reports from Australian and International events. Presented by Brendon Telfer and Nick Kaye. Sports World: Reports, commentaries and results of events around Australia today. Hosted by Peter McArthur. Sat 02-0730 on 21740, 17715 and 15240 only). Stock Exchange Report: A roundup of news and prices from the Melbourne Exchange. Mon to Fri 0825, 1025, 1425, 1625, 2025. Tattsлото Results: Winning numbers in Australia's major lottery. Sat 1227, 1713, Sun 0850, 1227. This Australia: Documentaries about the land "down under". Sat 0930, 1530, Mon 0130, Fri 1830. Taim Bilong Masta: Tim Bowden traces Australia's role as administrator of Papua New Guinea for almost 70 years. Thu 0733, Fri 1530, Sun 0930, Tue 0230, Wed 2030. Try to Remember: Jeff Dugan and John Chester review 50 years of popular music in Australia. Wed 0130, Thu 1930, Sun 1030, Tue 1530. Window on Australia: Rob Hoskin "looks in" on people and places all over the nation. Word of Mouth: Oral histories of people who have made significant contributions to Australia. Sat 2113, Sun 1713, Wed 0930, Thu 0230. You Asked For It: Desley Blanch and Denis Gibbons answer listeners' questions about Australia. Sat 0313, 1313, Sun 0713, Tue 1830, Wed 2330. (via Keith Synnott, Publicity Officer, Radio Australia.) 11895NF, 1458, Radio Australia, EE, Walting Matilda t/15 then M "Welcome to R. Australia" into World news/9580 on 6/6. Not one of the announced freqs! (bmm) Keith Synnott, Publicity Officer, Radio Australia in a letter dated 6/8 says 11895 is a short term addition to our schedule so that RA can broadcast some of the sessions of play in the test cricket being played between Australia & England, in the UK. Broadcast hours are 15-17 on playing days. The signal is from a 250Kw transmitter at Carnarvon. The main target is India, Pakistan and Bangladesh, where the population thrives on cricket no matter who is playing whom or where! 15245NF, *1500, RA, EE observed on 6/15 (maybe a replacement for 11895 which hasn't been heard lately), and 21525NF at 0627 on 6/15. (bmm) Via RA's "Communicator" Program on 6/18: The Frequency 17715 is now 04-0930 due to the China situation. 21525 is on Sats & Suns only for Sportsworld & Rugby League coverage to the Indian subcontinent on Sat 02-1730 & Sun 04-0730.

BELIZE - Bob Wilkner in DXSF via R. Nuevo Mundo reports Belize suprisingly strong around 0200 on 2nd Harmonic 6570 and again at 1140. Is is a new transmitter? (via Glenn Hauser on RCI's SWLD 6/16)

BOLIVIA - New Station! 4600, R. Perla del Agro, Cobija, Dpto. de Pando, 0150-0252 on 5/26. Talk about Asociacion de Pando, pgm "La Mesa Redonda", ID "Desde Cobija, capital del Departamento de Pando..", "Desde el Estudio 3 de La Perla del Agro..", 0229 abrupt. (Gabriel Ivan Barrera, Argentina via his pub "Onda Corta" Jun 89)

BRAZIL - The following SW stations have been reported off: 2470 R. Cacique - Sorocaba SP; 3275 R. Difusora - Caceres MT; 3375 R. Dourados - Dourados MS; 4755 R. Difusora do Maranhao - Sao Luiz MA; 4835 R. Atalaia - Corumba MA; 4855 R. Por Um Mundo Melhor - Governador Valadares MG; 4875 R. Jornal do Brasil - Rio de Janeiro RJ; 4925 R. Dragao do Mar - Fortaleza CE; 5055 R. Continental - Rio de Janeiro RJ; 5055 R. Continental - Rio de Janeiro RJ; 5970 R. Itatiaia - Belo Horizonte MG; 5990 R. MEC - Rio de Janeiro RJ; 6160 R. Pampa - Porto

Alegre RS; 9550 R. Pampa - Porto Alegre RS; 11895 R. Pampa - Porto Alegre RS; 17875 R. MEC -Rio de Janeiro RJ. (Antonio Ribeiro da Motta via 'DX'ers Calling' Jun 89, the monthly magazine of DX Australia)New Station! Radio Nova Esperanca, Porto Alegre, 6160 19-2001, PP// 9550. Listened first day of transmission on 9550. Religious programs, 1D: "E a Radio Nova Esperanca de Porto Alegre em 49 metros 6160 khz, y a partir de hoje tambem en 31 metros con 9550 khz; de Porto Alegre para todo o Brasil, ouca e divulgue a Radio Nova Esperanca, uma Radio evangelica para o evangelio pelo Brasil actual". Listened 5/27 with strong signal, 1D: "Nova Esperanca de Porto Alegre, transmittiend para todo o Brasil a mensagem da palavra de Deus.." mention phone: 0512-728245. (Gabriel Ivan Barrera, Argentina, via his June 89 "Onda Corta") 6080NF, 0130-03, R. Arhanguera//11830, (Ernie Beher, Kenora, Ontario via Glenn Hauser on RCI's SWLD 6/10)

CANADA - CBC budget cuts to affect external broadcasts. Excerpts from "Media Network" report. (Presenter) JM: Now to Canada, where it seems that public service broadcaster in that country is now faced with another round of budget cuts. These are by far the most serious of recent years. Andrew Simon, director of Radio Canada International (RCI) which is the external voice within the Canadian Broadcasting Corporation (CBC) explained to me that getting rid of RCI altogether is one of the options that the CBC may have to consider before October. Simon: In the next fiscal year we get 20 million dollars less, in the following one an additional 10 million less and in the fourth year an additional 10 million less. So in other words in the four year we will get from the government 50 million dollars less than we do now. JM: But Radio Canada International has already severely cut back its administrative staff. The recent launch of relay exchanges with Japan, China, and Austria have been financed from within the current budget; it's not an expansion. Simon: These cuts will have to take the form of reductions in service because all the administrative cuts have been made in the last three budget cuts, so now the task, the challenge facing the corporation, is which actual on-air services to cut. Right now we're just at the point of making a list of possible services that could be cut and during the next two or three months these will be researched very carefully both in respect of their financial and other impacts. You see to cut one or two languages wouldn't net enough money to be like worth the trouble, but to cut RCI entirely would be a meaningful cut, although still not enough to satisfy the cut from the corporation. (WBI 9/6) Note: Like Ian McFarland said on RCI's SWLD on 16/6, it's time to write letters! (bmm)

RCI will be starting up its Chinese Language Service about a year earlier than originally planned. Starting Monday 19/7 the format of the EE & FF service broadcast to Asia at 22 & 2230 on weekdays will be changed to include a newscast in Standard Chinese. The news in CC will be heard in the 1st part of those two broadcasts. (via Ian McFarland on RCI's SWLD 6/16) Note: Freq is 15440 & 11705 (both via Yamata) at 22. At 2230 the freq is 11705 (via Yamata) (bmm)

CHINA - July Highlights of Radio Beijing: China Anthology: Nie Er was a talented Chinese composer who died at the age of 23. Many of his works inspired millions of people to fight for their country against the Japanese invaders over 40 years ago. His "March of the Volunteers" was adopted as China's national anthem in 1949 when the People's Republic was founded. For more about this musical talent, please tune in on July 16th for our "China Anthology" program. Listeners' Letterbox: Aids is becoming a great threat to mankind nowadays. Doctors and researchers all over the world are striving to find a cure for this disease. "Listeners' Letterbox" on July 23rd will tell you what Chinese doctors are doing about aids and what treatment is available for it in China. "Listeners' Letterbox" will also acquaint you with bicycles in this so-called "Kingdom of Bikes". What is the cost of a bicycle? What should you do to own a bicycle in China? and a lot more. The message will be on the air on July the 2nd. Don't miss it. Culture in China: China's reportage is experiencing a period of intense activity as some critics point out. "Culture in China" on July 6th will take a look at the latest developments in this area of Chinese literature. Music Album: Every Sunday in July, "Music Album" will feature music written by Chinese composers for the piano or the violin. The first edition of this series includes a violin piece inspired by spring scenes in the

Xinjiang Uygur Autonomous Region in Northwest China. Music from China: "Music from China" on July 8th will entertain you with Hebei Chũge or Blowing Songs from Hebei province, a type of Chinese folk music played on percussion and wind instruments. (Direct)

Radio Beijing: On 6/4 at 0300 on 9690, Tom Gavaras, MN heard this announcement: "This is Radio Beijing. Please remember June the 3rd, 1989. The most tragic event happened in the Chinese capital, Beijing. Thousands of people, most of them innocent civilians, were killed by fully armed soldiers when they forced their way into the city. Among the killed are our colleagues at Radio Beijing. The soldiers were riding on armoured vehicles and used machine guns against thousands of local residents and students who tried to block their way. When the army convoys made a break through, soldiers continued to spray their bullets indiscriminately at crowds in the street. Eye witnesses say some armoured vehicles even crushed foot soldiers who hesitated in front of the resistant civilians. Radio Beijing's English department deeply mourn those died in a tragic incident and appeals to all it's listeners to join our protest for the gross violation of human rights and the most barbarous suppression of the people. Because of the abnormal situation here in Beijing, there is no other news we could bring you. We sincerely ask for your understanding and thank you for joining us at this most tragic moment." Note: I cannot hear the RB broadcasts to Australia. Does anyone in Australia know when this courageous statement was discovered by the government? (bmm) The above was followed by various unrelated news stories (China's foreign minister meeting with the action president of the Ecuadorian congress and with the U.N. secretary general, etc. The newscast was followed by a song called: "Ambushed on All Sides". An identical broadcast was also heard at 0400 on both 11685 (French Guiana) and 11840 (Sackville). Monitored the following day 5/6, Radio Beijing's newscast had no mention of any of the problems happening within China. Instead, the newscast opened with news on the death of Ayatollah Khomeini and the selection of a new leader for Iran. Via WBI 9/6: Excerpts from report by 'Ming Pao', Hong Kong 5/6: "An English-language announcer of the Beijing international radio station (Radio Beijing) risked his life yesterday morning (4th June) to report to the world the truth of the slaughter, and was immediately dismissed. He is being held under arrest. This announcer, unyielding for a just cause, bitterly denounced the atrocities committed by the authorities, referring to the government's actions as the most barbaric suppression of the people...The announcer was immediately dismissed after he delivered the report and was later arrested. An investigation by this reporter shows that of mainland journalists, one each from Xinhua, the international radio station, and 'Yejin Bao' were killed..The announcers, male and female, of the Beijing China Central Television, were dressed in Black when reporting the news last night. It is believed that in this way they expressed their condolences to the dead compatriots and colleagues."

On Radio Nederland's Media Network on 9/6 was this about the China situation: Jonathan Marks (JM): Hello, and the People's Republic of China has dominated the media headlines worldwide this week. 5 days after the massacre at Tian'anmen Square, the situation in the country is still confused. Foreign journalists covering the story in Beijing are constantly risking their lives to bring the news to the outside world. Since martial law was declared, China's official broadcasting media has been dismissed by many foreign journalists as a government mouthpiece, and for that reason simply ignored. Close examination reveals incidents by the broadcasters on the Chinese State Radio and TV which has indicated to the audience that they don't agree with what they have to read. In the next half hour, we'll be looking at the Chinese Media in some detail. Back on May 20th, one of China's top television presenters was told to read the martial law announce-but stammered so much that it was unusable. At 04 hours UTC, Sunday June the 4th, (Note: Some heard it at 031 (bmm) listeners in North America to Radio Beijing, China's external radio service heard the sign on music followed by a courageous statement from, it's believed Liu Dan, head of the English Service. (Played part of the statement. (Glenn Hauser on "WOR" on WRNO is to be congratulated for playing the complete statement!) The broadcast then continued with a rather innocuous news bulletin. Liu Dan hasn't been heard since that transmission and an unconfirmed report from Hong Kong on Monday says that he has been arrested. (Note: According to Usenet's Social Culture China News Group (it links Chinese students in NA) via ANARC BBS on

7/6 (and thanks for this from David Snyder, New York). The announcer was killed soon after broadcasting this & from the ANARC BBS on 10/6 via David Snyder, NY, It has been suggested that ANARC give its "Broadcaster of the Year" award to Radio Beijing announcer who read the previous statement, and who appears to have paid for it with his life, but via 'Asia Watch' a Human Rights Organization - The announcer who gave the courageous statement may not have been Liu Dan. - This via information FAXed on 19/6 to the Northwest Regional China Council, Portland, OR.) (bmm) Later on June the 4th, a split was observed in the output of Radio Beijing. Most foreign language broadcasts carried a standard news bulletin with no reference to the domestic catastrophe in the country. (Part of GG news then played). That was the German Service but Beijing's English Department replaced the first 20 minutes of its broadcast with traditional music. Tetsuya Kondo, of the Asian Broadcasting Institute based in Yokohama, Japan reports that the Institute's members have been monitoring Chinese radio around the clock. He noted that on June the 4th, Radio Beijing's JJ Service signed on at 0930 UTC but played a recording of Beethoven's 5th Symphony instead of the news without any explanation. Until that moment, Radio Beijing's JJ Service had stayed rather neutral in its reporting of the event. But for the last 4 days, Beethoven was replaced all the news bulletins. (Note: via 'Asian Broadcasting Institute' on RN's 'Media Network' on 16/6, normal programming started Sunday.) The choice of Beethoven's 5th is significant. The composer is supposed to have chosen that rhythm to symbolize faith knocking at the door. The German Service has also chosen to play Beethoven's 5th Symphony towards the end of the broadcast on Tuesday. But back to the English Service. By Monday at 04 hours UTC news bulletins from Radio Beijing's English Service had resumed, but the news reader no longer gave his name. The bulletin was taped and replayed throughout the day in transmissions to other parts of the world. Chinese Domestic news came way down the bulletin and then it wasn't up-to-date. (Note: Eric Swedberg, OR monitored the Mandarin Service on 5/6 and they were giving the government's version of the events in Beijing!) Later there was even an attempt to present a lighter item. On Tuesday, Wed, and earlier today the situation has continued in a similar vein, although news bulletins on the English Service of Radio Beijing are now updated more frequently. In direct references to the domestic problems find their way into the middle of most bulletins. The music programs following the news are evidently pre-recorded. On Sunday and Tuesday, the choice of music was more than a little ironic. The Central Peoples' Broadcasting Station, China's Domestic Radio Network is running as normal. Although official government news bulletins are quite often cut off leaving an open carrier on the air. (Further on in the program) - JM: You may recall that on Monday May 22nd, the Chinese authorities started putting out deliberate interference on 3 of the 5 frequencies used by the Voice of America's Mandarin CC Service. According to our research in the region, all other International Broadcasters beaming into China appear to be unaffected by the jamming. (See Taiwan). China People's Broadcasting seems to have rearranged some frequency skeds even considering DST: These were checked against WRTH 89 and D88 ILG. 11505 CPBS-2 at 2132//15030 on 27/5. 11610, CPBS-1 at 1951//11330 on 5/29. 11630, CPBS-2 at 1959 w/time pips at 20 & anthem on 5/29 & 15030 noted same day at 2059 in//.11685, 0409, Radio Beijing, EE, "News About China" t/0414 on 6/14. This back after being noticeably absent after "Beijing Massacre" and following days. (bmm) 11905, 0657, CPBS-2, CC Opera. 5+1 time pips @07. W w/Beijing time and M w/ID. Being used as a jammer over CBS, Taiwan listed for this freq on 6/12 (bmm) 15401, 1143, UNID, Unlisted w/delicate Oriental orchestral and vocal selections; M & W in non-tonal language; at 12 "5+1" pips and continued in same tongue. Fair with QRM from Finland on 5/24 and not there any day since. (Bob Hill, MA) 17890, 1444, CPBS-1, Real strong here over VOA CC broadcast //7516 & 17890 VOA// 15410 VOA (jammed by CPBS-1 another strong signal overrunning VOA in CC on 6/5 (bmm) Now I ask you for a favor. I just joined "The Northwest Regional China Council" and the day I called them I was told many Chinese students are buying Shortwave Radio's but don't know the frequencies to tune them in. Could you please call a University in your area and find out if they are being asked the same question. If so please give them the English Frequencies that you will find in Tom Sundstrom's Schedule column and the Mandarin frequencies as given below: (bmm) Radio Beijing's Mandarin Schedule: 02-03 NA 15435, 12055; 03-04 NA

11685 (WBI says Guyana(unconfirmed) - but we know it's French Guiana! (bmm); 04-05 NA 17055, 17720, 17585; 09-10 Asia 15320, 15260, 15180, 15165, 15150, 11945, 11650, 9945, 9480, 8450, 6810, 4020; 11-12 17715-Mali, 9535, 8400, 4200; 13-14 Asia 15320, 15260, 11945, 4020. 15-16 Asia 11685, 9565, 4020; 1730-1830 Eur, ME 15100, 11975, 4020; 20-2030 Eur 6165-Switzerland; 20-21 Eur, ME, Afr 11650, 11445, 9765, 8345, 7660; 2230-23 Asia 15330, 11685, 8260, 7590, 7190, 6165, 6140, 5220(via WBI 9/6)

CHINA OR NON CHINA - 8375, 1401-1405*, Heard W in CC on a tape "Beijing Calling For Help" 6/6(bmm)

COLOMBIA - 4945, 0530, Caracol, SS, M talk. At 0543 M "Caracol, Colombia"//5075 on 6/16. No sign of 4755. (bmm)

COSTA RICA - Panamanian criticism of Radio Impacto: Text of Report from Radio Nacional, Panama City, in SS. San Jose: Radio Impacto, a Costa Rican radio station whose programming has been directed against the Sandinist government of Nicaragua, is now attacking Panamanian authorities. The radio's attacks on Panama have been widely condemned. The latest issue of the weekly 'Adelante' features the complaints of Costa Rica's Atlantic zone residents, who claim Radio Impacto's new relay station prevents them from listening to other local stations. The weekly recalled that prior to the elections in Panama, several new aerials were installed on the Limon-Cahuita road, and local residents were then burdened by the undesirable and unexpected radio waves being broadcast by the station from Costa Rican soil into Panama.

According to reports, armed men closely guard the station's four gigantic relay station towers, the main structure and a two-storey house on the other side of the road. One resident claims people are afraid because the men verbally abuse anyone passing near the area.

Radio Impacto has been condemned by Nicaragua, because the station has been at the service of the Nicaraguan counter-revolution for years, waging a constant attack of disinformation against Managua. Diplomatic sources in San Jose believe Radio Impacto is very closely linked to US anti-Nicaraguan policy. Furthermore, it has strongly attacked the Panamanian government and military since before the Panamanian elections... (via WBI 9/6)

5044v, 0441, R. Impacto, M talking about Nicaragua. At 0443 ID//6150 on 6/8. Noted back on 5030 at 0343//6150 on 6/15 (bmm) 11866vNF, 0044, Radio Mundial Adventista, SS, M w/relig talk amid music T/0048 then just music. At 0049 M "Radio Mundial Adventista presente"... and at 2330 children's choir singing then brief music & M talk & W w/Radio Mundial Adventista" ID on 6/11 & on 6/15 on listed 11870 freq at 0237-0413*. (bmm) 11869.9NF, TIASD Adventist World Radio, from approximately 22-24 EE, 0000-04 SS. Friday at 1208 in FF. On Wed on 11866.7. (via GH on RCI's SWLD 6/16)

CUBA - Radio Havana Cuba Pub Sked 5/8-11/5: SS 09-11 15155, 11950; 11-16 6060; 11-17 15155, 15285, 15430, 11760, 11820, 9550; 23-0140 11910; 23-02 11760; 23-06 11725, 11950, 11970, 6060; 0000-04 9550. EE for NA: 0000-06 11820; 02-0450 9710; 06-08 11835. EE for the Caribbean: 04-06 11760, 5965. FF: 03-04 11760, 5965. Creole: 21-22 6060; 02-03 11760. PP: 09-1045 11820; 01-0245 15340; Quechua: 10-1050 11760; 0000-01 15340. Guarani: 23-24 15340. AA: 22-23 15340. Esperanto: 08-0820 11835; 17-1720 15155, 15285, 15340, 11820, 11760, 9550; 2240-23 11970, 11950, 11910, 6060. (via James Kline, 'CA') (See LMI)

EQUATORIAL GUINEA - 7188.9NF (occasionally 7188.8), from around 2130, R. Africa, Fundamentalist gospel programs. S/off time varies considerably -2145* on 5/19(Fri), 2258* on 5/20(Sat), 2227* on 5/24 (Wed). At closedown, gives time of operation as 6-11 PM (presumably 18-23 UTC), freq as 9852, address as POB 805, Malabo; concludes with NA. Builds to outstanding signal. (Bob Hill, MA)

FEDERAL REPUBLIC OF GERMANY - No one likes to make typing errors but I did in LN for June so here's the sked again (bmm) via May/June R. Deutsche Welle's "Tune-In Pub", the EE Sked is: NA 01-0150 6040, 6085, 6145, 9565, 9735, 11865, 15105; S. Asia: 02-0250 1548, 7285, 9615, 9690, 11835, 11945, 15235, 17770; NA: 03-0350 6085, 9545, 9605, 11810, 15205; East Central & S. Afr: 04-0450 7150, 7225, 9565, 9765, 11765 & to NA on 15265. NA: 05-0550 5960, 6130, 9670, 9700, 11705, 11845. West Afr: 06-0650 11765, 13790, 15185, 17875. Asia & the Pacific: 09-

0950 6160, 11945, 17780, 17875, 21650 (also S. Asia), 21680 (also S. Asia). East Central & Southern Afr: 09-0950 9650, 11785, 21600. West Afr: 11-1150 15410, 17765, 17800, 21600. East Central & S. Afr: 15-1550 9735, 11965, 17810, 21600. S. Asia: 16-1650 1548, 6170, 7225, 15105, 15595, 17825, 21680. West Afr: 19-1950 11785, 11810, 13790, 17810. Asia and the Pacific: 21-2150 9670, 9765 (also S. Asia), 11785, 15435.

FRANCE - Radio France International noted in Holland 5/6 between 18 and 19 on 14320 in the 20 meter ham band, with French programming. This is the second harmonic of 7160, which was very poor copy at the same time. Both Allouis and Moyabi are listed on 7160, so it's not clear which site was responsible. (Andy Sennitt, WRTH BBS 6/6 via David Snyder, NY) Note: I'm not familiar with Bulletin Boards so if it is not WRTH BBS please let me know. Same as for Iceland below! (bmm)

GABON - 9580NF, 2047, Afrique #1, Afro pops, M announcer//15475. 2055* on 6/10. 9580 continues from 21, I believe, as I heard them on this freq from 2117 on 6/12 (bmm)

GERMAN DEMOCRATIC REPUBLIC - RBI Sked from 8/5: ECNA: 2100 & 2145 on 9730; 2345, 01 & 0145 on 6080, 11890; WCNA: 0145, 03, 0345 on 11785 & 15125. RBI's Programme Sked for Asia: Daily -News, Commentary, Topical Notes; Mon: DX-Club Meeting and the Austral-Asian DX-Special Programme on alternative weeks; Tue: Round about the German Democratic Republic (a magazine featuring cultural and social life and science and technology); Wed: You Ask -We Answer (a programme in which we give detailed answers to your questions) including our series "Good Day, Jordanstorf" every other Wednesday. Thu: The Country We Live In (we provide information on aspects of life and developments in the GDR); Fri: Panorama -Socialist Cooperation and Developments in Focus. Every 3rd Friday we pick and answer the Question of the Month. Sat: Give Peace a Chance (news and views from the International Peace Movement) GDR Report (carrying information on GDR-Asian relations). Sun: Every Sunday: Round About the GDR (a weekend magazine) 1st Sun: International Mailbag; 2nd & 3rd Sun: Thank you for Writing; 4th Sun: Club Meeting Programme. Extra: By the way...-a not-so-serious get up to in and outside work, including some unchallenged GDR and world records. Every last Friday. (Kraig Krist, VA)

GUATEMALA - Radio K'ekchi: Radio K'ekchi' is located in the town of Fray Bartolome de Las Casas, 16015 Alta Verapaz, in the north central part of Guatemala. Reception reports have been received from "such far away places," according to David Daniell, Asesor de Comunicacions, as Japan, West Germany, Holland, Italy, England, Paraguay, Canada, and the United States. The programs, which include contemporary Christian music, Bible Drama, and Bible teaching, are in Spanish and K'ekchi'. The station also offers correspondence courses on the Bible. In addition to preaching the Gospel, the station has another goal--to help their listeners in the social aspects of their lives. There are 365,000 people in Guatemala who can speak the K'ekchi' language. The station is financed by donations from the 135 congregations that cooperate in the Association of K'ekchi' Baptists.

The station's transmitter is a Gates BP5; its antenna is bi-polar with a reflector. Studio equipment includes a Tascam M-208 mixer and Tascam 22-B cassette recorders. Almost all of the programs are in cassettes made for the station. In addition to David Daniell, the station's personnel include Gilberto Sun Xicol, manager of the station; Felix Och, operator, announcer, and treasurer; and Miguel Coc Macz, operator and announcer.

Details about the station were taken, in Spanish, from David Daniell, which had been mailed from Medios Educativos, A.C., Apartado Postal 310, Ciudad Satellite, Estado de Mexico, 53100 Mexico. 48 stamps covered the envelope. Verification was in the form of a 6" by 9" "Certificado de Sintonia." Other items included were a pennant, a lesson of the correspondence course in Spanish with an invitation to complete it and receive the next one to practice my Spanish, and a religious tract, "Live a Better Life," in Spanish. (Marlin A. Field, MI)

TGNA, Radio Cultural, is in part supported by 1016 members of its 730 Club, named for its AM frequency. To become a member, and to remain one, one must give a minimum of two quetzales, about 75 cents a month towards the operating costs of the station. (Marlin A. Field, MI)

ICELAND - Reykjavik noted in Holland on 5/6, on two new frequencies. Observed to s/off at 1932 UTC on 13855 and found again with another transmission at 1946 on 15767. Programming was news in Icelandic. (Andy Sennitt, WRTH BBS 6/6 via David Snyder, NY) Note: I'm not familiar with Bulletin Boards so if it's not WRTH BBS please let me know. (bmm)

INDIA -11850, 1113, All India Radio, Unlisted w/IS, then s/on in Burmese or Thai (both scheduled *1115); faded shortly thereafter on 5/26. (Hill) 15125, from around 0930-11*, AIR(t), Exotic subcontinental vocals interspersed with brief announcements in local language by W; always weak and mixing with "R. Moskau"(Moscow in GG). Doesn't match published schedules for Delhi on this freq; sounds like Vivdh Bharati program of music from Indian films on 5/13 (Bob Hill, MA)

INDONESIA -15155NF, Programme Nasional, Jakarta from 22-01 & again from 08. Believed to replace 11865 now occupied by Radio Japan. (Craig Seager on Radio Australia's Japanese DX Program via Glenn Hauser on RCI's SWLD 6/16)

INTERNATIONAL WATERS - Kraig Krist received a QSL from World Mission Radio for reception on 1/3/89 at 2115-2202 on 6215. Address was: Gouwekerk; Hoge Gouwe 41; 2801 LB Gouda; Holland. Tel 01820-27000 or Hoofdkantoor:(Church Office); Apeldoornselaan 2; 2573 LOM Den Haag; Holland; Tel. 070-635929. Included was this: *Important** - Listen also to Evangelist Johan Maasback every day at 11.00AM and 9.00 PM GWT. He always has a dynamic message. We will send you his beautiful magazine New Life! Because we know it will bless you. In May 1989, we will start the "World Mission Radio Shortwave Club". Join the W.M.R.S.C. by sending us \$12-U.S. (or more) This is only one dollar a month. More about this in our next newsletter. & a letter dated 8/4 from World Mission Radio (W.M.R.) Box 346, Corona, California 91719. Phone 1-714-737-4497. your all day Evangelistic Radio station for Europe and the Eastern World. 10.000 Watts E.R.P. 49 meters Europe S.W. band 6.215 MHz. Excerpts of: As you probably have noticed, the signal from World Mission Radio (18 hours every day) 49 m. 6.215 Mhz. is clearer than before. There has been a change in the transmitting system and that is why we were sometimes not in the air. We do apologize for this. Because we have made these changes we will be able to increase the power of W.M.R. and we hope to do this before Spring 1989. This will make us the most powerful and strongest full-time shortwave Gospel Station in Europe and surroundings.(Kraig Krist, VA) Radio Caroline has been noted almost nightly since 3/6 on 6215 from 0130. Programming of pop music, weather reports, and frequent IDs: "This is Caroline 5 5 8," "On 5 5 8 kilohertz, this is Radio Caroline." Signal has ranged from near-non-existent to good level w/minimal adjacent frequency QRM. Now if only they would QSL Reports. (Mike Hardester, PA)

ITALY - 9515, 2124, R. 1, Caltanissetta(Sicily), Telephone interview in Italian; At 2128 RAI R. 1 ID, gave several freqs, said buona notte and left the air after a few minutes of test tones and clicks on 5/27. Not often heard here this time of day. (Bob Hill, MA)

KOREA - Topics for Listeners Forum in July: The topic for the first two weeks of July (July 7th and 14th) is about your profession and your views about what you are doing in general. There are millions of types of jobs and professions in the world, and we think it would be interesting to discuss in what diverse ways people are leading their life in all corners of the globe. Divorce is an all-time topic for hot debate. It used to be that divorce was a serious problem only in advanced western countries. But, no longer so. In Korea, too, statistics show increasing cases of unsuccessful marriages. In our editions on July 21st and 28th, let's talk about this chronic problem facing this world of love and hate. (Direct)

LEBANON - 6549.5, from around 23 past 02, V. of Lebanon, several, times heard since 12/5(post Ramadan). ME music, chatter in AA by W DJ; slick production and general good signal on 12/5. Perhaps 24 hr operation now? (Bob Hill, MA)

MALI - RTM Bamako. The 1989 radio and television programme schedule took effect this morning (22nd May). As for the changes in radio

programmes, we note the introduction of news summaries from 0602-0607(gmt) daily, except on Sundays when the news summary is at 0702-0707. There is also a press review on Sunday mornings from 0915-0920 and "Political Forum" at 0925-0930. We also note among the changes the programmes, "Learning From the Elders", a new 25-minute cultural programme which will be devoted to the origin of Malian surnames, cousinhood, and some aspects of oral tradition, through related tales and proverbs, for example. Finally, "Contact, With Malinas Abroad" will be heard every other Wednesday from 2205-2225. This programme will alternate with "Solidarity Tribune", which will henceforth be devoted to problems confronting all handicapped persons in our country, unlike the previous programme that was devoted only to problems of the blind. (WBI 26/5)

MONTSERRAT - Deutsche Welle withdraws funding from Radio Antilles. Text of report from St. John's (Antigua): The Organisation of Eastern Caribbean States (OECS) says it wants to see kept afloat the Montserrat-based Radio Antilles, whose future is in doubt following a decision to terminate West German financial support. A government press release here said OECS leaders had requested that Montserrat's Chief Minister John Osbourne lead a delegation to West Germany for talks with government and relevant agencies on ways to maintain the station's operations. The leaders also decided that approaches should be made to the regional private sector to obtain their interest in full or partial participation in Radio Antilles as a private venture. The heads of governments, at their meeting here this week, also agreed to have the matter placed on the agenda of the coming Caribbean Community summit next month in Grenada.

Radio Antilles, a privately-owned 200,000-Watt radio station, has been operating an English-language service to the eastern Caribbean for 25 years. Management reported last month that the West German organisation, Deutsche Welle, which largely finances the station, was withdrawing its funding.

The OECS leaders decided that an economic feasibility study of the station should be undertaken, relating to a long-term future for its operations. The release said the leaders recognised the valuable role which Radio Antilles was playing, particularly in providing news and public information in the Caribbean. They agreed that efforts should be made to ensure that the level and quality of the service was maintained. (Editorial note: Radio Antilles broadcasts its own programmes and also relays certain programmes from BBC, Deutsche Welle, Voice of America and Radio Canada International.) (via WBI 9/6)

PAKISTAN - 3665, 1800, Azad Kashmir Radio, Muzzafarabad. Drifted 10 kHz from the spot where I last reported them. Signing off w/anthem 'Yeh vatan hamara Azad Kashmir'. Very faint but channel free of utilities. (Supratik Sanatani, Aligarh, India via OZ DX No. 44, June 89)

PHILIPPINES - Radio Veritas Asia at 15-1530 in EE now on 9525NF ex 11740//15455 as noted on 6/13 (bmm)

SIERRA LEONE - Roland Schulze, West Germany heard Sierra Leone reactivated on 3316 fading in at 1950 & with a Krio ID at 2110 (via GH on RCI's SWLD 6/16)

SRI LANKA - Sri Lanka BC Corp. - On 11800, seems to have added new transmission following normal closure down at 1845 after Tamil. After a few minutes of silence, resumes with EE ID, freqs, mailing address and subcontinental selections. Buried by Havana s/on at 19-though on 5/13 when was 11802 for some reason, could still be heard as late as 1940 but was gone at 2001 recheck. (Bob Hill, MA)

SWAZILAND - 9550NF, 0410, Trans World Radio, Chewa (listed), Good Signal. EE at 0430 on 5/27 (Eric Swedberg, OR). Note: This is ex published freq of 9670 and //7200 heard under VOA (via Wooferton, UK) (bmm)

TAIWAN - Via Media Network 6/9: Excerpts of Taiwan information: Jonathan Marks (JM): Three longstanding clandestine stations are active on Taiwan. Tetsuya Kondo, of the Asian Broadcasting Institute explains to me that they seemed to be unaffected, including an operation that copies Beijing's Domestic Service. Tetsuya Kondo: The 3 station is "Radio October Storm" and Voice of the Liberation Army" and "Phoney Central Peoples' Broadcasting Station". JM: They've been on the air

before haven't they? Tetsuya Kondo: Yes sir. For example, Voice of Liberation Army has broadcast since 1966. I think it is believed from Taiwan. JM: But they haven't changed their programs because of the troubles in Beijing? Tetsuya Kondo: No, the program and the schedule has not changed. JM: Well, The Asian Broadcasting Institute has examined Taiwan's output and has discovered many changes over the last few days. Here is Ginger DeSilva. GS: There are various domestic stations on the island of Taiwan. There is the Broadcasting Corporation of China in Taipei which normally doesn't beam its broadcasts outside the country. But on May 29th, the Asian Broadcasting Institute noted a new 60 minute relay of the BCC domestic news program on SW at 23 hours UTC on 15270 kHz. Following this, late on Monday June the 5th, The Broadcasting Corporation of China started a special 24 hour news service targeted to mainland China. That's going out on 9610 and 7285, and as you might expect supports the students. (Note: On 8/6(Thu) the frequencies were increased. Now 15270, 11735, 9610, 7295 and all except 11735 monitored in Japan. (Asian Broadcasting Institute via RN's Media Network 16/6) Finally, there is another Taiwanese operation called the Central Broadcasting System which has been on the air for decades with programs exclusively beamed to mainland China. That is a giant operation with a total of 6 separate radio networks operating in various Chinese Dialects as well as minority languages including Mongolian. All of it fiercely opposing the government in Beijing. Now all of these programs have been combined into one special Mandarin Chinese program beamed to mainland China on 11 SW frequencies. 9 are jammed by the Beijing government." (Note: On 12/6(Mon) back to the former system of 6 separate Radio Networks as mentioned above. (via RN's Media Network 16/6) On 6/7, Eric Swedberg, OR, on the 0300 broadcast heard this statement on the V. of Free China. M "Starting from tomorrow, all regular Voice of Free China programming will be preempted. The VOFC each day will bring you a full hour of programming on the events happening on mainland China." W "This will include the latest news, special interviews with scholars, experts and students from Taiwan and around the world, commentary and other related programs. Be sure to listen to the Voice of Free China each day for the latest information." Note: Programming back to normal now (bmm) On RCI's SWLD on 16/6, Glenn Hauser says Voice of Free China has replaced 5985 w/5950, now that Cuba is on 5985 in SS. (See LMI)

UNITED STATES - George Thurman, Chicago called KGEI about when they broadcast in the Gypsy language Romanie. The Sked is: Sat 23 UTC on 15280 and Sunday at 05 on 9615 for 1/2 hour each. Also found out their Russian Service in the evening is off the air until September due to poor propagation. (via Glenn Hauser on RCI's SWLD 6/10) 15690, *1958, World Wide Christian Radio (WWCR), Nashville, TN, IS & M W/ID & address. First day of programming on 6/1. (bmm) On 6/2 at *1850 on 15690 weak & noisy. At 19 "V. of Salvation". At recheck 1924 M in SS. At 2059 V. of Salvation heard again and at 2101 WNQM simulcast w/Pam Paxton. WWCR left the air at 2205*. Note: In conversation with the station, the on-air time depends on time sold. 7520 at night probably not until September. On 6/12 as early as 1421 tune in, M w/religious talk. At 1422 ID "The Grace Hour". Call-in pgm. (bmm)

U.S.S.R. - Local broadcasts to replace jamming facilities in Belorussia. Text of Report from Minsk: The dismantling of jamming devices was started today (26th May) at Belorussia's largest jamming facilities situated in the centre of the Belorussian capital, Minsk. These devices started operating there in 1953. The equipment was, certainly, modernised more than once. The test equipment for transmitting in short waves, broadcasts prepared by creative workers' unions and trade unions and public organisations, as well as programmes of Belorussian Radio, is to be installed in the place of the complexes that are being dismantled. These facilities will also help improve radio and telephone communication of industrial and transport enterprises & text of report from Radio Moscow British Service in English 1900 gmt 26/5: Radio jamming devices are being dismantled in Minsk, capital of the western republic of Belorussia. Instead the facilities are to be used for local broadcasts. In January the Soviet Union stopped jamming Deutsche Welle, the Voice of Israel and Radio Liberty. The Soviet Union has stopped jamming completely. (WBI 2/6) Radio Vilnius in English 2200 gmt 28/5: Excerpts from "Letter Box programme: Today I'd like to invite you all to visit

one of the largest and most powerful radio centres in Lithuania. As I mentioned on a number of occasions in the past, the radio station is located in the centre of Lithuania, 15 km north west of Kaunas. It is equipped with three transmitters, one operating on the 666 kHz frequency with a power capacity of 500 kW; the second operation on the 1107 kHz frequency and possessing a 150-kW power capacity; and, lastly, the third, operating on both the 6.1 and 9.71 kHz (sic) frequencies shortwave with a power capacity of 50kW...

Until quite recently two shortwave transmitters functioned here. Today only one of them is in full operation order. I asked (?Petras Liskevicius) to tell me more about it.

(Radio Vilnius engineer in Lithuanian fading into English translation) These days about the best of (?barely) 50kW can hardly satisfy anybody. Since the 31 and 40 metre bands are extremely full and hence a great deal of interference, we plan to put into operation a new 250-kW shortwave transmitter in about three years' time. In the day the transmitter will broadcast the home service of Radio Vilnius to West European Countries, whereas in the evening it will broadcast programmes of Radio Vilnius external service. So that means that reception conditions on the 6.1 MHz frequency should considerably improve... (WBI 2/6)

Radio Moscow's Broadcasts in Russian to North America: 0030-01 (from 1/7) 15180, 13645, 11790; 01-02 15180, 13645, 11790 till 0130; 03-04 11790; 04-05 (from 1/7) 11790; 10-11 15375; 11-14 15375; 14-15 15375, 11690 from 1430; 15-16 15375, 13645 from 1530, 11690; 16-17 15375, 13645, 11690; 17-18 15375, 11690; 18-19 (from 1/7) 15375, 11690 till 1830; 19-20 15375; 20-21 15375 till 2030, 13645; 21-22 (from 1/7) 11920, 9765 from 2130; 2230-23 15180, 13645, 11790; 23-2330 15180, 13645, 11790 & from 3/9-23/9: 0030-01 15180, 9610; 01-02 17665, 15180, 9610 till 0130; 03-04 & 04-05 9610; 10-11 & 11-14 15375; 14-15 15375, 9505 from 1430; 15-16 15375, 9505, 7195 from 1530; 16-17 15375, 9505, 7195; 17-18 15375, 9505; 18-19 15375, 9505 till 1830; 19-20 15375; 20-21 15375 till 2030, 13645; 21-22 11920, 9765 from 2130; 2230-23 15180, 17665, 9610; 23-2330 17665, 15180, 9610. (via Mrs. Elena Osipova, North American Service, Letters Department.)

VENEZUELA - Active stations: 3275 R. Mara, Maracaibo, 0159-0214 & 0325-0405; 4780 Lv de Carabobo 03-0358*; 4830 R. Tachira, San Cristobal 0048-0110; 4840 R. Valera, Valera 01-0110; 4850 R. Capital, Caracas 0111-0130; 4940 R. Continental, Barinas 0131-02; 4970 R. Rumbos, Caracas 0245-0255; 4980 Ecos del Torbes 0256-0308; 5040 R. Maturin, Maturin 0330-0340; 6010 R. Los Andes Milcuarenta (10400) Merida 0405-0430; 9640 Ecos del Torbes, San Cristobal 2230-2240. (The Radio News, Venezuela via "Onda Corta" Jun 89)

VIETNAM - 6252, 1215, Lai Chau. One of the very few Indo-China regionals audible currently with Viet announcements and local unaccompanied vocal from 1217; fair on 17/5. Even Cao Bang 6574 is currently missing, and haven't heard Bac Thai for months. (Peter Bunn, Melbourne, Australia via OZ DX. No 44, Jun 89) 6574, 1224, Cao Bang, Viet, Country Opera music. At 13 M w/ID then W w/ID and another at 1301 on 5/6. On 9/6 heard them 1354* on 9/6 (bmm)

YUGOSLAVIA - Since 14/5 R. Yugoslavia 12-1230 EE t/Asia, Australia, and the Americas obs. on 25795, 21555 & 17740 instead of 15380, 15325 & 11735. The 21-2130 in EE obs. on 15105, 9620. (WBI 26/5)

CLANDESTINE - Glenn Hauser contrary to reports on 17740 still hears the Afghanistān Clandestine on 17540 but very distorted at 0155. (via GH on RCI's SWLD 16/6) Radio Farabundo Marti was observed on 4/5 from 1210 to 1315 on a frequency varying between 6690 and 6715. (WBI 2/6) Radio Iran Toilers: (Farsi: Injo Radio Zamkmate shagne Iran), the pro-communist station hostile to the Iranian government, broadcasts via the facilities of Radio Afghanistan, and has this schedule: 0230-0330 and 1530-1730 on 4775, 6230, and 10870. The 10870 channel is very feeble, and from this part of the world 4775 provides very reliable signals. At 1730, 4775 switches over to Radio Afghanistan's External Service programmes. (Supratik Sanatani, Aligarh, India via OZ DX No. 44, June 89) and Radio Iran Toilers, (Run by the Iranian Tudeh Party and operates from transmitters in Afghanistan) New programme schedule announced in Persian at 0230 on 21/5: Dear listeners and distinguished compatriots. After receiving your suggestions from you our listeners, and in keeping with our previous promise, from next week changes will

be made to some of our daily programmes. We hope these will meet your suggestions to some extent and improve the programmes in general. We will now inform you of the framework of these changes: There will be no change to our programmes on Saturdays and Sundays: on Saturdays, after the news, you can listen to the political commentary of the week and the art and literature programme. On Sundays, after the news and political commentaries, you will hear the programme "We and the Listeners".

On Mon & Fri, instead of the separate programmes for tribal groups, peasants, the armed forces, women and youth, we will present a programme by the name of "The Life of the People, the Problems of the People". In that programme we will try to reflect the issues, problems, struggles, needs and views of these groups.

On Tuesdays, we will present a new special programme called "With the Media, Associations and Parties", which will consist of a review of Iranian issues as reflected in the press, broadcasts and publications affiliated to different political circles and forces. In the concluding section of Friday's programmes, will broadcast reports and material about various political, social, cultural and scientific events in the world under the name of "What is Happening in the World?" On Fridays, we will also present a brief programme summary for the following week. And throughout the week, when necessary, we will mark important occasions during the course of talks and commentaries.

The special programme for political prisoners and about the national tragedy of mass killings in prisons, and also the special programme for works, will remain in their slots on Wednesdays and Thursdays respectively.

Material from the publications of Iran's Tudeh Party will henceforth be broadcast on Sundays, Tuesdays and Thursdays. And material and documents pertaining to Iran's Fedai'yan-e Khalq organisation, majority wing, will be broadcast on Saturdays, Mondays and Wednesdays.

Dear listeners, the new radio programme format will be implemented from next week. We invite you to send us your views about the changes as well as further suggestions. Radio Iran Toilers draws its strength from you, dear compatriots and listeners, and will become better as a result of your critical and constructive views. Please assist us in the regard. (WBI 26/5) Radio Patria Libre: "Powerful" ELN station discovered; monitoring observations. Excerpts of report from Inravision TV channel 1, Bogota, in Spanish 0000 gmt 20/5: A powerful ELN (Army of National Liberation) clandestine radio station with trained announcers and correspondents was discovered during the last 24 hours..

Radio Patria Libre has broadcast 91 news bulletins so far and it is believed that the radio station is located in the mountains of Santander. The news refers to all aspects of our nation, has eight announcers, and, like any news, it features headlines. The news reports are interspersed with latest songs, but the lyrics are replaced with revolutionary words. The radio station has correspondents in all the municipalities and cities throughout the country, and they are identified by name.

(Reporter) Radio Patria Libre has been on the air since last year. Our monitoring station began to hear it on 3/11 1988. They announced to the country's news agencies that they would be on the air by the end of October, so they have been on the air since then.

Each of Radio Patria Libre's broadcasts summaries the activities and policies to be carried out by the ELN in reaction to the government's activities.

Monitoring observations 23/5: On 23rd May, Radio Patria Libre was observed broadcasting in Spanish on 6755 kHz from 0037-0109 gmt. The radio announced daily transmissions on 6760 kHz, starting at 0030 gmt, and identified itself as "Radio Patria Libre, a voice of the new Colombia" and said it was "a voice for the Camilist Union - Army of National Liberation". (WBI 26/5) Radio Venceremos: Heard between approximately 1225 tune-in and 1300 gmt on a frequency varying between 6610 and 6660 kHz. A parallel transmission was observed on 6828 kHz. (WBI 2/6) Voice of the People of Kurdistan: Voice of the People of Kurdistan was heard on 5/6 from 16-17 on a frequency varying between 4300 and 4340 with a broadcast in Kurdish and Arabic. The Arabic segment was observed to begin at 1640. Overwhelming interference forced the station to change frequency every few seconds, with the result that only a few words were heard at a time. The radio was heard to indicate that its evening broadcast is repeated at 0700 Baghdad time (0300 gmt) the next day. Programmes are hostile to the

Iraqi government. (WBI 9/6) 9270, *1500, October Storm, CC, "Internationale" was played to 1502 and M w/ID 3 times "Shu Yeh Fang Ba" (ID as in "Clandestine News" edited by Mathias Kropf in DSWCI News, Mar 89), and then M w/talk. Noisy conditions prevented any possible tape for interpretation. At 1506 a couple bars of the "Internationale" & 1507*. Poor on 6/16 (bmm) 9700, 0502, A Voz Da Resistencia Do Galo Negro, PP, Anthem mixing with DW co-channel. Heard partial ID "Galo Negro". At 0504 Choir singing. At 0510 M said something about Angola, mentioned UNITA, and Luanda. At 0520 M w/World News. Around 0522 "Viva ... Nacional" then gave ID & 0524 more news mentioning China & Hong Kong. Lost to extreme QRM from station on 9705 at 0541 on 6/11 & on 6/15 IS then Rooster crowing under co-channel VOA in PP. This a couple of times & M probably w/ID. VOA 0500* then DW signs on in EE co-channel. (bmm).

PROPAGATION REPORT - WWV with Prop Report at 0545 on 8/6. Probably running daily but didn't check again until 18/6. Also 0745 & probably 0645 (but didn't check that time). (bmm)

PIRATE RADIO - All via Andrew Yoder, PA: Free Radio One: 7415, 0152-0158 on 26/5; 0128-0216* on 28/5; 0158-0159* on 2/6. Relays R. Free America Talk Show. W gives address as 3434 N. Pacific Highway, Medford, OR 97501. Radio Clandestine: 7355 0339-0353*. Usual right show w/comedy music & skits. UFO locator test w/new side effects & song "Huggin My Toilet" on 17/5. WBRI: 7480, 0404-0505*, WBRI. Had a special reggae show then a country music program. This one is mainly music and short comments by M. Weird IS tape at end. WCPR: 7480, 2233-2305*. DJ Mr. Magoo gave (201)-888-7050 phone number for QSLs. Relay of "Roy Masters' Show" on 21/5. Also 27-28/5, 2358-0140+. Lots of technical problems (feedback, relays of NYC FM Stns). Music by Stryper. Relay of "Saturday Nite Alive" program & 201-525-7960 for QSL. WENJ: 7415, 1818-1835* on 20/5. Jack Beane testing new Yaesu transmitter. Gave 201-525-7960 for QSLs. 7491 on 5/21, 2234-2259*. Usual oldies show. Calls from NY, CT, & Ontario. Talk bout ENJ interview in the "ACE". 7480, 2008-2222* on 27/5. Fun member day program w/lotsa calls. Gave tips for WCPR & WKND. Address: 3007R 4th Ave, Beaver Falls, PA 15010. 7415, 2203-2250+ on 28/5. Calls from Ontario, NY, CT, PA, VA, etc, and on 3/6 2159-2214+, usual Jack Beane said problems w/WKZP last week were accidental. WKND: 6240, 0301-0346* on 28/5. Big Ed & Radio Animal w/odd mix of music by 'New Edition', Duran Duran, and Vinnie Vincent. Fun Show. They sound like a good college station, na don 30/5, 0054-0121+. Sounded like same tape as 28/5, but not sure as I was on the phone. Beave Falls, PA address for QSLs. WKZP: 7415, 2146-2230* on 7/5. 70's metal music (Van Haeln, Ted Nugent, Lynyrd Skynyrd) w/comedy ads. Nice show. QSLs to Beaver Falls Address, and 0311-0315* on 20/5 "Toys in the Attic" by Aerosmith. Transmitter crashed and is fixed now. WNBC Relay: 1620, 0306-0452+. Pieces of WNBC's last day on air with Beatle music. Tape play 2 times. Funny, this tribute on Memorial Day. Wonder if this came from WHOT guys? UK 97.4 Relay: 7415, 0310-0321* on 4/6. Pop music. Ad for fireplaces, "James Brady from Merseyside" won a contest. M w/UK accent DJ & ID'd as "Superpower 97.4". Definitely a NA relay.

LAST MINUTE ITEM(S): GUAM - AWR-Asia releases new style QSL and Pennant: A new blue and white QSL card and a new pennant will be available to AWR-Asia listeners beginning June 15, 1989, according to Greg Scott, program director. The Adventist World Radio name and logo are shown in various configurations on the front of the QSL card. The new design is unique because the logo and name are also stickers that peel off--seven of them altogether. In addition to space for reception report confirmation on the back, there is a listing of the four AWR stations and their addresses. (via excerpts of AWR-Asia News Release) CUBA - 17955, 2348, RHC. 3x5985. Weak but clear//11970 on 14/5. (Terry Palmersheim, MN via 'Fine Tuning' #521 dated 7/6). Checked 5985 at 0351 on 6/20 and RHC in SS over WYFR in EE//11950, 11970, but nothing on listed 11725. Didn't check 9550 but had heard them over TWR Swaziland at 0358 on 5/6. (See Cuba Sked) (bmm) DPR KOREA - Radio Pyongyang to Europe at 15 & 17 in EE on 11760NF. At 15 co-channel Seychelles & Cuba. (Ed LaCrosse, CA via GH on RCI's SWLD 16/6) Mexico - 6104.6, 0446, XEQM. Various music, ID 04458 over soft paino music: "XEQM, 1240 kHz, XEQM en la banda de 49 metros (garbled) kHz, transmite (desde) Merida, Yucatan, (garbled) Sistema Radio Yucatan." 2nd ID 00500, XE NA & 0502*. (Alan Laves, TX via Fine Tuning #521, dated 7/6) Note: GH told me on 20/6 he's added another time for "WOR" on WRNO. Its at 0030 UTC Thursday on 7355. Would appreciate reports. (bmm) Well hope you're enjoying me doing LN. It's a tough act to follow! 73's, Bruce



QSL REPORT



Please send all reports to:
Sam Barto, QSL Editor
47 Prospect Place
Bristol, CT 06010 USA

- ABU DHABI:** QAE Radio 11965 f/d cd. w/ sked. in 21 ds. for 2 IRCs. v/s Ahmed A. Shouly, Director, (Brouillette-IL).
- ANTIGUA:** HBC 5975 f/d ltr. in 20 ds. for SASE. v/s G. Hoefs. (Blight-MD). same in 17 ds. (Connor-PA).
- ASIATIC RUSSIA:** Radio Moscow 9580 via Blagoveschensk f/d cd. in 45 ds. (Paszkiwicz). 9875 via Irkutsk f/d cd. in 3 mo. (Barto-CT). 9780 via Nikolayevsk-on-Amur f/d cd. in 2 mo. (Rugg-QUE). 9875 via Khabarovsk f/d cd. in 2 mo. (Barto). 9705 via Vladivostok f/d cd. in 2½ mo. (Barto). same in 70 ds. (Renfrew-NY). 5960 f/d cd. in 40 ds. (Hart-FL)
- AUSTRALIA:** VLO9 9660 and VLO4 4920 f/d cds. in 7 wks. for 1 IRC. (Renfrew). VNS 5000 f/d cd. for the new Llandilo site in 13 ds. for \$1.00. v/s Ms. Marion Leiba. (Wilkins-CO).
- AUSTRIA:** Radio Canada International 11730 via RAI f/d cd. in 1 mo. for Ms. (Renfrew). f/d * cd. in 15 ds. (Weber-OH). prepared RCI cd. in 10 ds. w/ schedule. (Rigas-IL). f/d cd. in 1 mo. (Barto). Radio Austria International 9875 f/d "Styrian Costume" cd. in 28 ds. for 1 IRC. (Brouillette). 11780 cd. w/ sked. in 7 wks. for 1 IRC. (Klinck). 13730 f/d "Gail Valley" cd. in 44 ds. (Levison-PA). (Davis-NM).
- AZAD KASHMIR:** Azad Kashmir Radio 4790 p/d ltr. in 48 ds. after a f/up rpt. for 3 IRCs.
- BELGIUM:** BRT ltr. in 5 mo. for a taped rpt. Freq? (Huniwell-NJ). ME)
- BELIZE:** Radio Belize 3285 f/d "Map" cd. in 63 ds. for a taped rpt. and \$1.00. (Washburn-BONAIRE: Trans World Radio 15345 f/d cd. in 23 ds. w/ calendar for \$1.00. v/s Sally Rork. (Rugg). 11930 and 9535 f/d "25th Anniversary" cd. w/ sked. and stickers in 28 ds. for 2 IRCs. v/s Kristin Shaw. (Carson-OK). 15345 f/d cd. in 14 ds. for 3 IRCs. Very nice folks at this station. (Calligan). Radio Nederland 21685 f/d cd. in 42 ds. (Carson).
- BOLIVIA:** Radio Panamerica 6105.5 f/d "Map" cd. in 17 ds. for a SP rpt., ms. and a taped rpt. v/s Daniel Sanchez Rocha, Director. (Eckert-PA). Radio La Cruz del Sur 4875 p/d ltr. in 35 ds. for a SP rpt. and \$1.00. v/s Pastor Rodolfo Moya J., Director. (Paszkiwicz). f/d prepared cd. in 3 mo. for a SP rpt. and ms. Tnx to Archer for v/s. (Atkins-AL)...Have to brush up on my spelling...Sam.
- BRASIL:** Swiss Radio International 17730 via RadioBras f/d cd. in 23 ds. for 1 IRC. (Hazzard-PA). Radiodifusora Acreana 4880 p/d ltr. in 70 ds. after a f/up rpt. in PT w/ ms. v/s Joao Marques de Almeida Filho. (Paszkiwicz). Radio Rio Mar ZYE245 9695 p/d "Map" cd. in 3 wks. for a PT rpt. and ms. (Palmerheim-MN). Radio Nacional da Amazonia 11780 f/d ltr. in 24 ds. for \$1.00. v/s Lucia Emilia Mendes Fernandes, Station Manager. She has been at this station since 1987. (Weber-OH). (Carson-OK).
- BULGARIA:** Radio Sofia 7115 f/d cd. w/ stamps and station pennant in 53 ds. for 2 IRCs.
- BYELORUSSIAN SSR:** Radio Moscow 15320 via Orsha f/d cd. in 2 mo. (Barto). 11745 via Minsk f/d cd. w/ schedule in 2½ mo. (Barto-CT).
- CANADA:** Radio Beijing 11840 via RCI f/d cd. in 40 ds. (Renfrew). f/d "Temple of Heaven" * cd. in 6 wks. for a taped rpt. (Huniwell). CKZU 6160 p/d "CBC Centre" cd. in 13 ds. for ms. (Hoffman-PA). Radio Austria International 6015 via RCI f/d cd. w/ site in 1 mo. (Renfrew). CPCX 6005 f/d cd. in 55 ds. for \$1.00. (Hazzard). CHU 7335 f/d "Fleming" cd. in 39 ds. (Lane-IL).

CAPE VERDE ISLANDS: Emissora Oficial de Cabo Verde

7155 f/d prepared cd. in 50 ds. after several f/up rpts. for a 1983 reception. v/s Carlos Conrvels. (Rigas).

* Radio Voz de Sao Vicente 3930 f/d prepared cd. in 50 ds. for a 1985 reception. v/s same as above. (Rigas)

CENTRAL AFRICAN REP: Radio Centrafri-caine 5035 f/d "Map" cd. in 36 ds. for a taped rpt., \$1.00 and ms. I sent a FR rpt. via registered mail and rcvd. a ltr. back from Michel Bata in FR. If you can translate in FR, please write me at P.O. Box 6527, Baltimore, MD. 21219-0527. (Blight).

CHAD: Radio Moundou 5286 p/d ltr. in 5 mo. for a FR rpt. and ms. v/s Maimos Jacques. (Lare-MI).

CONFIRMED ALL
TRANS WORLD RADIO
SHORTWAVE TRANSMITTER SITES

awarded to: John M. Wilkins
Wheat Ridge, Colorado, U.S.A.

recognizing the achievement of hearing, reporting and having confirmed by
QSL Card or Letter of Confirmation ALL of
THE TRANS WORLD RADIO
SHORTWAVE TRANSMITTER SITES:

1. Hance Carlo, Monaco. 2. Bonaire, Netherlands Antilles.
3. Omeiland, Africa. 4. Oman, U.S. Sri Lanka. *and 5. Bonaire, GUYANA.*

Additional endorsements of confirmed sites are: MI

Certificate No. 655 Date 17 May 1987

Jack Samuel Transworld Coordinator, Bonaire
Signature, position, place
Sam Barto Director, TWR - Bonaire, P.A.
Signature, position, place

NOTES: Jerry Klinck says that he has been out of DXing for 22 years but he is very glad to be back. John Carson in OK. used the SPEEDX report forms for reporting to this Column. We'll take reports on just about anything...Sam. Mike Healey says that his recent QSL from Damascus came via certified mail. He had to go to the PO and sign for it. A lot of us would like to sign for that one!...Sam. John Wilkins is looking for a good address for La Voz de la Resistencia Chilena. Any ideas? Ron Howard has been getting a bit more active in the hobby especially after Tonga came on the air. Rich Davis makes a good point in the Azad Kashmir country counting controversy. The name of the station is Azad Kashmir just as Vatican Radio really doesn't transmit from the Vatican. Maybe it should be counted on traditional grounds?...Sam.

CHILE: Radio Santa Maria CP603 6029.6 f/d cd. in 2 mo. for a SP rpt. (Barto-CT).
CHINA, PEOPLES REPUBLIC OF: Red Cross Broadcasting Service 15135 via Kunming and 11695 via Beijing cd. w/ schedule and sticker in 3 mo. (Barto). Radio Canada International 11955 via Xian f/d prepared cd. in 10 ds. (Rigas). Xinjiang PMS 5800 f/d ltr. in 60 ds. direct from the station. v/s Guo Ying. (Eckert). Radio Beijing 11715 f/d cd. w/ papercuts and schedule in 23 ds. (Hart-FL). (Mail????). Changsha PMS 4990 f/d cd. in 2 1/2 mo. (Barto-CT). Guangxi PMS 5050 f/d cd. in 3 mo. (Barto). CPMS 15030 f/d "Great Wall" cd. in 23 ds. (Lev-CLANDESTINE: La Voix du Sahara Libre 15215.3 via RIVA f/d cd. in 5 wks. for a (ison-PA). FR rpt. and 1 IRC. (Palmerheim). La Voz de Alpha 66 6666 p/d ltr. in 232 ds. for an SASE. v/s Dr. Diego A. Medina. (D'Angelo-PA). f/d cd. in 11 mo. for SASE after a f/up rpt. (Renfrew). 6666.5 2 different f/d cds., both prepared, in 12 ds. for a SP rpt. and SASE. (Kus-alk-ALB). Voice of the National Army of Democratic Kampuchea 5408 prepared cd. in 21 ds. for a rpt. to the New York address along w/ ms. v/s Song Theng, Third Secretary. (Wilkins) * Voice of Democratic Kampuchea 9440 f/d prepared cd. in 2 wks. for ms. same v/s as above. * (Palmerheim). Radio Venceremos 3458 and 6638 f/d prepared cd. in 22 ds. for \$1.00. v/s Anita Ocampo. Addr: El Salvador Media Project, 335 West 38th St., 5th Floor, New York, NY 10018. Tele: (212) 714-9118. (D'Angelo)...Tx for the data Rich...Sam.
COLOMBIA: Radio Nueva Vida 5567 p/d ltr. in 2 mo. for a SP rpt. and \$1.00. v/s Marco Antonio Calcedo O. (Paszkiwicz). La Voz del Cinaruco HUIZ 4865 f/d prepared cd. w/ n/d large map style cd. in 2 mo. for a SP rpt., ms. and after 3 f/up rpts. v/s Efrahim Varela. Also rcvd. sticker and 20th anniversary station pennant. (Palmerheim).
COSTA RICA: Radio Impacto 5030 f/d ltr. w/ pennant in 70 ds. for a SP rpt. and ms. This was on my second try. v/s Hector Requena C., Asesor General. (Rugg-QUE). Radio For Peace International 25945 f/d "Dove" cd. w/ schedule in 37 ds. for \$1.00. (Hart). f/d cd. in 42 ds. for 1 IRC. (Hazzard). United Nations Radio 21600 via RPTI blue UN cd. w/ schedule in 1 mo. (Eckman-CA). Radio Reioj 6006 p/d cd. in 55 ds. for a SP rpt. and \$1.00. (Connor-PA)
CUBA: Radio Habana Cuba 9655 and 6140 f/d cd. w/ schedule in 140 ds. (Connor). Radio Moscow 11840 and 6000 via Habana f/d cd. in 2 mo. (Barto). same in 3 mo. (Barto-CT).
CYPRUS, TURKISH REPUBLIC OF NORTHERN: Radio Bayrak 6278 f/d w/ prepared cd. and a ltr. * in 1 mo. for a 1979 reception. This was on my 3rd try. v/s D. Ozer Berkam, Director General. (Kusalik-ALB).
CZECHOSLOVAKIA: Time Station OUB5 3170 f/d "Observatory" cd. in 4 1/2 mo. (Huniwell). Radio Praha 11990 f/d "Huboka Chateau" cd. in 39 ds. (Levison). f/d cd. in 46 ds. (Klinck). 7345 f/d "Aerial View of Svihov Castle" cd. in 72 ds. (Carson-OK).

THE VOICE OF ETHIOPIA

Dear Mr. Krim WM. Field,

Ethio Q.S.L card confirms that
 you were listening to the Voice of
 Ethiopian on :

DATE Feb. 5/89 from 18:30 GMT
 Mb KHz 9660

Thank you for your interest

AUDIENCE RELATIONS DEPT.

DENMARK: Radio Denmark 25850 f/d cd. in 2 wks. Handwritten note stated that as of 6/89 no more QSL cards will be issued by the station. (Renfrew-NY).

DJIBOUTI: Radiodiffusion Television de Djibouti 4780 p/d "Logo" cd. in 20 ds. for a FR rpt. and ms. (D'Angelo-PA).

DUBAI: UAE Radio Dubai 15300, 11730, 21605, 17865, 15435 and 11955 f/d cd. w/ pennant in 5 wks. (Barto). 21605 and 13605 same in 28 ds. w/ schedule and pennant. (Levison-PA) 17865 cd. w/ pennant and schedule in 2 mo. (Barto).

ECUADOR: HCJB 3220 f/d "Stamps" cd. in 52 ds. for a taped rpt. (Blight). 15155, 11775, * 9745 and 9720 same cd. w/ sked. in 27 ds. for 2 IRCs. (Brouillette). **Radio Interocenia** 4840 prepared cd. w/ ltr. and sticker in 86 ds. for a SP rpt. and ms. v/s Walther Manzo B., Director. (Wilkins). **Radio Paz y Bien** f/d prepared cd. in 6½ mo. for a SP rpt. and ms. (Huniwell-NJ).

EGYPT: Radio Cairo 9475 f/d cd. in 8 mo. (Hazzard-PA).

ENGLAND: Spectrum Leisure Communications 25796.4 f/d ltr. w/ personal ltr. and information sheet in 5 wks. for 2 IRCs. v/s Mark Thyme, Station Manager. (Palmerheim-MN).

ESTONIAN SSR: Radio Tallinn 5925 f/d cd. w/ pennant in 3½ mo. (Eckert-PA).

ETHIOPIA: Voice of Ethiopia 9660 f/d yellow cd. in 3 mo. for 2 IRCs and ms. (Wallace-MA).

EUROPEAN RUSSIA: Radio Moscow 15540 via **Yazan** f/d cd. in 56 ds. (Hazzard). f/d cd. in 70 ds. (Renfrew). **RIZ70** 9320 and **RAM76** 6890 **Radio Moscow** f/d cds. in 3 mo. for USB transmission in RS. (Barto). 21680 via **Armavir** cd. in 3 mo. (Barto). cd. in 2½ mo. (Barto). 15560, 15150 and 15500 via **Moscow** f/d cds. in 2½ mo. (Barto). 15420 via **Zhigulevsk** f/d cd. in 2 mo. (Barto). 15530 and 11900 via **Serpukhov** f/d cds. in 2 mo. (Barto). 15490 via **Tula** cds. in 2 mo. (Barto). 6055 via **Kazan** cd. in 2½ mo. (Barto). **RU074** 18402 via **Lenin-grad** and **RNG26** 18870 via **Moscow** f/d **Radio Moscow** cds. in 2½ mo. for USB transmission in RS (Barto-CT). **RMD51** 7695 **Radio Moscow** f/d cd. in 2½ mo. for USB transmission in SP. (Barto). **Radio Moscow** 18195 via **Moscow** f/d cd. in 60 ds. for USB transmission. (Rigas).

FERNANDO POO: Radio Nacional Malabo 6250 f/d prepared cd. w/ ltr. in 51 ds. for ms. v/s Cipriano Somori Snakin. (Rigas-IL). (Blight-MD).

FRANCE: RFI 17795 f/d cd. in 7 wks. (Klinck). 17720 and 15365 cd. in 28 ds. for \$1.00.

FRENCH GUIANA: Radio Beijing 11695 and 13685 f/d cd. in 2 mo. (Renfrew-NY).

GABON: Swiss Radio International 12035 f/d cd. in 4 mo. for a taped rpt. and ms. (Huniwell). same in 19 ds. for a taped rpt. and 1 IRC. (Klinck). **Red Cross Broadcasting Service** 12035 f/d cd. w/ sticker and schedule in 3 mo. (Barto). **Radiodiffusion Television Gabon** 4777 f/d cd. in 2 mo. for a FR rpt. and ms. (Rugg-QUE). (Atkins-AL).

GALAPAGOS ISLANDS: La Voz de Galapagos 4810.4 p/d cd. in 5 wks. for a SP rpt. and \$1.00.

GEORGIAN SSR: Radio Moscow 21725 via **Tbilisi** f/d cd. in 2 mo. (Barto). same in 2 mo. (Rugg) cd. in 2½ mo. (Barto). 17570 f/d cd. in 60 ds. (Rigas). 11980 f/d cd. w/ personal ltr. in 38 ds. v/s Mrs. Eugenia Stepanova. (Weber-OH).

GERMAN DEMOCRATIC REP: RFI 11785 f/d cd. in 3 wks. for 1 IRC. (Carson). f/d "Potsdam" cd. in 93 ds. w/ sked. (Levison). 15240 f/d cd. w/ sked. in 2 mo. (Klinck). 21540 f/d cd. in 87 ds. (Levison). **Stimme der DDR** 6115 p/d "Marx Engels Bridge" cd. in 24 ds. (Weber). same w/ sked. and pennant in 91 ds. (D'Angelo-PA).

GERMANY, FEDERAL REPUBLIC OF: Radio Liberty 21455 via **Lampertheim** f/d cd. in 9 ds. for ms. (Hazzard). **Deutsche Welle** 15185 via **Julich** n/d cd. w/ ltr. in 5 mo. (Barto-CT).

GREECE: Voice of Greece 11645, 9905 and 15630 f/d "Santorini Island" cd. w/ sked. in 2 mo. (Barto). 11645 2 f/d cds. w/ sked. in 14 wks. (Klinck). **ERT Thessaloniki** 9935 and 11595 f/d cd. in 192 ds. for \$1.00. v/s A. Giannakouras. (Wakisaka-MD).

GREENLAND: Gronlands Radio 3999 p/d "Studio Building" cd. in 3½ mo. for a registered rpt. tape and ms. v/s Henrik Jorgensen. (Wallace-MA). p/d cd. in 66 ds. after a f/up rpt. for ms. (Paszkievich-WI).

GUAM: KTWR 11805 f/d cd. in 38 ds. for an SASE. (Blight). f/d cd. w/ sked. in 5 wks. for 2 IRCs. v/s Sharon Cummings. (Klinck).

"LA VOIX DU SAHEL"
OFFICE DE RADIODIFFUSION - TELEVISION
DE LA REPUBLIQUE DU NIGER

N° D'ENREGISTREMENT STUDIO C

23/01/13 - SUDANHE - 05.45 a 07.00 h

flavieuse KRIS Wm FIELE
usa Bu-Alyan kara ABILEC Pa HADE
Date d'enregistrement: 23/01/13 - SUDANHE - 05.45 a 07.00 h
Lieu d'enregistrement: Bu-Alyan k. HADJALTE

23/01/13 - SP CAMPONE - entre 05.45 a 07.00 h

AVIC ANNONCE	IL S'AGIT D' PROMOTION D'UN PRODUIT
-----------------	---

Passer à l'antenne W. G. HADJALTE
Généraliste: OC 100KUR

GUATEMALA: Radio Tezulutlan 4835 f/d cd. in 7 mo. for a SP rpt. tape and ms. Personal ltr. rcvd. from Antonio Jacobs, Director. (Eckert).

GUYANA: Guyana Broadcasting Corporation 5950 f/d prepared cd. w/ ltr. in 45 ds. after a f/up rpt. for ms. v/s Roy Marshall, Technician. Also sent along station stickers which seemed to do the trick. (Weber-OH). (Connor).

HAWAII: WNVH 15000 p/d "Aloha" cd. in 12 ds.

HONDURAS: HRVC 4820 p/d cd. w/ ltr. and pennant in 21 ds. for \$1.00. (Connor-PA).

HONG KONG: VPS60 13020.4 f/d ltr. in 1 mo. v/s K.C. Choi. (Lare-MI). **VPS80** 17096 f/d ltr. in 6 wks. v/s W.S. Kong. (Barto-CT).

HUNGARY: Radio Budapest 9835 f/d "Riverfront" cd. in 32 ds. (Weber-OH).

INDIA: All India Radio 11620 p/d cd. in 1 mo. for 1 IRC. (Klinck).



INDIA: All India Radio 11620, 9550, 7265 and 7412 via **Delhi** and 9910 via **Aliqarh** p/d "Victory Tower at Chittorgarh" cd. in 7 wks.(Barto-CT).

INTERNATIONAL WATERS: World Mission Radio 6215 via **Radio Caroline** f/d "Cathedral" cd. in 4 mo. for \$2.00.(Wallace). **Radio Caroline** 6210 f/d cd. w/ personal ltr. in 3 mo.(Barto-CT).

ITALY: Adventist World Radio 7257 via **Forli** f/d cd. in 2 mo. for \$1.00.(Atkins). f/d "Map" cd. w/ sked. and pennant in 6 wks. for a taped rpt.(Huniwell-NJ). **RAI** 9575 p/d cd. in 14 wks.(Klinck). **Italian Radio**

* **Relay Service** 7160 f/d cd. in 112 ds.(Rigas-IL). **IRAN: IRIB** 9022 Only rcvd. a schedule in return for 2 rpts. since 1986. Package arrived via USPS marked "damaged by USPS". This reminds me of my 3 year battle w/ Kuwait. I never knew DXing could be so exasperating!!! Hi! (Wallace-MA)...Welcome to the club...Sam.

JAPAN: Radio Canada International 11705 f/d cd. in 5 wks. for ms.(Renfrew). 9595 via **NSB** f/d cd. in 2 wks.(Wallace). **Radio Japan** 17825 f/d cd. w/ sked. in 5 wks.(Klinck). (Atkins-AL).

JAVA: RRI Yogyakarta 5046 f/d cd. in 6 wks. for an IN rpt. and ms.

KOREA, REPUBLIC OF: Radio Korea 15575 f/d cd. in 34 ds.(Hazzard). f/d "Chosun Dynasty" cd. w/ sticker and pennant in 38 ds.(Carson).

LIBYA: Radio Jamshiriya 15450 f/d cd. in 70 ds. for a taped rpt. and 1 IRC.(Hazzard-PA).

LITHUANIAN SSR: Radio Vilnius 6100 via **Kaunas** f/d cd. w/ site.(Rigas-IL). (D'Angelo-PA).

MALAWI: MBC 5995 f/d prepared cd. in 130 ds. for ms. after a f/up rpt. v/s Henry Chirwa.

MALAYSIA: Voice of Malaysia 15295 p/d ltr. in 10 mo. after a f/up rpt. for ms. v/s Mohd. Safian Bin Abdul Ghani, Controller.(Atkins).

MALI: Radio Beijing 11715 f/d cd. in 3 wks.(Klinck).

MANCHURIA: Hulunbeier PBS 3900 f/d cd. in 2½ mo.(Barto-CT). (Weber-OH).

MAURITANIA: Radiodiffusion Mauritanie 4845 p/d cd. in 39 ds. for a FR/EG rpt. and \$1.00.

MEXICO: XELM 6020 p/d ltr. w/ beautiful pennant in 4½ mo. for a SP rpt, tape and ms.

Also rcvd. sked. v/s Ing. Baltazar Pazos de la Torre, Director General.(Huniwell-NJ). f/d ltr. w/ pennant in 1 mo. for a SP rpt. and ms.(Renfrew). **XEWN La Voz de America Latina** 6165 f/d prepared cd. w/ p/d ltr. in 7 wks. after 6 tries for a SP rpt., ms.

* and \$1.00. v/s Ing. Miguel Angel Barrientos Valadez P. (Palmerheim). **XEXQ Radio Universidad de San Luis Potosi** f/d prepared cd. w/ ltr., stickers and poster in 63 ds. for a SP rpt. and \$1.00. v/s Manuel Carrillo Grageda, Director General.(Wilkins-CO).

XEJN Radio Huayacocotla 2390 f/d prepared cd. w/ p/d ltr. and station photo via registered mail in 7 wks. after 6 tries for a SP rpt. and ms. v/s Elvira Sanchez Alvarez. (Palmerheim-MN)...Can't remember so many Mexican QSLs before...Sam.

MONACO: Trans World Radio f/d cd. w/ pennant in 3 mo. for ms.(Huniwell). 9485 f/d "Map" cd. in 84 ds. for \$1.00. v/s Mrs. Lesley Pettinger, DX coordinator.(Washburn-ME).

MOROCCO: Radiodiffusion Television Marocaine 15330 f/d cd. in 3 mo. for 2 IRCs.(Renfrew). 15335 f/d cd. in 4 mo. for a FR rpt. tape and ms. Took me 15 years to QSL!(Huniwell).

NEW ZEALAND: Radio New Zealand International 15150 f/d blue pennant cd. in 18 ds. v/s Rudi Hill, Manager.(Carson-OK).

NIGER: La Voix du Sahel 5020 f/d paper cd. in 19 ds. after a f/up rpt. in EG/FR. v/s Ya-couba Alwali. (Weber). f/d cd. in 89 ds. for a FR rpt., tape and \$1.00.(Washburn-ME).

NORWAY: Radio Norway International 17780 f/d cd. in 2 wks.(Klinck).

PAKISTAN: Radio Pakistan 21740 f/d cd. in 46 ds.(Terrence).

PAPUA NEW GUINEA: Radio Enga 2410 f/d "Map/Logo" cd. in 326 ds. for ms.(Cones-VA).

PARAGUAY: Radio Nacional 9735 p/d form ltr. in 45 ds. for a SP rpt., tape and \$1.00. v/s Carlos Montaner.(Hazzard). n/d ltr. in 8½ mo. for a SP rpt. and ms.(Huniwell-NJ).

PERU: Radio Melodia 5974 f/d folding "Map" cd. in 81 ds. for a SP rpt. and \$1.00. v/s Hermogenes Delgado Torres, Director-Generente. Letter rcvd. along w/ pennant.(D'Angelo).

Radio Estacion "C" 6323.6 prepared cd. w/ ltr. in 42 ds. for a SP rpt. and \$1.00. v/s Requelmer Centurion Tapia, Relaciones Publicas.(Wilkins-CO).

PORTUGAL: Radio Free Afghanistan 21530 via **Gloria** * f/d cd. in 6 ds. for ms.(Renfrew). **Radio Renascenca** 9680 p/d "Antenna" cd. in 3½ mo. for a PT rpt., tape and ms.(Huniwell-NJ).

ROMANIA: Radio Bucharest 9570 f/d cd. in 13 wks. (Klinck). 17860 f/d cd. w/ schedule and ltr. in 49 ds.(Terrence-NY).

TONGA BROADCASTING COMMISSION

via Kusalik & others



KUKU'ALOFA



SAIPAN: FEBC 15305 f/d "Rainbow" cd. w/ ltr., sked and sticker in 111 ds. for ms. v/s Erma S. Kapileo, QSL Secretary. (Brouillette-IL).

SCOTLAND: Weekend Music Radio 15042.3 ltr. w/ data sheets and paper stickers in 1 mo. for 2 IRCs. v/s Jack Russell. (Sgrulletta-NY).

SEYCHELLES: FERA 11810 f/d "Map" cd. in 38 ds. for \$1.00. v/s D. Dupasse, QSL Secretary. (Name?)

SIERRA LEONE: Sierra Leone Broadcasting Service 5980 f/d * prepared cd. after 12 tries for an SASE. v/s Emmanuel B. Ehirim, Project Engineer. (Cones-VA).

SOMALIA: Radio Mogadishu 7200 f/d ltr. in 103 ds. after 6 * yrs. of rpts. for ms. v/s Mahomed Hassan Haad. (Paszkiewicz-WI).

SOUTH AFRICA: Radio Orion 4810 f/d "SABC" cd. w/ sticker and schedule in 55 ds. v/s Helena Boschhoff, Public Relations Officer. (Wakisaka). same w/ ltr. and sticker

* in 21 ds. for \$1.00. (Wilkins-CO). ZUD 5000 f/d cd. in 66 ds. after a f/up rpt. w/ ms. (Rugg). Radio 5 11880 f/d cd. w/ schedule in 24 ds. for 1 IRC. (Connor). f/d cd.

of "SABC/SAUK" in 56 ds. w/ schedule and stickers for 2 IRCs. (Carson). f/d cd. w/ sticker in 1 mo. for 1 IRC. (Renfrew). Radio Suid Afrika 9665 f/d "Tower" cd. in 14 ds. for 4 IRCs. Sticker and schedule were rcvd.

(Carson). Radio RSA 25790 f/d "Cape Town/Table Mtn." cd. in 17 ds. for 3 IRCs. (Name?) 9580, 9615 and 11730 same cd. in 21 ds. (Levison). 21590, 9615 and 21670 f/d "Golden Gate at Highland National Park" cd. in 47 ds. for 2 IRCs. (Carson). 21535 f/d "White Rhinos" cd. in 17 ds. for 1 IRC. (Carson-OK).

SPAIN: Radio Free Afghanistan 17612.5 and 17895 via Playa de Pals cd. in 6 ds. for ms. (Renfrew-NY).

SRI LANKA: Trans World Radio 11920 f/d cd. w/ ltr. in 190 ds. for \$1.00. v/s Hank Zeck, Frequency Coordinator. (Wilkins). f/d ltr. in 4 mo. for 1 IRC. (Renfrew).

SWEDEN: Radio Sweden International 21610 f/d "Anniversary of SCDXers" cd. in 41 ds. w/ schedule. (Carson-OK).

SWITZERLAND: Red Cross Broadcasting Service 9885 p/d cd. in 2 mo. for 1 IRC. (Wallace). 21695, 17830, 15570, 9885 and 6135 via Schwarzenburg and 9725 via Sottens cd. w/ schedule and stickers in 3 mo. (Barto).

SYRIA: Radio Damascus 12085 f/d "Globe" cd. w/ paper flag and sticker in 128 ds. on my 5th rpt. Sent 2 IRCs. (Wilkins-CO). 15095 f/d cd. w/ stickers in 10 mo. for ms. (Hazzard-PA). f/d cd. w/ sticker in 170 ds. for a taped rpt. and 3 IRCs. (Carson-OK).

TADZHIK SSR: Radio Moscow 15140 via Dushanbe cd. in 5 wks. (Barto-CT).

TAIWAN: HSF 15000 f/d "Dr. Sun Yat-Sen's Memorial Hall" cd. in 1 mo. for 2 IRCs. (Lare).

TIBET: Xizang PHS 4035 f/d prepared cd. in CH in 32 ds. for SASE. (Cones-VA).

TONGA: 3AZ 5030 f/d ltr. and a f/d prepared cd. in 28 ds. v/s Tavahe Fusimalohi, General * Manager. First report from Canada! (Kusalik-ALB).

TURKEY: Voice of Turkey 9445 f/d "Embroidered Purses" cd. w/ large cloth pennant in 45 ds. for 3 IRCs. (Carson). f/d cd. w/ stickers and schedule in 7 wks. (Klinck). 9560, 17760, 9685 and 9445 f/d cd. w/ pennant in 3 mo. (Barto). Turkish Police Radio 6340 f/d cd. in 240 ds. (Rigas-IL).



RADIO MOÇAMBIQUE
 (Radio Postal of U. S. Post 894)
 M A P U T O
 M O Ç A M B I Q U E

Temos a prazer de confirmar
 We have pleasure in confirm
 a informação da nossa de dia, 9, 83
 your report on reception of: 9, 83

na Impulsão de
 Frequency 11.820. KHz
 Potência de Emissor: 120 KW.

Observação: Muito agradecemos
 a sua informação de escuta
 da nossa emissão. A fre-
 quência correcta é 11.820

Mts

See

Mr. _____
 Dr. Harold Cones
 2 White Court
 Newport News
 VIRGINIA 023606
 U.S.A.

UKRAINIAN SSR: Radio Kiev 15455 f/d cd. w/ schedule in 59 ds. (Levison). 7400 f/d cd of "Revolution Square" in 68 ds. for 1 IRC. (Carson). Radio Moscow 17820 and 11705 via Kiev f/d cds. in 2 wks. (Barto). 15595 via Lvov f/d cd. in 2 mo. (Barto). f/d cd. in 1½ mo. (Barto). f/d cd. in 56 ds. (Hazzard). 15475 via Simferopol f/d cd. in 56 ds. (Hazzard). 21800, 15475, 9825 and 5980 f/d cds. in 3 mo. (Barto). 15490 via Tula f/d cd. in 2 mo. (Barto). 4860 via Kharkov f/d cd. in 60 ds. (Barto). 15260 f/d cd. in 1½ mo. (Barto-CT).

UKRAINTIAN SSR: Radio Moscow 15525 and 15475 via Vinnitsa f/d cd. in 2 mo. (Barto). 15225 f/d cd. in 2 mo. w/ schedule. (Barto).

NOTES: Received a very nice letter from Don Weber in which he states the value of sending some small tokens with his reception reports such as postage stamps and station stickers. Kris Field says his recent QSL from Ethiopia had Hob Brown next to tears! Glad to talk to you at the Winter SWL Fest in PA...Sam. Bill Sparks says that he hasn't sent out too many reports in the past few years but he couldn't pass up on Tonga. I sure couldn't...Sam. Your editor received a letter from Olga Milyaeva of Radio Moscow in which she stated that 4795 and 4875 couldn't be QSLed because they are home service outlets. I wonder why some DXers are verifying these frequencies?...Sam. John Huniwell seems to see some of the decline in our hobby related to the expense of the USPS and mailing costs. You may be right...Sam. John Squilletta was very happy with his recent QSL from Scotland. John also says that he may start on his Masters this summer. W. Noel Brown in New Zealand says he has been a NASWA member for about 17 years. His DX season is about to start. Thanks for the stickers Noel...Sam.



Ondas Médias - 50 kw - 720 kHz
Ondas Curtas - 49 m - 5.963 kHz
- 23 m - 11.785 kHz

RADIO GUÁIBA

via **Nick Terrence**

Com muito prazer, confirmamos seu relato de recepção.
Muito obrigado.

Thank you for your report of reception. This is to confirm it.
Merci pour votre rapport de réception.
Si conferma, ringraziamo, il rapporto di ricezione.
Gracias por su relato de recepción.

Porto Alegre, 03 de março de 1989.
Rádio Guáiba

RADIO GUÁIBA S.A.

Rua Caldas Junior, 210
90000 - Porto Alegre - RS
Brasil

C. Ribeiro

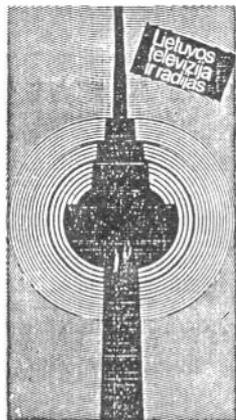
USA: KGEI 9615 f/d cd. in 19 ds. for a SP rpt. and ms. (Hazzard-PA). KVOH 17775 f/d cd. w/ new style stickers in 38 ds. for ms. (Carson). Voice of Free China 5985 via WYFR f/d cd. w/ stickers in 59 ds. (Levison). f/d "Announcers" cd. w/ schedule and stickers in 39 ds. (Levison). f/d "Pavillion * at Tso-ying" cd. w/ stickers in 2 mo. (Levison). W5HH 21700 n/d ltr. in 1 mo. Station wasn't mentioned on QSL: (Renfrew). n/d ltr. in 9 wks. for a taped rpt. and ms. (Huniwell). 11700 p/d ltr. in 15 ds. v/s C.E. Evans. (Rigas-IL).

USA (Pirate): WKZP 7415 f/d paper cd. in 1 mo. (Huniwell-NJ). same in 19 ds. for ms. (Connor). Falling Star Radio 6240 f/d B&W "Logo" cd. in 59 ds. for \$1.00. v/s Al Chandler. (George-NC). n/d cd. in 57 ds. for \$1.00. (Kusalik-ALB). f/d cd. in 65 ds. for SASE. (Wakisaka-MD). 6240.1 f/d ltr. in 5 wks. (Barto-CT). WKND Weekend Music Radio 6240 and 7415 f/d "Voice of the Underdogs of Free Radio" cd. in 26 ds. for SASE. (D'Angelo). 6240 f/d cd. in 12½ wks. for a taped rpt. and ms. 25 watts: (Huniwell). WJDI 1620 f/d ltr. in 10 ds. Addr: Schneider Communications, 358 Turner Rd., West Shokan, NY 12494. (Terrence-NY). Radio Mauser 7490 cd. in 20 ds. for ms. This was for an 86 reception. Addr: P.O. Box 6020, Lawrenceville, NJ 08648. (Gavaras-MN). WENU 6240 QSL in 4 ds. for a report which I phoned in to the station. 40 watt (bares-CT). 6240 and 7415 f/d QSL via above method in 3½ mo. (Huniwell-NJ). 7415.6 f/d cd. in 4 ds. for a phone call. (Blight-MD). 7415 f/d paper cd. in 16 ds. (Connor-PA).

USSR: Radio Moscow 17890 "Bolshoi Theatre" cd. in 66 ds. (Levison). 7115 f/d "Tower" cd. in 51 ds. (Berhent-OH). 9685 f/d cd. in 7 wks. (Klinck). Radio Station Peace and Progress 4795 f/d "Globe" cd. w/o site in 44 ds. (Washburn-ME). 7360 f/d cd. in 1 mo. w/ schedule. (Wallace-MA). f/d cd. in 77 ds. w/ schedule. (Lane-IL). Radio Stancia Rodina 4795 p/d cd. in 78 ds. (Rigas).

VATICAN CITY: Radio Vatican 6150, 9605 and 11780 f/d "Pope John Paul II" cd. in 69 ds. for \$1.00. (Blight-MD). 6250 f/d cd. in 91 ds. (Rugg). 15090 f/d cd. w/ schedule in 64 ds. (Klinck)

VENEZUELA: Radio Valera 4840 p/d large cd. w/ decal in 230 ds. for a SP rpt. and a personalized SWL pennant and ms. v/s Jose Sillinio Perez, Director. (Archer-NC). Radio Tachira 4830 n/d ltr. in 57 ds. for a SP rpt. and SASE. v/s Eleazar Silva M., Coordinador General. (Moore-OH).



RADIO TASHKENT



BRITISH EAST MEDITERRANEAN RELAY STATION

P.O. Box 219 LIMASSOL CYPRUS

BBC



CONTINUING YOUR REPORT Ernest S. Behr - CANADA

DATE	G.M.T.	FREQUENCY	AERIAL	POWER
27.1.83	21.00	6180KHz	CURTAIN	250 KW

VENEZUELA: Radio Tachira 4830 ltr. in 45 ds. for a SP rpt. (Terrence). Radio Capital 4850 f/d cd. in 33 ds. for a SP rpt., tape and 2 IRCs. (Turnick-PA). f/d cd. in 98 ds. for a SP rpt. and \$1.00. v/s Rosy Alvarez, Gerente de Produccion. (Wakisaka). Radio Maturin p/d ltr. w/ prepared cd. in 6 wks. for a SP rpt. and ms. (Huniwell). Radio Rumbos 4970 f/d cd. in 314 ds. for a SP rpt. and ms. Rcvd. a Radio Australia sticker! (Eckman). Radio Los Andes Mil Cuarenta YVSB 6010.5 prepared cd. w/ sticker in 5 wks. for a SP rpt. and ms. v/s Angel Marquez. (Wilkins). 6010.6 f/d prepared cd.

in 3½ mo. for a SP rpt. Stickers rcvd. (Palmerheim). Radio Nacional de Venezuela 9540 cd. w/ ltr. and stickers in 4 mo. for a SP rpt. (Zobro-MI). p/d cd. in 132 ds. for a SP rpt. and 1 IRC. v/s Ivan Russa Crespo and Mei-Ling Talvera Rojas. (MacHarg0). Radio Continental YVZR 4940 f/d "Map" cd. in 140 ds. for a SP rpt. and ms. (D'Angelo). same in 134 ds. for a SP rpt. and ms. (Wilkins-CO). f/d cd. in 29 ds. for a taped rpt. and 2 IRCs. (Turnick). 4939.5 f/d cd. in 2 mo. for a SP rpt. (Barto-CT). Radio Valera 4840 cd. w/ sticker in 45 ds. for a SP rpt. and SASE. (Moore-OH).

VIETNAM: Than Hoa Radio 4882 f/d paper cd. in 3 mo. for an 83 reception. (Barto-CT).

WEST HERTIN: RIAS 6005 p/d cd. in 25 ds. (Bolitho).

WEST IRIAN: RRI Sorong 4875 f/d prepared cd. w/ ltr. in 45 ds. (Rigas-IL). f/d prepared cd. w/ ltr. in 68 ds. on my 6th try for an IN rpt. and ms. v/s Theo Arpayan, Kepala Tata Usaha. (Wilkins). 4874.6 f/d ltr. in 8 mo. for an IN rpt. and ms. v/s Ny. Tien. Widarsanto. (Atkins-AL). RRI Manokwari 3986.2 f/d ltr. in 3 mo. for an IN rpt. via registered mail. v/s Nurdin Mokoginta, Kepala Stasiun. (Barto). RRI Wamena 4871 personal ltr. in 30 ds. for an IN rpt. and ms. v/s Orlen Sitorus. (Hart-FL). RRI Serui 4607.3 f/d ltr. in 3 mo. for an IN rpt. v/s Agus Raunsai. (Barto-CT). RRI Nabire 5055.5 p/d personal ltr. in 1½ mo. for an IN rpt. and ms. This after a f/up rpt. v/s Ismail Saya. (Palmerheim). 5055.4 f/d ltr. in 2 mo. for an IN rpt. (Barto).

YEMEN, ARAB REPUBLIC: Radio Sana'a 9779.3 p/d ltr. in 4 mo. for \$1.00 v/s Inge. Abdullah Farhan, Technical Director. (Bolitho). 5950 f/d form ltr. w/ postcard in 64 ds. for ms. on my 4th try. (Rugg-QUE).

YEMEN, PEOPLES DEMOCRATIC REPUBLIC: DYBS 7190 f/d cd. w/ personal ltr. in 3 mo. for 2 IRCs. v/s A. Burhan. Addr: Yemen Telecommunications Corp., Box 1256, Tawahi, Aden. (Rugg).

YUGOSLAVIA: Radio Televizija Skopje 9620 f/d ltr. in 91 ds. v/s Aleksandar Georgiev, * Direktor. Letter was seven weeks in transit! (D'Angelo).

ZAMBIA: Zambia National Broadcasting Corporation 4911 f/d personal ltr. in 34 ds. for \$2.00. v/s William Lukozo, Project Engineer. (D'Angelo-PA).



Sam



Radio "El Mundo"
SINTONIA NACIONAL

Q S L

Certificado de Sintonia

Parque Industrial - PI 7 -
Casilla 1984 - Tel. 39775 -
Telex 4298
Santa Cruz Bolivia

RADIO "EL MUNDO" - Santa Cruz - Bolivia

A Sr. Ron Howard

Muchas gracias por su informe de recepción. Tenemos el gusto de confirmar su control de nuestra emisión en ONDA CORTA 6.015 Khz, 10 Kilovatios, banda de 49 metros y 1.050 Khz Onda Medía, de fecha 25 de Marzo de 1987

a las 21:22 n 22:01 hora boliviana

FIRMA Y SELLO OFICIAL





Distributing Editor: Kris W. Field, 431 Babylon Road,
Ambler, PA 19002-2302

FRENEX CONTRIBUTORS LIST — JULY 1989 ISSUE — DEADLINE 12th of MONTH

The following members submitted loggings this month:

Brian ALEXANDER, Mechanicsburg, PA
 William BLIGHT, Baltimore, MD
 Norman BOBB, Minneapolis, MN
 Ralph BRANDI, Middletown, NJ
 Bob BROWN, Lansdale, PA
 John S. CARSON, Jr. Norman, OK
 Edward CICHOREK, Somerset, NJ
 Richard D'ANGELO, Wyomissing, PA
 Peter DILLON, Greece
 Kris FIELD, Ambler, PA
 Marlin A. FIELD, Hillsdale, MI
 Charlie HOFFMAN, Lancaster, PA
 IWAI Teruki, Nagoya, Japan
 Rufus JORDAN, Pittsburgh, PA
 Fred KOHLBRENNER, Phila, PA
 Harold LEVINSON, Philadelphia, PA
 John PIRNAT, Denver, CO
 Leonard R. PRICE, Annandale, VA
 Jim RENFREW, Rochester, NY
 Linton ROBERTSON, San Diego, CA
 Bob RYDZEWSKI, Santa Cruz, CA
 Dan SHEEDY, Encinito, CA
 Roland SCHULZE, West Germany
 Jim STREITMATTER, S. Bend IN
 John TUCHSHERER, Neenan, WI
 Andrew G. WALLACE, Lowell, MA
 Dr. Richard E. WOOD, Hilo, HI

XCR 30, Satellit 400
 Sony 2010, Sony 2001
 NRD 525
 Drake SPR-4, National NC 183D

DX 400
 NRD 525
 Drake SPR-4
 NRD 525, FRG-7
 Panasonic RF-2200 & BF-B30
 DX 302, Zenith Transoceanic
 Sony 2010
 R70
 Sony 2010
 R2000, ATS 803, GE World Monitor
 Sony 2010 + longwire
 Modified R70, R-388, SX-28
 NRD 525

R-5000, Drake R-7 & R-4C
 Yaesu 747 GX
 R70, FRG 7700

R1000, SPR-4,5 Beverages

Another good turnout this month! Thanks to one and all for the loggings. Several new or rejoined members sent in loggings this month. Welcome L. Price, and welcome back R. Brandi. Norman Bobb mentions that he turned 74 in June. Happy Birthday Norman! Iwai Teruki advises that Iwai is the family name and is written first in Japanese. Thanks for the loggings from Japan, Teruki.

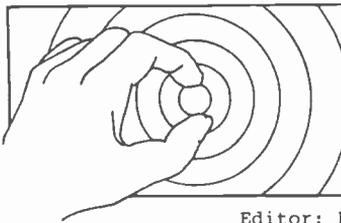
I definitely enjoy reading the short notes you're all putting in with the loggings. I don't have time (or space in this column) to reply to everyone but it does make this job more fun, thanks!

From the loggings I had a chance to glance at, it definitely looks like a lot of people are retreating to the higher frequencies. Don't give up on the lower frequencies just yet though. The African stations on 60 meters are still very listenable here at my QTH in the late afternoon. (I admit I occasionally have to tune between the static crashes though.)

Don't forget the ANARC Net on Sunday mornings.

Until next month,

Kin



LOG REPORT

section A

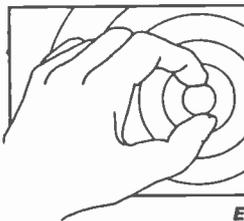
2000 to 4899 kHz

Editor: Bob Brown, P.O. Box 591, Colmar, PA 18915

- 1619.8 UNID (Pirate) 0315-0330 EE, re-brdcast of '60s mx pgm w/"WNBC""660" jingles, ads. WNBC is now WFAN an all sports station. Wobbly carrier. (Alexander-PA 5/29)
- 2310 AUSTRALIA VL8A Alice Springs 2018-2041 EG, slow mx, "...with the Northern Territory Service" (Schulze-FRG 4/27)
- 2325 AUSTRALIA VL8T Tennant Creek 2052-2102 EG, ID on full hr, pop mx. (Schulze-FRG 5/7)
- 2340 CHINA Fujian PBS, Fuzhou 1540 CH talk, Good (Wood-HI 6/7)
- 2755 UNID Unknown station-China? 1535, CH tlk, Good (Wood-HI 5/31)
- 3200 SWAZILAND TWR 1920-2006 Vern & EG, pres. tlk over the "... Christian Life", Strng CW QRM. (Schulze-FRG 5/7)
- 3230 LIBERIA ELWA Monrovia 1950-2005 Vern. ID on full hr. OM tlk w/mx bridges. (Schulze-FRG 5/8)
- 3230.3 PERU R. El Sol de Los Andes 2240-2300 SP, ID, OM tlk. (Schulze-FRG 5/31)
- 3255 INDIA AIR Shillong 1545 EG, tlk by Press Trust of India, Good. (Wood-HI 6/6)
- 3274.1 VENEZUELA R. Mara 0910-0959* SP, OM/YL tlk, LAm mx, suddenly off. Fair (Bobb-MN 5/21)
- 3277 JAVA (INDONESIA) RRI Jakarta 1229-1241 Indo rock & roll. ID by YL. Poor (Rydzewski-CA 5/12)
- 3310.3 BOLIVIA R. San Miguel 0118-0140 SP, ID, YL singer without instru. OM tlk, child. rel. mx. (Schulze-FRG 5/28)
- 3325 BORNEO - KALIMANTAN (INDONESIA) RRI Palangkaraya 1242-1258 Vocal mx. TC, ID, by YL/OM, S.C.I., QED. Fair (Rydzewski-CA 5/12)
- 3326 NIGERIA R. Nigeria 2023-2035 EG, ID by YL. (Schulze-FRG 5/7)
- 3339.55 PERU R. Altura 0330-0500 SP, ID, fine OA mx, huaynos, lots of yipping, fade. (Schulze-FRG 4/25)
- 3345 MOLUCCA IS - MALUKU (INDONESIA) RRI Ternate 1314-1400 Rock, C/W, mellow mx, R. drama, TC in waktu Timur by OM, relay nx 1400. Fair. (Rydzewski-CA 5/7) 3344.9 1953-2010 (Schulze-FRG 4/25)
- 3366 GHANA Ghana Broadcasting Corp. 0558 EG Mx, drums, nx. Poor. (Brandi 4/30)
- 3370 GUATEMALA R. Tezulutlan 0240-0300* SP, ID, marimba mx, rel pgm, tlk w/organ mx in bkgnd. //4835.1 (Schulze-FRG 4/21)
- 3385 NEW BRITAIN (PAPUA NEW GUINEA) R. East New Britain 1043-1100 Pidgin, YL w/requests, mention of Rabaul Poor-Fair. (Bobb-MN 5/11)
- 3450.2 PERU R. Oyon 0030-0100 SP, ID, OA mx w/flutes, TC. @ 0100 lost or s/off? Rare one here! (Schulze-FRG 5/28)
- 3904.8 SUMATRA (INDONESIA) RRI Banda Aceh 2110-2303 Gong intervals, ID, large choir singers. SIO443! (Schulze-FRG 4/25)
- 3959.7 CELEBES (INDONESIA) RRI Palu (Pres.) 1333+ IN, hrd //Ujung Pandang 4753 w/ Jak. spcl pgm, mstly percussion w/group growl (!?), in 3-4 AM's per week. Fair. (Sheedy-CA 5/22)
- 3976 JAVA (INDONESIA) RRI Surabaya 1050 lagu pops, ID & anthem @ 1100. Poor, quickly covered by hams. (Atkins-AL 5/13)
- 3995 GERMANY (FRG) Deutsche Welle 2318-2329 GM, OM w/long monologue, mx bridge, IS, ID SIO322 (Cichorek-NJ 5/16)
- 4600.1 BOLIVIA La Perla del Agro ?? 0035-0107 SP, LAm & Nam pop/ballads. Mni mentions of Bolivia. Poss. new Bolivian as announced by GH per R. Neth. SP DX pgm. Any help? - location? (Brown-PA 6/18)
- 4680.5 COLOMBIA LV del Cinaruco 0850-0905 SP, Vy wk w/ ads, mni IDs, anmts. LA mx/ballads. TP @ 0900 //4865 much strng. Is this a spur? (Alexander-PA 5/21)
- 4699.8 BOLIVIA R. Riberalta 0205-0245 SP, ID @ 0206. CP mx. Anmts by OM/YL. Weak. (Alexander-PA 5/27) 2341-0050 (Schulze-FRG 5/1,4)
- 4719.3 CELEBES (INDONESIA) RRI Ujung Pandang 2200-2213 ID, instr. mx following Quran px. (Schulze-FRG 5/25)

- 4725 BURMA BC Service 1221-1230 Oriental mx, YL, IS, "Myanma" from WRTH ID, heavy QRN. Poor. (Rydzewski-CA 5/20)
- 4728.1 UNID LAm station 0155- SP, OM tkl, mention of "...R. San Juan ...", is this the Peruvian stn R. San Juan de Caraz? Pse help. (Schulze-FRG 5/27)
- 4753 CELEBES (INDONESIA) RRI Ujung Pandang 1545 Lcl mx requests, ID. Good, bst Indo here. (Wood-HI 5/10) 1232-1300 (Rydzewski-CA 5/20)
- 4755 COLOMBIA Caracol 0240-0343 SP, ID, football rpt, notices. //4945.3 Not on 5075 or 5095.
- 4760 SWAZILAND TWR Manzini 1545 Shangaan, xtian sermon; ID, Good (Wood-HI 5/10)
- 4777 GABON Rdiff. TV Gabonaise, Libreville 1857-2038 FR, ID, OM tkl, Afr folk mx. (Schulze-FRG 5/7)
- 4780 KOREA (Dem. People's Rep.) R. Pyongyang *1300 KR, IS, ID, NA & into OM/YL KR tkl. Tnx Craig Tysons info in FT518. Gd. (Sheedy-CA 5/20)
- 4789.7 NETHERLANDS NEW GUINEA - IRIAN JAYA (INDONESIA) RRI Fak Fak 1157-1230 SCI, relay nx, NA, then mx "Tammy in Love" w. kroncong, YL ID. Fair. (Rydzewski-CA 6/3)
- 4810 SOUTH AFRICA R. Orion 2351- EG/AK ID's, welcome to listeners, pop mx - Sinatra. (Kohlbrenner-PA 5/16)
- 4815 BRAZIL R. Difusore, Londrina 0050-0105 PT, Tkl by OM's w/mni mentions of Londrina. ID @ 0101 w/freq ancmt by OM. Ads/romantix vcl. SIO242 (D'Angelo-PA 5/10)
- 4820 BOTSWANA R. Botswana 0511 Nx in Setswanese then EG @ 0511. Poor (Field-PA 5/29) 0402-0418 (Streitmatter 5/15) (D'Angelo-PA 5/29)
- 4820 ECUADOR R. Paz y Bien 0855-0920 SP mx, ID by OM, greetings, HC, NA, tkl & mention of Ambato. Fair. (Bobb-MN 5/24)
- 4820 PERU R. Atahualpa 0122-0210 SP, Folk/SP pop. ID's/anmtns @ 7-9 min. intervals. Full ID on 1/4 hr. Fair. (Jordan-PA 5/27)
- 4825 BRAZIL R. Cancao Nova 2350-0010 PT, rel mx, tkl by M/W. ID @ 2357. Ads, jingles. Br ballads afr 0003. Hd //6105, 9674.9 (Alexander-PA 5/27,28) 0031-0048 (Bobb-MN 5/19) 0140-0205 (Jordan-PA 5/11)
- 4826.1 PERU R. Sicuani 1017 OM w/ TC/ID, 2-min. orch NA @ 1018. Quickly buried by Tachira splatter. (Atkins-AL 5/25)
- 4830 GABON Afrique #1 0518 FR W. Af. mx, ID by YL. Good (Rydzewski-CA 5/14)
- 4835 GUATEMALA R. Tezulutlan 0040-0205+ SP/Quechua, marimba mx, OM into rel sndng tkl, YL w/ freq.QT11, ID. //3370 (Jordan-PA 5/21)
- 4845.2 BRAZIL R. Nac de Manaus 0255-0320 PT, Br pops/ballads, ID @ 0300. Ads, anmtns, wild animal snds, (Alexander-PA 5/20)
- 4851.1 ECUADOR R. Luz y Vida 0400-0418* SP, LA mx, SP ballads, tkl, ID. S/off w/NA. (Alexander-PA 5/21) 0320-0342* (D'Angelo-PA 5/13)
- 4864.5 BOLIVIA Em. 16 de Marzo 0930 OC, 0933 opning anmtns, flute bridge. OM "diez y seis," YL "de Marzo". Nx, CP mx to 1010 fade. Poor, badly undermod. (Atkins-AI. 5/23)
- 4875 BRAZIL R. Nac de Boa Vista 0253-0257* PT, Br pops. cising anmtns w/ID @ 0257. Weak. (Alexander-PA 5/20)
- 4885 KENYA Voice of Kenya 0230- Venec, ID w/all QRG's. Afr folk mx. //4915. (Schulze-FRG 6/4)
- 4895 COLOMBIA LV del Rio Arauca 0237-0259* Nx, sevr1 ref. to RCN. Not on the next 2 eve. at this time. (Field-MI 5/22)
- 4950 CAMEROON CRTV Yaounde -2400* Great regional mx, s/off w/ FR and EG ID, NA. V Good. (Field-PA 6/10) (Cichorek-NJ 5/16)

Hi folks. Nice to see y'all fighting the static and the flares to produce some very nice loggings. In some of the Indonesian loggings you will see reference to S.C.I. The old-timers know what this is but for the benefit of the new DX'ers in the group, it stands for "Song of The Coconut Islands". This very distinctive melody is typically played by RRI regional stations just prior to ID at the top of the hour. Once you hear it, you will never forget it and it is a great aid in determining that you are listening to an RRI regional. Further info on DX'ing Indonesia can be acquired by a very good Fine Tuning publication, "DXer's Handbook...Indonesia", as described on page 50 of last months *FRENDX*. Gerry Dexters book "Shortwave Listening with The Experts" also has a very good article by Bill Sparks on DX'ing Indonesia. Till next month, 73 - Bob KW3F. Compuserve 74756,1557.



LOG REPORT

section B

4900 to 6199 kHz

Editor: Sheryl Paszkiewicz, 1015 Green St., Manitowoc, WI 54220-6231

- 4900 BOLIVIA, R. San Ignacio, 6/3, 1105-1112 w/end of nx, ID, lively guitar mx, fade w/lcl sunrise. (Rippel-VA)
- 4900 CHINA, unid., 5/22, *1300 w/tlk, instls, poss. Hangzhou, hrd "Hangzha RGD" 1330 but needs more work. (Sheedy-CA)
- 4910.1 ZAMBIA, R. Zambia, 6/10, regional mx, Beach Boys, Cry of Fish Eagle, 1 Zambia, 1 Nation at 0419. (Field-PA)
- 4910.4 HONDURAS, LV de la Mosquitia, 5/13, 0230-0305 w/Back to the Bible, MN addr, SP ID, open carrier. (Wallace-MA)
- 4911.2 PERU, R. Tawantinsuyo, 6/3, 1000-1015, canned ID, nice Andean instls. (Rippel-VA)
- 4915 GHANA, GBC, 5/13, 0540 w/tlk by 2 M, mx, 0600 ID, EG nx. SIO=322. (Carson-OK) 5/24, 2259, nx, ID, s/off. Sig like a local station. (Field-PA)
- 4920 ECUADOR, R. Quito, 5/3, 0239-0253, VG w/futbol btwn Paraguay & Ecuador. (Tuchscherer-WI)
- 4934 KENYA, Vo Kenya, 5/29, 0158-0205 in EG w/flute/drum IS, ID, NA, rel mx. (Alexander-PA)
- 4935 BRAZIL, Rdf. Jatai, 6/3, 1019-1026 w/soft ballads, ment. Jatai, ads. (Rippel-VA)
- 4935.1 PERU, R. Tropical, 6/3, 0420-0435 w/ID, OA mx, slow fade out. (Schulze-FRG)
- 4945 COLOMBIA, Caracol Neiva, 5/21, 0636 w/LA rhythms, time sig, ID, nx 7/5075. (Carson-OK) 5/27, 0902-0917 w/IDs, tlk, very little mx, noisy. (Bobb-MN)
- 4960 PERU, R. La Merced, 5/31-6/1, 0005-0100 w/ID, tlk, nx, OA mx (Schulze-FRG)
- 4980 IRAN, VOIRI, 5/21, 1530 in Farsi w/rev. choruses, good (Wood)
- 4980 VENEZUELA, Ecos del Torbes, 5/23, 0921-0928 w/ID, TC, LAM mx, fair. (Bobb-MN)
- 4985 BRAZIL, R. Brasil Central, 5/9, 0040 w/Bras songs, ads, ID. (Miller-OH)
- 4990.9 PERU, R. Ancash, 5/31, 0105-0115 w/ID, nx, RTTY QRM. (Schulze)
- 4991 BOLIVIA, R. Animas, 6/7, *1059-1108 w/NA, ID, FC, brief tlk into exotic flute mx. (Rippel-VA) 5/31-6/2, 2340-0000 w/ID, CP mx, India QRM. Very very rare here. (Schulze-FRG)
- 4996 PERU, R. Andina, 5/3, 0217-0238 w/OA mx, hrd sev nites but currently at weak lvl. (Tuchscherer-WI)
- 5003.6 RIO MUNI, RN Bata, 5/28, *0452-0540 in SP w/long NA, anmts, pop & Afr. mx, rel. Use LSB to avoid RTTY. (Alexander-PA) 5/27, 0505-0520 w/lcl mx, tlk, clobbered by WWV, ute, fair sig. (Robertson-CA)
- 5005.7t SURINAM, R. Apintie, 5/20, 0220-0300 vy tent w/EZL, vy weak w/ute QRM, covered by ute 0306. (Alexander-PA) Keep trying-sp
- 5015 CLANDESTINE, R. Truth, 5/29, *0432-0445 w/IS, EG ID, nx, cmtrles, good Afr. nite. SIO=3+53. (D'Angelo-PA) 6/3, 0445-0500* weak w/EG nx, FC, mx, IS. (Renfrew-NY)
- 5019v COLOMBIA, Ecos del Atrato, 5/2, 0050-0135 w/tlk, nx, Caracol IDs, ads, jingles, slick production. (Jordan-PA)
- 5020 SOLOMON ISL, SIBC, 5/11, 1015-1025 in PD w/ID, nx, ads, pop mx, fair. (Bobb-MN)
- 5020 SRI LANKA, SLBC, 5/16, 1555 Tamil, Indian pops, ID. (Wood-HI)
- 5025 CUBA, R. Rebelde, 5/16, 0028 w/instls, ID, 0030 nx (Cichorek)
- 5030y COSTA RICA, R. Impacto, 5/19, 0315 w/nx, mx, 0336 ID, nx, interviews, good, nothing on 5044. (Jordan-PA)
- 5030.4 PERU, R. Los Andes, 5/22, 0845 w/opening promos, ID, med ads, "Super Chichas" pgm (Sheedy-CA) 5/19, 0903 (Bobb-MN)
- 5035 BRAZIL, R. Aparecida, 5/11, 0005 w/rel songs & prayers, 0011 ID & FC. (Miller-OH)
- 5035 CENT. AFR. REP., R. Centafrique, 5/16, 2241 w/jazz, 2242 ID, vcls, NA 2300. (Cichorek-NJ) 6/7, 8, 10, mx, ID 2300* (Field)

5040 COSTA RICA, R. Impacto, 5/8, 0325 w/tlk, no mx, on 5/9
back on 5030. (Field-MI)

5040 ECUADOR, LV del Upano, 5/10, 0115-0305* w/lively pops,
ballads, long tlc, heroic chorus, NA, ID, QTH. (Jordan-PA)
5/29, 0124-0140 w/ballads, anmts, ID, mixing w/Maturin. (Alex)

5040 VENEZUELA, R. Maturin, 5/30, 0918-0933 w/greeting, IDs, mx,
fair. (Bobb-MN)

5044 COSTA RICA, R. Impacto, 5/9, 0910 w/corres. discus, only
60m strn audible! Hvy lcl QRM. (Park-HI)

5050 COLOMBIA, Caracol, 5/14, 0310-0330 w/mx, anmts, many ment.
Caracol, Colombia, no lcl ref. (Alexander-PA)

5050 TANZANIA, RT, 6/4, 0210-0228 in SH w/early s/on, ID, nx,
short rock mx, Afr. folk mx. (Schulze-FRG)

5052 SINGAPORE, SBC Radio 1, 5/13, 1116 EG w/Sonny & Cher mx, nx
abt "Amer. in Vietnam" Top 40 mx, "VOA Pacific" //11940,
5010, het, QRM (Park-HI)

5055 COSTA RICA, Faro del Caribe, 5/20, 1004-1050 in SP w/vcl
NA, IDs, piano mx, vcls. (Bobb-MN)

5055 FRENCH GUIANA, RFO Cayenne, 5/19, 0838-0900 w/rock mx, tlc,
ment. Cayenne, good. (Bobb-MN)

5058.9y ECUADOR, R. Progreso, 5/21, 0245-0320* w/HC mx, anmts, s/off
w/NA, drifting down in freq. (Alexander-PA)

5068 COLOMBIA, LV de la Cana, Medellin, 6/2, 2348-0000, clr ID,
echos, TP, more ID. Take care, LV de la Fe nearby. Have cas-
sette of clr ID of this for 4 IRCs, 3 IRCs in Europe (Schulze)

5075 COLOMBIA, Caracol, 5/15, 0218-0232 w/nx of Argentine election
IDs. (Tuchscherer-WI) 5/22, 0240-0305 w/nx, pol. tlc, ads,
ID, FC 0302 //4755, 4945. (D'Angelo-PA) 5/14, 0300-0330 w/tlc
ads, jingles, FC, QTH, LA mx. (Jordan-PA) 5/12, 0412 w/ads,
nx, promos stating R. Noticias. (Carson-OK) 5/13, 0550 ID, nx
anncd 5075, 850. Not here 6/3. (Renfrew-NY)

5080 UNID, 5/11, 0942-1025 f/o, mx (CA type), ID 1000 but didn't
sound like listed Huayabamba. (Field-MI)

5081.1 PERU, R. Mundo, 6/3, 0010-0035 w/OA mx, very weak, ment.
Los Andes & Peru. (Schulze-FRG) Is that what Marlin hrd?-sp.

5095 COLOMBIA, Caracol, 5/11, 0035 w/soccer? rapid ads //4755, not
ID'ing as Sutatenza. (Miller-OH) 5/1, 0155-0203 w/SP pgm, EG
ID, SP nx 0200. (Tuchscherer-WI) 5/11, 0252-0308 w/nx, ad for
Banco de Colombia, 3-1 TP in backgd, TC, SIO=444. (D'Angelo)

5505.4 BOLIVIA, R. 2 de Febrero, 5/31, 0053-0115 w/nx, orch bridge,
"muy buenos noches," ballads. F-P. (Atkins-AL)

5900 ISRAEL, HS Prog D, 5/9, 1629-1645 in AR w/ID, TP, nx, clx,
fair sig. (Dillon-GREECE)

5930 CZECHOSLOVAKIA, R. Prague, 5/20, 0115 EG w/econ rpt, mailbag
(Price) 5/9, 0123 EG clx mx, sports, ID, addr. (Field-PA)
0123 w/cmtry, cooking pgm (Levison-PA) 5/13, 0410 EG w/dam
proj, sports, ID. (Dillon-GREECE)

5955 GUATEMALA, R. Cultural, 5/28, 0724-0725* w/ID, hymn (Bobb)

5960 CANADA, R. Japan relay, 5/27, 0110 EG w/cmtry on Free Trade
Agreement, travelog. (Price)

5964.8 BOLIVIA, RN Huanuni, 5/30, 1010-1032 f/o, mournful ballads,
muffled tlc, ID 1019, poss. ID 1030. Poor. (Atkins-AL)

5965 CUBA, RHC, 5/13, 0428 EG w/nx, DXers Unlimited, stamp pgm.
SIO=434. (Carson-OK)

5965 RHODES, VOA relay, 5/13, 0425-0440 AR w/ID, tlc abt Bush,
nx, AR mx. (Dillon-GREECE)

5975 ANTIGUA, BBC relay, 5/8, 0530 EG, Waveguide, Words of Faith
SIO=554. (Carson-OK)

5975 SOUTH KOREA, R. Korea, 6/5, 1601 EG w/nx, tent. BEC under-
neath, vy erratic fading. (Park-HI)

5982 GUATEMALA, AWR, 5/28, 0155-0205 w/SP ID, Christian mx, hvy
QRM. (Renfrew-NY)

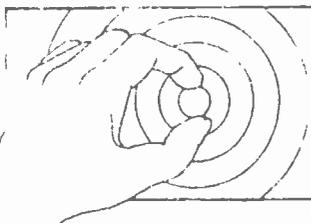
5985 USA, VOFC via WYFR, 5/20, 0231 EG w/CH Old Songs, CH lesson.
SIO=434. (Levison-PA)

5995 USA, VOA, 5/31, 0030 EG w/Special EG nx, Science in the 'Nx,
off 0054 for 1 minute. (Price)

6006 COSTA RICA, R. Reloj, 5/30, 0949-0953 w/IDs, mx in a 49mb
pile up. P-F. (Bobb-MN)

- 6015 CANADA, R. Austria, 5/19, 0533 EG w/nx, interview US Ambassador to Austria, business rpt, SIO=534. (Carson-OK)
- 6020 AUSTRALIA, RA Brandon, 5/17, 0755-0830 w/IS, ment. test transmission & Piji test 11770 which was weaker. (Renfrew) 5/13, 1350 EG //5995, 6060, etc. Pop mx (Wood-HI)
- 6020 HOLLAND, R. Nederland, 5/20, 0100 EG w/Rembrandt Express, tlk to Jerry & Dody Cowan. (Price)
- 6020 USA? VOA, 0528 EG ID, into FR, nx. SIO=534. (Carson-OK) 5/17, 0740-0755, special test, no site ment. (Renfrew-NY)
- 6040 ANTIGUA, Deutsche Welle, 5/31, 0100 EG w/nx, Newline Cologne, NATO rpt, Bush trip, Good sig. (Price)
- 6060 AUSTRALIA, RA Shepparton, 6/9, *1130 EG w/IS, Top Hits pgm, //9580. SIO=333. (Hoffman-PA) I've been listening to this myself before work--sp.
- 6060 ARGENTINA, RAE, 5/9, 0100 w/multi-lingual IDs, nx, mx, tlk. (Field-PA) 5/25, 0804-0820, IDs, mx. (Bobb-MN)
- 6105 MEXICO, Tus Panteras, 5/27, 0434, ads, XEQM ID. (Field-MI)
- 6106v BOLIVIA, R. Panamericana, 6/6, 0318-0404 w/vcls, SP versions US pops, ad strings, IDs, nx 0400. (Jordan-PA)
- 6116v COLOMBIA, LV del Llano, 5/19, 0345-0425 w/LA nx, econ, pol tlk, "Super Radio" ID, real slick production. (Jordan-PA) 5/25, 0731-0745 w/IDs, mx, TCs, fair. (Bobb-MN)
- 6130nf SOUTH AFRICA, R. RSA, 5/10, 0600 new AK sce to Namibia, nx, 0509 sports, good. Not listed in WRTH or latest RSA Calling mag. (Wood-HI)
- 6135 SWITZERLAND, SRI, 5/6, 0406 EG w/nx, AIDS tlk, SW Merry-go-Round. SIO=322. (Carson-OK)
- 6140 CANADA, RCI, 5/31, 0523 EG/FR w/nx, stockmarket rpt, sports, wx, FR nx 0528. (Carson-OK)
- *6149 SUDAN, Nat. Radio & TV, Omdurman, 5/18, 0355-0418 AR w/sev IDs, IS 0415, nx, cmtry, M anncr. SIO=333. (Streitmatter)
- 6150 COLOMBIA, R. Reloj, 6/4, 0425-0435 w/SP pops, anmts, ID, ment. Caracol. (Alexander-PA) 5/25, 0748-0802, IDs, mx, fair. (Bobb-MN)
- 6150 COSTA RICA, R. Impacto, 6/2, 0330-0415 w/nx, jazzy bridges, IDs, promos, echos. //5030. (Jordan-PA) 5/30, 1010-1030, CA m nx, IDs, good. (Bobb-MN)
- 6160 ANTIGUA, Deutsche Welle relay, 5/23, *0857-0901 EG IS, ID, into nx. (Bobb-MN)
- 6160 COSTA RICA, R. Impacto, 5/17, 0408-0432, nx, many IDs, next day at this time, back to 6150. (Rydzewski-CA) These guys are all over the place!--sp.
- 6160 NEWFOUNDLAND, CKZN, 5/14, 0829-0845 EG w/callsigns, FC, CBC nx 0830, sports, "Voice of the Pioneer" pgm 0840. (Alexander-PA) 5/23, *0854 w/NA & province anthem, ID, FC, ment. 1000 watts. QRM. (Bobb-MN)
- 6165 BONAIRE, R. Nederland, 5/19, 0050-0120 EG w/Media Network, much varied info, good. (Bobb-MN) 5/13, 0350 EG w/Over to You. SIO=545. (Carson-OK)
- 6165 MEXICO, LV de la America Latina, 5/29, 0924-1006 w/vcls, long tlk, ads, ID 0941, 1002, slight distortion. (D'Angelo-PA)
- 6170 SRI LANKA, Deutsche Welle relay, 5/24, 1635 EG w/Asia Pacific Rpt //17825 15595 15105 7225. Unid CH in back. (Park-HI)
- 6180 CYPRUS, BBC relay, 5/10, 1700-1715 EG w/world nx, mx from around the world due to strike. (Dillon-GREECE)
- 6180 NORTH KOREA, R. Pyongyang, 5/13, 1348* KK ID, sked, anthem, good. (Wood-HI)
- 6185 MEXICO, R. Educacion, 6/7, 0650, "Those were the Days" & other songs in Esperanto! 0700 SP ID //MW 1060, both good. (Wood-HI) 5/20, 1057-1115 w/non-stop LAm mx, short tlk by W, ID, fair & fading. (Bobb-MN)
- 6195 SINGAPORE, BBC relay, 6/5, 1045 EG "Vintage Chart Show" for 1972 //11750 9740 QRM from unid on 6200. (Park-HI)

Lots of nice loggings including Latin America despite the static season now upon us. Appreciate your support!



LOG REPORT

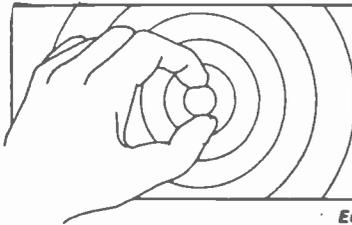
section C

6200 to 11699 kHz

Editor: Jerry Irvine, Box 5204, Hidalgo, TX 78537

- 9506.5 **ALGERIA** R. Algiers 1935-1940 EG, ID, nx, mx, Ar. px. (Schulze)
- 9540 **VENEZUELA** R. Nac. 1059 SP IS, ID, om w/freq, yl w/nx; (Terrence)
- 9540 **CZECHOSLOVAKIA** RP 0141 EG Mailbag px; 434. (Carson-OK 4/28)
- 9545 **SOLOMON IS.** Honiara 0720 EG rel px, 'Happy Isles' ID, nx, commercials, etc; vg. (Johnson-TX 4/2)
- 9580 **ETHIOPIA** VOE 1616-1531 EG jazz mx, ID, TC of 630 @1530 by yl; g. (Rydzewski-CA 4/16)
- 9560 **USA** VOA, Delano? 0913 EG tlk, om w/ID of test xmsn. (Park-HI 5/1)
- 9565 **BRAZIL** R. Univero 0046 PT soccer game, ID, om w/tlk; (Howell-CA)
- 9565 **RWANDA** DW 0430 EG ancr playing #3 song in FRG, 'Like a Prayer' Africa Report; (Park-HI)
- 9580 **AUSTRALIA** RA 1040 EG mx, nx; ex. (Klinck-NY 4/16) / 1239 feature on 'Choice' mag. QRM/weakwoodpecker; 344. (Frodge-MI 3/17) / 1130 International Rpt.; 444. (Carson-OK 4/23)
- 9582.8 **RIO MUNI** R. Africa 2125-2208 EG rel tlka, ID, addr. (Paszkwiewicz)
- 9595 **SEYCHELLES** FEBA R 1635 EG AF nx by yl, Big Ben, nx. (Park-HI 5/2)
- 9600 **USSR** RM 1238 EG yl tlk abt RS clas. mx; 222. (Frodge-MI 3/17)
- 9615 **SO. AFRICA** RSA 0205 EG PO Box 4559, mailbag px; 554 (Carson-OK)
- 9615 **SRI LANKA** DW 1757 Farsi IS omw/ID, mx, nx? Park-HI 5/19)
- 9630 **NETH ANTILLES** RNW 0748 EG 'Newslin', Grundig rev. (Park-HI)
- 9640 **UAE** Dubai 1635 EG ID, nx, mx, into AR px. (Schulze-FRG 4/3)
- 9640 **VENEZUELA** Ecos del Torbes 1053-1100* SP QRMD, TCs, Noti-Rumbos nx, ID. tnx Zeller tip in NU. //4980; (Sheedy-CA 4/29) / 0040-0100 om w/sports coverage, 2nd om w/pos, color, ads, TCs, ID. (Jordan)
- 9640 **SWAZILAND** TWR-Manzini *0255 Swahili IS, ID, rel px. QRM. (Sheedy)
- 9644 **VATICAN CITY** VR 0320 CZECH pop mx, tlk, into Lang, QRM (Sheedy)
- 9685 **USSR** RM 0300 EG Rock mx, into SP; 333. (Frodge-MI 3/27)
- 9695 **SWEDEN** RS 0309 EG NX, WX, mx px. (Kelly-MI 4/22)
- 9720 **USSR** RM 0212 EG nx, px on Lenin. (Kelly-MI 4/24)
- 9720 **GERMANY** DR RBI 0301 EG 'RBI Listener's Club' w/letters'. (Frodge)
- 9745 **EQUADOR** HCJB 0210 EG 'Han R. Today'; (Kelly-MI 4/27)
- 9750 **UNID** 1118 Malay (pres) C&W mx, yl w/ancnt, E2L clas mx; (Park)
- 9755 **CANADA** RCI 0000 EG various nx rpts; 545. (Carson-OK 4/21)
- 9765 **MALTA** V of Med. 0625 EG tlk abt environment, ID; 332. / 0559 px on writers & books; 332 (Carson-OK 3/26, 4/16)
- 9770 **AUSTRALIA** RA yl w/E2L pop mx, // 9710, 232; 9580,333; 7215,233 (Frodge-MI)
- 9770 **MALI** R. Beijing 0305 EG om w/nx, QRM; 333. (Frodge-MI 3/27)
- 9770 **Iraq** R. Bagdad 2137 EG AR mx cmtry, IDs, freq; f. (Klink-NY 4/14)
- 9790 **FRANCE** RFI 0320 EG OM W/NX, FR press rev. //9800, 11995, 11700, 11870; 333. (Frodge-MI)
- 9835 **HUNGARY** RB 0038, 2350 EG tlk abt elections, interview, QRM VOA; 343, 333. (Carson-OK 4/28)
- 9845 **PHILIPPINES** FEBC 1830-1900 UKR folk mx, rel; (Paszkwiewicz-WI 4/23)
- 9915 **UK** BBCWS 0030 0100 EG px abt conductor A. Boulit, mx; (Jordan-PA)
- 9925 **BELGIUM** BRT 2347 EG 'Brussels Calling' re:brewing beer; 444 (Carson-OK 4/21) / 2320 SP/EG ID, DX px 'R. World'; g. (Johnson) / 2345 EG yl w/cultural features-interviews; 232. (Frodge-MI2)
- 9965 **CLAND** R. Caiman 1109 SP E2L LA mx, IS, pan flute mx; (Frodge-MI2)
- 9977 **NO. KOREA** RP 1103 EG yl w/sked, om w/nx cmtry; 232. (Frodge-MI2)
- 10344 **USSR** RM 1020 JP om w/nx, prom; // 5920. QRM, QRM. (Park-HI 5/7)
- 11350 **NO. KOREA** KCBS RP 1821 AR nx, ID, mx; (Park-HI 6/3)
- 11605 **ISRAEL** KOL 0000 EG ID, // 15640, 15615 poorer, nx; (Frodge-MI1) / 0211 tlk abt origins of Bible; (Kelly-MI 4/8) / 0055 IS, pips, ID, sked, nx px; vg. (Johnson-TX 3/19)
- 11650 **USA, ALASKA** KNLS 1830-1900 EG big band mx, rel; (Paszkwiewicz-WI)
- 11650 **GUAM** KTRW 1518-1534 EG rel tlk, hymns, address; (Tuchscherer-WI) / 1615 tlk on social behavior, Guam address; (Field-MI 4/24)
- 11670 **FR. GUYANA** RFI 0325-0340 EG editorials, Eiffel Twr; (Rydzew-CA)
- 11681 **NO. KOREA** KCBS RP 0835 KR yl tlk to far Jap. PM; (Park-HI 5/8)

- 11685 CHINA,PR RB 0308 EG nx, tlk abt population, pollution. / 0450 developing wld nx, agriculture in Nigeria. (Kelly-MI 4/1,4/7)
- 11695 BELGIUM BRT 0800 EG nx, wx, press rev., ID; vg. (Johnson-TX)
- 6215 INT'L WATERS R.Caroline 0555 EG rel px, ID, address; (Field-MI)
- 6230 ECUADOR HCJB 0625 EG DX Partyline w/ Arthur Cushen; (Carson-OK)
- 6240 CLAND V of Tomorrow 0029 EG 'Conquistador' om ancr freq. tlk; 343 (Frodge-MI2 4/2)
- 6240 BANGLADESH RB *1315-1323 NAPALI? IS, yl tlk, mx; f. (Atkins-WA)
- 6305 CLAND LV del CID 0804 SP om w/ID, cmtry; 322. (Frodge-MI2 4/1)
- 6325 CLAND V of the Khmer 1340-1400* Lang pop mx, om ancr w/ments of Kampuchea, s/off w/anthem; (Atkins-WA 5/8)
- 6480 SO.KOREA RK 1611 IT Om wKR lessons //7550; not in WRTH '89;QRN, QRN, (Park-HI 6/5)
- 6549.6 LEBANON VOL 0315 AR yl,om tlk, mx, tlk; p. (Johnson-TX 4/8) / 1759-1829 AR/EG EZL mx, ID by yl, nx, mx; (Dillon-Greece 4/22)
- 6620 CHINA,PR RB 1558 Lang om,yl tlk, mx, IS, ID, new Lang. (Sheedy)
- 6666.9 CLAND R.Alpha 66 0114-0145* SP tlk, ID, mart. mx; (Paszkiwicz)
- 6895.2 PERU R. Sensacion 0145-0201* SP yl ancr, mx, NA; p. (Alexander)
- 7105 EUROPE VOA Rel. 1745-1820 RS rock mx, wld nx, IS; (Dillon-GRE)
- 7110 TURKEY VOT 1820-1955 Turkish yl ancr w/mx, IS; f. (Dillon-GRE)
- 7120 ALBANIA R. Tirana 1631-1650 Farsi yl tlk, ID, mx; f. (Dillon)
- 7123.4 GUINEA R. Nat'l 0617-0700 FR Afro pops, ID, nx; f. (Atkins-AL)
- 7130 USSR RM 1655-1702 Hebrew rock mx, sked, ID, IS, WRTH? (Dillon)
- 7144.4 MALAYSIA Sarawak 1240 Malay yl tlk, mx bridge; p. (Johnson-TX)
- 7160 MALAYSIA Sarawak 1150 3/31 EG/Lang pop mx, ID, ancmts, two pips into CH; vg. (Johnson-TX 3/31)
- 7180 UK BBC WS 1511 EG 'Newsreel', promo ancmts, 'Opers of the Week' //15310, 9740, 6195; (Park-HI 6/5)
- 7208 IVORY COASTt 0620 FR yl w/cmtry w/thumb harp mx bridge; //7215 yl,om w/sds, mx, ID; 232. (Frodge-MI1,2-4/1)
- 7240 CAMEROONR.C. Garoua 2250-2302* FR lcl mx, closing ancmts @2300 s/off w/NA; (Alexander-PA 4/21)
- 7255 NIGERIA RN-W.AF Svc 0500 EG ID, tlk by om; vg. (Johnson-TX 3/26)
- 7255 BOTSWANA RB 0350 EG/Vern s/on;IS, //4820; (Howell-CA 4/17)
- 7259.8 VANUATUt 0825 Fr/Lang mx, ID, ancr, nx, om/yl w/mx; (Johnson)
- 7275 SO.KOREA RK 1551 EG nx, ID by om; g. (Rydzewski-CA 4/22)
- 7355 USAWRNO o230. EG mx, freq chng @ 0300 to 6185; (Kelly-MI 4/5)
- 7355 USA.PIRATE R.Clandestine, etc 0301-0335 EG Pirate R. Net. mx, variety of pxing; 353. (D'Angelo-PA 4/30)
- 7405 USA WCSN 0146-0157* EG Letterbox, freq list; (Tuchscherer-WI 5/2)
- 7415 USA.PIRATE R.USA 2201 EG rock mx, skits, Mr. Blue w/R. Free London px, address in Hilo,HI; TE Ubie; 333. (Frodge-MI2 4/1)
- 7415 USA.PIRATE WENJ J-Rock 2220-2317* EG Jack Beane hosting DJ w/oldies, TC, ID, ph#; 353. (D'Angelo-PA 4/8)
- 7415 USA.PIRATE Pirate R. Net. 2313-2321*, 0239-0320, EG Rock mx, ID ancr by om, test! variety; 242,353. (D'Angelo-PA 4/30,5/1)
- 7415.7 USA.PIRATE WENJ 2240-2350 EG jingles, Hilo address, ment ANARC SWL Net on 7240 lsb @10 am lcl time, Sundays; (Alexander-PA 4/8)
- 7415 USA.PIRATE WART 0325-0435* EG playing R.Clandestine tape, IDs of Pirate R. Net; 433. (Hoffman-PA 5/1)
- 7415 USA.PIRATE United World R. 2332 EG pop mx and skits, address in N.Y., DX Bulletin; 222. (Frodge-MI2)
- 7426 USA.PIRATE WKND 0201-0214* EG Rock mx, ID,tlk; 343.(D'Angelo-PA)
- 7430 GREECE VOG 0344 EG current events; (Howell-CA 4/17)
- 8515 PERU R. Anistad 0120 SP EZL mx px, om w/IDG0130; (Rippel-VA 6/9)
- 9445 TURKEY VOT 2230 EG 'DX Corner', quiz update, mx; vg. (Klink-NY)
- 9455 USA WSHB 0515 EG nx,ads;letterbox, freq & times; 544. (Carson) / 0357-0425 IS, ID, rel px, Boston address; (Paszkiwicz-WI 4/9)
- 9500 ALBANIA R.Tirana 0346 EG cmtry, nx; 333. ((Carson-OK 4/18)
- 7475 TUNISIA R. Tunis 0338 AR ME mx w/drums, om tlk; (Howell-CA 4/17)



LOG REPORT

section D

11700 and above

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

- 11700 DOMINICAN REPUBLIC R. Clarin in SP 1830-2330, ID, nx, slogan "R. Mil Informado", L Am mx (Renfrew NY 5/20, Tuchscherer WI 5/28, Rydzewski CA 6/4)
- 11710nf BANGLADESH RB in EG 1234-1300*, nx, cmntry, ID, relig nx, IS (Streitmatter 5/22)
- 11725 VATICAN STATE VR in FR/EG 0250, FR to 0309, then into EG, g (Carson OK 5/14)
- 11745nf SWAZILAND TWR in EG 1557, handbell IS, ID's, pgms on AIDS, p (Park HI 5/21)
- 11771v INDONESIA RRI Jakarta in IN 1225, CW-like mx, drama, ID, TC, g (Rydzewski 5/28)
- 11780 BRAZIL RN de Amazonia in PT 2333, ads, ID, info on xmsns, g (Rydzewski CA 6/4)
- 11790nf USSR R. Rodina in RS 0056, lively mx, ID, nx (Tuchscherer WI 5/20)
- 11800 CUBA RHC in EG 2003, nx re Chinese-USSR summit, f-g (Blight MD 5/15)
- 11805 BRAZIL R. Globo in PT 0054, fast tlk, ads, ID w & w/o echo (Rydzewski CA 5/15)
- 11820 CUBA RHC in SP 1607, nx, ID, tlk segment, Cuban mx (Jordan PA 5/20)
- 11850 PHILIPPINE IS. FEBC in EG 1242, hymns, ID, sermon, g (Rydzewski CA 5/28)
- 11855nf CHINA R. Beijing in EG 1300, IS, ID's, disc of student protests (Jordan PA 5/22)
in EG 1348, pgm re CH opera, theater, and mx, s/off 1356, exc (Carson OK 6/1)
- 11860 ALASKA KNLS in RS *0700, IS, ID, sked, f w/QRM from BBC (Wood HI 5/16)
- 11865 WEST GERMANY D. Welle in SP 0005, ID, GM folk mx, class mx, IS (Jordan PA 5/15)
- 11865nf JAPAN RJ in EG 1526, tlk re Burma, lang lesson (Tuchscherer WI 5/16)
- 11880 SOUTH AFRICA R. Five in EG 0529, pop mx, ads, nx, f (Carson OK 5/9) 0520 sports
in EG, g (Wood HI 5/3) wake-up commuter show in EG 0550, vg (Renfrew NY 5/2)
- 11905 ITALY RTVI in EG 0356, world nx, xmsn into, ID, bird call IS, f (Rydzewski 5/25)
- 11930 SEYCHELLES FEBA in Malagasy? 1627, IS, fanfare & ID, a capella, f (Park HI 5/31)
- 11940 ROMANIA R. Bucharest in EG 0210, nx, cmntry on power, g (Levison PA 5/18)
- 11960nf LIBERIA ELWA in AR 0555, IS, ID, AR relig pgm 0600, g (Wood HI 5/31)
- 11990 KUWAIT R. Kuwait in AR 1705, mid-East & world nx, ID's, wx info (Dillon GREECE)
- 13600nf COSTA RICA R. for Peace in EG 0100, "Voices of Our World", p (Price 5/25)
- 13610 EAST GERMANY R. Berlin in EG 0237, nx, cmntry, g (Levison PA 5/27)
- 13635 SWITZERLAND SRI in EG 2100, nx, "Dateline", g (Price 5/30)
- 13660nf IRAQ R. Baghdad in EG 2140-2157*, AR mx, recitations in AR, ID (Jordan PA 6/5)
- 13660 COSTA RICA R. for Peace in EG 0105, tlks, ad for T-shirts, p (Jordan PA 5/26)
- 13715 CZECHOSLOVAKIA R. Prague in CZ/EG 2309, HS relay, mx, IS, ID's, nx (Jordan 5/25)
- 13730 AUSTRIA RAI w/IS & ID in 4 langs *0500, nx in GM, g (Wood HI 5/13) in EG 0148,
Strauss waltzes, mailbag, address, IS, g (Rydzewski CA 5/15)
- 14918 KIRIBATI R. Kiribati in lang 0702, island mx, g (Alexander PA 5/14) in lang 0919
percussion mx, xylophone tones (IS?), off 0930, NA, f (Renfrew NY 5/17)
- 15030 CHINA CPBS2 Beijing in CH 2310, children singing, W anncr, p (Levison PA 5/7)
- 15125 EAST GERMANY R. Berlin Int in EG 0158, ID, nx, agricul pgm, p (Jordan PA 5/26)
- 15125nf? CHINA R. Beijing in EG 0021, ancient CH mx, cooking recipes, f (Levison PA 5/21)
- 15130nf? FRANCE RFI in FR 0455, instrumental mx, ID, TC, nx, exc (Carson OK 5/6)
- 15150 SWAZILAND TWR Manzini in Urdu *1525, IS, ID in EG, off 1550, g (Wood HI 5/2)
- 15165 INDIA AIR Bombay in Farsi? *0312, IS, ID, clipped audio, f (Park HI 5/17)
- 15170 AUSTRALIA RA in EG 2200, IS hrd under WYFR Family Radio (Hoffman PA 5/29)
- 15185 PINLAND RF in EG 0230, nx, press review, sportsfare, exc (Price 5/31)
- 15220 PHILIPPINE IS. R. Veritas in EG 1500, tlks, Bible readings, "Church Developments
in the World Today", ID, much QRM (Park HI 5/16, Tuchscherer WI 5/13)
- 15240 EAST GERMANY R. Berlin Int in EG 0300, cmntry on computers, g (Levison PA 5/13)
- 15280 HONGKONG BBC relay in JP 2154, world & UK nx, ID, "By Radio" (Park HI 5/30)
- 15285 PORTUGAL RDPI in PT 1433, ID, mx bridge, tlk, pop mx, f (Cichorek NJ 5/2)
- 15310 OMAN BBC relay in EG 1520, "Our Common Future" concert from NYC, f (Park HI 6/6)
- 15325 CANADA RCI in EG 1830, nx, feature on Canadian trains & model RR (Price 5/31)
- 15330nf BULGARIA R. Sofia in FR 1959, ID, IS, nx?, g (Blight MD 5/15) in EG 2325, mx,
features, interview, ID (Cichorek NJ 5/18, Levison PA 5/6)
- 15460 COSTA RICA AWR/R. Lira in lang *1200, R. Lira ID, tlks, mx, p (Jordan PA 5/7)
- 15505 KUWAIT RK in AR 0710, conversations interspersed w/AR mx & ID's (Carson OK 5/21)
- 15640 ISRAEL Kol Israel in EG 0004, daily nx pgm, econ rpt, f (Carson OK)
- 15690nf USA WCCR Nashville in EG 2100, religious pgms (Sheedy CA 6/1, Tuchscherer WI 6/1
(Kohlbrener PA, Renfrew NY))
- 17546nf ISRAEL Kol Israel in HB 1600, ID, hadashot (nx), //17590, g (Wood HI) in HB 0302
nx, ID, mx, ads (Brandt, Rydzewski CA) in HB 1716, speeches (Dillon GREECE)
- 17575 ISRAEL Kol Israel in EG 0408, nx, wx in Jerusalem, ID, IS, f (Rydzewski CA 5/4)
- 17645 UNITED ARAB EMIRATES Abu Dhabi in AR 1500, AR mx, nx, g (Iwai JAPAN 5/13)

- 17730nf? SOUTH AFRICA RSA in EG 1300-1400, nx, tlks, //21590, g (Iwai JAPAN 5/13)
 17730 SWITZERLAND SRI in EG 0224, "Dateline", discn of TV awards, g (Carson OK 5/12)
 17745nf SOUTH AFRICA RSA in EG 1400-1600, nx, tlks, //21590, g (Iwai JAPAN 5/13)
 17750 AUSTRALIA RA in EG 0533, request songs, g (Rydzewski CA 5/21)
 17760 TURKEY VOT in TK 2200-0300, IS, ID, nx, folk songs, f-g (Iwai JAPAN 5/13) in EG 0306, nx, Turkish editorial review, travel info, g (Carson OK 5/12)
 17785nf? PAKISTAN RP in Burmese 0715, Koran, folk songs, nx, g (Iwai JAPAN 5/13)
 17790 PHILIPPINE IS. R. Veritas in HD 0300, IS, ID, t.l.k, g (Iwai JAPAN 5/14)
 17795 WEST GERMANY D. Welle in GM 2035, IS, sports recap, nx, exc (Carson OK 5/21)
 17800 FINLAND RP in FN 1545, sermon, mention 'Jumela' (God), //15185 (Wood HI 5/15)
 17815 BRAZIL R. Cultura in PT 2245, mx bridge, ID, classical guitar (Cichorek NJ 5/5)
 17850 SRI LANKA SLBC in EG 1058, pips, TC, ID, religious pgm, f (Park HI 5/13)
 17855nf? CHINA R. Beijing in EG *1200-1255*, nx, econ data, mx, f (Jordan PA 5/23)
 17875nf? COLOMBIA R. Nacional de Colombia in SP 0513, opera, ID, f (Brandi)
 17875 HONGKONG BBC relay in EG 2330, contemp mx, BBC ID's, f (Streitmatter 5/22)
 17890 UNITED ARAB EMIRATES R. Dubai in AR 0230, Koran, ID, nx, f (Iwai JAPAN 5/25)
 17910nf TUNISIA R. Tunis in FR 1901, mx, nx, ID, repl 115507, p (Brandi)
 21480 MADAGASCAR R. Nederlands relay in EG 1151, "Media Network", f (Park HI 5/25)
 21490 ASCENSION IS. VOA relay in SP *1130, ID in EG/SP, IS, nx, features (D'Angelo PA)
 21500nf GABON R. Japan relay in JP 0825, Grand Sumo tourney, p (Park HI 5/18) in FR 0600, nx, ID, g (Iwai JAPAN 5/13)
 21520nf SWITZERLAND SRI ending GM 0559, request rpts, into FR 0600, nx, g (Wood HI 5/15)
 21520 GABON R. France Int. relay in FR 1055, classical mx, ID's, TC, f (Park HI 5/10)
 21540 EAST GERMANY R. Berlin Int in EG 1157, mailbag, sports, mx, g (Levison PA 5/15)
 21550 FINLAND RP in SW 1345, political rpt, g (Wood HI 5/17)
 21555nf? ISRAEL Kol Israel in HB 1300, tlks, lite mx, ID 1330, f-p (Jordan PA 5/23)
 21605 UNITED ARAB EMIRATES R. Dubai in EG 1030, nx, wx, "Perspective of Learning in the Holy Qu'ran", into AR 1055, p (Wallace MA) in EG 1333, wx rpt (Carson OK)
 21635nf FRANCE RFI in FR 1531-1555*, FR songs, ID in EG, fqys (Tuchscherer WI 5/17)
 21640 GABON R. Japan relay in JP 0815, Grand Sumo tournament, p (Park HI 5/15)
 21665 ROMANIA R. Bucharest in EG 0559*, request rpts, xmsn to Africa, g (Wood HI 5/15)
 21670nf? SAUDI ARABIA BSKSA in AR 0900, Holy Koran pgm, //21510, g (Iwai JAPAN 5/28)
 21725nf? NORWAY RNT in NO/EG *0555, IS, nx, //15310, g (Wood HI 5/12)
 21735 PORTUGAL R. Liberty in RS 1530, ID, nx, cmntry, //17895, g (Iwai JAPAN 5/13)
 25790 SOUTH AFRICA RSA in EG 1400, nx, Beard's "Profile", //17745 (Calligan CA 5/11)
 25795nf YUGOSLAVIA RY in EG 1213-1229*, exotic flute mx, tlk re Mid-east regions and ethnic unrest, nx, IS, special features, g (Jordan PA 5/10)
 25850 DENMARK DR in DN *2000, ID in EG at s/on, xmsn to Greenland, annn that no QSL cards will be issued after 6/1/89 (Renfrew NY 5/11)
 25900nf UNITED ARAB EMIRATES Abu Dhabi in AR 1540-1600*, nx, g (Robertson CA 5/10) in AR 1155-1400, martial NA, tlks, flute mx, prayers, g (Jordan PA 5/10)

The following interesting report was sent in by Marlin Field of Hillsdale, Michigan about the student protests in China and the unfortunate aftermath: "11685 China, Radio Beijing at 0400, also 0300 on 9690, fairly good reception, and 11715, bad reception, very good on 11685. The night China declared martial law Radio Beijing carried the news basically as reported on CNN TV station (in the US). The next evening there was only one sentence about the demonstrations. On May 4, I heard the following at the beginning of the news:....." thousands of people, most of them innocent civilians, were killed by fully armed soldiers who forced their way in with tanks....local residents and students tried to block their way....soldiers continued to spray their bullets indiscriminately. Radio Beijing and this department mourn those who died in this tragic incident and appeals to all our listeners to join us in our protest of this gross violation of human rights.... most barbarous act against the people....Since that broadcast I have heard nothing about the demonstrations on Radio Beijing. I have been following this closely as we have a son and daughter-in-law in China, at Wuhan, where my son has been teaching English. The University has told them to leave—too dangerous there."

Editor's Note: Some reporters sent in as many as 25 or 30 loggings at one time. Please limit your contributions to no more than 10 of your best DX catches. Thanks to all who sent in their loggings this month with a special thanks to those who arranged them in frequency order and banded them together.

Thomas R. Sundstrom	:	Telex:	6502446376MCI UW
PO Box 2275	:	MCI Mail:	244-6376
Vincentown	:	The Source:	BCF811
NJ 08088-2275	:	CompuServe:	(send via MCI Mail)
Voice: 609-859-2447	:	Packet Radio:	W2XQ @ WB2MNF
Fax: 609-859-3226	:	Pinelands RBBS:	609-859-1910

It is still not too late to register for this month's ANARC convention. Media Network, SWL Digest and other such shows have kept you advised of the latest planned events and attendees. Look up the registration form in the past FRENEX bulletins, or download it from the ANARC BBS or Pinelands RBBS. We'll see you there.

The ANARC BBS was unavailable from June 26 to July 1 while Kirk moves back to Kansas City. Effective July 1, the ANARC BBS's new telephone number is 913-345-1978.

Thanks to Andy Wallace for the KNLS schedule. John Carson sends a schedule from Radio RSA and all schedules from the Trans World Radio outlets around the world. Nick Terrance has been been making heavy use of the fax machine these past months, and sent along schedules from R RSA and R Pakistan, among others. Kris Field sent along items from Czechoslovakia, Vatican State, AWR-Eu and Brazil. Jonathan Marks uploaded the current R Nederland Program Preview -- good through August -- to the BBS. R Beijing is sending its program previews on a regular basis now, and today the July edition was received. These are transcribed and posted both on the BBS and on the shortwave echo.

Notes in no particular order: Egypt continues to have the worst audio of virtually any station on the air; check out 9475 and 9675 at 02 UT. R RSA changed the printed frequency to NA at 14 from 17745 to 21535, at 02 9585 went to 9580. Extra or extended transmissions from Australia and Japan, among others, are now directed to China for the foreseeable future. Australia is using 17715 to China at 0400-0930, but it wasn't clear from the announcements what language was used. 21525 fills in for 1771b on weekends. Afghanistan at 19 on 15510 has quite a respectable signal. WRNO's 13720 evening transmission is suffering heavy interference from Prague's considerably stronger signal on 13715. Austria on 17870 to NA at 1130 is beaten up by a Chinese-language transmission, but the mixing audios make it almost impossible to understand either; I still can't pick out the second ID. Radio Beijing's French Guinea relay on 11685 at 04 suffers from interference by Radio Prague. Radio Africa is on new 7189 (ex-9852) after 20 UT. WSHB at 00 dropped 5 kHz from 7405 to 7400.

=====
 PC Software for PC/XT/AT/PS2 and compatibles: English Language SWBC Schedules, with a new feature of loading frequencies into the memories of the JRC NRD-525 and the Kenwood R-5000 from the computer. ASCII text file subscriptions for those without a PC compatible. Receiver computer control programs for the NRD-525 and R-5000. Utility Logbook for logging utility stations. For more information send a business-sized SASE to TRS Consultants (address above) or download information from the Pinelands RBBS.

Changes entered between 05/26/89 and 06/22/89.

ENGLISH LANGUAGE SW BROADCAST SCHEDULES: By Start Time

Compiled by Thomas R. Sundstrom, W2L6

Start End Time Line (UTC) (UTC)	Country	Station	Freq							Target Area	Notes	record Last Updated	
			01	02	03	04	05	06	07				08
0000	Australia	R Australia	21740	17795	17750	17715	15320	15240	15160	15140	As/Pac/PapNG	167/25 deg	06/02/89
0000	USA	WSNB	13760	7400							CA/SA/NE Canada		06/22/89
0050	Vatican State	Vatican Radio	15180	11780	9605						NA		06/05/89
0100	Australia	R Australia	21740	17795	17750	17715	15395	15320	15240	15160	As/Pac/PapNG		06/02/89
0100	Czechoslovakia	R Prague	15540	13715	11990	11685	9540	7345	5930		NA		05/30/89
0100	USA	VOA	15205	11740	11580	9815	9775	9455	6130		Caribbean/LA		06/11/89
0200	Argentina	RAE	9690								Americas	rot'd t/b on 11710	05/28/89
0200	Australia	R Australia	21740	21525	17795	17750	15395	15240	15160		As/Pac/PapNG	02 Sa	06/18/89
0200	Romania	R Bucharest	15380	11940	11830	9570	9510	5990			NA		06/03/89
0200	South Africa	Radio RSA	9615	9580	6010						NA		06/11/89
0200	Vatican State	Vatican Radio	11750	9650	7125						As/Aus/NZ		06/05/89
0255	Netherlands	Trans World Radio	11930	9535							NA/Carib		05/31/89
0300	Australia	R Australia	21740	21525	17795	17750	15395	15320	15240	15160	As/Pac/PapNG	Su/Mo -0530 : 01 03+	06/18/89
0300	Czechoslovakia	R Prague	15540	13715	11990	11685	9540	7345	5930		As/Pac/PapNG	02 Sa	05/30/89
0310	Vatican State	Vatican Radio	11725								NA		06/05/89
0315	France	R France Int'l	15300	15135	11995	11700	11870	9790	9745	9550	As/Afr/Ind/As/Eu	news/features in Eng	06/22/89
0330	United Arab Emirates	R Dubai	17890	15555	15435	11940					NA		06/11/89
0350	Italy	RAI	17795	11905							S As		06/17/89
0400	Argentina	RAE	9690								Americas	rot'd t/b on 11710	05/28/89
0400	Australia	R Australia	21740	21525	17795	17750	15395	15320	15240	15160	As/Pac/PapNG	02 Sa-Su	06/18/89
0400	Japan	R Japan	17765								60S/Asia	01-Xhina	06/12/89
0400	Romania	R Bucharest	15380	11940	11830	9570	9510	5990			NA		06/03/89
0425	Italy	RAI	9575	7275							Mediterranean		06/17/89

0945	1000	Australia	R Australia	15415	9760	9655	9580	5995	As/Pac/PapMG	06/02/89				
1000	1030	Australia	R Australia	15415	9770	9655	9580	5995	As/Pac/PapMG	06/02/89				
1030	1100	Australia	R Australia	15415	9770	9580	5995		As/Pac/PapMG	06/02/89				
1030	1110	United Arab Emirates	R Dubai	21605	17775	15435	15320		Eu/Afr	06/12/89				
1055	1257	Netherland Antilles	Trans World Radio	15345	11815				EMA/Carib	05/31/89				
1115	1130	Vatican State	Vatican Radio	21485	17840				CASAE Af	Sat -1400/Sun -1332				
1200	1230	Australia	R Australia	9770	9710	9580	7215	7205	6080	6080	06/05/89			
1200	1256	South Africa	Radio RSA	21590	9585				As/Pac/PapMG	06/02/89				
1200	1215	Vatican State	Vatican Radio	21515	21485	17845	17840		EMS Afr	06/05/89				
1300	1430	Japan	R Japan	11840					Aus/NZ/CASAE Af	06/05/89				
0430	0500	Swaziland	Trans World Radio	9760	9610	9550	7285	7255	7280	5055	4760 S Af	06/12/89		
0500	0600	Australia	R Australia	21740	21525	17795	17750	15395	15320	15240	15160	As/Pac/PapMG	only 1 freq/bnd used	06/05/89
0500	0700	Swaziland	Trans World Radio	11835	11760	11740	7285	7255	7200	5055	4760 S Af	only 1 freq/bnd used	06/18/89	
0500	0515	Vatican State	Vatican Radio	17730	15190	9645	6185					E Af	06/05/89	
0530	0600	Italy	AMR Europe	7125								Eu	06/14/89	
0530	0555	Romania	R Bucharest	21665	17745	17720	15380	15340				Afr	06/04/89	
0530	0600	United Arab Emirates	R Dubai	21700	17775	15435	11730					Far E/Aus/As	06/04/89	
0600	0630	Australia	R Australia	21740	21525	17750	15395	15320	15240	15160	11920	As/Pac/PapMG	#2 Sa-Su	06/18/89
0625	0640	Monaco	Vatican Radio	17730	15190							CAS Af	M-F	06/05/89
0630	0700	Australia	Trans World Radio	9485								UK	Su -1000	06/05/89
0645	0715	Romania	R Australia	21525	17750	15395	15320	15240	15160	11945		As/Pac/PapMG/Afr	#1 Sa-Su	06/18/89
0700	0730	Australia	R Bucharest	21665	17805	17720	15335	11940	11810			Pac	06/04/89	06/04/89
0700	0835	Swaziland	R Australia	21525	17750	15395	15320	15240	15160	9655		As/Pac/PapMG	#1 Sa-Su	06/18/89
0715	0730	Vatican State	Trans World Radio	11835	11760	11740	7285	7255	7200			S Af	only 1 freq/bnd used	06/05/89
0730	0800	Australia	Vatican Radio	17730	15190							CASAE Af	M-F	06/05/89
0800	0815	Australia	R Australia	17750	15395	15320	15160	9655				As/Pac/PapMG	06/18/89	06/18/89
0800	0855	Finland	R Finland	17800	15245							As/Pac/PapMG	Su -0900	06/18/89
0815	0830	Australia	R Australia	17750	15395	11720	9655	5980				Aus/SASE As	06/11/89	06/11/89
0830	0900	Australia	R Australia	17750	15395	11720	9655	5980	5995			As/Pac/PapMG	06/18/89	06/18/89
0900	0915	Australia	R Australia	15415	11720	9760	9655	5980	5995			As/Pac/PapMG	06/18/89	06/18/89
0900	1000	Japan	R Japan	17810	11840							605/As/0c	06/12/89	06/12/89
0915	0945	Australia	R Australia	15415	11720	9760	9655	9580	5995			As/Pac/PapMG	06/02/89	06/02/89

1300	1355	Romania	R Bucharest	17850	15365	11940	Eu	06/04/89
1300	1356	South Africa	Radio RSA	21590	17730		Ind/Pak/FE	06/05/89
1330	1400	United Arab Emirates	R Dubai	21605	17775	15435	Eu/Afr	06/04/89
1400	1500	Japan	R Japan	15195	11845	11815	60S/As/Ae	06/12/89
1400	1556	South Africa	Radio RSA	25790	21590	21535	UK/Eu/Af/NA/NE	06/07/89
1500	1600	Japan	R Japan	21700	11865	11815	60S/As/Ae/Eu/NE	06/12/89
1500	1530	Romania	R Bucharest	17745	17720	15250	As	06/04/89
1500	1600	USA	KMLS	11700			As	06/02/89
1500	1600	USA	WOCR	15690			06/17/89	
1500	1515	Vatican State	Vatican Radio	17870	15090	11955	As/Aus/NZ	06/05/89
1545	1600	Vatican State	Vatican Radio	21650	17730	15120	E Af	05/29/89
1600	1630	Swaziland	Trans World Radio	11835	11760	11740	EAS Af	06/05/89
1600	1640	United Arab Emirates	R Dubai	21605	15320	15300	Eu/Afr	05/31/89
1600	2200	USA	VOA	17870	17800	17785	Afr	06/11/89
1700	1730	Japan	R Japan	15195	11865	11815	60S/As/Ae	06/12/89
1700	1730	Sweden	R Sweden	9615	6065		Eu/Af	06/00/89
1730	1800	Romania	R Bucharest	17860	17805	15365	Afr	06/04/89
1800	1850	Brazil	R Bras	15265			Eu	06/14/89
1800	2000	Japan	R Japan	9695			60S/Asia	06/12/89
1805	1845	Swaziland	Trans World Radio	11835	11760	11740	E Af	06/05/89
1830	2300	USA	WOCR	15690			06/17/89	
1900	1930	Afghanistan	R Afghanistan	15310	11755		Eu	06/08/89
1900	2015	Swaziland	Trans World Radio	5055	4760		S Af	06/05/89
1930	2025	Romania	R Bucharest	11940	11810	9630	Eu	06/04/89
2000	2300	Equatorial Guinea	R Africa	7189			Af	06/17/89
2025	2045	Italy	RAI	11800	9575	7235	Near East	06/17/89
2030	2100	Australia	R Australia	9620	7205		As/Pac/Pap/MB	06/02/89
2030	2110	Japan	R Japan	11815			60S/Asia	06/12/89
2100	2130	Australia	R Australia	17795	15240	15160	As/Pac/Pap/MB	06/02/89
2100	2125	Finland	R Finland	11845	11755	6120	Eu/NE/Af/Aus/SASE	06/10/89
2100	2125	Romania	R Bucharest	15250	11940	9690	Eu	06/04/89
2105	2205	Syria	R Damascus	17710	12085		NA/Aus/NZ	05/28/89
2130	2200	Australia	R Australia	17795	15240	15160	As/Pac/Pap/MB	06/02/89

2130	2210	Japan	R Japan	11815		60S/Asia	81->China	06/12/89
2200	2400	Costa Rica	HRR Costa Rica	11870				06/17/89
2200	2225	Italy	RAI	11800	9710	Japan		06/17/89
2200	2400	United Arab Emirates	of UAE	13605	11985	MA		05/27/89
2205	2225	Vatican State	Vatican Radio	15105	11830	As/Aus/NZ		06/05/89

Changes entered between 05/26/89 and 06/22/89.

ENGLISH LANGUAGE DJ SHOWS: By Day of Week
Compiled by Thomas R. Sandstrom, W2XU

Shortwave DX Program	Show Name Start Time	Country	Station	Freq #1	Freq #2	Freq #3	Freq #4	Freq #5	Freq #6	Freq #7	Target Area
-------------------------	-------------------------	---------	---------	------------	------------	------------	------------	------------	------------	------------	-------------

** DAY OF THE WEEK: Sunday

Communications World	0110	USA	VQA	15205	11740	11580	9815	9775	9455	6130	Caribbean/LA
Bonaire Wavelength	0330	Netherlands	Trans World Radio	11930	9535						NA/Carib
World of Radio	2100	Costa Rica	R for Peace Int'l	25945	21565						

** DAY OF THE WEEK: Thursday

World of Radio	0030	USA	HRMO	7355							NA/CA
----------------	------	-----	------	------	--	--	--	--	--	--	-------

** DAY OF THE WEEK: Saturday

Communications World	2110	1600	USA	VQA	18780	17785	15600	15580	15445	15410	Afr
----------------------	------	------	-----	-----	-------	-------	-------	-------	-------	-------	-----

FOR SALE: ICOM R-71A in mint condition. Flawless and with narrow AM filter. Price \$675.00 or best offer. Jan Greenberg, 124 Meridian Avenue, Louisville, KY 40207.

FOR SALE: DX-160. Works fine, but speaker is not original. Price \$50.00 or best offer. Also Popular Communications from September, 1982 with ten issues missing. Price \$25.00 plus shipping. John Miller, 2620 Powell Drive, Thomasville, GA 31792

FOR SALE: R-390A in very good to excellent condition. Price \$300.00 or best offer. Shipping negotiable. Jeff Stover, 90 Susquehanna Avenue, Lock Haven, PA 17745. Phone (717) 748-6729.

FOR SALE: Back issues: FRENDX 1/86-9/88, \$18.00. Speedx 1/86-12/88, \$20.00. WRTVH '79-'85, \$25.00 for the set or \$5.00 each. Monitoring Times complete set 1982-88, \$125.00. RCMA Newsletter complete set 1975-88, \$125.00. Popular Communications 9/86-12/88, \$22.50. Shipping included. Ralph Stern, Box 1295, El Granada, CA 94018. Phone (415) 728-5204.

FOR SALE: WRTH '87 and '88, \$8.50 each. FRENDX '87 complete, \$7.00. Passport to World Radio '88, \$9.00. Gilfer Confidential Frequency List and Guide to RTTY Frequencies #6, \$5.00. Customized Beam Headings (from/to) and Distances (MI/KM) to over 435 WRTH-89 transmitter sites. Useful in selecting alternate transmissions and choosing listening times based on distances. ITU Country Codes included. Send your location/coordinates, \$6.00. All items include shipping. Cashiers check or money order, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398.

NO COLLECT CALLS ON THE ABOVE ADS, PLEASE.

NOTICE

Ads are printed in FRENDX at no charge to members whenever space is available. Ads cannot be repeated by request, to avoid errors, a new ad must be submitted for each issue. Send all ads to NASWA, 45 Wildflower Road, Levittown, PA 19057.



Fine Tuning is pleased to announce a joint venture with the Australian DX publication "OZDX." Beginning in November, 1988, OZDX members undertook a three month effort to update and confirm the data base of Indonesian SWBC stations created by Fine Tuning and first published in North America in August, 1988. The Australian effort is complete and the data base has been updated by data base manager, FTer Jon Williams of Indianapolis, IN, USA.

Fine Tuning will complete a similar update effort in July and will publish a 1988 Indonesian Survey in August, 1988, for North American DXers. Those who purchased the 1988 Indonesian Survey from FT can receive a four page "Mid-Year Indo-Updater" containing all of the Australian changes to the 1988 Survey by sending a #10 SASE to FT, Special Publications, c/o John Bryant, Rt. 5, Box 14, Stillwater, OK, USA 74074. DXers wishing to purchase the "1988 Survey of Indonesian Stations" (\$4.00 + \$1.00 S+H) or the indepth study of Indonesian SWBC called "DXer's Handbook...Indonesia" (\$6.00 = \$1.00 S+H) may still do so through John at FT Special Pubs.

Discover the World OF INFORMATION *In Proceedings 1989*

Fine Tuning's *Proceedings 1989* is this year's must have collection of in-depth reviews, articles, and features for the SWBC DXer.

This second edition follows in the footsteps of last year's successful publication. Because of the volume of information, *Proceedings 1989* is presented in a photo-reduced format (equivalent to 300 typewritten pages).

Proceedings 1989 is a true heavy-weight in SWBC journalism.

What makes this publication unique?

Although written clearly, it is NOT a primer for the uninitiated.

Every article thoroughly examined by a review panel of top-notch, respected DXers.

Each article edited for clarity by Senior Editor Fritz Mellberg, a leading DXer with extensive journalism experience.

Proceedings 1989 is an essential reference for anyone wishing to increase their enjoyment and expertise as a SWBC DXer.

Highlights in this volume include:

A hard-nosed look at the NRD-525, warts and all.

An in-depth review of the fabled Collins 51J4 receiver.

Four reviews of add-on synchronous detection units.

A detailed study of propagation through the auroral zone.

Articles on directional antennas for shortwave, as well as a "field guide" to practical beverage antennas.

Three superb DX features on Brazil, the Arab world, and Java.

An extensive-- and useful-- collection of hints, tips and resources for the DXer. This section is packed with helpful data.

These DXers are preparing major articles for *Proceedings 1989*:

David Clark, Rich Arland, Chuck Bolland, Joe Farley, Mitch Sams, Mark Connelly, John Bryant, Dallas Lankford, Gerry Bishop, Kevin Atkins, Jon Williams, Chuck Mitchell, Guy Atkins, Gene Pearson, Tom McElvey, Bill Sparks, Hans Johnson, John Fisher, Don Moore, Jerry Berg, Don Jensen, Fritz Mellberg, Jerry Strawman, and Nick Hall-Patch.

Proceedings 1989 will be mailing in mid-August. Don't delay your order... last year's copies disappeared fast. *Proceedings 1989* costs \$19.50 plus \$2.00 postage. Outside of North America, postal costs are \$3.00 surface book rate or \$15.00 airmail. (US funds on a US bank, please). Make checks or money orders payable to Fine Tuning Special Publications and mail to:

Fine Tuning Special Publications
c/o John H. Bryant
RRT #5, Box 14
Stillwater, OK 74074 USA



F I N E T U N I N G

DecalcoMania
The AIRCHECK- and Promotions-
Collectors' Club

Club Press Release

May 18, 1989

Effective immediately, the DecalcoMania club address for sample bulletin orders and information requests has been changed. The new contact address is:

Doug "Leo" Hanbury
1521 - 68th Street
Des Moines, IA 50311

Information requests must include a self-addressed stamped envelope to be answered. Sample bulletins are available, to US addresses for \$1.50, to Canada for \$1.80, or to other countries at \$2.50. This can be paid in cash (US or Canadian),* check/mo (US funds ONLY), or in unused US postage stamps. (* - Canadian \$2)

The publishing office remains in Chicago, at the usual location:

Mark Strickert
3852 N. Oconto Avenue
Chicago, IL 60634

All membership dues, club book orders, etc. go through the Chicago address. The annual dues are currently \$13.00 for US members, \$14.75 (US) to Canada or \$25.00 for members in other countries. This MUST be in US funds (thanks to $\epsilon\mu\acute{\alpha}\phi\theta\epsilon\psi\iota$? US bank exchange fees). For the mildly squeamish, we do have a one-time, 6-month "trial" membership (\$7 US / \$8.50 (US) Canada / \$14 elsewhere).

DecalcoMania has served, and been served, by traders and collectors of broadcasting airchecks (recordings) and promotions (stickers, T-shirts, music playlists, etc) since 1982. If you engage in any of these hobbies, or have any interest in them and/or radio/TV in general, then DecalcoMania is YOUR club! Please write soon to the appropriate address above.

CANADIAN INTERNATIONAL DX CLUB

Sheldon Harvey
79 Kipps Street
Greenfield Park, Quebec
CANADA J4V 3B1

TEL: (514)-462-1459

THE 1ST ANNUAL MONTREAL SHORTWAVE RADIO FESTIVAL

The CANADIAN INTERNATIONAL DX CLUB, Canada's national radio monitoring club is pleased to present the 1st Annual Montreal Shortwave Radio Festival to be held Saturday, July 22, 1989, from 9:00 AM to 2:00 PM at the Royal Canadian Legion Branch #94, 205 Empire Street, at the corner of Churchill Blvd. in Greenfield Park, Quebec. The festival is open to all radio hobbyists, as well as to the general public.

The latest in shortwave radio equipment will be on display. There will also be CIDX representatives present with a selection of free literature prepared to introduce you to the world of international shortwave radio monitoring. Our representatives will be available to demonstrate the equipment, plus to answer your questions regarding all aspects of shortwave radio monitoring. Guest speakers from the world of shortwave broadcasting will be in attendance with various lectures being conducted throughout the day on different aspects of the radio monitoring world. A selection of frequency lists, programme schedules and promotional material from the international shortwave broadcasters will also be available, while they last. Various radio books and publications will be on sale as well. So plan to arrive early and spend the day learning about the exciting world of international radio monitoring. Admission to the festival is free of charge. Coffee, doughnuts and soft drinks will be available. Raffle tickets will be available at the door for a selection of prizes to be awarded throughout the day.

Beginning at 3:00 PM, we will hold the 5th Annual CIDX Bar-B-Q. The cost for the bar-b-q is \$5.00 per person, which includes the food and non-alcoholic beverages. Those wishing beer or liquor are requested to bring their own. This is a social gathering, held at my home in Greenfield Park. For out of town guests, Greenfield Park is located about 15 minutes south of downtown Montreal. Hotel rooms have been reserved, in a limited quantity, at the Quality Inn Hotel Le Boulevard, 6680 Taschereau Blvd. in Brossard, Quebec, just minutes from the festival and bar-b-q locations. A special rate of \$65 Canadian, double-occupancy has been obtained for those attending the festival. This rate will be honoured both before and after July 22. For baseball fans, tickets may be obtained for Sunday afternoon, July 23 at the Olympic Stadium for the game between the Cincinnati Reds and the Montreal Expos.

For complete details and registration forms, please forward a self-addressed, stamped envelope to Sheldon Harvey, 79 Kipps Street, Greenfield Park, Quebec J4V 3B1 or telephone 514-462-1459.



NORTH AMERICAN SHORTWAVE ASSOCIATION

45 Wildflower Road
Levittown, Pennsylvania 19057

FIRST CLASS MAIL
U.S. POSTAGE
PAID
Levittown, PA
Permit No. 319

FIRST CLASS MAIL

Hugh Miller (1)
6400 Maltby Road
Woodinville, WA 98072

NASWA

"UNITY AND FRIENDSHIP"

PUBLISHES *FRENDX* MONTHLY

NASWA MEMBERSHIP FEES:

First Class North America	\$18.00
Overseas - Surface Mail	\$18.00
Airmail to Central America, Caribbean, Venezuela and Colombia	\$25.00
Airmail to South America and Europe	\$27.00
Airmail to Asia, Africa and Pacific	\$30.00

All remittances must be in U.S. Funds and mailed to:

NASWA, 45 Wildflower Road, Levittown, PA 19057, U.S.A.

Besides *FRENDX*, NASWA also publishes *DXtra* ... a mid-month newsletter with the very latest DX news while it's still news. It is available only to NASWA members:

DXtra

DXtra SUBSCRIPTION RATES PER YEAR:

North America (First Class)	\$4.00
Overseas (Airmail)	\$6.00
Sample copies of <i>FRENDX</i> and <i>DXtra</i> are available for:	
North America	\$1.00
Overseas	\$2.00

EXECUTIVE DIRECTOR - R. Charles Rippel, 1272 Parkside Pl., Virginia Beach, VA 23454
PUBLISHER & BUSINESS MANAGER - Bill Oliver, 45 Wildflower Rd., Levittown, PA 19057
EASY LISTENING - Alex Batman, 300 Hill St., Apt. 6, Boone, NC 28607
DXERS FORUM - Rowland Archer, 5524 Hawthorne Park, Raleigh, NC 27613
TECHNICAL TOPICS - Ted Benson, 14705-B Watsonville Rd., Morgan Hill, CA 95037
LISTENERS NOTEBOOK - Bruce MacGibbon, 2295 NE Juniper Ave. Gresham, OR 97030
QSL REPORTS - Sam Barto, 47 Prospect Place, Bristol, CT 06010
DXtra - Bob Hill, 15 Stirling St., Andover, MA 01810
DISTRIBUTING EDITOR - Kris Field, 431 Babylon Rd., Ambler, PA 19002-2302
LOG REPORT A - Bob Brown, P.O. Box 591, Colmar, PA 18915
LOG REPORT B - Sheryl Paszkiewicz, 1015 Green St., Manitowoc, WI 54220
LOG REPORT C - Jerry Irvine, P.O. Box 5204, Hidaigo, TX 78557
LOG REPORT D - Wallace C. Treibel, 357 N.E. 149 St., Seattle, WA 98155
ENGLISH SCHEDULES - Tom Sundstrom, P.O. Box 2275, Vincentown, NJ 08088
SCOREBOARD - Jerry Lineback, 3959 Castle St., Douglassville, GA 30134
AWARDS PROGRAM - John Kapinos, 86 S. Quinsigamond Ave., Shrewsbury, MA 01545
COUNTRY LIST - Don Jensen, 5204 70th St., Kenosha, WI 53142