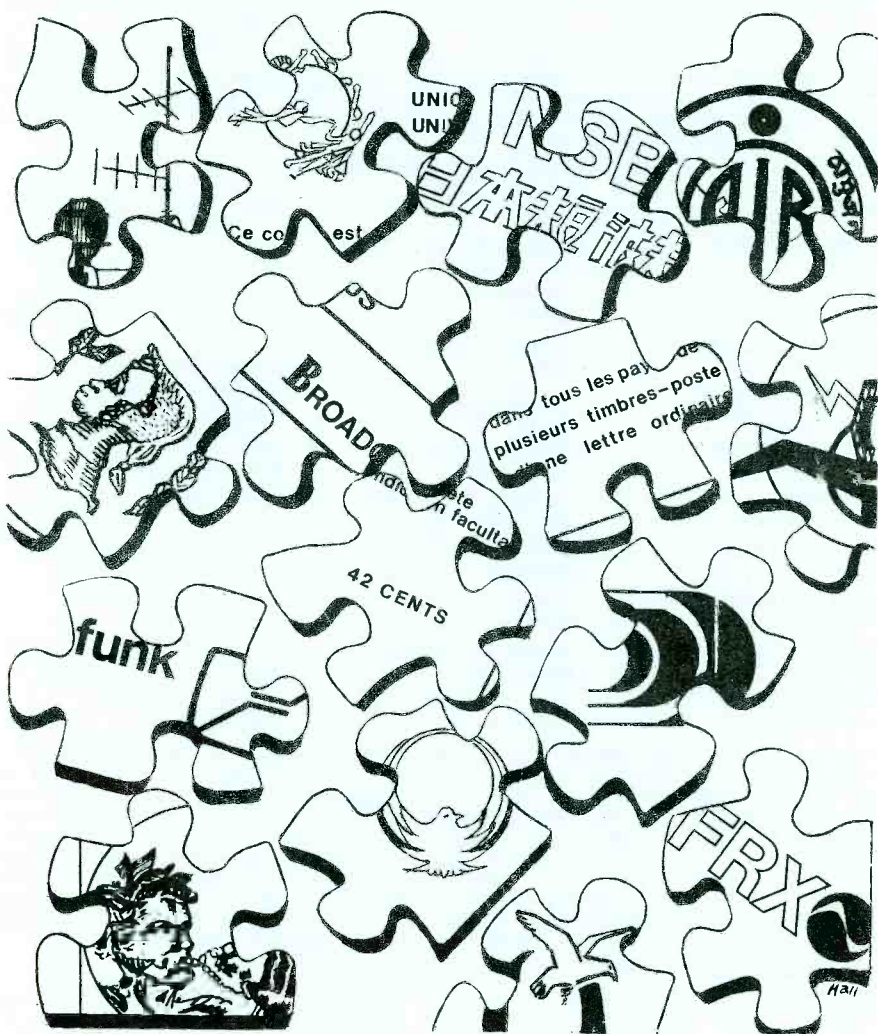


SPEEDX

SPEEDX

the dx radio magazine
for active shortwave listeners



Mar. 1982

Vol 12 no 3

PUBLISHER ANNOUNCES COMPUTERIZATION OF SPEEDX MAILING LIST

The "Computer Age" for SPEEDX has arrived! Beginning in a month, you will see new address labels affixed to your copies of the SPEEDX magazine. Our President and Publisher, John Trautschold, is entering the entire membership list into a computer for mailing purposes. Eventually, the Contributors List, found at the back of each issue, the yearly Membership List, and other SPEEDX data, will be handled by the computer. Once the entire membership data base is stored on a disk, the possibilities are endless. Further information is up-coming. We ask that you keep a watchful eye on your magazine and that you report immediately if you don't receive your copy, if your name or address or any information on your label is incorrect. In any major switch from one system to another, there always is the possibility of error, no matter how careful we are. So again, please let us know. The next issue should be on the computer, so watch for it.

HANDICAPPED AID PROGRAM-USA SEEKS YOUR HELP!

HAP-USA desperately needs a few people to tape SPEEDX for the blind. A good cassette recorder and a clear speaking voice are needed. If interested, write to the HAP Asst. to the Pres., Ruth Vollrath, 432 N. Lyon St. Marshall, MO 65340, or phone her at (816) 886-6585 (NO Collect Calls). Also needed are old time radio programs for the HAP Library, either copies or original tapes. If an original, loan it to HAP which will make a copy and return it to you, paying postage both ways. They'll be happy with anything, but particularly want Fibber McGee & Molly bcsts of 12/24/46 and of 12/18/49. QTH as above. You'll be thanked by very nice folks!

MAYDAY - HELP - SOS (WELL, NOT REALLY) PERHAPS, 'ASSISTANCE REQUESTED'

John Vockeroth would like to meet with DXers from the Philly & South Jersey areas, especially one who would help him make or install an antenna for his SX-190. He'd like to swap QSLs & pennants, too. His QTH is 10 Murray Hill Dr., Atco, NJ 08004. Bob Coomler wants to hear from anyone with LW/BC/SW DXing experience with an ICOM-720/720A transceiver. QTH 207 E. 45th Pl. Kennewick, WA 99336. William Dunham taped the R Netherlands 28 Jan. bcst of a computer program for the 2X81. He can't make it run. He'll pay the tape & mailing costs for a copy from anyone who was able to run the program. QTH is 2105 Giuffra Ave. #A, Metairie, LA 70001. And all three say THANKS!

WORKS AT R BUCARAMANGA -- WANTS PEN PAL

Bill Parks told Peggy Thompson who told this Editor that Sr. Jose E. Navarro, Apt. Aereo 157, Bucaramanga, Colombia wants to correspond with someone in the U.S. who would like to exchange postage stamps and postcards. He's a part-time employee of Radio Bucaramanga so he should be an interesting pen pal. Why not drop him a line?

ANOTHER EE SW LISTENING GUIDE

A dandy 24-pager "Guide to English Shortwave Programs" reached this Editor in Feb. and between 0200 and 0500 GMT he logged nine different countries to check its accuracy. The two listings, one by country; one by time, give Station, Target, and Frequencies. It's a mighty handy computer print-out. Single copies go for US\$2.50, and the year's six issues for US\$12.00 Available in North America only. Make checks payable to Dan Ferguson, P.O. Box 8452, South Charleston, WV 25303.

MORE BOOKS 'THAN DOAN HAS PILLS'

Don Erickson's Century Print Shop carries nearly the complete line of TAB and Sams publications of interest to SPEEDXers, and a multitude of other books and magazines for hobbyists, including some back-issues. For their current price list, send a legal size SASE to Century Print Shop, Donald Erickson, 6059 Essex St., Riverside, CA 92504-1599. It's worth it!

WANT A GOOD 'EQUIPMENT REVIEW'? SDDXC HAS IT!

The International DXers Club of San Diego offers not only its Equipment Review, but also 1982 Supplements "A" and "B", and a fascinating publication, Random Ramblings. These booklets are clear, comprehensive and highly readable. The price schedule, however, is too long to be printed here. For information, send a SASE to Larry Brookwell, 1826 Cypress St., San Diego, CA 92154.

THE EDITOR GLADLY YIELDS his usual third page to HAP this month. Items thus omitted will be squeezed in next month. In the meantime, 73, *Ken*



HAP PENINGS

HANDICAPPED AID PROGRAM

JAMES A. CONRAD
545 Kirkwood Avenue
Waterloo, IOWA 50701



SUPPORT WORLD DX HANDICAPPED AID CAMPAIGN

I'll begin this edition of the HAP-USA Report with thanks to the following stations and organizations for contributing to the HAP-USA fund-raising effort: CFCW/CKRA Radio, Edmonton, Alberta (Faye M. Holte, Promotions Director); Radio Deutsche Welle (P. Senger); Capital Radio 194, London, England (Rona Martin, Promotions Dept.); Radio Hallam, Sheffield, England (Mike Rouse, Publicity Mgr.); Radio Aire, Leeds, England; Radio Tees, Leveland, England (Tony Horton, Managing Director); Radio Tashkent, USSR (Mrs. Dilorom Karimova); Benelux DX Club (Arni Bretveld, Treasurer).

Tom Haskett, Midwest Supervisor of HAP-USA sends the following information as well: "HAP wishes to thank the following stations and broadcast organizations for their support of the program with donations of promotional items: KRLA, WLS AM/FM, WRQX, WMRT, KSAN, WRXL, WPLX and WXRT.

Special thanks to AnnMarie Stepovy of WLS for her continued support, concern and cooperation with HAP-USA.

HAP-USA wishes to thank the Tradewinds Radio Reading Service for the Blind for their donations of over three-hundred records to be sold at auction by HAP-USA. Tradewinds director, John R. Ghrist, and Tradewinds engineer Brent C. Burris also donated and helped in producing the HAP-USA Public Service announcements that are aired on WGVE's SGA channel at 88.7 MHz FM. Tradewinds presents an excellent and invaluable service to the Northern Indiana area with talking books programming, along with readers of the local newspapers and magazines. If you are interested in this service or in Reading Service Stations like this, write to John R. Ghrist in care of Tradewinds Radio Reading Service for the Blind, 1800 East 35th Avenue, Gary, Indiana 46408.

Sam Barto, HAP-USA fund-raising chairman recently sent HAP-Australia a check for \$450 (U-S) to help them with their activities. Most of the money came from sales from sales from the HAP auction and were sales to Australians. That is, Australians bought the items up for bid or direct sale. Therefore, the money was sent back to Australia through HAP-Australia.

And now for the commercial. I would appreciate receiving information from HAP-USA members AND ANYONE ELSE, FOR THAT MATTER, with news of interest to the handicapped community. The address to send information to is: JAMES A. CONRAD, 545 KIRKWOOD AVENUE, WATERLOO, IOWA 50701. This column can only be as interesting as the membership want it to be. Now back to our program:

I haven't mentioned the HAP-USA cassette library for a while, so now's as good a time as any.

HAP-USA has a total of eighty-nine cassettes on its list of material available. There must be something of interest to you on this list, so I would remind you that the list is available from headquarters at: HAP-USA, ROUTE FOUR, BOX 32, ROLLA, MO. 65401.

That's all for this time. Til September enjoy your summer and I hope to see many of you at this year's ANARC Convention in Montreal in July! Til next time take care one and

4 all. ———jim conrad—————

PROGRAM

MARCH 1982

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

PANORAMA

Welcome to March! Before we begin, here's an announcement. Due to an ever-increasing backlog of program schedules and contributions, there may be a delay in the printing in the contributions sent by members. However, every effort will be made to avoid printing outdated material. Priority will be given to fast-breaking developments and changes in the programming area. Schedules which do not change will not printed any more often than every three or four months. We hope that these policies will enable us to bring you a fresh and informative column each month. Comments and suggestions are always welcomed. (WS)

AUSTRALIA...THE BODY PROGRAM is an interesting series which can be heard over Radio Australia Sat 2340, Sun 0540 & 1140 GMT...SPECTRUM is a varied program for both the dedicated shortwave listener and the novice "dial twister" hosted by Dick Speakman. It can be heard on the first Sun of each month at 0612, 0810, 1612, 2112 and the following Mon at 0330 GMT. (Jerry Blake, IN & John H. Demmitt, PA)...SPECTRUM to move to fortnightly as from 3/82, DX tips in the next edition a distinct possibility. (Bob Padula, Australia in FRENCH (NASWA) "Listeners Notebook", edited by Glenn Hauser, February 1982)

BRAZIL...Radio Nacional do Brasil has the following English schedule: 1900 GMT on 15125, 17805; 0200 GMT on 15290, 17830. Programs include: Mo-Sa WEATHER REPORT, NEWS, MUSIC, LETTERS; Mon-Fri BRAZILIAN SCENERY (actualities, arts, facts in everyday Brazilian life); Sat THE MAILBAG; Daily Feature Program--Mon THE NATIONAL ECONOMY Tue SPORTS IN BRAZIL Wed ACROSS BRAZIL IN 6 MINUTES Thu OUR PEOPLE AND THEIR STORIES Fri THE NATIONAL ECONOMY Sat THE MAILBAG, ANNOUNCEMENTS; Sun features SUNDAY SPECIAL, a feature which takes up the entire broadcast during that day. Selected Brazilian music and information features are presented on alternate Sundays--one Sunday features music, the following one information. (Thanks to David Claytor, MI)

ECUADOR...HCJB broadcasts in English to Europe daily from 2130-2200 GMT on 21480, 17790 and 15295 kHz. Programs scheduled are: Sun RENDEZVOUS, SOUNDS OF THE TIMES, ENCOUNTER; Mon DX PARTY LINE; Tue QUIZ TIME; Wed TELLING THE TRUTH; Thu SAY IT WITH MUSIC; Fri CHORDS OF LOVE, MUSICA DEL ECUADOR; Sat DX PARTY LINE. (Stephen From, UK)...DX PARTY LINE can be heard on Tue and Sun(GMT days) to North America at 0230 GMT(15155, 9745) and 0630 GMT(17915, 9745, 6095). (J. Demmitt, PA)

GERMAN DEMOCRATIC REPUBLIC...Radio Berlin International has a good MAILBAG program on Sundays following NEWS and COMMENTARY. The letters answered correspond to the area beamed for transmission. Besides acknowledging reports and letters, the announcers play song requests. RBI broadcasts to Southeast Asia at 0645, 0730, 1215, 1330, 1515 GMT and to the Far East at 0815 & 0945 GMT in the 13 and 16 meter bands. (Thanks to Seth Reames of Japan for this information.)

GERMANY(FEDERAL REPUBLIC OF)...Deutsche Welle has resumed the publication of a North American edition of its English program magazine "Hallo Friends after a five-year absence. The issue dated 1/82 features an article on the program GERMANY TODAY and a schedule of programs for the North American English broadcasts at 0100 and 0500 GMT. Here is the schedule as given: Daily NEWSCAST; Mon-Fri MICROPHONE ON EUROPE, a current affairs magazine featuring comments, press reviews, analyses and reports in events in Germany and Europe, as well as "Germany Today"; Sat has COMMENTARY OF THE WEEK, POLITICAL REVIEW OF THE WEEK, SCIENCE MAGAZINE, alt. every 2 weeks with SOCIAL AFFAIRS MAGAZINE, LEARN GERMAN BY RADIO: THE BAUMANN FAMILY; Sun features LETTER FROM BONN/BERLIN, CULTURAL AFFAIRS MAGAZINE, MAILBOX(1st Sun), MUSIC. (Direct) DW has a monthly German program schedule available free. (Morris Pfeffer, NY)

LIBYA...Radio Jamahiriyah, The Voice of the Socialist People's Libyan Arab Jamahiriyah has begun a nightly English broadcast which can be heard in North America. The transmission is scheduled from 2300-2400 GMT on 11815 kHz. On a recent broadcast heard on a Sunday, the following programs were heard: 2300 SIGN ON, SCHEDULE OF PROGRAMS; 2304 READING FROM THE KORAN; 2309 THE AMERICAN INVASION(a history of CIA); 2326 EXCERPT FROM THE GREEN BOOK; 2343 PRESS REVIEW; 2350 MUSIC; 2357 SIGN OFF, NATIONAL ANTHEM. It makes for interesting listening, even though you might not agree with everything they say. (WS)

MALTA...Xandir Malta's program MALTA CALLING is one of the best variety program on the air. The program consists of the beautiful, but not well-known, Maltese music, as well as interesting feature programs on Malta and the Maltese people described by native Maltese announcers. Even though this program is not well-publicized, it is well worth listening to. The news is not(as good as that of) the BBC, but it is sufficient to keep you up with the world and Maltese news. Tune in every Fri night/Sat morning at 0700 GMT on 9670. The program comes on directly after the VOA signoff and the signal is pretty good, so listen in! (Randy Moss, CA)

PHILIPPINES...Radio Veritas to Southeast Asia from 1130 15210 kHz. Programs which THE TEMPLE INVISIBLE, WHATS THE WORLD; Mon-Fri ENCOUNTER, TAKE A MINUTE, NEWS, as well as Mon ASIAN MEMORANDUM, Tue WALK WITH ME Wed CINEMA FOR ASIA Thu LET'S MAKE FRIENDS Fri LEARNING FOR TOMORROW; Sat programs are THE NOW SOUNDS, SPORTS NEWS, TAKE A MINUTE/NEWS. (John Demmitt, PA & Chris Stark, NB)



Asia broadcasts in English to 1200 GMT on 9605, 11770, can be heard include: Sun IN A SONG, THE CHURCH IN OUR CHANGING WORLD, as Mon ASIAN MEMORANDUM, Tue WALK WITH ME Wed CINEMA FOR ASIA Thu LET'S MAKE FRIENDS Fri LEARNING FOR TOMORROW; Sat programs are THE NOW SOUNDS, SPORTS NEWS, TAKE A MINUTE/NEWS. (John Demmitt, PA & Chris Stark, NB)

PUBLICATIONS..."Guide to English Shortwave Programs" is a computerized listing of English programs organized in two lists--one by time and one by alphabetical country order. These schedules are published 6 times a year, in Jan, Feb, Mar, May, July, Sept and Nov(that's 7 issues-WS). Single copies may be obtained for US\$2.50 each. A subscription is available for US\$12.00 for 6 issues. Available in North America only. Make check or money order payable to Dan Ferguson and order from Dan at P.O. Box 8452, South Charleston, WV 25303.....Don Erickson of Century Print Shop, 6059 Essex Street, Riverside, CA 92504 sends a copy of his latest flyer, which contains news of the many publications available from that business. Write and ask Don for a copy of it.

UNITED KINGDOM...BBC World Service features in March a series of dramatized stories from O. Henry, the famous American writer. Tune in Sat 1030, Tue 1430, Fri 2330 GMT for this good series.....In April, a series of 10 stories of the supernatural begins in the same time slots as the O. Henry series. HAUNTED is the name of these chilling dramas. Be sure to tune in.....THE BRIDGE OF SAN LUIS REY is a radio adaptation of Thornton Wilder's novel in eight parts, beginning in April. Tune in Mon 0430, Tue 0815, Wed 2315, Thu 1015 GMT.....THESE MUSICAL ISLANDS and NEW WAVES return in April. The former is a series of traditional British songs, hosted by Jim Lloyd. Tune in Sat 0830, 2030, Sun 0330, Wed 1430 GMT. The latter series features a quite different kind of music--**BBC** broadcasts to the world - and listens to it too!
New Wave. Host Ian Birch can be heard with some modern sounds Sat 0430, Mon 1115, Tue 2315, Fri 0730 GMT. (London Calling, 3/4 1982)

USA...WRNO was heard testing in late January for 3 or 4 days. Transmissions included IDs, Dixieland music and the station's rock theme song "We Are The Rock." The broadcasts were short in duration. Regular programming should begin shortly(after final FCC approval). (Thanks to J. L. Jamieson, CA; also heard by WS).....KGEI broadcasts mainly in Spanish, but you can hear them in English daily at 2131 GMT on 15355 kHz with the program HAVEN OF REST. (Marge Witte, CA)

Next month, we'll have more information for you! *Woody* 2/20/82



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

"CONSULTATION"...Recently I have received a few telephone calls asking for help in the design of circuitry and construction of items associated with the computer field. Although this editor encourages the readership to write in asking for help, construction, design and repair problems cannot be handled on a "consultation" basis without charge. This is the basis for "Bayoutronics". Bayoutronics offers repair and limited modification services at this time. Consultation services, are not offered, (or at least not solicited!) and if they are, a retainer will be required after initial inquiries. Please don't let this scare you off! I'm still available to handle the everyday "How do I hookup my antenna tuner..." or, "How can I improve my reception with adevice?" etc...etc... All I ask is that you send your request in writing with either a self-addressed, stamped envelope OR 40¢ in stamps. (Overseas requests send stamps of your country for 1 oz. overseas airmail) NO IRC's please!!! (I'm a stamp collector) If you want a radio repaired or modified, I'll be glad to talk to you on the telephone about it, BUT I prefer a letter, as often times I am working nights, and am not home.

SONY ICF-2001X...Rumors persist of a modified SONY 2001X which is a model with, reportedly, two degrees of selectivity. This editor personally has gotten this information from a Chinese radio operator who has reportedly reliable information from a friend in Singapore. Again, I report that this is a RUMOR! SONY U.S.A. has repeatedly denied that a rework of the 2001 is in the works. I hasten to add that it will probably be more expensive, if indeed, it does exist! So don't delay buying one because of a rumor. They are at a lower price than ever.

LARRY MAGNE has some very interesting reports on some of the newer sets in his continuing series in the back section of the latest World Radio and TV Handbook (1982 Edition). You will find data on the Drake R4245, RACAL series, Collins 451S-1, Drake R-7A, JRC NRD-515, McKay/Dymek DR-101-6, Panasonic RF-9000, Panasonic RF-6300, SONY CRF-1, and YAESU FRG-7700. Larry always presents an interesting "review" that often pulls no punches. In fact, at times, he gets downright "picky"! (We should, if we are spending \$1500-3000 and MORE for a set!!) This section is worth the money of the WRTVH alone, if you are contemplating one of these sets!

GILFER ASSOCIATES in Park Ridge, New Jersey, is in the process of publishing a new "Confidential Frequency List". The new Edition will be about 160 pages and sell for \$9.95. This is a "must" list for the Utility DXer!! What you might call a "poor man's" ITU list in one compact volume. This book deals with CW, SSB and FAX stations. A companion volume on RTTY (radioteletype) stations is also being revised. Write to them at: P.O. Box 329, Park Ridge, NJ, 07656 and enclose 25¢ to cover postage and handling for their latest catalog. Say you saw it in SPEEDX!

RADIO WEST...There has been tales going around that Radio West has had some difficulties. To date, all the information I have had has been second or third hand. I have not heard from Grant Manning for some time and I do not know what their current status is. They have not advertised in the latest WRTVH as well. I would appreciate hearing from anyone having first hand information as to the demise of Radio West.

FOR SWAP: ...latest editions of the following ITU Lists...Coast Stations, Ship Stations, Call Signs with supplements. Only a very limited number of these available from the Technical Topics editor. These volumes deal with stations in the maritime service (ships etc.) and are usually very expensive. They are NOT FOR SALE. I will SWAP for various publications commonly available. If you are interested, please write, it will be worth your while.

PRESELECTORS, H.F., V.L.F., etc.... Can you purchase a preselector that will perform well from VLF (10 khz.) thru HF (30 Mhz.)?? NOT REALLY! Most of the preselectors perform well in the SHORTWAVE range (3-30 Mhz.) But one that will do so often will be a dismal failure in the VLF-LF range. The fault often times is not the preselector, but the type of antenna used! (For those preselectors that DO tune this range of 10-300 khz!!)

One might think that on VLF/LF that the longer the antenna the better. This is NOT necessarily so in many instances. Signals in the VLF range can run hundreds to thousands of microvolts!!! So can the ambient noise levels such as power line "leaks", atmospherics (static) etc. The trick for good VLF/LF reception is to pick an antenna and antenna site that provides the best SIGNAL-TO-NOISE ratio. Forget about trying to achieve very high gains or receiver sensitivities, except under certain conditions. Experiment with different antennas FIRST! I am getting consistently better reception of OMEGA signals on 10.2 khz. with an amateur band vertical antenna (Newtronics 4BTV "Hustler") mounted 20' up and fed with RG-8/U 50 ohm coaxial cable than a 125' random wire 30' high. Radiobeacons and such on 200-400 khz come in better as well. Note that OMEGA antennas on ships use short (15') whips with a matching transformer built into the base of the antenna, and LORAN-C (100 khz) antennas pretty much consist of the same configuration. One thing that cannot be overemphasized is the importance of a GOOD GROUND at VLF/LF frequencies. This can make the difference of hearing a signal or not. Also something to remember is even antennas several hundred feet long are very short in relation to these wavelengths. Another factor is the distance above the ground or "earth". One exception to this is the "beverage" antenna, but the beverage will be several THOUSAND feet long in this region to be at all effective. The "LOOP" antenna can and is a very effective VLF/LF antenna, but its efficiency is low (especially the ones with Faraday shields). These require preamplification of some sort. Most "BOX" loops of open construction, need no additional R.F. amplifiers in the upper LF range or MF range (200-2000 khz.) Loops are also very effective in "nulling" out noise or interfering signals if used properly. The Loop is not very well suited for the SW range as signals tend to arrive from many directions at once via the ionosphere, rendering out their directivity. A loop with a preamplifier can be regarded as sort of an "active" antenna.

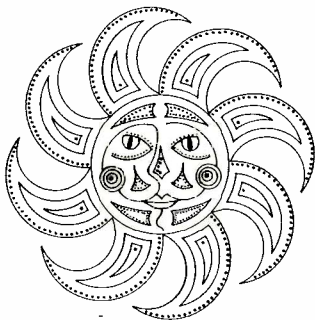
"Active" antennas (such as the Datong etc.) generally are useful down to 100-200 khz., but not into the lower LF (30-100 khz.) or VLF (10-30 khz) range. The SW range is where these devices shine and do their stuff. Bear in mind that an indoor "active" antenna is often not equal to an outdoor 'inactive' wire! Do NOT expect a miracle cure to your reception problems from an "active" antenna!!! Intelligently used, they are wonderful devices, but used in a slip shod manner, they can be a receiver "overloader". Don't add a lot of extra length to the whip or wires that come with the device, as often times this will upset the circuitry's design parameters introducing "spurs", overload and other undesirable things. The rule always is: If it is working well, don't tinker with it. If you persist in the tinkering, you'll surely screw things up! Simply stated: Don't mess with the innards unless you know what you are doing! Finally, if you want to hear that elusive station you haven't heard before, try listening at a different time. Going to bed very early and listening in the early AM before the sun comes up, will reveal many diverse things. Try it, you might like it! There is no cure for not hearing a station that simply is not being propagated to you via the old ionosphere!!!!

Not ANY preamplifier or antenna or super set!

COMMENT: Do you have an idea? Perhaps just a simple question? Maybe some new way of using something old that no one has written about before? Whatever it might be (subject to the limitations set forth in the "Consultation" discussion above) please write and let us know about it. Remember that this is YOUR column and needs YOUR contributions. Just one letter can generate a whole Technical Topics column. Maybe that letter will be the one you write! If you hear about a new receiver or get a new brochure send it in.(or a copy thereof) Let everybody know what is going on!

Best of DX to you all until next month.....73!

Jandy



SPEEDX

Western Hemisphere

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Deadline: 12th

All times and dates UTC, All fqys in kHz

MARCH 1982

RESPONSE TO THE QUESTIONNAIRE

I must say that I am delighted with the response to the questionnaire included with your January issue of SPEEDX. Up to the present time, there have been more than 300 replies, an almost 30% response rate -- unheard of in most direct mail campaigns. I congratulate all of you on your diligence and your concern with the future of SPEEDX.

To those who have not yet returned your questionnaires I hold out hope -- there is still time to make your voice heard. Fill out your questionnaire and mail it to me before April 1st. Your voice will be heard. Indeed, after coding (i.e., making the open-ended responses to question 3 into a form which the computer will accept), I have tabulated more than 270 questionnaires for question 3 and have sent the preliminary results to President John Trautschold. There is every indication that on several counts there will be discussion among the Board members before the final tabulation of the questionnaires has even taken place.

So, make sure your voice is heard by the Board of Directors -- and remember that every person who sends in a questionnaire gets 2 free membership credits, good toward full membership in SPEEDX (the credits will be applied in April; you must identify yourself on the questionnaire in order to gain the credits but the responses will be totally confidential; after tabulation, no one will be able to attach your name to a specific set of responses and the original questionnaires will be destroyed.) Since I will not separate the questionnaire from the envelope it came in until after tabulation, you can put your name on the envelope only and I will pick up your name from there and apply the membership credits to you, leaving the questionnaire blank for your name and address.

Again, thanks to all who have taken the time to return their questionnaires, and thanks also to those who will now fill them out and return them.

THANKS ARE DUE ALSO TO FRANK COX, OF LOUISIANA, FOR HIS DILIGENT REPORTAGE ANENT WRNO. Tests were conducted late last month for a week or two, and there seems to be every indication that WRNO will go on the air permanently shortly. We await further developments with bated breath.

CONGRATULATIONS SHOULD ALSO GO TO JACK JONES, FOR HIS CARRYING OFF OF THE SPEEDXER OF THE YEAR AWARD. Jack, who is a great guy, is also a good DXer (the qualities do not automatically go together). We salute him, and his impending retirement from the Mississippi Highway Department, into greater achievements in DXing.

WESTERN HEMISPHERE UPDATE. There has been some controversy (not in these pages, but in the pages of FRENDX, RIB, and the 'pages' of DX/SWL Digest) about a supposed logging of 'R. Demerara' in Guyana. According to Glenn Hauser, in last week's (2/7) SWL Digest report, his correspondent in Guyana reports that there is no longer any Guyana station on 5980 kHz, the frequency in question. Now that that's settled, let's send him to find Nibi-Nibi!

YOU SHOULD ALL HAVE YOUR WRTH'S BY NOW. It is little changed from last year's, although Mr. Sennitt has relented, I see, and has re-included the smallest Canadian SW station, CKFX (6080) and it still lists Radio Swan in Honduras (albeit as inactive). The Listen to the World section contains, inter alia, a section surveying receivers few of us can afford, a section on how to ruin international broadcasting (hi!), and a section on WRNO. Look at the ad for RFE/RL on page 13, and you will see a printer's note, in German, reproduced in living color on the right-hand margin. No, it is not a secret message to double agents behind the Iron Curtain! Dave Walcutt, who works for RFE/RL, was quite incensed over it. Page 584 has about 16 column-inches of white space -- perhaps they could have found a picture to stick there??? Yet to be discovered: will this year's edition fall to pieces??? Stay tuned for details.

TODAY IS PRESIDENT'S DAY, SO LET'S GIVE A BIG "THANK YOU" TO PRESIDENT JOHN TRAUTSCHOLD FOR HIS YEARS OF SERVICE TO SPEEDX.

Well, now, remembering that loggings with no language designation were heard in SS (or in PP if they are Brazilian stations), I present . . .

SOUTH AMERICA

ARGENTINA

- 9690 0110 R. Argentina, wx report in EE by YL for areas of Argentina, mx fanfare, then complete ID w/ time&fqy. Mx bridge, then cmt on UN disarmament commission. (Since they don't yet have the Atom Bomb, I'd guess they're against it. ch) (322 w/ QRM, 1/5. Cunningham, OH)(0100; 434; 1/15. Lord, CA)(0100, 343; 1/20. Zilmer, NM)(0106, 413; 2/6. Greenwald, WY)
- 11710 2345 R. Argentina, political tlk by YL, ID as R. Argentina Exterior (I thought they changed it.mz)(They did -- it used to be 'Radiodiffusion Argentina al Exterior'; they referred to it as 'RAE' (the acronym). Now they refer to it as simply 'R. Argentina.' ch)(fr; 1/11. Zavatsky, CT)(0120; 433; 1/23. Stone, ON)(2340;444; 1/17. Evans, TN)(*0100;433;1/22. Pickard, IL)(2315;332;1/14.Alexander, NC)+1
- 15290 0055 R. El Mundo, OM w/ rhetorical readings (crowd answers him)(religious? ch) Several IDs @0100 (333; 1/5. Moman, AB)

BOLIVIA

- 4730 0235 R. Abaroa, LAm ballads, campesino mx, ID by OM @0255 (fr; 1/25. Parks, FL)
- 4796 0315 R. Nueva América, 0328 full ID w/ fqya, MW/SW/FM, phone requests for mx (343 1/5. Connell, CA)
- 5045 0951 R. Altiplano, Indian/SS; spoken px w/ occasional EZL mx to ID, nx @1002, QSB and QRM by R. Cinco on 5040 (? Hasn't been reported in a while. Did Rioja show up? ch)(332; 1/28. Schlesinger, TX)
- 6106 1059 R. Panamericana, IS, mx, s/on, freqs., "Bolivia presente," px of mx; strong @ s/on, but dropped fast. (444; 1/24. Wilkins, CO)

BRAZIL

- 2320 0235 R. Oito do Setembro, Soccer play-by-play by OM, QRM, some QSB (fr/pr; 1/27. Parks,FL)
- 2380 0251 R. Evangelica, OM evangelist, gospel mx in EE, un-copy-able s/off amnt, 0300* (fr/pr; 1/27. Parks, FL)
- 2490 0233 R. Educ. Coarã, s/off amnts by OM, NA, 0226* (fr/gd; 1/27. Parks, FL)
- 3375 1040 R. Nac. São Gabriel, PP version of "Women in Love," other vocals; OM ancr (252; 1/24. Wilkins, CO)(0910; PP chipmunk; 343; 1/22. Huffaker, MEXICO)
- 4835 2305 R. Nac. Boa Vista, OM tlk, IDs (322; 1/31. Fischer, PA)(As some of you know, John is my counterpart with another SW club -- he has edited their Americas column for many years now. Glad to see your contributions again, John!)(0931; 233; 1/16. Alexander, NC)
- 4885 0235 R. Clube do Pará, OM w/ U.S. pop mx, ID @0244, strong CW QRM (322; 1/23. Ray, PA)(2240; 332; 1/31. Fischer, PA)
- 4895 0952 R. Baré, PP singing, very lively. OM w/ ID, several mentions of Manaus, too. (343; 1/15. Moman, AB)
- 4915 0130 R. Anhanguera, OM ancr, few IDs, U.S./U.K. pops. (222; 2/8. Kivell, NM)
- 4985 2309 R. Brasil Central, OM tlk, Brazilians in first most evenings (222; 1/31. Fischer, PA)(0250; 433; 2/5. George, TX)
- 5045 0745 R. Cultura do Pará, OM tlk, had a coughing fit. Into accordian mx (I always felt accordian mx was very similar to a coughing fit. ch)(444; 1/9. Ross, ON)(0725; 1/31. Sarkisian,??)(0128; 0129* suddenly; 343; 2/1. Fischer, PA)+1
- 5055 2249 R. Maua, lively PP vocals, very few interruptions (332; 1/31. Fischer, PA)
- 5965 2343 R. Guaiba, tlk, ID by OM, time pips @2345, classical mx interludes between amnts (I am told that advertisers view programs in this light--simply interludes between ads. ch)(343; 1/4. Moman, AB)
- 6000 2309 R. Inconfidência, U.S.-style pops w/ ID @2317, badly hetted (222; 1/16. Schlesinger, TX)(0000; 333; 1/5. Moman, AB)(2300; 222; 1/14. Alexander, NC)
- 6035 2310 R. Globo, tlk by OM/YL w/ mx interludes, ID @2330 (fr; 1/22. Parks, FL)
- 6045 2356 R. Clube Paranaense, lcl mx @2356, IDs, fqys, John Denver mx @0001, then back to local mx (232; 1/11. Potorti, NV)
- 11805 2352 R. Globo, conversation & IDs, hrd well until buried by Moscow @2359; 433; 1/16. Schlesinger, TX)(0003; gd; 1/11. Zavatsky, CT)
- 15192.3 0103 R. Inconfidência, rock mx, ID, impinging on R. Japan, 15195, but 454 (1/16. Pickard, IL)(15190, 0000, 'Sonido do Belo Horizonte' (Sound of Belo Horizonte); 555; 1/16. Connell, CA)
- 15290 0225 R.Brás, EE, S.Am. mx, frequent IDs (434; 1/5. Bellard, OH)(0200; 555;2/4; Averill, MA)(*0200; 544; 1/16. Schroeder, WI)(0300*, 455; 1/25. Ulmer, LA)(0120; talk on 'colonization' of Brazil, 454; 1/24. Forbes, TX)(0200;444;1/17. Drew, TX)
- 15445 0031 R.Nacional de Brasília, 20m. w/ sx px (Should be '2 Oms w/ sx px' -- my eyes are playing tricks again. I might even see R. Demerara at this rate!.ch)(544; 1/20. Thompson, CA)(0025; 544; 1/12. Van Beurden, CA)(Ted is leaving the U.S. to serve a term with the Air Force in Italy. Good luck, Ted; remember, being in Europe is no reason to give up DXing!.ch)

BRAZIL / -- (CONTINUED)

17830 *0159 R. Brás, EE, sked, mx, "For Your Listening Pleasure" (555;1/30.Krist, VA)(0245; mailbag; 444; 1/13. Byron, NY)

CHILE /

6150 0330 R. Nacional de Chile, rock & roll mx, amts by OM, LAm pop mx (fr/gd. 1/17. Grijalva, AZ)(1032; TCs (GMT -3), plugs for Banco del Estado; 433; 1/27. Jones,MS) (0102; 433; 1/24. Ulmer, LA)

15140 0303 R. Nacional de Chile, ID, mx, OM ancr (1/27. Sarkisian,??)

I HAVE JUST ABOUT GIVEN UP PERSUADING PEOPLE THAT THE SOUTH AMERICAN COUNTRY'S NAME IS SPELLED "COLOMBIA" RATHER THAN "COLUMBIA". Good spelling is important, not only on your logs, but also on your reports. It shows you are somewhat interested in their country, not just fishing for a QSL. I don't mind terribly (I always spell it with an 'o', anyway) but some stations are odd about such things. Also, referring to the United States of America as simply 'America' will get you a black eye south of our border -- Central and South American countries rightly insist that they are also part of 'America'. You will often hear the U.S. referred to as 'Estados Unidos de Norteamérica'. Mexico is also named 'Estados Unidos' (E.U.Mexicanos) and is counted as part of N.America by Latin Americans.

COLOMBIA /

4785 0308 Ecós del Combeima, OM/YL talked to 0315, then mx. (Was there an ID? ch)(343, 12/25. Earhart, PA)

4815 0040 R. Guatapurí, OM ancr, chimes, several IDs. LAm mx (433;1/17. Stone, ON) (0200; 444; 2/5. Thompson, NM)

4845 0339 R. Bucaramanga, LAm pop mx, lots of MOR-type slow songs, IDs between mx, full ID several times by OM/YL. See you manana. 0356* after NA (333; 1/13. Ross, ON) (0215; gd; 1/16. Parks. FL)(0330; 453; 1/30. Munster, CA)(According to several reporters, this station is not regular here. ch)

4855 1015 R. Neiva, TCs as 0520, OM ancr, LAm vocals, ID @1020 (232; 2/6. Fischer,PA) (1033; 443; 1/27. Schlesinger, TX)(1033; 333; 1/9. Ross, ON)

4865 0100 LV del Cinaruco, mx, t1k (222; 2/8. Vogelmann, NY)

4875 1059 R. Super de Medellín, ID, pop LAm mx, ballads, considerable QSB(342; 1/10. Jones, MS)(0945, 322; 2/6. Fischer, PA)(0825; very good; 1/13. Zavatsky, CT)(0500; 333; 1/27. Connell, CA)(0630; 544; 1/14. Famularo, NJ)(0525; 1/31. Sarkisian,??)

4945 0732 R. Colosal, LAm mx, songs running into each other w/ OM ancr giving the titles of selections over first few secs. (244; 1/17. Alexander, NC)(0415; disco mx; 432; 2/6. Kramer, VA)(0745; 555; 2/1. G.Raymond, MA)(0445;1/26.Sarkisian,??) (0904;233;1/30.Miller, CA)

4965 0315 R. Santa Fé, polka mx, (vocals in Swedish), greetings to listeners around the world w/ multi-language IDs (454; 1/27. Connell, CA)(0522;fr;1/22.Zavatsky,CT)

?5050? 0359 LV de Yopal, partial ID by OM prior to 0401*, gave fqy and ment. Colombia & S.Am.; station name lost to RTTY QRM. Presume Yopal as has been reported here in N.Am. (I wonder whether Jesús del Gran Poder was in this evening??? ch)(pr; 1/15. Parks, FL)

5095 0320 R. Sutatenza, full ID @0320, LAm mx followed, many ments of Bogota (333; 1/30. Harvey, PQ)(0100;1/6. Sarkisian,??)(0159;423;1/21. Maki, ON)(0230; 444; 1/12. Michael, PA)

6035 *1016 R. Transamazónica, ID, fqys, by OM, then HJ NA, vocals tunes w/ TC between each selection, ments, of Caracol, very poor modulation/severe het (1/25. Lobdell, 6065 0720 R. Super, LAm-type mx, IDs, ads. (444,2/1. G.Raymond, MA) //MA)

6085 2345 Ondas del Darién, LAm instrumentals, waltzes, DJ chatter. Full ID as "Emisoras Ondas del Darien en Turbo" (gd; 1/15. Parks, FL)

6115 0928 LV del LLano, clear IDs, Super promos, full ID w/ fqys, QTH. (Fischer, PA) (0905; 555; 2/1. G.Raymond, MA)(333; 2/6. Kivell, NM)(0517;433;1/25.Famularo,OR)

6150 0410 LV del Huila, LAm mx, IDs @0421/0450 w/ electronic sound effects, (333; 1/31. Connell, CA)(0631;322;1/13.Moman, AB)(0705;1/31.Sarkisian,??)

6160 1035 Emis. Nueva Granada, mx, lots of OM talk, nx (443;1/9. Alexander, NC)(0628; 333;1/13. Moman, AB)(0700; 1/31. Sarkisian,??)

15503 2254 R.dif. Nacional de Colombia, modern classical mx, talks by OM @2254, chimes, then full ID on the hour w/ MW fqy and call. Good level, but horrendously distorted audio. Not pleasant to listen to (unless you have your BFO on -- it's in SSB. ch)(333; 1/29. Cunningham, OH)(15503.9, 0455; 0500*, //15333.6; 551; 2/8. Brown,IL)

I GUESS I'M GETTING THROUGH. Only 7 of the above loggings spelled "Colombia" with a "U". However, one lost soul spelled it "Culumbia," thus ruining my day. (hi!)

ECUADOR / (NOT "Equador" or "Equidor" (horrors!))

3220 0200 HCEB, Quechua, unidentifiable px (what about an ID? ch)(222; 1/21. Maki,ON) (0935; LAm ballads, ID by OM; gd; 1/10. Zavatsky, CT)

3240 1101 R. Antena Libre, 'anthem' (not HJ NA), ID, mx. Did not hear any mention of 'Cultural' or 'Mundial'. (Note: the logging last month IDed this station as "R. Mundial Antena Libre". It has also been IDed as "R. Cultural Antena Libre". ch) (342; 2/5. Jones, MS)

3252 1025 LV del Triunfo, ID, many ads, mx de Ecuador (343; 2/5. Jones, MS)

- ECUADOR -- (CONTINUED)
- 3260 0050 LV de Río Carrizal, campesino mx, ID by OM @0055, weak RTTY UTE QRM (fr/gd; 1/25. Parks, FL)
- 3280 0030 LV del Napo, noticias by OM, mentions of Napo + Ecuador, KO'd by UTE OC prior to formal ID (fr; 1/20. Parks, FL)
- 3390 1037 R. Zaracay, LAm vocals, OM TC/ID, more mx (433; 1/23. Thompson, CA)
- 4680 0130 R. Nacional Espejo, OM talk, orchestra mx, vocals, IDs (343; 1/24. Thompson, NM)(0510; 1/31. Sarkisian,??)
- 4801 0525 R. Popular Independiente, campo mx w/ frequent IDs, some CW QRM (423; 1/17. Schlesinger, TX)(0920; wiped out by Lara carrier @0948; 322; 1/24. Wilkins, CO)(1009; 232; 2/6. Fischer, PA)
- 4870 *1041 R. Río Amazonas, Indian, soprano w/ choral back up. Rendition of NA (all 15 stanzas, seemingly), followed by 2 men in unid. animated conversation about something (The death of the soprano from exhaustion, perhaps? ch)(444; 1/21. Jones, MS)
- 4920 0135 R. Quito, fast mx, (parts of many songs played) IDs (322;2/8. Vogelman, NY)
- 4960 0200 R. Federación, full ID @0200, soap opera (fr; 1/16. Parks, FL)
- 75045? 0638 R. Macuma???, TC, ID as "R. Macuma" 0702* w/ NA (whose??? HC??? ch)(322; 1/28. Huffaker, MEXICO)(I have never heard of any logging of a "R. Macuma". Perhaps, Gentle Readers, you have a suggestion for us?? ch)
- 5050 *1022 R. Jesús del Gran Poder, opening anmts, lengthy version of NA (I have never heard a version of the HC anthem that wasn't lengthy. Even the short versions are lengthy. ch)(444; 1/13. Jones, MS)(1050; Rosary; 333; 1/22. Huffaker, MEXICO)
- 5060 0310 Sistema de Em. Progreso, station ID by OM @0311. Lively LAm mx (322; 1/30. Harvey, PQ)(1004; 343; 1/13. Schlesinger, TX)(0430; 333; 2/2. Shamblin, CA)(0411; ad for clinics; 444; 1/29. Huffaker, MEXICO)
- 6095 0630 HCJB, EE, DXPL repeat DX px better than earlier release (454; 1/12. Moman, AB)
- 6130 0855 HCJB, EE, religious talk, ID/fqys. to So. Pacific (333; 1/8. Ross, ON)
- 9715 1148 HCJB, Japanese, tlk by YL, 1200* (554; 1/21. Miller, CA)
- 9745 0035 HCJB, EE, 'Musica del Ecuador,' show (444; 1/24. Harvey, PQ)(0127; Passport; 544; 1/19. Marshall, AZ)(0500; 323; 1/15. Cady, IL)(0058;444;1/30.Krist, VA)(0138; 444; 2/6. Greenwald, WY)(0458;555;2/2.Shamblin,CA)
- 11835 0235 HCJB, RR, mx, ID, (343; 1/25. Forbes, TX)
- 11915 0547 HCJB, EE, OM, religious mx, (very poor - QRM)(222; 1/11. Mountain, BC)
- 15155 0230 HCJB, EE, DXPL, talked of first radio bc: 12/24/06 (555; 1/12. Alexander, NC)(0245; 554; 2/5. Kramer, VA)(0450; conversation with Englishwoman whose husband just died (Gee, imagine HCJB taking a page out of 'Eyewitness News's' book! ch. I understand that Newscaster would have interviewed St. Lawrence on the gridiron if they'd been around then.); 444; 2/7. Traver, CA)(0037; Pause for Good News (it must have been a very short pause -- maybe that was the good news! ch); 1/18. McCants, LA)(0130; Art Linkletter: Say It With Music (Speaking of interviews with the recently deceased! ch); 444; 1/6. Drew, TX)(0406; 1/26.pr.Zavatsky, CT)
- 15295 2130 HCJB, EE, ID, DXPL, Downunder Report (433; 1/25. Wampler, VA)
- 17790 1754 HCJB, Unshackled in EE, into Czech @1800 (233; 1/31. Wampler, VA) Lindley, AL)
- 17880 0055 HCJB, EE, "Today in Review" nx roundup (322; 1/14. Moman, AB)(0049; 555; 1/31 17890 1405 HCJB, EE, Christian music (444; 1/26. Brown, NE)
- 26020 1422 HCJB, EE, religious px, ID and address on ½-hour (222; 1/4. Ross, ON)(26019.7, 2130; 252; 2/1. Munster, GA)
- FRENCH GUIANA -- France Régions
- 3385 1212 FF, OM tlk between mx (332; 1/19. Earhart, PA)(0926; IS @0938, then more tlk, ID @0946; 333; 1/22. Huffaker, MEXICO)(0954; 6170 not heard; 222; 2/6. Fischer, PA)(0322; 333; 1/24. Cohen, PA)
- 5055 0910 FF, EE/LAm mx, nx (353; 1/18. Wilkins, CO)(0955; ID @1000, //6170; 353; 1/23. Ray, PA)(0002; 0006* but carrier on for several minutes more; gd; 1/23. Parks, FL)(0945; 444; 1/28. Schlesinger, TX)(0929; 343; 1/15. Moman, AB)(*0900; only one of the 3 fqys evident these days; 242; 1/16. Potorti, NV)
- GALAPAGOS ISLANDS -- LV de Galápagos
- 4810 0152 Local nx (343; 1/29. Huffaker, MEXICO)
- GUYANA -- GBC
- 5950 0800 EE, Interesting combination of Christian sermon and Indian vocals. ID @0830 "GBC-2 in Guyana"; TC for 5:30 (433; 1/24. Wilkins, CO)(0800; 333; 2/3. Kivell, NM)(0925; gd; 1/10. Zavatsky, CT)(0820; events in Georgetown; 544; 2/1. G.Raymond, MA)(0845; 222; 1/8. Ross, ON)
- PERU FL)
- t3230 0105 El Sol de los Andes, OM w/ soccer play-by-play; no ID noted. (fr; 1/25. Parks,
- 3240 1036 R. America, several IDs, disco + pop mx. Heavy QRM from high-speed CW station on low side (422; 2/1. Jones, MS)
- 4790 0405 R. Atlantida, clear ID, low key OM w/ mx (333; 1/30. Harvey, PQ)(0400; 1/27. Sarkisian,??)(0905; 343; 1/15. Moman, AB)(0237; 233; 2/5. Alexander, NC)(0130; 444; 1/18. Thompson, NM)

MOTTO OF W/H: "IF YOU TRY TO PLEASE EVERYBODY, NOBODY WILL LIKE IT."

- PERU -- (CONTINUED) (The following log arrived between last page and this)
- 4760 0453 R. Tingo María, mx w/ break-ins by OM: "Aquí cinco mins. por las cero cero, hermanos," "cero horas en R. Tingo María" NA (without amnt) @0458* (343; 2/11. Huffaker, MEXICO)
- 4810 1024 R. San Martín, Peruvian vocals, OM w/ TC/ID after each (333; 1/24. Wilkins, CO)
- 4995 0949 R. Andina, surprised to hear such a powerful signal here, almost as strong as WWV! Full ID/TC @1000, then into "Ecos Andino" px w/ yippy huaynos (1/15. Lobdell, MA)(0406; ID: "R. Andina, onda corta, mejor...con frecuencia de 1300 kcs, onda larga, 5 mil kv de potencia, y 4995 kcs, onda corta, por toda la América, emisoras de las "Nuevas Coronas," la radioemisora grande de Perú." 443; 1/28. Huffaker, MEXICO)(Thanks, Carl. ch)(1030; 333; 1/10. Ross, ON)(0916; 333; 1/15. Moman, AB)(0940; 322; 1/29. Wilkins, CO)
- 5015 0345 R. Moyobamba, U.S. rock, LAm pops, OM DJ. occasional ads w/ mentions of Tarapoto & ID, weak RTTY QRM (fr; 1/15. Parks, FL)
- 5025 1037 R. Quillabamba, possible s/on, w/ calls, fqys, mb's, then OM w/ ID. Gentle class. mx after hyped amnt by OM; best level this one's been heard here (333; 2/2. Cunningham, OH)(2325; fr; 1/29. Parks, FL)
- 5035 0646 R. Imagen, 0646 ID "Transmite desde Tarapoto, el corazón de...(Perú?), R. Imagen...de Tarapoto, dept. de San Martín." Peruvian vocals to 0718* w/ only occas. IDs (242; 1/20. Wilkins, CO)(0448; TC's: "en R. Imagen," full ID @0459, 0503*; 343; 1/28. Huffaker, MEXICO)
- 5045 0353 R. Rioja, clear ID, NA @0357* (333; 1/28. Huffaker, MEXICO)
- 5045 0357 R. Universo de Junín, mx, TCs: "...En R. Universo de Junín," full ID @0628, 0629* w/ no NA (343; 1/28. Huffaker, MEXICO)
- t5055 1010 Onda Imperial Perú, checking out Jerry Berg's report, I did hear Imperial through F.Guiana @1013 (242; 1/22. Huffaker, MEXICO)
- 5970 1015 R. El Sol, OM & YL, definite ID, lots of talk (233; 1/9. Alexander, NC)
- 6115 0948 R. Unión, over LV del LLano -- unusual (433; 1/13. Jones, MS)
- 9675 *1105 R. del Pacífico, s/on during ID (just caught FM fby) by OM. Instrumental mx, OM ID @1107: "Del Pacifico presenta la hora de levantamiento" (Hmmm, means: "R. del Pacifico presents 'The Rising Hour' (as in rising from bed)" It can also mean: "R.d.P presents 'The Revolution Hour'!!!" Maybe Haig should send some advisers?? ch); (fair; 1/25. Lobdell, MA)(1112; 232; 1/13. Schlesinger, TX)
- SURINAM -- R. Apintie
- 5005 0455 DD, Christmas mx, phone-in show (434; 12/24. Maki, ON)(0442; ID by excited OM ancr; weird px w/ machine-gun fire and roosters crowing (Ah, yes, the Rising Hour! ch); gd; 1/22. Zavatsky, CT)(0850; 444; 2/1. G.Raymond, MA)(0843; 343; 1/24. Wilkins, CO)(0931; 443; 1/28. Schlesinger, TX)+3
- URUGUAY
- 6155 0215 R. Carve, nx, mx, (2/1. Sarkisian,??) NV
- 11835 0040 R. El Espectador, OM w/ EZL mx, including Gershwin, nx (322; 1/11. Hotaling,
- VENEZUELA
- 3255 1010 LV de El Tigre, various amnts w/ occasional net ID's. Very noisy. Tiger call (roar? ch) heard @1014 (342; 1/27. Schlesinger, TX)
- 4760 1013 R. Frontera, OM yelled "Venezuela!"; ID, mx (433; 1/4. Ross, ON)
- 4770 0210 R. Bolívar, IDs, OM talks, TC, ads, mx (454; 1/24. Thompson, NM)(0240; 454; 2/5. Pickard, IL)(0945; 343; 1/15. Moman, AB)(0240; 333; 1/31. Connell, CA)
- 4780 0323 LV de Carabobo, many IDs by OM, jingles, (222; 1/7. Kivell, NM)(0350; 433; 1/30. Stone, ON)(0140; 444; 1/17. Thompson, NM)(0305; 422; 1/30. Munster, GA) +4
- 4800 0345 R. Lara, ID, om ancr, mx (1/27. Sarkisian,??)(0315; 422; 1/30. Munster, GA)(0033; gd; 1/28. Zavatsky, CT)(0300; 333; 1/7. Kivell, NM)
- 4840 0140 R. Valera, slow LAm vocals, IDs (232; 1/25. Fischer, PA)(0240; 2/1. Sarkisian)
- 4900 0355 R. Juventud, jazz, closing amnts, 0400* (333; 2/1. Leeman, RI)(0015; 244; 1/15. Alexander, NC)(0130; 'Top 40' as per ancr; 353; 1/28. Connell, CA)+1
- 4940 0113 R. Yaracuy, OM ancr, lively LAm mx, many IDs (433; 2/1. Stone, ON)(0300; 555; 2/1. G.Raymond, MA)
- 4960 1020 R. Sucre, //4970 w/ Rumbos nx, separate IDs, Rumbos promos, then separate px (232; 2/6. Fischer, PA)(0130, 454, 2/2. Thompson, NM)(0400; 1/28. Sarkisian,??)(0030; 333; 1/6. Grosvenor, CA)
- 4980 0030 Ecos del Torbes, lively LAm mx, ad for Banco Internacional, many IDs and mentions of San Cristobal, (gd; 1/26. Zavatsky, CT)(0430; 0721*; 444; 1/21. Pickard, IL)(0952; many ments. of Reggie Jackson's signing w/ the Angels. Who Cares!!! (Oh, gee, don't ask that question of a New Yorker or of George Steinbrenner! ch) 433; 1/23. Thompson, CA)(0350; 1/28. Sarkisian,??)
- 4990 0307 R. Barquisimeto, slow ballad; co-channel w/ R.RSA (423; 1/12. Davidson, SC)
- 5030 0426 R. Continente, OM w/ ID in SS and LAm mx (433; 2/2. Shamblyn, CA)(0315; 333; 1/18. Stephenson, CA)(0451; 0500*; gd; 1/22. Zavatsky, CT)(0300; 444; 1/30. Stone, ON)(0333; 343; 1/8. Alexander, NC)(0415; 1/27. Sarkisian)(0347; 434; 1/20. Kerrigan, IL)(0330; mention of Super Bowl; 555; 1/15. B.Raymond, MA)(0400*; 555; 2/1. G.Raymond, MA)+1
- 5040 0058 R. Maturín, OM ancr, ID @0100, very weak (222; 1/27. Fischer, PA)

MORE MATURIN ON NEXT PAGE. AM LISTENING TO WRNO NOW -- INTERESTING (HAM PSA'S, NO PAID ADS)

VENEZUELA -- (CONTINUED)

- 5040 0329 R. Maturín (cont.), 0356*, dance tempo songs, s/off amnts beginning 0351: "Esta es R. Maturín con diez mil vatios de potencia; cordial, simpática, una misma la indisoluble única primería en sinfonía..." (MW power given). Also. "R. Maturín... 1180 kHz, onda larga, ... 5015 kHz, onda corta, banda internacional de 60m, y YVOR-FM 92.3 megaciclos por segundo"(why kHz for first two and mc/s for the last?) (2/8. Walcutt, NY) Fischer, PA)
- 9660 0435 R. Rumbos, OM vocal, ID, LAm mx (232; 1/17. Famularo, PA)(1005; 232; 2/6. /

NORTH AND CENTRAL AMERICA /

ANTIGUA

- 6085 0100 DW, EE, IS, fgy, nx: Christian Democratic Union unrest, (544; 1/25. Demmitt, PA)
- 6175 0240 BBC, EE, soccer nx, sx in general (454; 2/7. Krist, VA)
- 6195 1115 BBC, EE, New Ideas, paint remover and water purifier (to remove the paint remover from your water, no doubt. ch)(544; 1/23. Demmitt, PA)
- 9510-0504 BBC, EE, OM, nx-(544; 2/2. Shamblin, CA)
- 9545 0502 DW, EE, OM w/ s/on info, nx (545; 2/2. Shamblin, CA)(0330;232;2/7.Traver,CA)
- 11775 1300 BBC, EE, nx, (444; 1/9. Demmitt, PA)
- 15260 2317 BBC, EE, "Letter from America" (1/10. McCants, LA)

BELIZE -- R. Belize

- 3285 0457 EE, totally annihilated by CW (111;12/24.Maki,ON)(0418,111 CW; 1/31.Cuppy,IN) (0200; 323; heavy QRM; 1/10. Shevchenko, BC)

CANADA

- 5960 *0100 RCI, EE, nx, wx, sx, report on cost-of-living in Canada (555; 1/23. Krist,VA) (0102;1/18.McCants,LA)(2300;555;1/9.Demmitt,PA)
- 6005 0900 CFGX, Montréal; EE, tlk show, discussion of strike threats in Montreal, nx @0900 (242; 1/8. VanBeurden,CA)(1235;lottery #'s, 343;1/30.Fischer,PA(Did you win? ch))
- 6065 1230 CBCNQSWS, EE, nx, wx, sx, interview with hockey player (554;1/9. Demmitt,PA)
- 6070 2003 CFRX, Toronto; local nx, ads, wx, (343; 1/13. Famularo, NJ)(1502; rarely audible due to recent xmitter problem; 243; 1/31. Fischer, PA)
- 6080 0640 CKFX, Vancouver; EE, C+W mx, IDs as "Super Country CKWX," nx, ads (poor; 1/24. Gavaras, MN)(0150; Pacific weather, high QSB; 222; 1/19. Hardester, CA) (0240; 433; 1/22. Famularo, OR)
- 6130 1240 CHNX, Halifax, Carpenter mx, better by 1306 w/ nx (222/232; 1/30. Fischer,PA)
- 6140 0650 RCI, EE, Canadian nx to Europe (555; 1/13. VanBeurden, CA)
- 6160 1838 CKZU, Vancouver, EE, relay of "Sunday Morning" (333; 1/24. Famularo, OR) (0123; 333; 1/21. Zilmer, NM) Fischer, PA)
- 6160 0930 CKZN, St. Johns, EE, national nx, regional nx, Newfie items, (333; 2/6. /
- 9575 1330 RCI, FF, nx, stock market, IDs (534; 1/15. Miller, CA)(1300; The World at 8; Strike in Canada (what else is new? ch); 555; 1/15. Demmitt, PA)
- 9755 0205 RCI, EE, tlk about steps U.S. threatens to take against Canada (Steal all their Molson's Ale? ch)(444; 1/24. Forbes, TX)(0225;555;1/25. Krist, VA)
- 11720 1450 CBCNQSWS, EE, px on pros/cons of proposed marijuana decriminalization in Canada (444; 1/9. Famularo, NJ)
- 11850 2330 RCI, FF/EE, "As It Happens" (434; 1/8. Lord, CA)(*0100;444;1/25.Krist,VA) (0110;SWLD,544;1/25.Demmitt,PA) cher, PA)
- 11945 2135 RCI, EE, "The Music Shop" (// 17875, 17820, 15325, 15150); (454; 2/7. Fis- /
- 11955 1450 RCI, EE, Sunday Morning, tlk on stocks (454; 1/31. Fischer, PA)(1955;544; 1/22. Harvey,PQ)
- 15260 1800 RCI, EE, nx, Bonsoir Africa, mailbag; (333; 1/31. Fischer, PA)(1700; BBCWS; EE, nx, soccer nx; 454; 1/23. Krist, VA)
- 15325 *2130 RCI, EE, report on satellites (454; 1/30. Krist, VA)
- 17810 1630 RCI, FF, nx, sked, wx - Blizzard in progress (555;1/8.Schroeder, WI)
- 17820 *2130 RCI, EE, nx, SWLD, (454; 1/23. Krist, VA)(2131; 333; 1/16. Lucas, CA)(2000; 454; 1/12. VanBeurden, CA)
- 17875 *2129 RCI, EE, nx, SWLD, (555; 1/16. Krist, VA)(1810;354;1/22.Miller, CA)

COSTA RICA /

- 4832 0530 R. Reloi, TCs, mx, tlk (443; 1/24. Ulmer, LA)(0625; song: "Costa Rica" (ap- propriately enough!); strong; 2/7. B.Raymond, MA)(0445; 1/26. Sarkisian,??)
- 5055 0330 Faro del Caribe, TIFC; 0330 f/in, rel. px. QRM'd by s/on of TWR Swaziland @0355; (352; 1/21. Tanigawa, HI)(0330; Ideas for your leisure time; (Remember, an idle mind is what, class? ch); 333; 2/2. Burke, VA)(0350; s/off; 323; 1/21.Farmer, TN)(0350;544;2/1.G.Raymond,MA)(0257;"Songs in the Night";353;1/30.Krist,VA)(0328; 333;1/20.Kerrigan,IL)(0345;223;1/8.Alexander,NC)
- 6006 0848 R. Reloi, Lively mx, booming in. ID/TC (444; 1/9. Ross, ON)
- 6035 0031 R. Nacional de Costa Rica, Lots of OM's talking, various amnts. QRM from Globo competing with poor signal, het, and QSB. (322; 1/14. Schlesinger, TX)
- 6078 2250 R. Rumbo, campesino mx, "machine gun" DJ chatter by OM w/ ID, KO'ed by DW splatter @2257 (fr; 1/15. Parks, FL)
- 6175 2300 TIFC, sx, co-anchored by 2 OMs, fast, under BBC (333; 2/4. George, TX)

CUBA / 1/23.Demmitt,PA)
 6060 2358 RHC, Slavic; mx, ID, mentioned Nicaragua, (554; 1/23. Ulmer, LA)(1130;544/
 9525 0750 RHC, EE, px on Cuban native mx, OM host; 0757* (444; 1/23. Ross, ON)(*0630;
 544; 1/11. VanBeurden,CA)(0715; advantages of the Cuban transportation system (It
 gets you to the sugar cane fields faster. ch) 434; 1/9. Lord, CA)(0508; 433;2/7;
 Traver, CA)(0630; 444; 2/4. Valentine, CA)
 9600 2332 RM, EE, Sidelights on Soviet Life, (444; 1/28. Demmitt, PA) CA)
 11760 0345 RHC, EE, YL/OM ID, world nx (444; 1/22. Johnson, TX)(0447; 434; 2/2.Shamblin,
 11840 1714 RM, EE, tlk on Siberian railway (fr; 1/21. Zavatsky, CT)
 11945 2045 RHC, P.O. Box 7026; //11970 (554; 1/14. Fraser,MA)(2040;444;1/15.Bellard,OH)
 15230 2330 RHC, Cuban folk mx interspersed with pleas for unification of C.Am. nations
 as socialist states (454; 1/31. Connell, CA)
 17705 1825 RHC, world nx, (333; 1/12. Cady, IL)
 17750 2050 RHC, EE, OM/YL nx, then stories about the severe weather in northern U.S.
 (caused by the capitalists' greed for gold, I suppose. ch)(555; 6/12. Schroeder,WI)
 17835 1810 RHC, FF, Cuba tous les jours; Nos Artistes on Victor Montanadi (444; 1/27.
 Manning, TX)

DOMINICAN REPUBLIC / -- R. Glarin
 11700 0015 OM ancing what sounded like sx, but normal crowd sounds missing (544; 1/17.
 Evans, TN)(2310; LV de CID relay; 444; 1/9. Ray, PA)(0325; 344; 1/24. Tanigawa, HI)
 (0100; 322; 1/13. Moman, AB)(*2203; s/on fireworks; distorted;333;1/9.Pfeffer,NY)

EL SALVADOR /--R. Nacional de El Salvador (PLEASE, NOT "DEL SALVADOR")
 9552 1256 Gov't anmts, TCs, full ID@1300, Nx (propaganda to wake up to), (444; 1/22.
 Huffaker, MEXICO)(1215; fr; 1/27. Lobdell,MA)(0153;gd;1/19.Zavatsky, CT)+1

GRENADA / -- R. Free Grenada (GRENADA IS THE COUNTRY, GRANADA IS THE CAMP!)
 15045 2202 EE, "Focus on the Americas" mx px (322; 1/31. Stephenson, CA)(2302; gd; 1/20.
 Zavatsky, CT)(2322; 344; 1/25. Lindley, AL)(2353;343;1/11.Moman, AB)(2320;444;1/7.
 Famularo, NJ)-----/

GUATEMALA
 4835 0222 R. Tezulutlan, positive ID @0222*, on the weekend this station runs church
 services that can run well over an hour with no ID. Also, lots of marimba mx. Be-
 fore s/on there is a strange "gong" sound at less than one-min. intervals which
 can still be heard in the back after s/on. IS from S.EAsia?? (I dunno, can anyone
 give me the answer? ch)(2/8. Brown, IL)(0108, 433; 1/24. Wilkins, CO)(0011; very
 poor; 1/11. Zavatsky, CT)(0130; 0155*; 444; 2/6. Thompson,NM)(0045;322;2/8.Vogel-
 man,NY)(0225;2/1. Sarkisian,??)
 6180 0215 R.Nac. de Guatemala, futbol, Mexico vs. Guatemala (444;1/29. Huffaker,MEXICO)
 9760 1920 R.Nac. de Guatemala, local mx, no ID, weak (1/19. Sams,AR)

HONDURAS
 4781 1202 R. Juticalpa, 'Programa de musica tropical,' ads for Central Automotriz in
 Juticalpa, ID: "RJ, la emisora que radial en el Dep.to. mas gigante, Olancho,"
 Ads were for electric plants, pumps, etc. (444;1/22. Huffaker, MEXICO)
 4820 0405 LV Evangelica, HRVC, EE, rel. px., Bible Readings (323; 1/13. Ross, ON)
 (0455; 423; 1/25. Speer, CA)(0204;222;1/21.Maki,ON)
 4890 1112 R. Lux, ID, tlk, mixed up with Papua/New Guinea, (422; 1/30. Jones, MS)
 (0228; 333; 12/29. Ross, ON)(0145; QRMed by the ARO's (Huh? Must be an out-of-band
 operation on their part. ch); 433; 1/26. Schlesinger, TX)(1215;322;1/7.Hotaling,
 NV)(0220;333;1/23.Ray,PA)(0120;322;2/8.Vogelman,NY)(0130;444;1/31.Thompson,NM)
 4910 0304 LV de la Mosquitia, Miskito?, running late tonight, w/ religious talks by
 OM/YL in presumed Miskito. ID @0349; good level (333;1/21.Cunningham,OH)(1217;
 353; 1/24. Wilkins, CO)

MEXICO
 2390 1225 R. Huayacocotla, local mx, tlk, nx, increase in power @1300 (343;1/22.Zilmer,
 NM)(1232; faded out@1307; 353; 1/28. Wilkins,CO)
 6115 1520 R. Univ. de Sonora, class. mx, (454; 1/19. Thompson, NM)
 6165 1145 XEW, call, TC, talk, QRM from Orient (433; 1/27. Jones, MS)
 15430 0050 R. Mexico Int'l, report on Poland, clear ID @0100 (454;1/20.Fraser,MA)

MONTSERRAT
 9545 0140 DW, EE, talk on biological warfare, (333; 1/28. Fischer, PA)
 11705 0653 DW, GG, 2 OMs talking (242; 2/7. Traver, CA)

NETHERLANDS ANTILLES / +22 reports -- no room this month!! See last month for fqys.

NICARAGUA
 5950 0416 LV de Nicaragua, "Voz de la tierra de Sandino, transmite LVdeN, banda de 49
 metros" "Un Resumen de Noticias" (455; 1/12. Tanigawa, HI)+7
 6120 0455 R. Zinica, just in time for ID, 0502* (222; 2/3. Kivell, NM)

UNITED STATES OF AMERICA /
 5948 1855 WRNO, test (555; 1/24. Beeman, OH)
 5980 1229 KGEL, EE, ID, abrupt s/off (555; 1/9. Demmitt, PA)
 WRNO SKED 2/18: 18-20 17895;20-22 15355;22-00 11890; 00-02 11965; 02-07 6155 (TIME IN GMT)

UNITED STATES OF AMERICA /--(CONTINUED)

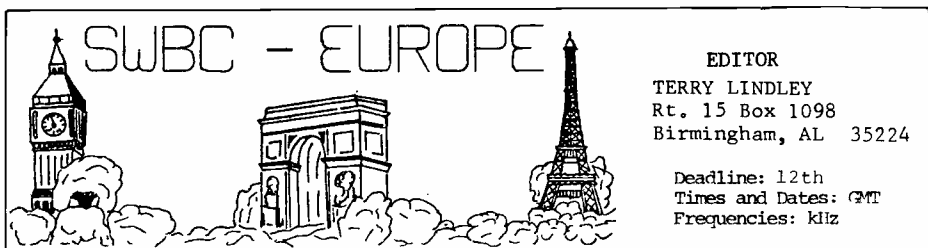
- 5985 0257 VOFC over WYFR, strange bedfellows (not when you consider their politics. ch) State Dept. must be livid (I doubt it. ch) Px in CC to 0300, then 1 hr. EE. (454; 1/11. Cunningham, OH)(0358*, followed by WYFR RR; 444; 1/15. Wilkins, CO)(0350; religious talk about God of Fire (My, the WYFR people must have been livid!; 444; 1/25. Burke, VA)(*0300; offering cassette with CC mx in exchange for a taped report; addr: Box 24038 Taipei, Taiwan. Munster, GA)+11 more VOFC reports.
- 6155 0204 WRNO; s/on promptly at 0203 (promptly late, that is) which is better than they did yesterday night -- they didn't come on at all. Px consists of rock, both new and old -- PSA's for ARRL and, oddly enough, for the IRS!! That's right, get those furriners to pay our taxes -- that'll cut down the 90 billion dollar deficit. Anyway, they are vigorously promoting themselves, with a T-shirt offer (\$6, state your size), and are also promising "100% verification." I hope that doesn't mean they'll QSL anything including the light bill! With my report (Yes, Kap, I do report every once in a while!) I suggested they keep an eye on their signal -- rock, by its nature, is a very dirty signal and they could become the "QRM of the World" rather than the "Rock of the World" if they aren't careful. They promise the first 1000 reports will get certificates. Return postage, please. (444; 2/20. Hansen, NY)
- 11890 2206 WRNO, ID, QTH, "Basin Street Blues" as theme (444; 1/24. Huffaker, MEXICO) (2310; 1/23. Flanagan, MA)
- 11895 2230 WRNO, EE, test anmts, (332; 2/5. Thompson, CA)
- 11965 *0001-0031* WRNO, address P.O. Box 100, New Orleans, LA 70002 (Rare zip, they don't often announce it. ch). Phone (504) 889-2424. (exc. 1/24. Gavaras, MN)(0011-0031*; IDs, phone, excellent; 1/24. Lobdell, MA)
- 15100 2115 WRNO, usual pop mx (343; 1/23. Zilmer, WI)(This is rock. Pop is more antique. You know, Sinatra, Perry Como, et al. ch)
- 15155 0001 Voice of the OAS, classical guitar, from live performance w/ applause cut. 0030* (454; 1/18. Thompson, CA)
- 15355 2112 WRNO, EE, test (443; 2/5. Thompson, CA)
- 17730 1905 WINE, EE, "Bible Time," but not spent on Word at all. Whole px dedicated to blasting FCC & blacks. Real Christian of him, don't you think? ID @1930 (423; 1/29. Thompson, CA)("Rev." McIntyre has had a thing about the FCC ever since they took F&AM licenses in Media, PA away from him because his editorial opinions, examples of which Peggy has cited, were aired over the stations and no opposing views were permitted to be aired. Equal time is sometimes necessary. ch)
- 17895 1844 WRNO, EE, test (454; 1/24. Jones, MS)(1955;444; Roberts, NC)+7 WRNO rpts And, there were 35 more U.S.A. reports.

CLANDESTINES

- 5565 0330 R. 15 de Septiembre, many IDs & mentions of Nicaragua by OM. No jamming (222; 1/30. Harvey, PQ)
- 6240 0550 VO Pyramids, EE, said 100 W, QSL via FRC, ment. of BBI net, (1/1. Sams, TX)
- 6820 0615 VO Voyageur, EE, oldies, moved to 6840 @0615, IDs, political puns, QSL via FRC, (1/2. Sams, AR)
- 6900 *1100 R. Farabundo Marti, IS of class. mx, then px of tlk/rhetoric by OM/YL; frequent IDs. Excellent sig level, but mod varied wildly from overmod to barely audible. QRM from SSBer intermittent. Sounds like RVenceremos (433;2/2.Cunningham, OH)
- 6906 *0000 R. Venceremos, IDs, mentions of revolucion, sounds like an attacking airplane. 0028* abruptly. (333; 1/31. Krist, VA)(6901;0145;ID: "RV, voz oficial de la FMLN, transmitiendo desde Monazan," 0153*; 333; 2/8. Leeman, RI)
- 7081 0059 R. Mandi, out of 10 IDs, I think "R. Mandi" rather than "R. Mambi" or "Marti". (444; 1/29. Huffaker, MEXICO)
- 7350 0325 IV del CID, YL ID and "Atencion Cuba!" 0328* (444; 1/30. Farmer, TN) (0220; 342; 2/5. Kramer, VA)(The country, Andy, is the U.S. Florida, to be exact.ch)
- 7355 0719 WOIS, EE, rock mx format, ID, address in Potsdam, NY, "WOIS, America's favorite pirate radio station)(333 + QSB; 1/10. Cunningham, OH)
- 7425 0335 WTNT, EE, ID, rock mx, OM ancr; (1/7. Sarkisian, ??)
- 7425 0105-0155* R. Free Wave, EE ID, rock, "SWL Indigestion" Good signal. Where do you send reports to? (How about "FCC, Washington, DC"? I know the FRC will put out a contract on me for this, but I like to live dangerously. ch)(1/17. Gavaras, MN) (0440; 333; 1/9. Michael, PA)(0430; 1/1. Sams, TX)(0010;1/17. Sarkisian, ??)
- 7900 0152 R. Farabundo Marti, BC inaugurating new station (old tape as they gave date as 1/22.) (333; 1/25. Huffaker, MEXICO)
- 11915 1640 R. Clandestine, EE, "Some R+R mx you're not gonna soon forget," "Somewhere on the airwaves of the world" (444; 1/10. Michael, PA)
- 15825 1630 R. Clandestine, EE, R.F. Burns ancr w/ rock. IDed RC over and over. 1700*. Off the coast of Nam, as per anmt (And if you believe that, I have a bridge to sell you!. ch)(434; the date would be nice here, Allen.; Roberts, NC)

Am listening to WRNO as we speak. Their signal extends from 6150 - 6160 kHz. My spectrum analyzer is going wild! Good signal now, but they will have to watch out -- WNBC AM is now the Scourge of the Airwaves to ECB DXers hereabouts -- their disco music extends from about 620 to 700 kHz. WRNO should try to cut their sidebands down to a Chris and reasonable size to keep adjacent channel interference to a minimum. Arkie

That'll be hard, as rock is wideband, by nature!!! See you in Contributors.



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

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

We have 96 reporters and about 800 loggings, before I waste another line heres Albania:

ALBANIA R.Tirana R.Gjirokaster

5057 1400 RJ: AL-Home service w/childrens story, ID. Good reception here in Italy.(455 1/3 Chituck-Italy)(333 Ross-ONT)(343 Earhart-PA)(333 Cohen-PA)

7065 0002 RT: EE-Usual good signal, usual (expletive deleted) pgming.(444 1/17 Schlesinger-TX)(444 Ross-ONT)

7080 0030 RT: EE-Music pgm.(good 1/16 Cox-LA)

7120 0230 RT: EE-Sports, wld nx, folk mx.(444 1/26 Burke-VA)(Annis-IN)(Krist-VA)(Bellard-OH)(Cady-IL)(Kerrigan-IL)(Blom & Van Beurden-NY) Ted Van Beurden is about to leave for Italy on a hitch with the Air Force. Good Luck Ted. I hope you get in some good DXing there.

7125 0256* RT: EE-Freqs & skeds.(222 1/16 Speer-CA)

7300 0450 RT: EE-Usual propaganda w/some facts, mx pgm.(342 Earhart-PA)(Audette-PA)

9480 1644 RT: EE-cmtry & mx pgm.(252 1/23 Potorti-NV)

9500 0630 RT: EE-Trumpet IS, ID, book read by OM.(523 1/24 Ulmer-LA)

9750 0000 RT: EE-Talk on Communism, bunch of Bull to me.(fair 1/13 Cox-LA) Exactly tml.

AUSTRIA Osterreichischer Rundfunk

5945 0320 ORF: EE-Non stop mx to 0330, ID, freqs, IS.(322 1/26 Hotaling-NV)(Blom & Van Beurden-NY)(Fraser-MA)(Earhart-PA)

9770 0332 ORF: EE-Childrens Choir, talk on religious make-up of Austria.(443 Earhart-PA)

12015 0439 ORF: EE-OM w/report on skiing competition in Austria.(333 2/2 Shamblyn-CA)(545 1/4 Berri-CA)

21655 1236 ORF: EE-Cmtry on economics and peace in Poland.(433 1/20 Krist-VA) =

BELGIUM Belgische Radio'en Televisie

9870 0050 BRT: EE-ID, Flemish mx pgm, sports.(222 1/11 Wampler-VA)(Moman-ONT)(Blom & Van Beurden-NY)(Pyron-NY)(Krist-VA)(Alexander-NC)(Purke-VA)(Annis-IN)(Miller)

11695 0044 BRT: EE-YL w/nx pgm, mx pgm.(222 1/22 Miller-CA)(Chituck-ME)(Moman-ONT)

21525 1400 BRT: EE-Nx pgm, mx, feature on Parliament.(222 1/25 Manning-TX)

21815 *1100 BRT: DD-Usual pgming of nx & mx.(454 1/13 Robinson-Australia)(343 Zilmer-NM)

BULGARIA R.Sofia

7115 0400 RS: EE-OM w/freqs, sked & Mx pgm.(222 1/24 Johnson-TX)(Miller-CA)(Speer-CA)(Audette-MA)(Ross-ONT)

9665 0559 RS: SS-OM & YL spoke for some time on a variety show.(434 1/13 Annis-IN)(544 Wampler-VA)

9700 1945 RS: EE-History of the Bulgarian Communist Party.(433 1/19 Carlson-WA)(232 Schlesinger-TX)(Fraser-MA)(Blom & Van Beurden-NY)(Wampler-VA)

11720 2304 RS: EE-Native mx pgm, pop mx, "Science World".(222 1/13 Audette-MA)

11880 1905 RS: EE-YL w/talk on Socialist vs Capalist system.(343 1/25 Audette-MA)

15310 2100 RS: EE-Nx pgm, local mx, cmtry.(222 1/21 Zilmer-NM)

CZECHOSLOVAKIA R.Prague

5930 1700 RP: SS-IS, ID, nx pgm.(555 1/18 Chituck-Italy)(Blom & Van Beurden-NY)

7345 0300 RP: EE-Nx pgm, talk on Amer Trade Union Act.(333 1/31 Averill-MA)(Speer-CA)(Alexander-NC)(Miller-CA)(Fraser-MA)(Moman-ONT)

9740 0134 RP: EE-OM w/cmtry on Disarmament & Neutron bomb.(333 2/2 Audette-MA)

11855 0842 RP: EE-Usual political viewpoints, fading and no //s.(443 1/29 Schlesinger-TX)

11990 2028 RP: FF-IS, ID, OM w/nx pgm.(444 1/30 Munster-GA)

FINLAND R.Finland

15400 1445 RF: EE-OM w/special election pgm.(444 1/19 Schroeder-WI)(Amularo-NJ)(Earhart-PA)(Munzi-CA)

21475 1333 RF: EE-"On The Town" culture pgm, sports, pgm sked.(434 1/10 Tate-WV)(Smith-FL)(Schlesinger-TX)(Bellard-OH)(Kobylski-MD)(Manning-TX)(Pfeffer-NY)

Finland is pretty thin this month and so far there have been many repetitive loggings.

<u>FRANCE/</u>		Radio France Intl	Allouis
3965	0438	AL: FF-Pgm of French pop mx.(222 1/2h Cohen-PA)	
7135	1917	RFI: FF-OM w/mx & talk.(433 1/4 Traver-CA)	
11705	1710	RFI: EE-OM mx, cmtry about S.Africa.(232 1/7 Mountain-EG)(Traver-USSR)	
11805	1939	RFI: FF-OM wtlk a talk.(444 1/4 Traver-CA)	
15195	1913-	RFI: FF-OM mentions "Down by the Schoolyard" Amer tune? (333 2/7 Traver-CA)	
15200	1745	RFI: EE-ID & P.O. Box 9516.(433 1/31 Wampler-VA)	
15300	1950	RFI: FF-YL w/pop mx pgm, "Do You Think I'm Sexy".(444 1/22 Harvey-QUE)	
15314	1900	RFI: FF-OM & YL w/nx & ID.(433 1/20 Jamieson-CA)	
15435	2035	RFI: FF-ID, freqs, mx pgm.(444 1/22 Harvey-QUE)	
17850	1728	RFI: EE-Report on Naturalisation pgm on FGA.(333 1/23 Krist-VA)(Schlesinger-)	
17860	1705	RFI: EE-PCA pgm of French & wld nx. Talk on FF govt helping Poland and the Imperialist Soviet Union.(I wonder how they like being called Imperialist?) (232 1/30 Thompson-CA)	
21620	1710	RFI: EE-PCA w/nx pgm, many //s.(343 1/11 Moman-ONT)	
25820	1447	RFI: FF-Pgming // to 25900.(444 1/4 Ross-ONT)	
25900	1444	RFI: FF-YL w/talks, instru mx, OM joined in later.(444 1/4 Ross-ONT)	

<u>GERMAN</u>		DEMOCRATIC REPUBLIC/	R.Berlin Intl	RIAS Berlin
6005	0650	RE: GG-OM & YL w/talks, instru mx.(333 Blom & Van Beurden-NY)		
6010	1835	RBI: GG-OM & YL with talks.(222 1/4 Traver-CA)		
9620	2210	RBI: EE-OM w/cmtry on the division of the two Germans.(433 Audette-MA)(Famularo-NJ)(Mariff-NM)(Burke-VA)		
9730	*0059	RBI: EE-Nx & item on TASS, cmtry on NATO interference in Poland.(333 1/15 Krist-VA)(Audette-MA)		
11890	0650	RBI: EE-OM w/wld nx, IDs, cmtry on Disarmament.(444 1/23 Audette-MA)		
11920	0430	RBI: SS-OM & YL wtlk mx & nx pgms.(322 1/2h Jamieson-CA)		
11960	0530	RBI: GG-ID, IS, nx pgm.(433 2/4 Munster-GA)		
11975	0235	RBI: EE-YL w/nx. I finally tracked down an audible freq for RBI.(333 Berri-CA) (232 1/25 Johnson-TX)		
15170	1825	RBI: EE- ?????????????? (333 1/7 Stephenson-CA)(Moman-ONT)		
15240	1315	RBI: Talk on NATO pressure in Poland and agriculture in Poland.(555 1/1h Kobylski-MD)(Leite-MA)		
17830	1837	RBI: EE-OM w/ID, sked & frqes.(433 1/28 Audette-MA)		
21465	1535	RBI: EE-OM & YL w/talk on Arms limits.(322 Dunham-LA)(Zilmer-NM)		
21500	1801	RBI: EE-YL w/nx pgm, fading & heavy QRM.(322 1/2h Schlesinger-TX)		

<u>GERMAN</u>		FEDERAL REPUBLIC/	Deutsche Welle	R.Liberty	R.Free Euro
3970	0154	RL: RR-YL w/talk, IS, signal overriding jammer.(323 1/11 Famularo-NJ)			
6030c	2226	SR: GG-OMs w/German talks, fading & QRM.(211 1/15 Schlesinger-TX)			
6040a	0120	DW: EE-OM annrc w/"Press Review".(443 1/25 Hesch-NY) Too late, I'm too used to typing NY. Ruth is temporarily in CA. Hope you have a nice trip Ruth. tal..			
6085	0415	DW: GG-Euro nx w/strong cmts on Poland.(444 1/13 Stephenson-CA)(Famularo-NJ)			
6120	2109	DW: EE-ID, nx pgm, this is Asian service.(433 1/13 Wampler-VA)			
6146	0100	DW: EE-Nx, sports, & mx for N.Amer.(1/3 Dugway-MA)			
7265	0725	SR: GG-YL w/talk, rock mx, ads.(444 1/11 Famularo-NJ)			
9545	0100	DW: EE-Talk on the Polish problems.(433 1/7 Stephenson-CA)			
9600	0430	DW: GG-Comments on World Events.(444 1/8 Stephenson-CA)			
9604	0511	DW: GG-OM w/pgm of nx.(433 2/7 Traver-CA)			
9680	1640	DW: EE-Mentions of Shakespear, ID, & frqes.(232 2/6 Mitchell-NH)			
9690	0550*	DW: EE-OM w/IDs & frqes.(555 2/5 Greenwald-WY)			
9735	1500	DW: EE-Nx, cmtry, Press Review, beam to Afr.(322 1/29 Zilmer-NM)			
9765	*2100	DW: EE-IS, ID, wld nx, talk on a rail accident in Algeria.(444 1/27 Wampler-VA)(Schlesinger-TX)			
11765	2207	DW: GG-OM w/nx.(343 2/6 Traver-CA)			
11815	0400	RFE: RM-IDs, nx, series of cmtrys on President Reagan.(333 1/21 Tate-WV) Why must the nation bad-mouth the President? Don't do it. Pray for him! tal..			
15135	1550	DW: SW-Report on Amer investment in Uganda.(433 1/13 Mmanzi-CA)(Audette-MA) (Zilmer-NM)(Chituck-Italy)			
17765	1250	DW: EE-OM w/talk on British problems, ID.(333 1/26 Audette-MA)			
17810	2052	DW: GG-YL w/pop mx, ID, OM w/wld nx pgm.(554 1/11 Thompson-CA)			
17875	1635	DW: GG-Classical mx pgm, IS,(544 1/15 Carlson-WA)			
21560	1530	DW: GG-Songs and talk mentioning Afr countries.(353 1/30 Earhart-PA)			
21600	1500	BW: EE-S/on, nx pgm about Africa.(222 1/21 Manning-TX)(Peterson-CT)			
25690	1458	RL: RR-OM w/nx pgm in RR, IDs.(333 Ross-ONT)			

<u>GREECE/</u>		Voice of Greece	Voice of Amer
6015	2135	VOA: EE-OM w/nx & cmtry.(fair 1/22 Parks-FL)(Audette-MA)	
9515	0340	VOG: EE-YL w/ID, report of bad wx in Greece, wld nx.(333 1/26 Johnson-TX) (Krist-VA)(Speer-CA)(Moman-ONT)	
9655	2334	VOG: EE-YL w/wld & national nx pgm.(332 1/13Famularo-NJ)	
9700	1818	VOA: EE-ID, "People in America" featured people of Rio Grande area.(233 1/31 Wampler-VA)(Earhart-NM)	
9865	0130	VOG: EE-ID, Nx pgm, GK mx.(544 1/12 Williams-NM)Schlesinger-TX)(Zilmer-)(+ 2	

G R E E C E (continued)
 11730 0345 VOG: EE-YL w/nx, long pauses between items.(343 1/13 Moman-ONT)(Zilmer-NM)
 11760 1928 VOA: EE-OM says Soviet Union has come up with \$360 million to pay on Poland's debt.(444 1/4 Traver-CA)
 15260 1520 VOA: EE-Nx pgm.(322 1/21 Zilmer-NM)
 17560t 1240 VOG: EE-YL w/nx pgm, ID.(444 2/2 G. Raymond-MA)
 21460 1535 VOG: GK/EE-Greek mx, ID, nx pgm.(232 1/25 Audette-MA)(Zilmer-NM)

H U N G A R Y R.Budapest
 6110 2120 RB: EE-ID, mx request pgm.(443 1/22 Wampler-VA)
 9800 0130 RB: HH-Talk on late singer Javor Pal.(432 1/17 Byron-NY)
 9835 0200 RB: EE-Nx pgm, cmtry by OM, heavy RTTY QRM.(322 1/14 DeRing-NJ)(Wilkins-CO)
 (Ross-ONT)(Fraser-MA)(Krist-VA)(Schlesinger-TX)

I C E L A N D Icelandic State Best Service
 13797 1910 ISBS: IC-2 OM w/nx pgm, YL w/orch mx, IDs.(323 1/14 Witte-CA)(fair 1/8 Parks-FL)(343 1/5 Moman-ONT)(Gavarras-MN)(232 2/6 Nikolich-IL)(242 Shevchenko-EC)
 (343 1/9 Cohen-PA)(444 Blom & Van Beurden-NY)(232 1/16 Robinson-Australia)
 (333 1/6 Wilkins-CO)(353 1/10 Ray-PA)(453 Hardester-CA)
 As you can I tried to include everyone's SIO for reference to your particular area. I hope you can log it. If you have received your 82 WRTVH look for Mike Nikolich's article on the ISBS and the Austrian Army Station. tml.....

I R E L A N D So.Dublin Radio Westside Radio
 6240 0730 SDR: EE-OM w/mx, IDs, ect.(Sarkisian-MI)(222 Ross-ONT)(good Lobdell-MA)
 6243 0645 SDR: EE-bits & peices of rock mx, IDs.(232 1/17 Nickolich-IL)
 6245 0608 SDR: EE-Buro pop mx, weak but improving.(232 1/17 Schlesinger-TX)
 6280 0710 WR: EE-Pirate station w/heavy rock mx, anncs. Signal weak w/lots of UTE QRM, no ID noted, almost unlistenable. Gone after 0803.(1/17 Lobdell-MA)

I T A L Y Radiotelevisione Italiana
 7275 0430 RAI: EE-YL w/nx pgm, ID & address.(433 1/21 Audette-MA)
 7290 2030 RAI: EE-YL w/wld nx, ID, Italian mx pgm, s/off 2045.(232 1/23 Audette-MA)
 11800 *0100 RAI: EE-YL w/nx (sounds like she's crying), jazz mx.(444 1/30 Krist-VA) She probably was, all we ever get is bad news. When are newscasters going to get it through their head that we want to hear good news sometimes. tml.....
 15245 1829 RAI: II-IS, YL w/ID.(222 1/15 Moman-ONT)
 21560 1856 RAI: II-OM w/pgm of pop mx, ID, IS.(333 1/23 Jamieson-CA)(Traver-CA)
 21615 *1400 RAI: II-Talks, mx pgm. Not heard on sked 21695.(343 1/26 Zilmer-NM)

L U X E M B O U R G H R.Luxembourg
 6090 0000 RL: EE-Pop mx pgm w/nx by Benny Brown & DJ Rob Jones.(333 1/21 Burke-VA)
 (432 1/24 Wilmer-LA)(222 1/17 Schlesinger-TX)(233 1/9 Ross-ONT)
 15350 1919 RL: FF-Jazz mx pgm "Way Down Yonder in New Orleans", ads.(322 2/7 Traver-CA)

M A L T A Intl Christian Radio Xandir Malta
 9515 2000 ICR: GG/EE-Rel pgm in GG to 2030, then EE rel pgm.(433 1/13 DeRing-NJ)(454 B.Raymond-MA)(Moman-ONT)(Pfeffer-NY)(Burke-VA)(Connel-CA)
 9670 0700 XM: EE-YL read letters, talk on Islad marriage customs.(433 1/16 Dunham-LA)

M O N A C O Trans World Radio
 9495 1043 TWR: EE-"Search the Scriptures", ID, skeds.(343 1/13 Schlesinger-TX)

N E T H E R L A N D S/
 5955 1015 RN: EE-OM w/cmtry, mx, s/off.(222 1/20 Audette-MA)(354 Chituck-Italy)(Moman)
 9715 1530 RN: EE-ID, freqs, mx pgm, "Feedback".(good Johnson-CA)
 11720 *0700 RN: EE-YL w/nx pgm, (343 2/7 Traver-CA)(Audette-MA)
 11930 1330 RN: EE-Nx on Newsline.(333 1/13 Robinson-Australia)
 15220 2030 RN: EE-Nx pgm, ID, talk on Polish martial law.(454 Chituck-Italy)
 17605 1330 HappyStation Show, well received, no //s heard.(444 1/17 Schlesinger-TX)
 I got ahead of my brain... RN:EE (Burke-VA)
 17695 2050 RN: EE-"Media Network". They best a sunset/sunrise time BASIC pgm in versions for the PET, ATARI, TRS80, & SINCLAIR Z181 computers. This of course did my Apple computer little good.(444 1/28 Cunningham, OH)(Manning-TX)(Sable-CA)
 21685 2050 RN: EE-Hobby computer pgming over the air on Media Network.(555 1/28 ???-LA)

N O R W A Y R.Norway
 6030 0005 RN: EE-Talk on unemployment in Norway.(433 2/8 Mitchell-NH)
 9610 *0100 RN: EE-OM w/Review of the weeks events in Norway.(544 1/11 Van Beurden-CA)
 11820 0225 RN: EE-ID, freqs, s/off @ 0230.(433 1/25 Forbes-TX)
 11935 *0400 RN: EE-Started w/good reception then completely wiped out @ 0403 by jammer.
 (411 1/11 Van Beurden-CA)
 17840 1615 RN: EE-Mx pgm, OM w/talk on Norwegian winter.(322 2/7 Audette-MA)(Miller-CA)

NORWAY

(continued)

21730 1404 RN: EE-Norway This Week, as good on // 25615.(343 1/17 Schlesinger-TX)
 21725 1406 RN: EE-OM w/Norwegian Nx pgm, IDs.(444 2/7 Audette-MA)
 25615 1417 RN: EE-Accordian mx pgm, OM & YL w/cntry.(333 1/10 Farmer-TN)(Fraser-MA)
 25730 1420 RN: EE-Interview w/NW skier, mx pgm, freqs, & address.(253 1/17 Famularo-NJ)

POLAND

R.Polonia

7125 *2230 RP: EE-IS, ID, nx, talk on black market problems.(433 1/22 Wampler-VA)(Krist)
 9525 1655 RP: EE-Cntry on rebuilding Poland.(332 1/11 Moman-ONT)
 9540 1800 RP: EE-ID, IS, relaxing mx & not much talk.(1/21 Sams-AR)

PORTUGAL

R.Portugal

6100 0530 RP: EE-OM w/nx pgm, IDs, chimes, & s/off.(1/14 Witte-CA)(Van Beurden-CA) + 2
 9570 0545 RP: EE-Info on postage issue, mx pgm.(444 1/16 Kerrigan-IL)(Sable-CA)(Famularo
 9740 2050 RP: EE-PP mx pgm w/OM anncr.(333 1/12 Farmer-TN)
 11730 *2328 RR: PP-IS, OM w/IDs, mx pgm.(343 1/19 D'Angelo-PA)(Lobdell-MA)
 11775 2045 RP: EE-OM w/nx, ID, political cntry, mx.(433 1/17 Audette-MA)
 11925 0302 RP: EE-Nx pgm, ID, art & culture pgm.(444 1/21 Manning-TX)(Annis-IN)(Miller-
 CA)(Krist-VA)(Potorti-NV)(Blom & Van Beurden-NY)(Drew-TX)
 15135 1806 RP: EE-Talks on schools & colleges.(434 Chituck-Italy)
 17880 1800 RP: EE-IS, ID, freqs & time, mx pgm, (232 1/30 Zilmer-NM)(miller-CA)(Moman)

ROMANIA

R.Bucharest

6155 0200 RB: EE-Talk on 17 million children in the world dying of starvation and di-
 sease.(533 1/31 Alexander-NC)(Munster-GA)(Pfeffer-NY)(Krist-VA)(Schlesinger)
 7135 2118 RB: EE-Nat nx pgm, OM w/ID, mx.(333 1/25 Audette-MA)
 9570 0240 RB: EE-OM w/talk on Romanian economy.(342 Blom & Van Beurden-NY)
 9690 *2100 RB: EE-IS, ID, report on Romanian-Pakistan pact.(433 1/22 Wampler-VA)
 11775 1500 RB: EE-IS, ID, freq & sked, nx pgm.(322 1/24 Zilmer-NM)
 15250 *1300 RB: EE-YL w/nx pgm, cntry on problems of today.(333 1/30 Krist-VA) I cannot
 imagine where to begin on a talk on the problems of today! Can you? tml...
 15335 1500 RB: EE-Freq & sked, nx, mx pgm.(322 1/21 Zilmer-NM)
 17815 1500 RB: EE-Freq & sked, nx, cntry, mx pgm.(222 1/22 Zilmer-NM)

SPAIN

Radio Exterior de Espana

9350 0130 RRE-IDs, nx, orch mx, cntry,(454 2/3 Thompson-NM)(Ross-ONT)(Earhart)(Stephenson
 9630 0043 RRE-EE-Spanish nx service, ID, & sports nx.(444 1/24 Harvey-QUE)(Kerrigan-IL)
 (Ross-ONT)(Speer-CA)
 11840 1924 RRE: EE-Guitar mx, ID, nx to Euro.(423 1/9 Famularo-NJ)
 11880 0110 RRE: EE-ID, YL & OM w/weather, pop mx, & nx pgm.(554 1/25 Hesch-NY)(Pfeffer-
 NY)(Grenier-CA)(Blom & Van Beurden-NY)(Johnson-CA)(Lord-CA)
 15125 2020 RRE: SS-Cntry to the Americas.(454 1/21 Van Beurden-NY)
 15365 0240 RRE: SS-ID, mx pgm.(454 1/22 Van Beurden-NY)
 17730 1840 RRE: SS-pgm of wild nx.(1/12 Cady-IL)
 17890 1755 RRE: SS-Afro mx pgm, YL & OM w/talks.(333 1/30 Thompson-CA)(Munster-GA)

SWEDEN

Radio Sweden Intl

9695 0250 RSI: EE-Mailbag pgm, mx pgm.(444 1/25 Grenier-CA)(Lord-CA)(Krist-VA)
 11705 0240 RSI: EE-YL w/ID, freqs, & sked.(222 1/26 Creamer-CO)(Wampler-VA)
 15240 1829 RSI: EE-IS, multi lingual ID, nx pgm.(222 1/15 Moman-ONT)
 17840 *0230 RSI: EE-IS, ID, Listeners Letters.(152 1/11 Famularo-NJ)(Moman-ONT)
 21555 1450 RSI: SW-Talks & mx pgm.(333 1/24 Zilmer-NM)
 21615 1415 RSI: EE-YL w/"Weekday" interviewing several authors.(544 1/14 Coleman-MA)
 (Schlesinger-TX)(343 1/10 Farmer-TN)(Bellard-OH)
 21700 1415 RSI: EE-Feature on birds in Sweden.(233 1/27 Manning-TX)

SWITZERLAND

Swiss Radio Intl

3985 0700 SRI: EE-Nx pgm, ID, wild nx.(444 1/14 Famularo-NJ)(Ross-ONT)(Sarkisan-MI)
 6135 0140 SRI: EE-IS, time check. Does anyone know the name of the tune of the SRI IS?
 (444 1/23 Demmitt-PA)(Stephenson-CA)(Forbes-TX)(Blom & Van Beurden-NY)
 9560 0700 SRI: EE-"Grapevine" pgm, occasional woodpecker.(333 1/16 Berri-CA)
 9785 *0444 SRI: EE-"Dateline" nx, cntry, talk on a match factory.(555 1/15 Krist-VA)
 (444 1/26 Thompson-NM)(444 Annis-IN)(433 Speer-CA)
 15125 1530 SRI: EE-Nx pgm, Swiss Shortwave Merry-Go Round.(333 1/23 Zilmer-NM)
 15300 2145 SRI: EE-Feature on Red Cross christmas doings.(333 1/16 Schlesinger-TX)(Zilmer
 21570 1316 SRI: EE-Wild nx pgm, weather.(333 1/26 Manning-TX)(Earhart-PA)
 25870 1430 SRI: FF-Talks, mx, s/off @ 1515.(252 1/18 Zilmer-NM)(Audette-MA)

UNITED KINGDOM

BBC

3975 0650 BBC: EE-English lessons. Have'nt logged since Oct. 76.(454 Earhart-PA)
 5975 0200 BBC: EE-Nx pgm, report about unknown ship bcsting BBCs signal on a distress
 freq.(Dugway-MA)(Traver-CA)
 6150 0558 BBC: EE-IS, TCs.(423 1/24 Ulmer-LA)
 6175 2330 BBC: EE-"A Touch of Genius".(1/18 McCants-LA)

UNITED KINGDOM/ (continued)						
6195	1130	BBC (444 1/27 Peterson-CT)	15104	1903	BBC	(Krist-VA)
7200	0542	VOA (Ross-ONT Earhart-PA)	15180	1650	BBC	(Mitchell-NH)
7325	0200	BEC: (Thompson-NM)	15260	0030	BEC:	(555 Kobylski-MD)
9510	0745	BBC (Forrester-SC + 3)	17830	1650	BBC	(544 Schroeder-WI)
9670	1939	VOA (454 Krist-VA)	17790	1400	BBC	(Brown-NV)
9915	0450	BEC (433 Sable-CA)	21550	1500	BEC	(323 Smith-FL)
11750	0255	BBC (454 Forbes-TX)	21710	1500	BBC	(333 Johnson-TX)

U S S R/		R.Moscow				
4635t	0125	RD: TD-222 Uerlings-OR	11630	1715	RM	EE-Berri-CA
4860	0305	RM: EE 343 Black-CA	11765	1550	RP&P: EE	433 Miller-CA
5015	0522	VR: RR 333 Ross-ONT	11770	1937	??	RR Traver-CA
5040	1205	RT: RR 323 Chituck-Italy	11775	2215	??	RR Traver-CA
5065	2020	PR: RR 232 Chituck-Italy	11785	*1200	RT	EE Krist-VA
5905	1340	RM: EE 434 Lord-CA	11840	1400	RM	EE McCants-LA
5920	2120	RM: EE 333 Ross-ONT	11860	1625	RM	EE Krist-VA
5930t	0330	RM: RR 222 Uerlings-OR	11950	0558	RM	EE Mountain-BC
5950	1935	RM: FF 544 Chituck-Italy	11970	1943	??	SL Traver-CA
5980	1835	RM: DD 433 Robinson-Australia	11990	0725	RR	RR Traver-CA
7115	0000	RM: EE 353 Fraser-MA)	12010	0850	RM	EE Sclesinger-TX
7150	*0030	RK: EE 444 Krist-VA)	12050	0200	RM	EE Johnson-CA
7205	0306	RK: EE 444 Munster-GA	15100	0259	RK	EE Grijalva-AZ
9520	1921	??: RR 444 Traver-USSR)	15135	1230	RM	EE Chituck-Italy
9600	1220	RM: EE 444 Demmitt-PA)	15205	1130	RM	?? Chituck-Italy
9610	0000	RM: EE 444 Fraser-MA)	15240	0025	RV	EE Byron-NY
9710	2000	RM: EE 342 Schlesinger-TX	15450	1300	RP&P	EE Smith-FL
9750	*0030	RK: EE 444 Krist-VA	17810	1215	RM	EE Demmitt-PA
9765	0400	RM: RR 544 Earhart-PA)	17870	2317	RV	EE Wampler-VA
9800	0036	RM: EE 444 Ross-ONT	21530	2330	RM	EE Valentine-CA

VATICAN STATE/		R.Vaticana				
9645	1950	RV: EE-YL w/Holy Rosarie.(444 1/11 Famularo-NJ)(Traver-CA)				
11715	0650	RV: LT-Bcst of Latin Mass.(444 1/11 Famularo-NJ)				
11810	1604	RV: EE-OM & YL w/Polish nx pgm.(433 1/16 Lucas-CA)(Miller-CA)(Zilmer-NM)				
11845	0100	RV: EE-Series on Martyrs, QRM by FEBC.(433 1/19 Schlesinger-TX)(Krist-VA)				
15110	1500	RV: EE-ID, religious mess, mx pgm, OM/YL anncr.(444 1/16 Williams-MN) + 2				
15120	1605	RV: EE-Cmtry, Afro nx pgm, ID.(222 1/9 Ray-PA)(Johnson-TX)				
17810	1500	RV: EE-Religious pgm, nx pgm, // 15110.(232 1/21 Zilmer-NM)				

YUGOSLAVIA/		R.Yugoslavia				
9620	2219	RY: EE-Nx, ID, cmtry on Yugo.(333 1/17 Harvey-QUE)(433 Wampler-VA)(333 Ross-ONT)(333 Schlesinger-TX)(Burke-VA)(Murff-NM)				
17840	0240	RY: EE-OM w/cmtry.(222 1/25 Creamer-CO)				

UNIDENTIFIED/		
6208	0731	??: ??-Nx pgm about Poland and Solidarity in unfamiliar lang. Vatican off freq? (343 1/14 Moman-ONT)

I recently ordered some books from CRB Research. One of the books was not at all what I expected it to be, so I sent it back the same day that I received it. I also included a dollar for return postage ~~for~~ another book that I thought I might like. A month later I received the book that I sent, along with this letter on the right. In my opinion anyone who sells books by mail order (sight unseen) should be willing to take them back or swap them for books of the same value if a customer wishes. Either CRB does'nt care about their customers or they do not really want to sell books. Do you think I am being unreasonable? I would appreciate your opinion. I'm not trying to tell you not to order from them but its certainly doubtful that I ever will again. Just remember that whatever you order from CRB is yours to keep.

I hope everyone has a nice March. It will be welcomed here in Alabama along with some warm weather.

73s & The Best

Jerry

Mr. Lindley,

Enclosed herewith is your book which we are returning to you.

Our books are fully, accurately, and in great detail, described in our literature. We are sorry that you did not find the book to be what you expected, however you do not state how its contents differed from the information we offered in our descriptive literature.

This book is therefore being returned to you as we do not offer our books on approval or under a library basis. In fact, our literature clearly states that all sales are final.

We have used the \$1 you sent as the postage to return your book to you.

Sincerely,

R. L. Smith
R. L. Smith

SWBC DX

AFRICA

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FEBA

Seychelles



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

Radio Television Kaduna

ODDS AND ENDS...

Welcome to another month of "DX Africa" in SPEEDX. Reception has not been the best for the past two weeks, but before that, conditions to Southern Africa were excellent. At least five SPEEDXers report reception of Radio Lesotho on 4800 kHz this month (the station is being heard from coast to coast), so if you have not tried for this rare stn., by all means do. GERRY MOUNTAIN somewhere up there in the Great White North asks if I would give a quick rundown of my current equipment setup. Sure, Gerry. My main rx is a Hammarlund HQ-180 (with a KRS digital frequency readout), a Drake SPR-4, Allied SX-190, Panasonic RF-2200, and a Realistic DX-160. I also own a pair of Bearcat scanners (the BC 350 and BC 210XL), plus a Panasonic reel-to-reel tape recorder, an MFJ 752 dual tunable filter, and an MFJ 1020 active antenna. My apologies to those I may have misled the last time I gave a rundown (in October) when I facetiously stated that it's not that I love to collect equipment but that I can't get rid of this stuff...

THANKS TO RON HOWARD

Ron recently sent me a copy of the QSL letter he received from South West Africa People's Organization (SWAPO) of Namibia from a broadcast he heard October 11, 1981, on 9535 kHz. If space permits, we'll show it at column's end.

HOT TIPS SECTION TO RETURN ON REGULAR BASIS NEXT MONTH

Thanks to your positive input, we will begin running a regular "hot tips" section of "DX Africa" beginning next month. All logs in this section will be featured by time. This section will always lead off the column, and will never take up more than a page. Look for it next issue.

ALGERIA

15370 2000 RTVA (R. Algeria); EE, nx, stn ID, pop mx show, 333, 1/17 (S. Harvey, QUE)

ANGOLA

9535 1630 R. Nacional; "Voice of Namibia" px, EE/??, out of Afro lang px from Luanda into nx from Moscow, then YL w/vile cmty on what SWAPO wants to do to South Africa, 433, 1/19 (Murff, NM) 1650, EE/Vern, ID, chants (Hotaling, NV, Sams, Ark., Moman, Albt.)**If someone has a nice tape of this, I'd love to hear it. Cassette or reel-to-reel would be fine. mln.
2242, EE, YL w/tx on Poland, Namibia, 232, 1/14 (Moman, Albt.)
11955 0545 R. Nacional; PP, ID "Aqui, Angola," EZL mx, 1/23 (Wilkins, CO), 1630, EE ID, nx px, cmty, (Moss, CA)

ASCENSION IS.

11720 0657 BBC Relay; FF, "EE by Radio" (for FF speakers) (Traver, CA)
11820 0206 BBC; PP nx abt Poland, 1/30 (Sable, CA)
15360 0403 BBC; EE world nx (Earhart, PA)
21660 1430 BBC; EE, rock salad w/Thin Lizzy, Black Sabbath, 1/25 (Grijalva, AZ)

BENIN

4870 0440 LV de la Revolution; FF, hilife mx, 323, 1/14 (Witte, CA), 2111, OM tx in FF, ID at 2128 in FF, 343 (Leite, MA+3)

BOTSWANA

4845 0350 R. Botswana; EE/LL, IS played on cowbell w/vocals by cow and chicken, s/on 0400, OM prayer in EE, EZL mx, 444, 1/19 (Murff, NM, Sams, AR, Parks, FL +1)

CANARY ISLANDS

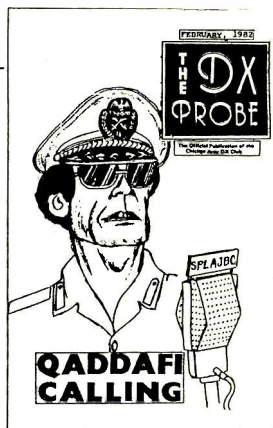
11815 2325 REE; SS, comments by YL/OM, nx, ID, orch mx, vocals, 2/3 (Thompson, NM)
15365 *0230 REE; pop mx, plenty of IDs, "De Espana en Canarie", memories of a '67 visit, HI, 1/30 (Creamer, CO)

CAMEROON

4750 0325 R. Bertoua; FF, AM rock, local mx, ID by OM at 0332, very early s/on, 1/23 (Parks, FL) Usually, around 0430...mln.
4850 0535 R. Yaounde; EE, YL w/readings from Bible, nx at 0600, 444, 2/7 (Bob Raymond, MA, Greg Raymond, MA)

- 5010 0530 R. Garoua; EE, local and Afro nx, world nx, OM, 333, 1/27 (S. Harvey, QUE) 2130, Vern., continuous ME-style mx, YL tx 2153, NA, 2200*, 1/10 (Famularo, NJ) //
- CENTRAL AFRICAN REPUBLIC
- 5035 0503 LV de Cent. Afr.; tent. 1/16, in FF, relg-sounding selections, including a 4-part version of "Joy to the World", poss. ID at 0530, mentions of Bangui, (Hardester, CA) **Interesting in that Lesotho plays "Joy to the World" throughout its 15 minute relg px at s/on. mln. 2200, ID, FF nx by OM (Ray, PA)
- CONGO
- 3264 0440 RTVC; FF; Afro mx, FF, OM, mentions "Brazzaville," poor 1/30 (S. Harvey, QUE, Sams, AR, Murff, NM)
- ECUATORIAL GUINEA
- 5003 0545 R. Nac/R. Ecuatorial; tent. 1/16, w/OM in SS, numerous R. Nacional IDs, mentions of Bata, mentions of Malabo, Rio Muni, but no def. ID, nx at 0600, to commentary (?) on telecommunications, no sign of 4926 or 6250 (Hardester, CA) 0533, fair (T. Black, CA) **Welcome to column Tom. 2130, Vern/SS, tribal mx, station ID, gave freqs in SS, 2142* (S. Harvey, QUE)
- 4925 0424 R. Ecuatorial; SS, *0424, NA, hi-life, Afro vocals, disco, 0500, mx px in Vern., ID for "R. Nac. Ecuatorial", 1/15 (Wilkins, CO) 0604, SS, ID, (Potorti, NV), 2054, UNID, but suspect Ecuatorial w/EZL ballads, fading badly by 2200, 121, 1/14 (Moman, ALB) 0433 (Parks, FL)
- EGYPT
- 9475 0243 R. Cairo, EE, px on Islam, IDs, listener's letters (Famularo, NJ) +8
- 9805 2115 RC; EE, ID, local mx, nx, tx on Islam (Famularo, NJ)
- 12000 0200 RC; EE, local mx, ID and freqs by YL, 434, 1/27 (Fortmann, IL)
- ETHIOPIA
- 7110 0415 VoRE; Amharic, lots of mx, definite ID, OM/YL tx, 333, 1/16 (Alexander, NC)
- 9560 1509 VoRE; tent., no confirmed ID, same px as before, nx 1530, 7165 not hrd, 342, 2/7 (Norcross, CA), 1955, tent. ID, flutes but different IS than on 7110 at 0400 and 9560 at 1500. Strange... (Nikolich, IL)
- 9595 *1900 VoRE; EE, group singing, drums, ID by YL, "Voice of Rev. Ethiopia," ID by OM, into "V. of Namibia" px, nx, cmty, IDs as "R. Freedom," 333, 1/28 (Carlson, WA), 1930, EE, "Swapo will win, Namibia will be free", "Radio Freedom, VO African National Congress," machine gun fire, 1/21 (Sams, AR)
- GABON
- 4811 2203 Africa #1; FF, pop mx, time checks, IDs, 2245, nx (Tate, WV, Stone, ONT) 0545, mx, ID in FF (Speer, CA)
- 11755 0630 ANO; EE, nx about Begin/Haig tx in Jersalem, sports nx, Afro mx, nx abt Poland, 1/10 (Byron, NY, Fortmann, IL), 2030, FF, sports event best live, 454, 1/20 (Thompson, NM, P. Thompson, CA), 2125, (Traver, CA)
- 15435 2114 RFI Relay; FF, ID, nx, pop mx, 2130* (Wampler, VA), 2005 (Alexander, NC)
- GHANA
- 3366 2237 GBC-2; Relg tx by OM in EE, 1/11, 333 (Leite, MA)
- 4915 0612 GBC; nx in EE at 0600, 2/7 (Bob Raymond, MA), 2340, choral mx, into EE nx by YL, weak lvl, 1/31 (Burke, VA)
- LESOTHO
- 4800 *0400 R. Lesotho; sudden s/on w/NA, ID by OM in lang, mention of 891 kHz, 337 meters, and others frequencies, but not SW, into relg px using "Joy to the World" as a musical bridge, nx in Sesotho at 0415, HIC#197, been trying for this one for 'bout 9 years, 1/18 (Nikolich, IL), 0400, s/on w/NA, ment. "Lesotho, Maseru," singing by group, nx 0414, 1/29 (T. Black, CA). Also noted by Witte, CA, Sams, ARK., Parks, FL, & Potorti, NV.
- 9515 0358 BBC; ID, IS, no site mentioned, very irregular, but stronger tonite than 9510 UK, "DX-desk," etc., 322, 1/10 (Rick Lucas, CA)
- LIBERIA
- 3230 2208 ELWA; Vern/EE, afro songs, ID in EE, NA, 2220*, 1/23 (Cohen, PA) **Last month, ELWA was reported on 3220. Thought actual freq was 3227 kHz. Listed in '82 WRIVH as 3230. mln.
- 4765 0700 ELWA; EE, world nx by BBC, into relg px, all EE, 2/5 (Forrester, SC) 0735, EE relg (Ross, ONT)
- 6130 0030 VoA; EE, "Issues in the News," 1/25 Demmitt, PA)
- 11930 0625 ELWA; EE/FF/LL, IS w/multi-lingual IDs, into px in lang, 444 (George, TX), 17870 1726 VoA; "Nightline Africa" 353, 1/23 (K. Krist, VA) Traver, CA)
- 21660 2209 VoA; EE, ID, world nx in special EE (Prime Minister Thatcher's son found alive in Algeria...), 354, 1/14 (Wampler, VA)
- LIBYA (Our most popular station this month by far!)
- 11815 2336 R. Jamahiriyyah; EE, tuned in to world nx and a commentary (strong anti-USA), 2354, full ID, "You are tuned to R. Jamahiriyyah, the Voice of the Socialist People's Libyan Arab Jamahiriyyah. Our Frequency is 11.815 MHz, 25 meters in the shortwave band." Address given, P. O. Box 333 or P. O. Box 4598, Tripoli, Libya," 2357, NA, 0000, px in AA, good, 1/20 (Howard, CA) "Another bizarre development this month... a 1-hr EE px from Libya. Me thinks the propaganda war has heated up. Wonder if they'll QSL now that

they have this EE program???"(Cunningham, OH) "I was surprised to hear an EE program from Libya. OM tx about wealth at 2310."(W. De Ring, NJ) *0002-0058*, EE w/NA, IDs, Holy Koran, press review, readings from the "Green Book," commentary on Algerian conference, up-tempo disco/jazz mx, gave address, fair (Gavaras, MN) **To the right is the cover for the February issue of the CADX DX-PROBE. All DXers within a 150-mile radius of the Chicago area are eligible for membership in CADX. Write c/o the address at the beginning of this column. Another good club is DX SOUTH FLORIDA. All Florida DXers are encouraged to write: 3156 N.W. 39th Court, Ft. Lauderdale, FL 33309, USA. Membership in this club is FREE!



IVORY COAST

11920 2115 RTVI; FF, tx, local mx, drums, instrumentals, one ID, 454, 1/23 (Thompson, NM) 2205, good lvl in FF w/tx by OM/YL, ID, 2/6 (Lobdell, MA)

MADAGASCAR

9715 2045 R.Nederland; EE world nx, ID, 1/12 (Farmer, TN)
 15220 *1830 RN; EE, px review, world nx, ID (Famularo, NJ)+1
 21685 2040 RN; EE, DX nx (T. Smith, FL)

MALAWI

3380 0330 Malawi BC Corp.; Vern/EE,(actually, lang is probably Chichewa. mln.) Nx in lang at 0330, native mx, EE ID by OM at 0340, bad het from UTE afterward, fair/poor, 1/20 (Parks, FL, Sams, AR, Murff, NM)

MALI

4783 2215 R.N. du Mali; FF, native mx, OM tx in FF, ID at 2230, into FF nx, strong het, 333, 1/15 (Ross, ONT), 0644, Vern/FF, 1/22 (Ross, ONT)
 4838 2215 RNDM; FF, same px as 4783, 1/15 (Ross, ONT)
 5995 2310 RNDM; AA, //4783 & 4838, so must be Mali, 1/13 (Moman, ALB)
 7110 0710 RNDM; FF, Afro mx to 0729, then into local lang w/OM tx and tribal mx, 0800, into AA (Wilkins, CO)
 11960 0717 RNDM; FF, marching band mx, OM tx, 2/7 (Traver, CA)

MAURITANIA

4845 2345 RN Mauritanie; chants, AA mx, 2349, OM tx in lang, 2400*, 2/7 (Mitchell, NH) 0558, AA, s/on w/guitar IS, OM tx, "Huna Nouakchott," chants by male w/guitar, 343, 1/11 (T. Black, CA)

MOROCCO

9760 2120 VoA Relay; EE, ID, State of the Union address highlights, 1/27 (Wampler,WA)
 15245 1828 VoA; tx in FF, looking for Zaire, 1829, 222, 1/15 (Moman, ALB) Thanks for this tip, Don. Keep that in mind other SPEEDX members! mln.
 17710 1927 RTVM; AA, chants, 545, 1/17 (Maki, ONT)

MOZAMBIQUE

3344 0320 R. Mocambique; PP, afro mx, PP tx w/mention of Maputo. Must be 3338 drifting. It sounded like 10kW, 1/13 (Sams, AR) **Listed in '82 WRTVH as 3342 kHz. I've seen reports for 3344 freq. in other publications.
 4925 2110 RM; PP, tx by OM, many mentions of Maputo, full ID at 2129, into NA at 2130, off air at 2133 (Ross, ONT, 1/15)
 9619a 1553 RM; PP, ID, 3 chimes, several garbled IDs or slogans, ID at 1600, "R. Nacional en Maputo." 1/24 (Lucas, CA) 1618, tx by OM + child, 1/15
 11819 0435 RM; PP, OM w/ID in PP, nx, nice audio, 1/20 (Sams, AR) (Potorti, NV)
NAMIBIA
 3270 0230 R. South West Africa; good lvl 1/28, in (presumed) Afrikaans w/OM giving ID at 0245/0300. Mostly mx, jazz, pop and others. Guitar IS followed by bells/chimes, then ID and back to mx, //4965 (Hardester, CA, T. Black,CA)
 4965 0300 RSWA; Afrikaans, wide variety of mx, EE ID by OM as "All night svc. of RSWA" at 0319, 1/23 (Ray, PA, Potorti, NV, G. Raymond, MA); 0107, EE, pop mx, ID by OM, 1/28 (Sarkisian, ??), 2145-2300, (Leite, MA)

NIGER

5020 0528 ORTN; FF, NA, ID by OM, Koran chants, native mx, 1/11 (Parks, FL)

NIGERIA

4770 0530 FRCN/Kaduna; EE nx and commentary, 333, 1/28 (Cox, LA, Cohen, PA)
 5965 0605 FRCN/Jos; EE, nat'l nx, 0616, relig. px, faded by 0625, 1/24 (Wilkins, CO)
 6050 0604 FRCN/Ibadan; EE/Vern., nat'l nx, nx analysis, 0621, relig svc in Kikala lang., 343, 1/24 (Wilkins, CO)
 6195 0608 FRCN/Sokoto; EE, nx and ID in EE, 443, 1/26 (Speer, CA) **more details, pse.
 7145 0606 R. Kwara; nat'l network nx, nx analysis, 0615, very sudden f/o from SIO 433 to 111 at 0618, 0620, disco and pop, 1/15 (Wilkins, CO) **Nice log. mln.
 7255 *0455 V.Nigeria; EE s/on, OM px rundown, afro pop (Thompson, CA, Fortmann, IL)
 11770 1745 VoN; EE local nx, press comments by OM, 1/26 (Carlson, WA)
 15120 1540 VoN; lang and EE, tx, bells, African nx, piano mx, ID at 1600, 1/19 (Thompson, NM), 1654, EE/AA (Thompson, CA), 1835, EE, African nx (Ray, PA)

15120 2135 VoN; EE, ID, world nx, cmt, Nigeria's leadership role in Africa (Wampler,WA)
 RWANDA
 9565 0100 DW Relay; EE, nx, conservation agreements, science & environments (Demmitt, SAO TOME e PRINCIPE PA)
 4807 0545 R. Nacional; noted 1/19, PP tx by M&W, infrequent ment. of "R. Nacional", poss. ID w/OM, complete ID not hrd, QSL from ANO (4811) (Hardester, CA) 2250, PP, U.S. pops, nx by YL, flute IS, ID by YL, NA, 2300* (Parks, FL)

SEYCHELLES

11820 1615 FEBA; Hindi, ID & tx by OM, unknown px, 433, 1/25 (Miller, CA)
 15200 0415 FEBA; EE, youth for Christ px, 343, 1/31 (H. Tate, WV)
 15307a*1745 FEBA; EE/lang., IS, EE ID, "On Top of Old Smokey" theme mx, into AA-like YL, OM tx, 333, 1/9 (Famularo, NJ)

SIERRA LEONE

5980 0715 SLBC; EE, obits, messages from S.L. and neighboring ctys, 1/24 (Wilkins, CO)

SOMALIA

6095t 1450 R. Mogadishu; lang, mx, 1500, tx by OM, 1510, AA or oriental type mx, this is the best I can come up with. Anybody else any luck?? 1/24 (Norcross, CA)

SOUTH AFRICA

3930 0316 Capital Radio; possibly the stn. here w/accented EE OM. QSL from stn several months ago said freq would change. First time a log noted on freq since original reception last November, 222 (Hardester, CA)**Worth Investigating.

RSA SURVEY OF FREQUENCIES...4835 (2145), 4880 (0420), 4990 (0402-0427), 5980 (0358), 7270 (0410), 9580 (0230), 11860 (2145) 11750 (0430), 11900 (0200-0400), 15220 (0428), 15325 (0158-0225), 17775 (1900-2120), and 25790 (1300-1520). Thanks to 25 reporters.

SWAZILAND

3200 0310 TWR; s/on at 0310 w/IS (bells), anmt by OM, "This is TWR, Swaziland.", into relig. px (T. Black, CA, Potorti, NV)

4760 0324 TWR; relig w/tx by OM, 0355, s/on w/bell IS, EE ID, 343, 1/10 (T. Black, CA)

6155 0323 Swazi Comm. Radio; 0323-0346, EE w/inst. pops, ads for & Thompson, CA) Lexington cigarettes, etc., IDs as Radio SR, poor, 1/16 (Gavaras, MN, Sams, WA)

11740 1646 TWR; EE, OM, relig tx and mx px, ID (Mountain, BC) AR, and Parks, FL) 1735-1800*, beautiful group vocals (Carlson, WA) **With WRNO on 6155, I

11760 0445 TWR; EE, IS followed by OM w/px line-up into relig. doubt if SCR will be hrd much here anymore.

11955 1330 TWR; tx by YL, good, in EE, definitely TWR, heard IS here, 1/28 (Miller, CA) **Haven't seen TWR rptd on 11955.mln.

TANZANIA

4785 0320 R. Tanzania; East afro mx, multi-lingual ID 0330, R. Pemba just for you." 0400, time pips, YL mention of Dar es Salaam, 1/16 (Murff, NM)

9684 1532 RT; EE, commercial relay, auction bids anncd on air, 423 (Robinson, Aust.)

TOGO

5047 2203 RTV; FF, OM, nx, (Ross, ONT)

UGANDA

15325 0255 R. Uganda; EE, inst'l mx under RSA til 0258*, 0300, IS, OM ID and TC, more inst. mx, 343, 1/10 (Thompson, CA), 0300-0400, EE, country mx, Afro selections, speech by Pres. of Uganda (Metairie, LA) Also noted by Pfeffer, NY, Wilkins, CO, and Averill, MA)

ZAIRE

15245 2025 LV du Zaire; FF, mx, drums, OM ID, tx, 322, 1/14 (Alexander, NC), 2259, tent. log w/brass type tuning sig, poss. ID, 333, 1/14 (Moman, ALB)

ZAMBIA

3345 0312 R. Zambia; jazz piano mx, OM DJ, freq. mentions of Lusaka, 1/17 (Murff, NM)

4909.7m RZ; tuned for IS, 0355 on 1/19 only to find hvy QRM on freq, noted ID 0400 by OM, inst mx, march mx, 333, 0419 f/out Hardester, CA)

ZIMBABWE

3306 0320 R. Two; EE, EZL mx, TCs/IDs (Murff, NM)


3396 0335 R. One; EE, playing some heavy duty US mx, TCs almost every minute, 534, 1/18 (Maki, ONT), 0341 (Farmer, TN), 0418, TC w/chimes, commercials (S. Harvey, QUE) 0407 (Speer, CA), 0320 (Murff, NM)

UNID SECTION

4909.7 2315 UNID Africa; weak, not EE or FF, hrd last two days, drums in b-grnd, no wild chants, 1/13-14, also at 0636 (Moman, AB) s/on in middle of "Hey Jude" inst, other MR inst, Afro hi-life, 444, Uganda?? (Hardester, CA) Mike also notes UNID on 17900 at 1755 w/drums IS, garbled ID, maybe FF. That's all for now. 73. mln.

15325 *0406

South West Africa People's Organisation (SWAPO) OF NAMIBIA
 Department of Information and Publicity
 Solidarity-Freedom-Justice
 P. O. BOX 953
 TEL. 3924
 LUANDA, R. P. A.
 2nd December 1981.



Dear comrade Ronald Howard,

Thank you very much for your letter you wrote to the Voice of Namibia on 15th October this year (1981). We were very delighted to learn that our radio programme are heard clearly in some parts of the United States such as California. Your feedback is very encouraging indeed.

Yes, it is true that there are many people in the States who do not know about Namibia and the liberation struggle that has been going on for many years now. But if any foreigner like a regular listener to the Voice of Namibia, I am sure he will be able to know and to understand why the people of Namibia are still fighting militarily. The country is under the illegal occupation of the racist regime of South Africa. The regime is adamantly refusing to withdraw its illegal presence from Namibia - denying all UN resolutions and decisions. The people of Namibia, had no alternative but to fight with guns in their hands! We may be having elections by next year, according to negotiations that are underway between South Africa and the western "Contact Group" of US, Canada, Britain, France and West Germany.

We are also very doubtful if at all United Nations supervised elections will really take place in Namibia. Because the Pretoria regime has been afraid of such elections. For the reason is none of the fact that, if elections in Namibia happened to be under the UN supervision and control, obviously SWAPO will win. With this piece of information, I am still looking forward to receive more feedback from you.

Yours in solidarity,
 Helene Jo Joze
 Director of the Voice of Namibia Radio Service

ASIA-OCEANIA

EDITOR:

TOM SCOTT

1200 Cornwell

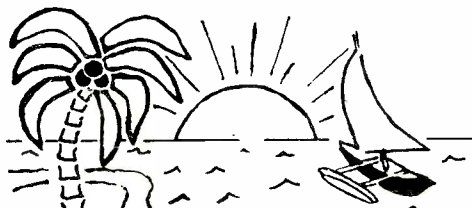
Yukon, OK 73099

DEADLINE: 12th of each month

FREQUENCIES IN KILOHERTZ

TIMES ARE IN GMT

0000=sign on 0000=sign off



Democratic Republic of AFGHANISTAN

- 4450v *0125 R. Afghanistan: ? Lang; flute, OM, TP, OM Chants // 4740 (353 1/18 T. Black-CA)
4740 0215 t-AR: ? Lang; ME Mx, TP, Cmty, Nx (353 1/31 Connell-CA) (Parks-FL)
(Uerlings-OR) (Witte-CA)
6230 1220 RA: Pushto/Dari: YL, Mx, Chants (322 1/3 Newton-GA)
9665 1910 RA/relay via tx in USSR: EE; Mx, Mailbag, OM/YL (222 1/29 Harvey-QUE)
(Sams-AR)

People's Republic of BANGLADESH

- 15285 1700 R. Bangladesh: AA; ID, Nx (1/21 Sams-AR)

Socialist Republic of the Union of BURMA

- 5985 1500 Burma Broadcastig Sce: EE; Mx // 5040 (423 1/21 Lord-CA) (Hotaling-NV)
(Wilkins-CC)

People's Republic of CHINA

- 2340 1439 Fuzhou, Fujian PPBS: CC; YL, Mx, OM Tx // 4975 (332 12/28 Lucas-CA)
3200 1104 Fujian Front Station-Px 2: Amoy; OM Tx, Mx (333 1/15 Leite-MA)
3400 1114 FFS-Px 2: Amoy: YL, Mx (333 1/19 Leite-MA)
4460 1208 CPBS-Px 1: CC; YL Tx (343 1/31 Kazaross-CA)
4750 -1226 Lhasa, Xizang-PPBS: CC; OM/YL (322 1/31 Kazaross-CA)
4840 1236 FFS-Px 2: Amoy; Mx, YL (434 1/31 Kazaross-CA)
4880 1238 R. Peking: SS/ RR; OM/YL, ID, Mx, into RR (333 12/12 Lucas-CA)
4905 2210 CPBS-Px 1: CC; YL, TP (232 1/7 Famularo-NJ)
4925 0850 Harbin, Heilongjiang-PPBS: CC; Tx, OM/YL, Mx (333 1/30 Miller-CA)
4975 1406 Fujian, Fuzhou: CC; YL (242 11/27 Pimblett-ALB)
5020 1404 Nanchang, Jiangxi: CC; OM/YL (333 1/27 Pimblett-ALB)
5240 1326 FFS-Px 1: CC; Play (555 1/31 Kazaross-CA)
5265 1545 FFS-Px 1: Amoy; Vocals (242 11/27 Pimblett-ALB)
5320 2330 CPBS-Px 1: CC; YL, ID (1/14 Sams-AR)
5900 0940 Chengdu, Sichuan-PPBS: CC; YL, Mx (333 1/10 Ross-ONT)
5950 1140 Harbin, Heilongjiang PPBS: CC; YL Mx, OM/YL (343 1/25 Famularo-OR)
6260 0040 Xining, Qinghai: CC; Mx, OM/YL (252 1/24 Famularo-OR)
6400 2320 FFS-Px 2: Amoy; Opera, Tx (1/14 Sams-AR)
6860 1910 RP: EE; Dur Px (544 12/25 Robinson-AUSTRALIA)
7095 1536 CPBS-Px 1: CC; Folk Mx, TP (444 1/13 Robinson-AUSTRALIA)
7171 1124 Lhasa, Xizang: CC; OM, Mx (444 1/16 Leite-MA)
7480 1445 RP: CC; YL, Mx (444 2/6 Grenier-CA)
7504 1048 RP: CC; YL (333 1/10 Ross-ONT)
7760 1449 RP: OC; OM (222 2/6 Grenier-CA)
9020 1130 RP: CC; OM/YL (323 1/28 Ward-QUE)
9064 1625 CPBS-Px 1: CC; OM, Mx (333 1/16 Hotaling-NV)
9920 1550 RP: ? Lang; YL Tx, Mx 1555* (543 1/28 Miller-CA)
9965 *1930 RP: Albanian; IS, OM/YL, ID, Nx (444 1/6 Famularo-NJ)
11600 0248 RP: SS; Mx, YL, Times, Fx, sudden 0258* (252 1/17 Famularo-PA)
11650 1645 RP: CC; Mx, OM/YL 1658* (444 2/11 Valentine-CA) (Lindley-AL) (Burke-VA)
(Audette-MA)
11980 0220 RP: CC; Nx (333 1/16 Cady-IL)
15120 0455 RP: EE; OM/YL (323 1/28 Sable-CA) (Sanderson-AZ) (Pimblett-ALB)
(Kerrigan-IL) (Stephenson-CA) (Drew-TX) (Blom-Van eurdan-NY) (Byron-NY)
(Schroeder-WI) (Pfeffer-NY) (Fraser-MZ) (Johnson-TX) (Moman-ALB)
(Miller-CA) (Shevchenko-BC)
15520 0115 RP: EE; OM, YL, ID, Nx (444 1/24 Forbes-TX) (Van Beurden-CA) (Thompson-CA) (Byron-NY) (Alexander-NC) (Earhart-PA) (Kazaross-CA) (Bellard-OR)

MALAYSIAPeninsular

4845 1433 RTM/Kuala Lumpur: BM; OM Nx (V Gd 1/25 Kazaross-CA)
 6100 1515 Suara Malaysia/Voice of Malaysia: Burmese; OM, Mx 1529* (322 1/27 Hotaling-NV)

Sarawak

4835 1257 RTMS/Kuching--Yellow Net: BM; Mx (433 1/31 Kazaross-CA)
 4950 1425 RTMS/Kuching--Red Net EE/CC; OM, Mx, Nx (232 11/27 Pimblett-ALB)
 5030 1312 RTMS/Kuching--Blue Net: Bidayuh; OM (434 1/31 Kazaross-CA)

MONGOLIAN People's Republic

4995 1214 Ulan Bator R./Choybalsan: Mongolian; Mx, YL (222 1/3 Newton-GA) (Sams-AR)
 6383 *1200 UBR: EE; ID, Sked, YL Nx, Cmty, 1234* // 12070 (222 1/29 Tanigawa-HI)
 12070 1202 UBR: EE; Nx, Mx, Opera, 1234* (1/30 Krist-VA) (Alexander-NC)
 (Zilmer-NC) (D'Angelo-PA)

Kingdon of NEPAL

3425 1431 R. Nepal: EE; ID, Tx (353 1/19 Hardester-CA) (Robinson-AUSTRALIA) (Maki-ONT)

Sultanate of OMAN

11890 2011 R. Oman: AA; Nx, Quran, 2113* (242 1/9 Cohen-PA)
 15310 340 British Broadcasting Corp/Relay: EE; "I Spy" Series, Mx (233 1/16 Alexander-NC)

Islamic Republic of PAKISTAN

7010 0122 R. Pakistan: ? Lang; YL Chants (322 1/3 Newton-GA)
 9870 1700 RP: EE; ID Nx // 11670 (242 1/23 Zilmer-NM)
 17620 1650 RP: EE; ID, Nx (242 1/23 Zilmer)
 17640 1600 RP: ? Lang; OM Nx (131 1/26 Burkner-VA)
 21730 2215 RP: CC; Nx, Mx OM/YL (222 1/6 Smith-FL)
 21802 1005 RP: EE; Nx Bulletin (354 1/16 Robinson-AUSTRALIA)

Republic of PHILIPPINES

9580v 0803 Radyo Pilipinas: EE; Mx, YL, Variety Px (433 1/17 Miller-CA) (Schlesinger-TX)
 9605 1130 R. Veritas Asia: EE; YL, Mx (444 1/20 Miller-CA)
 9760 1430 RVA: EE; "How to make postage stamps", Nx 1500* (333 1/21 Murff-NM)
 11715 1125 Voice of America/Relay: EE; "Psychology of Computers" Px (353 1/17-D'Angelo-PA)
 11725 1246 RVA: JJ; YL/OM, Mx (322 1/11 Miller-CA)
 11955 1440 RVA: EE; Religious Px, ID (322 1/9 Ray-PA) Miller-CA) (Zilmer-NM)
 15135 *0030 RVA: EE; YL, ID, Mx (232 1/26 Audette-MA)
 15450 2330 Far East Broadcasting Co: EE; Fx, Nx, Religious Px, Mx (322 1/21 Zilmer-NM)
 17810 0040 FEBC: EE; ID, -YL, Fx, Religious Mx, Bible Study, (222 1/15 Carlson-WA) (Blom-Van Beurden-NY) (Burke-VA) (Audette-MA)
 26000 2225 Voice of America/Relay: EE; VOA Jazz Hour (454 1/8 Smith-FL)

State of QATAR

15505 1540 Qatar Broadcasting Sce: AA; OM, Mx, Speech (333 1/26 Audette-MA) (Sams-AR)

Kingdom of SAUDI ARABIA

11685 1815 BSKSA-Home Sce/Relay: AA; Chants (333 1/14 Ray-PA)
 11855 1730 BSKSA-Ext. Sce: EE; Mx, Nx, ID (333 1/31 Connell-CA) (Robinson-AUSTRALIA)
 11965 2113 BSKSA-HomeSce/Relay: AA; OM/YL, Mx (333 2/6 T. Smith-CA)
 15060 1513 BSKSA-Home Sce/Relay: AA; OM Chants, OM (333 1/4 Ross-ONT)
 21670 1146 BSKSA-Ext. Sce: Indo; Cmty, Nx (333 1/31 Reames-JAPAN)

Republic of SINGAPORE

3915 1550 British Broadcasting Corp/Relay: EE; OM Sports Px, ID, Pips, Nx (322 /6 Lucas-CA)
 5052 1620 R. Singapore: EE; Mx, YL (333 12/21 Moman-ALB)
 11750 1830* British Broadcasting Corp/Relay: EE; OM Nx (322 2/7 T. Smith-CA)
 11940 1500 RS: EE; ID, Nx, Mx (454 1/15 Thompson-NM) (Moman-ALB) (Murff-NM)
 17715 0030 British Broadcasting Corp/Relay: EE; ID, EE by Radio (333 1/11 Wampler-VA)

JAPAN

3925 0910 JOZ/Nihon Shortwave Broadcasting Co. Ltd: EE/JJ; Mx, Telephone Corner (455 1/26 Tanigawa-HI)

6055 0550 JOZ2/NSB: EE; Lang Lesson (555 1/28 Creamer-CO) (Famularo-OR) (Speer-CA)

6155 0800 Far East Network: EE; Sports, Nx, ID (333 1/17 Speer-CA) (Van Beurden-CA) (Kazaross-CA)

7140 1314 R. Japan: KK; OM Tx (333 1/21 Miller-CA)

9505 1606 RJ: EE; Nx, Tx (444 2/6 Grenier-CA) (Pickard-IL)

9595 1630 JOZ3/NSB: JJ; ID, OM/YL 1700* (434 2/6 Sable-CA) (Schlesinger-TX) (T. Smith-CA)

9700 1200 RJ: EE; Nx, Cmty, Px to Eur // 9505, 11815 (333 1/22 Zilmer-NM)

11705 1700 RJ: EE; OM, ID, SEA/Afr Sce (444 2/4 Valentine-CA)

11815 *1700 RJ: EE; IS, EE/JJ ID, Nx (232 1/25 Famularo-OR)

15260 0236 FEN: EE; ID, JJ Lang Lesson, Mx, not stable on this fx (332 12/30 Lucas-CA)

15300 0030 RJ: EE; "Dx News", YL, OM Asian Nx 0045* (333 1/18 Carlson-WA) (Audette-MA)

15325 0611 RJ: EE; OM, Poli Tx (444 2/7 Traver Smtih-CA) (Van Beurden-CA) (Earhart-PA)

17755a 0005 RJ: EE; ID, "Hit Parade", YL (544 1/25 Hesch-CA) (Lambert-TX) (Wampler-VA) (Van Beurden-CA) (Pimblett-ALB)

17810 0311 RJ: EE; OM Cmty, ID (333 1/30 Farmer-TN) (Speer-CA)

17825 2345 RJ: EE; Nx, Weekly review, children's mx 322 1/31 Burke-VA) (DeRing=NJ) (Lambert-TX) (Lindley-AL) (Forbes-TX) (Bellard-OH) (Thompson-NM) (Wampler-VA)

21610 0130 RJ: EE; ID, Fx, Nx, Cmty (454 1/27 Lambert-TX) (Drew-TX) (Wampler-VA) (Johnson-TX) (Valentine-CA)

Democratic People's Republic of KOREA

2850 0856 Choson Chungan P/Pyongyang: KK; OM/YL, Mx, Tp (343 1/28 T. Black-CA) (Kazaross-CA)

4120 *1400 Voice of Revolutionary Party for Reunification of Korea: EE; YL ID, sked, cmty (353 1/20 Tanigawa-HI)

4272v 1205 CCP/Kangye: KK; OM/YL (433 1/31 Kazaross-CA)

6598v 1215 CCP/Pyongyang: KK; ID, Drifting Fx (1/21 Sams-AR) (6601-333 1/2 Newton-CA)

9977 *1300 R. Pyongyang: EE; Nx (222 1/28 Manning-TX) (Sable-CA) (Lambert-TX) (Burker-VA) (Miller-CA) (Speer-CA) (DeRing-NJ) (Famularo-NJ) (Kazaross-CA)

Republic of KOREA

6135v 1500 R. Korea/Suwon: EE; OM/YL, Lang Lesson (434 1/8 Miller-CA)

7275 1252 RK/Suwon: JJ; OM/YL (333 1/31 Kazaross-CA)

7550 1620 RK: EE; Interview (1/21 Sams-AR)

9570 1230 RK: KK; Nx, Cmty, ID (444 12/28 Lambert-TX)

9720 1407 RK: EE; "Mailbag"; (454 2/5 Pickard-IL) (Lambert-TX) (Pfeffer-NY) (Audette-MA)

9870 0607 RK: EE; Folk Tales, Cmty (555 1/31 Reames-JAPAN) (Miller-CA)

11810 0230 RK: EE; Korean Children's Choir singing (222 1/16 Alexander-NC) (Mountain-BC) (Pimblett-ALB)

11830 1600 RK: EE; IS, ID, Nx (322 2/6 Grenier-CA)

15575 0300 RK: Tagalong?; ID (222 1/8 Stephenson-CA)

State of KUWAIT

9840 1747 R. Kuwait: AA; OM/YL, Mx, ID (333 1/23 Ross-ONT) (Harvey-ONT)

11675 1830 RK: EE; ID, Fx, Nx, Wx, "Sports Round up" (544 1/17 Williams-MN) (Pfeffer-NY)

21545 1900 RK: AA; YL, Nx (V Gd 1/19 Kazaross-CA)

LAO People's Democratic Republic

6602v 1159 National Radio of Laos/Champassak-Pakse: Laotian; YL/OM, Mx (233 1/27 Leite-MA) (Maki-ONT)

7143v 1336 NRL/Vientiane: EE; Nx, Cmty (322 1/11 Robinson-AUSTRALIA)

Republic of LEBANON

6215 0504 W.O.R.D./Voice of Hope: EE; Pop Mx, Religious Px. Time, ID (333 1/24 Cohen-PA) (Tate-WV) (Burker-VA) (Sams-AR)

Republic of CHINA

3230 0930 Central Broadcasting System: CC; OM/YL, 1000* (232 1/21 T. Black-CA) (Schlesinger-TX)
 5980 1500 Voice of Asia: EE; YL ID, Mx (322 1/27 Hotaling-NV) (Lucas-CA)
 5980 0325 Voice of Free China: EE; Tx on funeral customs, Nx (443 1/18 Byron-NY) (Pfeffer-NY)
 5985 0340 VOFC: EE; OM on Export figures, Cmty (323 2/5 Fortmann-IL) (Kramer-VA) (Averill-MA) (Speer-CA) (Cox-LA) (Harvey-QUE) (Annis-IN)
 11740 0235 VOFC: EE; Opera, Tx, Nx (444 1/8 Bellard-OH) (Heite-MA) (Forbes-TX)
 11745 *2250 VOFC: Mandarin; Drama, ID, Anthem (Pr/Fr 1/11 Pickard-IL)
 11825 0300 VOFC: EE; "Let's Learn Chinese" Px (444 1/9 Demmitt-PA)
 11985 0400 VOFC: EE; "Let's Learn Chinese" (333 1/15 Annis-IN)
 15130 2152 VOFC: SS; Nx, Tx (343 1/14 Burke-VA)
 15270 2232 VOFC: EE; YL Tx on New Year, Mx, ID, (443 1/25 Famularo-OR)
 15345 0307 VOFC: EE; YL Cmty (322 1/30 Farmer-TN) (Lord-CA)
 17800 *2357 VOFC: Mandarin; IS, ID, IS, Nx (222 2/1 D'Angelo-PA) (Fortmann-IL) (Stephenson-CA) (Blomm-Van Beauden-NY) (DeRing-NJ)

Republic of CYPRUS

11760 0646 British Broadcasting Corp/Relay: EE; OM, Mx, ID, Time, Nx (222 1/23 Adette-MA)

Republic of INDIA

9525 0150 t-All India R./Madras: Hindi;Mx, OM/YL (322 1/16 Witte-CA)
 10335 1530 AIR: EE; YL ID, Nx // 9950, 7280 (232 2/7 Norcross-CA)
 11620 2105 AIR: EE; YL Tx (333 1/27 Ward-QUE) (Thompson-NM) (Sanderson-AZ)
 11810 *1330 AIR: EE; YL Nx, Cmty, Y (333 1/30 Krist-VA) (Zilmer-NM)
 15110 2200 AIR: EE; Nx, Cmty, Mx (222 1/21 Zilmer-NM)
 15335 1335 AIR: EE; Nx, Cmty (333 1/24 Kobylski-MD) (Zilmer-NM)

Republic of INDONESIA

3225 1128 t-RRI Tanjung Pinang: Indo; drums, Chants, OM (222 1/25 Famularo-OR)
 3325 1440 t-RRI Palangkaraya: Indo; Mx, IS, Om 1515* (333 1/1 Wilkins-CA)
 3385 1357 t-RRI Kupang: Indo; Mx, Local Nx (Pr 1/17 Gavaras-MN) (Wilkins-CO)
 3377v 1159 RRI Surabaya: Indo; Mx (433 1/31 Kazaross-CA)
 3995 1158 RRI Pontianak: Indo; RRI ID (322 1/31 Kazaross-CA)
 4119 1202 RPDT2 Garut: Indo; YL (433 1/31 Kazaross-CA)
 4720v 1020 RRI Ujung Pandang: B/M; Mx, YL/OM (232 1/26 Hotaling-NV) (Pimblett-ALB) (Schlesinger-TX) (Kazaross-CA)
 4856 1515 t-RRI Palembang: ? Lang; OM, Mx (322 1/26 Witte-CA) (Robinson-AUSTRALIA)
 4932v 1307 RRI Surakarta: Indo; YL, Mx (242 1/31 Kazaross-CA)
 5046 1606 RRI Yogyakarta: ? Lang; YL, Mx (Pr 1/18 Witte-CO)
 9612v 0547 RRI Jayapura: Indo; Mx, YL Nx, ID (454 1/10 Tait AUSTRALIA)
 11790 1400 Voice of Indonesia: EE; IS, ID, Fx, Nx, Cmty, Mx (343 1/25 Zilmer-NM) (Miller-CA) (Krist-VA) (Moman-ALB)
 15150 0811 VOI: EE; Cmty (322 1/31 Reames-JAPAN)

Islamic Republic of IRAN

3779 1415 t-VOIRI: ? Lang; Quran, Mx, OM (322 2/6 Hardester-CA)
 9022 2115 -VOIRI: AA; OM/YL (333 1/27 Ward-QUE) (Harvey-QUE)
 15084 1508 VOIRI: Farsi; Mx, Chants 1509* (333 1/4 Ross-ONT) (T. Smith-CA) (Pimblett-ALB)

Republic of IRAQ

9745 *2130 R. Baghdad: EE; IS/ID, Nx, Mx, Press Review (533 1/19 Wampler-VA) (Pfeffer-NY) (Connell-CA) (Moman-ALB) (Pimblett-ALB)
 21585 0313 Voice of the Masses: AA; Mx, OM Nx (343 1/29 Uerling-OR)

State of ISRAEL

9373 2029 Reshet Bet: Hebrew; OM, Mx (333 1/29 Harvey-QUE)
 9815 0500 Kol Yisrael: EE; Nx (333 1/29 Grenier-CA) (Sanderson-AZ) (Speer-CA)
 11635 0513 KY: EE; OM/YL Nx 0515 into FF (444 12/31 Mountain-BC)
 11640 0205 KY: EE; OM Nx, ID, "Calling all Listeners" (444 1/25 Johnson-TX) (Fraser-MA) (Schroeder-WI) (Forbes-TX) (Annis-IN) (Krist-VA) (Samblin-CA) (Hotaling-NV) (Blom-Van Beurden-NY) (Grenier-CA)
 11743 2230 KY: EE; YL ID, Nx // 11640 (322 2/7 Berri-CA)
 11960 0510 KY: EE/FF; Nx, ID, Tm, Fx, Nx in FF (333 1/13 Smith-FL)

Democratic Socialist Republic of SRI LANKA

9720 1124 Sri Lanka Broadcasting Corp: EE; Mx, Religious Px (233 1/28 Manning TX) (Sams-AR) (Krist-VA)
 11800 2015 SLBC: EE; Time Signal, ID, OM Nx, Mx (433 1/19 Carlson-WA) (Ray-PA) (Sams-AR)
 15250 0100 Voice of America/Relay: EE; Nx, "Breakfest show" (242 1/27 Zilmer-NM)
 15425 0100 SLBC: EE; Mx, Birthday wishes, "Monday Morning Show" (252 2/8 Krist-VA) (Lucas-CA)

Kingdom of THAILAND

4830 1258 t-R. Thailand: ? Lang; Mx (232 1/31 Kazaross-CA)
 11905 1000 t-RT: CC; YL, Mx (322 1/24 Audette-MA)

Republic of TURKEY

6340 0515 Türkiye Polis Radyosu: TT; Mx, YL, ID (323 1/28 Tate-WV) (Cohen-PA) (Sams-AR) (Cunningham-OH) (Gavaras-MN)
 6900 0415 Turkish State Meterological Sce: TT; Folk Mx, ID (1/13 Sams-AR)
 7215 2200 Voice of Turkey: EE; ID, OM/YL, Nx, Mx (222 1/22 Mountain-BC) (DeRing-NJ)
 9560 2228 VOT: EE; Turkish History Px (333 1/19 Sanderecn-AZ) (Pickard-IL) (Miller-CA)
 9615 *2030 VOT: EE; Nx, Review of Turkish Press, Mx "DX Corner" (353 1/23 Krist-VA) (Pfeffer-NY) (Fortmann-IL) (Carlson-WA) (Wampler-VA)
 15125 1332 VOT: EE; Nx, ID, Cmty, Mx (232 1/21 Manning-TX) (Famularo-NJ) (Farmer-TX)

UNITED ARAB EMIRATES

959G 0342 UAE Radio in Dubai: EE; Nx, ID, Address for Reports (444 1/15 (Bob Baymond-MA)
 11755v 0358 UAE R.: EE; Serial story (444 1/27 Farmer-TN) (Krist-VA) (Annis-IN) (Burke-VA)
 11940 0333 UAE R; EE; Wld Nx, ID, OM, Play, 0400* (433 1/28 Miller-CA) (Grijalva-AR)
 15320 1625 UAE R: EE; Play, YL, ID, Nx (222 1/24 Audette-MA)
 17710 1630 UAE R: EE; ID, QSL Info, Sked, Nx (322 1/19 Zilmer-NM)
 21655 1615 UAE R: AA/EE; ID, Mx, Play (444 1/25 Smith-FL) (Audette-MA)

Socialist Republic of VIETNAM

4944v 1310 Voice of Vietnam-Home Sce: Viet; Mx, OM/YL (444 1/31 Kazaross-CA) (Sams-AR)
 6450 1457 VOV-Home Sce: Viet; YL, Mx (433 2/6 Grenier-CA)
 10010 1515 VOV: CC; Mx, YL/OM (353 1/18 Thompson NM)
 10040 2112 VOV: EE; ID, "Here and There in Vietnam" (433 1/19 Wampler-VA) (Maki-ONT) (Pimblett-ALB)
 10060 1145 VOV: Viet; Play (322 1/28 Ward-QUE)
 10080 1100 VOV: EE: Nx, Cmty (233 1/30 Alexander-NM) (Manning-TX) (Fortman-IL)
 11840 1840 VOV: EE; Mx, YL 1855* (222 1/26 Carlson-WA)

YEMEN ARAB REPUBLIC

4853v 0307 R. San'a: AA; chants, YL (444 1/18 Nikolich-IL) (Ray-PA) (Sarkisian) ("Bob" Raymond-MA) (Uerlings-OR) (Cunningham-OH)
 9780v 0400 RS: AA; OM/YL Mx (232 2/7 T. Smith-CA) (Blom-Van Beurden-NY)

People's Democratic Republic of YEMEN

5060 0625 Democratic Yemen Broadcasting Sce: AA; ME Mx, YL Vocals, Chants, OM ID (434 1/9 Famularo-NJ)
 6005 0310 DYBS: AA; Chants (333 1/18 Nikolich-IL)
 11770 0600 DYBS: AA; OM, Nx, YL, Mx (242 2/7 T. Smith-CA)

OCEANIA

ANTARTICAArgentinian Sector

15475v 2245 LRA-36/R. Nacional Arcangel San Gabriel: SS; ID, Mx, YL (1/15 Sarkisian) (232 12/23 Moman-ALB)

Commonwealth of AUSTRALIA

4920 0800 VLM-4/Australian Broadcasting Corp--Brisband: EE; Nx (333 1/24 Maki-ONT) (Pimblett-ALB) (Moman-ALB) (Lambert-TX) (Speer-CA)
 5995 1127 R. Australia/Lyndhurst: EE; ID, Fx, Mx, Px Ann, ID, Wx (444 1/29 Demmitt-PA) (Lambert-TX) (Pimblett-ALB)
 6045 1020 RA/L: EE; Pop Mx, ID, TC (353 1/23 Ray-PA)
 6060 1328 RA/Shepparton: EE; "Matters of Faith" Px, Mx (454 1/30 Krist-VA) Manning
 6090 0756 VLI-6/ABC--Sydney: EE; Church service: ID (232 11/22 Pimblett-ALB)
 9570 0840 RA/S: EE; Mx, Wx, Nx (444 2/3 Creamer-CO) (Audette-MA)
 9580 1237 RA/S: EE; Econ Tx, Time, Mx (454 12/9 Earhart-PA) (Krist-VA)
 9610 1110 VLW 9/ABC--Wanneroo: EE; OM Nx, Wx, TC (444 1/31 Hotaling-NV) (Bellard-OH) (Miller-CA) (Coleman-MA) (Lord-CA)
 9680 0810 VLR 9/ABC--Lyndhurst: EE; Nx (433 11/22 Pimblett-ALB)
 9710 1413 RA/C-S: EE; Storck Reports, Mx, OM, Wx (Fr/Gd 1/25 Grijalva-AZ) (Moman-ALB) (Earhart-PA)
 9770 1621 RA/S: EE; ID, Mx, Wx (232 1/26 Wampler-VA) (Maki-ONT) (Moman-ALB)
 11740 0830 RA/S: EE; World Nx, Australian Nx, OM, Mx (444 2/5 Forrester-SC)
 11820 0754 RA/S: EE; ID, Png Sce (333 1/25 Speer-CA) (Lord-CA)
 15115 0929 RA/S: EE; OM, TC, Mx, Letters/Requests (322 1/29 Ward-QUE) (Schlesinger-TX)
 15160 0608 RA/L: EE; Spectrum Px, OM, Talk on portable receivers (343 2/7 T. Smith-CA) (Sable-CA)
 15240 0703 RA/L: EE; World Nx, ID Mx (243 1/11 Famularo NJ)
 15310 2300 RA/S: EE; Nx (222 1/21 Zilmer-NM) (Wampler-VA)
 15320 0400 RA/S: EE; Nx, fadded at 0410 (342 2/9 Kramer-VA) (Earhart-PA)
 15325? *0400 RA/? : EE; Nx, Australia Today, pop mx (322 1/22 Pfeffer-NY)
 15425 0544 VLW15/ABC--Wanneroo: EE; Western Australian Nx (343 11/17 Pimblett ALB)
 17755 0440 RA/S: Mx, OM/YL (322 12/25 Earhart-PA)
 17790? 0440 RA/? : EE; "Pick of the Week" (454 1/2 Drew-TX)
 17795 2030 RA/S: EE; OM, Mx, ID (333 1/23 Jamieson-CA) (Forbes-TX) (Wampler-VA) (Speer-CA) (T. Smith-CA) (Grosvenor-CA) (Lord-CAL) (Sable-CA) (Moman-ALB) (Thompson-CA)
 21525 0400 RA/S: EE; Nx, // 17755 (343 1/17 Zilmer-NM)
 21740 0200 RA/S: EE; ID, World Nx, Australian Nx, Cmty, Mx (454 1/30 Thompson-NM) (Johnson-TX)

GUAM

9505 1430 Trans World Radio--KTWR: EE; YL, Fx information (444 2/1 Shamblin-CA)
 9640 1546 KTWR: EE; Religious Px (333 12/23 Maki-ONT)
 11735 1116 KTWR: CC; Religious Mx, OM (342 1/26 Schlesinger-TX)
 11840 0808 KTWR: EE; OM, Religious Px (222 2/7 T. Smith-CA)
 15265 2230 KTWR: EE; Lang Lesson (322 1/26 Zilmer-NM)

Republic of KIRIBATI

16433 1820 R. Kiribati: ? Lang; Mx, ID, Nx (1/21 Sams-AR)

NEW CALEDONIA

7170 0640 R. Noumea: FF; OM (444 2/1 Van Beurdon-CA) (T. Smith-CA) (Schlesinger-TX) (Sarkisian) (Wilkins-CO) (Hotaling-NV)

Dominion of NEW ZEALAND

11945 0738 R. New Zealand: EE; Pre-election forum (444 11/23 Pimblett-ALB)
 15485 0715 RNZ: EE; Nx, Mx (333 1/16 Blake-IN) (Thompson-CA) (Sams-AR) (Hotaling-NV)
 17705 0446 RNZ: EE; OM, Mx (333 1/22 Jamieson-CA) (Miller-CA) (Moman-ALB)

PAPUA-NEW GUINEA

3385 1140 R. East New Britian: Pidg; Mx, OM (242 1/16 Schlesinger-TX) (Kazaross-CA)
 4890 0834 P2T4/Port Moresby: EE; Sports, ID, Tc, Nx Wx (444 1/25 Speer-CA) (Pimblett-ALB) (Hotaling-NV) (Moman-ALB)

POLYNESIA (French)

Tahiti
 11825 0635 France Regions 3/Papeete: FF; Mx (454 2/1 Van Beruden-CA) (Alexander-NC) (Sarkisian) (Norcross-CA) (Valentine-CA) (Famularo) (T. Smith-CA) (Mountain-BC) (Pimblett-ALB)
 15170 2202 FR3/FF; OM, Mx Ads, OM Tx..... (342 1/20 Thompson-CA) (Stephenson-CA)

SOLOMON ISLANDS

5020 1040 H4B5/Solomon Islands Broad. Corp: EE; OM, Mx (322 1/31 Hotaling-NV) (Moman-ALB) (Pimblett-ALB) (Kazaross-CA)
9545 0740 H4B9/SIBC: EE; OM, Mx, Nx (433 2/7 T. Smith-CA) (Wilkins-CO)

VANUATU

3945 0908 YBJ4/R. Vanuatu: FF; Mx (232 1/27 Schlesinger-TX)
7260 1155 YBJ7/RV: Pidgin; YL, Mx (322 1/28 Ward-QUE)

DATELINE

BBCMS COPYRIGHTED:

AUSTRALIA: R. Australia: General Service in EE: 0000-0100: 21740, 21680, 17890, 17795, 15310, 15240, 15160; 0100-0300: 21740 from 0200, 21680 (not Sa.) 21650, 17890, 17870, 17795 from 0200, 17725 (from 0130), 15240 (not Sa.) (15160; 0300-0400: 21740, 21680 (not Sa.), 21650, 17890, 17870, 17795, 17725, 15240 (not sa.) 15160; 0400-0500: 21680 (Not Sa), 21650, 21525, 17890, 17870, 17795, 17755, 17725, 15320 from 0430, 15240 (not F. Sa.) 15160; 0500-0600: 21680 (not sa) 21650 (to 0530) 17890, 17870, 17725, 15240 (not Sa.) 15160; 0600-0700 21680 (Sa from 0630), 21525 (to 0630), 17870 (17795, 17755 to 0630), 17725, 15250 (Sa from 0630), 15160, 15115 (from 0630), 11820; 0700-0800: 21680, 17870, 17725, 15240, 15115, 11740, 9570; 0800-0900: 21680, 21740, 17725, 15410, 15115, 11740, 9570, 6045; 0900-1000: 21680 (to 0930), 21470, 17725 to 0930, 15115, 6045 (to 0915 F.); 1000-1100: 21470, 15115 (to 1030), 11820, 11705, 9770, 6045, 5995; 1100-1200: 17795, 11820, 11705, 9770, 9580, 6045, 5995; 1200-1300: 11795, 11705, 9770, 9710, 9580, 6080 (from 1230), 6045, 5995; 1300-1400: 11705, 9770, 6080, 6060 (From 1330) 6045, 5995; 1400-1500: 17795, 11705, 9770, 9710, 9640, 6080, 6060, 6045, 5995; 1500-1600: 17795, 9770, 9710, 6080, 6060, 6045, 6035 (from 1530), 5995; 1600-1700: 17795, 9770, 9710, 6080, 6060, 6045, 6035, 5995; 1700-1730: 17705, 9770, 9710, 6080, 6060, 6045, 6035, 5995; 1730-1800: 6080, 6060, 6045, 5995; 1800-1900: 17795, 11725, 9580, 9505, 6080, 6060, 6045, 5995; 1900-2000: 17795, 11790, 11725, 9580, 9505, 6080, 6060, (to 1930), 6045, 5995; 2000-2100: 17795, 11790, 11770, 11725, 9580 (9505, 6080 to 2030); 2100-2200: 21650, 17890 from 2130, 17795, 15240, 15160, 11820, 11790 (to 2130), 11770, 9580 (to 2130), 6035; 2200-2300: 21650, 17890, 17795, 15310, 15240, 15160, 11820; 2300-2400: 21650, 17890, 17795 15310, 15240, 15160, 11820 (to 2330) (To all the R. Australia fans, this should keep you busy--tom)

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The room remaining, I have several items that I want to give to you.

FIRST; to all you have inquired--I am a father of a bouncing baby girl, born Valentines day and weighed in at 9 lbs 14 oz. All are doing well (I'm a proud father, even if this is number 4).

SECOND and I feel important to the club. The forms are becoming a bit sloppy. I received a number of reports this month that did not have names, or did not have frequencies, or did not have times. Friends, you are wasting a lot of postage, because these reports will not be published. HOW ABOUT CHECKING THEM TO SEE THAT YOU HAVE ALL THE INFORMATION. Though it will be easier for me to use the forms, you can still use any from that you have been using. EXCEPT, I have a gripe with some of you. Now I realize that many of us belong to several DX clubs, This is great--but we at SPEEDX try to maintain certain informatio in our bulletin. Some of the clubs do not require this information. AND SO WHEN YOU USE OTHER CLUB REPORTING SHEETS, PLEASE try and make sure you add the information that we use (especially the reception conditions, date, etc.).

Finally, I hope that you will please be above board with us. I have seen in recent months 15 loggings by a person taken all within 20 minutes of each other, on the same day, And over several different frequencies--YOU ARE EITHER DOING A GREAT JOB OR USING SEVERAL SETS ALL AT THE SAME TIME OR??? It's great to have loggings, but let's spend some time staying with them to be sure of what we have.

Well so much for now, until next time--GOOD DXING.

TOM

WORLD SERVICE STATION SKEDS

EMISSIONS

PROGRAMMI

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

TRASMISSIONI

PROGRAMS

BULLETIN DE PROGRAMMES

ENGLISH SERVICE

SERVIZIO

PROGRAMME SCHEDULE

Deadline: 12th

COMUNICATI NEL CORSO

Hello. Welcome to March, the month of lions and lambs. Hopefully it will be more lambs than lions, hi. March is here so by the time you read this the D81 broadcasting period will be history and the short interim M82 period (starting March 7th) will be in effect until the first Sunday in May. For some reason a few broadcasters seem to think February 28th is the first Sunday in March and start M82 on that date.

Unless otherwise indicated, all broadcasts are in English with times in Greenwich Mean Time. Items credited to the BBC MS are copywrited and used by permission.

On to the skeds.

ARGENTINA. RAE (Radiodifusion Argentina al Exterior) in Buenos Aires has this sked.

Everyday except Sunday.

0100-0130-	11710	The Americas
1130-1200*	"	Far East
1530-1600	"	The Americas
1630-1700	"	"
1730-1800**	"	Europe/Africa/ME
1930-2000	"	"
2200-2230	"	"

- = also on 9690 kHz

* = written sked shows as 1100-1130 instead

** = not given as announced over the air.

(W. Pickard II - over the air sked)

(F. Valentine - written sked, undated)

GERMANY(East). Radio Berlin International has this undated English sked for the "rest" of the world.

0645-0730 15450 Southeast Asia

17700 "

21465 "

21540 "

1215-1300 15450 "

17880 "

21465 "

21540 "

1330-1415 15450 "

17880 "

21465 "

21540 "

0815-0900 21575 Far East

17765 "

0945-1030 21575 "

17765 "

BRAZIL. Radiobras (Radio Nacional do Brasil) has this sked.

0200-0300	15290	Central/North Amer.
	17830	"
1900-2000	15125	Europe
	17805	"

(T. Smith)

IRAN. The Islamic Republic of Iran Broadcasting Voice has this sked,

dated January 14, 1982.

1930-2030	9770	Europe/Far East/
	9022	North Africa/Americas
		ditto

(BBC MS)

ECUADOR. Here is the new M82 sked

for HCJB in Quito, Ecuador, valid

until May 1, 1982.

0030-0130	15175	North America
0030-0200	17880	"
0030-0500	15155	"
0030-0700	9745	"
0500-0700	6095	"
	11915	"
0700-0830	9760	Europe
	11810	"
0700-1030	9745	South Pacific
0700-1100	6130	"
	11925	"
1200-1430	11740	North America
1200-1530	15115*	North/South Amer.
1230-1530	17885*	North America
1730-1800	17790	Europe
	21480	"
1900-2000	17790	"
	21480	"
2130-2200	15295	"
	17790	"
	21480	"

1900-2000

2130-2200

15295

17790

21480

17790

21480

JAPAN. Radio Japan will be changing its format for the General Service in April.

News in English for 30 minutes

at the following times: 0100, 0300, 0500, 0700, 0900, 1100, 1700, 2100,

2300 GMT

News in English for 45 minutes:

1300, 1500, 1900

News in Japanese for 30 minutes:

0000, 0200, 0400, 0600, 0800, 1000, 1400, 1800, 2200

News in Japanese for 45 minutes:

1200, 1600, 2000

The relay via Sines Portugal will continue using the same format, of 15 minutes of EE then 15 minutes of JJ starting at 0700 and 2200.

Next month we'll have the complete new sked with frequencies.

(W. Pickard II via land line)

* = Saturday/Sunday to 1600 (Direct.)

KOREA (North). Radio Pyongyang has this complete English schedule, dated January 28, 1982.

0600-0750	9420	Europe
	11945	"
0800-0950	3560	Southeast Asia
	9977	"
	11780	"
1100-1250	9977	The Americas
1300-1450	9977	Southeast Asia
1500-1650	4405	Middle East/Africa
	9977	"
	11885	"
1700-1850	4405	"
	9977	"
	11885	"
2000-2150	3560	Europe
	6575	"
	9420	"
2300-0050	9130	Americas
	9977	"

(BBC MS)

KOREA (South). Radio Korea, the external service of the KBS has this undated current sked.

0200-0300	11810	Americas
	15575	General Service
0400-0500	9640	"
	7275	"
0530-0630	9870	Europe
	15575	"
	11810	Americas
1000-1100	9570	"
1130-1230	9870	ME/ Asia/Africa
	15575	ME/North Africa
1300-1330	6135	General Service
1330-1430	9720	Americas
1600-1700	7550	Middle East/N. Afr.
	11830	Americas
1900-2000	6480	Europe
2130-2230	15375	General Service
	15575	Europe

(W. Beeman, P. Grenier, S. Reames, T. Smith)

KUWAIT Radio Kuwait has (or had is more like it) this sked which expired on March 3rd.

0400-0800	9650	Arabian Gulf
0500-0800	15345	Southeast Asia
1600-2100	9650	Arabian Gulf
1800-2100	11675	Europe/N. America

(M. Witte)

PORTUGAL. Here is the latest sked from Radio Portugal.

0300-0330	6100	ECNA
	11925	"
0530-0600	6100	WCNA
	9575	"
1600-1630*	15105	India/Middle East
1700-1730+	17880	Africa
1800-1830	15355	"
	17880#	"
2030-2100	6025	Europe
	9740	"
	11775	"

* = Not Sunday
 + = Sunday only
 # = Not Sunday, Saturday only.
 (T. Van Beurden)

SWEDEN. Radio Sweden International in Stockholm has the following M82 sked.

0230-0300	9695	North America
	11705	"
1430-1500	21615	"
2300-2330	11705	"
	15270	"

(P. Grenier)

USA. WRNO is on the air! Here is the current sked.

DAILY	1800-2000	17895
	2000-2200	15355
	2200-0000	11890
	0000-0200	11965
	0200-0700	6155
SUNDAYS	0700-1000	6145
(in add-	1000-1500	9715
ition)	1500-1800	11940

A special QSL suitable for framing is available to the first 1000* correct reception reports. Return postage (2 IRCs or sufficient postage to cover mailing) is requested. WRNO "Rock Of The World" T-Shirts are available for \$6.00 postpaid. Specify size: small, medium, large, or extralarge. Address of station is WRNO, Box 100, New Orleans, LA. 70002 USA

*The first 1000 also receive a charter membership in the WRNO DX Club.
 (Off air)

VATICAN STATE. Vatican Radio has this current North American sked.
 0100-0115 6015, 9605, 11845
 (R. Yajko)

YUGOSLAVIA. Radio Yugoslavia in Belgrade has this English sked dated January 14, 1982.

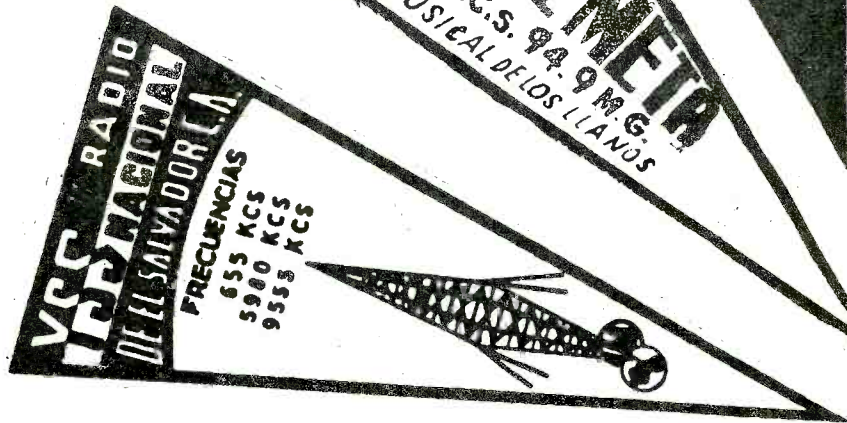
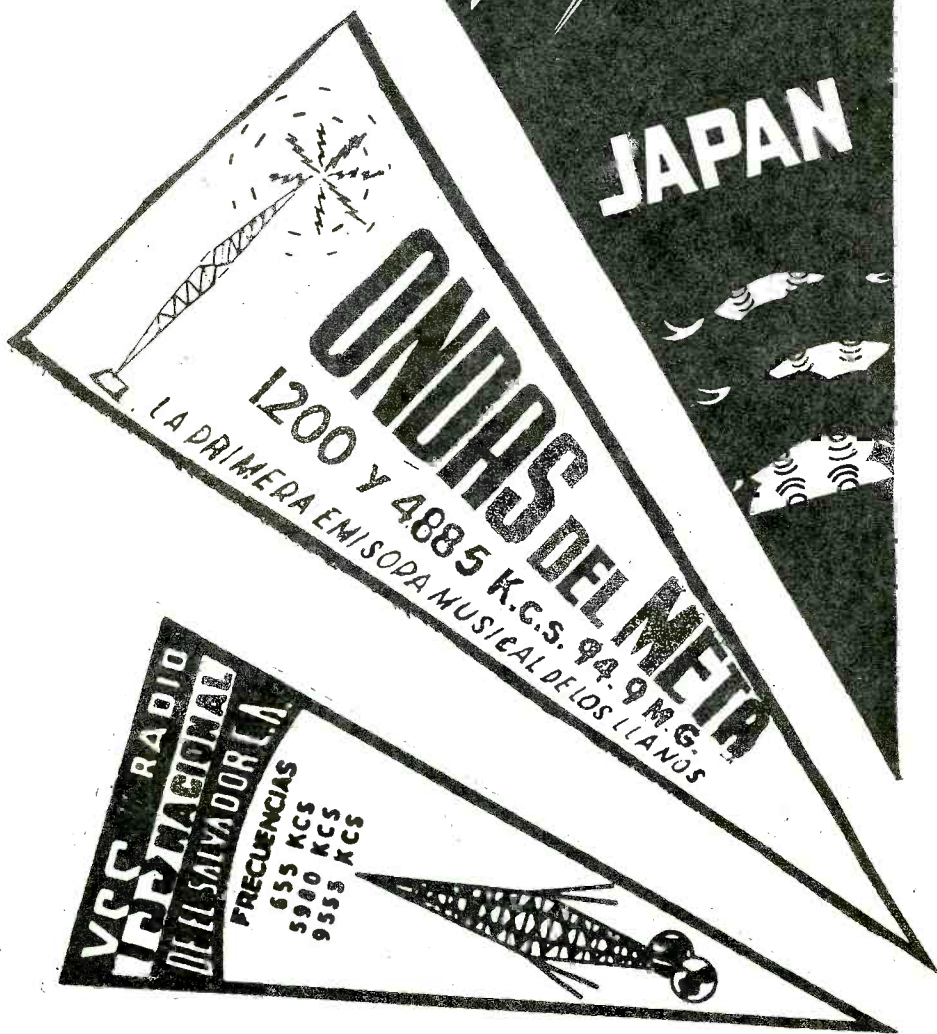
1530-1600	9620	Europe, Middle East, Far East, South & South East Asia
	15240	Europe, Middle East & Africa
	15415	ditto
1830-1900	6100	"
	9620	"
	11735	"
2000-2030	6100	"
	7240	"
	9620	"
2215-2230	6100	Europe/N. America
	7240	"
	9620	"

(BBC MS)

Well, I guess that wraps up a short edition this month. Sorry about that but the lack of current skeds and a new bout with a chronic illness has kept me from doing a third page. The next issue will be back to three pages.
 73/God Bless,

Chris

pennant parade



UTILITY SCENE

EDITOR: MIKE CHABAK
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AM RTTY USB ISB
LSB CW FAX A3H

COLUMN
COVERAGE
0-30 MHz
H.F.

Hello Gang:

As of the date when I assembled this column, the third flight of the Space Shuttle Columbia, was on for 22 March. Since many of the uts are interested in these comms, here is information on it.

The Space Shuttle itself, has NO H.F. comms capability. What you will hear on HF freqs, is the various space shuttle support activities. (SSSup).... Basically these consist of: tracking facilities, USAF search & rescue units (ARRS), Booster recovery vessels, Airborne photo/tracking aircraft, and down range tracking vessels.... All have a comms interface with Cape Radio, and other specific units in the operation..... Basic Callsigns:

CAPE RADIO - Cape Canaveral, FL Communications control center
CAPE LEADER - USAF SAR Control - 9TH Patrick AFB, FL
KING ALPHA, KING BRAVO, etc - USAF ARRS units. Although KING is normally reserved for fixed wing SAR aircraft, it is believed, for SSSup missions, it includes both fixed & helo units.
PICOPLAY - callsign for the down range tracking vessel. This ship is also referred to as "SURFACE PLATFORM" during the # 2 mission, the down range ship was the USNS GENERAL H.H. VANDENBERG.
GULL PHOTO - over the air it sounds like, GULF or GOLF PHOTO. This is a 53rd WRS WC-130 aircraft, configured for a photo mission.

LIBERTY & FREEDOM - the two United Technology Corp. Booster Recovery vessels.
DOWN RANGE TRACKING FACILITIES: These land based sites sometimes ID by name/GTH. At other times, by a number. Here is the breakdown:

- Ø - Cape Canaveral, FL/NASA Merritt Island
- 1 - Cape/Patrick AFB FL
- 2 - Jupiter, FL
- 3 - Grand Bahama Island
- 4 - Eleuthera Island
- 5 - San Salvador Island
- 7 - Grand Turk Island
- 91 - Antigua, BWI
- 12 - Ascension Island
- 13 - Pretoria, South Africa

The following is a frequency roster for NASA/USAF Eastern Test Range. All are Carrier designation (Add 1.5 kHz for USB, or Subtract 1.5 kHz for a LSB mode voice xmsn) Those freqs preceded by an (*) asterisk, indicate that the freq was used during prior space shuttle missions, and maybe so used again.

DEADLINE: 12th Day of the Month	AM RTTY USB ISB LSB CW FAX A3H	COLUMN COVERAGE 0-30 MHz H.F.
NZEL: 22533 PNG.: 8854	C 0240 ZLB- Awarua MARCO - V mkr (SK-GA) 3 1543 Port Moresby Aero wkg Manilla Aero (no name) **** ANTARCTICA ****	
8997 U 0350	NQU- Siple Station wkg McMurdo Station (MTC-AZ)	
8997 U 0236	N627Y (corp. aircraft) wkg Siple Station (MTC-AZ)	
9106 U 0308	Xray Delta 01 (VXB6 aircraft) wkg Siple Sta (MTC-AZ)	
9106 U 2349	Signy (So. Orkney Is) wkg Paraday & Grytviiken (RHP-MD)	
9106 U 2350	VSD- Halley Bay wkg Grytviiken with metro (RHP-MD)	
9106 U 2349	"BRANTFIELD" (any info on this?) wkg Grytviiken (DM-ALB)	
11552 U 0444	NRUO- CGC Polar Sea wkg South Pole Station (MTC-AZ)	
11552 U 0429	NGX- South Pole Station wkg Siple Station (MTC-AZ)	
11552 U 0424	NGH- McMurdo Relay wkg Siple Station (MTC-AZ)	
13385 C 0045	UCEB2- Bellingshausen wkg Molodezhnaya w/ WX (RHP-MD)	
13971a U 0145	NNW0NWS- USN MARS South Pole wkg NNN0ICE (AV-PA)	
**** SHIPS ****		
2182 U 0000	NRVP- USS HERMITAGE - r/c with ??? (JCH-MD)	
4097 U 0326	3EQN- MARDI GRAS p/p via WOM (TW-ONT)	
4109 U 0242	PJSU- ROTTERDAM p/p via WOM (TW-ONT)	
4125 U 1217	WYT8582-ROBIN 8 wkg KUZ 509 Harvey IA (MTC-AZ)	
4128 U 2222	VFPZ- DART ATLANTICA p/o via WOM (TW-ONT)	
4143.6 U 0448	WBZ7555- BLACKFOOT ARROW wkg W03.344 Lafayette (RBC-GA)	
4443a U 1133	MAZAWWA p/p via WLO (MTC-AZ)	
5320 U 0445	CGC CAPE GULL wkg CG Miami FL (RLR-KS)	
6300 C 0110	ENSZ- GRAD c/g ROT, USSR (MDO-NV)	
6506.4 U 1255	NODC- CGC FIREBUSH wkg CG Honolulu/San Fran (RJC-WA)	
6518.8 U 0155	NJOR- CGC GALLATIN wkg CG Miami & AVDET GIITMO (RLR-KS)	
8204.3 U 0501	KHJB- WESTWARD VENTURE wkg KMI (RBC-GA)	
8204.3 U 0407	WX8005- ROSALIE MARIE c/g KMI (RBC-GA)	
8219.8 U 0424	LPSA- SAGAFVORD c/g KMI (RBC-GA)	
8222 U 2248	LILY- ROYAL VIKING STAR p/o via WOM (TW-ONT)	
8269.4 U 0405	HBMW- AZURE SEAS wkg WOM (RBC-GA)	
8288 U 0555	KAPC- SANTA MARIA wkg WOM (RBC-GA)	
8294.2 U 0533	WH70155- GULF COMMANDER wkg KZU Harvey LA (RBC-GA)	
8362.7 C 0117	S6KF- SWIFT WARDOR (Singapore Navy) c/g NNN (RHP-MD)	
12330 U 0008	GTEW- BARBER PERSEUS c/g KMI (TW-ONT)	
12330 U 0215	KJRD- AL GURANIAH trying to work Portishead (?B-OH)	
12336 U 1908	WX9226- ATLANTIC SEAL p/p via WOO (TW-ONT)	
12345.7 U 0205	ELAT5- CANAPUS wkg WOM (7B-OH)	
12345 U 0125	WB3813- TICONDEROGA p/o via WOM (TW-ONT)	

Primary xmsn modes will be either SSB voice or RTTY data.
 5808.5 & 10778.5 (5810 & 10780 USB) are additionally utilized as
 general calling freqs.

3185.5	7385.5	11621.0	18308.5
3363.5	7410.5	12105.5	18354.0
3383.5	7459.5	12275.5	18767.5
3393.5	7510.5	13204.0	19303.0
4520.0	7523.5	13208.5	19388.5
4760.0	7674.5	13598.5	19638.5
4765.0	* 7763.5	13633.5	19926.5
4835.0	7831.5	13733.5	20184.5
4864.0	7917.5	13876.5	* 20187.5
4898.5	* 9004.5	14453.5	* 20189.5
5178.5	9020.5	14545.5	20193.5
5244.5	9041.5	14648.5	20196.5
5348.5	9130.5	14894.5	* 20199.5
* 5808.5	10303.5	15608.5	20388.5
* 6706.5	10308.5	17666.5	22753.5
6753.0	* 10778.5	17973.5	23323.5
6895.5	* 11102.5	18009.0	23411.5
6935.5	11405.5	18019.0	24238.5
6981.0	11412.5	18021.5	24912.5
7353.5	11546.5	18194.5	27063.5
			27868.5

NOTE: Some freqs will be active, days/weeks before the actual launch, for purposes of circuit testing, data exchange, etc. Additionally, many of those listed freqs, are utilized for missile & satellite launches from the Cape. So activity will be catch as catch can..... Another possible callign to watch for: - AGAR/ARIA - these are USAF RC-135N Airborne tracking/telemetry relay aircraft. (4950th Test Wing)
 Well gang, have a go at it, and see what your monitoring endeavours can come up with.
 Now onto the loggings.....

**** NORTH AMERICA ****

AK...	5519	3	0728	KIS7Ø- Anchorage Aero - VOLMET b/c (PT-GA)
	6738	U	1246	AKA5- Elmendorf Aways w/ L.N. 265 (AV-PA)
	8903	3	1525	KIS7Ø- Anchorage Aero - VOLMET b/c (JDM-MN)
BER..:	12709.2	C	1951	VRT- C&W Hamilton - V mkr (FLO-NH)
CAN..:	3330	A	1120	CHU- Ottawa SFTS - EE/FF (KWK-VA)
	4307	C	0147	GKN- CANMIL Vancouver - V mkr (JGH-NH)
	6573	U	0045	CJX- CANMIL St. Johns - WX b/c (JGH-MD)
	6746	U	0055	CFH- CANMIL Halifax- cdmgs (RDC-WV)

12354	U	2342	ZFUH- MOMBACA p/o via WOM (TW-ONT)
12551a	C	0016	GHCU- TANGALO c/g HPNGØ-Panama Canal MARCO (RMA-IA)
13250	U	0200	GOLDEN VENTURE wkg NAUTILIUS (research ships?) (GR-IL)
14470	U	2007	NNNØUG- USS TEXAS p/p via NNNØAAU (RU-GA)
14471.5	U	1950	NNNØCVS- USS MISSISSIPPI wkg NNNØVZ (BCW-FL)
			**** AIRCRAFT ****
5610	3	0702	Kuwait 102 wkg Shannon Aero (JB-TX)
5610	U	0425	MAC 80220 wkg New York Aero-declaring emergency (GHS-IL)
5696	U	0259	CG 1502 wkg CG Miami FL (JDM-MN)
5696	U	0429	CG 1467 wkg CG Miami FL (GHS-IL)
5696	U	0344	CG 1476 wkg CG Boston, on scene rescue/ship Lousie(FUO)
6540	3	0228	Italia 567 wkg San Juan Aero (JDM-MN)
6540	3	0523	Speedbird 295 wkg New York Aero (DAH-VA)
6540	3	0230	Clipper 908 wkg New York Aero (RHF-MD)
6624	3	2214	Cathay 731 c/g Bombay Aero (RHF-MD)
6683	U	0653	MAC 59408 p/p Dover CP via Albrock Aways (RDC-WV)
6690	U	0151	Ascot 4846(RAF) wkg Belize Flight Watch (MDC-NY)
8847	3	0555	New Zealand 5 wkg Auckland Aero (WTC-AZ)
8889	3	0216	Laker 12 wkg N.Y. Aero (Laker Airways is now out of business) (JB-TX)
8910	3	2318	Canadair 584 wkg Churchill Aero (FL-GA)
8945	3	0126	Cubana 475 wkg San Juan Aero (JDM-MN)
8945	3	0133	KLM 786 wkg San Juan Aero (JDM-MN)
8945	3	0129	Springbok 212 wkg New York Aero (JDM-MN)
8945	3	0124	Delta 790 wkg San Juan Aero (JDM-MN)
8945	3	0118	Clipper 184 wkg New York Aero (JDM-MN)
8945	3	0127	West Indian 900 wkg Santa Maria Aero (JDM-MN)
8959	3	0127	Lufthansa 534 wkg Khartoum Aero (JDM-MN)
8959	3	0851	Braniff 903 wkg Balboa Aero (JB-TX)
8959	3	0125	Italia 968 wkg Nairobi Aero (JDM-MN)
8967	U	2128	Ascot 4868 c/g Lajes Aways (JJP-RI)
8980	U	1830	CG 1463 wkg Detroit CGAS (GHS-IL)
8984	U	0314	Interflug 992A c/g Interflug LDCC, East Berlin (RLR-KS)
8989	U	0427	MAC 38083 p/p via McCellan Aways (TFS-GA)
8989	U	0450	MAC 60156 p/p Norden CP via McCellan Aways (JCH-MD)
8989	U	0355	MAC 90017 wkg McCellan Aways (TFS-GA)
8993	U	2330	MAC 80213 (G-5A) wkg MacDill Aways (FL-GA)
11182	U	1832	(RNZAF) Kiwi 851 p/p to Pope CP via Scott (CR-IL)
11234	U	1946	(RAF) Ascot 6001 c/g Belize Flight Watch (GHS-IL)
11367	3	2355	HZGRP (Saudi registry) wkg New York Aero (RHF-MD)
13225	U	0641	Jordanian 241 c/g Amman LDCC (ALLA Base) (DM-ALB)
13244	U	2020	CANMIL 8191 wkg MacDill Aways (GHS-IL)
13244	U	2316	MAC 70011 p/p Roosevelt Roads Ops via MacDill (GHS-IL)
13248	C	1951	FGKHK (Aeroflot) wkg RPNV Moscow (MDC-NY)

CAN.:

6753 U 0632 CHR- CANNIL Trenton- WX b/c (RDC-WV)
 6946 C var. CKM- CANNIL Vancouver- V mkr (TS-BC) (PT-GA)
 7335 A 1340 CHU- SFTS Ottawa - (KWK-VA)
 12726 C 1905 CFH- CANNIL Halifax - V mkr (HGJ-TX)
 14670 A 1648 CHU- SFTS Ottawa (KWK-VA)
 15035 U 2035 CHR- CANNIL Trenton - WX b/c (DAH-VA)
 8967 U 0301 XPH- Thule Ays wkg BRBE 31 (RHF-MD)
 4225 C 0300 XFM- Manzanillo MARCO - CQ mkr (SPH-GA)
 4249 C 1122 XFI- Manzanillo MARCO - CQ mkr (SPH-GA)
 8568,5 C 0000 XFM- Manzanillo MARCO - V mkr (SFO-NH)
 13172a U 0115 XEA- Mexico MARCO clg m/v Gloria (TW-ONT)
 2182 U 0423 KVN- CG Portsmouth VA wkg KVNZ (JCH-MD)
 2182 S 0226 NMF2- CG Woods Hole MA- supervising rescue of m/v Louise via m/v Seafarer (PJO-OH)
 2500 A 1106 WVY- SFTS Ft. Collins CO (KWK-VA)
 2670 U 0203 NNM89- CG Hampton Roads VA - NTM b/c (AV-PA)
 2670 U var. NMF- CG Boston MA- NTM b/c (KWK-VA) (RDC-WV)
 4125 U 0105 NFG- CG New Orleans wkg Keystone Canyon (WS-ONT)
 4144 U 0341 MDJ- Morgan City LA MARCO wkg WZU7438 (TL-AL)
 4256,5 C 0208 WLO- Mobile AL, MARCO wkg Dorothea Schulte (JB-TX)
 4388,2 U 0220 WOO- Ocean Gate MARCO wkg CBHT- Q82 (PB-OH)
 4402 U 0524 WLO- Mobile MARCO w/ George McCall 2 (TL-AL)
 5000 A 1131 WVY- SFTS Ft. Collins CO (KWK-VA)
 5652 3 var. WST700 - New York Aero- VOLMET (PT-CA) (KWK-VA)
 5692 U 0501 NO1- CGAS Detroit wkg CG 1466 (RDC-WV)
 5696 U 0145 NOZ- CGAS Elizabeth City NC wkg CG 1488 (RDC-WV)
 5696 U 0108 NMG8- CGAS New Orleans LA wkg CG 1493 (RDC-WV)
 5700 S 0326 APA- Andrews AFB MD wkg "972" (LJS-CO)
 5870 C 0630 NAR- NCS Key West FL - WX b/c (JB-TX)
 6506,4 U 0412 NMF- CG Boston MA wkg CGG Reliance (JCH-MD)
 6506,4 U 2241 NNN- CG Portsmouth VA - NTM b/c (KWK-VA)
 6506,4 U 0427 NMA- CG Miami FL clg CGC Evergreen (JCH-MD)
 6521,9 U 2225 WZ2(?) - Natchez MS IWMAR-w/Nebraska City (AV-PA)
 6522a U 0008 KWB- Houston MARCO clg KHLJ (EFK-TX)
 6522a U 2358 MFE- Houston MARCO wkg Western Reef (EFK-TX)
 6522a U 2101 KKO- Bridge City(?) wkg WYP 7231 (EFK-TX)
 6924,5 C 2329 KKN50- USDOS Wash DC- clg KNA27 (MDC-NY)
 6924,5 C var. KKN50- USDOS Wash DC- QRA mkr(EFK-TX) (JDM-MN)
 6925,2 C 1633 KKN50 - USDOS Wash DC - DE mkr (TS-BC)
 8090 C 0243 NAM- NCS Norfolk VA - WX b/c (SK-GA)
 8125 U 1402 KDM89- FAA Wash DC wkg KEM50 Hampton GA (LJS-CO)
 8170 U 0330 APA- Andrews AFB MD wkg SAM 24127 (GR-IL)
 8290 U 0402 WOM- Ft. Lauderdale MARCO w/ Viking Star (TL-AL)
 8291,1 U 2035 WBK- (QHP?) wkg m/v City of Pittsburgh (AV-PA)
 8294,2 U 2055 KDR- St. Louis IWMAR wkg m/v Nebraska City(AV-PA)

15015 U 1720 MAC 40629 wkg Allbrook Ays (JDM-MN)
 15015 U 2130 MAC 80714 p/p to Raymond 9 via Allbrook Ays (RL-GA)
 17995 U 1948 GANNIL 3860 p/p via Trenton GANNIL (RL-GA)
 **** TACTICAL ****
 2534 U 0039 MIKE 91 FOXTROT r/c with 3 HOTEL 2 PAPA (RL-GA)
 4455 U 0047 "877" wkg "868" (RL-GA)
 4730 U 0601 335 BRAVO clg CYPRUS (GHS-IL)
 4562a U 0635 BROKEN GLASS wkg CANOE RACE (GR-IL)
 5703 U 0035 SUTUT 28 wkg FIRESIDE 3 (RL-GA)
 5703 U 0039 USAF 7454 r/c with FIRESIDE 3 (RL-GA)
 6506,4 U 0433 SIERRA SIERRA JULIET clg NOJ CG Kodiak AK (JCH-MD)
 6683 L 1552 AIR FORCE ONE p/p to CHOWN via Andrews AFB (RL-GA)
 6683 L 0119 SAM 24126 wkg Andrews AFB MD (MDC-NY)
 6697 U 0301 JULIET 3 BRAVO r/c with BIRDSEYE via U 3 S. (MDC-NY)
 6698 U 0215 7 ECHO TANGO- any station call (TL-AL)
 6715 L 0330 SAM 50496 wkg Andrews AFB MD (GHS-IL)
 6750 U 0426 LIMA DELTA 05 wkg Croughton Ays (DAH-VA)
 6761 U 0210 SORGO 17 p/p Ellsworth Metro via BATCH p/p (MDC-NY)
 7997 U 0608 AIR FORCE ONE wkg ?? (EDK-MI)
 8101 S 0342 PLENTY r/c with PLAYSUIT on Alfa Papa (LJS-CO)
 8610 U 1434 SLOT wkg SLOT 22 (LJS-CO)
 8917 S 1612 NAVY 170 wkg Rockwell Dallas (LJS-CO)
 8920 U 0149 SALLINGER wkg MacDill Ays (RL-GA)
 8925 U 0445 CHARLIE INDIA OSCAR CHARLIE repeats- UK accent (DM-ALB)
 8967 U 0159 LIMA PAPA 239 wkg LaJes Ays (DAH-VA)
 8984 U 2345 PEE WEE wkg BOOZER (BLR-KS)
 8989 U 2021 VINEGAR 706 p/p VINEGAR BASE via MacDill (GHS-IL)
 8989 U 0110 PINECATER CENTER p/p CINCPAC via McCallan (GR-IL)
 8989 U 2252 LUSK 53 wkg McCallan Ays (JDM-MN)
 8993 U 0215 NAVY LIMA LIMA 780 wkg MacDill Ays (JDM-MN)
 8993 U 0215 KING 47 wkg MacDill Ays (JDM-MN)
 9014 U 1440 HAL 40 clg Scott & Loring Ays (RL-GA)
 9014 U 0113 EDCY 19 wkg Loring Ays (JDM-MN)
 9023 U 1926 DRAGNET ALFA wkg DUNMORE (GR-IL)
 11118 U 1559 OVERRIDE r/c with FOURSOME & COMPONY (MDC-NY)
 11179 U 1511 KING 74 wkg MacDill Ays (RL-GA)
 11182 U 1534 EDCY 18 p/p to Raymond 24 via Scott Ays (RL-GA)
 11182 U 2253 THOUT 98 p/p to Offutt Ops via Scott Ays (MDC-NY)
 11186 U 0345 GOCART wkg CROSSCUT (ASWCC Barbours Point) GR-IL)
 11214 U 1725 "18" wkg "24" with coded tic (GHS-IL)
 11239 U 0111 VAGUE 06 p/p to Mansfield Ops via McCallan (JDM-MN)
 11239 U 0116 EDGY 71 p/p Raymond 24 via McCallan (JDM-MN)
 11239 U 0111 KING 13 wkg McCallan Rescue via McCallan (JDM-MN)
 11243 U 0209 PRO RATE clg Skybird (JDM-MN)

8294.2	U 0120	WBM-Philadelphia INMAR wks WTX8862 (AV-PA)
8294.2	U 0130	WJD-Tampa FL MARCO wks Anthony P (AV-PA)
8486	C 0134	WDE-Lantana FL MARCO - V/DE mkr (JDM-MN)
8610a	C 1325	WHB-Baltimore MD MARCO - Cq mkr (RJC-WA)
8658	C 1330	WSL-Amagansett NY MARCO - Cq/QSX mkr (RJC-WA)
8722	U 0512	WOM-Ft. Lauderdale MARCO wks GBT QEZ2 (JCH-MD)
8741	S 0200	WOM-Ft. Lauderdale MARCO - t/c list (SK-GA)
8765.5	U 1227	WNM-CG Portsmouth VA wks CG 1488 (LMT-AZ)
8795	U 0350	WNM-Ft. Lauderdale MARCO wks Viking Star (TL-AL)
8868	3 var.	WSY790-N.Y. Aero-VOLMET (FT-CA) (KMK-WA)
8959	3 2133	KEA5-N.Y. Aero wks Wrangler 104 (JUF-RT)
8980	U 1834	WNB9-CGAS Savannah GA wks CG 1463 (GHS-IL)
8984	U 0510	NWG-CG San Francisco CA wks CG 1503 (RDC-WV)
8989	U 0934	AP12-McClellan Aways wks Zesty 11 (LMT-AZ)
8989	U 2240	APF2-McClellan Aways clg Bandit 23 (JDM-MN)
8993	U 2127	AFE8-MacDill Aways wks Papa 29 (EPK-TX)
9349	S 1535	VOA Greenville Feeder b/c (RM-AZ)
10000	A 1710	WV-SPTS Ft. Collins CO (JHD-PA)
10105a	C 24hr.	KK2XGH-HAM Experimental Beacon (QTH?) (RD-KS)
10637	C 2240	KKV59-USDOS Wash DC - DE mkr (BLA-PA)
11004a	U 1936	Cape(Canaveral) Radio wks ARIA 2 (GR-IL)
11367	3 1927	KEA5-N.Y. Aero wks American 656 (BCW-FL)
11367	3 0005	KEA5-N.Y. Aero wks American 584 (TL-AL)
12337	U 0213	KMI-San Francisco MARCO wks m/v Rotterdam (TL-AL)
12660	C 1855	WSL-Amagansett NY MARCO - marine WX (BLA-PA)
12730	U 1907	WFG-Port Arthur TX MARCO - NFM b/c (HGJ-TX)
12839	C 1809	WFA-Port Arthur TX MARCO - Cq mkr (BLA-PA)
12993	C 2005	KOK-Cerritos CA MARCO - Cq mkr (TFS-GA)
13051	C 2310	WPD-Tampa FL MARCO - V mkr (SK-GA)
13081.5	C 2253	MLO-Mobile AL MARCO - DE mkr (RMA-IA)
13100.8	U 0025	KMI-San Francisco MARCO wks m/v Jupiter (JCH-MD)
13113	U 0410	NWG-CG San Francisco clg CGG Glacier (TW-ONT)
13113	U 0319	NWG-CG San Francisco - NFM b/c (TFS-GA)
13128	U 0132	NWG-Ft. Lauderdale MARCO wks m/v McDermott (TL-AL)
13184.5	U 2215	WOO-Ocean Gate MARCO - marine WX (JDM-MN)
13272	3 1640	WSY790-N.Y. Aero - VOLMET b/c (KMK-WA)
13344	3 1505	KSF700-Oakland Aero - VOLMET b/c (DAH-WA)
13626a	U 2010	KDM50-PAA Hampton GA wks KTF63 Denver (CH-IL)
13945	C 1310	WQZ3-US/Liberia R. Corp, Akron -QRA (AV-PA)
14398	U 1443	VOA Greenville Feeder b/c (RL-GA)
15015	L 1727	FOA Andrews AFB- r/c with Cowpony/Foursome (MDC)
15541	C 1042	KKM50-USDOS Wash DC - QRA mkr (EPK-TX)
16587.1	U 2250	KHT-Cedar Rapids IA w/ Exxon-North Slope (AV-PA)
17245.3	U 2152	WOO-Ocean Gate MARCO wks WZU 8031 (HGJ-TX)
17260.8	U 1832	WOM-Ft. Lauderdale MARCO - t/c list (DAH-WA)
11243	U 2313	FOOT 60 wks RENO via COMMUNITY P/P (MDC-NY)
11246	U 1749	KING 24 wks Macstead Rescue Ops via MacDill (RL-GA)
11246	U 1745	DONG 91 wks MacDill Aways (RL-GA)
11246	U 2033	VINEGAR 711 P/P VINEGAR BASE via MacDill (GR-IL)
11249	U 1536	TAP FOOT WKS REAR TRAP (TL-AL)
11249	U 1546	AIR FORCE ONE r/c with Andrews AFB MD (RL-GA)
11249	L 1436	SAM EXECUTIVE 26000 wks Andrews AFB (RL-GA)
11249	U 1352	SAM 86972 P/P Andrews repair shop via Andrews (RL-GA)
11267	U 0252	VICTOR 3 KIL0 wks 3590 (JDM-WN)
11267	U 1350	ABSTAINER wks PARODY (RL-GA)
11375	S 0003	BRAVO 0 ECHO clg 09 LIMA & ROMEO 2 ROMEO (PLO-NH)
13211	U 2210	MERMAID wks BOXY (RL-GA)
13244	U 2155	SWING 29 wks MacDill Aways (BLA-PA)
13254	U 1452	4 WHISKEY ROMEO wks CANMILL St. Johns (RL-GA)
15015	U 2114	SAM 12490 wks Albrook Aways (GHS-IL)
15015	U 2139	KING 46 P/P Scott Metro via Scott Aways (RL-GA)
15015	U 2137	EDGY 30 r/c with Scott Aways (RL-GA)
15015	U 1715	LIVE BALL r/c with RESEMBLE (MDC-NY)
15034.5	L 1951	LIVE BALL r/c with RESEMBLE (MDC-NY)
15048	U 2227	EDGY 37 P/P to Raymond 24 via Scott Aways (RL-GA)
15091	U 2230	RAYMOND 27 wks DEVITT 22 (RL-GA)
18002	U 2113	LIMA YANKEE 07 wks McClellan Aways (JDM-WN)
18002	U 2115	KEYED 10 P/P to Minuteman via Loring Aways (JDM-WN)
18019	U 1914	TEAL 11 (WX/R) P/P Miami Minitor via MacDill (RL-GA)
18019	U 1950	KEY 10 P/P Bangor Metro & Minuteman via MacDill (RL-GA)
18666	U 2000	MARLIN 395 wks SHARK 623 (RLR-KS)
18666	U 2205	SEA BREEZE 100 P/P via ATLAS (MTC-AZ)
18666	U 1705	TROPIC 1400 wks ATLAS (MTC-AZ)
18666	U 2143	CG 02 P/P CG Portsmouth via ATLAS (RL-GA)
18666	U 2014	SHARK 721 P/P to TIBURON via ATLAS (RL-GA)
18666	U 1922	TROPIC AIR 1400 r/c with ATLAS (RL-GA)
18666	U 1528	FLINT 386 P/P via ATLAS (RL-GA)
18666	U 1815	ATLAS (DBA) wks Omaha 400 Uniform, FLINT 351,357 (RL-GA)
18666	U 1511	SHARK 85 P/P to TIBURON via ATLAS (LJS-CO)
18666	U 1604	ATLAS wks FLINT 358 (LJS-CO)
23403	U 1558	FLINT 255 P/P to FLINT 355 via ATLAS (LJS-CO)
23403	U 1543	OMAHA 400 UNIFORM P/P via ATLAS (LJS-CO)
5304	C 1702	"D" beacon (BC-ITLY)
5305	C 1705	"C" beacon (BC-ITLY)
8645	C 0350	"J" beacon (MP-NY)
9043	M 1449	"K" beacon (JB-TX)
10644	C 0403	"D" beacon (MP-NY)
**** NUMBERS/BEACONS ****		

USA.: 17262 U 2204 WOM- Ft. Lauderdale MARCO w/ Margurita (TL-AL)
 18002 U 2324 AFI2- McLellan Aways w/gk Panther Control (GHS-IL)
 23075 C 1945 WFN23- AP New York - MC mkr (RMA-IA)
 25590 C 2100 NAR- NGS Key West FL - MC mkr (JB-JX)

**** CENTRAL AMERICA ****
 COST: 4290 C 0335 TIM- Limon MARCO - CQ mkr (SPH-CA)
 17149 C 2121 TIM- Limon MARCO - CQ mkr (PLO-NH)
 ESAL: 13950 L 0049 YSIUKI-USMAAG San Salvador p/p via AHF4 (RU-GA)
 PANA: 6683 U 0625 AHP2- Albrook Aways- p/p for unid a/c (RBC-NV)

**** CARIBBEAN ****
 BARB: 8448 C 0050 SPO- C&W Bridgetown - DE mkr (GLT-NM)
 CUBA: 6435 C 1028 CLQ- Cojimar (Havana) MARCO - CQ/QSX mkr (PT-CA)
 12747.5 C 1605 CLQ- Cojimar (Havana) MARCO - CQ mkr (JDM-MN)
 21813 C 1716 CLM659- Havana PTP c/g UY2 (RMA-IA)
 GIT.: 6506.4 U 0142 AVDET GIIMO c/g CGC Tanaroz/Gallatin (RLR-KS)
 8984 U 2347 CG AVDET GIIMO w/gk CG Miami FL (RL-GA)
 14540 U 2354 NAW-- AACR - P/p t/c (RL-GA)
 4263 C 0627 FFP2- Ft. de France MARCO - CQ mkr (SPH-CA)
 4263 C 0210 FFP2- Ft. de France MARCO - CQ mkr (SPH-CA)
 12831 C 2140 FFP3- Ft. de France MARCO - CQ mkr (JB-TX)
 13031 C 0141 FUF- FF NAVRAD Ft. de France- V mkr (BLA-PA)
 22390.8 C 1530 FUF- FF NAVRAD Ft. de France- V mkr (SK-GA)
 NETA: 8694 C 1320 PUG- Curacao MARCO - CQ mkr (GLT-NM)
 13042.5 C 1200 PJC- Curacao MARCO - DE mkr (PAG-UK)
 P.R.: 6540 3 0534 San Juan Aero w/gk Eastern 928 (RDC-WV)

**** SOUTH AMERICA ****
 ARGN: 4267 C 0227 LPD68- G.P.R. Buenos Aires - V mkr (SPH-CA)
 5880 - 0445 Radio Rivadavia Feeder (2S-??)
 6880 A 0308 Radio Rivadavia Feeder (PT-CA)
 8294.5 U 0410 LOV3- Rio Grande MARCO- SS/EE WX b/c (RBC-CA)
 8759.2 U 0116 LPL3- G.P.R. Buenos Aires- SS t/c (PT-CA)
 ASCN: 15015 U 2205 APD14- Ascension Aways w/gk unid USN a/c (RL-GA)
 BRZL: 4244 C 0124 PPR- EMBRATEL Rio de Janeiro-SFTS-pips (WJP-FL)
 4298 C 0243 PFL- Bellem MARCO - t/c list (SPH-CA)
 4366.7 U 0607 PFO- Olinda MARCO - PP/OM t/c to unid ship(RBC-GA)
 8520 C 2348 PFO- Olinda MARCO - V mkr (EPK-TX)
 10049 3 0501 Recife Aero w/gk Alfa Tango 243 (JOH-MD)
 17194.4 C 2127 PPR- SFTS Rio de Janeiro - pips (PIO-NH)
 22352 C 0234 PPR- Rio de Janeiro MARCO - V mkr (SK-GA)
 CHIL: 4380.5 C 0736 COS- Santiago NAVRAD - V mkr (JB-TX)
 8826 3 0333 Santiago Aero- SS t/c to Avianca 21 (RHF-MD)
 15770a C 0030 COS- Santiago NAVRAD - V mkr (PT-CA)
 COLO: 4276 C 0231 HKB- Baranquilla MARCO - CQ mkr (SPH-CA)

NUMBERS.....
 3075 A 0237-0247 S/Y 5d FinalX2 (555) 14Jan82 (RL-GA)
 3090 A 0123-0128 S/Y 5d Finalx2 (433) 05Jan82 (DAH-VA)
 4028 A 0602----- S/Y 5d ATT 026-100 12Jan82 (JN-MN)
 4670 U 0321----- S/Y 4d 28Jan82 (MSH-GA)
 4670 S 2200----- S/Y 7d 10Jan82 (BG-IV)
 5285 S 2200----- G/Y 5d (424) 11Jan 82 (BC-ITLY)
 6227 A 0502----- S/Y 5d ATT 958-99 02Feb82 (JN-JM)
 6508 3 0613-0631 G/Y 5d - In progress (243) 07Feb82 (MTC-AZ)
 6510 A 0520----- G/Y 5d (333) 17Jan82 (PT-GA)
 6748 A 0712----- S/Y 7d (555) 01Jan82 (RDC-WV)
 6768 A -0907 S/Y 5d (344) 28Jan82 (JMT-AZ)
 6780 A 0800----- C2/O 5d "Quebrarrax2 07Feb82 (JN-MN)
 6987 U 0140----- S/O 5d 21Jan82 (JDM-MN)
 7342 A 0800-0810 S/Y 5d Finalx2 (56y5) 12Jan82 (TVB-CA)
 7405 A 0603----- G/Y 5d "P.N." & MM (454) 13Jan82 (JN-MN)
 7533 L 2347-2348 G/Y 5d Ende 03Feb82 (JN-MN)
 7605 A 0005-0025 E/Y 5d 5 Ltz "Group 70" (443) 06Feb82 (DAH-VA)
 7663 A 0808-0825 G/Y 5d (3+2 delivery) 10Jan82 (JN-MN)
 9052 A 0302----- G/Y 5d "N" in CW Gruppe 37 19Jan82 (JN-MN)
 9053 A 0110----- G/O 5d (544) 12Jan82 (JDM-MN)
 9325 A 0205-0218 E/Y 5d Information 201 (555) 06Feb82 (RL-GA)
 9445 A 2330-2334 S/O none-"369x3 00000" repeats(555) 03Feb (JN-MN)
 11273 A 0801-08-- G/Y 5d (3+2 delivery) 560-1100 09Jan82 (JN-MN)
 11430 A 0816-0820 S/Y 5d Finalx2 (322) 07Feb82 (TFS-CA)
 11520 A 0612-0620 S/Y 5d ATT 368-75 22Jan82 (TVB-GA)
 11532 A 2000----- S/Y none "1000" repeats (444) 15Jan82 (2B-OH)
 12225 A 0519----- S/Y 5d "99 Aldoncia 941" (111) 03Feb (JF-WY)
 13452 A 2317-2335 S/Y 4d (555) 18Jan82 (RL-GA)
 14453 A 0101----- S/Y 5d ATT 003-25 19Jan82 (JN-MN)
 19160 A 2100----- S/Y 5d ATT 240-65 19Jan82 (JN-MN)

***** UNIDENTIFIED *****
 C 0420 "DE GAW QX2 2A" (AV-PA)
 S 0143 KQC 47 w/gk KQC 48 (LJS-CO)
 C 0400 "VVV VVV DE VDE VDE2 VDE2" (AV-PA)
 C 0428 "VVV VVV DE VDE VDE" (AV-PA)
 C 2128 "VVV VVV DE EDV EDV" (AV-PA)
 U 0345 possible simlkey NASA safety net (GR-IL)
 S 0940 "Mono Clear Alaska" medical info (PAV-CA)
 C 0440 "VVV VVV DE J3R J3R QX2 5/11 5/11" (AV-PA)
 S 1740 Blacklist Alfa (no other info provided) (PAV-CA)
 U 1717 EE/YL VOLMET b/c, repeated at 1745-50 (PT-CA)
 C 1535 KML 90 - US ENB QTH?? - QRA mkr (JB-TX)
 10876a C 0128 "DE GRI" (MDC-NY)

11446a C 2352 "VVV QRA Y7L36 Y7L36" GDR EMB QTH? (MDO-NY)
 14556a C 1155 "QRA QRA DE CE55A CE55A (MDC-NY)
 14892a C 777 "U D E A D A E" in slow CW (PT-CA)
 17380a C 2127 "VVV DE FSN" sent 4 times/3 min pause, repeat (FT-CA)
 18027a U 1530 EE/OM "COVE RADIO" wkg XLM (QTH) mentioned Trans-Global Expedition & North Pole (AV-PA)
 19150 C 1450 "YBU QRU" repeats (JDM-MN)
 21754 U 0214 Hi level Embassy t/c, possible VHF (UHF) to HF repeater possible mainland USA to Hawaii (DM-ALB)

**** RADIODIOTELETYPE ****

1524 7XA- Algiers Air - Rys (JK-FRG)
 1920 EMLACUBA luanda - t/c to Ethipola? 66/425n (JL-NJ)
 1956 CML47- Havana - Rys to ITT NY- 66/425r (JL-NJ)
 0417 WUS- U. N. Nicosia- Rys 100/425n (FJO-OH)
 1825 GUF43- Reuters London- FF/NX 66/170r (JCH-MD)
 0753 FUE- FF NAVRAD Brest- Rys 100/850r (RMA-IA)
 1825 FTF65A- App Paris- Rys - 66/425n (RMA-IA)
 0926 Y3K3- Potsdam Metro - WX b/c (JK-FRG)
 2133 Y7A92- MFA Berlin - t/c to Maputo (JK-FRG)
 0112 GYU- Royal Navy - Foxes - (JK-FRG)
 2349 RUFMCF- IT NAVRAD Rome- c/g 111C (JK-FRG)
 2030 ISX35- ANSA Rome - FF/NX 66/425n (BLA-PA)
 0407 JMG4- Tokyo Metro- WX - 66/850n (JL-NJ)
 0404 SYD22- Nairobi Air- Rys - 66/425n (FJO-OH)
 var. SYD77- Nairobi Air- Rys- 66/425r (BLA-PA) (JL-NJ)
 0323 OBQ- Iquitos NAVRAD c/g OBC (JK-FRG)
 0957 OBC- Callao NAVRAD c/g OBY - 66/850n (RMA-IA)
 1743 CSZ48- Lisbon Air - WX - 66/850n (JL-NJ)
 0828 HXP- Bel Air Metro - Rys (HR-FRG)
 2015 6VU- ASEONA Dakar - Rys - 66/425n (JL-NJ)
 2050 6U079- ASEONA Dakar - Rys - 66/425n (JCH-MD)
 1840 SUNA Khartoum - Rys into EE/NX-66/425r (BLA-PA)
 2345 HSD82- Bangkok Air - t/c to Valentine (JK-FRG)
 0120 NWA- CG Miami- c/g NNCP - 100/850r (RMA-IA)
 1251 NWA- CG Miami- c/g NRXD - 100/170r (RMA-IA)
 2049 70C- Khormaksar Air- t/c to 7? 66/850n (JL-NJ)
 0709 EECB- JUAN S. EL CANO- c/g EBA- 100/850r (RMA-IA)
 0211 UJMO- CARL LINNE- 3SC Rys- 66/170n (RMA-IA)
 12754 NEXD- COC EVERGREEN- c/g NWA- 100/170r (RMA-IA)

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

...At Long Last, one of our utes has ventured down below 191 kHz. Dave Wilson shows us what's down in the lower regions of VLF/LW. NOTE: "K" in xmsn mode, indicates, frequency shift keying..... Presented by frequency, rather than by country.....

4324 C 0735 HKG- Buenaventura MARGO- DE mkr (SPH-GA)
 8959 3 0105 Baraquilla Aero c/g San Andres Aero (JJP-RI)
 7600 A var. HD210A- SFTS Cuayaquil- (DAH-WA) (FLO-NH)
 24145 U 1654 VP- C&W Port Stanley- EE/OM (RHF-NW)
 13044.9 C 2053 PZM4- Paramaribo MARGO - CQ mkr (FLO-NH)
 8826 U 0107 Montevideo Control(AERO) c/g Resistencia (RHF-MD)
 6100 A 1146 YVTO- SFTS Caracas - pips (KWK-VA)

**** EUROPE ****

6750 U 0542 CUM- LaJes Aways wkg Romeo Tango 266 (RDC-WV)
 8967 U 0448 CUM- LaJes Aways c/g SIRLOIN (GHS-IL)
 27017 C 1638 OST82- Oostende MARGO - V mkr (RHF-MD)
 8532 C 0230 LZM- Varma MARGO - DE mkr (GLT-NM)
 11234 U 0714 RAF Cyprus Flight Watch wkg Asot 2320 (DM-ALB)
 0129 OLB5- SFTS Podbrady (Prague) pips (FLO-NH)
 3170 C 0282 OX228- Lyngby MARGO - CQ/FF mkr (HJ-TX) (SK-GA)
 16897.4 C var. OX28- Lyngby MARGO - CQ mkr (BLA-PA)
 17068 C 1935 OX2- Lyngby MARGO - t/c with ?? (JCH-MD)
 22704.5 U 1850 OX2-- Lyngby MARGO - t/c with ?? (JCH-MD)
 2767a C 0740 MGJ- Glasgow NAVRAD - V/g3X mkr (AV-PA)
 1855 GKT76- Portishead MARGO wkg. ?? (JCH-MD)
 0156 CRJ- Helsinki MARGO - V mkr (SK-GA)
 16923 C 0156 P62- NOKO EMB Paris - V mkr (BC-ITLY)
 5125 C 2050 FDY- FF AF Orleans Brley - V mkr (BC-ITLY)
 5869 C 1915 FUG- FF NAVRAD Castelnaudry - V mkr (SEH-GA)
 6352 C 0335 U 1920 F5M- Rügen MARGO-V mkr (NSH-CA) (EFK-TX) (SPH-CA)
 18677 C var. DKW5(?) - Berlin FTF- EW/FF/GG/YL/W (AV-PA)
 13375 U 1315 Y5W- Reugen MARGO - V mkr (GLT-NW)
 16906 C 1520 R. Free Europe Holzkirchen Feeder (BG-ITLY)
 5294 I 2045 DHW95(VBG) - GANMIL Labr- WX (JCH-MD) (RDG-WV)
 5690 U var. DAO- Kiel MARGO - V mkr (BC-ITLY)
 5697 C 1845 DAL- Norddeich MARGO - V mkr (TFP-CA)
 8512 C 2112 Frankfurt LDGC(Lufthansa) c/g Lufthansa 529(MDC)
 10068a U 0243 DAM- Norddeich MARGO - V mkr (HGI-TX)
 12763.5 C 1916 DAL- Norddeich MARGO - V mkr (JCH-MD)
 22476 C 1912 DHM91- GG AF (QTH?) wkg CG AF 5403 in EE (GR-IL)
 23341 U 1649 SVB5- Athens MARGO - DE mkr (FLO-NH)
 13046.9 C 2052 SVA- Athens MARGO - DE mkr (RHF-MD)
 13047 C 0643 SVA- Athens MARGO - DE mkr (RHF-MD)
 22416 C 1740 SVA- Athens MARGO - DE mkr (GLT-NW)
 12799.5 C 1919 PCH51- Scheveningen MARGO - DE mkr (HGI-TX)
 17007 C 0018 PCH61- Scheveningen MARGO - V mkr (SK-GA)
 13069.5 C 2058 TFA13- Reykjavik MARGO - CQ mkr (FLO-NH)
 5533 3 var. ELP- Shannon Aero- VOLMET (RGC-WV) (JCH-MD)
 5000 A 1600 IBF- SPTS Torino- IT/FF/EE/OM ID (BC-ITLY)
 16274e U 2123 ICB- Genova MARGO - IT/EE/OM/W (HGI-TX)

ITALY:	16895.5	C	1936	IAR- Rome MARCO - V mkr (HGI-TX)
	17273.2	U	1935	ICB- Genova MARCO-EE/ITI/OM/VM (BLA-PA)
	22524	C	var.	IRW- CIR Rome - V/CQ mkr (GLT-NM) (JCH-MD)
NOR.:	12961	C	2300	LFI- Rogaland MARCO - V mkr (SK-CA)
	17074	C	1912	LGX- Rogaland MARCO - Cq mkr (BLA-PA)
PORT:	4247	C	0642	CTP- PP/NATO NAVRAD Ceiras - DE mkr (SPH-GA)
	22479	C	2228	CUL20- Lisbon MARCO - Cq mkr (JB-TX)
	22479	C	1730	CUL7- Lisbon MARCO - Cq mkr (GLT-NM)
SPAN:	8446	C	2146	ERA- Madrid NAVRAD - Cq mkr (TFS-GA)
SWED:	17079	C	0012	SAG- Goteborg MARCO - V mkr (SK-CA)
SWIS:	10069	3	0049	Berne Aero wkg Whiskey Sierra 05 (JCH-MD)
	16863	C	2010	HEB- Berne MARCO - Cq mkr (BLA-PA)
	22344.5	C	1850	HEB- Berne MARCO - CQ/DE mkr (MNH-CA)
TURK:	2670	A	1925	TAN- Istanbul MARCO-olg unid ship (PAC-UK)
	6395	C	0515	TBA3- Izmir NAVRAD - V mkr (AV-PA)
	8611.5	C	0238	TAH- Istanbul MARCO - Cq mkr (RHF-MD)
	12801	C	0840	TAH- Istanbul MARCO- CQ/QSX mkr (PAC-UK)
USSR:	8687	C	0243	URD- Leningrad MARCO - DE/QSX mkr (SPH-GA)
	8917	3	2342	Tashkent Aero - RR VOLMET (RL-GA)
	9996	C	var.	RW- SPTS Moscow- pips (PLO-NH)
	10004	C	0253	RID- SPTS Irkutsk - pips (EFK-TX)
	13042	C	2050	UAH- Tallinn (Estonia) MARCO- V mkr (PLO-NH)
	14555	C	1555	R1W- Khiva NAVRAD wkg RWKB (MDC-NY)
	14555	C	1430	R1W- Khiva NAVRAD olg UANX (MDC-NY)
	14556	C	1220	R1W- Khiva NAVRAD wkg RWBC, RMPT, RMQC (MDC-NY)
	14996	C	0249	RW- SPTS Moscow - pips (EFK-TX)
	15004	C	0256	R1L- SPTS Irkutsk - pips (EFK-TX)
	17110	C	0121	URD- Vladivostok MARCO wkg ULZX (RHF-MD)
	22351	C	0231	UFB- Odessa MARCO - V mkr (SK-CA)
				*** AFRICA/MIDDLE EAST ***
ALGE:	8626	3	0420	Algiers Aero wkg Angola 651 (JCH-MD)
EGPT:	8578	C	0577	SUH- Alexandria MARCO - V mkr (RHF-MD)
	8959	3	0123	Cairo Aero wkg Lufthansa 534 (DW-ALE)
	12970.5	C	1614	SUH4- Alexandria MARCO - CQ mkr (PAC-UK)
GAMB:	13043.5	C	1208	C5G- Banjul MARCO - V mkr (PAC-UK)
IRAQ:	12660	C	1936	YIR- Basrah MARCO - V mkr (PAC-UK)
	16906	C	1622	YIR- Basrah Control MARCO - V mkr (PLO-NH)
ISRL:	17050.1	C	2113	4XZ- Haifa NAVRAD - V mkr (PLO-NH)
IVRY:	9857.6	L	2358	INTELCI Abidjan- EE/FF/TL/VM (MW-GA)
KEN.:	8441.4	C	1744	5ZF-2- Nombasa MARCO - V mkr (PAC-UK)
LEB.:	20712	U	1120	Fiji UN forces - B/T to Fiji (HP-FRG)
LIBE:	4886a	C	0515	KKV44- USEMB Monrovia - QRA/QSX mkr (MW-ID)
	4895	C	0149	KKV44- USEMB Monrovia - QRA mkr (GLT-NM)
MAL.I:	18215	U	1621	TZA218- Bamako PTF- PF/EE/TL/VM (RHF-MD)
				*** AMERICA/MIDDLE EAST ***
				10.2 ? var.
				OMEGA B- Liberia, OMEGA C- Hawaii, OMEGA D- No. Dakota, Omega navigation system xmsns. All also on, 11.05, 11.33 & 13.6 kHz (DLW-OH)
				GER- SPTS Rugby UK - CW ID then time b/c (DLW-OH)
				DHU58- Flensburg NAVRAD FRG - CW ID (DLW-OH)
				FUB- FF NAVRAD Paris - CW ID (DLW-OH)
				NAA- NCS Outler ME - Encrypted xmsns (DLW-OH)
				NAM- NCS Norfolk VA - Encrypted xmsn (DLW-OH)
				NWC- NCS Emouth, AUST - Encrypted xmsn (DLW-OH)
				USAF (SAC) Silver Creek, NE- Skyking b/c (DLW-OH)
				USAF (SAC) Hawes, CA - cdmsg to Mildenhall UK (DLW-OH)
				GXH- NCS Thurso, SCOT - Encrypted xmsn (DLW-OH)
				WVVB- SPTS Ft. Collins CO (DLW-OH)
				0017 CPH- CANMIL Halifax, CAN - Encrypted xmsn (DLW-OH)
				0303 HFG- SPTS Prangins, SWIS (DLW-OH)
				0119 DCF77- SPTS Mainflingen, FRG (DLW-OH)
				NAM- NCS Norfolk VA - Encrypted xmsn (DLW-OH)
				CIJ- DND Shilo, Manitoba CAN //125.8, 133.85, 193.0 (DLW)
				CPH- CANMIL Halifax CAN - tic (DLW-OH)
				0714 CKN- CANMIL Vancouver CAN - ID mkr (DLW-OH)
				VFV- Cape Valcartier, PQ CAN // 136.3 (DLW-OH)
				0503 FVA31- Paris Metro (DLW-OH)
				CPH- CANMIL Halifax CAN Encrypted b/c (DLW-OH)
				DCF99- Mainflingen, FRG (DLW-OH)
				CFE- DND Cape Borden, ONT CAN //168.0, 183.0 (DLW-OH)
				VER- DND Ottawa, ONT CAN //148.55, 174.0, 197.5 (DLW)
				VEK- DND Penhold, CAN (DLW-OH)
				KEY- Chardon, OH - HAM Experimental xmsn (DLW-OH)
				2155 TUK- Nantucket MA beacon (MZ-CT)
				0720 GLB- Carolina Beach NC beacon (MZ-CT)
				2114 MWK- Meriden CT beacon (MZ-CT)
				2144 BPA- Bethpage NY beacon (MZ-CT)
				2212 CAT- Chatham NJ beacon (MZ-CT)
				0442 HHP- Port au Prince Haiti beacon (MZ-CT)
				0620 UVR- Varadero CUBA beacon (MZ-CT)
				R- USCG SF, Johns Light Sta, FL beacon (RHF-MD)
				0710 AQD- Hartford CT beacon (MZ-CT)
				0628 PJG- Curacao, NETA beacon (MZ-CT)
				A 1119 EZB- Oakland Int'l Airport CA - Aero WX (SK-CA)
				2122 JF- Conduit NY beacon (MZ-CT)
				0424 ZIN- Great Inagua, BAHM beacon (MZ-CT)
				368.0 C 0736 NX- Willow Grove NAS PA beacon (MZ-CT)
				391.0 C 0451 DDP- Dorado, P.R. beacon (MZ-CT)

396.0 C 0645 ZEB- Bimini Island, BAHM beacon (WZ-CT)
 398.0 C 0540 MEL- USN Lakehurst NJ beacon (WZ-CT)
 404.0 C 0550 YSL- St. Leonard, NB CAN beacon (WZ-CT)
 440.0 ? 0302 NWA- USCG Miami FL - man overboard b/c (RHF-MD)
 516.0 C 0340 YWA- Petawawa, ONT CAN beacon (WZ-CT)
 526.0 C 0600 UUP- Ottawa, ONT CAN beacon (WZ-CT)
 530.0 C 0605 NB- North Bay, ONT CAN beacon (WZ-CT)

1675 C 0616 ESM- Esmeraldas ECUA beacon (RHF-MD)
 1701 A 2025 OXP- Skagen, DEN. MARCO- marine warning b/c (PAC-UK)
 1750 A 0834 LGZ- Farsund, NOR MARCO- ttc (PAG-UK)

**** QSLs ****
 AUST: VKVZ- Frederick Reef Auto Wx Sta- QSL 15d - 3175 kHz (TS-BC)
 BRZL: PPR- EMBRATTEL Rio de Janeiro- QSL 45d- IRC- 22352.5 kHz (PAC-UK)
 CAN.: CRU- SFTS Ottawa- QSL in 21d 7335 kHz (J2-WI)
 CRU- SFTS Ottawa- QSL in 18d- XRP 3330 kHz (MT-HI)
 EAST: CA17E- Easter Island Aero- HAM cd-1204 13200 kHz (HR-FRG)
 FRG.: DAW- SFTS/Norddeich R., REPUSAL LTR"-NO veri (WJF-FL)
 HI.: WYWH- SFTS Kaula- QSL in 28d - XRP 15000 kHz (WP-NY)
 ITLY: IBR- SFTS Torino - Gard in 37d - 2 IRCs - 5000 kHz (TS-BC)
 JORD: JY1- King Hussein (HAM) ltr/Ames card 23d- 2 IRCs-14280 (TS-BC)
 P.R.: KXS 311- San Juan - PFC in 5d for MS 12435 kHz (HH-MD)
 REIN: FZS22- PTP Saint Denis- FF no data Ltr-25d-2 IRCs-12237.5(MDC-NY)
 SPAN: EAB- Barcelona - PFC in 49d - IRC SS rpt - 1730 kHz (PAC-UK)
 SUR1: PZNA- Paramaribo MARCO- QSL 20d IRC - 13045 kHz (PAC-UK)
 USA.: KXS 206- Elizabeth NJ- PFC 5d for MS 12435 kHz (HH-MD)
 USA.: WGY 907- FEMA Kansas City MO- ltr 1204 - 20027 kHz (HR-FRG)
 SHIPS: NNNØGSW- USS SAIPAN- PFC 25d - 14471.5 kHz (BCW-FL)
 NNNØRG- USS STUMP- PFC 74d MS 14470 kHz (MDC-NY)
 NNNØZQ- USS CORAL SEA- PFC in 37d MS- 14470 kHz (MDC-NY)
 AIRCRAFT: DOMINICA 902 - ltr in 40d. for MS - 6540 kHz (HT-WV)
 VAIGUE Ø6-179 TAG(ANG) PFC in 7d MS - 11239 kHz (MDC-NY)
 BEAGONS: 3U- Norrain, QUE CAN- Ltr-13d MS - 414 kHz (HH-MD)
 VA- Norrain, QUE CAN- PFC 24d - 230 kHz (HH-MD)
 CNQ- Dixie Cavarna, Roanoke VA- Ltr-17d MS- 379 kHz (HH-MD)
 XSSZ- Tenneco Oil Rig- Gulf of MEX- PFC-27d- 350 kHz (HH-MD)
 IDG- Ida Grove, IA- PFC after 5 attempts- 281 kHz (HH-MD)

.... The Ladies & Gents who contributed to this months column were:

- (EL-GA) Robert Lewallyn
- (TL-AL) Terry Lindley
- (RM-AZ) R. Marshall
- (IM-ALB) Don Moman
- (JN-MN) Jon Nida
- (FLO-NH) Patrick O'Connor
- (ELA-PA) Brian Alexander
- (RMA-IA) Rodney Alexander
- (ZB-OH) ? Bellard
- (JB-TX) Jim Boehm
- (RDC-WV) Robert Carson
- (RBC-CA) Roy Carlson

3 0810 Nouakchott Aero wkg Dakar Aero (RHF-MD)
 3 0124 3EM5- Bigara MARCO - CQ mkr into WX (RHF-MD)
 NAUR: 8826 3 0415 Miami Aero wkg Ghana 777 (JCH-MD)
 NIGH: 8826 3 0422 Kano Aero wkg UTA 743 (JCH-MD)
 16862 3 2316 50W16- Iagos MARCO - v mkr (SK-CA)
 OWAN: 24770a C 1406 A4J- (QTH?) QRA/QSX mkr (AV-PA)
 PAKI: 13024.5 C 1602 ASK- Karachi MARCO - CQ mkr (PAC-UK)
 REUN: 4233 C 0123 FUX- FF NAVRAD - v mkr (SPH-CA)
 12690 C 1820 FUX- FF NAVRAD - v mkr (BLA-PA)
 SAUD: 8990 U 0453 Jeddah LDOO wkg Saudi 191 (JCH-MD)
 SENEG: 10049 U 0505 Dakar Aero wkg Argentine 158 (JCH-MD)
 13410.1 C var. 6WW- FF NAVRAD Dakar- v mkr (FLO-NH) (JCH-MD)
 16952.8 C var. 6WV- FF NAVRAD - v mkr (PT-CA) (GLT-NM) (HGU-TX) (SK)
 SEYC: 8445 C 0400 SZQ- Mahe MARCO - CQ mkr (RHF-MD)
 SOAF: 4221 C 0140 ZRQ- Cape NAVRAD Cape Providence- v mkr (SPH-CA)
 4241 C 0225 ZSD- Durban MARCO - CQ mkr (SPH-CA)
 4245 C 0153 ZRH- Cape NAVRAD Fisantekraal- X/DE mkr (SPH-CA)
 4283 C 0235 ZRQ- Cape NAVRAD Silvermine- CQ mkr (SPH-CA)
 4316 C 0251 ZSC- Capetown MARCO - CQ mkr (SPH-CA)
 6325 C 0422 ZRH- Cape NAVRAD Fisantekraal - X/DE mkr (SPH-CA)
 6336 C 0417 ZRQ2- Cape NAVRAD Simonstown - v mkr (SPH-CA)
 6386 C 0336 ZR3J- Capetown MARCO - CQ mkr (SPH-CA)
 8566 C var. ZSU4/5- Cape NAVRAD Silvermine-CQ(SPH-CA) (JDM-MN)
 8731.3 U 0515 ZSC26- Capetown MARCO wkg m/v Howard Davies (GHS)
 12692.2 C 1944 ZRQ2- Cape NAVRAD Simonstown- v mkr (FLO-NH)
 12948 C ---- ZRH- Cape NAVRAD Fisantekraal- DE/QSX mkr (JB-TX)
 13125 U 2110 ZSC27- Capetown MARCO wkg VSW Sensation?(TW-ONT)
 SUDD: 8959 3 2222 Khartoum Aero wkg Cairo Aero (JUF-RI)
 8959 3 0430 Khartoum Aero wkg Lufthansa 534/KLM5637 (JCH-MD)
 YEMN: 8959 3 0453 San'a Aero c1g Addis Ababa (RHF-MD)
 ZIRE: 8826 3 0239 Kinshasa Aero c1g Luanda Aero (RHF-MD)

**** ASIA/PAC EAST ****
 8882 3 1657 Rangoon Aero wkg a/c t/c (IM-ALB)
 4339 C 1103 XSQ- Kwangchow MARCO - CQ mkr (SPH-CA)
 8501 C 1315 XSG- Shanghai MARCO - CQ mkr (GLT-NM)
 8514 C 1305 XSQ- Kwangchow MARCO - CQ mkr (GLT-NM)
 8582 C 1310 XSW- Kaonsiung MARCO - CQ mkr (GLT-NM)
 8693 C 1320 XSZ- Dairen MARCO - CQ mkr (GLT-NM)
 15000 A 0300 BFM- SFTS Shaanxi- CC/YL ID & CW ID (7B-OH)
 17103.2 C var. XSC- Shanghai MARCO- CQ mkr (JDM-MN) (FLO-NH)
 13975 U 1368 NNNØNRS- USN MARS wkg NNNØKQ (A-V-PA)
 HONG: 8903 3 var. Hong Kong Aero- VOLMET (IM-ALB) (RHF-MD)
 17095 C 0115 VPS- Cape D'Agulliar MARCO- DE mkr (GLT-NM)
 JFAN: 4349 C 1107 JCS- Choshi MARCO - CQ mkr (SPH-CA)

JAPAN: 8686 C 0700 JCT- Choshi MARCO - CQ mkr (RHF-MD)
 10395 L 1000 JBE69- KDD Tokyo - EE/JJ/YI/VM (HR-FRG)
 15000 A 0340 JYJ- Koganei SFTS- CC/YL ID & CW ID (PT-QA)
 22396 C 0237 JOS- Nagasaki MARCO - V Mkr (SK-CA)
 22409 C 2333 JOR- Nagasaki MARCO - CQ mkr (PLO-NH)
 22463 C 0155 JCU- Choshi MARCO - V mkr (SK-CA)
 22474 C 1315 HLO- Seoul MARCO - CQ mkr (AV-PA)
 22395 C 2252 HLF- Seoul MARCO - V mkr (SK-CA)
 5587 C 1305 DZG- Manila (Las Pinas) MARCO- CQ mkr (GLT-NM)
 12870 C 0904 DZO- Manila (Bulacan) MARCO- CQ mkr (PAC-UK)
 12879 C 1340 DZJ- Manila (Las Pinas) MARCO - CQ mkr (GLT-NM)
 12906 C 1330 DZJ- Manila MARCO - CQ mkr (GLT-NM)
 17204 C 0849 DZE- Mandaluyong MARCO - CQ mkr (PAC-UK)
 SING: 6680 3 1556 9VA4g Singapore Aero - VOLMET b/c (TS-BC)
 12724 C 0145 9VG57- Singapore MARCO - V mkr (PLO-NH)
 VIET: 8590 C 1300 XVS8- Ho Chi Minh MARCO - CQ mkr (GLT-NM)

**** PACIFIC OCEAN ****
 VKV2- Coral Sea Automated WX sta- Frederick Reef - WX b/c (TS-BC)
 6680 3 1600 VLS- Sydney Aero - VOLMET b/c (TS-BC)
 8478 C 1435 WHP4- Canberra NAVRAD - V Mkr (RMA-IA)
 8711.5 C 1538 VIS65- Sydney MARCO - CQ mkr (JDM-MN)
 12907 C 1335 VIX- Canberra NAVRAD - CQ mkr (GLT-NM)
 22474 C var. VIS42- Sydney MARCO - V mkr (PLO-NH) (MWJ-ID) (SK-CA)
 3 0558 3DM- Nandi Aero - wkg Empress 304 (MTC-AZ)
 8525 C 0345 FUM- FF NAVRAD Papeete - V mkr (GLT-NM)
 12865 C 1345 NRV- CG Guam - V/MC mkr (SK-CA)
 22526 C 2245 NRV- CG Guam - CQ mkr (SK-CA)
 HI...: 8291.1 U 0516 WIX- Honolulu MARCO wkg W4H7970/Mikiala 2 (RRC-CA)
 8984 U 0506 NMO- CG Honolulu - wkg CG 1430 (JCH-WD)
 10000 A 0350 WYH- SFTS Kauai (DAH-VA)
 13113 U 1745 NMO- CG Honolulu - NTM b/c (TW-ONT)
 22417 C 2015 NMO- CG Honolulu - WX b/c (MWJ-ID)
 22472 C 0027 NMO- CG Honolulu - WX b/c (SK-CA)
 KERM: 9950 U 0530 ZM53- Raoul Island- p/p via ZLX59 (MTC-AZ)
 12152.5 U 0516 ZM56- Raoul Is. 5Mn to ZLX59 Wellington (MTC-AZ)
 22461 C 0024 FUJ- FF NAVRAD Noumea - V mkr (SK-CA)
 NZEL: 4250 C 0820 ZLP2- Iirirangi NAVRAD - V mkr (SPH-CA)
 4261 C 0818 ZLO- Iirirangi NAVRAD - CQ mkr (SPH-CA)
 8596.6 C 1355 ZLO4- Iirirangi NAVRAD - DE/QSK mkr (RMA-IA)
 8737.5 U 0537 ZLW- Wellington MARCO - EE/OM/VM (MTC-AZ)
 14580 C 2015 ???- Wellington - WX b/c (BLA-PA)
 17127.2 C 2122 ZLO6- Iirirangi NAVRAD - V mkr (PLO-NH)
 17127 C 1955 ZLP- Iirirangi NAVRAD - V mkr (BLA-PA)

(MTC-AZ) Mike Chabak
 (MDC-NY) Mark Chinsky
 (BC-ITLX) Bruce Chituck
 (RJC-MA) Robert Coleman
 (PAC-UK) Peter Conway
 (BC-IN) Brad Guppy
 (RD-KS) Robert Davis
 (JRD-PA) John Demmitt
 (RD-WA) Rick Dugway
 (JJP-RI) John Fitzgerald
 (RHP-MD) Robert French
 (JG-WY) Jeff Greenwald
 (SPH-CA) Stuart Hall
 (MSH-CA) Mike Hardester
 (JCH-WD) Jim Hartung
 (HR-MD) Hank Holbrook
 (DAH-VA) Dave Houde
 (FJ-MI) ? James
 (HGJ-TX) Howard Johnson
 (TWB-CA) Ted Valentine
 (AV-PA) Alex Vranes
 (JDM-WN) John Williams
 (TW-ONT) Tom Williamson
 (DLW-OH) Dave Wilson
 (BCW-FL) Bernie Wimmers
 (MW-CA) Marjorie Witte
 (M2-CT) Mark Zavatsky

LUTE CORNER

.... Greg Shepherd would like to "borrow" a copy of the old SUG. If you have one to lend him, FIRST contact Greg and work out the details. GREG SHEPHERD, 321 Riley Drive #8, Bloomington, IL 61701

.... John Demmitt advises a simple way to clear up the Donald Duck voice of a SSB xmsn. (if your SW rig isn't SSB mode equiped) Place an AM radio next to your rig. Turn on the AM radio, but keep the volume to zero. Next tune in a SSB mode xmsn on your SW rig. Carefully "tune" the AM radio (above 1300 kHz), until the SSB voice becomes clearly understandable. (the AM radio acts as a BFO - Beat Frequency Oscillator, and restores the carrier signal to the SSB xmsn)

.... that's it for this month, 73s one and all.....

MC

QSL REPORTS



Editor: John Kapinos, 86 S. Quinsigamond Ave., Shrewsbury, MA 01545
Deadline: 12th of the month.....

REPUBLICA ARGENTINA

LRA 36

RADIO NACIONAL

"ARCANGEL SAN GABRIEL"

BASE DE EJERCITO ESPERANZA - ANTARTIDA ARGENTINA

UBICACION GEOGRAFICA

Lat ~~60~~ 24' Sur
Long ~~57~~ 00' Oeste

FRECUENCIA: ~~0000~~ 15476 KHz

Apartado Postal 9411
Buenos Aires

CONFIRMO SUS DATOS
DE FECHA: 01 Dic 81

MUCHAS GRACIAS



JOSE BILBAO RICHER

TENIENTE CORONEL

Delegado del Gobierno del Territorio Nacional
de la Tierra del Fuego, Antártida e Islas del Atlántico Sur



A departure from tradition this month, we start with the pictures instead of putting them at the end. First time in many a moon that both "Way Down Under" stations have been reported.

ANTARCTICA

LRA-36, Radio Nacional San Gabriel, 15476, date/frequency cards and personal letters in 61 days, 2 IRC (Leite-MA); 2 months for SS report and Argentine mint stamps (Lazarus-LA); in 40 days for SS report and 2 IRC (Takahashi-Japan); in 63 days for EE report and tape and 2 IRC (Kapinos-MA).
AFAN-McMurdo; 6012, usual date only logo card in 6 months (2 months after follow up) along with Christmas card and apology for delay (Lobell-MA)..

EUROPE

ALBANIA: Radio Gjirokaster Home Service, 5057, f/d Revolution card in 11 weeks via Radio Tirana (Wilkins-CO); Radio Tirana, 7300, same card in 3 months (Lay-VA).

AUSTRIA: ORF, 12015, f/d card in 6 weeks (Smith-FL); same in 73 days (Speer-CA); 21610, same in 50 days (Tait-AUST).

BELGIUM: BRT, 9515, f/d Hendrick Conscience card in 65 days (Miller-CA); f/d Albrecht Rodenbach cd in 70 days (Byron-NY); f/d Hendrick Conscience cd in 60 days (Alexander-NC); 9870, f/d Rodenbach cd in 60 days (Alexander); 11695, f/d Map Card in 45 days (Chituck-ITALY); 21810, f/d letter and DX Club application in 70 days (Tait-AUST).

BULGARIA: Radio Sofia, 7115, f/d Ski Resort cd in 37 days (Fye-FL); 2700 f/d Causeway cd in 41 days (Pfeffer-NY); 11860, f/d National Theatre cd in 64 days (Johnson-ID); 15160, f/d Pamporovo Resort cd in 40 days (Tait-AUST); 15330, f/d Narodno Sobranie cd in 157 days (Shepherd-IL). Note to Morris Pfeffer, Bulgaria has more than 2 cars, the third was in the shop the day the picture was taken (kap).

CZECHOSLOVAKIA: Radio Prague, 9540, f/d cd in 104 days (Smith-FL); 17705, same in 91 days along with wall calendar (Tait-AUST).

DENMARK: Radio Denmark, 15165, f/d Danish ShortWave Club DX Window card in 32 days (Manning-TX). Sandra, congratulations on being named ASWLC Africa editor (kap).

ENGLAND: BBC, 9410, usual no data cd in 14 days, IRC (Chituck-ITALY); 9510, same in 52 days, IRC (D. Johnson-ID); 15070, same in 66 days (Chituck)..
VOA-Wooferton Relay, 7200, f/d 40th Anniversary cd in 31 days (Kivell-NM); 11760, f/d VOA Building cd in 15 days (Chituck).

FRANCE: Radio France Internationale, 17720, f/d View of Paris cd along with sked, calendar and sticker in 49 days, 2 IRC (D. Johnson-ID); 17860, f/d 50th Anniversary cd in 27 days (Pfeffer-NY).

GERMANY, Federal Republic: Deutsche Welle, 6150, n/d cd in 17 days (Vockeroth-NJ); 9605, same in 29 days (Chituck); 9690, same in 77 days long with pennant (Marshall-AZ); SUDEUTSCHER RUNDFUNK, 6030, f/d "50 Jahre Sender Muhlackner" cd in 34 days, 1 IRC (Streeter-NY); BAYERISCHER RUNDFUNK, 6085 f/d Clouds cd in 21 days, 1 IRC (Streeter); SUDWESTFUNK, 7265, p/d Absract Ear cd in 49 days, 2 IRC (Lay-VA); RADIO FREE EUROPE, 21720, freq only map cd in 63 days, 1 IRC (Shepherd-IL).

GERMANY, Democratic Republic: Radio Berlin International, f/d cds in 21 days (Streeter-NY); in 60 days (Shepherd-IL); in 34 days (Kapinos)...

GREECE: Voice of Greece, 11840, f/d cd in 7 weeks (Kapinos); VOA - Rhodes, 6015, f/d 40th Anniversary cd in 13 days (Audette-MA); VOA - Kavala, f/d VOA Building cd in 7 days (Chituck-ITALY).

HUNGARY: Radio Budapest, 9585, p/d Old Castle Scene cd in 52 days (Shevchenko BC); 9835, f/d Logo cd in 82 days (Speer-CA); 11910, f/d Blue Building cd in 45 days (Pfeffer-NY).

ICELAND: I.S.B.S., 13797, f/d Autumn Scene cd in 70 days for taped report and IRC (Witte-CA); same in 3 weeks for EE report and IRC (Wilkins-CO).

IRELAND: South Dublin Radio, 6240, f/d cd in 21 days (Rekich-PA), in 44 days for 2 IRC (Ray-PA), in 14 days for 2 IRC (G. Raymond-MA); in 38 days for IRC (Coleman-MA), in 5 weeks for 2 IRC (Lazarus-LA); Capital Radio, 6268, f/d card in 2 months for 2 IRC, v/s Aidan Hughes (Lobdell-MA).

ITALY: RAI via Calinassetts, Sicily, 7175, f/d painting card including site in 80 days, for EE report in II broadcast (Lay-VA).

MALTA: International Christian Radio, 9515, f/d Canadian National Tower cds in 25 days for ms (Herkimer-NY), in 34 days (Lay-VA), in 35 days for IRC (Streeter-NY), in 36 days, IRC (Witte-CA); Xandir Malta, 9670, f/d form letter in 222 days on second try (Streeter); date only (and that was wrong) letter in 1 year total, 120 days after follow up, 2 IRC (G. Raymond).

MONACO: TWR - Monte Carlo, 9495, f/d building cd in 3 weeks, (Wilkins-CO); same in 53 days (Speer-CA).

NORWAY: Radio Norway, 11870, f/d cards in 49 days (Pfeffer-NY), 29 days for IRC (Shepherd-IL), 40 days (Beeman-OH); 25730, same in 50 days along with sked (Kobylski-MD).

POLAND: Radio Polonia, 15120, f/d Lazienki Park card in 46 days (Chituck).

PORTUGAL: Radio Portugla, 6025, f/d Two Dancers cd in 36 days (Speer-CA); 11925, f/d "The Aguilas Collector of Seaweed" card in 42 days (Pfeffer); Radio Japan via Sines, 11950, f/d Mt. Fuji cd in 1 month (Herkimer-NY).

ROMANIA: Radio Bucharest, 9570, f/d Stephen the Great" cd in 50 days (Alexander-NC), 11840, f/d Romanian Ceramics cd in 58 days (Miller-CA), 11940 f/d Galati Harbor cd in 11 weeks (Wilkins-CO); 15270, f/d Stephen the Great cd in 110 days (Robinson-AUST); 17720, f/d Folk Dancers cd in 75 days (Tait-AUST); 11840, f/d "Foresters Daughter" painting cd in 6 weeks along with red/orange pennant (Kapinos).

SPAIN: Spanish Foreign Radio, 9630, f/d cds in 5 weeks (Vockeroth-NJ), in 37 days (Thompson-NM), in 87 days (Chituck-ITALY); 9650, same in 45 days for SS report (Robinson-AUST), 11880, f/d cds in 42 days (Alexander-NC), 79 days (Chituck), 41 days (Pfeffer), 65 days (Speer-CA), 5 weeks (Wilkins-CO). Has anyone seen a pennant from them recently (kap).

SWEDEN: Radio Sweden, no data card (fill it out and return it for full QSL), for report on 11705, also rcvd pennant and sked (Lord-CA).

SWITZERLAND: Swiss Radio International, 9725, f/d City of Corrip cd in 30 days (Kobylski-MD), Village Scene cd in 24 days, IRC (D. Johnson-ID); International Red Cross Station, 7210, f/d Globe and Headphones cd in 26 days for 1 IRC (Parks-FL).

VATICAN: Radio Vatican, 6015, f/d 50th Anniversary cd in 20 days (Latko-OH).

AFRICA

Before we get on with the QSLs, I'd like to clear up an error I made in the February column regarding Ron Howard and Dave Cook's SWAPO QSLs. I took the liberty of listing them under Ethiopia presuming that the only transmitter being used was the old VORE one. Ron Howard writes advising the following "The ID's I hear clearly state: This is the Voice of Nanibia, the radio program for the South West Africa People's Organization, SWAPO, of Nanibia, transmitting from the studios of the National Radio of the People's Republic of Angola" Ron adds "Another reason I am sure is the fact that I am listening to Radio Nacional de Angola's programming just before and after I hear the Voice of Nanibia, with no break in the transmission". Thanks very much, Ron, for the letter and my apologies for lousing this one up. (kap).

CAMEROUN: Radio Bertoua, 4750, f/d form letter in 45 days (Rekich-PA).

GABON: RTV-Gabonaise-Franceville, 4830, date/freq RTG folder cd in 5 months (6 weeks after follow up). The correct address, thanks to Jerry Berg, is B.P. 270, Franceville. Report in FF with 2 IRC. V/S F. Etoughe-Nze, Le Chef de service du centre emetteur RTG D'Epila Franceville. (Lobdell-MA). Chris, thank you very much for the informative and detailed report on this. WRTVH-1982 still lists the wrong B.P. # (kap)..... Africa Number One, 4811, no data FF letter in 6 weeks (Harrington-MA), same in 38 days for 2 IRC (Vockereth-NJ). Radio France Internationale via Moyabi, 15435, f/d RFI 50th Anniversary cd in 32 days (Audette-MA).

IVORY COAST: RTV Ivoirienne - Radio Abidjan, 11920, f/d Map/Antenna card in 35 days for EE report, 3 IRC (G. Raymond-MA). Nice one, Greg. Haven't seen a 25 metre band QSL on this one for quite a while (kap).

LIBERIA: VOA-Monrovia, 6035, f/d 40th Anniversary (Golden Gate Bridge) cd in 28 days (Kivell-NM), 15240, same in 11 days (Kapinos).

MADAGASCAR: Radio Netherlands Relay, 15570, f/d Painting card in 37 days for Dutch report (Robinson-AUST).

MOROCCO: VOA Tangiers Relay, 15205, f/d cd in 17 days (Hardester-CA).

MOZAMBIQUE: Radio Mocambique, 4855, f/d World Map in Color cd in 50 days, EE report, 3 IRC (Tait-AUST); 9620, same card in 47 days for PP report and 2 IRC (Rocha-CA). Congratulations, gents, this is indeed a tough one, first I've seen since I've been doing the column (kap).

NIGERIA: FRCN-Kaduna, 4770, f/d letter in 64 days for ms (Kivell-NM); FRCN-Enugu, 6025, f/d form letter in 52 days for ms (Schlesinger-TX); Voice of Nigeria, 15120, f/d Tefawa Balew Square Athletic Arena cd in 275 days (Kobylski-MD).

SAO TOME E PRINCIPE: Radio Nacional, 4807, f/d multi language letters in 120 days after follow up for PP report and 2 IRC (Gavaras-MN), same in 78 days for PP report and 3 IRC (Audette-MA); same in 136 days for PP report and IRC (Parks-FL). Now that Africa Number One has settled on 4811 or so, reception of this station is again possible (kap).

SEYCHELLES: FEBA, 11810, no data Map cd in 27 days (Kobylski-MD), 15175, same in 43 days, 1 IRC (M. Johnson-ID), 15200, same in 35 days for 2 IRC (Tanigawa-HI). Yes, by all means count it (kap).

SOUTH AFRICA: S.A.B.C., 4835, f/d cd in 30 days (Streeter-NY); Radio RSA, 9580, f/d cards in 1 month (Vockereth-NJ), in 25 days (Holbrook-MD), 9615, f/d cd in 56 days (Chituck-ITALY); 11900, same in 48 days (Chituck), in 62 days (Smith-FL); 15325, same in 35 days (Blake), in 25 days (McCants-LA); 17775, same in 30 days (Speer-CA). Most received the "African Elephants" card.

SWAZILAND: TWR-Manzini, 11740, f/d Transmitter/Antenna cards along with skeds in 60 days (Lord-CA), in 58 days, 2 IRC (Manning-TX).

TOGO: RTVT-Togo, Lama-Kara, f/d multicolor cd for report on 3222, FF report, 2 IRC, 5 months (Kapinos).

TANZANIA: Radio Tanzania, 4785, date/freq red and yellow QSL card in 10 months, 5 weeks after 2nd follow up, EE report and ms (Lazarus-LA); 9685 same card in 110 days (Robinson-AUST).

TANSKEI: Radio Capital, 9790, d/f cd in 117 days, 2 IRC (Manning-TX).

ZIMBAWEWE: ZBC-Radio 1, 3306, d/f large map cd in 117 days (Robinson-AUST); 3396, same cd in 141 days, 1 IRC (Audette-MA).

THE MIDDLE EAST

AFGHANISTAN: Radio Afghanistan, 15077, f/d "Melon Market" cd in 10 weeks, 2 IRC (Wilkins-CO), f/d Monument cd in 76 days, 2 IRC (Manning-TX).

ALGERIA: RTV Algerienne, 15370, f/d cd in 79 days for Tri Lingual report and IRC (Sherwood-MA); 25700, f/d Blue Folder cd in 35 days for 2 IRC Ward-QUE). Good show, folks (kap).

EGYPT: Radio Cairo, 12000, f/d cd in 93 days (???-??). Names on each ship..

IRAN: VOIRI, 9022, f/d Masses cards in 45 days (Rekich-PA), (Chitick-ITALY)

ISRAEL: Kol Israel, 9815, f/d Jerusalem card in 49 days (Pfeffer-NY); 11640, f/d Jewish Workers cd in 47 days (D. Johnson-ID); 15385, f/d Jerusalem cd in 20 days (Huffaker-MEX); f/d Israel Musuem cd in 64 days (Thompson-NM).

KUWAIT: Radio Kuwait, 11650, f/d folder card in 76 days (Chituck-ITALY), 11675 same in 40 days (Manning-TX), in 5 weeks (Wilkins-CO), in 34 days along with cassette of AA music for 1 IRC (Witte-CA); 15345, same cd in 41 days (Tanigawa-HI), 17650, same in 26 days (Thompson-NM).

LEBANON: Voice of Hope, 6215, f/d personal letters in 11 days (Flanagan-MA), in 17 days (Herkimer-NY), in 18 days for 2 IRC (Streeter-NY).

SAUDI ARABIA: BSKSA, 11855, partial cata logo card in 8 months, 2 months after follow up, IRC (Lay-VA); same cd but f/d in 63 days, (Robinson).

UNITED ARAB EMIRATES: Radio Dubai, 11755, f/d Map/Logo card in 29 days (Winiarz-QUE), 15320, same in 30 days (Runnels-TX), same in 25 days for taped report (Fernando-NY); 17775, same in 171 days (Byron-NY).

Note: No complaints on seperating "Middle East" out, so will continue (kap).

ASIA

AZAD KASHMIR: Azad Kashmir Radio, 6275, n/d letter in 3 weeks (Herkimer-NY), in ??, (Berg-MA), in 43 days, 2 IRC (Leite-MA), in 3 weeks for mint stamps (Wilkins-CO). There is some question as to whether the actual transmission comes from Azad Kashmir or a Radio Pakistan transmitter. Until proven urtherwise we will count as AK (kap).

BURMA: BBS, 5985, f/d Logo card in 82 days, EE report, IRC (M.Johnson-ID).

CHINA: Radio Peking, 9820, f/d cd in 25 days (Holbrook-MD), in 5 weeks (Wilkins-CO), 11650, same in 21 days (Flanagan-MA), in 26 days (Holbrook); 15120, same in 30 days (Alexander-NC), in 1 month (Herkimer-NY), in 24 days (Averill-MA), in 26 days (Speer-CA); 15520 same in 33 days (Winiarz-QUE) in 24 days (Tanigawa-HI), in 34 days (Byron-NY). Most also received pennants and schedules (kap).

Regionals: Puzhou PBS, 2340, d/f CC card in 40 days for EE/CC report (Robinson-AUST); Hunan PBS-Changesa, 4990, date only CC card in 3 wks for EE/Mandarin report (Wilkins-CO); CPBS, 15590, f/d cd in 26 days (Smith-FL).

INDIA: All India Radio, 4800, f/d cd in 83 days (Robinson-AUST); 9912, f/d cd in 69 days, 2 IRC (Ward-QUE); 11620, f/d cards in 51 days, 1 IRC (Singel-IN), in 65 days, 2 IRC (Claytor-MI), in 40 days (Thompson-NM), in 52 days, IRC (Marshall-AZ), in 85 days, ms (Kivell-NM); 15110, f/d cd in 61 days for IRC (Chituck-ITALY).

INDONESIA: Voice of Indonesia, 11790, d/f cd in 89 days (Sherwood-MA), in 68 days, 2 IRC (Lay-VA), in 64 days, IRC (Streeter-NY), in 114 days, 2 IRC (Leite-MA), 15150, f/d cd in 115 days (Audette-MA).

JAPAN: NSB, 6055, f/d cd in 165 days, 2 IRC (Robinson-AUST); Radio Japan, NHK, 15325, p/d cds in 15 days (Van Beurden-CA), in 35 days (Pfeffer-NY); 17825, same in 21 days (Huffaker-MEX), in 20 days (Blake), in 64 days (Flanagan-MA); 21640, same in 23 days (Kobylski-MD).

KAMPUCHEA: Voice of the People of Kampuchea, 11938, time/frequency photo copy in 220 days via Hanio (Robinson-AUST).

KOREA, SOUTH: Radio Korea, 9720, f/d cd in 8 weeks (Harrington-MA), in 36 days (Miller-CA), in 65 days (Kivell-NM); 11830, f/d cds in 40 days (Beeman-OH), in 75 days (Berri-CA); 15575, same in 59 days (Tate-AUST), in 60 days (Streeter-NY), in 9 weeks (Vockeroth-NY). Most also received pennants and skeds.

LAOS: Laos National Radio, 6130, n/d letter in 67 days, for 1 IRC, V/S Bounmeh Phensavanh. The veri statement says "We can say it is correct that your reception report" (Rekich-PA). Pretty good one here (kap).

PHILIPPINES: VOA Poro/Tinang, 26000, f/d 40th Anniversary cd in 35 days (Jones-VA); FEBC, 11890, f/d native hut cd in 25 days, IRC (Tanigawa-HI); 15440, f/d Water Buffalo cd and pennant in 4 weeks, 1 IRC (Wilkins-CO); 17816, f/d Native Hut cd in 39 days, 2 IRC (Speer-CA); Radio Veritas Asia, 9605, date only cd in 39 days for monitor report (Miller-CA).

TAIWAN: Voice of Asia, 5980, f/d Asian Scenes cards and pennants in 165 days, no rp and 29 days, 2 IRC (Tait-AUST). Looks like they need the rp here (kap). Voice of Free China, 11745, f/d Butterfly cd and gift pack in 11 weeks (Wilkins-CO); 17800, same in 30 days (Vogelman-NY), 11765, same in 82 days (Leite-MA); 17800, same in 40 days (Flanagan-MA), 17890, same in 28 days (Van Beurden-CA). Ted VanBeurden advises that the U.S. Air Force is shipping him to Italy and that he'll be out of contact with him for awhile. We await your return (kap).

THAILAND: Radio Thailand, 9655, f/d Thai Mask card along with sked and strn info in 137 days for 2 IRC (Shlesinger-TX).

TURKEY: Voice of Turkey, 7215, f/d cartoon card, pennant and stickers in 22 days, 1 IRC (Lay-VA), 9560, f/d Women in Front of Building cd in 23 days, along with pennant (Beeman-OH).

VIETNAM: Voice of Vietnam, 10010, f/d logo card in 185 days of 2 IRC (Huffaker-MEX); 15010, same in 200 days, IRC (Jones-VA), same in 147 days, 2 IRC (Leite-MA). Takes a bit of patience here, folks (kap).

OCEANIA

AUSTRALIA: VLM-4, Brisbane, 4920, f/d map cards in 35 days, IRC (Streeter-NY), in 39 days, 1 IRC (D. Johnson-ID), in 2 weeks, IRC (Wilkins-CO); VLI-6, 6090, f/d map card in 47 days (Speer-CA); VLW-9, Perth/Waneroo, 9610, f/d map cards in 17 days, 2 IRC (Singel-IN), in 18 days, 1 IRC (Tate-WV), in 27 days, IRC (Blake), in 20 days (Kobylski-MD); Radio AUSTRALIA, 9580 via Shepparton, 9580, f/d Regent Bowerbird cd in 37 days (Winiarz-QUE). For some reason, R.A. has chosen to verify a report once in awhile. No pattern seems to be developing (kap).

COOK ISLANDS: Cook Islands BC Corporation - ZK4, 11760, f/d shell card in 1 month, 2 IRC, 2nd report (O'Riordan-ID).

GUAM: KTWR, 11840, f/d "Romans 10:17 cd in 45 days, 30¢ U.S. ms (Tanigawa-HI); 17770, same cd in 25 days (Flanagan-MA); same cd along with religious booklets in 6 weeks for taped report (Kapinos). Don't forget, U.S. reporters should send a couple of U.S. 20¢ stamps rather than those very expensive IRC (kap).

NEW ZEALAND: Radio New Zealand, 17860, f/d Tourists and Maori Maiden cd in 70 days, IRC (Pfeffer-NY); 15485, f/d Tourist Sights cd in 24 days (Kobylski-MD); f/d Fishing cd in 13 days, 2 IRC (Shamblin-CA). All also received a paper pennant.

PAPUA NEW GUINEA: Radio Southern Highlands, 3275, date/time personal letter, blank NBC card and paper pennant in 4½ months, 3 weeks after follow up for EE report and ms (Lazarus-LA); Radio Milne Bay, 3360, date/freq mimeo form letter along with NBC card in 4 months, 1 month after follow up, EE reports and ms (Lazarus).

SOLOMON ISLANDS: Solomon Islands Broadcasting Co., 9545, f/d Logo cards in 30 days, IRC (Shepherd-IL); in 37 days, 2 IRC (Manning-TX).

TAHITI: FR3, Papeete, 15170, f/d Native Girl cd in 28 days for EE report and IRC (Ward-QUE); f/d Man with Conch Shell and FR3 logo card in 7 days, 1 IRC (Fortmann-IL).

VANUATU: Radio Vanuatu, 7260, f/d "Slit Gong" cards in 35 days, 2 IRC (Huffaker-MEX), in 63 days, ms (Schlesinger-TX), in 40 days, 3 IRC (G. Raymond-MA), in 90 days, 2 IRC (Tait-AUST). Figure this one out, Don Tait, who is a half a globe closer to Vanuatu gets his QSL in 3 months, the U.S. folks get theirs in at least a month less (kap).

USSR

Radio Moscow Sites:

Irkutsk, 21530, f/d cd in 54 days (Robinson-AUST).
Moscow, 9600, f/d cd in 49 days (Chituck-ITALY).
Nokolayevsko-on-Amur, 9730, f/d cd in 49 days (Smith-FL).
Omsk, 17765, f/d cd in 67 days (Latko-OH)
Tula, 9610, f/d cd in 66 days (Chituck-ITALY), in 63 days (Smith-FL)

Radio Moscow will mark sites on most QSLs on request. There are 2 excellent sources of site information, our own SPEEDX Guide of Soviet Broadcasting, write to Don Johnson at SPEEDX HQ in Lake Elsinore for details; and Rogger Legge's UHN Newsletter. Roger can be reached at Box 232, McLean, VA 22101. For less than a \$5.00 total investment you can be right on top of the Soviet situation and add a multitude of new sites to your QSL collection (kap).

Radio Kiev: 11880, f/d cd and bunch of stuff in 55 days (Pfeffer-NY); same on 17870 in 11 weeks (Harrington-MA).

Radio Vilnius: 9610, f/d card in 3 years, 9 months and 13 days. Envelope was postmarked in Vilnius on 25 April 1978 and arrived here in perfect condition on 22 January 1982. If it didn't happen to me, I would never believe it (Kapinos-MA). If you weren't me I'd doubt it too (kap).

SOUTH AMERICA

ARGENTINA: RAE, 9690, f/d Logo card in 27 days, 2 IRC, along with sked, map and tourist info (D. Johnson-ID); 11710, date (wrong) and freq cd in 44 days, 1 IRC (Holbrook-MD). I wouldn't put anything past RAE, I have it from a pretty reliable source that someone accidentally send a LRA-36, Argentine Antarctic report to them and they send an RAE card with all the wrong info (date/time/frequency). (kap)....

Bolivia: Radio Panamericana-La Paz, 6105, f/d map card in a month for SS report and mint stamps. Took a total of 9 reports since 1979 to get this one. V/S Daniel Sanchez Rocha, sub-director de radio (Lobdell-MA).

BRAZIL: Radio Bras, 15290, 17830, f/d cds in 54 days (Alexander-NC), in 44 days, 1 IRC (Portmann-IL), in 56 days (Claytor-MI), in 63 days (Miller-CA), in 54 days (Pfeffer-NY), in 123 days (Smith-FL); Radio Timbira-Sao Luiz, 15212, f/d letter in EE in 6 weeks after follow up, 6 months total, reported in PP with minst stamps. The V/S, Joao Ferreira, requested reports on their EE-PP program "International Correspondent" which airs Monday GMT at 0000. The correct address, different from WRTVH/81 (though corrected in WRTVH/82 (kap)) is Rua do Cerreio, Bairro de Fatima, 65000, San Luis, Maranhao (Lobdell-MA). Again, thanks for the super info (kap).

COLOMBIA: Radio Bucaramanga, 4845, date only logo card in 34 days for EE report and ms (Parks-FL); Ondas Del Darien, 6085, n/d personal letter in 12 weeks for SS report and ms, v/s Manuel Cardona Agudelo, Dir. Gen., return address noted as Apto. Aereo 1289, Medellin (Wilkins-CO). Thanks to you, too, John, for the important info (kap).

ECUADOR: HCJB, The Voice of the Andes, 3220, 9745, 15115, 15155, 26020, f/d cards in varying amount of time (Black-CA), (D. Johnson-ID), (Tanigawa-HI), (Thompson-NM), (Miller-CA), (Smith-FL), (Grijalva-AZ), (Chituck-ITALY), (Robinson-AUST), (Leite-MA). Radio Cultural Antena Libre, 3240, SS letter for SS reports and ms in 19 days (Wilker-FL), in 22 days (Reinstein-FL); La Voz del Napo-Tena, 3280, f/d personal SS letter and beautiful cloth pennant in 7 weeks for SS report and ms (Lobdell-MA); Radio Paz y Bien Ambato, 4820, f/d card (incorrect time), letter, Christmas card and 28th anniversary cloth pennant in 6 weeks for SS report, ms - this after numerous tries over the past 3 years, V/S Enrique Pesantez G., Gerente. (Lobdell-MA); Radio Quito, 4920, no data blue folder card in 30 days for SS report and IRC (Streeter-NY). V/S on R. Quito was Jose Almeida.

NICARAGUA: Radio Sandino, 7316, verification statement of the Clandestine Radio Sandino (17 July 1979), poster, pennant and medium wave sked in 30 days for SS report and 3 IRC (Gavaras-MN).

PERU: Radio Rioja, 5045, date only personal verie letter and pennant in 6 weeks, SS report and mx (Lazarus-LA); same in 6 weeks also for SS report, ms and taped report. V/S Teofilo Juan Mori Mendoza, Director, address is Jr. Faustino Maldonado, 934, Rioja (Lobdell-MA).

SURINAME: Radio Apintie, 5005, f/d letter in 52 days (Witte-CA), same in ?? (Audette-MA), in 60 days (Streeter-NY). Pennants also received.

VENEZUELA: Radio Yaracuy, 4940, carbon copy letter with date/frequency written in in 1½ months for SS report (Herkimer-NY), same in 5 weeks, SS letter, taped report, ms (Kapinos); Ecos Del Torbes, 4980, freq only map card in 115 days, SS report, IRC (Tate-WV).

NORTH AMERICA

BONAIRE: Trans World Radio, 9755, f/d cd in 28 days, IRC (Fortmann-IL), same in 64 days for Can. ms (Philip-BC), same in 60 days for U.S. ms (Speer-CA); 11815, same in 29 days, IRC (Chituck-ITALY); Radio Netherlands Relay, 6165, f/d cd in 58 days (Runnells-TX), 9590, same in 19 days (Winiarz-QUE), same in 31 days (Chituck-ITALY); 9715, same in 2 weeks (Wilkins-CO), 21685, same in 21 days (Speer-CA), in 25 days (Smith-FL).

CANADA: CFCX-Montreal, 6005, date/time cd in 71 days (Rekich-PA), same in 72 days for ms (Streeter-NY); CFRX-Toronto, 6070, date/freq card in 9 days, IRC (Streeter); CKFX-Vancouver, f/d Super Country cd in 4 weeks (Wilkins-CO); CHNX-Halifax, 6130, f/d Nova Scotia Scenes cd in 265 days ms (Parks-FL), CKZN-St. Johns, 6160, f/d map folder cd in 31 days, ms (Streeter), in 10 days, ms (G. Raymond-MA); CBC Northern Quebec Service, 11720, no data Eskimo cd in 23 days, IRC (Chituck-Italy); Radio Canada International, 11955, f/d "Do It Yourself Card" in 5 weeks (Vockeroth-NJ), in 74 days (Christopher-NJ); 17820, same in 66 days (Miller-CA).

COSTA RICA: Faro Del Caribe, 5055, f/d cd in 92 days, IRC (Streeter-NY).

CUBA: Radio Habana Cuba, 11760, f/d cd in 186 days (Manning-TX), 11920, f/d cd in 298 days (Chituck-Italy), 11760, f/d cd in 180 days (Alexander-NC); Radio Moscow Relay, 11840, f/d cd in 45 days (Schlesinger-TX).

GUATEMALA: TGNA, 3300, date/freq card in 153 days, 2 IRC (Manning-TX), Radio Mam, 4825, date only form letter with pennant photocopied on back in 97 days, ms and SS report (Parks-FL).

HAITI: Radio 4VEH, 11835, f/d children cd in 259 days (Rekich-PA).

HONDURAS: La Voz de la Mosquitia, 4910, f/d palin white card and paper pennant in 1 month after follow up (10 months total)(Lobdell-MA). Still waiting for mine, did get some nice fund raising letters from Tupelo (kap)

MEXICO: R. Univ. de Sonora, 6115, frequency only station information card in 16 days for SS report and ms (Thompson-NM).

U.S.A. AFRTS, Bethany, 11790, f/d cd in 25 days (Streeter-NY); 21570 via Delano, same in 7 days (Tate-WV); UN Radio via Delano, 9565, f/d cd in 298 days (Tait-AUST); VOA via Delano, 21460, f/d cd in 7 days (Chituck); WYFR-Okochobee, 6070, f/d cards in 59 days, ms (Speer-CA); PIRATES: Voice of the Voyageur, 6825, f/d logo cd in 17 days (Rekich-PA); same in 17 days, Box 982, Battle Creek, MI 49016 QTH (Lazarus-LA); Radio Quadro, 6824, cd in 40 days (Rekich-PA).

Well, didn't run out of space afterall. Again, I must ask your indulgence for any typos, as last month we are doing this on the kitchen table as it is too cold in the shack. Thank Sears, Woebeck who have been promising delivery of the heater "any day now" for well over a month.

Have a nice letter from Dario Monferini, Via Davanzali 8, 20158, Milano, ITALY who is interested in swapping station stickers and pennants. He likes Medium Wave as well as SW stuff, so perhaps you can grab a couple of stickers from your local AM or FM "rocker" and send them along to him. You will not be disappointed in what he sends you.

Regarding the VOFC/Okochobee contest, we may have a problem here as VOFC is not putting the transmitter site on cards as yet. The rules do state that the site must be on the QSL, however, it they do not put any sites on at all we will cancel the contest and come up with another one.

Our personal congratulations to Jack Jones for being named SPEEDXer of the year. Jack has been running the SPEEDX Awards Program for several years now and is doing a super job.

An now, this Bud's for ME.

BEST
Kap 2/15/82

Tips and Topics

THE FEATURE SECTION OF SPEEDX

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

FERRITE ANTENNA

RADIO WEST FERRITE LOOP - JS JT WORTHWHILE?

by Cliff Brown, JL

I suppose almost every SWL at one time or another has wondered if a loop antenna could help reception. The ferrite design is very compact and looks appealing but the price is something else. For some time I was in this position. Several months ago I decided to take the plunge and since then I have been carefully evaluating the performance of the Radio West ferrite loop in hope of helping others to decide whether to purchase one or not.

When I first received my loop I was somewhat put off by the appearance. \$145 seemed an awful lot to pay for a small aluminum "project box" with a \$2 toggle switch, a plastic tuning knob with AM broadcast frequencies marked on it that looked like it came straight from a \$10 Japanese AM radio, a simple wooden support straight from high school woodshop class and a group of ferrite bars held together by a wrapping of electrical tape. Total cost of parts must be a fraction of the selling price. I then asked myself if I would want to take the time to build a loop for myself from scratch. Since the answer was no, I decided not to worry about the construction and see if the performance justified the purchase.

My receiver is the R-7 and it has a special isolated antenna input that is made to order for loops because it minimizes interaction with other antennas which may be connected and also allows quick comparison switching between antennas. My "reference" antenna is a dipole running east-west, 125 feet long and about 25 feet off the ground. The loop is operated in my basement so is actually about 3 feet below ground level though I have noticed no loss of performance from a previous second floor location.

The loop comes with three coils to cover the longwave, AM broadcast and SW spectrum up to about 6 MHz. Changing coils takes a minute or two and care is required because the ferrite bars are brittle and if dropped would undoubtedly snap, also because the wire on the coil forms is very thin and careless flexing and kinking could cause a break after a while. I've used some cardboard and silicone seal to create a form for the wires which holds them in place and allows quick connection to the screw terminals on the amplifier.

Since the SW frequencies are probably of most interest to SPEEDX readers, I'll mention SW performance first.

Generally speaking, as you move up in frequency, the directional effect of the loop decreases. Incoming signals are increasingly scattered by ionospheric reflection and if the reception is by more than one hop, the scattering can be considerable. The loop is best for peaking and nulling signals when reception is by groundwave and above the AM broadcast band this is almost never the case. One exception I've noted is the travellers information station near me at 1610 kHz. I can easily null this station out to receive other more distant stations. At 2182 kHz the Coast Guard stations can be noticeably peaked and nulled with the peak providing a slight improvement in signal strength over the dipole in most cases. In the 60 meter band the peak/null is very broad but still present. By the time 5 MHz is reached the peak/null has almost completely disappeared. From my results I would say that for nulling interfering stations, which is a principle use of the loop, useful results can be obtained up to 60 meters. Hand in hand with the directional quality of the loop is the selectivity and it also decreases with increasing frequency. At 1.6 MHz the tuning is sharp. By 5 MHz it becomes fairly broad with critical tuning impossible. Finally and not least important in sensitivity. There are many SWLs who cannot put up an outside antenna of appreciable length and they have probably considered active antennas as an alternative. Listed below are stations as received on the loop and my wire dipole along with a reading in decibels indicating which antenna provided a stronger signal. The readings were taken from the R-7 S-meter which is claimed to be quite accurate and has proved to be in practice. As a subjective reference, 5dB is a noticeable increase in strength, 10db is a substantial increase and 15db is a "Wow, what a difference!" increase. (this is a very scientific test!)

<u>STATION/FREQ.</u>		<u>LOOP</u>	<u>DIPOLE</u>
R. Nether.	6185	+15db	
BBC	6175	+10db	
RHC	6060		+5db
VOA	6035	+5db	
Portugal	6005	+5db	
BBC	5975	+5db	
Nicaragua	5950		+5db
R. Santa FE	4965		+15db
R. Colosal	4945		+15db
Ghana	4915		+5db
Benin	4870		+10db
R. Reloj	4832		+10db

In each case the loop was peaked for best signal. It should be noted that my dipole is tuned for 3.5 to 4 MHz so it is to be expected that it will provide a better signal as this range is approached. For listening below 6 MHz I would not hesitate to say the loop is more than a match for a wire antenna except in the resonant frequency range of the wire. The ability of the loop to null interference is an added advantage.

Since SPEEDX is a SW magazine I won't go into great detail on AM broadcast and LW reception but since the loop gets better and better as the frequency goes lower I should mention what it can do below SW.

Just as on SW, the loop does best at the bottom of the AM broadcast band when the AM BC coil is installed. Even at the high end around 1500 kHz it is easy to null undesired stations and with better nulling the loop comes into its own. On local stations I can reduce the signal strength up to 20db by adjusting the position of the loop. One station on 580 kHz can be nulled over 40 db. The selectivity becomes so sharp that the sidebands of a broadcast station can be peaked individually and a single sideband can be tuned so as to emphasize the low or high audio frequencies (all this assumes the receiver passband can be made narrow enough to utilize the selectivity of the loop tuning). Sensitivity is excellent and meets or exceeds the signal provided by the dipole. Some overload of the loop is sometimes encountered but would not be a problem if I were not so close to local stations, two miles away in one case.

Finally we reach longwave and at frequencies below the broadcast band (500kHz) the loop can only be described as amazing. Selectivity is razor sharp and a steady hand must be used to tune a desired frequency. Sensitivity provides a 20db gain over the dipole and the directional characteristics is so sharp that the loop can pinpoint the direction of a station to within a few degrees. I have been able to extend the range of my DXing on LW by a thousand miles with the loop and have heard beacons as far away as South America. I should stress that this superb performance will not be realized if the receiver in use is subject to overload. If you can hear AM BC stations on LW the additional selectivity of the loop might help reception if the receiver is well shielded. In addition, if the receiver does not have enough selectivity the desired signal will not be obtained since noise is boosted along with the signal.

In conclusion, I don't regret my purchase. Because I enjoy LWDX I feel the LW performance alone has justified the cost. I hope this report will allow others to make a decision with more than just the hope with which I made mine.

=====

RTTY READER

THE MICROCRAFT RTTY READER KJT

by Guy Atkins, WA

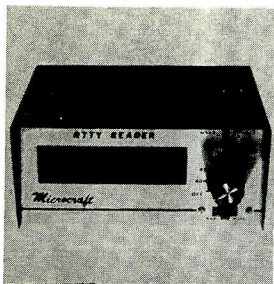
All too often, we think of RTTY in a context like this: "NIRVANA ISLANDS—R. Nirvana, 4825, good at 0530 w/tiki drums IS, non-stop hula mx, then utterly destroyed by RTTY QRM at 0600 (D. Hexer-NY)"

It's true. RTTY signals frequently stomp out innocent DX on 60 meters and behave rudely in other bands as well. No wonder RTTY is a four letter word!

However, a growing number of hobbyists deliberately seek radioteletype. For these SWLs, RTTY stations become a "catch" and not a curse.

The electronic state-of-the-art has reached the point where alternatives to "clackety-clack" teletype printers are practical and affordable. RTTY demodulators coupled with video screens have been around for a few years, but they can cost as much as a good communications receiver. For the SWL wanting to explore radioteletype at reasonable cost, self-contained units like the Microcraft RTTY Reader provide the answer.

I bought my RTTY Reader for \$149.95 plus \$5.00 shipping from the Microcraft Corporation, P.O. Box 513, Thiensville, Wisconsin 53092 (ph. 414-241-8144). An assembled version runs approximately \$100 more.



FEATURES AND COMPONENTS. The instruction manual begins with a detailed description: "The RTTY Reader is a radioteletype code reader of advanced electronic design that provides accurate and reliable performance, even under marginal receiving conditions. Standard TTL and linear ICs are employed as well as a UART, an EPROM, and discrete components. Included also is a versatile signal processing system capable of handling both BAUDOT and ASCII codes from 60 to 100 WPM, a built-in demodulator with separate active filters for narrow, medium and wide frequency shift and separate "space" and "mark" tuning LEDs. The decoded RTTY is displayed on an eight character moving character display."

The display is best described as a "moving billboard" type, using red, 14 segment readouts that can reproduce all letters and numerals, plus most punctuation marks. Other front panel features are the shift selector switch for narrow (170 Hz), medium (424 Hz), and wide (850 Hz) frequency shifts; speed (WPM) selector rotary switch (OFF-60-67-75-100-ASCII); "letters" pushbutton switch; and mark and space LEDs.

On the back panel is the normal/inverted mark frequency switch, audio input phono jack, aux. output phono jack, and the AC line cord.

The interior of the unit consists of a power supply board, a main board, and a display board, with numerous interconnecting wires. The pc boards are double sided with plated-through holes. The boards are quality all the way, with good etching, accurately drilled holes, and good screen printing of part numbers and symbols.

The kit consists of about 170 components, plus many miscellaneous items. Sockets are furnished for all ICs. The kit I received had 4 resistors missing, which was a minor but annoying problem. The unit is housed in a sturdy metal case 7½" wide, 3-3/8" high, and 6" deep.

The kit's instruction manual is clearly written and covers all assembly details thoroughly. The manual includes an introduction to RTTY theory, and a frequency list of common RTTY stations.

CONSTRUCTION. Assembling the RTTY Reader Kit requires meticulous soldering, patience, and attention to detail. It took about 10 hours to complete the kit. An assembly jig or pc board holder is a great help, as well as a magnifying glass for checking solder connections closely.

ALIGNMENT. An audio oscillator, AC volt-ohmmeter, and a frequency counter are needed to properly align the RTTY reader. Lacking these, I took the unit to a local ham radio shop and they aligned it for \$25.00. The instruction manual contains complete alignment data. Microcraft also sells a cassette tape with the correct audio tones recorded on it that can be used for alignment. However, the instructions warn that the cassette method is a much coarser, trial-and-error procedure.

HOOKUP AND OPERATION. The RTTY Reader is wired in parallel with the receiver speaker. I installed a phone jack on my FRG7700's back panel to make this connection a removable one. (The FRG7700's External Speaker Jack is not suitable for the RTTY Reader as it disables the internal speaker.) I also wired a back panel toggle switch that allows me to disable the speaker when tuning a RTTY signal through the headphones. Due to the FRG7700's wiring, normal use of the headphones jack is impossible with the RTTY Reader connected. A SPST switch solves the problem.

A stable receiver is a must when used for radioteletype. Even my FRG7700 must warm up for 20 minutes before rock steady RTTY can be copied. Before the 20 minute period, the display and the mark and space LEDs need to be watched closely for indication of drifting. RTTY puts greater demands on a receiver than does AM or SSB reception.

The RTTY reader is easy to operate. But because of the large number of RTTY "standards" used today, some care and patience is needed to find the right combination of frequency shift, speed, and mark frequency to provide readable copy.

The mark and space LEDs are effective tuning aids for medium to strong signals. But on weak signals the input level (receiver volume control) must be turned up to increase the LEDs' brightness.

I find it easiest to first try to match the frequency shift to an unknown RTTY station. With the receiver in the LSB mode (or SSB is sideband is not selectable), the tuning is carefully adjusted until both LEDs are brightest and flicker in time with the incoming

code. If only one LED at a time can be made to flicker, the unit is in the wrong shift. When the shift is correct, I then try different positions of the speed (WPM) selector until readable copy appears. If copy will not appear at any position, I return to the alternate sideband or flip the normal/inverted switch on the rear of the chassis. Occasionally a continuous string of numbers and punctuation marks will appear on the display. The letters mode is then restored by pushing the "letters" switch.

EVALUATION. The Microcraft RTTY Reader does a very good job of deciphering signals, especially considering its reasonable price. If a signal is weak but in the clear, the unit will generally pick up enough information correctly to make the message understandable. The stronger the signal, of course, the cleaner the copy will be. Static or interference tends to complicate the situation, but the RTTY Reader handles adjacent stations better than static. If you can imagine the various characteristics of AM (voice) shortwave reception translated into a visual display of information, you'll have a good idea of RTTY reception: fading, static, interference and other phenomena affect RTTY too.

Following copy on the eight character display is no problem, even with 100 WPM news releases. All copy appears in bright red capital letters, numerals, and punctuation marks. The 14 segment readout will not reproduce any symbols using a period, but they will show the main part of a question mark. Commas, apostrophes, parentheses, quotation marks, dashes, addition signs, slashes, and a funny looking percent sign are also shown.

A much needed feature that is missing from the RTTY Reader is a display dimmer. In low room light the brilliant red display makes for tired eyes in short order.

RTTY transmissions can be taped for later playback and display, so the tape output jack is a nice touch. However, occasional characters are dropped or incomplete when the recording is played back through the RTTY Reader.

The technician who did the alignment remarked that the RTTY Reader outperforms the Kantronics Mini Reader and Field Day models. In addition, the RTTY Reader's 2 LED tuning system gives quicker, more accurate tuning than the single LED on the Kantronics units.

SUMMARY. The Microcraft RTTY Reader gives very good performance for the money. Whether you buy the kit or assembled version, it is a fun and practical way to add radioteletype to your DX shack.

PRESELECTORS

SHALL WE TUNE OR PRESELECT?

by W. Page Pyne

Much has been written in SPEEDX over the years about preselectors as offered by MPJ, Gilfer, Radio West and others. Fact is...much of our SWL equipment is designed primarily for the Amateur Radio Market. One is led to wonder if some other amateur radio accessories might find their way into the shortwave listener's shack.

My station is currently set up for both ham and SWL. Aside from the radios and traditional headphones, I have a Kantronics Code-RTTY Reader, an MFJ Antenna Tuner and an Ameco PLF Preselector.

The preselector offers the advantage of gain on the signal as well as the ability to possibly reject unwanted signals outside the switched band of the preselector. It does help with signals that would otherwise be in the noise.

Many SWL's use a longwire antenna and the preselector only aids at the receiver and doesn't help the antenna itself along. It does magnify signals present from the antenna but I emphasize the preselector does not help the antenna hear any better.

Longwires unfortunately are only really resonant for a given band of frequencies depending on length. The resonance is dependent on multiples of fundamental resonant frequencies. Unfortunately our shortwave broadcast bands do not follow this exact pattern.

It follows that a longwire by itself is a compromise arrangement and the best alternative would be a separate antenna for each band, each high in the air away from each other.

Sad but true...we do not all own antenna farms nor have adequate room for same. We are lucky that one antenna will work after a fashion as an aerial for all frequencies even though we lose efficiency through non-resonant points. As stated previously the preselector helps overcome some of the problems with weak signal reception.

A secondary approach for even better reception is to add a tuning unit for the antenna. Electrically through such a system an antenna can be made resonant for almost any frequency within our general SWBC bands.

This is accomplished by adding capacitance or inductance to the antenna depending on whether it is too long or too short for natural resonance at the desired frequency of operation.

Fortunately there are many manufacturers of such tuners and if used for receiver use only such as with a longwire, the units are reasonably economical. MFJ, SST, JSR and others all make tuners that can accomplish this task which could make your antenna two or three times as sensitive to signals without adding a lot of noise to the signal received.

Address of some manufacturers of tuning units are as follows for SWLs requestion further information about tuners:

JSR Engineering, P.O. Box 368, West Covina, CA 91793
M&M Electronics, P.O. Box 1206, Brewton, Alabama 36427
MFJ Enterprises, Box 494, Mississippi State, MS 36427
Ben Franklin Electronics (SST DEALER) 115 1/2 N. Main, Hillsboro, KS 67083

Price range of useable units should start at \$40 for SST, \$50 for MFJ, others slightly higher.

One other note, a new active antenna for SWLs is the E.O.C. Antenna and Booster (with one year guarantee) available for \$23.95 postage paid from Electronic Overseas Corp., Inc., 214 E. Franklin Ave, Midland Park, NJ 07432. I have not tried this unit so can't comment on its quality or performance. The price is cheap compared to other active antennas on the market.

TIDBITS

WILL THEY BUY IT IN RAGOON: January 1, 1982 via Wilder A. Pickard; David L. Claytor via NY Times, December 11, 1981; Daily Mail, January 19, 1982 via S. Proom)

The nation's only commercial, non-religious shortwave radio station is beaming its powerful signal around the world—broadcasting the jazz sound of "Way Down Yonder in New Orleans" from Burma to Bermuda. It will take three or four weeks for the 100,000 watt transmitter to be properly broken in. In that time, the test tones will have the distinctive pulse of traditional Dixieland jazz. But after the expected final clearance, "The Rock of New Orleans," WRNO Worldwide, will switch to its "adult" programming—the advertiser-supported broadcast of rock music. There are only four privately owned stations now, and they are owned by religious organizations. Other shortwave stations in the US, such as the VOA and AFRTS are government operated.

Commercial shortwave stations such as WRNO were common in the US before and after World War II, said Jonathan David, chief of the broadcast bureau of the FCC. He said Costello's station is the first of its kind in almost 20 years. Costello said WRNO's powerful signal, transmitted from twin towers on the edge of a Louisiana marsh, will reach most of the world, except for parts of the Pacific. It will operate 12 1/2 hours a day on shortwave frequencies. The format of the station will be rock music, punctuated by English-language newscasts from ABC every half hour, and advertisements, primarily for American-made products and tourist attractions. In addition, Costello said he plans to market, over the air, records and blue jeans—WRNO Jeans with a station label on the pocket. (News and Observer, Raleigh, NC, Feb. 2, 1982 via Woody Seymour)

SOVIETS JAM BBC RADIO: The BBC said that its Polish language radio broadcasts are being jammed by Soviet transmitters "somewhere near Moscow." A BBC World Service report from London said at least two of the five shortwave frequencies used to broadcast in Polish were being jammed. Meanwhile, a Soviet newspaper accused the BBC of making direct appeals to Poles to resist the military government. (Chicago Tribune,

POLISH GREETINGS: Poles in the West have been given opening to friends and relatives in Poland by US-financed Radio Free Europe. The station sends short personal messages to Poland for two hours every day, enabling Poles in the West to make contact with those from whom they have been separated. Spokesmen for Radio Free Europe have said, "We have been flooded with requests from Poles seeking to send messages to their homeland." (Broadcasting Magazine via John H. Demmitt; Chicago Tribune, December 24, 1981 via Wilder A. Pickard II, IL)

LATE NEWS FROM RADIO WEST: We have been advised that due to a mismanagement problem, Radio West has found itself in serious financial difficulties. Grant Manning, the owner of the company, told Media Network on November 26th that they have had to suspend all their sales and modification services until the problem can be sorted out. They hope to be able to service all the equipment they've sold in the past, and those readers who have experienced strange problems with the company in the last 9 months are being asked to contact them again. (Morris Pfeffer, NY via Media Network)

CANADA: Anyone interested in Canada may obtain the free monthly publication, Canada D'aujourd'hui/Canada Today from the Canadian Embassy, 1771 N. Street NW, Room 300, Washington DC, 20036. As indicated the publication costs nothing. Can't be beat! The wide variety of topics have included, the beer industry, the logging industry, politics, weather, Canada's National Symbol, etc. . . Each issue runs about 15 pages. (Kraig W. Krist)

TIFC, FARO DEL CARIBE: TIFC, "Faro del Caribe" in Spanish, is located approximately three kilometers from the center of San Jose. TIFC has five transmitters: the medium wave and 60 meter transmitter

with 5000 watts, the FM Stereo transmitter with an output of 4000 watts which gives an effective power of 10 kw on 97.1 MHz, the 49 meter transmitter with a power of 2.5 kw on 6175 kHz, and the 31 meter transmitter with an effective power of 500 watts on 9645 kHz. TIFC covers the central plateau of Costa Rica at 1075 kHz on the mediumwave band. The 60 meter (tropical band) transmission on 5055 kHz covers Costa Rica and Central America. The 49 meter transmitter (500 watts) is well-received in the remote areas of the country. The 31-meter transmitter is often heard outside the country—sometimes long distances away. (Kraig W. Krist, VA via TIFC)

SHIP ENDS BROADCASTING PEACE MESSAGES TO ISRAEL: For many Israelis, New Years Day was the day the music died. At midnight Thursday, Abie Nathan shut down the pirate radio station on his Peace Ship after nearly a decade of broadcasting peace messages and pop music. Nathan, who got his start by piloting a biplane to enemy Egypt in 1966, said the ship could no longer survive a stormy Mediterranean winter. He is asking permission to put his radio station on Israeli soil. Nathan plans to anchor his 42-year-old vessel on Tel Aviv's shore while awaiting a government decision on its future. (Minneapolis Star, 1/2/82 via John Williams, MI; Los Angeles Times, 1/2/82 via R. Hesch, NY; San Antonio Express, 1/2/82 via Jim Boehm, TX)

CUBAN BROADCASTS CAUSING CONCERN: On a recent night in Stamford, CT., a radio listener found himself hearing news, pop music and propaganda in English from the Soviet Union. It was the Moscow World Service being broadcast from Havana on 1160 AM. It was the first time that English programming from Havana had reached the Northeast on the AM band, according to the FCC. That was early in December. On Christmas, the Moscow program was dropped as the Cuban station turned to all-Spanish programming, and the continuing broadcasts and Cuban plans for even stronger transmissions have raised protests in this country. The Havana English broadcasts followed a Cuban walkout from an international radio conference in Rio de Janeiro. The conference had opposed Cuba's plan to build dozens of high-wattage radio transmitters that could broadcast long distances and with great power into the US. Officials at the FCC and the State Department are concerned about the Cuban broadcasts. The concern is not over the content but over what they called erratic Cuban broadcasting habits over the last two months that, the officials say, violate international agreements and may cause interference with some regional stations here. Listeners and radio stations have reported broadcasts from Cuba on no fewer than 11 different frequencies on the AM band. Havana broadcasts can also be heard on shortwave radio. In Florida, Cuban broadcasts on 1180 AM have reportedly been plaguing WVCG in Coral Gables, which is also on 1180, since the

beginning of the year. The State Department, however, said it does not know of any Cuban broadcasts to this country on 1180 AM, and Mr. Frechette of the FCC said stations here might be picking up domestic Cuban stations not aimed at the US. Cuba has been broadcasting in English to the US for the last two years, according to the FCC., primarily on two lower frequencies, 550 and 600. Those frequencies are crowded with local stations, and some in the Southeast and as far north as Indiana have complained that the Cubans were interfering with their local broadcasts. According to the FCC, broadcasts on those frequencies are continuing. The biggest potential threat from Cuba is probably not its unregulated use of 1160 AM and other frequencies, but its intention to raise its broadcast power. The Cubans are now broadcasting at about 5000 watts, according to Michael C. Rau, staff engineer at the National Association for Broadcasters in Washington. "If they boosted it to 500,000 watts, you'd hear it all across the US," Mr. Rau said. The maximum power allowed any station in the US is 50,000 watts. (NY Times, January 17, 1982 via Morris Pfeffer and Arthur S. Getzel, NY)

HOT NEWS MONTHLY: Issue No. 1 (Jan. 1982) of the Signal (USDXA) is a knockout, and many of its editors and writers are SPEEDX members. It presents loggings three ways: by country, by frequency and by time. It publishes a monthly sunrise/sunset chart, and possesses an authoritative Propagation department, which will include prediction charts. Among its various sections are: Etc., a features department which—in Jan. —tells how to build a MW loop, discusses Nigerian DXing, RFE's relay message service to Poland, etc.; Newsdesk, a brief, but excellent column; Perspective, offering editorial comment and rebuttal; Information Please, which presents guidance for novices, including advice about DX targets; Program Review; Actuacion Clandestina; HQ Update; QSL Corner; and even a full-page Table of Contents. Membership in this rapidly-growing amalgamation of AIDX, SDXA and ASDA is \$8.50 in USA and \$14.00 overseas. (Apply to Andy Newton, USDXA, Box 888653, Atlanta, Georgia, 30338) (Dave Maxfield, MI)

NIGERIAN RADIO IN DANGER: There is a bill in the Nigerian legislature called the "FRON Amendment Bill," which proposes to limit R. Nigeria Kaduna and several other FRON xmtrs to MW only. A 15-man delegation from the RNK Listener's Club in Niger is in the country to lobby against the bill. Opponents say the bill is aimed at "abolishing the zonal and linguistic structure of the Corp." and that RNK has been educating 90% of the Nigerian residents outside the country, as well as Hausa-speaking people of neighboring W. African countries. (R. Nigeria Kaduna, Jan 22, 1982 via John M. Wilkins)

73's, Arthur S. Getzel

CONTRIBUTORS -- MARCH, 1982

Back again! Numbers preceding each name indicate the number of columns to which the member reported this month. PLEASE NOTE: SECTIONS OTHER THAN SWBC/QSL/UTE/SKEDS ARE CREDITED DIRECTLY BY THE MEMBERSHIP CHAIRMAN! Those figures do not appear here. An asterisk (*) before a number means that the member is being credited with a point for a previous contribution. There were 197 contributors this month! That is a record, I believe, 17.9% of you contributed. ONE HUNDRED AND NINETY-SEVEN -- SEVENTEEN POINT NINE PERCENT! It deserves to be written out!

ONE HUNDRED AND NINETY-SEVEN/SEVENTEEN POINT NINE PERCENT/ONE HUNDRED AND NINETY-SEVEN!!!!

1	ALEXANDER, Brian	PA	FRG-7700	5	GRIJALVA, Gabriel	AZ	DX-302
1	ALEXANDER, Rodney	IA	SPR-4	2	GROSVENOR, Norman	CA	FRG-7
5	ALEXANDER, Sam	NC	DX-302	1	HALL, Stuart	CA	DX-300
2	ANNIS, William	IN	SPR-4	1	HANSEN, Chris	NY	R-390-A
3	AUDETTE, David	MA	DX-300	7	HARDESTER, Mike	CA	R-1000
6	AVERILL, Elizabeth	MA	DX-200	1	HARRINGTON, Frank	MA	FRG-7
4	BERMAN, William	OH	RF-2800	1	HARTUNG, Jim	MD	DR-7
5	BELLARD, Warren	OH	R-7	4	HARVEY, Sheldon	PQ	ICF-6800-W
2	BERG, Jerry	MA	HQ-180	1	HERKIMER, John C.	NY	R4B
4	BERRI, Jason E.	CA	RF-2900	4	HESCH, Ruth	NY	R-1000
4	BLACK, Tom	CA	?	1	HILL, Norman	VA	RF-085
3	BLAKE, Jerry	IN	FRG-7700	2	HOLBROOK, Hank	ND	HQ-129
4	BLOM, Gordon	NY	DX-160	4	HOTALING, Stan	NV	RF-2800
1	BOEHM, Jim	TX	FRG-7	1	HOUDE, Dave	VA	DX-302
1	BROWN, Clif	IL	R-7	2	HOWARD, Ron	CA	SB-310
2	BROWN, Terry	NE	FRG-7	1	HOWARTH, Chet	WA	SPR-4
4	BURKE, Lynn	VA	SPR-4	2	HUFFAKER, Carl	MEXICO	HOMEBREW
6	BYRON, Leslie	NY	PAT. 9	1	JAMES, ?	MI	?
3	CADY, George W.	IL	FRG-7	5	JAMIESON, Jamie	CA	R-1000
2	CARLSON, Roy	CA	DX-300	1	JOHNSON, Don	CA	?
3	CARLSON, Virgil	WA	SX-190	5	JOHNSON, Howard	TX	?
1	CARSON, Robert	WV	DX-302	2	JOHNSON, Mark	ID	DX-302
1	CHARAK, Mike	AZ	HQ-180	3	JONES, David	VA	S-151-1A
1	CHINSKY, Mark	NY	RF-2600	1	JONES, Jack	MS	SPR-4
3	CHITUCK, Bruce	ITALY	DX-302	1	KAPINOS, John	MA	FRG-7 et al.
1	CHRISTOPHER, Al	NJ	NRD-515	1	KAZAROS, Neil	CA	R-390-A
2	CLAYTOR, Dave	MI	R-1000	5	KERRIGAN, Patrick	IL	R-1000
4	COHEN, Larry	PA	SX-190	1	KIDD, Steven	CA	ICF-6700-W
4	COLEMAN, Bob	MA	FRG-7	2	KIVELL, Bob	NM	DX-300
4	CONNELL, Charles	CA	CRF-320	1	KLINGENFUSS, Joerg	FRG	R7/NRD-515
1	CONWAY, Peter	UK	51J4	4	KOBYLSKI, Tony	MD	?
3	COX, Frank	LA	HQ-100	2	KRAMER, Andrew	VA	RF-2900
3	CREAMER, John	CO	R-1000	5	KRIST, Kraig	VA	FRG-7700
4	CUNNINGHAM, Larry	OH	FRG-7000	3	KROLAK, Eugene	MI	FRG-7700
3	CUPPY, Brad	IN	ICF-2001	1	LAMBERT, J.J., Jr.	IL	FRG-7
4	DALRYMPLE, Murray	AUSTRALIA	?	1	LATKO, Jay	OH	DX-302
3	D'ANGELO, Richard	PA	NC-190	1	LAY, Russ	VA	R-1000
1	DAVIDSON, Kevin	SC	DX-300	1	LAZARUS, Henry	LA	SX-190
1	DAVIS, Bob	KS	R-1000	1	LEEMAN, Joe	RI	FRG-7
7	DEMMITT, John	PA	HOMEBREW	4	LEITE, Steve	MA	HQ-180-A
4	DE RING, Warren	NJ	RF-2200	1	LEVIN, Jay	NJ	RF-2800
4	DREW, James	TX	?	1	LEWALLYN, Robert	GA	RF-2800
4	DUGUAY, Rick	MA	?	3	LINDLEY, Terry	AL	DX-300
2	DUNHAM, W.	LA	?	4	LOBDELL, Chris	MA	FRG-7000
4	EARHART, Ken	PA	NRD-505	4	LORD, Earle	CA	RF-2600-F
1	EPPS, Charles	MO	?	3	LUCAS, Richard	CA	R-1000
1	EVANS, James	TN	RF-2200	2	McCANTS, Donald	LA	ICF-2001
4	FAMULARO, Ralph	CA et al.	RF-2800	3	MAKI, Edwin J.	OH	ICF-2001
4	FARMER, Bill	TN	R-1000	4	MANNIN, Sandra	TX	FRG-7700
1	FISCHER, John Jr.	PA	DX-300	5	MARSHALL, Ronald	AZ	FRG-7000
1	FITZGERALD, John	RI	R-3000	1	MHUNZI, Pete	CA	FRG-7700
2	FLANAGAN, Jack	MA	HQ-100	1	MICHAEL, ?	PA	?
4	FORBES, Lew	TX	FRG-7	5	MILLER, Bill	CA	DX-300
3	FORRESTER, Philip	SC	?	3	MITCHELL, Richard	NH	FRG-7
4	FORTMANN, Joe	IL	DX-300	1	MOSS, Randy	CA	R-1000
4	FRASER, Robert	MA	XCR-30	4	MOUNTAIN, G.R.	BC	?
1	FRENCH, Bob	MD	NRD-505	2	MUNSTER, Ralf	GA	R7/DR7
2	FYE, Delbert	FL	BC-770A	3	MURFF, Nathan	NM	FRG-7
5	CAVARAS, Tom	MN	HQ-180	1	NEWTON, Andy	GA	BC-348-Q
2	GEORGE, Charles	TX	SSR-1	1	NIDA, Jon	MN	RF-2800
1	GONZALEZ, Fernando	NY	FRG-7	3	NIKOLICH, Mike	IL	HQ-180
2	GREENWALD, Jeff	WY	DX-100	3	NORCROSS, David	CA	?
2	GRENIER, Pete	CA	FRG-7	1	O'CONNOR, Patrick	NH	DX-302

1	O'RIORDAN, Hugh	ID	SPR-4	4	SMITH, Traver	CA	NRD-505
1	OSTERMAN, Fred	KY	R4B	5	SPEER, Richard	CA	?
6	PARKS, William	FL	HRO-60	1	STEIN, Rick	NJ	FRG-7000
2	PETERSON, Roger	CT	FRG-7700	4	STEPHENSON, Norm	CA	SPR-4
7	PFEFFER, Morris	NY	RF-2200	1	STOCK, Len	CO	FRG-7000
1	PHILLIP, Joyce	BC	?	3	STONE, Wildred	ON	FRG-7000
3	PICKARD, Wilder	IL	R7	1	STREETER, Robert	NY	NORDMENDE
1	PIMBLETT, Nigel	AB	RF-2600	2	TAIT, Donald	AUSTRALIA	ICF-2001
3	POTORTI, Bill	NV	?	4	TANIGAWA, Michael	HI	RF-2900
2*	PROOM, Stephen	UK	SAT. 2100	6	TATE, Harold	WV	SEARS 412
1	RANKIN, Robert	KS	DR7	1	TAYLOR, Lyle	AZ	FRG-7700
5	RAY, Richard	PA	FRG-7700	6	THOMPSON, Glenn	NM	FRG-7
4	RAYMOND, Bob	MA	FRG-7	5	THOMPSON, Peggy	CA	FRG-7
3	RAYMOND, Greg	MA	FRG-7700	3	UERLINGS, James	OR	?
2	REAMES, Seth A.	JAPAN	?	3	ULMER, Doug	LA	?
1	REINSTEIN, ?	FL	?	6	VALENTINE, Fred	CA	RF-4800
1	REKICH, Dean	PA	?	6	VAN BEURDEN, Ted	CA	FRG-7
1	ROBERTS, Allen W.	NC	DX-300	1	VOCKERTH, John	NJ	SX-190
4	ROBINSON, Michael	AUSTRALIA	R-1000	2	VOGELMAN, J.	NY	FRG-7
1	ROCHA, Craig	CA	FRG-7	1	VRANES, Alex	PA	FRG-7
4	ROSS, Robert	ON	FR101S	1	WALCUTT, Dave	NY	R4B
1	RUNNELL, Robert	TX	RF-2600	4	WAMPLER, Michele	VA	ICF-5900-W
1	RUSSELL, Gary	IL	SSR-1	2	WARD, Henry	PQ	FRG-7000
1	RUSSOW, Hans	FRG	EC-958	5	WILKINS, John	CO	R-1000
4	SABLE, Thomas	CA	FR-6600-J	1	WILKNER, Robert	FL	FRG-7700
4	SAMS, Mitch	AR	FRG-7	3	WILLIAMS, John	MN	R4B DIGITAL
1	SANDERSON, John	AZ	R-1000	1	WILLIAMSON, Thomas	ON	?
5	SARKISIAN, Brian	MI	RF-2600	1	WILSON, David	OH	RF-2600
4	SCHLESINGER, Mark	TX	FRG-7	1	WIMMERS, Bernie	FL	R-1000
4	SCHROEDER, Art	WI	DX-160	1	WINIARZ, Mike	PQ	RF-2800
5	SHAMBLIN, Bill, Jr.	CA	RF-2200	1	WIRRELL, Robert	MA	FRG-7
2	SHEPHERD, Greg	IL	DX-300	6	WITTE, Marjorie	CA	FRG-7
1	SHERWOOD, Linda	MA	DX-160	1	YAJKO, Robert	PA	SPR-4
5	SHEVCHENKO, Ted	BC	R-1000	2	ZAVATSKY, Mark	CT	?
1	SINGEL, Rick	IN	RF-2200	4	ZILMER, Bob	NM	ICF-5900-W
6	SMITH, Tom	FL	XCR-30				

Thanks to all of you for making this a banner month. Next month 200! 200+ Chris & Arkie

=====

No Collect Calls! SELL \$\$ SEEK \$\$ SWAP No Collect Calls!

FOR SALE: Drake SPR4 with matching MS-4 speaker. Filters by Radio West. Excellent condition. \$350. John Obenchain, 17442 Plaza Dolores, Rancho Bernardo, CA 92128. (714) 487-5600 NO Collect Calls!

FOR SALE: Drake R-4B excellent condition. Recently brought to original specs at factory. Includes 12 extra crystals, MS-4 speaker and manual. \$400. UPS insured. Robert Streeter, 4 Columbia St., Apt. 4, Schenectady, NY 12308. (518) 382-1789. NO Collect Calls!

FOR SALE: Complete set SWBC crystals for Drake R4/A/B/C - all 7 for \$28. Bob Davis, 1857 S. 4th, Salina, KS 67401. (913) 827-6045. NO Collect Calls

FOR SALE: Yaesu FRG-7 modified Gilfer 3kHz, also Radio West 2.9 kHz mech. filter and fast/slow AGC. Matching Yaesu external speaker and Gilfer GAR-7 Readout. Ameco PT-2 preamp and Autek QF-1 active audio filter. All in excellent condition with manuals & cartons. Real good DX rig. \$500. (Am selling to buy NRD-515.) Steve Leite, 895 Bedford St., Fall River, MA 02723. (617) 675-2830 from 2200-0100 GMT. NO Collect Calls!

FOR SALE: Collins R-A/URR with manual, rack mount. \$350. Pick-up only, beyond 50 mi. radius. Call (618) 778-5573 after 6 p.m. CST week days, or anytime week ends. NO Collect Calls!

FOR SALE: DX-302 used only one week. \$300 or best offer. Will ship UPS Cont. USA. Greg Shepherd, 321 Riley Dr. #8, Bloomington, IL 61701. (309) 662-5747 from 0000-0500 GMT. NO Collect Calls!

WANTED: CW-RTTY reader - Kantronics, Info-tech, or others. Will accept any reasonable offer, or trade. FOR SALE: Marconi VHF Mobile Transceiver, 12 VDC, 154-174 MHz, 30 watts, Series 50 - in use today but will sell for US\$150. Ted Shevchenko, 330 W. 15th Ave., Vancouver, B.C., Canada V5Y1Y2. (604) 873-1081. NO Collect Calls!

WANTED: Technician in So. Calif. area to check/repair/align Hammarlund HQ-129X & HQ-150. Prefer to deliver vice ship. Mike Hardester, P.O. Box 1565, San Marcos, CA 92069-0540.

THE OFFICIAL DX MAGAZINE PUBLISHED MONTHLY BY SPEEDX

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INDEX

KEYNOTES.....	KEN EATON	2
HAP REPORT.....	JIM CONRAD	4
PROGRAM PANORAMA.....	WOODY SEYMOUR	4
TECHNICAL TOPICS.....	SANDY BLAIZE	7
SWBC WESTERN HEMISPHERE.....	CHRIS HANSEN	9
EUROPE.....	TERRY LINDLEY	17
AFRICA.....	MIKE NIKOLICH	22
ASIA / OCEANIA.....	TOM SCOTT	26
STATION SKEDS.....	CHRIS LOBDELL	33
UTILITY SCENE.....	MIKE CHABAK	36
QSL REPORTS.....	JOHN KAPINOS	45
TIPS & TOPICS.....	ART GETZEL	52
CONTRIBUTORS PAGE.....	CHRIS HANSEN	58

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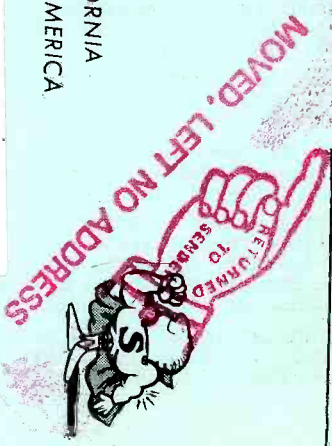
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