

SPEEDY

SPEEDX

the dx radio magazine
for active shortwave listeners



MARCH 1983

VOL 13 - 3

SEE -- WHAT DID I TELL YOU!

SKIPPER THURMAN
Chicago, IL
ROBERT THUNBERG
DuBois, PA
TERRY HENDRICKS
Ft. Bragg, CA

JIM GAYLORD
Tacoma, WA
MICHAEL WELCH
Ames, IA
NELSON TAILLON
Elkford, Canada

CHARLES THURMAN
Hattiesburg, MS
MASON BAIR
Martinez, CA
DONALD HEIN
Allentown, PA

We know it's hard to believe, but there actually are eight new Full Members and 66 neophytes for a glorious total of 74 on the March list! It's a new record for this column since we became Le Redacteur.

To the new Full Members, SPEEDX offers its congratulations on winning your spurs. Proudly display that Certificate on your wall, carefully read and study your copy of the SPEEDX Constitution, and keep those good Reports coming in! Maintain your status by helping your fellow hobblists.

And to our super 66 new SPEEDXers, a warm welcome and a few words of advice. The sooner you get cracking, the sooner you'll be a Full Member. Reporting's the name of the game. Send in your loggings, station skeds, and other items of interest to your fellow SPEEDXers. The name and address of each Editor is at the top of the column to which you'll be submitting material. All your items must be in the Editor's hands by the 12th of the month. If you find stamps a bit expensive (and who doesn't?) you can send all your reports to our Central Distribution Editor, Peggy Thompson, 2706 Alabama St., La Crescenta, CA 91294 so they're in her hands by the 7th of the month. Remember to cut all your items apart so she can send them along to the various Editors. Taint hard, my friends, so do it!

SPEEDX PROJECTS COORDINATOR ASKS HELP, OFFERS 'MEMBERSHIP POINTS'

A whole series of new and helpful SPEEDX booklets is on the fire, and our Projects Coordinator, Kraig Krist, is looking for contributors, editors, and typists to help move the work along. Booklets, already in the planning stage, include: Apartment SWL-Tips & Techniques, Receiver Review (based on actual experience), Add-On Gear Review, Harmonic Primer, SW Supplier Review (who has what available, problems), QSL Guide (station by station look at what's needed, besides a reception report, to get a QSL), Pennant Guide (how can you get pennants from SW stations). If you have an idea for some other helpful booklet, send that along, too. You can either send in bits of information, or do a whole booklet yourself! Write Kraig for booklet guide lines. You'll help your fellow SPEEDXers, earn Full Membership Points (number depending on contribution), and your name will appear in the publication you help. Any questions or ideas? Send 'em along to Kraig W. Krist, 2017 Edgar Ct., Falls Church, VA 22043 USA. Being a sterling character, Kraig promises to answer all letters.

HQ OFFERS HELP FOR UTE BUFFS, TOO

According to Don Johnson, SPEEDX HQ now stocks the newer Utility Reporting Forms that Mike Chabak prefers, as well as the form for reporting Number Stations. Price is the same as for our QSL and SWBC forms, 6¢ per, with a min. of 10 forms ordered at one time. No maximum. Forms may be mixed if you wish -- 3 QSL, 2 SWBC, 1 No Sta, 4 UTE, or whatever, all of a kind or a mixed bag, but please be sure to ask for just what you want. Pay in unused US stamps, cash, check or jars of peanut butter, says Don. Our Guru also needs a 1980 WRTX in reasonable condition to complete his set. Send a card stating price and condition to Don Johnson, P.O. Box E, Lake Elsinore, CA 92330.

SNIPPITS, BITS AND PIECES, THIS AND THAT, AND SUNDRY GOODIES

From P. Thompson, CA: KGEL is issuing a QSL for test transmissions on a new antenna (heard on 6005 at 0400). Report to KGEL, P.O. Box 15, San Francisco, CA 94101. From Hecht, PA: WRNO offers "Piece of the Rock" T-Shirts for \$6 plus \$2.50 for postage, or \$6 plus 7 IRCs. Write to: WRNO Worldwide, T-Shirt, P.O. Box 100, New Orleans, LA 70181. From Don Mc Cants, AL: Want to join? Write to World Ass'n of Christian Radio Amateurs & Listeners, Micasa, 13 Ferry Rd., N R Hull HU7 5XU, England. CONGRATULATIONS to SPEEDXer Sandy Manning, TX, a baby girl on Jan. 27, Susan Amanda, 7 lbs. 10 3/4 oz. Is she DXing yet, Sandy? From P. Dampier, NY: Logged & verified KYOI-SW, Saipan, CM 969, Northern Mariana Islands. Will take EE reports and appreciate return postage. Get 'em in early!

TWO PAGES DOWN AND LOTS MORE TO GO -- BUT this is HAP month and we gracefully yield to the HAPpiest HAP, Al Schwaneke! See ywall -- 73

Handwritten signature



HAP-USA
ROUTE 4 - BOX 32
ROLLA, MO
65401

HAP-PENINGS

VOLUME XI

NUMBER 1

MARCH 1983

NEW MEMBERS! It seems only proper to introduce the new members since the December page. So, welcome to the following new HAP-USA members:

Roland Nureni Kamoru	HAP-301	Bloomington, IN	December 6, 1982
John F. Ring	HAP-302	Richmond, VA	December 6, 1982
Mrs. Irma M. Nagle	HAP-303	Belleville, IL	December 7, 1982
Miss Carol Bartlett	HAP-304	Corfu, NY	December 26, 1982
Miss Carol Siegel	HAP-305	Baltimore, MD	January 10, 1983
Robert U. James	HAP-306	Los Angeles, CA	January 26, 1983
Richard T. (Rick) Lewis	HAP-307	Bakersfield, CA	January 28, 1983
Marie Mear	HAP-308	Los Angeles, CA	January 28, 1983
Richard W. Phelps	HAP-309	Bellevue, WA	February 9, 1983

THE NATIONAL LIBRARY CASSETTE FORMAT: The National Library Service (NLS) established by the Library of Congress uses a special format for recording written materials onto cassette tape for the blind or handicapped. They record 4 tracks on the tape at 15/16-inch-per-second, half the regular speed. The NLS system is not compatible with regular stereo equipment, even if the stereo player has the slower speed. Tracks 3 & 4 are backwards for the regular stereo format. With C90 cassettes, the NLS system allows 6 hours of recording on one cassette. As you can see, this is what we need for recording teaching articles or book chapters to teach radio to our blind HAPIes. For example, the Morse code course in the HAP-USA library takes up 20 C60 cassettes. With the NLS system, it could be put on 3½ cassettes! (or 4 with more practice material)

For the last two years, HAP-USA has been trying to get either a grant for, or a donation of a recorder and duplicator for using the NLS system. We have not been successful. So, I have decided to go ahead with the suggestion by Gene Nix, an SWLer (not a HAPIe) from Wyoming. He suggested that HAP-USA set up a special fund into which interested SWLers or DXers could contribute. We'll call it the Four-Track Cassette System fund. Now, we're not talking about small potatoes here. A recorder of commercial reliability, modified for the NLS system can be obtained for around \$150 to \$300. However, the cost of 4-track commercial duplicators (stereo duplicators) that will produce duplicates at a reasonable rate, usually 2 or more duplicates in one pass, range from around \$2000 to \$2500. I've seen one for \$1800 (\$1795) but it's a little slower. Anyhow, let's see if we can do it. \$2500 is more than half the yearly budget of HAP-USA. D'you suppose we can get a special fund to make it while we keep our present operations going at the present rate? Our membership is constantly increasing, and costs keep going up! I would like to challenge the SWL community to dig deeper than ever before to keep HAP-USA going, and at the same time, generate enough funds to get an NLS cassette system for our approximately 60% blind members. Remember, gifts to HAP-USA are tax deductible. We will verify for you if you wish.

I should remark that the recording of the monthly newsletter, HAP-penings, on cassette has led to an overwhelming response from those who receive it. Right now, I mail out and receive back about 120 cassettes each month. We use a regular mono-2-track system with a duplicator that produces one cassette at a time. I don't know how long it is going to last, but so far it has only needed minor repair and maintenance.

HAP-USA has recently received several donations of receivers and other equipment. These gifts, and the donations through your clubs, are really appreciated. There just isn't room to list all of you who have given, but we know and thank you.

By the way, items donated through Sam Barto, who raises funds for HAP-USA and HAP worldwide, are verified by him. He will furnish the tax record for items sent to him.

I will be at ANARC '83. In the past, HAP-USA used to make recordings of the conventions available to those who couldn't attend. I hope we can do this again.

I always run out of space before I run out of news. BCNU. Cheerio from HAP-USA, and A1. See you at ANARC '83.

PROGRAM

MARCH 1983

WOODY SEYMOUR, JR.
P. O. BOX 848
SANFORD, NC 27330

PANORAMA

FIVE YEARS OF PROGRAM PANORAMA...This month marks the end of this column's fifth year. As we enter the sixth year, thanks to all past contributors. With the continued support of the membership, Program Panorama will strive to bring you information which will make your shortwave listening more meaningful and enjoyable.

BULGARIA...Radio Sofia broadcasts to Europe and North America daily in English at the following times (and frequencies): 0000-0100 UTC (9700, 11720); 0400-0500 UTC (7115); 0730-0800 UTC (9700, 15110); 1930-2000 UTC (9700, 11720); 2130-2200 UTC (7115, 9665, 9700); 2230-2330 UTC (9700, 11720). Programs include: Mon ECONOMIC OUTLOOK, SPORTS ROUNDUP; Tue LIFESTYLE, AMONG THE PEOPLE (2nd, 4th weeks), CULTURAL OUTLOOK (1st, 3rd weeks); Wed THE SOCIALIST WORLD OF TODAY (2nd, 4th weeks), YOUTH CORNER, ACROSS THE MAP OF BULGARIA (1st, 3rd weeks), STAMP SLOT; Thu MOSAIC OF FACTS ABOUT BULGARIA, MIDWEEK MAILBAG; Fri FROM FRIDAY TO FRIDAY (program guide for the following week), DX PROGRAM, SCIENCE WORLD (1st week), NATURE ALMANAC (2nd), HOBBY TIME (3rd), LETTER FROM SOFIA (4th); Sat TOPICAL STUDIO and POP HOUR (1st week), THE OLD TREASURE BOOK and CLASSICAL MUSIC REVIEW (2nd), TOPICAL STUDIO and BULGARIAN FOLK (3rd), THE OLD TREASURE BOOK and SCANNING THE PAGES (4th); Sun ANSWERING YOUR LETTERS, WALKS and TALKS, SIGHTS AND SOUNDS, IN AND AROUND SOFIA (1st week), SPECTRUM (2nd), YOUTH MAGAZINE (3rd), CULTURAL LIFE (4th). (Bill Shamblin, Jr., CA; E. Wormwood, NY; John Demmitt, PA; Randy Moss, CA; Craig Krist, VA; Donald McCants, AL; Steve Sienicki, NJ)

ECUADOR...There's a new shortwave station to listen to from this country. Radio Nacional de Ecuador broadcasts in Spanish from 2200-0030 UTC daily on 15115. Programming includes NEWS, COMMENTARY and THE HISTORY OF ECUADOR. There will also be heard a brief NEWSCAST in the Quechua language. The address of the station is Box 13, Quito. (DX PARTY LINE via William P. Muzyka, NY).....I recently heard QUITO CALLING INDIA (as mentioned in last month's column). The program consisted of 10 minutes of REGIONAL NEWS, followed by a feature program. One interesting aspect of the broadcast was that, even though HCJB originates the program, the name HCJB was not mentioned once during the entire broadcast! It makes for interesting listening. (WS)

EGYPT...Radio Cairo has made some changes in its program lineup in English to North America from 0200 to 0330 UTC on 9475 and 12000 kHz. Here is the new schedule: Daily NEWS 1 @ 0215, NEWS 2 @ 0315; Daily exc Fri 0202 EGYPTIAN MUSIC; Fri 0202 KORAN. Other programs are as follows: Sun 0205 DX CLUB 0225 COMMENTARY 0235 ROUNDABOUT 0245 LISTENERS MAIL; Mon 0205 MAIL CALL 0225 BETWEEN EGYPT AND AMERICA 0240 WOMAN'S CORNER 0250 FAVORITE MELODIES 0305 PAGES FROM EGYPT'S HISTORY; Tue 0205 DX CLUB 0225 SPOTLIGHTS ON THE MIDDLE EAST 0235 ARCHEOLOGY IN EGYPT 0250 FROM PAPYRUS TO PAPER 0300 TOURISM IN EGYPT 0310 EGYPTIAN SONGS; Wed 0205 QUESTIONS AND ANSWERS 0225 COMMENTARY 0235 ISLAMIC CIVILIZATION IN EGYPT 0245 LISTENERS MAIL; Thu 0205 MAIL CALL 0225 EGYPT IN WORLD AFFAIRS 0235 CAIRO THIS WEEK 0250 SNAPSHOTS 0300 QUIZ TIME 0310 TALK; Fri 0210 QUESTIONS AND ANSWERS 0225 PRESS REVIEW 0235 THIS IS ISLAM 0245 LISTENERS MAIL; Sat 0205 MAIL CALL 0225 CURRENT EVENTS 0235 READERS CORNER 0245 STAMPS COLLECTORS CLUB 0255 EGYPTIAN MUSICALS 0305 EGYPTIAN SONG. (Thanks to Cal Craig, OH for this new schedule)

FRANCE...Radio France International is considering a morning show for Africa. Phil Wettensten of OH writes in the January 1983 issue of Review of International Broadcasting that he heard this announcement during the "Listener Letters" segment of PARIS CALLING AFRICA. The program would be an English one similar to PCA, and it would begin in 1983. He adds that "RFI did not say it was a certainty."

GUATEMALA...TGNA's English lineup is as follows(all days and times UTC):
Mon(Sun night in local time) 0030 UTC Sign On, MUSIC IN THE POST MERIDIAN, 0100 WORDS OF HOPE 0130 MUSIC IN THE POST MERIDIAN 0200 SONGS IN THE NIGHT 0230 MUSIC IN THE POST MERIDIAN 0300 RADIO BIBLE CLASS 0330 MUSIC IN THE POST MERIDIAN 0400 ON THE MOVE 0410 MUSIC 0430 Sign Off;
Tue through Sun UTC schedule has English from 0300 to 0430 UTC. Tue through Sat has BACK TO THE BIBLE @ 0300, with THRU THE BIBLE @ 0330. From 0400 to 0430, you can hear: Tue HERITAGE Wed MOODY PRESENTS Thu NEW LIFE Fri FIRST BAPTIST CHURCH Sat SONGS IN THE NIGHT. Sun's line-up is 0300 BACK TO THE BIBLE, followed by THRU THE BIBLE QUESTION AND ANSWER PROGRAM and DR. BARNHOUSE AND THE BIBLE. Try 3300 KHz. (Don McCants, AL).....Adventist World Radio broadcasts from 2330 to 0330 UTC on 6090 kHz. The first two hours of the broadcast are in Spanish, while the final two hours are in English. Here is the English schedule for AWR(all days and times UTC): Mon(Sun night in local time): 0130 YOUR STORY HOUR 0200 DX AND SACRED MUSIC(an interesting combination!-WS) 0215 THE QUIET HOUR 0245 DX AND SACRED MUSIC 0300 YOUR STORY HOUR; Tue through Fri features are: 0130 THE VOICE OF PROPHECY 0200 DX AND SACRED MUSIC 0215 YOUR STORY HOUR 0245 DX AND SACRED MUSIC 0300 THE QUIET HOUR; Sat: 0130 VOICE OF PROPHECY 0200 SACRED MUSIC(apparently no DX on this night!-WS) 0215 YOUR STORY HOUR 0245 SACRED MUSIC 0300 THE QUIET HOUR; Sun 0130 VOICE OF PROPHECY 0200 DX AND SACRED MUSIC 0215 YOUR STORY HOUR 0245 DX AND SACRED MUSIC 0300 THE QUIET HOUR. The transmission closes down each night at 0330 UTC. (Chris Stark, NB)

PHILIPPINES...Here's the latest schedule for Radio Veritas Asia (0000-0030 hours UTC on 15195 and 15280):Sun ASIAN MEMORANDUM, VOICE OF THE SHEPHERD; Mon OUR DAILY BREAD, YOUR BROTHER-THE FILIPINO; Tue THE HEALTH FACTOR, COLLECTOR'S ITEM; Wed WOMEN OF ASIA, CLASS DISMISSED!; Thu SAINTS FOR OUR TIMES, THE HEART AND ART OF ASIA; Fri EARTH FILE, THIS WONDERFUL WORLD; Sat PEACEMAKERS, DATELINE ASIA. (1430-1500 UTC on 11955 and 15215): Sun TEMPLE INVISIBLE, MOVE ON!, CHURCH IN THE WORLD; Mon LISTENERS INTERNATIONAL, ASIAN EXPERIENCE; Tue TECHNOVATION, YOUR CHOICE OF MUSIC; Wed CHILDREN'S FUNTIME, SPOTLIGHT; Thu FROM A FRIEND, FAIR SHARE; Fri METAMORPHOSIS, ENCOUNTER; Sat THE LIVING WORD, SPORTS NEWS. The transmissions end with NEWS. (John H. Demmitt, PA)

UNITED KINGDOM...BBC World Service plans an outstanding lineup for March. Among the special programs is a new series on MARITIME ENGLAND. Each week for five weeks, a different guide will take you to a Maritime area in the country. The areas are: 1. DOVER AND THE HISTORIC CINQUE PORTS(Rye, etc.) in the Southeast; 2. SCARBOROUGH in the Northeast; 3. EAST ANGLIA; 4. BLACKPOOL AND LIVERPOOL in the Northwest; 5. SOUTHWEST OF ENGLAND. The programs begin on February 27 and can be heard on Mon 0315, 1415, Thu 1015, Fri 2145 UTC.....MARK AND MARXISM is a series of four programs that mark the centenary of Marx's death. Tune in Sun 1430, Fri 0230, 1830 UTC.....ASSIGNMENT looks at Central America on Wed 2030, Thu 0230, 1130, 1615 UTC. (London Calling, 3/83)

USA...The Voice of America broadcasts in English to Europe daily 0300-0700 and 1700-2200 UTC. Programs are:(0300-0700) THE BREAKFAST SHOW--News, informal presentation of popular music with feature reports, interviews, answers to listener questions, science digest, news summary at 30 min. past hour; (1700-2200): Sun 1700 NEWS 1710 CRITIC'S CHOICE 1730 SPECIAL ENGLISH NEWS AND FEATURES 1800 NEWS 1810 TOPICAL MATERIAL 1830 ISSUES IN THE NEWS 1900 NEWS 1910 COMMENTS 1930 MUSIC USA(Standards) 2000 NEWS AND EDITORIAL 2015 CONCERT HALL 2100 NEWS AND NEW PRODUCTS USA, NEW HORIZONS IN SCIENCE 2130 STUDIO ONE; Mon-Fri 1700 NEWS, MAGAZINE SHOW 1730 SPECIAL ENGLISH NEWS AND FEATURES 1800 NEWS, TOPICAL MATERIAL 1830 Mon MUSIC USA(Standards) Tue NOW MUSIC USA Wed NOW MUSIC USA Thu NOW MUSIC USA Fri COUNTRY MUSIC USA 1900 NEWS, TOPICAL MATERIAL 1930 DATE-LINE 2000 NEWS AND EDITORIAL 2015 MUSIC USA(Jazz) 2100 NEWS, WORLD REPORT; Sat 1700 NEWS, THIS WEEK 1730 SPECIAL ENGLISH NEWS AND FEATURES 1800 WEEKEND 1900 NEWS, AMERICAN VIEWPOINTS 1930 PRESS CONFERENCE USA 2000 NEWS AND EDITORIAL 2015 MUSIC USA(Jazz) 2100 WEEKEND. (Joe Hukill, MT)



Next month, Radio Kiev. Until then, Good listening! *Wings* 2/19/83



TECHNICAL TOPICS

Editor

SANDY BLAIZE

AVC	SSB
AGC	LSB
GAIN	FADE
TUNER	NOISE
IMAGE	Smeter

Send Technical Questions & Technical Material To: ➔

E. V. "SANDY" BLAIZE
417 RIDGEWOOD DRIVE
METAIRIE LA 70001

NEW SONY RECEIVER??? There are some rumors that SONY will soon release?? an "update" of the ICF2001 digital receiver. Presumably, to compete with the newer generation of digital sets like the Kenwood R-2000 and the ICOM R-70. No details have been given, but attendees at the NASWA/SPEEDX/ANARC et al Convention may be treated to some advance information. SONY (USA) has been very tight lipped about new products, so you may not REALLY get the dope until later on this year! (If they do their usual "thing"!) Reports coming in this Editor's mailbox seem to favor the ICOM R-70 over the new Kenwood R-2000. Before you spend all those bucks, it might be wise to listen to one yourself and see how the performance is firsthand. "Reviews" of a set are all well and good, but nothing beats listening yourself!

SINCLAIR COMPUTER problems....Wavy lines all over the place messing up the display on your TV???. The "ultimate" cure is to replace the rf modulator that works on VHF channels 2/3 with a UHF modulator unit. This costs extra bucks and you will probably have to have someone else do the job! A "cheapie" fix can be had by simply attaching the stripped end of a 2-3 ft. length of common 22 or 20 guage stranded hookup wire to the shell of the computer RF cable where it goes into the "computer/TV" interface switch unit. Take the other end and try various positions on top of, in back of, or around the TV and you will find a position that will clear up the interference completely or at least minimize it. What you are doing is "phasing" out the signal that is being radiated by the computer and picked up by the TV. (This signal not coming thru the coaxial cable!) Speaking of SINCLAIR machines, TIMEX is soon planning to release the USA version of the SINCLAIR "Spectrum" which is a color machine with a better keyboard and more features than the ZX-81/TS1000. The Timex-Sinclair TS-2000 is to be released sometime during the second quarter of 1983. Also in the works is the SINCLAIR ZX-83...a completely portable package..will consist of a computer, flat screen video display, built-in disc drive (and printer??). "Uncle Clive" Sinclair wants to compete with the new generation of portable computer coming on the market. Look for many very exciting things to happen this year in 8-bit computers for the people with "thin pocketbooks"!!

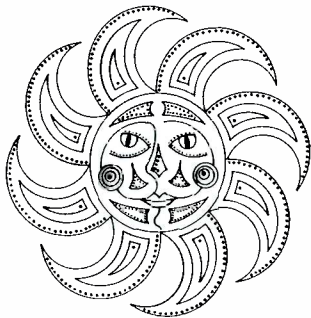
AMTOR APPROVED: The FCC has approved the use of the "SITOR" or "ARQ" system of RTTY commonly being used in the Merchant Maritime industry, on the amateur bands. It might be wise, if you are contemplating the purchase of some sort of RTTY reader/display, to see if provision has been made for expansion into this mode of operation. "AMTOR/SITOR" signals can be heard on the maritime bands and most frequently around 14080 Khz. on the amateur bands. They sound rather like a cricket chirping at a 2 Hz. rate! No doubt, when the "ham" fraternity finds out just how good this system is, they will rapidly convert to it, just as has the Merchant Marine. More details as data becomes available in future issues.

WWV DATA: A very complete booklet is available from NBS on Radio stations WWV/WWVH entitled: "NBS TIME & FREQUENCY DISSEMINATION SERVICES"-NBS Special Publication 432. The book covers all the information transmitted by WWV/WWVH broadcasts. If you are interested in any phase of NBS broadcasts, you need this booklet. Mail requests with \$2.00 to U.S. Department of Commerce, National Bureau of Standards, Washington, DC, 20234.

 Missing Column!!! Sorry for the missing column last month, but this was unavoidable due to other commitments at work. Thanks to all of you for your letters and help. See you all next month.

73 and DX!!

Sandy



SPEEDX Western Hemisphere

STILL **EDITOR: Chris Hansen**

P.O. BOX 1226
NEW YORK, NY 10159

PHONE: 212/549-6613 2230-0430 WEEKDAYS

ANY DECENT TIME WEEKENDS

Deadline: 12th

All times and dates UTC, All fqys in kHz

MARCH 1983

I'D LIKE TO THANK ALL THOSE WHO EXPRESSED THEIR REGRETS AT MY IMMINENT DEPARTURE. I especially enjoyed the one letter from the member who gave three reasons for my staying against the four I gave for going. Good try. But, he will get his wish in one respect; I am still involved in selecting my successor, and I will not leave until a suitable candidate is picked. You'll have at least one more month of me, then.

R390 OWNERS -- LISTEN UP -- In this computer age, owners of the same model computer get a "users group" together to exchange information about their computers. Why should we R390 owners be any different? A few of us are getting together an informal newsletter, the organ of "THE R390 INFORMATION EXCHANGE." With the newer generations of receivers coming out and trying to equal and surpass our R390s, we must stick together! The cost of this informal newsletter will be \$1 per issue, coming out at least 5 times per year. Skip Arey is the publisher of this venture, and he will send you a letter with more information for a SASE. His address is: 104 West Franklin Avenue, Edgewater Park, NJ 08010. Tell him SPEEDX W/H sent you. (I'm going to be typing some of this.) P.S.: R392, R390A (of course), and R388 owners are also welcome. P.P.S. If you're just interested in the receivers, but don't yet own one (horrors!), you're welcome too.

RADIO NACIONAL DEL ECUADOR -- Bob Palmer of Spokane, WA called and wrote to report a new station on the shortwaves. "Yesterday afternoon," Bob writes, "I was tuning across the 19m band and came across a strange one on 15115 (which, as you know, is an HCJB fqy). This was at 2245, and I listened straight through to the 0030*. I was also up and down into the attic putting up an antenna so I didn't log everything. The OM ancr IDed variously as "Sistema Radiofónica de R. Nacional del Ecuador" and just "R. Nacional del Ecuador." Most of the programming was talking -- news, comment, civic anmts., and I think some ads. There was some mx, but not much -- mostly typical Ecuadorean Indian-type music. At first I thought HCJB was relaying the program, but after 1 hour and 45 mins. I began to think maybe they had taken the fqy. from HCJB for their own use." Several others have reported this station here. However, Bob, I believe that HCJB is probably offering the station time on its 15115 transmitter, either of its own free will or after compulsion of some sort. I am listening to 15115 as I type, and the HCJB news just ended (1505). So, HCJB still has control of the transmitter. I'm going to go back to the BBC now.

IT SEEMS THAT ALL OF YOU have been assiduously DXing last month and this. I have a bumper crop of loggings, so I'd better get cracking. So, remembering that all loggings which do not have language designations were heard in Spanish (or Portuguese if the logging is of a Brazilian station), I present. . .

+++++

SOUTH AMERICA

ARGENTINA

- 5882 0008 R. Rivadavia, tlk w/ ID @0009 (443; 1/11. Konen, WI)
- 6060 1001 R. Nacional, ID by YL, continued with news (232; 1/15. Moman, AB)
- 9690 0250 RAE, EE, OM ID, music, tlk, cmt on Falklands (333; 1/18. Addison, KS)(0435; 555; 1/21. Somers, CA)(0450; 433; 1/18. Hecht, PA)(0230; fr/gd; 1/21. Sharpe, CA)(0300; 443; 1/15. Ulmer, LA)(0252; 333; 1/13. Drollinger, WI)
- 11710 0100 RAE, EE, ID, call for reception reports, vacations on the seacoast (433; 1/17. Harrell, IL)(0451; 454; 1/29. Somers, CA)(0115; 0130*; 333; 1/16. Forbes, TX)(Coutermarsh, VT, Sampson, WI, Robinson, TN, Cox, CA, Rouseel, NB, Carlson, WA, Wood, LA, Hesch, NY heard a DX News px, w/ excerpts from various LAM stations and info on each station, on 1/21; Wilkins, CO who was promised the DX px @0122 but heard "Report on the Malvinas" instead. Don't they ever give up?)+3
- 11754.5 0700 R. El Mundo, Tucuman lottery results (Did I win? ch), then Argentine campo mx, ID @0733 (343; 1/4. Wilkins, CO)

B O L I V I A

- 4697 0075 R. Riberalta, tlc by OM, ID @0020, soon faded (211; 1/29. Sharp, FL)(0306; folklorico mx and romantic songs; TC/ID @0310. Excellent signal to 0404* w/ final ID and symphony orchestra playing a theme from Swan Lake; 2/5. Sparks, CA)(0350; 242; 1/30. Ulmer, LA)
- 4775? 0050 Radiodifusion Trópico, caught "R.dif. Trópico" ID @ tune-in, ad string, LAm rock. Nx w/ "Radio Illimani" ID @0100 (relay?)(fr; 1/13. Parks, FL)(Has anyone else heard this? Please listen this month. ch)
- 4805t 0001 R. Santa Ana, hrd w/ talk by OM, dying rapidly. Heavily QRMd by Lara @4800 (222; 1/11. Schlesinger, TX)(??? ch)
- 4945 0015 R. Illimani, tlc by YL, ID, into px of local mx, (312; 1/31. ????, ??)
- 5974 0955 R. Nacional Cochabamba, soft guitar mx, vocals, ID @1009, then into folklorico mx (1/19. Sparks, CA)
- 6105 1101 R. Panamericana, OM/YL, anmts, ads, ID @1104 "Para Ustedes, R. Panamericana" tuned out 1124 (323; 1/29. Rising, CA)(1038; men's group singing folklorico mx; nice signal; 2/5. Sparks, CA)(*1057; quiet mx; 333; 1/13. Wilkins, CO)

B R A Z I L

- 3385 1508 UNID Brazilian, OM nx/TCs, bank ad, no definite ID. QRN from electronic pulses 6 seconds apart (322; 1/14. Thompson, CA) Huffaker, MEX)
- 4765 0343 R. Nacional Cruzeiro do Sul, ballads, OM DJ, full ID @0352 (333; 1/29. /
- 4805 0935 R. Difusora de Amazonas, OM w/ inspirational/relg.-type message, ID @0945, into Brazilian pop tunes (343; 1/22. D'Angelo, PA)
- 4815 0817 R. Nacional de Tabatinga, Brazilian pops, ID @0827 w/ taped ID @0830; (333; 1/31. Huffaker, MEXICO)
- 4905 2334 R. Relogio Federal, tlc, time pips and TCs as always (222; 1/15. Moman, AB)
- 4915 0011 R. Dif. de Macapá, ranchero-type mx, ID @0017 (343; 1/23. Huffaker, MEXICO)(0930; vocals by men's group w/ guitar/ID. 1/30. Sparks, CA)(0323; OM w/ ID, het; 1/23. Ulmer, LA) 1/16. Wilkins, CO)
- 4915 0808 R. Anhanguera, vocals, OM anc, occasional ad, TC (GMT -3), full ID @0902; /
- 4955 0930 R. Marajoara, variety of jazz orchestra selections, romantic vocals, long ad strings and nx items, finally an ID. Fantastic signal at first but almost gone completely by 1015 (1/29. Sparks, CA)
- 5025 2338 R. Borborema, mention of Borborema, more tlc, mx (322; 1/15. Ulmer, LA)
- 5035 2343 R. Aparecida, quick ID between songs, tlc (322; 1/15. Ulmer, LA)
- 5045 0759 R. Cultura do Pará, OM w/ ID and program anmt (434; 2/3. Shamblin, CA)
- 5965 0852 R. Guaiaba, campesino mx to 0858, OM anmt for R. Guaiaba, gave calls and fqs for this outlet and the 25m outlet. Time pips 0900. Mx medley followed; (433; 1/9. Palmer, WA)
- 6000 2334 R. Inconfidência, ID, promo for a Sunday px (333; 1/15. Ulmer, LA)
- 6105t 0904 Ceara R. Clube, vocals, OM anc, YVTO QRM, fading by 0922; (232; 1/15. Wilkins, CO)(0951; 322; 1/13. Schlesinger, TX)
- 9545 0747 R. Universo, OM anc w/ in-studio interviews w/ several YLs, no mx noted. "Curitiba" mentioned several times. Deep fades -- weird conditions. Pretty early for a Brazilian. Curitiba is GMT -3 unless they're on summer time, which seems reasonable, as I've heard a lot of Brazilians this winter that are being an hour earlier than WRTH says they should. (Right you are! ch)(222; 1/16. Palmer, WA)(0630; 434; 2/2. Famularo, NJ)(0957; 311; 12/29. Moman, AB)
- 9675 0912 R. Marumby, religious px (as usual) featuring campesino-type religious mx; OM called it a px of "a musica evangelica e a palavra de Dios." At 0918 he gave it the whole shot -- even the mailing address, but it was in Curitiba, Parana, whereas Marumby supposedly comes from Florianopolis, Sta. Caterina). (Address of the evangelist, perhaps??? ch)(343; 1/9. Palmer, WA)
- 9695 1039 R. Rio Mar, pop mx, into station jingles, ads @1042. QRMd by WYFR, 9690. (333; 1/13. Schlesinger, TX)
- 9705 0251 R. Nacional Rio de Janeiro, talk show of some sort, w/ several people in studio plus lots of remote reports. Full ID @0323 plus "uma emisora Radiobrás." and s/off (333; 1/26. Cunningham, OH)
- 11780 0115 R. Nacional, EE, ID, mx (333; 1/10. Valentine, CA)
- 11847 0207 R. Aparecida, mx, ID (444; 1/17. Roussel, NB)(Off-fqy??? ch)
- 11925 0038 R. Bandeirantes, samba rhythms w/ PP vocals. Singing ID by YL group. OM w/ mentions of "Paulistas" and Sao Paulo(333; 1/14. Palmer, WA)
- 15175 2329 R. Bandeirantes, mx, religious px (545; 1/19. Robinson, TN)
- 15190 0027 R. Inconfidência, Brazilian mx, ads between records, no QRM whatever, weak but clear (232; 1/14. Palmer, WA)(0045; Rolling Stones mx, 353; 2/8. Famularo, NJ)
- 15290 0205 R. Nacional, EE, OM ID, talk (333; 1/23. Addison, KS)(0200; 444; 1/12. Miller, CA)(0215; 555; 1/16. Forbes, TX)(0205; 554; 2/3. Timofeev, LA)(0203; 454; 1/1.
- 15415 2355 R. Clube Ribeirão Preto, campo mx, OM anc w./ ID // Robichaud, NB) as "R. Clube" @0357. ID @2359, QRMd badly by DW on Antigua on 15410; exalted carrier helped (222; 1/16. Palmer, WA)
- 17815 0044 R. Cultura São Paulo, OM/YL conversing, short inserts of classical mx, only readable about 10 mins (222; 1/16. Palmer, WA)(2330; U.S. pop mx of 20/30's; 333; 1/30. Stone, ON)(2238; 353; 2/2. Famularo, NJ)

B R A Z I L / -- (continued)

17830 0235 R. Nacional, EE, talk of Brazil's economic problems and increase in number of magazines published (Is there a connection? ch)(444; 1/4. Harrell, IL)(0220; 444; 2/3. Shamblin, CA)(0218; talk about canaries, Blue Danube Waltz (Another connection here? ch) 544; 1/3. Timofeev, LA)(1410; 322; 2/1. Cox, CA)(0200; 444; 1/28. Howarth, WA)

C H I L E /

9550 1000 R. Nacional de Chile, OM ancr w/ LAM nx, musical bridge between items; // 15150 (good; 1/24. Lobdell, MA)(1045; nx, sx, TCs every minute, anc'd highway construction areas; (343; 1/13. Wilkins, CO)

15150 0210 R. Nacional de Chile, soccer game between Cobreloa and Palestino futbol clubs, plenty of ads for coffee, paints (444; 1/9. Grosvenor, CA)(0220; 444; 1/17. Stone, ON)(2210; 2232 f/out; 242; 1/9. Rising, CA)(1030; 233; 1/16. Hosmer, MI)(0147; 443; 2/6. Famularo, NJ)

C O L O M B I A /

4785 0212 Ecós del Combeima, upbeat LAM vocal and instrumental mx; ID @0222 (333; 12/23. Cunningham, OH)(0556; 333; 12/23. Moman, AB)(0530; on late with pop mx, ID and "Super Colombiana" anmt; 2/5. Sparks, CA)

4845 0345 R. Bucaramanga, pop vocals and ID by OM (1/15. Sparks, CA)(0505; 0527* w/ NA; 444; 1/29. Huffaker, MEXICO)(0259; EE ID; 322; 1/13. Gilster, NC)(0120; 333; 1/15. Ray, PA)

4865 0847 LV del Cinaruco, mx nonstop to s/on w/ NA @0900; (343; 1/31. Huffaker, MEXICO)(0309; 222; 12/31. Worob, TX)

4875 0645 R. Super de Medellín, lively LAM vocals, OM w/ IDs, jingles (232; 1/18. Thompson, CA)(Timofeev, LA; Sampson, WI; Shamblin, CA; Famularo, NJ; Gilster, NC; Ray, PA; Rising, CA; Worob, TX)

4885 1046 Ondas del Meta, OM alternating lively LAM mx w/ brief local and national nx items; each item ended with quick Ondas del Meta ID. Previous logging of LV del Llano on this fqy simply a relay of some sort, to test transmitter or some such (433; 1/31. Cunningham, OH)(1120; 332; 2/2. Tanaka, JAPAN)(0048; fr/gd; 1/22. Parks, FL)(LV del Llano heard @0600 on 1/22. Sparks, CA)(0632; 343; 1/22. Thompson, CA)(0734; 443; Full ID @0758: "De la aire, Ondas del Meta de la ... ciudad de Villavicencio, HJXB, 1200 kcs onda larga, 4885 kHz onda corta. Otra potente emisora de la cadena Super por su gusta ... colombiana." 443; 1/31. Huffaker, MEX)

4915 *1006 Emis. Armonías del Caquetá, NA, s/on, short religious px, HJMX, OM ancr; (343; 1/4. Wilkins, CO)(1003; ID: El saludos para Colombia y el mundo...Armonías del Caquetá, transmitiendo desde Florencia, capital de la departamento de Caquetá en la república de Colombia, HJVK, 970 kHz con 30 kW de potencia...y 4915 kHz con ?? kW..."; 433; 1/8. Cunningham, OH)(1040; 343; 1/18. Schlesinger, TX)(0830; 333; 2/3. Shamblin, CA) Shamblin, CA)

4945 0500 R. Colosal, mx, ads, CARACOL ID, (444; 1/28. Speer, CA)(0815; 444; 2/3. /

4965 0510 R. Santa Fé, pop mx, ID @0515, QRN (432; 1/28. Speer, CA)(0200; 433; 1/12. Worob, TX)(0617; 242; 1/29. Timofeev, LA)(0335; 333; 1/24. Hosmer, MI)(0810; 433; 2/3. Shamblin, CA)(0409; 232; 1/31. Rising, CA)(0557; 353; 1/31. Paul, AZ)

4975 1015 Ondas del Ortegúaza, "Amanecer Campesino," w/ saludos to early risers; (322; 1/18. Wilkins, CO)

5010 *1010 R. Surcolombiana, NA, opening ID, "R. Surcolombiana, Neiva, emisora HJOV, (fqy) Radio Centro," then into pop vocals (2/6. Sparks, CA)(0520; 443; 2/5. Konen, WI)

5040 1108 R. Cinco, Colombian mx, ads, 1130 OM ID as reported by Lobdell in 1/83 issue of SPEEDX (333; 1/5. Tanaka, JAPAN)

5095 1123 R. Sutatenza, mx, ads, CW QRM (454; 1/17. Hesch, NY)(0215; 444; 1/15. Hill, SC)(0957; 434; 1/16. Garrett, CA)(1155; 332; 1/20. Timofeev, LA)(0209; 323; 2/4. Shamblin, CA)(0257; 544; 1/31. Sharp, FL)(322; 1/8. Valentine, CA)

6170 0940 LV de la Selva, reactivated, px of ranchera mx hosted by OM ancr. Full ID by OM: "Desde Colombia, quiere la paz, esta comente en el capital. LV de la Selva, radial de CARACOL...gobierno departamental, a las puntas de acción comunal, de historias políticos, sindicatos, y en general las todas las masas caquetanas...tricolor nacional. Este sábado cinco de febrero...(talks about Colombian Flag Day celebrations)... Hagalo y unas de la campana de CARACOL, invita LV de la Selva, la emisora cofal mas caquetana." 0958 QRM de Cayenne s/on; (2/1. Lobdell, MA)(1107; ads; IDs; 333; 1/30. Palmer, WA)

9635 0338 R. Nacional de Colombia, classical mx w/ ads and intros by OM. No // fqys heard; (222; 1/13. Palmer, WA)

11792 1300 R. Nacional de Colombia, ID after chimes, into nx (444; 1/25. Konen, WI)(1335; 343; 1/24. Hosmer, MI)

E C U A D O R /

3220 0231 HGJB, OM w/ inspirational message; QRN from T-storm (342; 1/23. Schlesinger, TX)

3239.7a 1136 R. Antena Libre, was looking for R. America, found this instead, weak; (232; 1/15. Wilkins, CO)(0130; 0159*; fr; 1/7. Parks, FL)

REMEMBER NOT TO SEND OLD LOGGINGS. MANY MANY DECEMBER LOGGINGS THIS MONTH!!!!

ECUADOR -- (continued)

- 3260 0125 LV del Rio Carrizal, northern Lam-type pops to 0130, when more traditional stuff over. Noisy, but improving (332; 1/11. Schlesinger, TX)
- 3280 1118 LV del Napo, HC mx, OM ancr with messages to rural residents, 1126* abruptly (333; 1/16. Wilkins, CO) Rousset, (NB)
- 3316 0337 R. Pastaza, vocals, t1k, ID by OM (332; 1/30. Ulmer, LA)(0320; 444; 1/13. /
- 3381 1120 R. Iris, uninspiring Lam vocals, largely uninterrupted (1/19. Wilkins, CO) (0333; 0401*; 333; 1/15. Gilster, NC)
- 3395 1129 R. Zaracay, px "Música ecuatoriana," fading by 1142 (333; 1/16. Wilkins, CO)
- 4679.8 1135 R. Nacional Espejo, uninterrupted HC mx to 1144 full ID (353; 1/16. Wilkins, CO)(0208; 343; 1/8. Ulmer, LA) OR
- 4790 0532 Sistema de Emis. Atalaya, ID by OM, instrumental pop mx (232; 1/11. Uerlings,
- 4795t 0623 LV de Los Caras, Lam vocals, OM ancr, Andean instrumentals, ID 0630 but couldn't pick it out of clutter (232; 1/22. Thompson, CA) CA)
- 4851 1140 R. Luz y Vida, ID by OM, campo vocals by YL, nice clean signal (1/15. Sparks,
- 4901 1135 LV de Saquisilí, Ecuadorian mx, 1145 OM ID, "Amigos, oyentes de LV de Saquisilí, esta es LV de Saquisilí, Libertador, Ecuador," (222; 1/18. Tanaka, JAPAN)
- 4920 0409 R. Quito, ad for mineral water, mx, ID w/ harp, TC (444; 1/30. Ulmer, LA) (1215, a very late opening on 1/29 with whole string of ads, ID @1219; Sparks, CA) (0415;444;1/12.Konen,WI)(0447;444;1/4.Ross,ON) Ulmer, LA)
- 4960 0214 R. Federación, medley of elevator mx, OM gave call and full ID (323; 1/15./
- 4995 0046 R. Baha'i, OM/YL conversation, YL mention of R. Bahai, mx (322; 1/6. Ulmer, LA)(0211; modern Andino mx, hetted/QRMd by WWV; 332; 1/12. Schlesinger, TX) (0315; ID: "R. Baha'i de Ecuador," 433; 1/6. Huffaker, MEXICO)
- 5025 0409 R. Splendit, Lam mx, ads for San Francisco de Asis (credit union) and Palacio de Música (records), s/off ID: "...estamos trabajamos en estas dos frecuencias, 1275 kHz onda media, y 5025 kHz onda corta. R. Splendit de Cuenca, República del Ecuador." (443; 1/29. Huffaker, MEXICO)(1105; 333; 1/17. Tanaka, JAPAN)
- 5050 1106 R. Jesús del Gran Poder, nx by OM, ads for Quito businesses (343; 1/15. Wilkins, CO)
- 5062 1130 R. Progreso, back down on 5062 now. Noted on 2/5 with noticias and messages, and frequent mentions of Loja. TC. Heavy phone ute QRM (Sparks, CA)(Drifted up to 5067 on 1/14 at 1115. Messages, lots of ads, no ID noted. (Sparks, CA))(0250; 5067; pr; 1/24. Parks, FL)(5068; 1012; 333; 1/13. Wilkins, CO)
- 6050 0412 HCJB, OM t1k, mention of Quito (444; 1/23. Worob, TX)
- 6095 0630 HCJB, EE, OM, DXPL, (544; 1/23. Valentine, CA)(0611; read letter from Peggy Thompson (who? hi! ch); 444; 1/11. Leonard, ME)(0545;444;1/28.Cox, CA)
- 9720 0730 HCJB, EE, TM vs. Christianity; (555; 1/14. Wieboldt, FL)
- 9745 0215 HCJB, EE, OM ID, mx, cmt (444; 1/18. Addison, KS)(Somers, CA;Taylor, MO; Miller, CA; Robinson, TN; Wieboldt, FL)
- 11915 0600 HCJB, EE, "The Heaven and Home Hour" (444; 1/23. Dan Johnson, CA)
- 15115 2200 R. Nacional del Ecuador, following light mx and HCJB SS ID, s/on ID, "En Las Noticias" nx brief w/ mention of Cosmos satellite disintegrating. Lam mx, followed by another nx brief @2235, and then "Bolívar y el Caribe" w/ talk about Guatemala, Honduras, and Nicaragua -- also played tape of R. Venceremos. Mx ID, tuned out @2315. Address and Director via DXPL: "Eduardo Zurita, Director, R. Nacional del Ecuador, Casilla 13, Quito, ECUADOR." (444; 2/7. Famularo, NJ) (I listened this afternoon and they had a short segment with a Cardinal Trujillo. I never thought I'd hear the "opposition" over an HCJB transmitter, hi! ch)
- 15115 1528 HCJB, EE, caught tail end of rel. px, 1530 TC and off (252; 12/21. Winkelman, OH)(1430; 454; 1/21. McCants, AL)
- 15155 0141 HCJB, EE, interview with missionary doctor, 21 years in Ecuador, (444; 1/6. Robinson; TN)(0230; 443; 1/9. Hesch, NY)(Hill, SC; Muzyka, NY; Hecht, PA; Rousset, NB; Sienicki, NJ; Coutermarsh, VT; Hosmer, MI; Coyle, PA; Krist, VA; Duncan, NC; Somers, CA; Harrell, IL)
- 15295 *2130 HCJB, EE, DXPL (444; 1/24. Krist, VA)
- 17825 2130 HCJB, EE, DXPL (555; 1/1. Hecht, PA), TX)
- 17890 1500 HCJB, EE, talk about Patton; (544; 1/13. Miller, CA)(1330; 444; 1/14. Hensley
- 21477.5 *2130 HCJB, EE, DXPL, (444; 1/10. Krist, VA)(2130; 433; 1/24. Hill, SC)
- 26020 1410 HCJB, EE, nature px to 1415, then "The Sower" gospel px w/ Michael Guido (233; 1/29. Duncan, NC)

FRENCH GUIANA -- FR3

- 3385 0217 FF, bc from a live festival, Afro-Lam mx, 0337* abruptly (354; 1/23. Provence, OH)(0930; 343; 1/17. Konen, WI)(0925; 333; Ross, ON)(0225; 353;0303*; 1/9. Gilster, NC)
- 5056 0915 FF, pops, OM ancr, TCs (GMT -3), rooster crows, //6169.7 (333; 1/21. Wilkins, CO)
- 6169.7 1010 FF, pops to 1015 cmt on Reaganomics, then into unusual FF pops, FR3 operating off fqy the past few days (444; 1/24. Wilkins, CO)

NOT ENOUGH ROOM TO BEGIN GUYANA. REMEMBER ONLY ONE REPORT PER REPORTER PER FREQUENCY. IF I FIND MORE THAN ONE I PICK THE BEST OR THE LATEST.

G U Y A N A -- GBC

5950 0825 EE, Hindi-style mx, OM DJ w/ wx, ID, birthday wishes (222; 1/27. Wood, LA)
 (1016; GBC Channels 1 and 2; 444; 1/7. Ross, ON)

P A R A G U A Y -- R. Nacional de Paraguay

9734.7 2350 Mx, t1k to 0000, full ID and fqys (322; 1/11. Moman, AB)(1047; modern campe-
 sino-style vocals, good to 1051 when huge DW Antigua carrier swamped it. (333;
 1/23. Cunningham, OH)

P E R U

3250t 0325 R. Qollasuyo, guitar mx, OM t1k w. ID (almost sure of it)(332; 1/30. Ulmer,
 3800t 1001 R. Esmeralda, OM t1k, into andino mx @1006. Weak, QRMd by AROs (211; 1/11.
 Schlesinger, TX)

4755 1010 R. Huanta del Perú, s/on w/ anthem, opening anmt. and ID @1014 which was
 approximately: "Señores, señoras, buenos días. Este (favoretes emisoras?)" then
 fqy and, "transmite R. Huanta del Perú." Then program of huaynos. Changed to folk-
 loricos @1033. QRN but no QRM (1/22. Sparks, CA)(1051, ID was "R. Huanta de Junín."
 333; 1/27. Tanaka, JAPAN)

4775 1103 R. Tarma, huaynos, TC, ads, 1111 OM ID: "OCX4J, 1510 kHz onda media, OCX4
 (X/S) 4775 kHz onda corta, banda de 60m, (Transmite) R. Tarma desde Tarma, Perú."
 (232; 1/15. Tanaka, JAPAN)

4790 1045 R. Atlántida, ID @1045, then SS versions of U.S. pops (333; 1/17. Wilkins, CO)
 (0404;443;1/30.Ulmer,LA)(0402;0419 f/out;243;1/16.Rising,CA)+2

4810 0359 R. San Martín, IDs: "Estas emisoras Tarapoto" & "R. San Martín, Tarapoto."
 (333; 1/29. Huffaker, MEX)(1111; 222; 1/13. Wilkins, CO) Sparks, CA)

4825 1025 LV de la Selva, ID by OM w/ ads, huaynos, on top of usual USSR station (1/19.
 (1015; 322; 1/13. Wilkins, CO) Cunningham, OH)

4840t 1036 R. Andahuaylas, folklorica mx, poor level w/ Valera off this AM; (222; 1/31/
 4854 1101 R. Pampas, s/on w/ flute folklorico tune, several IDs, wild yipping huaynos
 and folklorico mx. Tough copy w/ hi-power RTTY on 4856. Better next morning be-
 cause RTTY was off (1/29. Sparks, CA) Schlesinger, TX)

4935 1020 R. Tropical, mx (mostly andino), ancr talking over much of it. (good; /
 4996 1010 R. Andina, Andean vocal mx, OM ancr, TCs, hrd most AMs here (222; 1/18.
 Wilkins, CO)(0443; 333; 1/19. Moore, TX) Cunningham, OH)

5015 1046 R. Moyobamba, LAm pop mx, complete ID @1055; generally poor. (222; 1/14. /
 5035 0614 R. Imagen, mx, TCs, 10 minutes slow @0615, ID as "Imagen Radio," ancd sked
 to 7 in the morning (444; 1/30. Huffaker, MEX) Huffaker, MEX)

5045 0313 R. Rioja, LAm mx, TCs between selections, taped ID @0335 (433; 1/29. /
 5112 0250 R. Eco, ID, mx (232; 1/11. Roussel, NB)(0450;443;0502*;1/10.Ulmer,LA)(0311;
 343;1/8.Robichaud,NB)(1028;433;1/5.Wilkins,CO)

6096 1100 R. Nacional, OA mx to 1109 s/on anmt; new Cabinet members named; more mx
 (322;1/3,Wilkins,CO)

6189 1104 R. Oriente, s/on @ tune-in. Splash from BBC. Anmts over theme from "The
 Sting." Mention of Yurimaguas, then ID as "R. Oriente, la onda popular...trans-
 mite OA78Z, 1420 kHz, OA???, 6190...banda de 49 metros onda corta..." Foll'd by
 mix of Andean mx and talk; (422;12/28. Cunningham, OH)

6195 1035 R. Cuzco, folklorico mx/huaynos. TC/ID but lost signal to powerhouse carrier
 @1047 (1/15. Sparks, CA)

6724.3 0314 R. Satelite, ranchoero mx, YL, mostly mx, few IDs (232; 1/15. Provance, OH)
 (0200; 322; 1/29. Sharp, FL)

S U R I N A M E --SRS

4850 0402 EE/Dutch; songs in EE continuously, most cut short for start of next cut;
 At 0429 end of mx and 10 sec. anmt in Dutch w/ tent. ID. Then left the air sudden-
 ly (233; 1/13. Drollinger, WI)(0433;1/5.333;Moman,AB)(0245;454;1/29.Roussel,NB)
 (0400;423;1/26.Hensley,TX)(0358;444;1/5.Wilkelman,OK)+2, Sharp FL)

5006 2338 R. Apintie, U.S. rock mx, ID @2345 over "funeral dirge." (fr/pr; 1/18. Parks,

U R U G U A Y

11835 0045 R. El Espectador, ID, OM, ads, t1k. Not usual LAm mx, some mellow stuff.
 Off fqy on 11838? (343; 1/31. Rising, CA)(1000; 3 bank ads interspersed with nx;
 (353; 1/22. D'Angelo, PA)(0048; 344; 1/11. Roussel, NB)(0027;333;1/3.Moman,AB)

15273.3 0003 SODRE, YL w/ nx, occasional phone reports by OM, ID @0017 (322; 1/3.Moman,AB)

V E N E Z U E L A

3225 0114 R. Occidente, lengthy t1k by OM, QRN. (232; 1/10. Gilster, NC)
 3256 0132 LV de El Tigre, LAm vocals, fqy, TCs/IDs as "R. 980." (333; 1/10. Gilster,
 NC)(1000; 233; 2/2. Dampier, NY) Gilster, NC)

3275 0215 R. Mara, nondescript LAm pops, long ID by OM. Het on high side (232; 1/9. /
 4760 2110 R. Frontera, IDs for this and many other YV stations (322; 1/8. Ulmer, LA)
 4770 0204 R. Mundial Bolivar, excited ID by OM, mx w/ short talks between (353; 1/18.
 Forsman, CA)(0315;fr;1/15.Sharpe,CA)(0335;333;1/23.Speer,CA)(1046;453;1/17.Hesch,NY)

4780 0206 LV de Carabobo, musica de Venezuela, ads, IDs (433; 1/16. Tate, WV)(0310;
 333;2/3.Shamblin,CA)(0358*, ad, final ID, s/off; 1/15. Sparks, CA)

RUNNING OUT OF TYPEWRITER RIBBON ON PRESIDENT'S DAY IS AWFUL!

V E N E Z U E L A / -- (continued)

- 4800 0345 R. Lara, OM/YL, LAm mx, ID @0352, 0353*, readability good tonight (354; 1/16. Rising, CA)(0245;534;1/31.Sharp,FL)(0310;444; ID: "RL, Alma musical de Venezuela," 1/15. Gilster, NC)(0306;433;2/3.Shamblin,CA)(0245;434;1/29.Byron,NY)(1055;554;1/17.Hesch,NY)
- 4830 0150 R. Tachira, good sig. hampered by het; usual LAm mx, (433; 1/10. Gilster,NC)
- 4900 0344 R. Juventud, pop mx, anmt @0347, NA 0349, s/off (322; 1/23. Speer, CA)(0300;434;2/3.Shamblin,CA)(2350;343;1/25.Konen,WI)(0315;343;2/8.Coyle,PA)
- 4907.5 1036 R. Carora, nice YV mx, Aqui Venezuela px, conservation PSA (343; 1/24. Wilkins, CO)(0131; 454; 1/9. Robichaud, NB)(0347; 322; 1/13. Uerlings, OR)(1106; 433; 1/18. Schlesinger, TX)
- 4940 0350 R. Yaracuy, pop mx, ID @0352, then sudden s/off (322; 1/23. Speer, CA)(0226; 444; 2/4. Shamblin, CA)(4938.7; 0356; back on, off-fq, 3 hrs of mx w/ no ads, sounds a little bit like Argentine Annie; on fqy next day; 444; 1/19. Huffaker, MEX)
- 4970 1058 R. Rumbos, 2 OM ancrs w/ much talk, ads, chimes, IDs (454; 1/17. Hesch, NY)(0430;433;1/26.Hecht,PA)(*2331;445;1/30.Robinson,TN)(0244;444;2/3.Shamblin,CA)(0328;513;local noise QRN; 1/31. Sharp, FL)(0245;444;1/25.Valentine,CA)+1
- 4980 1110 Ecos del Torbes, 2 OM ancrs, ads, mx (554; 1/17. Hesch, NY)(0228; 434; 2/3. Shamblin, CA)(0404; opening of fair in San Cristobal, 444; 1/22. Huffaker, MEX)(0156; 434; 1/12. Worob, TX)(0330; 443; 1/14. Konen, WI)
- 5026 0445 R. Contiente, OM gives frenetic ID for 1 min; 0455*; (222; 1/11. Sable, NY)(off frequency, Tom??? ch) CA
- 5030 0250 R. Contiente, typical mx (454; 1/18. Forsman, CA)(0234;433;2/3. Shamblin, 6010 1053 R. Los Andes, looking for R. America Peru, surprised to find this one instead. Two torchy LAm ballads by YL to 1057, then taped echo anmts by OM w/ clear id: "R. Los Andes, Mil Cuarenta." Reactivated? (I suppose so. ch)(322; 1/6. Cunningham, OH)
- 6180 0750 R. Turismo, SAm songs, ID @0800 (454; 1/1. Robichaud, NB)
- 9540 1130 R. Nacional, ID, song about merengue (434; 1/29. Timofeev, LA)
- 9620 1112 Catatumbo Internacional, new, mixture of LAm pop & folk vocal mx, ID as Catatumbo Internacional, frequent mentions of Maracaibo. Rel. svce; good at start but fading/splash to the end; (333; 1/30. Cunningham, OH)(1157; fair; 1/31. Lobdell, MA)(1320; fr; 1/31. Parks, FL)
- 9660 0052 R. Rumbos, ads, water conservation PSA, mx: "No puedo de vivir sin el amor." (443; 1/23. Grosvenor, CA)
- 11695 *1059 R. Nacional, IS, NA, s/on, modulation problem (441; 1/8. Wilkins, CO)

N O R T H A N D C E N T R A L A M E R I C A /A N T I G U A /

- 6040 0130 DW, EE, thieves splitting the loot recorded themselves on a stolen videotape unit. The tape is Exhibit A. (444; 1/26. Demmitt, PA) CA)+4
- 6175 0014 BBC, EE, nx about Britain, etc. (544; 1/16. Krist, VA)(0647;555;2/4.Shamblin, 6196 1245 BBC, EE, sx roundup, Network UK (454; 1/15. Krist, VA)
- 9545 0500 DW, EE, nx w/ emphasis on FRG (good; 1/24. Sharpe, CA)
- 9765 0240 BBC, mx, tlk, // Ascension Island (444; 1/16. Forbes, TX)

RELIZE is on 3285; from 0000-0408* is the best time to listen. Thanks to 10 readers.

C A N A D A /

- 5960 2347 RCI, FF, YL/OM FF tlk, ID @2347 (545; 1/22. Worob, TX)(2330; As It Happens; MI mayor dances nude to start Winter Ice Festival; 555; 1/25. Demmitt, PA)(0100; good; 1/24. Piatelli, CA)(0105; 444; 1/17. Taylor, MO)(2300;555;1/23.Cord,RI)+4
- 6005 0923 CFCX, Montreal; EE, "Pretty Woman," other rock standards, Reloj is off (353; 1/15. Wilkins, CO)(1000; 444; 1/2. Dampier, NY)(1355; 444; 1/19. Leonard, ME)(0330; Aden QRM, but no BBC; 333; 2/4. Famularo, NJ)(1236; 333; 1/30. Sable, NY)
- 6065 1300 CBCNQSWS, EE, Eskimo mx after EE ID; (333; 12/30. Dampier, NY)
- 6070 2215 CFRX, Toronto; EE, traffic reports, many TCs, Monarch Flour ad, wind gusts 55 kph (What's that in human terms? ch) -5°C (approx. 22°F. ch)(343; 1/7. Drolinger, WI)(1300;555;1/5.Dampier,NY)(1240;222;2/1.Hotaling,NV)+1
- 6120 2321 BBC, EE, The Merchant Navy px, Meridian, nx (454; 1/13. Krist, VA)(0215; 333; 1/26. Demmitt, PA)
- 6130 1200 CHNX, Halifax; sx in EE, wx, nx, (222; 1/5. Dampier, NY)(1414; Bargain Box for trading items; 344; 1/14. Leonard, ME)
- 6155 0715 CBC, EE, uninterrupted Tchaikovski to 0756, YL ancr, promo for 5-concert series (444; 2/2. Thompson, CA)
- 6160 0945 CKZN, St. Johns, NF; EE, surprisingly good here, first time after many unsuccessful tries, TCs for "Island Time." Wx for Labrador (-31°C, about -30°F) (It's so good because they've upped power to 1 kW. ch)(353; 1/15. Wilkins, CO)(0939; fr/pr; 1/14. Parks, FL)(0938; 444; 1/9. Stephany, NY)
- 6160 0804 CKZU, Vancouver; EE, sx, local Canadian wx, ID: "CBC British Columbia." (343; 1/16. Garrett, CA)(0832; 0905*; fr/pr; 1/5. Parks, FL)
- 6195 0500 CBCNQSWS, int'l nx from CBC in EE, (233; 1/26. Dampier, NY)(0233; 444; 1/11. Krist, VA)(0400;434;1/16.Duncan,NC)(0430;333;1/22.Valentine,CA)

CANADA -- (continued)

9535 0100 RCI, OM ID (544; 1/21. Valentine, CA)(*0200; 333; 1/29. Cox, CA)
 9575 1300 CBC, EE, nx, "World Report" (555; 1/13. Harrell, IL)
 9625 2255 CBCNQSWS, EE, relay of CBC Frobisher Bay; (433; 1/4. Drollinger, WI)(0335;
 333; 1/31. Grijalva, AZ)(1600; 433; 1/23. Dampier, NY) Duncan, NC
 9755 0300 RCI, EE, nx, px on Canadian receivers of U.S. satellite info. (433; 1/25. /
 9760 0600 RCI, EE, s/on, ID, fqys, beamed to Mideast. (444; 1/23. Dan Johnson, CA)
 11720 1605 CBCNQSWS, Sunday Morning; (444; 1/23. Dampier, NY)(2255;544;1/17.Krist,VA)+1
 11845 0210 RCI, EE, OM ID, nx, cmt; (333; 1/7. Addison, KS)
 11940 0214 RCI, EE, oldest profession should be licensed (Oh, gee, I'd love to touch
 that line, but I'd regret it for years. ch)(333; 1/27. Forrest, CA)
 11955 1548 RCI, EE, Sunday Morning (444; 1/9. Gilster, NC)
 15150 2150 RCI, EE, px of rock mx (544; 1/23. Duncan, NC)(*2129;544;1/22.Krist,VA)
 15260 1920 RCI, EE, cmt, mx, ID, nx about McLuhan Award (343; 1/19. Dan Johnson, CA)
 15325 2220 RCI, EE, ID, nx, cmt (444; 1/19. Addison, KS)(2237;555;1/30.Robinson,TN)
 (2130; 555; 1/26. Stone, ON)(*2129; 555; 1/8. Krist, VA)
 17820 1450 RCI, EE, police arresting poor Indians for fishing for food (good; 1/23.
 Piattelli; CA)(1808; 343; 1/17. Thompson, CA)(2140; 444; 1/15. Hill, SC)+3
 17875 *2129 RCI, EE, nx, SWLD, (353; 1/15. Krist, VA)
 21695 1435 RCI, Russian, nx, cmt on non-aggression pacts, preparations for possible
 crash of Soviet satellite (444; 1/22. Timofeev, LA)(1600;333;1/5. Sienicki,NJ)

COSTA RICA

4832 0440 R. Reloj, numerous TCs by OM, variety of SS mx, including Alvin & Chipmunks
 (444; 1/23. Drollinger, WI)(0802; 343; 1/24. Timofeev, LA)(0646;454;1/31.Paul,AZ)+4
 5055 0310 TIFC, Faro del Caribe, EE, OM ID, address as Box 2710, Santa Fe (NM, Costa
 Rica?? Which? ch) 0323 f/out (243; 1/6. Rising, CA)(0330; 353; 1/12. Paul, AZ)+1
 5954 0510 R. Casino, EE, excellent px of Frank Sinatra "oldies." ID for "R. Casino"
 + Limon, Costa Rica (121; 1/25. Palmer, WA)
 6006 0430 R. Reloj, // 4832, mx, TCs, ID (232; 1/31. Rising, CA)
 6175 1155 TIFC, Faro del Caribe, Religious talk, cock crowed twice (433; 1/17.Hesch,NY)

CUBA was heard this month on 6060 @0033, RM 6115 @0005, (?) 8002.3 @0000 RHC, 11450 (?)
 @0330 RHC, 11760 @ about 02-0400 and about 1700 RHC, 11930 @0100 RHC, 11950 @1935
 RHC, 12010 @2130 RHC, 15335 @0207 RHC, 17705 @14 and 1900 RHC. Tnx to 21 rprtrs.

DOMINICAN REPUBLIC

t6050a 0211 R. Santiago, apparent transmitter problems at HCJB allowed this one to ten-
 tatively peek through. Non-stop live sx coverage. HCJB returned @0229 and destroyed
 my chances for this one! (Pray for a frequency change. ch)(222/211; 1/8.
 Cunningham, OH)
 11700 0000 R. Clarin, ID @0000, LAm mx, 0003 tuned out (342; 1/10. Rising, CA)(Famularo,
 NJ; Ray, PA; Parks, FL; Roussel, NB; and Robinson, TN)

GUATEMALA

3300 0515 R. Cultural, OM ID, classical mx, real laid-back "R. Cultural desde la capi-
 tal de Guatemala." (232; 1/12. Rising, CA)(0447;222;1/12.Gilster, NC)
 3360 0200 LV de Nahualá, rel. tlk., IDs (322; 1/8. Ulmer, LA)(0234;453;1/23.Schle-
 singer,TX)(1225; 222; 1/10. Hotaling, NV)(1152;1/28.Lobdell,MA)(0235;434;1/9
 Robinson, TN)
 3370 1200 R. Tezulutlan, interesting mx px w/ indigenous fiddle mx, marimbas, ID 1212
 (353; 1/15. Wilkins, CO)(1155; powerful signal/poor mod; 1/29. Sparks, CA)
 3380 0240 R. Chortis, OM reading amts w/ marimbas (433; 1/23. Schlesinger, TX)
 (0110; 333; 1/6.Ulmer,LA)(0000;222;1/20.Dampier,NY)
 4825t 0309 R. Mam, typically Guatemalan mx (marimbas/rancheros) to 0416*, no ID, no
 tlk; OC to 0420 (444; 1/31. Huffaker, MEXICO)(0427;333;12/25.Moman,AB)
 4835 0056 R. Tezulutlan, marimbas, tlk, ID/fqys by OM (443; 1/6. Ulmer,LA)(0105;
 343; 1/15. //3370 audible; Ray, PA)

HONDURAS

3250 0348 R. Luz y Vida, OM w/ long tlk, then 0402* w/ fqys, NA (222; 1/14. Gilster,NC)
 4780t 0201 R. Juticalpa, OM w/ tlk, very bad conditions (252; 1/18. Forsman, CA)
 4820 0230 HRVC, LV Evangelica, EE/SS OM ID @0230, into SS relg. px (423; 1/31.Sharp,FL)
 (0430;343;1/24.Rising,CA)(0454;333;12/30.Worob,TX)(0403; px: "Bringing Christ to
 the Nation" w. Rev. Wallace Schultz, ID: HRVC, Your Good News Station. 323; 1/16.
 Drollinger, WI)

MEXICO

2390 0046 R. Huayacocotla, tlk, into light mx px (232; 1/31. Sharp, FL)(0038; 242;
 2/4. Konen, WI)
 6105 1246 XEQM, OM tlk, nx of "Distrito Federal de México," ID as "R. Moderno(?)" and
 "XEQM Onda Corta." //1240 (XEQM) (233; 1/20. Rising, CA)(0110; "Exitos Pantera"
 px, ads for Discorama, full ID w/ growl and XEQM call (OK, is it XEQM or XEQA? ch)
 444; 1/29. Huffaker, MEXICO)(1135;322;1/24.Hotaling,NV)
 6115 2221 R. Univ de Sonora, class mx (Monstro Whale-type vocals, for you Disney fans)
 (343; 1/29. Thompson, CA)
 6165 1245 LV de la América Latina, OM, XEW ID, singing ads (322; 2/1. Hotaling, NV)



SWBC - EUROPE

EDITOR
TERRY LINDLEY
 Rt. 15 Box 1098
 Birmingham, AL 35224

Deadline: 12th
 Times and Dates: GMT
 Frequencies: kHz

Yes its that time again. It seems like I just mailed in the February column and heres March already. Maybe we will get some warmer and drier weather now.

A L B A N I A R.Tirana

- 6200 0330 RT: EE-YL w/ID, nx pgm, & more IDs.(242 1/16 Grijalva-AZ) (Worob-TX)
- 7065 0000 RT: EE-Pgm of nx, pgm on Albanian history.(555 1/30 Card-RI) (Dampier-NY)(Grijalva-AZ)
- 7120 0230 RT: EE-YL w/propaganda on rights in Albania.(444 1/18 Hecht-PA)(Krist-VA)
- 7300 0332 RT: EE-YL w/pgm of wld nx, mx pgm.(433 2/2 Clemmer-KS)(Duncan-NC)(Sampson-WI)(Harrell-IL)
- 9500 0628 RT: EE-IS, anthem, IDs, nx pgm.(333 1/14 Palmer-WA)

A U S T R I A the ORF

- 5945 0240 ORF: EE-OM w/talks, Austrian mx pgm.(333 1/22 Forbes-TX) (Hecht-PA)(Hotaling-NV)(Sable-NY)(Duncan-NC)(Krist-VA)(Harrell-IL)(Demmitt-PA)(Famularo-NJ)
- 11855 1515 ORF: EE-OM w/mailbag pgm. w/QRM.(222 1/30 Rising-CA)
- 21615 1230 ORF: EE-Report From Austria, & the Austrian Shortwave Panarama (434 1/9 Hesch-NY)(Hosmer-MI)

B E L G I U M BRT

- 6225 2200 BRT: EE-Nx, mx, & technological talk.(433 1/7 Famularo-NJ)
- 7465 0105 BRT: EE-YL w/listeners letters, mx pgm.(322 1/16 Carlson-WA) (Harrell-IL)
- 9880 0100 BRT: EE-Mx pgm, & Radio World DX pgm.(433 1/10 Hosmer-MI)
- 17610 1400 BRT: EE-Brussels Calling, mx & mailbag pgm.(242 2/2 Zilmer-NM)
- 17915 1431 BRT: EE-OM & YL w/recipes & cooking.(555 1/25 Murphy-NY)
- 21460 1235 BRT: FF-yl w/mx pgm & IDs.(453 1/13 Hesch-NY)
- 21810 1420 BRT: EE-Brussels Calling w/stamp nx, mx pgm.(444 1/7 Smith-FL)

B U L G A R I A R.Sofia

- 7115 0450 RS: EE-Pgm of folk mx, into Bul @ 0500.(333 1/29 Timofeev-LA)(Moshier-CA)(Harrell-IL)(Murphy-NY)(Hecht-PA)(Sampson-WI)
- 9665 2130 RS: EE-ID, nx pgm, & cmtry.(333 1/23 Hosmer-MI)(Uerlings-OR)
- 9700 2303 RS: EE-"The Art Treasure Book" a pgm on Bulgarian architecture (545 1/22 Robinson-TN)(Drollinger-WI)(Byron-NY)(Duncan-NC) (Miller-CA)(Harrell-IL)(Sienicki-Nj)(Robichaud-NB)(Russell-NB)(Forbes-TX)
- 11735 2105 RS: EE-Listeners letters, mx pgm, & ID.(343 1/7 Famularo-NJ)

C Z E C H O S L O V A K I A R.Prague

- 5930 0110 RP: EE-Talk on Soviet foriegn ministers visit to FRG.(343 1/20 Krist-VA)
- 6055 0330 RP: CK-Classical mx pgm.(454 1/16 Fraser-MA)
- 7345 0130 RP: EE-W/talk on the energy resources an Czeck.(444 2/3 Shablín-CA)(Duncan-NC)(Rising-CA)(Roussel-NB)(Forbes-TX)(Hecht-PA)(Harrell-IL)
- 9740 0300 RP: EE-YL w/nx pgm, 0M w/cmtry on military spending.(423 1/25 Duncan-NC)
- 11855 0736 RP: EE-Wld nx pgm, ID, mx pgm.(333 Ross-ONT)
- 21505 1530 RP: EE-Nx pgm, cmtry, & mx pgm.(232 2/2 Zilmer-NM)

We have a new Managing Editor, Rick Drollinger who is taking over on a temporary basis until the BOD has a chance to make a decision on the matter. We know that you will do a good job Rick... tml...

D E N M A R K R.Denmark

11825 0200 RD: DD-Nx & information.(433 1/16 Dampier-NY) Only one single logging from Denmark this month? ...tml

F I N L A N D R.Finland

11745 1920 RF: FI-OM w/long talk. I don't understand Finnish so don't know what was said.(433 1/15 Palmer-WA)
15400 1407 RF: EE-the Compass North pgm w/talks on Sweden & USSR relations.(443 1/15 Timofeev-LA)(Robinson-TN)(Starr-CA)(Roussel-NB)
21475 1419 RF: EE-Northern Lights pgm w.talk on Nordic beers.(544 1/23 Krist-VA)(Harrell-IL)(Starr-GA)
21565 1530 RF: FF-ID in EE, nx pgm.(333 2/2 Zilmer-NM)
25950 1400 RF: EE-Northern Report w/nx.(333 1/29 Duncan-NC)(Fraser-MA)

F R A N C E R.France Intl

6140 0000 RFI: FF-ID, Nx pgm, & letterbox.(555 1/14 Roussel-NB)
17775 1624 RFI: FF-a mx pgm.(545 1/16 Robinson-TN)
21620 1703 RFI: FF-OM w/afro mx pgm, IDs.(343 1/17 Thompson-CA)
21645 1545 RFI: FF-Mx pgm, ID, & freqs.(444 1/8 Hensler-TX)
21685 1615 RFI: EE-Paris Calling Africa w/nx pgm.(333 1/16 Hill-SC)
21580 1614 RFI: EE-OM w/ID, nx pgm.(243 1/8 Rising-CA)(Fraser-MA)(Ray-PA)(Harrell-IL)

G E R M A N D E M O C R A T I C R E P U B L I C R.Berlin Intl

6005 0715 R.I.A.S. Berlin: ??-OM w/talk on Germen tanks.(333 1/16 Leite
6080 0645 RFI: EE-Talk on a museum, mx pgm.(322 2/2 Ray-PA)
9560 0330 RFI: EE-Communist news says U.S. is trying to start World War 3.(322 1/22 Picarelli-CA)(Palmer-WA)(Harrell-IL)(Moshier-CA) That kind of thing is depressing to hear on SW as well as any other radio. I know the old saying, "you can always turn it off or turn to another station" but that still does'nt change the fact that it is being broadcast. Most of you know that I am not fond of R.Moscow or any of the Communist bloc countries broadcasts. I simply just don't listen to them, but it still hurts..... tml...
9620 2130 RFI: EE-Nx pgm, cmtry on chemical warfare.(433 1/16 Krist-VA)(Roussel-NB)
11890 2120 RFI: EE-YL & OM w/political talk.(333 1/18 Murphy-NY)
11920 0225 RFI: SS-ID, YL & OM w/political talks.(333 1/25 Palmer-WA)
15240 1300 RFI: EE-Nx, cmtry on agriculture.(333 1/19 Krist-VA)
21465 1545 RFI: EE-Mx songs on Peace.(353 1/1 Timofeev-LA)(Krist-VA)

G E R M A N F E D E R A L R E P U B L I C Deutsche Welle

3995 0400 DW: GG-Classical mx pgm, IDs.(222 1/21 Wood-LA)
6040 0125 DW: EE-Talk on Nazi Germany.(544 1/11 Harrell-IL)
6085 0138 DW: EE-Talk on engineer who built Brooklyn bridge.(534 2/3 Timofeev-LA)
6090 0300 DW: GG-IS, ID, wld nx in Ger.(444 1/28 Van Horn-TX)
6100 2330 DW: SS-SS service to Amer, ID.(444 1/16 Hosmer-MI)
6145 0131 DW: EE-Nx pgm, talk on Ger.(444 12/29 Worob-TX)(Timofeev-LA)
6185 0548 DW: EE-Address, freqs, talk on ceremony Feb 2.(422 1/31 Leonard-ME)(Raymond-MA)(Clemmer-KS)
6190 0637 R.Breman: GG-OM w/rock mx, & IDs.(poor 1/9 Parks-FL)
7105 0000 VOA: Uzbek-ID in EE, then nx pgm.(1/12 454 Fraser-MA)
9640 0530 DW: EE-OM w/nx, & talk on adoption.(332 1/27 Cox-LA)(Krist-VA)(Hecht-PA)
9690 0000 DW: EE-Nx pgm, "Microphone on Europe"(555 1/14 Hecht-PA)
9765 2110 DW: EE-"Roundabout" w/talk on economics.(343 1/11 Ray-PA)
11865 0130 DW: EE-Talk on life in W.Germany.(444 1/4 Dugway-MA)
11885 2100 R.Liberty: RR-Classical mx pgm, nx.(444 1/25 Famularo-NJ)
15150 1930 DW: EE-ID, nx pgm,)434 1/26 Famularo-NJ)
15410 0045 DW: GG-OM w/ID & classical mx.(333 1/18 Addison-KS)
17795 2145 DW: EE-OM w/ID, Mx, & cmtry.(455 1/21 Addison-KS)
17855 2200 DW: GG-OM w/ID, nx, & cmtry.(333 1/21 Addison-KS)
21745 1735 R.Free Europe: BL-Amer mx pgm.(rock).(333 1/8 Palmer-WA)
21600 1535 DW: EE-"Saturday Special" w/interview of a Nigerian business man.(323 1/29 Duncan-NC)(Addison-KS)

Not quite enough room to start Greece so I will jump to the next page.

G R E E C E Voice of Greece

9420 2304 VOG: GK-YL w/nx, talks, ect.(343 1/14 Palmer-WA)
 9865 0130 VOG: EE-Nx pgm & GK mx pgm.(434 1/25 Card-RI)(Hecht-PA)(
 (Robinson-TN)(Dampier-NY)(Howarth-WA)(Creamer-CO)(Miller-CA)
 (Uerlings-OR)(Harrell-IL)(Paul-AZ)
 11645 1402 VOG: GK-"Hello Athene" w/mx pgm.(333 1/10 Moshier-CA)(Dampier
 15050 1514 VOG: GK/EE-OM w/talks, mx pgm, IDs,(343 1/22 Thompson-CA)

H U N G A R Y R.Budapest

9528 0212 RB: EE-Nx pgm, wishes Happy New Year.(434 1/4 Robinson-TN)
 9585 0200 RB: EE-ID, Nx pgm, then "Open Forum"(343 1/19 Krist-VA)
 (Harrell-IL)
 9835 0105 RB: EE-OM w/nx pgm & programming.(222 1/9 Miller-CA)(
 (Robichaud-NB)

I C E L A N D I.S.B.S.

13797 1931 ISBS: IC-OM & YL w/mx pgm, songs.(243 1/9 Provance-OH)

I R E L A N D

R.Dublin Intl (Free Radio Pirate) I have been corrected before for calling these stations pirates. There has been much written lately in various DX bullitens on the subject of Free Radio. Most of it has been directed to the people who operate stations here in N.Amer. Euro pirates seem to be better tolerated than their American counterparts. I see this station as an oppritunity to log this particular country. If a station is using a freq why shouldn't the info be shared with everyone? tml...
 6910 0240 RDI: EE-Rock mx pgm, OM w/several IDs. Ads for local merchants later in the evening.(242 1/9 Provance-OH)

I T A L Y RAI

5990 0100 RAI: EE-Nx pgm, mx. Covered by QRM.(311 2/2 Zilmer-NM)
 6220 0239 R.Milano: IT/EE-Mx, mx, & more mx. No annc from 0239-0700.
 (333 1/8 Stephany-NY)(Provance-OH)(Parks-FL)
 6265 0407 RAI: IT/EE-YL w/annc in Slavic, IS, IDs.(222 1/28 Cunningham-OH)
 6274 0425 R.Time/IBC: FF/IT/EE-Rock mx pgm, IDs.(333 1/15 Provance-OH)
 7275 0446 RAI: LI-IS, wld nx pgm.(444 2/1 Famularo-NJ)
 9575 0115 RAI: EE-Nx pgm, IT vocal mx.(333 1/22 Duncan-NC)(Krist-VA)(
 11800 0240 RAI: IT-Pop mx pgm, IDs.(444 1/8 Ulmer-LA)

L U X E M B O U R G H R.Luxembourg

6090 2348 RL: EE-U.S Pop mx pgm, ID in EE @ 0000, weather, ads.(444
 1/27 Gayle Van Horn-TX)(333 1/16 Krist-VA)(222 1/16 Hosmer-MI)(443 1/7 Fraser-MA)(444 1/18 Timofeev-LA)(111 1/24 Reed-FL
 (322 Dampier-NY)

M A L T A R.Mediterran Intl Christian Radio

5960 2354 RM: EE-Test bcst on this date. Regular bcst to start on 1/18
 83.(232 1/11 Taylor-MO)(Stephany-NY)(D'Angelo-PA)(Hosmer-MI)
 9515 2047 ICR: EE-Listeners letters, address, rel pgm.(423 1/25
 Coutermarsh-VT)(Hosmer-MI)

M O N A C O Trans World Radio

9495 0900 TWR: EE-Full ID then Upcoming features, rel pgm.(333 1/9
 Drollinger-WI)(Timofeev-LA)(Moshier-CA)

N E T H E R L A N D S R.Nederland

9715 0530 RN: EE-IS, ID, nx pgm, talk on satellite.(444 1/22 Duncan-NC)
 11735 1515 RN: EE-the SW Feedback pgm.(323 1/29 Duncan-NC)
 11930 1830 RN: EE-pgm of nx.(215 2/2 Dampier-NY)(
 15560 0959 RN: ??-the Media Network pgm.(333 213 Dampier-NY)
 17695 1845 RN: EE-talk on history and future of cars.(454 2/5 Jones-TX)

N O R W A Y R.Norway

6010 0150 RN: EE/Nw-IS, ID, pgm is in Nw.(333 1/8 Robichaud-NB)
 15175 1932 RN: Nw/SS-Traditional Norse mx pgm.(222 1/31 Palmer-WA)(Harrell
 21705 1802 RN: EE-pgm of nx in EE.(333 112 Dampier-NY)
 21850 1956 RN: EE-IS, ID, OM w/nx, YL w/talk on North Sea oil.(333 1/2
 D'Angelo-PA)
 25730 1400 RN: EE-Nx pgm, talk on culture.(353 1/16 Timofeev-LA)

P O L A N D R.Polonia
 7125 2230 RP: EE-Nx pgm, talk on Soviet Peace proposals.(333 1/24 Krist
 11840 1140 RP: EE-a Polish lang lesson.(333 1/9 Timofeev-LA)

P O R T U G A L R.Portugal
 6025 0320 RP: EE-Talk on weather & tourism in.(444 1/6 Harrell-IL)
 (Picarelli-CA)(Roussel-NB)(Hotaling-NV)
 6075 0545 RP: EE-Nx, ID, freqs.(443 1/26 Demmitt-PA)
 9670 2100 IBRA: EE/PO-IS, ID, rel pgm.(313 1/5 Stephany-NY)
 11775 2050 RP: EE/FF-OM w/talk on an historic seaport.(433 1/19 Palmer-WA)
 11925 0154 RP: PP-Mx pgm, nx, talk on a monastery.(444 1/6 Robinson-TN)
 15250 1845 RP: FF-listeners letters read.(454 1/7 Robichaud-NB)
 17880 *1800 RP: EE-IS, ID, accordion mx.(433 2/3 Thompson-CA)

R O M A N I A R.Bucharest
 5990 0130 RB: SS-ID, & nx pgm.(444 1/8 Robichaud-NB)
 7195 2115 RB: EE-Political talk, address, ID, sked.(434 2/2 Famularo-NJ)
 9510 0230 RB: EE-Pop mx pgm, talk on travel.(322 1/5 Stone-ONT)(Harrell
 9690 2100 RB: EE-Nx pgm, ID, talk on Warsaw Pact.(433 1/15 Duncan-NC)
 15240 1300 RB: EE-Nx, mx, talk on housing in Rom.(343 1/15 Krist-VA)

S P A I N R.Exterior de Espana
 9630 0140 REE: EE-OM w/wld nx, YL w/cmtry.(333 1/26 Cox-LA)Hecht-PA)+11
 11760 2033 REE: EE-Nx pgm, lang lesson, wx.(555 1/29 Robinson-TN)
 11800 0000 REE: EE-Nx pgm, talk on a super nova observed at a Spanish
 Observatory.(555 2/2 Robinson-TN)
 11880 0105 REE: EE-Classical mx pgm, nx, & talks.(534 1/2 Timofeev-LA)+9
 15375 2000 REE: EE-Mx pgm, ID at 2000.(333 1/2 Drollinger-WI)

S W E D E N R.Sweden Intl
 9695 0245 RSI: EE-the Sweden Calling DXers pgm.(444 1/12 Hesch-NY)(
 (Duncan-NC)(Krist-VA)(Palmer-WA)(Harrell-IL)(Paul-AZ)(
 11705 *0230 RSI: EE-OM w/ID, nx, talk on cooperation w/women.(333 1/31
 Cox-LA)(Taylor-MO)(Hill-SC)(Moshier-CA)(Addison-KS)
 21615 1415 RSI: EE-Mx pgm (classical to rock).(454 1/6 Hosmer-MI)(
 (Roussel-NB)(Timofeev-LA)(Gayle Van Horn-TX)

S W I T Z E R L A N D Swiss Radio Intl
 3985 0600 SRI: FF-no details.....(333 Dampier-NY)(Timofeev-LA
 6135 0214 SRI: EE/SS-Dateline w/freqs & times.(544 Winkelman-OK)(Demmitt
 -PA)(Picarelli-CA)(Robinson-TN)
 6165 2145 SRI: EE-Dateline w/wld nx to Afr.(433 1/28 Famularo-NJ)
 9560 0710 SRI: Nx pgm, & ID.(444 Ross-ONT)(Dampier-NY)
 9725 0140 SRI: EE-IS, ID, pgm of wld nx.(454 1/16 Forbes-TX)(Hecht-PA)
 (Timofeev-LA)(Hill-SC)(Krist-VA)(Moshier-CA)(Hosmer-MI) + 3
 11715 0145 SRI: EE-YL w/ID, nx on Dateline.(333 1/7 Addison-KS)
 17830 1534 SRI: EE-the Nx on Dateline.(333 1/26 Ray-PA)
 21570 1530 SRI: EE-ID, wld nx, classical mx pgm,(433 1/23 Picarelli-CA)
 (Murphy-NY)(Timofeev-LA)(Smith-FL)(Harrell-IL)

U N I T E D K I N G D O M BBC
 3955 0536 BBC: EE-OM & YL w/EE by radio.(423 1/29 Famularo-NJ)
 5975 0204 BBC: EE-OM w/nx about EL Salvador.(444 2/4 Shamblin-CA)
 (Addison-KS)(Dampier-NY)(Gayle Van Horn-TX)
 6005 0100 BBC: EE-pgm of nx.(212 Dampier-NY)
 6120 2300 BBC: EE-Mx pgm, then YL reads nx.(444 1/27 Duncan-NC)(Addison
 6175 0205 BBC: EE-YL w/ID & Review of the British Press.(444 1/11
 Addison-KS)
 7260 0430 BBC: FF-ID, Nx & Mx pgm.(544 1/9 Roussel-NB)
 7285 0530 BBC: EE-ID, pgm called "Medically Speaking" for doctors & med
 students.(333 1/13 Palmer-WA)
 7325 2301 BBC: EE -Mx pgm.(444 Dampier-NY)
 7465 0100 BBC: EE-Talk on the EDXC.(222 1/6 Smith-FL)
 9410 0301 BBC: EE-Nx pgm.(433 Dampier-NY)
 9505 0430 BBC: EE-OM w/ID, YL w/cmtry. Jazz mx.(333 1/28 Cox-LA)
 9510 0430 BBC: E3-Talk on propagation,(Forrest-CA)(Dampier-NY)
 9530 0100 BBC: EE-Nx, ID, on Review of the British Press.(323 1/10
 Smith-FL)
 9590 0017 BBC: EE-Talk on trade balance of U.S. & Japan.(554 1/17
 Harrell-IL)
 9640 0701 BBC: EE-pgm of nx.(323 Dampier-NY)
 9760 1845 VOA: EE-"Now Music In USA"(545 1/19 Coutermarsh-VT)

UNITED KINGDOM (continued)

9915 2209 BBC: EE-Wld nx, ID, cmtry.(444 1/27 Gayle Van Horn-TX)
(Dampier-NY)(Krist-VA)
11750 2105 BBC: EE-Nx, Jazz mx pgm.(555 1/19 Robinson-TN)(Addison-KS)
11860 0525 BBC: EE-"This Week in Africa"(443 1/29 Timofeev-LA)
11945 1955 BBC: RR-OM w/talk in RR, some mx.(322 1/15 Palmer-WA)
11955 0602 BBC: EE-pgm of nx.(222 Dampier-NY)
15070 1430 BBC: EE-pgm of piano mx.(344 1/22 Leonard-ME)(Dampier-NY)
(Gayle Van Horn-TX)(Addison-KS)
15215 1100 BBC: EE-pgm of nx.(433 Dampier-NY)
15260 0100 BBC: EE-Mx pgm, address, ID, & nx.(454 1/25 Johnson-CA)
17705 0117 BBC: EE-OM w/a classical mx pgm.(343 1/19 Thompson-CA)
21470 1700 BBC: EE-ID, Wld nx pgm.(544 1/8 Harrell-IL)
21550 1530 BBC: EE-Beethovens 1st symphony.(444 1/30 Muzyka-NY)(Dampier
21710 1530 BBC: EE-"Concert Hall" & a symphony.(454 1/16 Fraser-MA)
(Addison-KS)(Smith-FL)
25650 1435 BBC: EE-Talk on cancer & its causes.(454 1/23 Krist-VA)

U S S R

4860t 0237 Kalinen: EE-Propaganda talk, & mx.(333 1/31 Gilster-NC)
5980 2100 RM: EE-Pgm of Euro nx.(344 Dampier-NY)
6115 0245 RM: EE-OM w/ID, cmtry on WW2.(444 1/17 Addison-KS)
7150 0000 RM: EE-Special on Adamovs visit to U.S.(454 1/6 Fraser-MA)
7155 0253 RM: EE-Mx pgm of songs.(333 /126 Demmitt-PA)
7165 0315 RK: EE-an Arms reduction talk.(433 1/17 Famularo-NJ)
7175 0631 RM: EE-Talk by Vladimir Posner on John Lennon.(444 Grijalva-NM)
7215 0000 RM: EE-Nx pgm, mailbag pgm.(444 1/13 Fraser-MA)
7260 0746 RM: EE-the Soviet History Club.(344 1/11 Moshier-CA)
7280 0318 RM: SS-Lang pgms to Canary Islands.(333 1/27 Palmer-WA)
7290 0313 RM: RR-pgming to N.Atlantin fishing fleets.(433 Palmer-WA)
7360 0455 RM: SS/EE-"los paises de la Amer Latina"(343 1/27 Palmer-WA)
7500 0420 RM: EE-Usual propaganda about how the U.S. treats the Amer
Indians.(444 1/29 James-NC)
9490 0000 RP&P: SS-pgm of nx.(444 1/29 Dampier-NY)
9500 0232 R.Orbita 4: ??-mx pgm.(322 1/4 Dampier-NY)
9580 2000 RK: EE-pgm of nx.(433 1/6 Dampier-NY)
9795 2130 RY: AR-Skeds, ID, & nx pgm.(555 1/7 Robichaud-NB)
9800 0320 RM: EE-"Sidelights of Soviet Life"(544 1/14 Hecht-NY)
11600 1800 RM: EE-Talk of how Americans want to take over the Falklands.
(333 1/2 Dampier-NY) What would we do with it if we had it?
Here we go again... Depressing... tml
11785 1400 RT: EE-Talk on Arms race.(333 1/17 Moshier-CA)
11800 1330 RP&P: EE-ID, no details on pgm.(323 1/21 Moshier-CA)
11835 1758 RM: EE-NX, mx, cmtry on hypertension.(444 1/7 Robinson-TN)
11840 1830 RM: EE-ID, nx, classical mx pgm.(454 1/16 Ray-PA)
12020 1605 RM: EE-Nx pgm, mx, & listeners letters.(454 1/23 Krist-VA)
15100 0305 RK: EE-Interview w/a teacher.(333 1/14 Moshier-CA)
15130 0300 RM: EE-OM w/nx, ID/(444 1/24 Johnson-CA)
15140 0407 RM: EE-Talk on a new truck plant.(444 1/8 Moshier-CA)
15150 1800 RM: RR-Mx pgm.(333 2/10 Dampier-NY)
15160 0900 RM: CC-pgm of nx.(212 2/9 Dampier-NY)
15180 0300 RM: EE-nx pgm.(222 2/9 Dampier-NY)
15240 0030 RK: EE-Wld nx pgm.(444 1/30 Stone-ONT)
15430 1544 RM: EE-Mx, nx, & missile discussion.(555 1/20 Robinson-TN)
15455 0230 RM: EE-Mx, disc on the Cold War.(444 1/24 Johnson-CA)
15505 2130 RM: FF-Mx pgm, & nx.(222 2/1 Dampier-NY)

V A T I C A N S T A T E R.Vaticana

9645 0655 RV: IT-Sacred mx on pipe organ.(333 1/14 Palmer-WA)
11845 0100 RV: EE-YL w/cmts om Popes message.(222 1/20 Sable-NY)
15110 1500 RV: EE-Rel nx items, freqs-times.(343 2/2 Zilmer-NM)
17730 1730 RV: EE-Ceremony for 18 new Cardinals.(444 2/2 Coyle-PA)

Y U G O S L A V I A R.Yugoslavia

9620 2215 RY: EE-YL w/wld nx, ID, IS, & anthem.(hooray, I finally
heard Yugoslavia)(323 1/27 Gayle-Van Horn-TX) I'm glad you got
em Gayle. I'm still trying for Ireland but so far nothing.tml
15240 1540 RY: EE-YL w/nx, ID, freqs, IS.(222 1/15 Ray-PA)(D'Angelo-PA)

Sorry but I had to cut many of the loggings from the last 3 countries
because the bottom of the page slipped up on me. Thanks for all the support
you have given this column. See you in April, 73 ... *Ferry*

SWBC DX

AFRICA

EDITOR: MIKE NIKOLICH
2137 W. Farwell Ave.
Chicago, IL 60645



Radio Television Kaduna

Deadline: 12th
Times & Dates: GMT
Frequencies: kHz

FEBA
Seychelles

EXCUSE ME WHILST I BATHE MY EGO

I make it a strict point not to editorialize about myself or things that relate to local clubs that I run, etc., but on 2/17, something significant happened that I wanted to share with you. That night, after a solid month of monitoring, I managed to snare Emisora Oficial Prahia, from Cape Verde, my 200th shortwave country. Seeing that I edit a column about Africa, it seemed only fitting that my 200th would be an Afro! Well, we broke out the champaign, celebrated a bit and now it's back to normal. For me, it was a pretty special moment. It took me 13 years to do it. Thought you might want to know. Oh, by the way, in lieu of congratulatory cards and letters, you may want to send donations to my favorite charity. Address these donations to: THE MIKE NIKOLICH NRD-515 FUND c/o the above address.

LOTS AND LOTS OF LOGS THIS MONTH

Because of your outstanding support this month, you'll notice no OBC Monitoring Svc info as well as no S. Africa logs. Look for a return to the news and features next month. This month, it's all logs.

ALGERIA

- 9685 2000 RTVA; EE, IO and IS, OM nx til 2014, not on announced frequency (Uerlings, OR, 1/16); 2002, nx by YL, "This nx comes to you from Algiers," 2010, mx, 1/23 (Hosmer, MI)
- 15160 2000 RTVA; EE, int'l svc, IO, into 5 minutes of lite inst mx until 2005 when OM read the nx, many Algerian items, of course, mixing w/KGEI, 2031*, 1/15 (D'Angelo, PA)
- 15370 2015 RTVA; FF, tx by OM, YL IO, into more nx, mx was played between nx stories, 333, 1/25 (Sharp, FL)

ANGOLA

- 4820 2251 R. Nacional; PP, IO at 2300, similar to IO hrd on 9535 (but not in this day!), 232, 1/6 (Moman, AB)
- 9535 1622 R. Nacional; Kwanyama/EE, OM w/afro mx, IO, 1630, EE "Voice of Namibia" px, 443, 1/15 (Thompson, CA); *2229, EE, IO, TC, nx by OM, into pop mx, IO at s/off "This is EE px of RN de Angola from Luanda," bac1 to PP, 354 (Stephany, NY); 2215, FF/EE, FF px til 2230, then EE IO and nx and mx til 2301, 333, 1/13 (Hosmer, MI); 2225-2235, FF/PP/EE, IO in FF 2229, IO by YL in PP 2230, then IO by OM in EE, "Coming from Luanda, capital of the People's Republic of Angola, it's Radio Nacional broadcasting," into EE nx by OM, 1/27 (Cunningham, OH)+5
- 11955 0532 R. Nacional; PP, political cmty by OM into pop mx at 0537, QRN, but otherwise pretty good, 1/15 (Schlesinger)

ASCENSION ISLAND

- 6005 2237 BBC Relay; EE, OM reading stock quotes, 2238, diff. OM w/recap of upcoming px's, 1/14 (Palmer, WA)
- 7105 0410 DBC; EE, world nx, Falklands data, 1/19 (Piatelli, CA)
- 9600 0435 OBC; EE/FF, FF to WSC Africa by OM w/nx, into EE at 0445 w/financial nx, 1/15 (Palmer, WA); 0355, "Talk Oack" px w/letters from listeners (Hecht, PA)
- 11820 1850 BBC WS; EE, good classical mx, 1900, IO for BBC WS, into world nx, 1/31 (Palmer, WA); 0240 (Forbes, TX)
- 11860 0400 BBC; EE world nx about Britain, 1/12 (Hecht, PA)
- 15105 1830 BBC; IO in FF and tx til 1837, then pop mx px hosted by YL, 333, 1/24 (Hosmer, MI)

15260 0140 BBC; EE, OM tx about Adolph Hitler, 2/3 (Shamblin, CA)
15390 2130 BBC; EE, bells, ID by YL, "This is London calling the Falkland Islands," nx, report on Argentine build-up, 1/21 (Gabriel Grijalva, TX)

21660 1440 BBC; EE, cancer and the environment, OM, 1/23 (Sclesinger, TX)

BENIN
4870 1954 ORTB; EE/FF, nx in EE, ID at 1957, "News from the People's Republic of Benin," into afro pops, 1/20 (Sugai, Japan); 2215, FF, lcl mx and chants, ID and mention of Cotonou, 2219, 1/24 (Sharp, FL)

BOTSWANA
3356 0345 R. Botswana; Setswana, cowbell IS, NA, KO'd by strong het, 212, 1/28 (Sharp, FL)
4845 0347 RB; Setswana, IS, NA, ID by OM, QRM de SRS, F/o 0412, 322, 1/29 (Sharp, FL); 0409, vern, pop vocals, 323, 2/4 (Uerlings, OR)

CAMEROON
4000 0450 R. Dafoussam; LL px to 0501, ID, OM w/tx to mx, 1/8 (Hall, CA)
4850 0536 R. Yaounde; EE, YL w/nx, regional mx, ID, 1/11 (Uerlings, OR); 0535, EE, world nx by YL, ID, rock mx, 1/19 (Ray, PA); 2146, FF, disco and lcl mx, brief OM ID, 2147, 1/30 (Sharp, FL); 2110, EE Afro nx, "This is Radio Yaounde," into FF px, 1/14 (Fraser, MA)
5010 0430 R. Garoua; FF/EE, OM w/bilingual ID, NA, into Koran, 2/1 (Sharp, FL); 0534, nx in EE by YL, 1/11 (Konen, WI)
9745 2104 RC/Yaounde; EE/FF, EE nx by YL, FF @2115 1/30(Konen, WI)

CAPE VERDE
3930 2300 Voz de Sao Vincente; PP mx, ID, transcription px from Radio Portugal, I can't believe I'm hearing this! 2/6 (Dampier, NY)**Very, very nice log, OM! mln.
7154 0750 Emisora Oficial; PP w/DM DJ hosting hiliife mx px, two gongs at 0800, two computer blips, then full ID in PP, into world and lcl nx, 0805, two computer blips, ID mentioning SW/NW/FM freqs, HIC#200 (at long last after 13 years!), 2/17 (Nikolich, IL); 0745-0859*, PP, vocals to 0802, IS, 2-note gong, nx to 0812, 0859, 2-note gong and off, 222, 1/6 (Wilkins, CO); 0800, disco mx, 2-note gong, OM in PP, 2/6 (Dampier, NY); PP, R. Budapest GK out 0802 and Cape Verde in. Definite log, but which station??? IDs similar to both stns described in WRTVH (at different times), s/off 0901, 1/29 (Hosmer, MI); 0835, PP, disco and rock, 0850*, 1/29 (Konen, WI)

CENTRAL AFRICAN REPUBLIC
5035 2146 LV de CAR; FF, Afro mx, chants, ID w/message anmt at 2150, 2/1 (Sharp, FL)

CONGO
15190 0600 RTVC; FF, songs w/tape trouble as they kept slowing down, good local mx, 2/4, "what is hiliife mx???" (Dampier, NY)**It's the mx played on Miller beer commercials. Actually, it's that indigenous West Afro mx that sounds very similar to jazz w/flowing guitars and syncapated drums. I find it very enjoyable to listen to.

EGYPT
9027 0512 R. Vatan; Farsis, Koran hrd for 10 min, into other mx, ID by OM over mx 0528, 1/27 (Sharp, FL)
9475 2128 R. Cairo; EE, mx, nx, Egyptian scientist studying soybeans for anti-cancer serum, \$30 million children's hospital to open (Robinson, TN); 0200, EE, mx to 0215, 1/11 (Card, RI); 0305, EE, nx of the world, 1/23 (Hecht, PA); 0100, SS (Card, RI); 0247, EE (G. VanHorn, TX)+3
9805 2117 RC; EE, nx by YL til 2119, ID, feature on printing in Egypt, RTTY QRM, 1/23 (Hosmer, MI); 2005, ID, nx, cmty (Roussel, NB)
12000 0158 RC; EE, mx, ID and freqs in use, more mx, 1/30 (Carlson, WA); SS, 1/15 (Card, RI); 0200, EE, //9475 (Forbes, TX)+5

ETHIOPIA
7110 0328 VoRE; Amharic, flute IS to 0329, NA, ID by OM, into lcl mx, some QRM, 2/1 (Sharp, FL)

GABON
4777 *0430 RTV Gabonaise; FF, balafon IS, NA, s/on, hilife mx, fading by 0520 (Wilkins, CO); 0530, Afro vocals, 1/17 (Uerlings, OR)

4811 0525 Africa #1; FF, pop mx, IDs, 1/29 (Speer, CA); 0520, tent. in FF w/pop mx, 1/14 (Harrell, IL); 0534, FF, OM w/nx, 1/11 (Uerlings, OR); 0547 (Timofeev, LA)+5

11940 1710 AN#1; FF, pop mx, FF Marlboro cigarette ads, ID, more mx, 1/25 (Hosmer, MI); 1855, FF, afro hilife mx, DJ chatter, then nx by OM after ID, 1/9 (Gilster, NC); 2147-2300, FF, Cuban, afro rock, Jerry Lee Lewis tunes, 1/15 (Sharde, CA)+4

GHANA
3350 0600 GBC-1/Ejura; EE/Vern, YL nx in EE into Vern, first time noted at this QTH, 1/25 (Sharp, FL)

4915 0559 GBC; EE/Vern, IS, nx in EE, cmtly on U.S.-Ghana relations in Vern, 1/19 (Tate, WV); 0635, Vern/EE, hilife mx, tx til 0659, drum IS, EE ID by YL, 1/11 (Ray, PA)

GUINEA
4910 0400 V. of the Revolution; FF, nx, mx, mention of Nigerian expulsion of workers, 1/23 (Speer, CA)

IVORY COAST
4940 2100 R. Abidjan; FF nx by OM, ID, into discussion, 2/1 (Sharp, FL); 2145, FF, West Afro mx (Famularo, NJ)

7215 0730 RTVI; FF, hilife mx, OM after each song w/"Rdif. Ivoriennne," ID, ARO QRM, 1/16 (Wilkins, CO)+1

11920 2217 RTVI; FF, description of the different diplomas of Ivory Coast's university (Robichaud, NB)

KENYA
4804 2101 V. Kenya; general svc, OM in EE, s/off 2110 w/NA, 1/22 (Leite, MA)

4915 0257 VoK; Swahili, IS til 0259, ID, time pips, NA and formal s/on in Swahili, into presumed nx, 1/24 (Hosmer, MI); 0409, Swahili, OM, nice-sounding Afro melodies (Konan)

4934 0259 VoK; EE, flute/drum IS, pips to 0300, opening anmts by OM, 1/26 (Sharp, FL)

LESOTHO
4800 *0400 R. Lesotho; Sesotho, opened w/vocal anthem, ID unclear, but hrd mention of "891 kHz" thru QRM, lost sig at 0410, 1/24 (Hosmer, MI); 0405, Sesotho, presumed relig. tx, 1/14 (Hotaling, NV)

LIBERIA
3255 2200 ELBC; lcl mx, EE DJ, ID as "ELBC/Monrovia," 2/6 (Dampier, NY)

4765 2149 ELWA; EE, relig px hosted by OM, ID and TC at 2200, 1/25 (Sharp, FL); 2259, EE relig px, s/off 2304, 1/11 (Moman, AB); 2230, EE, listener letters and mx, 1/22 (Harrell, IL)

6035 0400 VoA/Monrovia; EE, OM and YL w/EE tx, top ten songs (Worob, TX)

LIBYA
11815 2305 R. Jamahiriyyah; EE, eastern mx, tx by OM on governments and laws, vanished by 2324, 1/22 (Forsman, CA); 2255, EE, discussion of the role of women as presented by the "Green Book," 2/4 (Famularo, NJ); 2233, EE, OM and YL w/common criticism of the US, very weak audio (Shamblin, CA); 2226, EE, 16 min. feature on basic principles of Islamic family life (poligamy is permitted--especially after wars when men are limited) (Drollinger, WI)+1

17940 1656 VoSudeneese Popular Revolution; AA, slow ID, usual political speeches, 1/16 (Ulmer, LA)

MALAGASY REPUBLIC
3288 0426 R. Malagasy; EE/Vern, pop mx, EE ID at 0430, some vern tx noted, too, 1/26 (Sharp, FL)

11735 1429 RN; EE, IS, "Happy Station" px, 1/30 (Upchurch, IN)

15570 2045 RN; EE, "Happy Station," including a history of cheese (70% of Dutch cheese is Gouda--Edam is a distant 2nd), 1/30 (Coyle, PA)

15590 1658 RN; Dutch, IS, 1700, opening anmts, ID, must have replaced 15570 w/this freq to avoid Moscow (Palmer, WA)

21480 1440 RN; EE, "Happy Station," YL reading letters (Schlesinger, TX)

21640 1810 RN; AA, tx til 1818, gave IO, closing anmts, 1820* (Palmer, WA)

MALI
4783 0559 R. Mali; FF, end of NA, IO by OM, anmts, more tx, into chants, 333, 2/1 (Sharp, FL); 0559, s/on, ID (Konen, WI)

5395 2156 RM; FF, North African svc, casual IOs, usually "Ici Bamako," 1/26 (Sharp, FL)

7110 0700 RM; FF, into IO and official-sounding anmt by OM (Sharp) 0704, FF, mx, ID at 0719 (Kanon, NY); 0728 (Wilkins, CO)

MAURITANIA
4845 0630 RN du Mauritanie; AA, inst and vocal mx, 0640, tx by OM w/some inst mx, 1/29 (Timofeev, LA); 0615, AA, OM into'ing AA pops, 1/16 (Schlesinger, TX); 0700, FF IO and nx, then AA mx, 1/29 (Hosmer, MI); 0002* (Sharp, FL)

MOROCCO
11760 1930 VoA Tangiers; EE, nx, cmtly and discussion on '84 elections, ID, 1/18 (G. VanHorn, TX)

15105 0120 RTVM; AA, good signal until OW s/on, this is a good catch in these parts, 1/29 (Palmer, WA)

MOZAMBIQUE
3210t 0258 RM; PP, tx by YL, mention of Maputo, but QRM prevented IO, 1/24 (Sharp, FL)

4886.4 0330 RM; tent. w/pop and inst mx, //3210, 3341, both vy weak, 1/13 (Wilkins, CO)

11818 0547 RM; PP, pop mx, jazzy touch, YL, QSB, 1/16 (Schlesinger)

NAMIBIA
4965 0512 R. Southwest Africa; Afrikaans, staying on top of Radio Santa Fe, song "Muskrat Ramble," OM, at 0513, he seemed to be interviewing people via phone, 1/14 (Palmer, WA); 0428, classical/EZL mx, OM IO in AF at 0431, 1/27 (Sharp)

NIGER
5020 0529 ORTN; FF, brassy NA, IO by OM, FF anmts, into Koran, 1/23 (David Sharp, FL)

NIGERIA
3396 2059 FRC/Kaduna; EE, presumed with talking drum IS, nx from Lagos. Covered at 2104, 2/1 (Sugai, Japan)

4755 0418 FRC/Owerri; EE, mx w/YL, 444, 1/14 (Karns, OK)

4770 0045 FRC/Kaduna; EE, YL, ID for Kaduna, TC, pop and soul mx, local nx, 1/10 (Hotaling, NV); 0515, EE, comtly on education in Nigeria, 1/29 (Speer, CA); 2319, EE, pop mx, quick deep fades, TC 2323 as "24 min past midnight," matches other reports I've seen, but no IO so tent. (Winkeman, OK); 0410, EE, nx, ID (Harrell, IL); 0525, regional nx in EE, ads, 1/11 (Uerlings, OR); 2107, EE, nx by OM, tx on industrial growth in Nigeria, ID by YL, 1/16 (D'Angelo, PA); 0555, TC, ID (Starr, GA)+4

4990 2303 R. Nigeria; EE nx, TC for "3-1/2 past 12," ID as "RN/Lagos," s/off 2305 (Moman, AB)

5965 0615 Plateau BC/Jos; EE, two OMs w/tx and commentary, mentions of Nigeria, 1/31 (Uerlings, OR)

6025 0605 FRC/Enugu; EE, Nigerian nx, OM, QRM de AFRTS 1/16 (Schlesinger, TX)

7255 0530 V. Nigeria; EE, IOs and world nx, tx about cotton production (Harrell, IL); 0800, EE, broadcast info, TC, late '70s pop mx, 1/25 (Sharpe, CA)

11770 1725 VoN; EE, two OMs discussing plight of black man in Africa, editorial, unusually good reception, 2/3 (Thompson, CA); 1700, EE, ID, mx, 1/21 (Forbes, TX)

15120 0510 VoN; EE, nx, "You Are Listening to the Voice of Nigeria," ID, 1/14 (Harrell, IL); 0728, EE, OM w/px summary, IOs, then drums til world nx at 0730, 1/27 (Wood, LA); 1138, EE, ID by OM, lcl and world nx, 1/24 (Sharp, FL); 1140, EE, cmtly on South Africa, nx, s/off, 1/19 (W. P. Muzyka, NY); 1959, GG, YL s/off in FF (Thompson, CA); 1900, FF, IO, nx, letters (Roussel, NB); 1800, EE, ID, nx by YL, cmtly by OM justifying expulsion of Asians from Nigeria, 1/23 (Hosmer, MI); 2100-2140, EE px's, TC, IOs, nx of Nigeria (Drollinger, WI, Howarth, WA, Starr, GA, G. Duncan, NC)

17800 2113 V. Nigeria; EE, OM, IO, then tribal mx, TC in GMT at 2115, bad QRM de GG on 17795, 1/13 (Palmer, WA)

RWANDA
7225 0430 OW Relay; EE, s/on w/YL IO and freqs, nx, 1/17 (Wood, LA)
11965 1532 OW; EE, OM/YL on soil conservation, IO, tourism px about
Germany followed, 1/15 (Thompson, CA)

SAO TOME E PRINCIPE
4807 0644 R. Nacional; PP tx and mx, OM, 1/16 (Leite, MA)

SIERRA LEONE
5980 0600 SLBC; EE, ID by OM then morning prayer, YL w/px anmts,
nx, 1/31 (Uerlings, OR); 0705, TC, obits, 1/11 (Ray, PA)
2255, EE nx by YL, OM IO 2302, 1/21 (Konen, WI)

SOMALIA
6790 0405 R. Mogadishu; AA, chants, s tx and mx til 0501*, nx at
0450 (presumed), IOs mention Mogadishu clearly, 1/17
(Hosmer, MI); 2055, Somali or AA? tx til 2059, clear, NA
and carrier off 1 min. later, 1/24 (Hosmer, MI); 0302,
ID and mx in AA, 1/19 (Roussel, ND); 0315 (Wood, LA)+1

SWAZILAND
5055 0355 TWR; probably in GG, IOs til 0400, "This is
TWR/Swaziland," piano mx, then into another lang, 1/13
(Paul, AZ); 0356, EE/Afrikaans, listening to TIFC when
TWR is and EE IO covered stn, 1/21 (Hosmer, MI)
9640 1557 TWR; IO, "This is TWR/Swaziland," Moscow QRM (Moman, AB)
0436, Afrikaans, IO, IS w/bells, 1/22 (Ulmer, LA); 0343,
tuned in just to hear Gujerati lang. of India px, two
bars of TWR IS, weak but clear, 1/27 (Palmer, WA)
9730 0429 TWR; EE, px, IO, "Light of the World," "Radio Bible
Class" canned shows, 1/23 (Taylor, MO)

SUDAN
11365 2152 Voice of the Libyan People; AA, wails, Koran, IO by OM,
QRM'd by what I think is SPLAJBC, also on 11365, 1/30
(Sharp, FL)

TANZANIA
5050 0318 R. Tanzania; Swahili, OM in Swahili, Afro melodies, 1/11
(Konen, WI); 0400, tx in EE, very muddy audio, but clear
ID, thanks to Konen tip (Nikolich, IL)

TOGO
5047 0525 R. Togo; tone call chiming, 0528, NA, hymn, 0538, mx,
1/23 (Paul, AZ)**Yes, OM, when reporting logs, include
the GMT date, not the date in AZ! mln. 0545, FF, hilife
mx, chants, IO by OM 1/24 (Sharp, FL); *0530 (Ray, PA)

TUNISIA
15225 2230 RTVT; AA, continuous chants and mx w/live crowd, 2300,
OM IO, YL nx, 1/26 (Famularo, NJ)

UGANDA
5026 0411 R. Uganda; EE nx w/story abt Margret Thatcher, into
"Main points nx from Uganda," by OM, 1/13 (Paul, AZ);
0430, nx in Vern, full IO, 1/4 (Ross, ON)

UPPER VOLTA
4814 0527 RTVV; FF, IS, into military-sounding NA, anmt by OM,
into drum mx, 1/24 (Sharp, FL)

ZAMBIA
4910 0353 RZ; fisheagle is, NA, tx by OM, 0359, IO, into 10
minutes of nx, 1/25 (Sharp, FL); description in Gamba(?)
by OM, 1cl mx, IO at 0420 in EE as "Radio Zambia,"
followed by nx, 1/22 (Hall, CA)

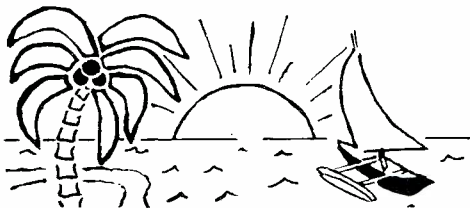
CLANDESTINE/UNID
6250 0752 UNIO; AA, tx like AA style, crowd cheering at 0800, hrd
as late as 0937 on 1/3 (Moman, AB)
7245 2130 Radio Voice of Palestine; gunshots, martial mx, 212, 2/4
(Dampier, NY)**Actually, this probably belongs as
listing under R. Nacional de Angola. mln.
17940 1610 V. Sudanese Popular Revolution; AA tx, mainly AA mx
until 1630 when clear IO was hrd, followed by long
political tx, 1/23 (O'Angelo, PA)

That's all for this month, it isn't often that I get a line or two to say something, but I guess that's the case this month. In closing, I'd like to say that if there really is a Redd Ryder out there who is a member of SPEEOX, write me. If not, nice try. Can't always fool me.

ASIA-OCEANIA

EDITOR:
TOM SCOTT
1200 Cornwall
Yukon, OK 73099

DEADLINE: 12th of each month
FREQUENCIES IN KILOHERTZ
TIMES ARE IN GMT
0000=sign on 0000=sign off



No, I am not Tom Scott, I am John Trautschold, the pseudo-editor of this column! Once again, for reasons unknown, no A/O column has arrived here as of March 1. We just can't wait any longer, so we go to press without it. Tom says it was mailed on the 16th of Feb, so???

Also in speaking with Tom, he mentioned that he is considering giving up his column due to his added responsibilities with his work. He also may be transferring out of the country soon which would make doing this column next to impossible. So, we are in the process of looking for a new editor for A/O.

Whilst we are on the subject of new people, I would like to personally welcome a tentative (pending BOD approval) new Managing Editor to SPEEDX. Rick Drollinger of Milwaukee took over the ME duties from Larry Talbot this past month and is looking forward to working with all of our editors and answering any of your questions. If you need to contact Rick with complaints our suggestions, please write to him at 9529 W. Sarasota Pl., Milwaukee, WI 53222. Naturally, you can also write to your good old publisher at P.O. Box 861, Menomonee Falls, WI 53051 as well. In all cases, please remember to inclose a SASE with your letter. Remember, we are all volunteers and most of the postage comes out of our pockets.

I would also like to thank Larry Talbot for his work over the past few years as Managing Editor. He took over at a tough time for SPEEDX, soon after the ME for many years, Oliver Ellsworth, died. Larry and I worked quite closely over the years making sure you got the best product possible, and judging from your comments, we must have succeeded. So, thanks again Larry, and I'm sure we will see your name pop up again sometime soon in the pages of SPEEDX.

So now, back to the subject at hand...the future of this A/O column. I mention Ricks address above so that if you are interested in editing this, or any other column in SPEEDX, you might let us know. We are always looking for new editors to keep on reserve, and if you are interested, this is what we would like you to do:

- 1) Write us a letter saying you are interested including your qualifications (you need not have edited before...but typing abilities are definitely a plus...the most important qualification is a sincere desire to edit as well as an interest in the area in which you are editing!)
- 2) Send a sample of your work...in other words if you are interested in doing A/O, type a page or two of the column the way you would like to do it. We want to check out your typing abilities, etc.
- 3) Do not write to us unless you have time. It doesn't take a lot of time continuously to do the column, but it will be work-intensive for a few days at least around your deadline time which is the 12th of the month.
- 4) If you have any other questions please contact Rick or myself. We will be glad to answer them.
- 5) Finally, send us a short biography on yourself, how long you've been in the hobby, the kind of work you do, etc. We always enjoy knowing a bit about our editors and staff.

So, there you have it. About a year ago SPEEDX sent a survey to all of it's members. From the survey we came up with a list of about 60 - 70 people that expressed interest in editing. We will be contacting those people soon to see if they still have an interest. We hope that when you receive our letter that you will respond quickly. We thank you.

Remember too that we are looking for someone to replace Chris Hansen as W/H editor. We do have a list of four names for that position and we hope that one of them will take on the job. But none-the-less, if you are interested, please contact us.

Finally, one other extremely important job we are looking for is the HQ's position. As has been mentioned before, SPEEDX is looking for someone to replace Don Johnson and his HQ duties ASAP. Don has been with us in one capacity or another for most of our 11 years and feels that it is time to retire. We can't blame him. However, finding someone to replace him will be a large task indeed. We are looking for someone, preferably retired or disabled, who has 5 to 10 hours per week that can be devoted to SPEEDX. The job entails handling the money that comes in for subscriptions, sending out subscription information and sample copies, other mailings as well, etc etc. He also works quite closely with the publisher in insuring that the monthly bulletin gets put out. We won't kid you that the job is easy, because it isn't, but it certainly isn't impossible. For someone who loves SPEEDX as much as Don does, the job becomes a snap. If you care as much for this club as the rest of us do, and wish to see it continue in the finest tradition, then please come forward and give Don a break. We really do need you. Again, we are looking for someone older or disabled because of the time involved. We don't want any divorces to occur over SPEEDX! A man or woman with a young family has enough to keep track of without the responsibilities of running SPEEDX...I know! We also don't want anyone still going to school...again school is taxing enough on the brain and the HQ's duties are probably some of the most important duties that can be performed for SPEEDX (next to publisher of course...hi hi!) So, if you think you are qualified, please write to Don at HQ's (P.O. Box E) or write to Rick or myself. We will get back to you one way or another. You will be hearing about this for many months to come, or until we find that replacement for Don, so act now!

Well, now onto the business at hand...that which was promised you for page 26. Oh well... Advertisement time!!! (No collect calls please!)

WANTED: FS-4 Frequency Synthesizer for SPR-4. Must be in good to excellent condition. Gabriel Grijalva, 723 South First Ave., Phoenix, AZ 85003. (602) 253-7505.

FOR SALE: DX-302 in excellent condition, 2½ years old and like new, w/ manual, all accessories and original box for \$250. Joe Brewer, 4252 St. Clair Ave., Studio City, CA 91604. (213) 763-3122. NO COLLECTS!

FOR SALE: Panasonic RF-2900 in excellent condition, \$158 including UPS to USA address. Autek QF-1, \$28.50 including UPS. Radio West ferrite loop with 22 inch bar and 3 coils, MW, LW, SW, \$115 or best offer, both in excellent condition. Call (503) 884-7364 from 1630-0030 GMT or (503) 884-7659 after 0130 GMT or weekends. Jim Uerlings, 3908 Kelley Dr., Klamath Falls, OK 97601.

FOR SALE: Yaesu FRG-7, unmodified except for ceramic filter mod. The receiver is in excellent condition and used only by your little old publisher on weekends. \$170 or best offer. MUST SELL! Or, we trade for your good condition ICF2001. Call (414) 251-2067 evenings only, or contact John Trautschold, P.O. Box 861, Menomonee Falls, WI 53051

WANTED: October 1981 issue of SPEEDX. Victor Barz, Rm. 3305 Cross-Baits II, Ann Arbor, MI 48109.

FOR SALE: Yaesu FRG-7, very good condition, \$250. Rob Harrington, P.O. Box 3434, Littleton, CO 80161

FOR SALE: Fuji metal cassettes, C-90's, metal bias 70 us Eq. cassettes. I've got four, \$3 each. Rob Harrington, P.O. Box 3434, Littleton, CO 80161

WANTED: Old issues from BSA, Batesville Shortwave Assn, 19660. 1967-1974 editions wanted. Rob Harrington, P.O. Box 3434, Littleton, CO 80161.

FOR SALE: McKay Dymek DR-33-C and DP-40 preselector. Both in mint cond. w/service manual. 6 filters including four Collins mechanical and two crystal. Shipping in original carton. Best offer over \$1000. Victor Orlando, 1711 Robinson Ave., Havertown, PA, 19083 (215) 853-2878.

WANTED: Xerox copy of Billboard's radio jingle producers. Will pay return postage. Phillip M. Dampier, 3176 Elmwood Avenue, Rochester, NY 14618

FOR SALE: Mizuho SX59 preselector, \$35. \$5 of that goes to HAP. Jerry Blake, 2025 Klug Drive., Ft. Wayne, IN 46818.

FOR SALE: Realistic DX-200 LW/MW/SW receiver. 6 months old in new cond., \$100. MFJ100 active antenna, good condition, \$20. Montgomery Ward AM/FM double cassette portable stereo in good condition, \$75. Also, large box of DX bulletins, Radio/Electronic magazines and other publications, \$10 + shipping. J.D.Tedford, 833 W. Bluff St., Marquette, MI 49855

FOR SALE: Hammarlund HQ180A receiver, 540 kHz - 30 MHz, in excellent condition w/ manual and original carton, \$240. Lab 1 freq. marker, \$20. Robert F. Bowman, 5841 Sierra Drive NW, Roanoke, VA 24012. Phone: (703) 362-8871 from 2200-0100 GMT.

FOR SALE: Hammarlund HQ180AC (w/clock timer), \$320. Yaesu FRG-7 (Gilfer) with 4kHz filter and 2.4 kHz filter and KS preselector, \$230. Both receivers in mint condition and include manuals. Prices also include shipping in Cont.USA. Tom Picarelli, P.O. Box 425, Sunnymead, CA 92388. Call (714) 653-4476.

FOR SALE: Allied/Radio Shack SX-190 SWBC receiver, good condition, \$150 plus UPS. Yaesu FRG-7, fair condition, damaged by fire but repaired by Yaesu with new case, etc, \$125 plus UPS. Collins R-388/51J3, fair for \$200 plus UPS. M.J.Stutterheim, P.O. Box 2576, Montauk, NY 11954. Call (516) 668-9460 weekends only...NO COLLECTS

WANTED: HQ180A rack mount (complete receiver). M.J. Stutterheim, P.O. Box 2576, Montauk, NY 11954. (516) 668-9460 weekends only, no collects.

FOR SALE: Gilfer modified FRG-7700, MU-7700, FRT-7700; excellent cond. and rarely used; original shipping carton; \$550. John McCann, 2105 N. Illinois St., Arlington, VA 22205 or call (703) 532-5218.

FOR SALE: Service manual for Realistic DX160. It's punched for a three ring binder. \$5 for manual and shipping. Mark W. Johnson, Box 251, Fairfield, ID 83327. (208) 764-2604 after 5p.m. MST.

FOR SALE: Save over \$400 on a Japan Radio Corp. NRD-515 w/matching speaker. A superlative DXing machine, modified by Radio West. Outstanding selectivity - 3 Collins mechanical filters (1.9, 2.9, & 3.8 kHz) plus 6kHz stock. 6 months old, still under warranty. \$1450 includes shipping by UPS. Also, Sony ICF5900W portable, \$95 including shipping. Call Mark Gorden at (415) 556-5116 days, (415) 752-2013 evenings and weekends.

Well, there you have it...all up to date on the ads. There are lots of good things for sale, so SPEND YOUR MONEY!!!! HI! Again, remember, no collect calls to any of these people, ok? I'm sure that they will appreciate it. And, don't forget about what we wrote about earlier. We need you name in our file if you are interested in editing or any other aspect of staff work with the club. Please write today. Volunteers keep the club going...if they dry up, so does the club! We are also always looking for new ideas on cover designs for the monthly magazine. If you have artistic ability, draw up your idea. It must fit within a 7 by 7 inch area and be done in black ink, or preferably India Ink. Pencil or colors just don't make it. Send your covers to me, John Trautschold, at P.O. Box 861, Menomonee Falls, WI 53051. You receive credit points toward full membership for your cover drawings, so do it today!



WORLD SERVICE STATION SKEDS

EMISSIONS

PROGRAMMI

TRASMISSIONI

BULLETIN DE PROGRAMMES

Editor:
CHRIS LOBDELL
P.O. Box 146
Stoneham, MA 02180

PROGRAMS

ENGLISH SERVICE

SERVIZIO

PROGRAMME SCHEDULE

Deadline: 12th

COMUNICATI NEL CORSO

Hello fellow SPEEDXERS! Since I last wrote to you in these pages we've had two more snowstorms. Our members in the DC to New York City area had more snow than we did, but I'm not complaining, hi!

Guess what, we're finally going to enter into a new broadcasting period on the first Sunday in March, the 6th. This iterim "M83" period runs from March 6th until May 1st, the first Sunday in May.

Unless otherwise stated, schedules are for English programs, times are in UTC. Schedules credited to the BBCMS are copywrited by the BBC's World Broadcast Information Division and are used by permission.

On to the skeds:

ARGENTINA. Radiodifusion Argentina al Exterior (RAE). Sked dated 1 July 82 received Jan. 25, 1983
0100-0130 6060, 6180, 9690, 11710 to the Americas.
0230-0300 6060, 6180, 9690, 11710 to the Americas
0430-0500 6060, 6180, 9690 to the Americas
1100-1130 11710 to the Far East
1930-2000 15345 to Europe, Africa and the Middle East
2230-2300 11710 to the Americas ("no name")

AUSTRIA. Osterreichischer Rundfunk (ORF) in Vienna. D82 sked valid until March 6th.

0130-0200 5945, 9770 ECNA
0330-0400 5945, 9770 N. America
0430-0500 5945 WCNA
17745 SEA, Austasia
0830-0900 6155 Europe
15410 Middle East
17740 Australasia
0900-0915 6155 Europe
(Sun only) 7170 "
9770 "
1030-1100 17870 Australasia
21490 "
1230-1300 6155 Europe
9770 "
9695 Far East
21615 N. America
1300-1330 9695 Far East
1500-1530 6155 Europe
11855 South Asia
12015 SW Europe
15295 Southeast As.
1805-1820 6155 Europe
(Sun only) 11955 East Africa
15560 South Africa

AUSTRIA: CONTINUED

1805-1820 11855 Middle East
(Sun only)
1830-1900 6155 Europe
11955 East Africa
15560 South Africa
11860 Middle East
(V. Carlson)

BRAZIL. Radio Nacional do Brasil, commonly known as Radiobras. Valid until March 31, 1983
0200-0300 15290, 17830 N. America
1800-1900 15390 Europe
(W. Muzyka.)

CHINA. Radio Peking. This North American schedule became effective on October 30, 1982.

0000-0100 11650, 15120, 15520 ECNA
0100-0200 " " " "
0200-0300 " " " "
0300-0400 11650, 15120, 15520 WCNA
0400-0500 " " " "
(T. Smith)

COSTA RICA. Radio Cultural (TGNA) "Telling The Good News Abroad" broadcasting from Guatemala City. English schedule.

0030-0430 3300, 5955, 9505 Mondays
0300-0430 " " " Tues to Saturday.
(N. Stephany)

ECUADOR. HCJB "Heralding Christ Jesus" Blessings. M83 English schedule effective March 6th at 0030 GMT.

0030-0130 15175 South America
0030-0130 15175 North America
0030-0500 15155 "
0030-0700 9745 "
0500-0700 6095 "
11910 "

ECUADOR: CONTINUED.

0700-0830* 9720 Europe
 11835 "
 0700-1030 9745 South Pacific
 0700-1100 6130 "
 11925 "
 1200-1430 11740 North America
 1200-1530 15115 N/S America
 1200-1530 17890 North America
 1900-2000 17790 Europe
 21480 "
 2130-2200 15295 "
 17790 "
 21480 "

* = on 11835 duration is from 0645-0830 on Saturday and Sunday (direct.)

EGYPT. Radio Cairo, this sked current as of January 27th. To North America.

0200-0330 9475, 12000 (BBC MS)

FRANCE. Radio France International in Paris. This sked valid until March 27th.

English, "Paris Calling Africa".
 1600-1700 6175 Europe
 15200, 15300, 15315,
 17620, 17795, 21525,
 21580, 21620 to Africa
 (BBC MS)

GERMANY (FEDERAL REPUBLIC): The Voice of Germany, Deutsche Welle in Cologne. D82 schedule to North America.

0100-0150 A6040, 6085, 6145, A9545, 9565, M9640, M11785, M11865.
 0500-0550 5960, 6185, A9545, 9690, A11705

A = Antigua/Montserrat
 M = Malta
 (D. Claytor, M. Moore.)

IRAN. Islamic Republic of Iran Broadcasting from Teheran. Undated sked received recently.

1930-2030 9022, 9765 Europe (J. Kana.)

JAPAN. Radio Japan (NHK) in Tokyo D82 schedule.

North American Service.
 0130-0230 15195, 17825, 21610, 21640
 2345-0045 15300, 17825 (J. Demmitt)

JORDAN. The Broadcasting Service of the Hashemite Kingdom of Jordan in Amman. Current as of January 6th, 1983

JORDAN: CONTINUED

1500-2205 9560 Europe.
 (BBC MS)

KOREA (NORTH): Radio Pyongyang. The latest sked available is dated September 15, 1982.

0600-0800 9360 Europe
 11660 "
 11985 "
 0800-1000 11830 Southeast Asia
 15245 "
 15340 "
 15375 "
 1100-1300 9745 Americas
 9977 "
 1300-1500 11880 Southeast Asia
 15340 "
 1500-1700 9625 Middle East/Africa
 9977 "
 11880 "
 1700-1900 9625 Middle East/Africa
 9977 "
 11880 "
 2000-2200 6576 Europe
 9360 "
 11660 "
 2300-0100 9745 Americas
 15230 "
 (W. Muzyka)

KOREA (SOUTH): Radio Korea in Seoul has complete English schedule, valid as of January 6th.

0000-0100 7275 General Service
 0200-0300 11810 "
 15575 Latin America
 0400-0500 9640 General Service
 0530-0630 11810 Europe/Americas
 11820 "
 15575 "
 1000-1100 9570 The Americas
 1130-1230 9870 ME, N. Afr, S. Asia
 15575 "
 1300-1330 6135 Korea
 1330-1430 9750 Southeast Asia
 1600-1700 7550 ME, N. Africa
 11830 "
 2130-2230 15375 General Service
 15575 "

MALAYSIA. The Voice Of Malaysia in Kuala Lumpur. Undated schedule received with QSL card.

0555-0825 6175, 9750, 15295 Asia (F. Valentine)

MALTA. Radio Mediterranean via the Deutsche Welle relay station in Malta.
 1800-1900 6110 Europe/North Africa (BBCMS)

PHILIPPINES. Radio Veritas Asia the Catholic station in Manila has this sked, current as of February 3, 1983.
 0000-0030 15195, 15280 SE Asia
 1430-1500 11955, 15215 India
 (BBC MS)

POLAND. Radio Polonia in Warsaw. Schedule valid until May 1983.
 1130-1200 9525, 11840, 17865
 to North America
 0200-0230 6095, 6135, 9525, 11815,
 15120 to North America
 0300-0330 same as 0200 GMT.
 Radio Polonia wants reception reports on the 1130 GMT transmission. Correct reports will receive a special QSL card depicting a girl with a dove. Sets of Polish stamps are also sent.
 (J. Blake, M. Flannagan, S. Forsman)

PORTUGAL. Adventist World Radio via Sines.
 0930-1000 9670
 (J. Fisher)

SWEDEN. Radio Sweden in Stockholm, M83 schedule.
 0230-0300 9695 North America
 11705 "
 17840 SSB
 1100-1130 9630 Europe
 21610 Australia/N.Z.
 1230-1300 15190 East Asia
 21690 Africa
 1400-1430 21615 North America
 21700 South Asia
 1600-1630 6065 Europe
 15435 South Asia
 1830-1900 6065 Europe
 15240 Africa
 2100-2130 11955 Middle East
 15240 Africa
 2300-2330 11705 North America
 15270 "
 (R. Zilmer)

SWITZERLAND. Red Cross Broadcasting Service in Geneva via transmitters of the SRI.

FREQUENCY: 7210 kHz

TARGET: Omnidirectional

TIME: 0600, 1130, 1700

DATES (ALL MONDAYS):

March 28, April 25, May 23, June 27,

July 25, August 29, Sept. 26,

Oct. 24, Nov. 21, Dec. 26th.

(J. Demmitt, M. Schulsinger.)

UKRAINIAN SSR: Radio Kiev, sked valid as of March 5th.

UKRAINE: CONTINUED.

0030-0059	9685	North America
	11790	"
	15100	"
	15240	"
	17870	"
0300-0329	9710	"
	11790	"
	15100	"
	15240	"
	17870	"
2000-2029	6020	Europe
	7260	"
	9580	"

(W. Muzyka, B. Palmer, T. Smith, A. Timofeev)

USA. WINB-Red Lion, PA. Undated sked.

1600-2000	17730	Europe (1)
2002-2245	15185	" (2)
2247-2345	15145	"
2347-0330	15145	S. America (3)

(1) = Some programs in Russian, Spanish and Arabic.

(2) = Sunday at 2200 in Latin

(3) = Spanish 0230 on Monday thru Friday.

(M. Flannagan Jr.)

YUGOSLAVIA. Radio Yugoslavia in Belgrade. The schedule was valid as of January 20th.

1530-1600	9620, 15240, 15415
1830-1900	6100, 9620, 11735
2000-2030	6100, 7240, 9620
2215-2230	6100, 7240, 9620

(BBC MS)

SOME IMPORTANT THINGS TO HELP YOUR SKED ED:

1. Write your name on each sked or else I can't give you credit here on these pages. If you have more than one sked on a sheet, please write your name next to each one. I do not have the time to compare typeface to identify each un-named slip.

2. Do not write on both sides of a sheet of paper.

3. Don't send outdated skeds. It is sometimes necessary to use them when new ones aren't available.

4. Contribute. Without you, there will be no SPEEDX.

Well, I guess it is time to clean up this mess I've in the living room.

73, *John*

UTILITY SCENE

EDITOR:

MIKE CHABAK
6171 E. Bellvue #19
Tucson, AZ 85712

AM RTTY USB ISB
LSB CW FAX A3H

DEADLINE:
12th Day of
the Month

COLUMN
COVERAGE
0-30 MHz
H.F.

The UTILITY SCENE is arranged as "two continuous side by side vertical columns: You read down this left hand column to the last page; return to the first page, then down the right hand column....."

Helle Gang: Per last months item, Universal Electronics will publish Michiel Schoaay's RTTY book, here in the USA. When I receive details, I'll pass them onto you.....

*** Gilfer Associates has just come out with "UPDATER". It is a follow on to its latest edition of the Confidential Frequency List book. 24 pages, same size & format as the CFL. As the name implies, it updates CFL data... This is a must item if you have the current CFL. Price - \$2.00 + .50 postage..... Address:

Gilfer Associates, Inc. P.O. Box 239, 52 Park Avenue,
Park Ridge, NJ 07656

*** A 4 to 1 ratio favored keeping the RTTY section, as a separate sub-section. Due to many comments, the RTTY section will be altered. Presented now, BY FREQUENCY, with other data rearrangements. Band vs. WPM.... Either bit or word rate can now be indicated by you contributors. (60-66-75-100 wpm or 45-50-57-74 baud)

*** DO NOT order any SRGU installations from me ↓ Speedx HQ handles ALL orders.....

*** Commercial Aeronautical: As of 01 Feb 83, the finalized frequency plan went into effect. You will note a number of new freqs this month.

Now onto the loggings.....

AK... 8828 U 0430 Anchorage Aero - VOLMET b/c (HCB-WA) ***

11176 U 2336 AKA-5 Elmendorf Aways wkg C-row 20 (CCR-CO)

BER.: 12709.2 C 1650 VFT - V & W Hamilton - V mkr (HJ-TX)

GAN.: 2054 S 0405 VAK - Victoria CGR, marine WX b/c (FJO-OH)

2598 U 0704 VAU - Yarmouth CGR. WX advisory (MI-ME)

2598 U 0314 VOO - Sydney CGR. Nav aids/ ice zone b/c (CC-DE)

2598 U 0415 VON - Grindstone CGR. WX advisory (ML-ME)

2514 U 0509 VOS - Halifax CGR - wkg n/v Yankee Clipper (ML-ME)

3485 U 0020 VFG - Gander Aero - VOLMET b/c (IK-UK)

4235 C 1139 VAI - Vancouver CGR - V mkr (SN-TX)

4235 C var. CPH - CANWIL Halifax - DE mkr (LWK-NY) (TML-AL)

YMSN MODES: A-am., C-continuous wave (CW)... F-facsimile... I-independent side band... L-lower side band... M-modulated CW... R-radioteletype... S-single side band... U-upper side band... 3-A3H...

5696.0 U var. CG 1503 wkg CG Portsmouth VA (GHS-IL) (RWP-TX)

5696 U 0517 CG 1496 wkg CG Portsmouth VA (JCH-MD)

5696 U 1543 CG 1504 p/p RCG New York via CG Portsmouth (ECW-WA)

5696 U 0450 CG 5790 wkg CGAS Corpus Christi TX (JCH-MD)

5696 U 0303 CG 2113 wkg CG Miami FL (BLA-PA)

5696 U var. CG 1485 & CG 5790 wkg CG New Orleans (WJS-ONT) (GAB-MN)

6540 U var. AIR MEXICO 450, CLIPPER 217, AMERICAN 665 wkg NY (HCB)

6577 U 0424 AMERICAN 674 wkg San Juan Aero (HCB-WA)

6738 U var. ARMY 66256 & CG 1351 wkg Hickam Aways (BLA-PA)

8855 U 0519 CLIPPER 454 clg Mazaua Aero (JCH-MD)

8910 U 0122 SCANDINAVIAN 980 wkg Reykjavik Aero (RWP-ME)

8938 U 0143 NORTHWEST 1 wkg Anchorage Aero (HCB-WA)

8945 U 0105 TRANS PORTUGAL 358 wkg Santa Maria Aero (JDM-MN)

8945 U var. BIAFRA 740 & AERO AIR 707 wkg San Juan Aero (JDM-MN)

8984 U var. CG 2113 & CG 1345 wkg CG Miami FL (JDM-MN)

8989 U 0104 MAC 70026 radio check with MacDill Aways (JDM-MN)

8990 U 0057 SAUDI 2 wkg Jeddah Ops (LDOC) BE/AA (RLL-GA)

9014 U 1430 MAC 50256 p/p Discard via Scott Aways (JDM-MN)

10048 U 2322 TIGER 72 wkg Anchorage Aero (HCB-WA)

11176 U var. MAC 50241 & NAVY 50500 clg Elmendorf Aways (HCB-WA)

11179 U 2000 MAC 40651 p/p Format via Loring Aways (GEB-MN)

11182 U 2010 MAC 38084 p/p via Scott Aways (GEB-MN)

11233 U 2324 CANWIL 6300 wkg CANWIL Trenton (RLL-GA)

11233 U 2325 CANWIL 6316 clg CANWIL Edmonton (HCB-WA)

11239 U var. MAC 404412 & MAC 59403 wkg McClellan Aways (JDM-MN)

11249 U 2005 MAC 70002 ALFA p/p Format via ?? (LWK-MY)

11387 U var. N333KN, EASTERN 989, CLIPPER 218, AMERICAN 830 & 625

wkg N.Y. Aero (JDM-MN) (GEB-MN) (ML-ME) (RLL-GA)

13201 U 2120 MAC 60141 p/p Etelson via Elmendorf Aways (HCB-WA)

13244 U 1619 MAC 50218 p/p Charleston CP via MacDill (JDM-MN)

13291 U var. TRANS PORTUGAL 302, OLYMPIC 419, DELTA 11 & 15 wkg

New York Aero (JDM-MN)

13294 U var. CLIPPER 801, JAPAN AIR 38, wkg Anchorage Aero (JDM-MN)

13297 U var. ARLING N212K, CLIPPER 218, CUBANA 481, DOMINICAN 905

wkg New York Aero (JDM-MN) (RLL-GA)

13300 U 2325 DYNASTY 001 radio check with Anchorage (HCB-WA)

CAN.: 4675 U 2059 VFF- Frobisher Bay Aero wkg A.F. 003 (IK-UK)
 4785 U 0340 RCMP Rankin Inlet wkg Yellowknife (DEM-ALB)
 5649 U 1941 VFC- Gander Aero wkg Speedbird 195 (IK-UK)
 5652 U var. VFC- Gander VOLMET (RMA-IA) (CH-WA) (NL-ME)
 6493 U 0900 VAI- Vancouver CGR V/CQ mkr (LWK-NY)
 7335 A var. CHU - SPTS Ottawa (ML-ME) (PMD-NY)
 8452.9 C 0438 VAI- Vancouver CGR. ? mkr (GHS-IL)
 8697 C var. GPH- CANMIL Halifax - ? mkr (GHS-IL) (LWK-NY)
 8868 U var. VFG- Gander VOLMET (WPM-NY) (ML-ME)
 8991 U 2119 VFF- Frobisher Bay Aero wkg New Zealand 1 (IK-UK)
 8910 U 0028 Cambridge Bay Aero wkg Japan Air 421 (JCH-MD)
 8910 U 0021 VFF- Frobisher Bay Aero wkg Air France 671 (JCH-MD)
 10051 U var. VFG- Gander VOLMET (ML-ME) (HCB-WA)
 11233 C 0123 CHR- CANMIL Trenton wkg CANMIL 3803 (CCP-CO)
 14670 A 0011 CHU - SPTS Ottawa (AR-CA)
 16948.5 C 1938 WSS- Halifax MARCO - V/CQ mkr (HGI-TX)
 18092.5 C 1703 QYS22- POL EMB Ottawa c/g SNN-247 Warsaw (AM-UK)
 22368 C var. VAI- Vancouver CGR. V/QSX mkr (JEB-CA) (TML-AL)
 6738 U 1155 XPH- Thule Aways wkg MAC 38089 (TT-MI)
 4225 C var. XFM- Manzanillo MARCO - CQ/QSX mkr (SN-TX) (TML-AL)
 4250 C 1044 XFL- Mazatlan MARCO - CQ mkr (RWA-IA)
 4285 C var. XFL- Vera Cruz MARCO - CQ mkr (RWA-IA) (JEB-CA)
 4292 C 0535 XFP- Chetumal MARCO - CQ mkr (SPH-GA)
 8568.3 C var. XFM- Manzanillo MARCO - CQ mkr (GHS-IL) (LWK-NY)
 8690 C 0001 XFS2- PEMEX Wadero MARCO - CQ mkr (SPH-CA)
 8690 C 2305 XFO3- PEMEX Sallina Cruz MARCO - V/CQ mkr (SPH-CA)
 12829.5 C 1700 XFM- Manzanillo MARCO - CQ mkr (HGI-TX)
 2182 U 0634 NWA-21 CG St. Petersburg - massing ship ann (ML)
 3348 C 0410 WAR- US ARMY MARS Wash DC - V mkr (HDT-NV)
 3485 U 0006 MSY70- New York Aero - VOLMET b/c (IK-UK)
 4310 C var. WNU41- Slidell LA MARCO - DE mkr (LWK-NY) (TML-AL)
 4342.6 C 0045 WSI- Amagansett NY MARCO - msg mkr (HDT-WV)
 4397.7 U 1206 WLO- Mobile AL MARCO wkg m/v Ellie M (CG-DE)
 5000 A var. WVV- SPTS Ft. Collins (KMK-VA) (PMD-NY) (JHD-PA)
 5216 C 0450 WAR- US Army MARS Wash DC - CQ mkr (JEB-CA)
 5598 U 0342 N.Y. Aero with new ireq ann (CC-DE)
 5692 U 1456 NOH- CGAS Chicago wkg CG 1459 (BCW-WA)
 5696 U 0500 NMG- CG New Orleans wkg CG 1357 (JCH-MD)
 5696 U 0048 NNN- CG Portsmouth wkg CG 1496 (CCP-CO)
 5696 U 0035 NWA- CG Miami wkg CG 1468 (JCH-MD)
 6375 C 0659 WCC- Chatham MARCO wkg Arabian Sea (EDK-MI)
 6506.4 U var. NNN- CG Portsmouth - WK b/c (TLP-OH) (ML-ME)
 6515.7 U 1301 WCM- Pittsburgh IWMAR wkg Elaine G. (RMA-IA)
 6604 U var. WNY- New York Aero - VOLMET (IK-UK) (GHS-IL)
 6679 U var. Oakland Aero - VOLMET (GHS-IL) (HCB-WA)
 6925 C 0510 KKN50- USDOS Wash DC - ? mkr (GHS-IL)

U var. SINGAPORE 242, FAA 777, CONTINENTAL 557, CUBANA 71
 c/g Honolulu Aero (HCB-WA)
 13304 U 2300 ZIMBABWE 124 c/g Kinshasa Aero (FOJ-OH)
 13306 U 1523 KLM 611 wkg Gander Aero (JDM-WN)
 13336 U var. AMERICAN 10, EVERGREEN 213, AIR EXPRESS 1 wkg
 Honolulu Aero (JDM-WN) (HCB-WA)
 13336 U var. EVERGREEN 215, AMERICAN 780, AIR WEST 562 wkg San
 Francisco Aero (HCB-WA)
 13356 U 1715 AIR INDIA 190 c/g Bombay LDOC (IK-UK)
 15015 U var. MAC 60168/MAC 60203 wkg Albrook Aways (HCB-WA) (JDM-WN)
 18019 U var. AIREVAC 622, MAC 60541 wkg MacDill/Albrook (JDM-WN)
 19108 U 1808 CLIPPER 2000C c/g San Juan LDOC (RUL-CA)
 21996 U 1652 8 4 SIBERRA wkg Houston LDOC (JDM-WN)
 23265 L 1603 NAVY 50496 wkg Andrews AFB MD (BLA-PA)
 ***** TACTICAL *****
 3205a L 1119 FOXTROT 4 XRAY wkg OSCAR 2 WHISKEY (RMA-IA)
 4731 U 0204 GIANT KILLER with test xmsn (RHM-NY)
 4731.5 U 0338 AIR FORCE ONE wkg Andrews AFB MD (TT-MI)
 6683 L 1415 EXECUTIVE 1 FOXTROT wkg Andrews AFB MD (RAL-OH)
 6687 L 2218 AIR FORCE TWO wkg Andrews AFB MD (TT-MI)
 6697 U 0953 7 ROMEO QUEBEC wkg 8 XRAY ALFA (GEB-WN)
 6715 U 2358 JOLLY 444, 80 & KING 61 wkg each other (CGP-CO)
 6727 U 0334 HUFF 23 p/p via Scott Aways (GHS-IL)
 6730 L 1613 SAM 31681 wkg Andrews AFB MD (RAL-OH)
 6738 U 0745 SAM ??972 p/p via McClellan Aways (EDK-MI)
 6756 U 2155 VENUS 82 wkg Andrews AFB MD (RAL-OH)
 6756 U 1618 AGX 24 wkg Andrews AFB MD (RAL-OH)
 6760 L var. SAM 24129, 31682 wkg Andrews (RAL-OH) (RHJ-RI)
 6795 U 1426 KILO 6 FOXTROT c/g 6 OSCAR PAPA (LJS-CO)
 6870 U 1449 MARGATE wkg PUMP SHED & DOOR JAMB (JDM-WN)
 7429.5 U 0155 war games in progress (KGB-KS)
 8683 U 2345 VICTOR 1 ZULU wkg 5 CHARLIE (LJS-CO)
 8972 U 1432 SIBERRA 4 JULIET GOLF wkg 4 JULIET TANGO (JDM-WN)
 8975 U 1349 STRIKER 959 & 950 wkg AF Sydney (RAAF) (JDM-WN)
 8989 U var. MUSTANG wkg McClellan Aways (TFS-NY) (FAV-CA)
 8989 U 2313 JULIET 07 BRAVO HOTEL wkg MacDill Aways (TFS-NY)
 8989 U 0122 SPAN CAN c/g 09 (RWP-TX)
 8989 U 0030 CACET 88 wkg MacDill Aways (LWK-NY)
 9014 U 2023 KILO 44 p/p via Scott Aways (GEB-WN)
 9014 U 0332 EDGY 22 wkg Loring Aways (RWP-TX)
 9018 U 1720 SAM 71361 wkg Andrews AFB MD (JDM-WN)
 9023 U 1357 SEMBLE wkg Andrews AFB MD (RAL-OH)
 9023 U 1543 PART TIME p/p ARIZONA PETE via MELONIC (RWP-TX)
 9041 U 1322 QUICK RIVER c/g DAISY CHAIN (IK-UK)

6997.0 L 2130 WAR- US Army MARS HQ wkg AAR2CP (TT-MI)
8090 C 0015 NAM- USN Norfolk VA - CQ mkr (LWK-NY)
8444.5 C var. KFS- San Francisco MARCO - ID mkr (LWK-NY) (GHS-IL)
8486 C var. WOB- Lantana MARCO - V/QSX mkr (TWL-AL) (LWK-NY)
8550 C var. WPA- Port Arthur MARCO - V mkr (HGT-TX) (LWK-NY)
8586 C 0700 WCC- Chatham MARCO - V mkr (LWK-NY)
8610 C var. WHH- Baltimore MARCO - V mkr (RW-WV)
8615.5 C 0030 WFD- Tampa MARCO - QSX mkr (HDT-WV)
8666 C 0845 KLG- Galveston MARCO - CQ mkr (LWK-NY)
8714.9 C 1915 WCC- Chatham MARCO - DE SHIP TLX mkr (RW-WV)
8984 U 0038 NMC- CG San Francisco wkg CG 1453 (JCH-MD)
8984 U 2259 NNA- CG Miami- p/p Miami Ops for CG 1414 (CGP-CO)
10000 A var. WV- SFTS Ft. Collins (MI-ME) (KWK-VA) (PMD-NY)
10050 U var. N.Y. VOLMET (IK-JK) (ML-ME) (HCB-WA)
10780 U 1838 Cape Radio (NASA/USAF) wkg MAC 59401 (GRW-OH)
11652 L 1652 WCC- Chatham MARCO - DE WCC SHIP TLX K mkr (PAT-)
11555 U 2041 701 (DOB) wkg ?? 261 (RP-IL)
12432.3 U 1958 KUZ523-QTH?? wkg m/v Ambassador (JCH-MD)
12432.3 U 2003 WQZ260 - QTH?? wkg m/v Marany Express (JCH-MD)
12952.9 C var. WHH- Baltimore MARCO - V mkr (RW-WV) (HGT-TX)
12997.5 C 1751 WSL- Amagansett MARCO - V/QSX mkr (PAT-GA)
13011 C 1807 WNU44- Slidell MARCO - CQ/QSX mkr (PAT-GA)
13033 C 0119 WCC- Chatham MARCO - t/c list (TWL-AL)
13083 C 1759 WCC- Chatham MARCO - DE WCC SHIP TLX K mkr (PAT-)
13094 C 1712 WSL- Amagansett MARCO - CQ/QSX mkr (RMA-IA)
13244 U 1947 AFB8- MacDill Aways wkg Lima November 10 (JCH-MD)
13270 U var. N.Y. Aero- VOLMET (PAG-NC) (HCB-WA) (KWK-VA)
13291 U 1036 KBA 5- New York Aero wkg MAC 44638 (IK-UK)
13297 U 1429 XBA 5- New York Aero wkg 14 Charlie Golf (CC-DE)
13760 U 1450 Andrews AFB MD wkg ?129 with p/p (LJS-CO)
15015 U 2015 AFG13- Scott Aways wkg Armc 22257 (JCH-MD)
15820 C 1852 WNN77- New York - QRA/MC mkr (PAT-GA)
16587.1 U 1910 KHU- San Diego MARCO c/g m/v Mercury R. (HCB-WA)
16871.3 C var. KJC- Galveston MARCO - CQ mkr (HGT-TX) (RW-WV)
17021 C 1637 WSL- Amagansett MARCO - QSX mkr (TWL-AL)
17213 C 1923 WCC- Chatham MARCO - DE WCC SHIP TLX K mkr (PAT)
17243 C 1606 WCC- Chatham MARCO - wkg m/v Napoli (TWL-AL)
22514 C 1710 NNN- CG Portsmouth - CQ mkr (HDT-WV)
22570 C 2050 WCC- Chatham MARCO - DE mkr (HDT-WV)

**** CENTRAL AMERICA ****
C 1100 TIM- Limon MARCO - CQ/QSX mkr (RMA-IA)
C 0115 TIM- Limon MARCO - CQ mkr (LWK-NY)
C 0930 HPN66- Puerto Armuelles MARCO- CQ mkr (RMA-IA)
C 0656 HPN66- Puerto Armuelles MARCO- DE/QSX (RMA-IA)
4291 COST: C 1100
8478.1 C 0115
4240 PANA: C 0930
6467 C 0656

10195.0 U 1902 JULIET Ø PAPA WHISKEY c/g JULIET Ø PAPA ROMBO (CCP-CO)
10427 U 2114 SPAR 60 wkg Scott Aways & Andrews AFB (RWP-TX)
10780 U 1312 FISHER wkg TRACK STAR (RAL-OH)
11118 U 1550 SAM 27000 wkg ?? (RH-RT)
11118 U var. SPAM CAN wkg ACCIDENT, AEROBATIC wkg SOPHOMORE,
HOMELY wkg RATHERED, WHITE ASH wkg ROBUST, MUD GUARD
wkg MICRONTA, BOBALINK wkg ALGEBRA, DOCTRINATE wkg
ARMATAGE & VACCINATE, MARTYR wkg WHITE ASH, EASEMENT
wkg MARTYR, DAVE 4Ø wkg COMPOUND (RAL-OH) (RWP-TX) (JDM)
11176 U 1852 MIKE HOTEL PAPA LIMA p/p SERIOUS via Albroom (RJJ-GA)
11176 U 0203 SPAM CAN wkg Elmendorf Aways (RWP-TX)
11179 U 2042 PAPA ALFA LIMA FOXTR0T JULIET p/p Loring Aways (LWK-NY)
11182 U 0040 KING 75 p/p CRADLE via Scott Aways (WDG-NY)
11182 U 2154 EDGY 10 p/p RAYMOND 24 via Scott Aways (TT-MI)
11182 U 2020 REBEL 35 wkg Scott Aways (LWK-NY)
11182 U 1257 DRAGNET MIKE wkg DRAGNET NOVEMBER (JDM-MN)
11215 L var. 981 LIMA wkg AWACS CONTROL (JDM-MN)
11226 U 1948 AIR FORCE TWO p/p via Andrews (RWP-ME) (RDS-NJ)
11239 U 1700 DELTA FIVE p/p via Albroom Aways (GEB-MN)
11246 U 1556 MUSTANG p/p BEAVER via McCellan Aways (JDM-MN)
11246 U 1543 IVORY 77 & 87 wkg MacDill Aways (JDM-MN)
11271 U var. AIR FORCE TWO wkg Andrews (GHS-IL)
11408 L 2023 QUAIL Ø4 wkg APPLESAUCE (GHS-IL)
13129 U 1807 SANTOS wkg CARTOON (RWP-TX)
13192 U 1908 DIGNITY wkg ULTIMATE & SLAP STICK (RWP-ME)
13215 1/U var. GULL 17 p/p via MacDill Aways (RDS-NJ)
13215 L 2046 AIR FORCE TWO wkg Andrews AFB (RWP-ME) (RDS-NJ)
13215 L 1937 SAM 31682 p/p via Andrews AFB MD (RDS-NY)
13215 L 0222 CARLINE wkg Andrews AFB MD (RLR-KS)
13215 U 1544 SPAM CAN wkg Elmendorf Aways (RWP-TX)
13241 U 1635 ALFA Ø1 wkg Andrews AFB MD (RAL-OH)
13241 U 1615 REBELLION wkg FORT 11 (JDM-MN)
13244 U 2041 TEAL 23 p/p Miami Monitor via MacDill (JDM-MN)
13244 U 2306 JOYCE 5Ø wkg MacDill Aways (BCW-VA)
13247 U 1540 SAM 24197 p/p Homestead Ops via Andrews (BLA-PA)
13247 U 2140 SPUR 76 wkg Andrews AFB MD (RAL-OH)
13247 U 1551 S0UJY 2615 wkg Andrews AFB MD (JDM-MN)
13251 U 1508 ALGEBRA wkg Andrews AFB MD (RAL-OH)
13251 U 0318 SIERRA BRAVO 962 r/c HEARTBREAK (JDM-MN)
13950 L 2010 MIKE PAPA 836 c/g PALM SPRINGS (GHS-IL)
14686 U 0128 AHP 1 p/p Howard Metro via AHP-4 Albroom (RJJ-GA)
15015 U 2037 SWORDFISH 2 p/p FLAG POST via ATLAS (RLR-KS)
15015 U 1622 HOG Ø1 p/p RAYMOND Ø1 via Scott Aways (GHS-IL)
15015 U 1622 KING 65 wkg Scott Aways (JDM-MN)

PANA: 6577 U 0337 Panama Aero wkg a/c WPPA3 (HCB-WA)
6683 U 0255 AHP2- Albrook Aways with Capsule ann. (RIR-KS)
8608 C var. HFN6- Puerto Armuelles MARCO - CQ mkr (GLT-NM) (LWK-NY) (FJO-OH)
15015 U 2016 AHF2- Albrook Aways wkg Joyce 99 (JCH-MD)
22413 C 2231 HFN6- Puerto Armuelles MARCO - CQ mkr (TWL-AL)
**** CARIBBEAN ****
BARB: 6379.5 C 0713 8F0- Bridgetown MARCO - DE mkr (LWK-NY)
CUBA: 5260 C 0031 CMU967-RR NAVRAD Santiago de Cuba wkg RMGC & RMTP (WDC-NY)
8573 C 0122 CLA-21 - Havana MARCO - CQ mkr (TWL-AL)
8891 U ---- Havana Aero wkg Cubana 4904 (IK-UK)
8927 U 0432 Cubana Dispatch (LDOC) wkg Addis Ababa (JCH-MD)
12839 C 1717 CLA- Havana MARCO - V/CQ mkr (HGI-YX)
13063 C 0140 CLA 21- Havana MARCO - CQ/QSX/MC mkr (JEB-CA)
13248 C 2041 COL- Havana Aero wkg 86512 & RPNV (GHS-IL)
17189 C 2242 CLQ- Havana MARCO - CQ mkr (TWL-AL)
22396 C 2055 CLA-50 - Havana MARCO - CQ mkr (HDT-WV)
JAM.: 8465.2 C 1330 6Y1- Kingstown MARCO - V mkr (GLT-NM)
8478.5 C var. FUF- FF NAVRAD Ft. de France - V mkr (GHS-IL) (PAG-NC)
8674.6 C 0019 FPE3- Ft. de France MARCO- CQ mkr (MAM-VA)
13031 C 0234 FUF- FF NAVRAD Ft. de France - V mkr (TWL-AL)
16961.5 C 2022 FUF- FF NAVRAD Ft. de France - V mkr (HGT-TX)
22390.4 C 1700 FUF- FF NAVRAD Ft. de France - V mkr (HDT-WV)
NETA: 6492 C 0155 PUJ- Curacao MARCO - CQ mkr (JEB-CA)
8694 C 0200 PUJ- Curacao MARCO - CQ/QSX mkr (LWK-NY)
5550 U 2250 San Juan Aero wkg Air Canada 965 (IK-UK)
6577 U 2230 San Juan Aero wkg Marine 1001 (IK-UK)
8471 C 0130 NMR- OG San Juan - CQ mkr (LWK-NY)
12700 C 2316 NMR- OG San Juan - CQ mkr (RMA-IA)
**** SOUTH AMERICA ****
ARGN: 6512.6 S 0850 LFL30- G.P.R. Buenos Aires - VM (LWK-NY)
8646 C var. LPD86- G.P.R. V mkr (LWK-NY) (GHS-IL)
10680 A 2300 Radio Rivadavia Feeder- SS/NX (TR-NB)
13164.1 U 0422 LPL- G.P.R. - SS/OM/VM (PAG-NC)
17233 C 2222 LPL- G.P.R. - SS/YL/VM (HCB-WA)
BRZL: 4250 C 0850 PRJ- Juncaco MARCO - DE mkr (SPH-CA)
8502 C 0429 PFL- Belem MARCO - ? mkr (GHS-IL)
8820 C 0426 PPO- Linda MARCO - ? mkr (GHS-IL)
8855 U var. Bellem Aero wkg Clipper 8110 & 440 (IK-UK) (JCH-MD)
16918 C 0155 PRJ- Juncaco MARCO - V mkr (GLT-NM)
22352.5 C 2059 PPR- Rio de Janeiro MARCO - CQ mkr (HDT-WV)
4380.5 C 0823 CGS- Santiago NAVRAD - DE mkr (LWK-NY)
8559 C 0628 CGV6- Valparaiso NAVRAD- V mkr (JEB-CA)

U var. AIR FORCE ONE wkg Andrews (RAL-OH) (TT-MI)
18027 U 1827 TROUT 99 wkg Andrews AFB MD (RAL-OH)
18666 U 1714 FLINT 57 wkg ATLAS (RJI-GA)
18666 U 1820 SHARK 368 radio checking ATLAS (RJI-GA)
18666 U 1500 SACRIFICIAL LAMB wkg ATLAS (JDM-MN)
18666 U 1457 ATLAS wkg MARLIN 395 (JDM-MN)
20053 U 1438 AIR FORCE TWO r/cing Andrews AFB (RWP-TX)
21996 U 1817 ASCOT 5917 (RAF) wkg Houston LDOC (RJI-GA)
**** NUMBERS/BEACONS ****
3262.1 A 0407-0410 G/Y 5d (TLP-OH)
3435 A 0115----- S/Y 7d (444) 25 Jan 83
4669 A 0947-0350 S/Y 4d ended in mid xmsn(222)18Jan83 (PAG-NC)
4770 A 0403-0413 G/O 5d "996" 1-0C (333) 18Jan83 (PAG-NC)
5135 A 1420-1423 S/Y 5d ATT 232-66 (152) 22Jan83 (TLP-OH)
5620 A 0407-0410 E/O 5dd (444) 18Jan83 (TT-MI)
5812 A 0200----- S/Y 4d "936x3" 1-0C (454) 29Jan83 (RJI-RI)
6225 A 0600-0608 S/Y 5d (232) 01Feb83 (RJI-RI)
6226 A 0805-0807 S/Y 5d Finalx2 (433) 21Jan83 (RMA-IA)
6770 A 0523----- E/Y phonetic ltrs (333) 29Nov82 (ML-ME)
6505 A 0627-0630 G/Y 5d msg repeated (312) 30Jan83 (RJI-RI)
6506 A 0505----- G/Y 5d (242) 23Jan83 (GRM-OH)
6735 A 0736-0742 S/O 5d live xmsn! (433) 07Jan83 (TT-MI)
6770 A 0655-0708 S/Y 5d ATT 648-25 (S-9440) 27Dec82 (TT-MI)
6853 U 2345----- G/Y 5dd (454) 01Feb83 (RJI-RI)
6890 ? 0500-0505 S/Y 5d (232) 01Feb83 (RJI-RI)
7375 A 0508-0510 E/Y none "888x3" 1-0C only (444) 08Jan83 (TLP-OH)
7445 A 0315-0325 E/Y none "K.P.A.2" repeats (32) 12Dec82 (RJI-RI)
7845 A 0625-0640 S/Y 5d ATT 832-30 (555) 17Jan83 (TT-MI)
8873 A 0710-0711 S/Y 5d Finalx2 (354) 25Jan83 (RJI-RI)
8874 U 2100-0712 S/Y 5d (545) 01Feb83 (JEB-CA)
9040 A 2100-2108 G/Y none "A.B." x5/flute IS (343) 11Jan83 (TT-MI)
9270 A 0213-0214 S/Y 4d Ende (444) 26Jan83 (RJI-RI)
11415 A 0331-0336 S/Y 5d ATT 463-60 (343) 29Jan83 (PAG-NC)
11532 A 1820-1830 S/Y 4d (544) 24Dec82 (RJI-RI)
12950 A 0047-0053 ?/L 5 ltr (232) 04Feb83 (PAG-NC)
** The following are the 2 Element CW Beacons. Just freq & 2 element IDs are shown. Most xmit twice every 30 seconds. Bulk was from (PHD-NY). Remainder from (JEB-CA)..... (5049-GP) (6990-SQ) (9200-QB) (9355-PQ) (9615-PQ) (9725-UN/FI) (11600-WV) (11675-2Q) (11725-1G) (11875-0Q) (TV/UT) (11885-FB) (11915-SD) (11935-PD) (12000-IT) (12902-PQ) (13333-TH) (14312-P/ET) (15010-00) (15108-BK/SC/SS) (15112-ZZ/2Q) (15115-AK) (15116-LJ) (15120-AA) (15130-ZH/RY/NY/FL) (15140-NB) (15145-MF) (15250-PP) (15400-PP) (15460-TT/PT) (15588-FB/RF/B?) (16544-LM) (17665-44/SB) (17700-BL) (17705-BT) (17723-UR) (17735-1Z)

(17740-LS/2F) (17742-ST) (17745-ZL) (17750-MQ/US/MW) (17760-SF)
 (17770-RH) (17780-GI) (17855-AS) (17865-6B) (17875-BB) (17895-S7)
 (18001-2Z) (20020-1Z) (20100-PD) (21500-ZZ) (21698-GZ) (21988-UB)
 (20100-BB) (23150-BC) (23195-22) ... Most unusual, 17892 kHz, AM mode,
 2M repeating 'QJ' Zx/30.....

**** UNIDENTIFIED ****
 194.1 A 0910 Radio QSL (Pirate), relayed WHAM (PMD-NY)
 2717 A 0610 HOTEL 1 WHISKEY clg unit station (ML-ME)
 2762 U 0240 Nav. warnings OM Irish accent (RH-NY)
 4100a C 1142 "FOXTR0T 4" x4 "enin dee enin/3" (SN-TX)
 5030 I 1404 DCX-366 wkg CBR-351 - religious talk (LJS-CO)
 6475 C 2323 YQBF with a v mkr (RF-NO)
 7060 C 1200 VVW DR SCJ SGJ (SN-TX)
 8819 U 2341 K1ZXCL BASE wkg K1ZXCL MOBILE (LJS-CO)
 8985 U 2353 EE/SS/OMs - fishing fleet types (RUL-GA)
 9029 U 0612 J32V-EE/YL htr eps ended: BR200 J3300 this is
 J32Y out..... (Asian accent) (TFS-NY)
 9997 C 1217 WMD WMD DE GOJ GOJ (SN-TX)
 11606 C 0335 repeats of UTA4 DED4 UE6N (JEB-CA)

**** RADIO TELETYPE ****
 2949.6 0045 66/170n 5AF-Tripoli Air LYBA - RYs (AM-UK)
 3296.6 2100 66/425r FDY-FFAF Paris - Essai de FDX mkr (AM-UK)
 3762.5 0025 66/850n JYN39-Amman JORD Metro - WX b/c (AM-UK)
 3780 0035 66/425r BZ075-Urungi PRO Metro - RYs (AM-UK)
 3872.4 ---- 66/170r R1FAU-IT Police Parma clg RIFA (RMA-FRAN)
 4763.2 0045 66/850r NKW-USN DTEG-WX to Mauritius (AM-UK)
 4890.7 1620 66/170r R1FESI-IT Army Bologna-tfc to Rome (AM-UK)
 5034.8 1910 66/425n IRG20-ANSA Rome ITLY - PF/NX (RWA-FRAN)
 5066.2 0850 66/850r ZVK-TASA Rio de Janeiro BRZL-RYs (RMA-IA)
 5159.8 1709 66/450n IER20-IFG Rome ITLY clg IER50 (AM-UK)
 5240 1900 66/850r 4002-THANJUG Belgrade YUGO - EE/NX (RMA-FRAN)
 5382 1555 66/170n R1FABE-Caxabineiri Casale ITLY-tfc (AW-UK)
 5643.5 2239 66/850n 5AF-Tripoli Air LYBA - RYs (IK-UK)
 5740.2 0015 66/425n HZM46-Jeddah SAUD Metro - WX (RMA-FRAN)
 5844.3 0015 66/425n BLM21-Cheongda PHC Metro - RYs (AM-UK)
 5848.4 0015 66/425n THU55-ASECNA Abidjan IVRY-RYs (AK-UK) (JEB-CA)
 5944.7 0015 66/425n XBRE-Acapulco NAVRAD MEX - RYs (KCB-KS)
 6303 0310 66/850n WCU-Cheatham VA MARGO - tfc list (EFP-MD)
 6504.7 1645 FEC XTO-ASECNA Ouagadougou UPVO-RYs (EDK-MI)
 6567 0700 66/425r EFD3-Addis Ababa Air ETHO - RYs (KCB-KS)
 6738 0254 66/425r XTU-ASECNA Ouagadougou UPVO-RYs (KCB-KS)
 6775 0123 66/425n GHJ-Jamestown Metro STHL - RYs (BLA-PA)
 6824 0225 66/425n SOG24/28-PAP Warsaw POL-PF/NX (RMA-FRAN)
 6848 1900 66/425r RFPN-Lisbon NAVRAD PORT-RY/FOX (RMA-IA)
 6860 0910 66/850r

8771.5 C var. COS-Santiago NAVRAD - V mkr (JEB-CA) (LWK-NY)
 4326 C 0425 HKC-Buenaventura MARCO - DE/QSX mkr (JEB-CA)
 8573 C var. HKC3-Buenaventura MARCO-DE mkr (JEB-CA) (LWK-NY)
 13087.5 C 0100 HKB-Barranquilla MARCO - CQ mkr (HDT-WV)
 15738 C 2206 HKJ35W-INTERPOL Bogota clg WVA (KCB-KS)
 24145 U 1730 VPC-24 - C&W Port Stanley - p/p t/c (JDM-MW)
 11215 U 2340 Lima Aero (LD0C?) wkg Eastern 957 (CGP-GO)
 2182 S 0219 PZN-Paramaribo MARCO clg OKBW (FJO-OH)
 6354 C var. PZN2-Paramaribo MARCO - CQ/QSX mkr (JEB-CA) (SPH)
 8625.5 C 1000 PZN3-Paramaribo MARCO - CQ/QSX mkr (RMA-IA)
 12750 C var. CWA-Cerrito MARCO - CQ/QSX mkr (RMA-IA) (EDK-MI)
 16871.3 C 0200 CWA-Cerrito MARCO - CQ mkr (GLT-NW)
 6100 A var. YVTO-SFTS Caracas (JEB-MN) (AR-CA) (TLP-OH) (ML-ME)

**** EUROPE ****
 8825 U 0437 Santa Maria Aero wkg Cubana 1491 (HCB-WA)
 13291 U 1636 Santa Maria Aero wkg MAC 40638 (IK-UK)
 13291 U 1819 Santa Maria Aero wkg Air Portugal 301 (?M-NY)
 42940 C 0056 LZW-Varna MARCO - DE mkr (PAG-NC)
 4310 C 0252 MTI-Plymouth NAVRAD - V/QSX mkr (RMA-IA)
 4722 U 0325 WUW-West Drayton VOLMET - (CG-DE)
 8921 U 2203 Speedbird London (LD0C) wkg Caledonian 315 (IK-UK)
 10072 U 2200 Speedbird London (LD0C) wkg Caledonian 315 (IK-UK)
 12783 C 1723 GKK-Portlashed MARCO - DE mkr (PAT-CA)
 13333 U 2202 Speedbird London (LD0C) wkg Caledonian 315 (IK-UK)
 22561.8 C 1715 GEB-Portlashed MARCO - DE mkr (HDT-WV)
 4329 C 0420 FFL2-St. Ivs MARCO - CQ mkr (JEB-CA)
 6348 C 0725 HNN-Paris NAVRAD - V mkr (LWK-NY)
 6792 C 1703 FSB62-INTERPOL Paris clg 5BP6 Nicotia (AM-UK)
 8522.5 C 0037 FFL4-St. Ivs MARCO - CQ mkr (HDT-WV)
 8550 C 0735 FFL4-St. Ivs MARCO - CQ/QSX mkr (JEB-CA)
 8808.8 U 0210 FFL41-St. Ivs MARCO - PF/OM/VW (PAG-NC)
 22509 C 1705 FFL9-St. Ivs MARCO - CQ mkr (HDT-WV)
 8984 U 1618 Interflug Berlin (LD0C) wkg Interflug 607 (IK-UK)
 5690 U 0315 DHM95-CANNIL Iahr - Aero WX b/c (JDM-MW)
 8512 C var. DAL-Norddeich MARCO - V mkr (HDT-WV) (LWK-NY)
 11039 C 1015 DK9-K Finneberg - CQ/MC mkr & WX (RWA-IA)
 4623 C 0103 NGR-USN New Makri - V mkr (HDT-WV)

8952 U 0125 PBW-Amsterdam Aero wkg Papa Tango Lima (JCH-MD)
 8891 U 2115 Reykjavik Aero wkg New Zealand 1 (IK-UK)
 8910 U 1006 Reykjavik Aero wkg Scandinavian 987 (JOH-MD)
 13291 U 13015 Reykjavik Aero wkg Air Force 170 (OC-DE)
 2182 A 2235 EJK-Valentia MARCO - ann Nav b/c on 2789 (PAC-UK)
 3413 U 0194 EIP-Shannon VOLMET - (IK-UK)
 5598 U 2047 Shanwick Aero wkg Speedbird 1188 (IK-UK)
 5640 U 0207 EIP-Shannon VOLMET (CG-DE)

ELIRE: 5673 U 0446 Shanwick Aero wkg Cander Aero (JCH-MD)
 NOR: 2182 A 2029 LCN- Bergen MARCO - wkg m/v c Clipper (PAC-UK)
 12684 C 1745 LFC- Rogaland MARCO - CQ/48X/MC mkr (JEB-CA)
 12961.5 C 0034 LFI- Rogaland MARCO - CQ mkr (PAG-NC)
 PORT: 2182 A 1816 CUL- Lisbon MARCO - wkg P3PV (PAC-UK)
 13421 C 1705 CUA69- Lisbon MARCO - v mkr (JEB-CA)
 SCOT: 2182 A 2304 Hebrides & Lewis MARCO - no tfc ann. (PAC-UK)
 SPAN: 8682 C 0402 EDZ5- Aranjuez MARCO - c mkr (GHS-IL)
 12974 C 0126 EAD5- Aranjuez MARCO - CQ mkr (PAG-NC)
 SWED: 2182 A 2034 SAA- Karlskrona MARCO - ann check 2789 kHz (PAC-UK)
 TURK: 6395 C 0130 TBA- Izmir NAVRAD - v mkr (GLT-NM)
 USSR: 2861 U 2343 Yenisey Aero - RR VOLMET b/c (IK-UK)
 5422 C 1547 UHF3- Yevsk Staro MARCO- F1 morse tfc (IK-UK)
 6730 A 0333 Tbilisi VOLMET (RR/OM) TILP-OH)
 8891 U 1928 Baku Aero - RR VOLMET (IK-UK)
 10090 U 0443 Novosibirsk Aero - EE VOLMET (JCH-MD)
 11279 U 1315-Moscow, 1320-Kiev, 1332-Riga, 1336-Leningrad,
 1342-Rostov - all RR VOLMET b/c (IK-UK)
 11319 U 1455 Salekhard Aero - RR VOLMET b/c (JDM-NM)

**** AFRICA/MIDDLE EAST ****
 ANGO: 8566.3 C 0145 D3E51/61- Luanda MARCO - CQ mkr (GLT-NM)
 12781 C 0215 D3E51/61- Luanda MARCO - CQ mkr (GLT-NM)
 ASCN: 15015 U 2009 APD14- Ascension Aways wkg MAC 40631 (JCH-MD)
 BRAN: 5658 U 2003 Bahrain Aero wkg Karachi Aero (IK-UK)
 8448 C 0516 A9M- Bahrain(Manama) MARCO - DE mkr (FJO-OH)
 8847 U 2228 Bahrain Aero wkg MAC 90019 (IK-UK)
 8918 U 0019 Bahrain Aero wkg Speedbird 20 (IK-UK)
 GNEY: 8625 U 1943 Canarias Aero wkg Ascot 4102 (IK-UK)
 CAPP: 11021.3 S 0524 TLZ2- Bangui PTP - EE/FP/VI/VM (FJO-OH)
 CONG: 6617 U 0222 Brazzaville Aero - FF VOLMET b/c (RUL-GA)
 8903 U 1936 Brazzaville Aero wkg Saudi 2182 (IK-UK)
 EGYPT: 11300 U 0030 Cairo Aero wkg Khartoum Aero (JCH-MD)
 ETHO: 11300 U 0049 Addis Ababa Aero wkg Nairobi Aero (JCH-MD)
 ISRL: 6279 C 0410 IAZ2- Haifa NAVRAD - v mkr (FJO-OH)
 8694 C var 4XO- Haifa MARCO - CQ/48X mkr (HJC-WA) (PAG-NC)
 KEN: 13051.5 C 2140 4XO- Haifa MARCO - CQ mkr (LWK-NY)
 LIBA: 8518 C 0241 Nairobi Aero wkg Khartoum Aero (JCH-MD)
 MAUR: 11300 U 0059 Tripoli Aero wkg Khartoum Aero (JCH-MD)
 NIGE: 8826 U 0041 3BM3- Mauritius (Bigara) MARCO - CQ mkr (RP-MO)
 6351.5 C 0126 Niamey Aero wkg Nigerian 832 (JCH-MD)
 8894 U 0151 Niamey Aero wkg Caledonian 366 (IK-UK)
 SAUD: 8927 U 0509 Jeddah LDCC wkg Addis Ababa LDCC (JCH-MD)
 SENE: 6382.5 C 2211 6VA- Dakar MARCO - v mkr (RP-MO)
 6386 C 0643 6VA4- Dakar MARCO - CQ mkr (RMA-IA)

6870 0518 RTV55- TASS Moscow USSR - EE/WX (FJO-OH)
 66/425 LNB- Buenos Aires AEGN Air - RYs (BLA-PA)
 66/850r IUU- Police Rome ITLY- tfc Police Forl1 (AM-UK)
 66/170r YOC59- AGERPRES Bucharest ROMA- QRA mkr (PAC-UK)
 66/425 GIC26- AP London ENG - stock rpts (PAC-UK)
 66/425 EBK- SS NAVRAD Las Palmas CNRY- FOX/RYS (EDK-MI)
 66/850r XBRA - RAF NAVRAD QTH? - RYs (RGB-KS)
 66/850r MKD- RAF Akrotiri CYPR- FOX/RYS (BLA-PA)
 66/425n VXT56- PTP Hanoi VIET - test to Bangkok (AM-UK)
 66/425n RST76- Minsk Metro USSR - RYs into WX (BLA-PA)
 66/425n YZD- TANJUG Belgrade YUGO - EE/WX (RMA-FRAN)
 66/425n BAY51- Peking PRC Air - RYs (RMA-FRAN)
 60/850r AIR- US Army MARS Wash DC- clg AFA350 (RMA-FRAN)
 66/425 IRNA Tehran IRAN - EE/WX (PAC-UK)
 66/425r SOB349- Warsaw POL Metro - WX (RMA-FRAN)
 66/170r XZM- Raengoon BURM Air - RYs (AM-UK)
 66/425n XVF3- PTP Hanoi VIET- test to Paris (RMA-FRAN)
 66/850r EIP- Shannon Air EIRE wkg Santa Maria (IK-UK)
 66/425n HXP- St. Denis REUN Metro - WX (AM-UK)
 66/170n EYHD- m/v RETAVAS CQ/RYS (RMA-IA)
 66/170n EYHM- m/v BERKOUT clg URB2 (RMA-IA)
 100/850r EBA- Madrid NAVRAD SPAN- RY/MC mkr (JEB-CA)
 FEC MLO- Mobile AL MARCO - EE/WX (ERP-MD)
 66/425n ANSA Rome ITLY - EE/WX (RMA-FRAN)
 66/425n GHH- Jamestown STHL Metro - RYs (BLA-PA)
 66/425n Y7A36- MFA Berlin GDR- ttc to Rome EMB (RMA-FRAN)
 66/850r SPK Phnom Penh KAMP - FF/WX (AM-UK)
 66/425n TUH- ASEANA Abidjan IVRY- RYs (EDK-MI) (JEB-CA)
 100/850r CPH- CANNIL Halifax CAN- w/b/c (JEB-CA)
 ZRH- Cape NAVRAD SOAF - clg NAU (Jeb-CA)
 ----- PAC27- Katwijk NAVRAD HOLL - clg IBA (JK-FRC)
 RGE34- TASS Moscow USSR - SS/WX (RMA-FRAN)
 66/425r HSW62- Bangkok Thai Metro - WX (AM-UK)
 66/425n Y3A5- PTP Berlin GDR - RYs (RMA-FRAN)
 66/425n PTK56H1- AFP Paris FRAN- AA/WX (RMA-FRAN)
 66/425r TASS Moscow USSR - FF/WX (RMA-FRAN)
 66/850r 9DM17- Tehran IRAN Metro - RYs (RMA-FRAN)
 66/425n DJH85- Grenfell FRG Metro - RYs (RMA-FRAN)
 66/850r 3MA28- CNA Taipei TWN - RYs (JEB-CA)
 66/700r AHB- Lahore PAKI Air wkg Karachi (IK-UK)
 66/1700 ZFN- Asuncion PARA Air wkg Buenos Aires (IK-UK)
 66/170r DJJ26- ANGOP Luanda ANGO- FF/WX (RMA-FRAN)
 100/170r NGD- McMurdo ANTA - RYs test tape (JEB-CA)
 11027 1850 9RL- Zaire Center - RYs (PAC-UK)
 11030 1800 AMX34- Canberra NAVRAD AUST- WX (RMA-FRAN)

SENE:	8661.0 U var.	Dakar Aero wkg Ascot 2813/Varig 732 (IK-UK) (JCH-MD)
	8992.9 C 0 050	6W-N-Dakar NAVRAD - V mkr (LWK-NY)
	13410 C var.	6W-N-Dakar NAVRAD - V mkr (TML-AL) (HDT-WV) (MAM-VA)
	16952.8 C 1951	6W-N-Dakar NAVRAD - V mkr (HGT-RYX)
SOAF:	12698 C 2130	ZSC-Capetown MARCO - CQ mkr (HDT-WX)
	12947.3 C var.	ZBH-Cape NAVRAD Fisanteekrad-DE/QSX mkr (JEB)
	13074 C 0 135	ZSD-Durban MARCO - ID mkr (JEB-GA)
SUDI:	11300 U 0057	Khartoum Aero wkg Scandinavian 961 (JCH-MD)
ZAMB:	11306 U 0420	Lusaka Aero wkg Dar es Salaam Aero (JCH-MD)
		**** ASIA/FAR EAST ****
BURM:	6556 U 0057	Rangoon Aero wkg Calcutta Aero (IK-UK)
PRC.:	8515 C 2346	QXG-Guangzhou MARCO - CQ mkr (SPH-GA)
	10000 C 0729	BPM-SPTS Xian CW ID (SN-TX)
	15000 C 1230	BPM-SPTS Xian CW ID (ML-ME)
	17103.2 C 0140	XSG3-Shanghai MARCO - CQ mkr (GLT-NW)
HONG:	8828 U 1915	Hong Kong VOLMET (IK-UK)
	8903 U 2100	Hong Kong VOLMET (PMD-NY)
	13344 U 1547	Hong Kong VOLMET (GHS-IL)
	17096 U 0145	VPS80-Cape d'Agullar MARCO - CQ mkr (GLT-NW)
	5658 U 1943	Bombay Aero wkg Lufthansa 647 (IK-UK)
INDI:	6556 U 0055	Calcutta Aero wkg Navy Golf Tango 950 (IK-UK)
	8590 C 1329	VTK3-Tuticocin NAVRAD - V mkr (RF-MO)
	10018 U 0738	Delhi Aero r/c with Bombay Aero (JK-FRG)
	19498 U 0119	TJKT-Choshi MARCO - CQ/QSX mkr (AM-UK)
	4679 U 1110	Tokyo Aero - VOLMET b/c (HCB-WA)
	8000 A 0930	JLY-SPTS Tokyo (PMD-NY)
	8437 C 1449	JOS-Nagasaki MARCO - CQ mkr (FJO-OH)
	8523.4 C 0740	JOR-Nagasaki MARCO - CQ mkr (LWK-NY)
JPAN	10000 A 0709	JYA-SPTS Tokyo (SN-TX)
	12789 C 0235	JYA-Matsudo MARCO - CQ mkr (JEB-GA)
	12948 C 0235	JJF-Tokyo NAVRAD - CQ mkr (JEB-GA)
	13344 U 1748	Tokyo Aero - VOLMET b/c (ML-ME)
	17166.4 C 0135	JOT-Choshi MARCO - CQ mkr (GLT-NW)
	22395 C 0018	JOS-Nagasaki MARCO - CQ/QSX mkr (JEB-GA)
ROK.:	13005.5 C 0210	HLW-Seoul MARCO - CQ mkr (GLT-NW)
	13025 C var.	HLX-Seoul MARCO - CQ mkr (GLT-NW)
	16990 C 0150	HLO-Seoul MARCO - CQ mkr (GLT-NW)
MLAY:	17172.4 C 0130	9NG2-Penang MARCO - CQ mkr (GLT-NW)
OKIN:	6469 C 1056	JGX-Naha MARCO - CQ mkr (SPH-GA)
PAKI:	5638 C 0010	Karachi Aero wkg Singapore 22 (IK-UK)
SING:	22429 C 0010	9WG59-Singapore MARCO - CQ mkr (JEB-GA)
	22480 C 0022	9VC27-Singapore MARCO - CQ/QSX mkr (JEB-GA)
SIAM:	6556 U 0053	Colombo Aero wkg a/c 904 (IK-UK)
THAI:	6501 C 0030	HSZ-Bangkok NAVRAD - CQ mkr (AM-UK)
	66/425n	HMS53-KONA Pyongyang NOKO-SS/NX (JEB-GA)
	66/850n	08C-Callao NAVRAD PERU - t/c U6A (JEB-GA)
	66/425n	70C-Khormaksar YDR Air - RYs (RMA-FRAN)
	66/170r	VHV-FTP Vatican City - clg CUA68 (AM-UK)
	12208 1850	PZF-Zanderij SURI Air - RYs (RMA-FRAN)
	100/425n	VOA-Tangier NROC - FF/NX (JEB-GA)
	66/425n	5YE-Nairobi KEN Metro - WX (RMA-FRAN)
	13081.4 1645	WOC-Chatham MA MARCO - t/c list (ERP-MD)
	13083.4 1730	FBC-MOC-Mobile AL MARCO - t/c list (ERP-MD)
	13089.8 1648	FEQTOR-MOC-Chatham MA MARCO - t/c list (ERP-MD)
	13362 0014	ZRH-Cape NAVRAD SOAF - wkg NAU (EDK-KS)
	66/425n	5YD-Nairobi KEN Air - RYs (KGB-KS)
	13487 1810	ISX35-ANSA Rome ITLY - FF/NX (JEB-GA)
	13515 0120	LRN22-SAPORITI Buenos Aires ARGN-SS/NX (JEB)
	13609.7 1398	3YF40-TAP Tunis TUNI - EE/NX (RMA-FRAN)
	13777.3 0035	ZR03-Pretoria SOAF Metro - skes & WX (AM-UK)
	14568 2150	HML14-KONA Pyongyang NOKO-RYs (JEB-GA)
	14764 0506	AKW70-NFA Manana BRAN-AA/NX (FJO-OH)
	14810 0847	HGX21-NFA Budapest HUNG-RYs (PAC-UK)
	14823 0917	XVH-Hanoi Metro VJET - RYs (PAC-UK)
	14824.8 1745	Y2V25-ADN Berlin GDR - EE/NX (RMA-FRAN)
	14900.7 1745	TANJUG Belgrade YUGO - EE/NX (RMA-FRAN)
	14901 var.	GLM451-PL Havana CUBA - EE/NX (JEB-GA) (EDK-MI)
	15498 0050	NEIP-USN ship? - RYs (JEB-GA)
	15447 1815	EBA-Madrid NAVRAD SPAN - RYs (RMA-FRAN)
	15693 1630	ISX56-ANSA Rome ITLY - FF/NX (RMA-FRAN)
	15781.5 0318	SITOR IT EMB Cairo - t/c to MFA Rome (JK-FRG)
	15975 0610	5LA25-VOA Monrovia LIBE-FF/NX (JEB-GA)
	16249 var.	GLN-PL Havana CUBA-EE/NX (JEB-GA) (RMA-FRAN)
	16662 2215	ONBG-m/v POTOMAC t/c to WLO (FJO-OH)
	17213.5 1915	ARQTOR ONMD-m/v MAASKANT - t/c (FJO-OH)
	17900 1630	RY7A69-FF Berlin GDR-RYs (RMA-FRAN)
	18334 1600	RFLLA-FF NAVRAD Ft.de France MART (RMA-FRAN)
	18361 2223	GMT4-Tokyo JPAN Metro - WX b/c (KGB-KS)
	18540 1000	JRT17-TASS Moscow USSR-EE/NX (RMA-FRAN)
	18550.2 0830	NBA-USN Balboa PAMA - tests (ERP-MD)
	18689.5 1140	MFA Jakarta to Pyongyang/Moscow (RMA-FRAN)
	18835 1200	RN74-TASS Moscow USSR - EE/NX (RMA-FRAN)
	18985 1200	OLD2-CETEKRA Prague CZEK-RYs (RMA-FRAN)
	19520 var.	ZEO94-UDI Hong Kong-EE/NX (RMA-FRAN) (AM-UK)
	19830 1222	RCCT7-TASS Moscow USSR-FF/NX (RMA-FRAN)
	20263.4 1055	OHU20-MFA Helsinki FIN - t/c to Tripoli (AM-UK)
	20328 1500	TELSENEGAL Dakar SENE- BRICK test (DLW-PA)
	20400.4 1205	INDO EMB Jeddah t/c to MFA Jakarta (AM-UK)

TIW#: 22337 C 0027 XSW- Kaohsiung MARCO - CQ mkr (TWL-AL)

**** PACIFIC OCEAN ****

AUST: 6428.5 C 0810 VHP3- Canberra NAVRAD - V mkr (LWK-NY)
8521 C 0745 VIS26- Sydney MARCO - V mkr (LWK-NY)
12994 C 1744 VID- Perth MARCO - CQ mkr (PAT-CA)
22474 C 0026 VIS42- Sydney MARCO - V mkr (JEB-CA)
COGO: 6556 U 0054 Cocos Island Aero wkg Golf Tango 950 (IK-UK)
FFPO: 6462a C 0300 FUM- FF NAVRAD Papeete - V mkr (FJO-OH)
8625 C var. FUM- FF NAVRAD Papeete - V mkr (GLT-NM) (LWK-NY)
12664.5 C 0230 FUM- FF NAVRAD Papeete - V mkr (GLT-NM)
17380 C 0130 FUM- FF NAVRAD Papeete - V mkr (GLT-NM)
22545 C 0115 FUM- FF NAVRAD Papeete - V mkr (GLT-NM)
FLII: 13300 U 0455 Nandi Aero wkg Continental 290 (JCH-MD)
GUAM: 6506.4 U 1319 NRY- CG Guam wkg CGC Polar Star (GRW-OH)
6506.4 U 1345 NRY- CG Guam - Weather warning b/c (JDW-MN)
22527 C var. NRY- CG Guam - CQ/QSX mkr (JEB-CA) (GLT-NM)
HI...: 2500 A 0830 WWH- SFTS Kauai (PMD-NY)
2670 S 0559 NMO- CG Honolulu - Weather b/c (FJO-OH)
6506.4 U var. NMO- CG Honolulu - NTM b/c (RWP-TX) (TLP-OH)
8964 U 0300 AGA2- Hickam Aways wkg CG 1351 (GGP-OO)
13336 U 2006 Honolulu Aero wkg Far East 7 (HCB-WA)
18002 U 2150 AGA2- Hickam Aways wkg a/c #15 (HCB-WA)
NCAL: 8646.1 C 1310 FUJ- FF NAVRAD Noumea - V mkr (GLT-NM)
12859 C 0302 FUJ- FF NAVRAD Noumea - V mkr (JEB-CA)
NZBL: 8504 C 0715 ZLB4- Awarua MARCO - DE/QSX mkr (LWK-NY)
8598.4 C var. ZLO- Iirirangi NAVRAD - DE mkr (GLT-NM) (JEB-CA)
13282 U 1955 Auckland Aero - VOLMET b/c (JCH-MD)
14850 C 0928 ZLX37- Wellington Metro - CQ mkr into WX (PAC-UK)
17127 C 0508 ZLP2- Iirirangi NAVRAD - MC mkr (TML-AL)
17170 C 0130 ZLB6- Awarua MARCO - DE mkr (GLT-NM)

**** ANTARCTICA ****

8997.0 U 0559 NQU- Siple Station wkg Mac Center (RWP-TX)
8997 U 0636 a/c Xray Delta 04 wkg Christchurch/Mac Center (RWP-TX)
11552 U 0650 NQU- Siple Station wkg South Pole Station (RWP-TX)
13974 U 0150 NNNWRR- Palmer Station p/p via NNNWSAP (JDW-MN)

**** SHIPS ****

2182 S 0254 SPZN- ZAWTERGIE c/g CG New Orleans (FJO-OH)
2238 U 0629 MARGO JOHN CABOT wkg CANCG WILLIAM FOSTER (ML-ME)
2367 U 0857 MARIA ANGELA-in distress- p/p NNF via WOU (ML-ME)
2527 A 2050 QYB2956- GOME BANANAS wkg Cullercoats MAROP (PAC-UK)
4434.3 U 0244 ELAX6- SANKO CHERRY wkg CG Portsmouth VA (GRW-OH)
4428.7 U 0443 NKIG- CGC POINT CAMDEN wkg CG San Francisco (GRW-OH)
6200 U 1217 NEMW- CGC CAPE CORAL wkg CG Portsmouth (GRW-OH)
6200 U 0440 NBVG- CGC UNIMAK wkg CG Miami FL (RWP-TX)

20957 1030 100/425n SAM52- Swed EMB Tel Aviv ISRL - tfc SWED(AM-UK)
23358 1030 66/space HCX21- MFA Budapest HUNG- c/g HCX39 (AM-UK)
23490.2 0810 66/425r VMA- BAAP Melbourne AUST- testing (AM-UK)
23572.2 0946 SITOR PCW46- DU EMB Accra GHAN- tfc to PCW1 (JK-FRG)
24410 1018 SITOR AYAZ29- INTERPOL Buenos Aires ARG- tfc (JK-FRG)
24300 1410 133/170n Y7A90- MFA Berlin GDR- RYS (DLW-FA)
25516 1945 100/425r NBA- USA Balboa PANA - RY/FOXs (JEB-CA)
26178a 1835 66/850 ZRH- Cape NAVRAD SOAF - test to NAU (FJO-OH)

**** VLF//LW//MW ****

60 0215 MWVB- SFTS Ft. Collins - time pulses (TLP-OH)
100 0638 Chattering noise - Loran-C probable (ML-ME)
164 0759 Tashkent USSR - RR/OM (DRM-ALB)
194 0451 TUK- Nantucket Memorial Airport NDB & AM WX b/c (ML-ME)
245 0915 EZI- Kewanee IL NDB (GHS-IL)
286 0918 MI- Manana Island ME NDB (ML-ME)
291 0913 HR- Halfway Rock ME NDB (ML-ME)
329 0458 AAA- Lincoln IL NDB (GHS-IL)
332 0130 UDU- Inglewood-Los Angeles Intl Airport NDB (FAV-CA)
477 0507 WGO- Slidell LA MARCO - CW WX b/c (GHS-IL)
500 1623 GIL- Ilfracombe ENG CW CQ mkr (PAC-UK)
500 1600 EAB- Bagur SPAN - CW CQ/QSW 441 kHz mkr (PAC-UK)
500 1632 LGZ- Farsund NOR - CW CQ/QSW 476 kHz mkr (PAC-UK)
500 --- NMP- CGAS Chicago IL - CW NTM on 432 kHz (RP-MO)
516 var. YWA- Pembroke ONT CAN NDB (HDT-WV) (ML-ME)
530 0225 NB- Nabob ONT CAN NDB (HDT-WV)
1613 0559 RAB- Rabinal GUAT NDB (SN-TX)
1615 0930 OR- Ohura NZEL NDB (PMD-NY)
1629 1031 F047 (QTH unknown) "F047(1 long dash) F047" (SN-TX)
1634 1203 KA81191 (QTH unknown) CW repeats (SN-TX)
1634 0258 KA81183 (QTH unknown) CW repeats (SN-TX)
1634 1008 KA80099 (QTH unknown) CW repeats (SN-TX)
1637 1011 W279 (QTH unknown) CW repeats (SN-TX)
1637 1006 KA80092 (QTH unknown) CW repeats (SN-TX)
1638 0305 BC29 (QTH unknown) CW repeats (SN-TX)
1638 0319 V340 (QTH unknown) mixing with BG29 (SN-TX)
1643 0355 KA - (QTH unknown) CW repeats (HDT-WV)
1649 1123 KA81196 (QTH unknown) CW repeats (SN-TX)
1650 1014 KA80088 (QTH unknown) CW repeats (SN-TX)
1655 0323 KA81198 (QTH unknown) CW repeats (SN-TX)
1684 0654 MER- Mercaderes COLO NDB (SN-TX)
1726 2245 GUD- Jersey ENG - EE/OM AM mode NTM b/c (PAC-UK)
1755 1042 KA81211 (QTH unknown) CW repeats (SN-TX)
1765 1035 KA81200 (QTH unknown) CW repeats (SN-TX)

*** anyone know details about the QTH unknowns reported here???????

6506.4 U var. NGDF - CGC MONROE/NREP - CGC IRONWOOD wkg NMC (RWP-TX)
 6506.4 U 0617 WTEA - NOAA DISCOVERER wkg CG Kodiak AK (RWP-TX)
 6506.4 U 1030 NRPY - CGC PLANETREE in distress wkg NMC (RJC-MA)
 (hull holed-nearly sank between HI & WA coast)
 NGDF - CGC MONROE wkg CG San Francisco (HCB-WA)
 6506.4 U 0521 WTDW - NOAA MILLER FREEMAN wkg CG San Fran (RVP-TX)
 NGPF - CGC CHEROKEE wkg CG Boston MA (JDM-MN)
 6506.4 U 1330 NBTM - CGC POLAR STAR wkg CG Guam (JDM-MN)
 6506.4 U 1339 NBTM - CGC POLAR STAR wkg CG Guam (JDM-MN)
 6506.4 U 1229 WBD - NOAA DELAWARE 2 wkg CG Portsmouth (JDM-MN)
 8205 U 0105 H9GX - AIWAHDA - SS t/c with unknown sta (RMH-NY)
 8202.9 U 0053 KFXG - AURORA wkg WOM (GRW-OH)
 8244.5 U 0031 GBTY - QUEEN ELIZABETH 2 p/p via Portishead (GRW-OH)
 8241.5 U 0003 GXYT - SELBY DYKE wkg Portishead MARCO (GRW-OH)
 8269.4 U 0204 HOEB - OCEANIC wkg WOM (GRW-OH)
 8288 U var. FOXK - MERMIOZ/LAPJ - NORDIC PRINCE wkg WOM (GRW-OH)
 12345.5 U 1433 AMERICAN EXPLORER p/p via WOM (JDM-MN)
 12429.1 U 1613 AMERICAN TRADER clg WCH32 Oakland CA (HCB-WA)
 13113.2 U 2117 NRPY - CGC PLANETREE - disabled wkg SAR a/c (PAT-CA)
 14470 U 2155 NNWVZK - USS VRELAND p/p via NNWVZLP (GRW-OH)
 14470 U 2244 NNWVXE - USS NICHOLSON p/p via NNWVNTG (GRW-OH)
 14477 U 2026 NNWVVC - USS KALAMAZOO p/o via NNWVAJ (GRW-OH)
 14477 U 2253 NNWVVG - USS DWIGHT D. EISENHOWER p/p NNWVAJ (GRW-OH)
 16487.9 U var. SZYX - EAST WIND/GXZU - ALKES wkg WOM (GRW-OH)
 16587.1 U 2021 KUAL - JERSEY SUN clg KUX 773 (JCH-MD)
 16587.1 U 2105 WTST - PRESIDENT HOOVER clg for radio check (HCB-WA)
 16587.1 U 1911 WNPJ - EXXON PHILADELPHIA clg KIT Cedar Rapids (HCB-WA)
 22124 U 2117 WOVJ - OVERSEAS VALDEZ wkg KHT (HCB-WA)
 22124 U 1945 WWDN - OVERSEAS JUNEAU clg KHT (HCB-WA)
 ***** AIRCRAFT *****
 2899 U 0437 TWA 904 wkg Santa Maria Aero (CC-DE)
 2987 U 0312 CLIPPER 772 wkg Gander Aero (CC-DE)
 5505 U 0245 SASENA 483 wkg Tripoli Aero (CC-DE)
 5505 U 0245 BRAVO BRAVO VICTOR 20 wkg Galro Aero (CC-DE)
 5550 U 0356 CLIPPER 180 wkg San Juan Aero (CC-DE)
 5589 U var. KOREAN AIR 012 & JAPAN AIR 370 wkg Anchorage (JDM-MN)
 5598 U 0345 NATIONAL 110 wkg New York Aero (CC-DE)
 5603 U 0500 EXPRESS 311 & WESTERN 564 wkg San Francisco (PT-CA)
 5610 U var. SPRINGBOK 26056 & KLM 771 wkg Santa Maria (JDM-MN) (CC-DE)
 5616 U 0328 TWA 740 wkg Gander Aero (BLA-PA)
 5643 U var. EXPRESS 311 & QUANTAS 3 wkg Honolulu Aero (JDM-MN)
 5673 U var. IBERIA 944 & AIR MEXICO 451 wkg N.Y. Aero (JDM-MN)
 5673 U 0109 DYNASTY 3341 wkg New York Aero... on a flight from Singapore to Calcutta! great QSB!!! (CC-DE)
 CG 1453 wkg CG San Francisco (RWP-TX) (BLA-PA)
 U var. 5696 U var.

*** 68 utility contributors this month.....

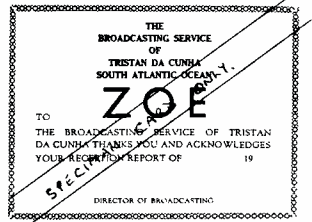
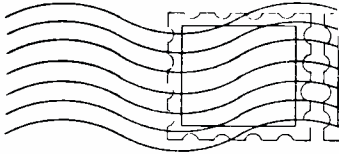
(RMA-FRAN)	Roger Aked	(ML-ME)	Michael Leonard
(BLA-PA)	Brian Alexander	(RJI-CA)	Robert Lewallyn
(RMA-IA)	Rodney Alexander	(TML-AL)	Terry Lindley
(SB-CT)	Sam Barto	(WAM-VA)	Michael McKinstry
(KCB-KS)	Kirk Baxter	(DEM-ALB)	Don Moman
(HCB-WA)	Robert Beal	(AW-UK)	Alex Moore
(JEB-CA)	Jason Berrl	(PM-NY)	? Murphy
(CAB-MN)	Gene Bovee	(WPM-NY)	William Muzyka
(CC-DE)	Cornelia Campbell	(SN-FX)	Sam Neal
(PGC-RI)	Peter Card	(FJO-OH)	Fred Osterman
(MDC-AZ)	editing only	(RWP-ME/TX)	Roger Pettengill
(WDC-NY)	Mark Chinsky	(RP-IL)	Ron Pokatilloff
(RJC-MA)	Robert Coleman	(CGP-CO)	Charles Pringle
(PAC-UK)	Peter Conway	(TLP-OS)	Terry Provance
(PMD-NY)	Phillip Dampler	(RLR-KS)	Robert Rankin
(JHD-PA)	John Demmitt	(AR-CA)	Allen Rising
(RP-MO)	Robert Flick	(?R-NE)	? Roussel
(ERF-WD)	E.R. Flynn	(TFS-NY)	Tom Sable
(RG-MA)	Ray Gallagher	(GHS-IL)	Greg Shephard
(PAG-NC)	Paul Gilster	(TES-CA)	Tim Starr
(SPH-CA)	Stuart Hall	(RDS-NJ)	Richard Stein
(JCH-MD)	James Hartung	(LJS-CO)	Leo Stock
(?H-PA)	? Hecht	(WJS-ONT)	Wilf Stone
(RMH-NY)	Ruth Hesch	(HDT-WV)	Harold Tate
(HH-MD)	Hank Holbrook	(GLT-NN)	Glen Thompson
(RJH-RI)	Robert Horvitz	(PAT-CA)	Peggy Thompson
(CH-WA)	Chet Howarth	(?T-CA)	? Trager
(HGJ-TX)	Howard Johnson	(TT-ML)	Tim Tyler
(LWK-NY)	Leon Kanopka	(FAV-CA)	Fred Valentine
(IK-UK)	Ian Kerr	(GRW-OH)	Gene Malega
(JK-FRG)	Joerg Klingenfuss	(RW-WV)	Richard Wildman
(KWK-VA)	Kraig Krist	(JDM-MN)	John Williams
(EDK-MI)	Eugene Krolak	(DLW-PA)	David Wilson
(RAL-OH)	Robert Leary	(BCW-VA)	Bernie Wimmers

**** QSLs will be held over for next month.... Very heavy amount of submissions this month. Had to cut slightly over 300 Loggings!!!!

**** PTTY Bufrs... Hope the revised arrangement meets with general approval. As I stated, your comments suggested this setup.....

**** The 2nd SRGU installment will be completed after this column is drafted. It will contain, the US Coast Guard and a report on the SLHFB (Single Letter HF Beacons).....

MC



EDITOR:
JOHN KAPINOS
86 S. QUINSIGAMOND AVE.
SHREWSBURY, MA 01545

Deadline: 12th of the month

QSL REPORTS

ALBANIA: Radio Tirana, 7120, f/d "Spirit of the Revolution" card and stick pin in 61 days, IRC (Forsman-CA), same card and New Year's greetings in 72 days (Kapinos-MA). They want complete reports, just a mention of date, time and frequency along with SINPO usually won't get you a QSL. Obviously the reasoning is that if you take program notes, you're going to listen to the program (kap).

AUSTRIA: ORF, 12015, f/d Vacation area card in 53 days (Carlson-WA).

BELGIUM: BRT, 9790, f/d letter in 35 days (Rousell-New Brun); 9880, f/d Market Place card in 26 days (Miller-CA); 21525, f/d "Lace Makers at Work" card in 85 days (Smith-FL).

BULGARIA: Radio Sofia, 9700, f/d State University card in 40 days along with pin, FF report (Casavant-PQ); 11750, f/d Das National Theatre card in 85 days (Van Horn-TX).

CZECHOSLOVAKIA: R. Prague, 11990, f/d cd in 168 days (Grishin-ONT).

DENMARK: Radio Denmark, 11710, f/d "Upper Left of Painting" card in 15 days, IRC (Konen-WI); 15165, same card in 23 days (Jones-VA); 25850, same in 50 days (Hattan-New Zealand).

ENGLAND: BBC, 15070, usual no data Tower Bridge card in 33 days (Muzyka-NY); Radio East Coast Commercial, 6225 (Pirate), f/d card and letter in 98 days, 2 IRC (Pimblett-logged in England).

FINLAND: Radio Finland, 21475, no data "Jewelry" card in 75 days (Hensley)

FRANCE: Radio France International, 9790, f/d card in 35 days, FF report (Rousell-NewBrun); Atlantic 2000 International, 7340 (Pirate), QSL in 92 days (Ducos-France).

GERMANY, DEMOCRATIC REPUBLIC: Radio Berlin International, 9560, f/d card, books, newsletters, and pocket calendar in 60 days (Schulsinger-OH); 9620, same in 82 days (Smith-FL), in 83 days (Miller-CA).

GERMANY, FEDERAL REPUBLIC: Deutsche Welle, 5960, n/d card along with pennants and stickers in 36 days, IRC (Moore-TX), n/d card and newspaper in 35 days (Greenbauer-AZ), same along with pennant and sticker in 35 days (Grijalva-AZ); 9690, same along with SWL books in 45 days (Hecht-PA); 6145, f/d EDXC card in 64 days (Dampier-NY); 11865, same in 135 days (Grishin-ONT); VOA Munich Relay, 6150, f/d 40th anniversary cd in 10 days (Hosmer-MI).

GREECE: Voice of Greece, 9865, f/d Platanos Coastal View card in 52 days (Casavant-PQ), same in 70 days for FF report (Roussell-NewBrun).

HUNGARY: Radio Budapest, 9585, f/d logo card and 1982 DXers Honor Roll listing in 28 days, 2 IRC (Robinson-TN); 9835, f/d card in 60 days (Cleveland-NY), same in 28 days along with sked (Ducos-France).

ITALY: RAI, 17715, f/d card for report on Special World Cup programming in 127 days (Stephany-NY); 11800, f/d cd in 123 days (Cleveland-NY), in 125 days for FF report (Roussell-NewBrun)

LUXEMBOURG: Radio Luxembourg, 6090, No Data Station Staff card in 316 days, 40 days after f/u, IRC (Stephany-NY). Hmm...is the n/d card a sign of things to come (kap).

MALTA: Radio Mediterranean, 5960, f/d Map Card in 15 days, EE report, 3 IRC, also received note, sked, tourist brochure and sticker, v/s Marisa Farrugia, correct address is PO Box 2, Valletta (Hosmer-MI).

MONACO: Trans World Radio - Monte Carlo, 9495, f/d Cyprus MW antenna card, sked, sticker and pamphlet in 30 days, IRC (Schulsinger-OH), f/d card in 21 days (Cleveley-NY).

NORWAY, Radio Norway, 25730, date/freq card in 61 days (Wettersten-ONT).

POLAND: Radio Polonia, 6095, f/d card along with Bronze Diploma for 25 reports in 45 days (Leite-MA); 9523, f/d cd in 42 days, IRC (Forsman-CA)..

PORTUGAL: Radio Portugal, 6075, f/d card in 22 days (Shamblin-CA); 11925, f/d cards in 21 days (McCants-AL), in 46 days (Robichaud-NewBrun), in 40 days along with 2 mini-stickers, 2 IRC (Robinson-TN)...Welcome to the column, Betsy...(kap)...Radio Trans Europe via RTE, 9670, f/d "Reaching out to Africa" card, pennant and sked in 18 days, IRC (Stephany-NY).

ROMANIA: R. Bucharest, 15430, f/d cd in 38 days (Dampier-NY).

SPAIN: REE, 9630, 11880, f/d cards in 53 days (Greenbauer-AZ), in 41 days (Gallagher-MA), in 33 days for SS report (Ruckman), in 39 days, SS report (Robinson-TN), in 52 days (Miller-CA).

SWEDEN: Radio Sweden International, 21615, f/d card in 18 days for FF rpt (Rousell-NewBrun), 9695, f/d Logo card in 61 days along with brochure (Casavant-PQ), same in 23 days (Dan Johnson-CA)... Perish the thought that our esteemed Business Manager should return to QSLing (kap), same card in 36 days (Cleveley-NY).

SWITZERLAND: Swiss Radio International, *3985*, f/d Swiss countryside photo card in 45 days (Pimblett-Alberta). Congratulations on winning the contest, Nigel.(kap)..... 6135, f/d SRI Building card in 49 days (Jones-VA), 9725, same in 45 days (Cleveley-NY), 11715, same in 20 days (Ledford-NJ), 21695, same in 21 days (Sugai-Japan); Red Cross Broadcasting Service, 7210, f/d Globe and Earphones card in 29 days along with newsletter and sked, IRC (Stephany-NY), same in 29 days (Demmitt-PA). Nolan Stephany advises that their QSL has not changed over the years, the Africa portion of the Map references the old colonial powers (kap).

VATICAN: Radio Vaticana, 6015, f/d Transmission Control Center card in 19 days, IRC (Starr-GA); 9615, same in 23 days, IRC (Kapinos).. Looks like they finally ran out of the anniversary car@s (kap).....

AFRICA

ANGOLA: Radio Nacional de Angola, 11955, f/d mimeo letter in 297 days, PP report, 2 IRC (Sharp-FL)...Have been hearing them here at 2230UTC in EE on 9535 quite well (kap).....

LIBERIA: ELWA, 3230, f/d Studio and Transmitter site card in 39 days, no rp (Barto-CT), 4765, same in 66 days, 2 IRC (Kanon-NY).

MADAGASCAR: Radio Netherlands Talata Relay, 15220, f/d Cornerstone Laying card in 20 days (Greenbauer-AZ), same card in 19 days (Kapinos-MA).

NIGERIA: Radio Nigeria - Kaduna, 4770, f/d Station Logo letter in 4 monts, ms (Witte-CA); Plateau B.C. - Jos, 5965, f/d mimeo Form letter in 30 days, ms (Witte); Voice of Nigeria, 15120, f/d Remebrance Arcade card in 275 days along with out-of-date sked (Evans-TN).

SAO TOME E PRINCIPE: Radio Nacional, 4807, f/d letter and FFC in 55 days for PP report and 2 IRC (Hall-CA). This is one station that does insist on return postage, either IRC or ms (kap).

SIERRA LEONE: SLBS, 5980, f/d letter in 71 days, IRC (Sharp-FL).

SOUTH AFRICA: Radio RSA, 9595, 9615, 11730, 15325, 21535, 25790, f/d cards in an average 30 days (Grishin-ONT, Sill-MA, Thompson-NM, Miller-CA), McCants-AL, Robinson-TN, Starr-GA, Rousell-NewBrun, Sugai-Japan, Jones-VA, Drollinger-WI, Ducos-France).

SWAZILAND: TWR-Manzini, 7295, f/d folder, 20 days, 2 IRC (Kanon-NY).

UGANDA: Radio Uganda, 15325, f/d Building card in the usual quick time of 830 days (Morrison-NC).

MIDDLE EAST

EGYPT: Radio Cairo, 9475, no data card in 71 days, IRC (Craig-OH), 9805, f/d card in 75 days, FF report (Roussell-NewBrun), 9475, f/d card in 58 days, (Grishin-ONT). Hmm...no data cards a bit unusual here, perhaps they sent the scenic card and forgot to include the QSL (kap).

IRAN: VOIRI, 9022, f/d Crowds scene cd in 85 days, 2 IRC (Ruckman); f/d "War is Ugly" card along with Khomeni folder denouncing everyone in 67 days (Kapinos-MA); 15084, same cards in 9 months, 2 IRC (McLain-CA)...., 9022, same in 44 days, 2 IRC (Ledford-NJ). Aside from the expected denouncements, the station has definitely taken a turn for the better regarding its relationship with listeners. (kap).

ISRAEL: Kol Israel, 7410, f/d card in 17 days (McCants-AL); 9815, f/d Logo card in 52 days, IRC (Craig-OH); 15475, f/d logo card in 72 days, FF rpt (Roussell-NewBrun). The Logo card is something new (kap).

KUWAIT: Radio Kuwait, 11675, f/d form letter and stickers in 29 days (Van Horn-TX); 15345, same in 44 days, IRC, SS report (Moore-TX).

LEBANON: Voice/King of Hope, 6215, f/d card and sticker for U.S. 20¢ stamps in 7 days via Van Nuys address (Leite-MA).

QATAR: QBS, 15505, f/d Map and Crest card along with letter in 120 days, 2 IRC (Ward-PQ).

UNITED ARAB EMIRATES: Radio Dubai, 11755, f/d map/logo card and pennant in 34 days, 2 IRC (Konen-WI); 21655, same in 31 days (Ducos-France), f/d card in 43 days, 2 IRC (Duncan-NC).

USSR

Radio Moscow Sites:

Armavir, 7.13, 56 days along with new pennant (Casavant-PQ)
Lvov, 12010, 45 days (Hosmer-MI)
Moscow, 11830, 90 days (Ward-PQ)
Vinnitsa, 7215, 63 days (Roussell-NewBrun); 11860, 45 days (Hosmer)

Radio Baku, 6110, f/d card and 2 postcards in 96 days, 3 IRC (McLain-CA)... Nice go on this one, seldome reported on this frequency, even more seldom QSLd (kap).

Radio Kiev, 7165, 11770, 15100, 17870, in 44 days (Greenbauer-AZ); 15100, 55 days (Muzyka-NY), 9580, in 64 days (Ducos-France).

Radio Tallinn (Eesti Radio) 6085, 86 days (Parks-FL).

Radio Tashkent: 5945, 48 days (Grishin-ONT), 11785, 45 days (Kanon-NY), 31 days along with Russian Map (Van Horn-TX), 40 days (Radtke-CA); 15460, 3 months (Hatton-New Zealand).

Radio Station Peace and Progress, 11835, logo card in 32 days (Van Horn-TX).

Radio Yerevan; 17870, card and sked in 53 days (D'Angelo-PA).

all QSLs reported above were full data....Our own SPEEDX Club has a very well done but slightly outdated "Guide to Soviet Broadcasting". Although, as mentioned, it is slightly outdated, the information contained is of much current value to the Soviet site chaser. Cost to North American members is \$2.00 (\$1.50 for full members); airmail to anywhere in the rest of the world for \$3.00.... This booklet, used in conjunction with Roger Legge's UHN Newsletter (Box 232, McLean, VA 22201) will certainly help pin down those elusive sites. I highly recommend both publications for those who really want to get involved in this aspect of the hobby (kap). (I do not have the book in stock, please order directly from Don Johnson in Lake Elsinore).

There has also been some questions raised regarding the legitimacy of the sites Moscow puts on the cards. Since there is really no way to prove otherwise, this editor, along with the QSL editors of all other major clubs, accepts them as indicated on the QSL. (kap)

ASIA

BURMA: Burma Broadcasting Service, 4725, f/d Logo card in 72 days for 2 IRC (Hall-CA), 5040 same in 390 days total, 103 days after follow up, 2 IRC (Pimblett-Atla).

CHINA: Jiangxu PBS, 5020, f/d card in 23 days via Beijing (Hall-CA); Radio Beijing/Peking, 15120 and 15520, f/d cards in an average 30 days (Speer-CA, Starr-GA, Smith-FL, Jones-VA, Shamblin-CA, Hecht-PA, Stephany-NY). Also received were pennants and bookmarks. Part #2 of the Radio Beijing contest, first person in with a photo copy (or sworn statement) of a Radio Beijing Pennant (with no mention of Peking on it) wins. First prize (actually the only prize) will be a copy of the SPEEDX Foreign Language Reporting Guide, the definitive work in its class (kap). No winner of the first Radio Beijing QSL contest has yet been determined, will wait until next time around.

CYPRUS, Cyprus Broadcasting Company, 7180 (new frequency), f/d Island scene card in 7 weeks for taped report, 2 IRC (Kapinos-MA); 7230, same in 148 days (D'Angelo-PA).

INDIA: All India Radio, 11620, f/d cards in 80 days (Wormwood-NY), in 92 days, 2 IRC (Ledford-NJ), 17875, in 41 days, 2 IRC (Ward-PQ); AIR-Hyberdad, 4800, f/d card via Dehli in 7 weeks, ms (Howard-CA); AIR-Guahati, 4775, f/d card in 7 weeks, ms (Howard-CA). Good job, Ron, these 60 metre band sites are not often reported, even from the West Coast (kap).

INDONESIA: RRI Mankwari, 6188, f/d personal letter in II in 215 days, II report and ms (Parks-FL); Voice of Indonesia, 11790, f/d "Jewel Room" cd in 120 days (Dampier-NY); 15150, f/d "Village in Toraja" card in 9 months, JJ report (Sugai-Japan). Not a contest as such, but I'll swap 5 IRC for a VOI pennant, first one in. The others will be returned at my expense (kap).

JAPAN: Radio Japan and NHK, 9505, 9595, 15300, 17755, 17825, cards in an average 30 days (Speer-CA, Stephany-NY, Leite-MA, Thompson-NM, Dampier-NY, Krolak-MI, Wettersten-OH).

KAMPUCHEA: Radio Voice of the People of Kampuchea, 11938, n/d "Angkor Wat" card in 173 days, IRC (Parks-FL).

KOREA, NORTH., Radio Pyongyang, 9745, f/d card in 109 days along with sked, book (Muzyka-NY); 11830, f/d card in 1½ months (Hatton-New Zealand).

KOREA, SOUTH., Radio Korea, 7550, 11830, 15575, f/d cards and pennant in 28 days for monitor reports (Miller-CA); 9570, f/d card and calendar in 46 days, 2 IRC (Ledford-NJ), 11810, same in 22 days, 2 IRC (Konen-WI).

MALAYSIA: Radio Malaysia, 7265, f/d "Beetle Box" card in 144 days along with sked, IRC (Stephany-NY).

MONGOLIA: Radio Ulan Bator, 6383, f/d card in 3½ months (Hatton-NewZea); 12070, same in 62 days along with book on Mongolian Cooperative Agriculture and 13 different stamps (Drollinger-WI). Our hearty welcome to Rick Drollinger as the SPEEDX Managing Editor. That makes Rick ye olde kap's boss, so best I should behave (kap).

NEPAL: Radio Nepal, 5005, f/d plain card and personal letter for EE report and US \$1. in 46 days (Sharp-FL). Nice job here, David, a tough one anywhere, but especially on the U.S. East Coast (kap).

PAKISTAN: RP-Quetta, 4885; RP-Rawalpindi, 5008 and RP-Islamabad, 5060 and 5095, f/d personal letter with sites confirmed in 2 months for EE report and ms, v/s Yar Mohammad Khan, Engineering Manager, Projects Cell, 34-C, Satellite Town, Rawalpindi (Howard-CA).

PHILIPPINES: FEBC, 11890, f/d "Morse Code" card in 31 days along with sked, U.S. \$1. donation (Hesch-NY); Radio Veritas Asia, 9670, f/d "Gion Festival" card in 25 days, 2 IRC (Konen-WI); 11955, f/d card, sked and letter in 30 days for monitor report (Miller-CA).

SRI LANKA: Adventist World Radio via SLBC, 11835, f/d Radio Monitors International card, pennant, contest info, sked and reception report form in 26 days, v/s Jose Jacob (D'Angelo-PA); VOAICE OF AMERICA COLOMBO RELAY 15250, f/d anniversary card in 75 days, 8 days after follow up (whoops, they lost the original report...kap..) (Hosmer-MI).

TAIWAN: Voice of Free China, 17800, f/d card and goodie pack in 3½ months (Sherwood-MA). Atta go, Lin, told ya they'd answer sooner or later (kap).

TURKEY: Turkish Police Radio, 6340, f/d logo card in 371 days, IRC (Parks-FL); same in 120 days after follow up, ms (Gavares-MN); Voice of Turkey, 9560, f/d card and tourist brochure in 39 days, IRC (Kapinos-MA).

VIETNAM: Voice of Vietnam, 15010/15012, f/d form cards in 4½ months (Hatton-NewZea), in 157 days (Kanon-NY), in 3½ months (Kapinos-MA).

OCEANIA

AUSTRALIA: VLM-4, Brisbane, 4920, f/d Map Card in 30 days, 2 IRC (Shorock-KS); VLW9, Wanneroo, 9610, f/d letter in 46 days (D'Angelo-PA); Radio Australia, 6245, f/d cd in 24 days (Smith-FL); 9640, f/d cards, sked and brochure on new headquarters in 29 days, IRC (Robinson-TN); 9580, f/d card in 45 days (Roussell-NewBrun); 15115, same in 17 days (Starr-GA).

GUAM: KTRW, 11840, f/d card and sked in 32 days, \$1. donation (Hesch-NY); 11920, f/d card and pennant in 123 days (Ducos-France).

PAPUA NEW GUINEA: Radio North Solomons, 3322.5, f/d letter in 90 days (Hatton-NewZea).

SAIPAN: KYOI, Super Rock, 11900, f/d card in 25 days, 2 U.S. 20¢ stamps, card postmarked Honolulu, HI (Gavares-MN). Well, Tom, you won a contest that you didn't even know you entered. To be fair to everyone, we're going to declare co-winners here, announcement next month (kap).

SOLOMON ISLANDS: SIBC, 9545, f/d Logo cd in 28 days, 2 IRC (Sharp-FL).

TAHITI: FRC-Papettee, 6135, f/d card in 2½ months (Hatton-NewZea); 15170, same along with sked for FF report and 2 IRC (Speer-CA).

ANTARCTICA

LRA36, Radio Nacional Arcangel San Gabriel, 15474/15476, f/d letter and pamphlet in 103 days (D'Angelo-PA); f/d letter and folder in 4 months for taped report and 2 IRC (Harrington-MA). Atta go, folks.

SOUTH AMERICA

ARGENTINA: RAE, 9690/11710, no data logo cards in 31 days (Hensley-TX), in 32 days, 2 IRC (Shorock-KS), in 40 days, IRC (Schulsinger-OH).

BRAZIL: Radio Amazonia, 11780, date/freq letter in 5 months, EE report, IRC (Witte-CA); Radio Inconfidencia, 6000, date/time card in 18 days, PP report, 3 IRC (Pagano-DC); Radio Marumby, 9675, f/d PFC plus view of Florianapolis card in 31 days, PP report, ms (Hall-CA); Radio Nacional Cruzeiro do Sul, 4765, f/d PFC and personal note in 2 years total, PP report, ms (Lazarus-LA); Radio Bras, 15290, 17830, f/d cards in 101 days (Kanon-NY), in 3 months (Witte-CA), in 80 days (Greenbauer-AZ), in 81 days (Kapinos), in 124 days (Grishin-ONT), in 210 days (Dampier-NY), in 142 days (Hecht-PA) in 124 days (Thompson-NM). Most folks also received apologies for the delay in answering reports (kap).

COLOMBIA: EMISORA ARMONIAS DEL CAQUETA, 4915, f/d personal letter, PFC, station cards, 3 weeks for SS report and ms (Lazarus-LA). V/S Padre Alvaro Serna Alzate.

ECUADOR: Australian DX Club via HCJB, 15155, f/d "Surfing" card in 55 days (D'Angelo-PA); HCJB, 26020, f/d "100 Watt Transmitter" card in 24 days after resubmitting report that they claimed was thw wrong frequency (Stephany-NY); HCJB, various frequencies, f/d cards were received by (Duncan-NC, McCants-AL, Lobdell-MA, Parks-FL, Starr-GA, Miller-CA, Cord-??, Leite-MA, Robinson-TN); Radio Pastaza, 3316, n/d personal verie statement letter and large pennant in 69 days, SS report, ms (Parks-FL); Radio Baha'i Otavalo, 4995, persoanal letter, poster, newspaper and date only QSL card in 2 months for EE report and ms (Lobdell-MA); personal letter and date only QSL card in 6 weeks along with mimeo bulletin for SS report, ms (Lazarus-LA). v/s in both cases was Marcel Quinteros M. Ondas Canarias, 5045, f/d personal letter and large gray pennant in 4 years!!!, SS report, ms (Lazarus). Henry, you do have the patience and perseverance to make this hobby pay off (kap).

FRENCH GUIANA: France Regions 3, Cayenne, 3385, f/d "Logo Map" card in 128 days, along with sticker, EE report, 2 IRC (Stephany-NY).

PERU: Asociacion Club Radio Cultural Amauta-Huanta, 4955, time, verie statement via SS letter and post card in 3 weeks for SS report and ms, v/s Saturino Galivan N., Gerente (Lobdell-MA); Emisoras JSV, 6060, f/d PFC and personal letter in 3 months, SS report, ms, v/s Jesus Santa Cruz Valencia (Lazarus-LA); Radio Huancavelica, 4885, f/d prepared card in 2 months for SS report and ms (Lazarus); Radio Ondas del Titicaca, 4922, f/d PFC, personal letter and pennant in 3 weeks, SS report, ms, vs Alehandro Nestor (Lazarus); Radio Tawantinsuyo, 6175, f/d PFC and personal note in 4 years!!! total, SS report, ms, v/s Raul Montesinos Espejo (Lazarus). Folks, Chris Lobdell and Henry Lazarus have shown here what can be cone with a bit of work. I personally thank both of them for choosing to share this most valuable information with us (kap).

VENEZUELA: Radio Rumbos, 4970, 9660, f/d cards in 60 days (Lord-CA), in 109 days, SS report, IRC (Drollinger-WI), in 189 days, SS report, IRC (Moore-TX), in 115 days, SS report, IRC (VanHorn-TX); Radio Turismo, 6180, f/d letter in 72 days, SS report (Dampier-NY).

NORTH AMERICA

BONAIRE: Trans World Radio, 9535, f/d TWR Building card in 46 days, no rp (Coutermarsh-VT); Radio Netherlands Relay, 6165, f/d card in 29 days, (Sill-MA).

BELIZE: Radio Belize, 3285, f/d Map Card in 31 days, IRC (Drollinger-WI), in 22 days (Grishin-ONT), in 27 days, IRC (Konen-WI).

CANADA: Radio Canada International, 5960, f/d "DIY" Canadian Arts Council card in 57 days along with pennant and sticker (Muzyka-NY); CKZN-St. Johns, Newfoundland, 6160, date/freq "Map" folder, decal and Historic Newfoundland book in 17 days (Parks-FL). Note, correct pronunciation of this Province is just as it is spelled, not "Newfundland". (kap).

COSTA RICA: Radio Reloj, 4832, time/freq SS/EE card in 14 days for SS report and IRC (Konen-WI).

CUBA: Radio Moscow Havana Relay, 11840, f/d card in 45 days (Hosmer-MI), in 31 days (Greenbauer-AZ).

DOMINICAN REPUBLIC: Radio Clarin, 11700, f/d very large cards in 52 days, IRC (Roussell-NewBrun), in 3½ months, ms (Witte-CA). When all of your patience regarding a late QSLer is gone, think of this true tale. On Feb. 5, 1983, Roly Desrosiers of Chicopee, MA received a QSL card, mailed in Santo Domingo on January 25, 1983 verifying an April 1977 report. No follow ups were ever sent. Rumor has it that several well know Short Wave personalities are planning a resumption of Radio Clarin English Service, more on this as details are available (kap).

EL SALVADOR: Radio El Salvador (YSSS), 9552, date/frequency personal SS lltter in 10 months, 3 monhs after follow up. Station is presently off the air but will return soon with a 25 kw transmitter. SS report and 3 IRC. v/s Carlos Alberto Melendez, Director (Lobdell-MA).

GUATEMALA: Radio Cultural, TGNA, 3300, f/d Quetzal cards in 210 days (Sharp-FL), in 190 days along with personal letter (Stephany-NY), in 19!!! days (McCants-AL).

HONDURAS: HRVC, La Vox Evagelica, 4820, f/d Antenna-Map-Cross card in 30 days, IRC (Radtke-CA).

MEXICO: XERMX, Radio Mexico, 15430, f/d card in 56 days, IRC (Kanon-NY); Radio Universidad XEXQ, 6045, f/d PFC and personal letter in 6 weeks along with 2 monthly bulletins, v/s Manuel Carrillo Grageda, all for SS report and ms (Lazarus-LA).

NICARAGUA: Radio Zinca, Bluefields, 6120, very friendly no data letter 7 months after f/u, 3 years total, v/s Arturo J. Valdez R. Director.... SS report, 2 IRC, postcard of wonderful (??kap) Chelmsford Center.... (Fisher-MA). Very nice, John, don't remember seeing one of these in my tenure as QSL editor (kap); Lv de Nicaragua, 5955, mimeo form letter and pennant in 82 days, EE report (Sharp-FL).

MONTSERRAT: DW Relay, 11705, n/d card in 49 days, IRC (Hosmer-MI).

UNITED STATES OF AMERICA: Voice of Free China via WYFR, 5985, f/d cards in 162 days (Cleveley-NY, Harral-IL, Barto-CT, Casavant-PQ). Note, if you sent a taped report to VOFC, you will receive a very nice tape of Chinese Popular music, well worth the effort (Kap). WRNO-New Orleans, 17895, 15420, f/d cards (Cleveley-NY, Greenbauer-AZ); WYFR, 15440, f/d card in 15 days (Cleveley); WINB-Red Lion, f/d card and sked in 39 days (McCants-AL); KGEI-San Francisco, 15280, f/d card in 34 days (Taylor-MO); VOA-Delano, 21460, f/d card in 14 days (Greenbauer-AZ); via Greenville, f/d card in 8 days (Wuzyka-NY). And, another small contest, what was the official call letters of the old VOA-Mason, OH site? Only one winner, but to make it fair for our foreign readers, we'll do it by blind draw on 25 March.

U.S.A. PIRATES: Voice of Syncom, 6225, 7375, f/d something or other and letter in 2 monts (Barto-CT), in 280 days (Ross-ONT).

KAP's PAP (or Komments, or Whatever):

I would like to thank all those who wrote in regarding the Pirate question. As per my ground rules, all ballots were added up and the folks who want to see Pirate QSLs in this column won by a rather surprisingly large majority. So be it. Per legal advise, no skeds will be run in this column, nor will addresses be available. Again, this is YOUR column, not mine.....

On other topics, my best wishes to Chris Hansen on his upcoming "retirement". While we have had a few minor disagreements over the years, your efforts toward the betterment of the hobby have been appreciated by all.

The first edition of "SWAPS-1983" will be available by the time you read this. If you missed previous information, send along an SASE and we'll get a copy out to you, which will give the info you need to get involved in this most interesting and personal facet of the hobby.

The next deadline will be for the April issue. Please do not try to pull an April Fools joke on the editor. I am much to busy to fool around with such things as XEROX-Radio Duplicado and BBC Fisheries. I'll probably do up an "April Fools" section in issue #2 of "SWAPS-1983", so if you want to have some fun (no personal shots allowed) mark these things accordingly. Deadline for this mess will be March 25, with an April 1 issue date.

Enough. Time to go watch TV and have a Miller or two.

Best, Kap
2/15/83

ON INDIA GOVERNMENT SERVICE

No. 3/1/82-ES (QSL)
ALL INDIA RADIO
AKASHVANI BHAWAN,
PARLIAMENT STREET,
NEW DELHI-110001 INDIA

Dated the 25.1.83

Dear Sir/Madam,

We gratefully acknowledge your Reception Report and confirm your listening to our transmission on..... 4775.....kHz on...12.12.82...at...1140.....GMT

The transmission originated from our Station at.....Gauhati.....

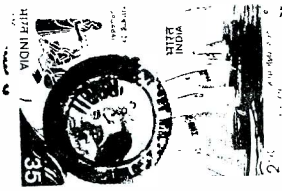
Yours faithfully,

O.P. Khushu

(O.P. Khushu)

Director Frequency Assignments
for Director General

Signature
Director
of Radio



Mr. Ronald Howard

777 Via Hierba

Santa Barbara, California

93110- U.S.A.

Tips and Topics

THE FEATURE SECTION OF SPEEDX

EDITOR: ARTHUR S. GETZEL - 170-40 Highland Ave., Jamaica, NY 11432

TECHNICAL ROUNDUP

EQUIPMENT, ANTENNAS, RECEIVERS,
ACCESSORIES, AND NEW IDEAS

KENWOOD R-2000

by Ronald Pokatiloff, MO

It has been my wish to have a scanner that covers short-wave. The ICF-2001 falls short; the new R-2000 by TRIO-KENWOOD is my dream-come-true. The basic specs of the radio are very good. The rig has a tone and squelch, noise blanker and dimmer. Two 24-hour clocks with a timer are provided. (one should be 12 hours.) 3 speed tuning. . .50 Hz, 500 Hz, 5 kHz. The Kenwood has no fine tuning between the 50 Hz resolution. (Can Radio West modify?) This compromises the ECSSB/SSB performance. The scanning functions is what makes this radio FANTASTIC!

MEMORY SCAN: Stores 10 channels and scans them, sampling each freq. in about 1½ seconds. (Utility fans rejoice!!) The mode of each channel is also recorded. . .AM-FM-LSB-USB-CW (no retuning is needed with this rig—except for touch up.) Each memory is also a separate VFO. . .you can recall a memory and tune up or down. (You can assign one VFO to each band and quickly and easily check parallels.)

FREQUENCY SCAN: 3 speeds, channel "9" and "0" sets your lower and upper limits. By using the scan in the slow, 50 Hz step speed, you can easily and automatically sample the band WHILE AT THE SAME TIME READING OR DOING WHATEVER!! In fact, you can hear each station for 2-10 seconds as it scans by. You also have plenty of time to stop the scan right on the station. AMAZING! GREAT!

OTHER DATA: Main manual tuning unsmooth, but very fast; noise blanker does help on the woodpecker, at times. Controls are excellent, good workmanship. S meter good but hard to read. Band "up" and "down" buttons fast. I would say that the R-2000 is a good set to have next to your DX-type rig, although the R-2000 should be OK for DX, especially monitoring broadcast and utility stations. Price of the radio is about \$500 discounted. Good besides the ICOM-IC-R70 or FRG-7700 or whatever.

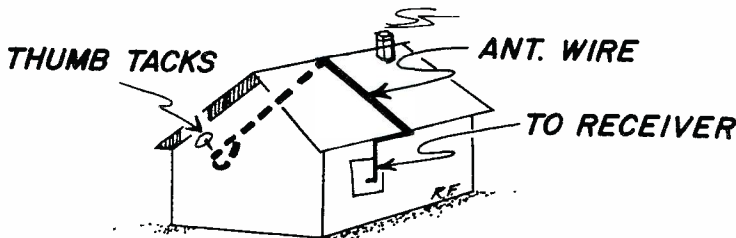
I may also mention that there is a VHF converter jack on the back of this set. It is now possible to automatically scan, in 10 channels, from 100 Hz to 174 MHz (?) with this one radio. I forgot to say that the rig has a two-speed AGC. Kenwood has done what Sony or Bearcat should have done a long time ago. There should be more good radios to follow now that major ground has been broken with the ICOM and R-2000 super sets.

THE BASIC INVISIBLE ANTENNA

by Robert L. Forrester Jr., KS

This antenna is very easy to construct. It only requires some colored insulated wire, and a few thumb tacks. No. 14 gauge wire is ok. The antenna can be constructed in about 20 minutes time.

It's based on the old throw the wire out of the window trick, but in this case we'll use



the throw it over the top of the house trick. You'll want the wire to be the same color as our house or apartment. This will help make our antenna invisible as it will blend in

with the color of our building and be hard to see. Simply throw your wire over the top of your house (Be careful not to hurt anyone) and use the thumb tacks to tie one end of the wire down. Simply connect the other end to your receiver. Please, please do not throw your antenna wire over power or electrical wires. You only have one life and each year many people lose their's by installing antennas (TV, CB, hams and SWL's). No antenna or receiver is worth losing your life. Be careful and be safe. This antenna works. Some readers will laugh at this article, some will over look it. Others are too sophisticated, too advanced, but some of us simply don't or can't put up a decent antenna. This antenna will help get the job done. You might want to add an antenna tuner.

.....
 ICOM CORRECTION

by Ronald Pokatiloff, IL

In my review of the ICOM IC-R70 I said that you can tune in a station on exalted carrier SSB with the 10 Hz button and all such signals will be automatically tuned. THIS IS FALSE! As far as I can tell, if the sideband alignment

is perfect, the SSB will come in automatically with perfect pitch. This does not have anything to do with the 10 Hz setting. . .but is applicable when you use the 100 Hz and 1 kHz tuning. On my set, the USB alignment was correct, but the lower sideband was low in pitch. Lately, the USB is moving up in freq. (Obviously, you can manually fine tune with the RIT (delta) tune or 10 Hz.) It appears as if the rig needs re-touching after initial use. After a month, I still love this et. You will like it more as you get use to its complicated operation. You see the intelligence that went into the features and control layout. GREAT RADIO!!

|||||
BOOK REVIEW

REVIEW OF A BBC PUBLICATION

by Ken L.A. Burgess, Canada

The BBC has put out a lot of print material over the past years—particularly in their monthly publication LONDON CALLING. But the best comprehensive material about the World Service as a whole is in a booklet called Voice For The World—The Work of The BBC External Services.

It explains how the BBC was started, first of all as a commercial company by a consortium of British radio manufacturers who wanted programs available so people would buy their sets. The first Director-General, Lord Reith, wanted to keep the monopoly then enjoyed in order to bring the people what he thought they should hear, not only what they wanted.

In the years previous and during the Second World War when other countries were starting to broadcast in foreign languages, the BBC undertook this too, with the first foreign language broadcast being in Arabic. Further languages were added: German, French, and Italian to accommodate the varying political climate at the time. This was also the time for honing the editorial responsibilities of the BBC, and fine-tuning the neutrality in delivering news and in-depth stories.

The section Reporting the World enlarges upon and analyzes specific steps the BBC World Service takes to ensure accuracy and an unbiased opinion in reporting. This takes you through a step-by-step handling of a specific story. A BBC newswriter and editor certainly has a very demanding task indeed; needed to preserve the reputation for accurate reporting.

The general qualifications for work in the BBC Monitoring Service at Crowsley Park include: A university education, multi-lingualism if possible, good ears, fast note-taking abilities, an enrollment of a three-month training course, and two years on the job before full monitoring proficiency is realized.

The day-by-day operation of the monitoring service is broken down, and the speed at which that operation sometimes moves. An interesting fact is that not only does the Monitoring Service listen to other peoples radio, but there is a dish antenna at Caversham Park for keeping an eye and ear on television and radio broadcasts from satellite.

The sub-heading entitled Linking the World deals with co-ordinating the programming from studio to transmitters; relay stations and possible future plans, combatting of jamming, and a small discussion on the relation between frequency and wavelength.

The BBC also produces both audio and visual presentations of English language lessons. This covers the field of beginning English all the way to studies for those who have some knowledge of the language but need a greater ease of using it in business and industry.

The BBC Transcription Service is discussed; and the range of recordings cover plays from Shakespeare to modern British authors; comedy programs, panel games, and book

readings. Despite a multitude of other international broadcasters giving away their transcription material, the BBC charges a small sum for theirs and still has subscribers for it.

Listener's letters are quoted in part, giving pro and con comments and sometimes advice about various BBC departments, especially news.

The last section of this booklet, almost totally pictorial, puts faces to the names of those you know not only from the World Service, but from all other language sections as well.

For the size of the booklet—sixty pages—overall general coverage is excellent. One complaint: The world map showing relay stations doesn't mention Sackville, New Brunswick; which makes me wonder: is Sackville not mentioned because it is the only relay the BBC uses that is owned or at least controlled by another broadcaster?

The cost of the book is one pound fifty. Catalogues from the BBC Transcription Service and BBC publications are also available. At least I received these by request. Otherwise, I'm not sure whether they send them out with the booklet or not. (Adapted from a broadcast over RCI's SWL Digest. ed.)

PROPAGATION

GRAY LINE DXING

by Bob Flick, MO

There are two periods each day when the DXer can anticipate increased opportunity for receiving DX signals. In the morning twilight (just before and after sunrise), signals from west of the receiving station will increase while signals east of the receiving station will decrease. The opposite effect is noted at sunset; signals from east of the receiving station increase, while signals from west of the receiving station will decrease. This effect is called Gray Line propagation or Gray Line DXing. A simplified explanation for this phenomenon follows.

Of the four ionized layers that influence and result in radio wave propagation (D, E, F1 and F2), the D layer causes the greatest absorption and attenuation of radio signals. This layer forms rapidly at sunrise—attains maximum density at noon—then slowly decreases until sunset when it quickly dissipates.

At sunrise there is no D layer west of the receiving station. As the sun rises, the D layer starts forming above and to the west of the receiving station. While these ionization layers are low; signals propagated west of the receiving station are refracted in a manner that results in a longer skip than normal. These signals arrive at the receiving station. Meanwhile, signals transmitted east of the receiving station are absorbed by the D layer and do not arrive at the receiver's antenna. At sunset, signals west of the receiving station are absorbed by the D layer while signals from the east are refracted by the dissipating D layer.

There is also much evidence that radio signals are bend, then ducted along the gray line to the receiving station. These effects are so great that signals can be transmitted and received almost all the way around the world.

How much time the DXer has in the morning and evening gray line depends on the time of the year and location of the DXer's station. The gray line effect lasts longer in the winter and lasts longer the further the DXer is located away from the equator. In the United States we can expect about an hour in the morning and an hour in the evening of gray-line DXing. It seems to me, I get my best results from sunrise to shortly after sunrise and from shortly before sunset until sunset.

A useful operating aid that shows the sunrise-sunset path for each month of the year is The DX Edge. Presently selling for \$14.95 post paid in the USA. Available from: The DX Edge, P.O. Box 834, Madison Square Station, New York, NY 10159.

SOLAR FLARES EFFECT RADIO RECEPTION

by Virgil Carlson, WA

Solar flares occur on the surface of the sun in the vicinity of active sunspots. Actual photographs show that a solar flare is an explosion of hydrogen gas that builds up in a complex group of sunspots when the heat and pressure becomes so great as to burst through the surrounding magnetic field.

Supersonic shock waves from these hydrogen explosions speed across the solar surface at a 1000 miles a second raising the temperature of the sun's corona to one or two million degrees. The expanding shell of gases escaping from the sun forms what is known as the solar wind.

The fast moving atoms, electrons and ions escaping from the sun extend over the entire solar system. During times of maximum sunspot activity, the solar winds increase in size and intensity. The earth's magnetic field shields us from the main impact of the solar winds by trapping the majority of the atoms and electrons. The electrons and ions that do get into the earth's upper atmosphere, however, are the direct cause of radio reception problems.

An effect of increased ions and electrons in the earth's atmosphere, one that can be seen, is the Aurora Borealis or Northern Lights. This also includes an increased density of electrons in the ionospheric layers near the north pole that resist passage of radio waves. This is very important to us as shortwave listeners in the Northern Hemisphere because a good percentage of our reception comes across the far northern regions. A bright flare greatly disturbs the ionosphere in general, causing the condition where radio waves are completely absorbed on the sun-lit half of the earth. Such an occurrence can completely block long distance radio reception as we have witnessed over the last few years. All such severe happenings and changes in the earth's upper atmosphere produces changes in the earth's normal magnetic field known as magnetic storms.

High sunspot activity can be either good or bad for long distance radio transmission and for the shortwave listener depending on the sunspots' effect on the ionosphere and the earth's magnetic field. (References: Donald H. Menzel, Astronomy and The Encyclopedia Americana.)

STATION REVIEWS

THE VOICE OF HOPE, LEBANON

by David Sharp, FL

After coming under fire 32 times and surviving four infiltration attempts in the past three years, the American-backed Voice of Hope evangelist radio station in Lebanon has just come through its toughest battle yet—and emerged stronger than ever.

Since the start of Operation Peace for Galilee last June, the station, sponsored by High Adventure Ministries, has increased its staff and its Arabic programming, added an FM frequency, a half hour daily program in Hebrew, and a second Russian language program on SW. In addition to beefing up the radio station, High Adventure sank almost \$750,000 during the war into a "Lebanon Aid" program.

I recently received a letter from the president of High Adventure Ministries, Mr. George Otis, in which he stated, "I have just returned from Lebanon, where one of the greatest Christmas stories of love has happened. Our Lebanon Aid outreach was able to bring gifts of new wool blankets, Arabic Bibles, candy, frisbees, and food supplements to the children and their families. (25,000)!" This is certainly an outstanding accomplishment!

Other activities in progress or immediately pending include: 2½ tons of medical supplies, 3400 prescription glasses, 25,500 new blankets, and feeding more than 20,000 needy. And this is only a partial list.

The Voice of Hope was established three years ago by George Otis. Operating out of an old French customs building in the region's Valley of the Springs, two miles north of Metulla, Israel, The Voice of Hope helps to communicate hope to the people of the area and present some measure of entertainment.

A picture of Major Sa'ad Haddad, Commander of the Southern Lebanon Christian militias, hangs next to the Lebanese and American flags in the studio, but "We're an independent stations," says disc jockey Gary Hull. "Our goal is not to be the "Voice of Haddad" but the voice of encouragement."

As such, the station has been, and will continue to be "a target for terrorists," according to Chuck Pollak, vice president of the broadcasting network. "We're working toward peace, using the word of God as a tool. That runs counter to the aims of terrorism."

When the Lebanese war broke out in June, the station debated whether to whittle down broadcasts to minimize the danger to the staff or go on the offensive. They chose the latter, increasing broadcast time from 19 to 24 hours a day, upping scripture readings to six one-minute periods an hour, and crash-course trained new DJ's, two of whom subsequently became permanent staff.

In the midst of the war, the long-planned FM frequency became a reality. The war also provided The Voice of Hope with the opportunity to prove itself a reliable news source. Being where the action is, so to speak, 165 radio stations worldwide picked up the feed by WORDS reporters. It is interesting to note that even the VOA used feeds from this station. Today, there are about 400 stations taking feeds.

Current equipment employed at the Voice of Hope include: a two tower directional antenna system; the directional system was designed by Elder Engineering Ltd, and the 200 foot towers were donated and erected by US Tower Co., Oklahoma. Studio equipment was designed and built by McCurdy Radio Industries, and two Sintronic 10 kw transmitters were selected, because they incorporate a fully solid-state RF driver system and a synthesized exciter.

For those SPEEDXers wishing to hear this station, I suggest trying 6215 kHz around 0400. The High Adventure Broadcasting Network may be reached at: Box 7466, Van Nuys, CA 91409; Box 425 Station "E", Toronto, Ontario M6H 4E3 Canada; or c/o Arazim Hotel, Metulla, Israel. Special thanks go to the High Adventure Ministries for providing the information covered in this article, along with The Israel Weekly Newsmagazine and the Los Angeles Times.

BACKGROUND INFORMATION ON TIFC I recently wrote to TIFC in Costa Rica, and the people there were nice enough to send some information I would like to pass on to SPEEDXers.

TIFC operates as an interdenomination Christian enterprise; it has a broad ministry that crosses denominational lines. The station does not have the financial backing of any particular religious group, but instead relies on listeners for contributions.

TIFC was the first non-commercial radio station in Costa Rica. Recently celebrating its 33rd anniversary, TIFC is still ranked the most popular of the three cultural stations in Costa Rica.

One might think TIFC is limited to ministerial activities. However, this is not the case. The station often gets involved with public service activities, especially in times of national emergency brought on by earthquakes or floods. The most recent marathon broadcast was to raise funds to help victims of the war in Nicaragua.

The staff of TIFC numbers about twenty. Most equipment in the station has been recently replaced. The FM stereo station control room, transmitter, antenna, and monitors are completely new, and are of the highest quality, as befits the most powerful FM station in Costa Rica. The transmitter producing the most listener response is the 5 kw installation on 60 meters. Originally planned to cover Costa Rica, this transmitter is TIFC's best signal in most parts of the world.

FROM THE PAPERS

AFGHANISTAN CLANDESTINE RADIO: The January/February Monitoring Times has an interesting article on Radio Mujahedin—a clandestine radio station which is called the Voice of The United Muslim Fighters of Afghanistan. It is heard on 15460 kHz in Dari and Pushtu from 0100-0200. The transmitters are suspected to be in Egypt. The Mujahedin resistance also has established some clandestine mobile transmitters and have vowed to destroy the Russian backed Radio Kabul. (Via John Taylor, MO)

UN RESOLUTION WOULD LIKE TO BAR DIRECT BROADCAST SATELLITE SIGNALS: A UN committee has approved a resolution barring direct broadcast satellite television signals across international borders without the prior consent of the receiving country. This resolution is backed by Communist and Third World countries. The US and its Western allies oppose the resolution because it is contrary to free-speech, free press guarantees contained in the first amendment as well as article 19 of the UN Declaration of Human Rights. (Via John H. Demmitt from Broadcasting Magazine, Nov. 29, 1982)

BBC 50TH ANNIVERSARY: Many newspapers have been carrying articles about the 50th anniversary of the BBC. If interested, I will refer you to three such items. You will find good overviews of the BBC's impressive history in the Dec. 19, 1982

Philadelphia Inquirer; Dec. 19, 1982, Harrisburg Patriot-News; and the Dec. 20, 1982 Los Angeles Times. (Via Jack Somers, CA and Lawrence Wagner, PA)

KYOL: The December issues of Billboard and Broadcasting Magazine have articles about KYOL. KYOL is a new American-owned station located on Saipan. It is licensed by the FCC and operates with 100 kw of power. It will broadcast contemporary hit music 24 hours a day to Japan. The aim of the station is to compete with Japan's government owned broadcasting stations. The station will be commercial in nature and all announcers will speak English. At the moment, Seiko watches and Sony are among the first to buy time on the station. (Orla Reise, KS and P. Thompson, CA)

ICOM R70 REVIEWS: The February 1973 issue of 73 Magazine, pp. 103-104 has an in-depth review of this new rig written by Walt Lewandowski. Also, the 1983 WRTVH has devoted 2½ pages to this receiver in its receiver review section of course written by Larry Magne. All reviews seem to be very enthusiastic about this new receiver. (Jack Somers, CA)

TIDBITS

NAME CHANGE: As of January 1, 1983, R. Peking is now R. Beijing. The reason for this is the fact that in 1979, China's State Council decided to use the Chinese

phonetic alphabet to Romanize Chinese names and places. However, R. Peking temporarily retained its old name so as to allow time for shortwave listeners to get use to the new Romanization of Chinese names and places. (David Claytor, MI)

IN MEMORIAN: RICHARD PISTEK: The Review of International Broadcasting (Dec. 1982, p. 6 and 9) contains two remarkable and touching memorials to a truly dedicated DXer, the late SPEEDXer Richard Pistek. They were prepared by two intimate friends, SPEEDXers Dave Newkirk and Terry Klasek. (Incidentally, the latter received all of Richard's numerous radio, QSLs, bulletins, pennants, etc.) (Dave Maxfield, MI)

BRT MANNERS: Belgium Radio and Television (BRT) was my favorite station until I moved from Boston to San Diego. I can't pick them up at all now, even with the new ICOM R-70. When I inquired to BRT, they told me they only beam to the east coast and if I wanted to hear them, I should move back! Somehow it seems a little snobbish for the BRT to completely ignore us folks out west. I took my case to Vim Frison, Assistant Adviser of International Relations, suggesting they broadcast on alternate days to the east and west coasts. If any other DXers out west would like to hear Belgium, then write to Wim at BRT, Aug. Reijerslaan 52, Brussels 1040 and let him know. It might influence them if enough write in. (Allen Rising, CA)

A SELECT LISTING OF EE SW BCB'S BY TIME: This listing, compiled by SPEEDXer Gerry Dexter appeared in the Feb. 1983 Popular Communications (p. 54-5). Hopefully, this feature will be repeated at regular intervals. However, it should be expanded and improved; for it does not yet measure up to the standard set by SPEEDXer Glenn Hauser's by-time listings in Computers and Electronics. (Dave Maxfield, MI)

RECEIVER SURVEY: On January 6th's R. Nederland's Media Network, a survey was published based on 1982 reception reports received by R.N. English section from around the world except India, lists the top 10 receivers "used". This does not mean the "best," but the most popular used by R.N. listeners.

1. Yaesu FRG-7700
2. Sony ICF-2001
3. Yaesu FRG-7*
4. Radio Shack DX-302*
5. Kenwood R-1000
6. Radio Shack DX-200*
7. Grundig Sat-3400
8. Panasonic RF-2900
9. Panasonic RF-2200
10. National Panasonic RF-3100

* indicates now discontinued

Jonathan Marks commented that despite the worldwide recession, people seem to be spending more on SW receivers, but added that this is necessary due to the overcrowded

bands and the need for better equipment.

HAM MAGAZINE: Such magazines are well worth browsing through! For example, the Jan. 1983 73 Magazine offers nots only a nifty article about the BBC, but another about how heat sinks will preserve your transistors, and still another giving how-to-do-it specifications for "shielded loop" HF antennas that kill many types of RFI, while letting desired signals through. A useful regular feature are four simplified HF propagation prediction charts covering every hour of each day of the current month. (Dave Maxfield, MI)

CROSSCURRENTS: This NHK program is asking for comments from listeners on topics which they are enclosing in each program schedule. R. Japan welcomes listeners to write for programs so they may voice their opinions which will be used for future programs. (Demmitt, PA)

SCAN MAGAZINE: This magazine is published bi-monthly by the Scanner Association of North America, Suite 1212, 111 E. Wacker Drive, Chicago, IL 60601. Subscriptions of Scan Magazine is included with Scan membership. Membership dues are \$10.00 per year in North America. (Mark Murphy, NY)

ODDS AND ENDS: First, per the January SPEEDX index. Many members have been asking headquarters for back issues in order to get a look at those fabulous articles. Unfortunately, and with regret, we are unable to supply any back issues now or in the future. Sorry. Secondly, two months ago, I advertized the availability of various schematics by Bob Flick. One being a helically wound vertical antenna and the other being an antenna switch. These two diagrams are 20¢ each. That is 40¢ all together. Several members sent in 20¢ for both. Sometimes, we all misunderstand. It's human. Thus, I sent both diagrams to those people. However, let me reiterate. These diagrams (and they are still available) are 20¢ each. And lastly, we are in need of someone who can write on a regular basis feature articles on the uses our hobby can make of home computers. Our members are dying for such articles. Qualification: Extensive knowledge of computers as well as being a good writer. Any volunteers?

ARTICLES NEEDED: In the last several months, we had some pretty good features. However, my supply has dried up. We need contributors to this section. It's up to you. You may write about anything. However, technical articles are always most appreciated by the membership. We will all be looking forward to hearing from you. That's it folks. Another month gone. Have a pleasant Spring and, as usual, 73's,

Arthur [Signature]

CONTRIBUTORS LIST:

MARCH 1983

Edited by Mark Koukol, P.O. Box 321, De Kalb, IL 60115

Hats off to the 183 members that contributed to the March SPEEDX! That is definitely a record total since I've been doing the column; actually, there are a whopping 201 SPEEDXers listed, but 18 of those were for credit exclusively from last month. All columns are in this month except Asia/Oceania.

Contributions including, wholly or in part, credit from last month are marked by an asterisk. Sections other than WH/EU/AF/AO/QSL/UT/Skeds are not credited here, but directly by the membership chairman.

4*	ADDISON, Joe	KS	R-600	1*	GREENWALD, Jeff	WY	DX-100
1	AKED, Roger	FRANCE	NRD-515	5	GRIJALVA, Gabriel	AZ	SPR-4
1	ALEXANDER, Brian	PA	FRG-7700	1*	GRISHIN, Ivan	ON	?
1	ALEXANDER, Rodney	IA	SPR-4	2	GROSVENOR, Norman	CA	FRG-7
3*	BARTO, Sam	CT	?	3	HALL, Stuart	CA	DX-300
1	BAXTER, Kirk	KS	?	2*	HARDESTER, Mike	NC	R-1000
1	BEAL, Hobart	WA	R-4C	6*	HARRELL, Rich	IL	RF-2900
4*	BERRI, Jason	CA	RF-2900	1	HARRINGTON, Frank	MA	?
3	BLAKE, Jerry	IN	FRG-7700	1	HARTUNG, Jim	MD	DR-7
1	BOVEE, Gene	MN	FRG-7700	1	HATTAN, Chris	NZLD	?
1*	BURKE, Lynn	VA	SPR-4	6	HECHT, Bob	PA	RF-4900
4	BYRON, Leslie	PA	Pat. 9	5	HENSLEY, Wayne	TX	RF-2600
1	CAMPBELL, Cornelia	DE	R-1000	8*	HESCH, Ruth	NY	R-1000
6	CARD, Peter	RI	NRD-505	4	HILL, Elaine	SC	FRG-7700
6*	CARLSON, Virgil	WA	SX-190	1	HOLBROOK, Hank	MD	HQ-129
1	CASAVANT, Richard	PQ	DX-200	1	HORVITZ, Robert	RI	?
1	CHABAK, Mike	AZ	HQ-180	3	HOSMER, Don	MI	RF-3100
2*	CHINSKY, Mark	NY	RF-2600	4	HOTALING, Stan	NV	RF-2800
1	CLAYTOR, Dave	MI	R-1000	1	HOWARD, Ron	CA	SB-310
3	CLEMMER, Paul	KS	?	1	HOWARTH, Chet	WA	SPR-4
1	CLEVELEY, Russel	NY	DX-160	2*	HUFFAKER, Carl	MEX	Homebrew
1	COLEMAN, Bob	MA	FRG-7	1*	HYDZIK, Jim	DE	R-1000
1	CONWAY, Peter	UK	51J4	2	JAMES, Tom	FPONY	ICF-7600
5	COUTERMARSH, Jim	VT	DX-300	3	JOHNSON, Dan	CA	DX-302
3	COX, Jim	CA	?	1	JOHNSON, Fred	IL	RF-2200
3	COYLE, Chris	PA	WR-1500	1	JOHNSON, Howard	TX	R-1000
2	CRAIG, Cal	OH	SW4A	1	JONES, Brian	TX	DX-302
1	CRAWFORD, David	FL	?	2*	JONES, David	VA	5-15-1A
2	CREAMER, John	CO	R-1000	1*	JONES, Jack	MS	R-600
4	CUNNINGHAM, Larry	OH	FRG-7700	1	KANA, John	GA	?
7	DAMPIER, Philip	NY	R-600	2	KANON, Lee	NY	FRG-7700
5	D'ANGELO, Richard	PA	NC-190	1	KANOPKA, Leon	NY	DX-300
7*	DEMMITT, John	PA	Homebrew	2*	KAPINOS, John	MA	FRG-7
5	DROLLINGER, Rick	WI	HQ-160	4	KARNS, Sherman	OK	DX-100
1	DUCOS, Pierre	FRANCE	?	1	KERR, Ian	UK	?
3	DUGUAY, Rick	MA	?	1	KLINGENFUSS, Joerg	FRG	R7/NRD515
6*	DUNCAN, Gregory	NC	DX-302	6*	KONEN, Mark	WI	R-1000
1	EVANS, James	TN	RF-2200	4*	KRIST, Kraig	VA	FRG-7700
1*	EWING, David	IL	FRG-7	3*	KROLAK, Eugene	MI	FRG-7700
4*	FAMULARO, Ralph	NJ	RF-2800	1*	LANGLOIS, Harold	GA	NC-98
3*	FISHER, John	MA	GPR-90	1	LAZARUS, Henry	LA	SX-190
1	FLANNAGAN, Melvin	VA	DX-302	1	LEARY, Robert	OH	FRG-7700
1	FLICK, Bob	MO	DX-300	1	LEDFORD, John	NJ	?
1	FLYNN, E.R.	MD	?	3	LEITE, Steve	MA	HQ-180A
4	FORBES, Lew	TX	FRG-7	5*	LEONARD, Mike	ME	R-1000
2	FORREST, Frank	CA	DX-302	1	LEWALLYN, Robert	GA	DR7
2	FORSMAN, Scott	CA	?	1	LINDLEY, Terry	AL	DX-300
2	FORSMAN, Stan	CA	R-392	3*	LOBDELL, Chris	MA	FRG7000
4	FRASER, Robert	MA	XCR-30	4	LORD, Earle	CA	FRG-7700
3	GALLAGHER, Ray	MA	DX-302	3*	LUCAS, Richard	CA	R-1000
1	GARRETT, Larry	CA	?	6*	MCCANTS, Don	AL	RF-2299
1	GAVARAS, Tom	MN	HQ-180	1	MCCURDY, Robert	PA	?
1*	GEORGE, Charles	TX	SSR-1	3*	MCKEON, Thomas	IN	?
4	GILSTER, Paul	NC	IC-R70	2	MCKINSTRY, Mike	VA	?
1	GREENBAUER, Dan	AZ	RF-2800	1	MCLAIN, Lois	CA	SPR-4

1*	MCLEOD, Jerry	OR	?	1*	SMITH, Traver	CA	NRD-505
5*	MILLER, Bill	CA	DX-300	2	SOMERS, Jack	CA	IC-R70
4	MOMAN, Don	AB	R-7	2*	SPARKS, Bill	CA	R4B
1	MOORE, Alex	UK	R-7	4	SPEER, Richard	CA	RF-2900
3	MOORE, Michael	TX	DX-302	1*	STARK, Chris	NB	ICF6800W
2*	MORRISON, Lewis	NC	R-600	4	STARR, Tim	GA	DX-302
1	MOSHIER, George	CA	?	3*	STEIN, Rick	NJ	FRG-7000
3	MURPHY, Mark	NY	ICF-2001	6	STEPHANY, Nolan	NY	R-392
8*	MUZYZKA, William	NY	RF-4900	1	STOCK, Len	CO	FRG-7000
1	NEAL, Sam	TX	RBC5/75AY	4*	STONE, Wilfred	ON	FRG-7000
2*	NIKOLICH, Mike	IL	HQ-180	4*	SUGAI, Kazuhiro	JP	RF-1330
1	OSTERMAN, Fred	OH	NRD-515	1	TANAKA, Masahiko	JP	R-1000
1	PAGANO, Frank	DC	Racal	4	TATE, Harold	WV	Sears 412
4	PALMER, Bob	WA	IC-R70	5	TAYLOR, John	MO	DX-160
4	PARKS, William	FL	HRO-60	1*	TAYLOR, Lyle	AZ	FRG-7700
3	PAUL, Don	AZ	FRG-7700	2	THOMPSON, Glenn	NM	FRG-7
4*	PETTINGILL, Roger	ME	NRD-515	5	THOMPSON, Peggy	CA	FRG-7
1	PHILIP, Joyce	BC	CRF-5100	6	TIMOFEEV, Alex	LA	ICF-2001
4	PIATELLI, Mario	CA	IC-R70	1	TRAGER	CA	?
3	PICARELLI, Thomas	CA	FRG-7	1	TYLER, Tim	MI	R-1000
1	POKATILOFF, Ron	IL	R-1000	4	UERLINGS, Jim	OR	?
1	PRINGLE, Charles	CO	R-1000	4	ULMER, Doug	LA	R-1000
4	PROVANCE, Terry	OH	R7/FRG7	2	UPCHURCH, Dennis	IN	RF-3100
2	RADTKE, Carl	CA	SPR-4	8*	VALENTINE, Fred	CA	IC-R70
1	RANKIN, Robert	KS	R7	3	VAN HORN, Gayle	TX	RF-3100
3	RAY, Richard	PA	FRG-7700	1	WALEGA, Gene	OH	R-390A
1	RAYMOND, Greg	MA	FRG-7000	1	WARD, Henry	PQ	FRG-7000
1	REINECKER, Bob	PA	NRD-515	1	WETTERSTEN, Phil	OH	RF-2900
4	RISING, Allen	CA	IC-R70	4*	WIEBOLDT, Bonnie	FL	DX-300
5	ROBICHAUD, Ivan	NB	R-1000	1*	WILCZEK, Bob	IL	DX-160
4	ROBINSON, Betsy	TN	ICF-2001	1	WILDMAN, Richard	WV	IC-R70
5	ROSS, Robert	ON	FR-1015	3	WILKINS, John	CO	R-1000
6	ROUSSEL, Roger	NB	R-1000	1*	WILKNER, Robert	FL	FRG-7700
1*	RUCKMAN, Robert	OH	?	1	WILLIAMS, John	MN	ITT301002
3	RYEDER, Redd	FL	GE-WMII	1	WILSON, David	PA	RF-2600
4	SABLE, Tom	NY	ICF-2001	1	WIMMERS, Bernie	VA	R-1000
4	SAMPSON, Dan	WI	?	4	WINKELMAN, Bruce	OK	SPR-4
2	SCHLESINGER, Mark	TX	FRG-7	1	WITTE, Marjorie	CA	FRG-7
2	SCHULSINGER, Mike	OH	FRG7/R390A	4	WOOD, Stephen	LA	DX-300
4	SHAMBLIN, Bill	CA	RF-2200	1	WORMWOOD, Emil	NY	?
6*	SHARP, David	FL	HQ-129X	3	WOROB, Philip	TX	DX-160
4	SHARPE, Bryan	CA	DX302/DX60	1*	YAJKO, Robert	PA	SPR-4
1	SHEPHERD, Greg	IL	DX-300	3	ZILMER, Bob	NM	R-1000
1	SHERWOOD, Linda	MA	DX-160				
2*	SHOROCK, Don	KS	ICF-2001				
3	SIENICKI, Steve	NJ	DX-200				
1	SILL, John	MA	?				
6*	SMITH, Tom	FL	XCR-30				

Thanks to Tom Sable, Mark Konen, Tony Kobylski, Phil Dampier, Leslie Byron, and Roger Pettengill for writing re corrections/receivers. Several members have asked about how to obtain the "WDX" calls. Roger Pettengill sends the information that Hank Bennett, the originator of the program, has this address, according to the 2nd edition of The Complete SWL's Handbook: Hank Bennett, P.O. Box 3333, Cherry Hill, NJ 08034. Send return postage for complete info concerning the calls, which, you may remember, began with the "WPE" program via Popular Electronics magazine.

Thank you for the tremendous support shown this month for the March SPEEDX. Keep up the good work!

73s, Mark W0X9JKV/WB9FKP

Due to the lack of space here the monthly ads will start on page 26!

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