

SPEEDX

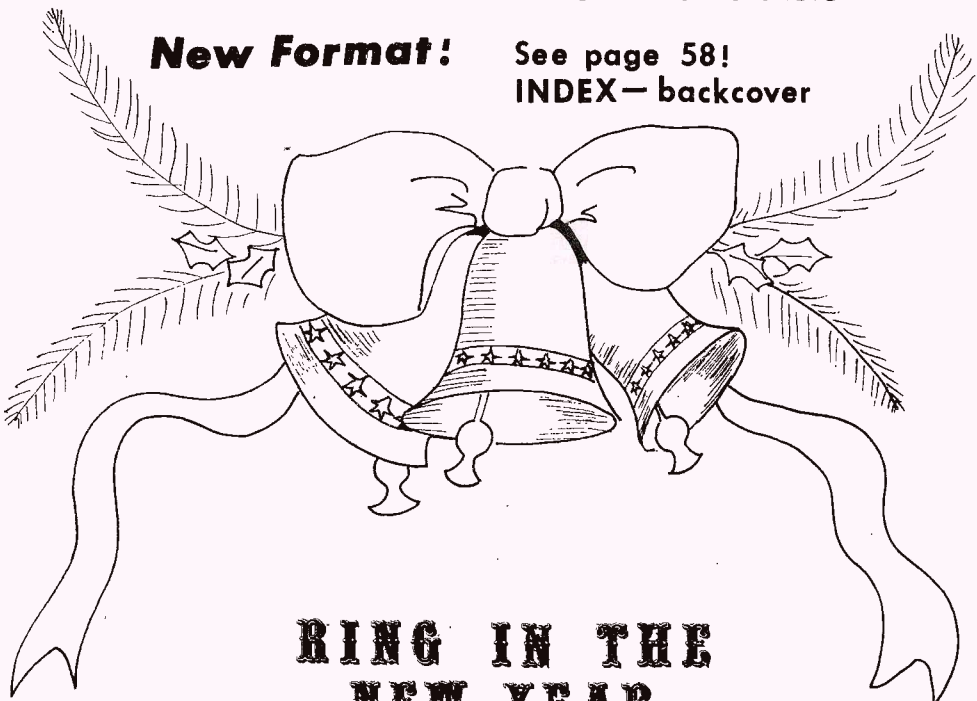
SPEEDX

the dx radio magazine
for active shortwave listeners

New Format!

See page 58!

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**RING IN THE
NEW YEAR
WITH
SPEEDX**

January 1984

Vol 14 No 1

SPEEDX SPOTLIGHTS

THESE SPECIAL DX'ers and SWL's

David Sharp, Editor

AN IMPORTANT ANNOUNCEMENT

DUES INCREASE! With this issue, we are forced to increase the annual dues from \$16 to \$18. We have absorbed the added costs of printing and mailing for three years now. At \$16 per year, we are falling behind. The costs are more than that. Each year the cost of printing is greater. Postage goes up too. This \$18 fee should keep us in good shape for the next few years. We hope you can relate to where our club is at. The annual fee is still less than a tank of gas! For the pleasure one gets from a hobby like this, it is still a big bargain! I'd rather have a hobby bulletin! The bulletin is for a year. A tank of gas might last a week! We hope you will agree with the need to increase dues. It is to keep the club going and growing.....Best of listening.

Don Johnson - HQS

Well, folks, the USPS has struck again, as I have not received the Full Member list from John T. However, I hope to print those names next month. Thanks for your understanding, SPEEDXers.....

=====
This month, there are 42 new and rejoining members!

ROY BERKELEY.....VT
WILLIAM PEACE....MA
GEORGE SLOVINSKI..CA
DAVID HUBBARD....OH
BUD PEED.....MD
ALLEN FISHER.....NM
JAMES TIGHE.....AZ
GARY GONZALES...CA
DAVID COMBE.....LA
GIL JAMES.....LA
ROBERT HOLLAND...FL
JIM BITZ.....WA
ROBERT WATTS.....MA
ROGER ROOSA.....TX

KEVIN KIRKPATRICK...MO
TERRENCE DENNIS....TX
KENNETH HAMILTON...CA
ATSUSHI MARUMO...JAPAN
BOBBY MIHOVILOVICH..CA
MARJORIE GIBSON....CA
KEVIN MORRISON.....MA
RODNEY GRUSSLING...KS
BILL SCHNIDER.....NJ
MICHAEL PEARLMAN...CA
RONALD MARSHALL....AZ
JOSEPH HOLLIDAY....FL
PATRICK O'CONNOR...NH
MICHAEL CAMILLO....NY

DONALD SHOROCK.....KS
KENNY VAN ROSSUM...AL
DONALD THORPE.....MI
JOHN CAUDILL.....KY
JOHN VOGELMAN.....NY
KATE HITSMAN.....IA
DAVID ROBERTSON...WA
DICK SANTY.....IL
BILL KEMP.....TX
LARRY HASTIE.....TX
STEVEN BOZEE.....IL
SAM STOKES.....CA
RICHARD STECK.....IL
NOLEN HARTER.....CA

There ya go, the fantastic forty-two! You folks have taken the first step to Full Membership...the rest is up to you! It's just a short haul if you get cracking and send in your contributions, loggings, etc. to the proper SPEEDX editor whose address is at the top of each column. However, if the cost of postage thins your wallet, then you can send your contributions to our Central Distribution Ed., "Perky" Peggy Thompson, at 2706 Alabama Street, La Crescenta, CA 91214, by the sixth of each month. She'll move them on for you. Let's see how fast you can move your name to the top of the page...after all on a clear day, you can see forever!

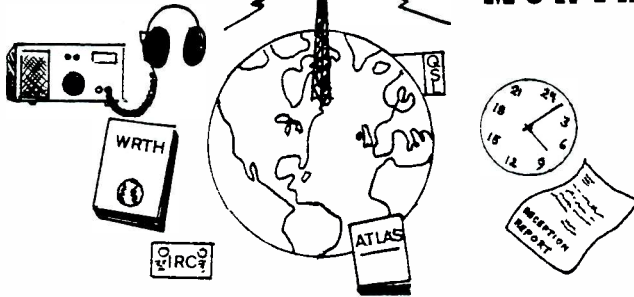
A THOUGHT TO FORGET: THERE IS A GIVING
HAND ON THE END OF EACH ARM.....

BCNU in DX Montage

73's David

SUPPLIES FROM HQS:

-Handy report forms for SWBC/QSL/UTES are available to members. These forms are easy to use. Just fill in the blanks and report that good catch to SPEEDX. Cost in North America is 7¢ each. Airmail to the rest of the world is 1.00 or 4 IRC's per ten (10) forms. Be sure to state how many of which form you desire for monies sent.

DX**MONTAGE**

DAVID SHARP
17602 MEADOWBRIDGE
LUTZ, FL 33549

DEADLINE: 12th of
the month

contests*club info*tips
anecdotes*humor and fun

Hello folks, and welcome to another year of DXM. Hope your holidays were pleasant, and hope Santa brought you that new receiver or gadget! Lots 'n lots of material this month, so let's get to it!

Wanna get a 1984 WRTH? Who doesn't? The 1984 WRTH is offered at a discount from Century Print Shop, 6059 Essex St., Riverside, CA 92504-1599, or phone 714-687-5910. Publishing date is Feb. 1984, and cost is 15.00 via USPS book rate or UPS. 16.00 via 1st class mail. With your order, please enclose a # 10 SASE for confirmation. The retail cost of the WRTH will be around 18.00, so get your order in now! Tell Don Erickson you saw it in SPEEDX. For Canadian members, you can order through: CIDX, 6815 12th Ave., Edmonton, Alberta, Canada T6K 3J6. Cost there is 21.00 Canadian by 4th class or 23.50 via special delivery. Don't fail to get the WRTH! It is a must.....

While we're on the subject of books, this is a good time to mention the Radio Beacon Handbook. Published by Wilhelm Herbst Verlag, this publication lists more than 9,000 radio beacons between 150 and 1,800 kHz. The price is DM 30.- or 15.00 U.S. It may be ordered from Sol C. Quintos, 2055 E. Hampton 202, Mesa, AZ 85204. If you're in Europe, then write to: Postfach 45 05 06, D-5000 Köln 41, F.R.G.

Reason to tune-up VOA after years of neglect: The VOA, long hampered by outdated and ancient equipment, lack of cash and staff, will get a six-year, billion-dollar grant. Both staff and equipment will be expanded to give the VOA more clout....and six new 500 kW transmitters will make it harder for the Russians to jam their broadcasts....Txn to Bob Desrosiers-MA for forwarding this from the Kiplinger-Washington Letter. (ds)

SCADS (So. CA Area DXers) will hold another meet in February in Long Beach, CA. All hobbyists are welcome...come and meet your local radio fans. For more info, send a SASE to: Don Schmidt, 3809 Rose Ave., Long Beach, CA 90807-4334. (Via Don Johnson-CA)

Pin the Tail On Ye Editor: It looks as though Peter Card-RI is on a roll, because he is again the winner of our monthly contest. The logo from last month was that of Deutsche Welle. Now, this month's question: The circumference of the Earth at the equator is 24,830 mi. How long will it take a radio signal to travel that distance? First correct entry will get a couple of postcards.....ds.

Some satire by John Demmitt-PA: Radio Tirana announced today it is airing a special program for those having trouble sleeping. The DXM Monitoring Post checked out the broadcast and determined in a preliminary report that the broadcasts appear to be the same as the usual boring monotone programs which have always been on Radio Tirana. A final report will be issued as soon as the DXM Monitoring Post wakes up. Zzzzzz(ds.)

From Lori Klosowski-FL comes word that the BBC has a bookstore which sells tapes, books, and other goodies. For a catalog, write to: BBC World Service, Bush House, London.....

From Bob Harrington-CO comes word that Radio Dublin in Ireland will probably obtain licenses for MW and FM broadcasts. However, the Irish government still has not passed legislation for shortwave broadcasts. If you would like to voice your opinion, pro or con, then write to: The Minister for Post and Telegraphs, Leinster House, Dublin 2, Ireland.

See yall on page two! ds.

EDXC to hold annual conference: This year, the EDXC conference will be held in Stockholm, Sweden, as part of a joint effort between RSI and EDXC. Many interesting activities, including a tour of the Telecommunications Museum, are slated for the four day event (June 8-11). Cost varies, according to accommodations, but if you'd like to get all of the official info (inc. registration form), drop me a line, and I'll get it in the mail to you...ds. (Via Don McCants-AL)



Part Four....I Was a DXer For Warden Slate, a short story by John Demmitt-PA:9770 has to be one of the most interesting frequencies in the spectrum because of its wide use by so many countries. Radio Berlin Int'l had an awful signal, but I stayed with it like any good DXer would. Listening to the USSR while HHC was on should only happen to a deaf DXer...but I enjoyed Radio Netherlands, as their DX program told me what I was missing on the other frequencies.

Being tired of filling out reception reports for meager meals, I decided to modify my receiver so it would receive the rest of 31 meters. I experienced the thrill of my life as I completed the job...now I was no longer limited to 9770! When the man with my food came for my reports I lied to him, telling him there was too much QRM on the frequency for me to monitor at the present time. He believed me, gave me my rations, and I returned to my receiver...How long can our DXer keep this up? Will he pay for his actions? Find out in the concluding episode next month! ds.

A few months ago, DXM carried a story concerning the firing of a R. Moscow newscaster for his unprecedented remarks concerning the crisis in Afghanistan. This month, we provide a follow-up to that story, as contributed by Jim Renn-WA: In Paris, a prize honoring a Radio Moscow broadcaster who referred on the air to the Soviet "occupation" of Afghanistan was established today for a journalist who fights for the right to be informed.



The sponsors are the Committee for the Liberation of Vladamir Danchev and the International Federation for the Rights of Man.

The committee said Danchev was fired because of his remarks and interned in a psychiatric hospital in his hometown of Tashkent in Uzbekistan. In his much-publicized broadcast, he contradicted the official Soviet policy line by describing Soviet troops in Afghanistan as occupation forces. He also said the Soviet Union was not seeking control but domination. (From the Wenatchee (WA) World, December 2, 1983.....ds.)

Been wanting a new ICF-2002? Ted Fleischaker-KY, writes in to inform that he recently got to use a 2002. Ted was impressed with the 2002, but as an owner of a 2001, he seems to think the controls on the 2002 are poorly designed and harder to work. He also thinks the audio on the 2001 is slightly better...but as for other aspects, rates everything as equal. Ted also says he's seen the 2002 discounted in a 47th Street Photo's ad from a recent New York Times. Worth checking out.....

Receiver review...the new DX-400: Your editor, having seen the ads for the DX-400, was inspired to give the rig a field test. Sensitivity for SW is listed at 1 microvolt for 10 dB S/N ratio...and this seems to be fairly accurate, with reception comparing relatively well with my HQ. FM DXing was excellent, though overloading was a headache at times. No overloading was present on the BCB band, though I feel this was in part due to less than satisfactory sensitivity. The digital readout is accurate, and quite readable. No doubt a big plus in pinpointing stations. The scan function is also nice, as one can scan in one or three kHz increments. Only gripe I have is the 3 kHz scan seems a bit useless; five kHz increments would have been better. The signal strength meter doubles as a battery meter; a nice feature for the travelling DXer. Conclusion? The DX-400, while having its share of problems, is still a good receiver for listening to SW.....ds.

I'm just about out of room, but remember to send me your want ads...and if you're interested in publishing the magazine or being a business manager, please take a look at last month's DXM. Until next month, best of listening. Hope to see your contribution on the 12th!

CRACKER COUNTRY: A wise man once said, "He whose never hadeth insomnia has never beneth a DX'er.".....



CUN 31,
73's David
HAPPY 1984!

Tips and Topics

THE FEATURE SECTION OF SPEEDX

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

Technical Roundup

RECEIVERS, ANTENNAS, EQUIPMENT
AND COMPUTER TECHNOLOGY

A REVIEW OF THE SONY ICF-2002

by Clif Brown, IL

longer to make the purchase. From reviews that I read, it appeared that the 2001 had some drawbacks and it was rather large so I was happy to keep using the 5900. When I heard about the 2002 with all its features and small size, I knew the time had come for a new radio.

The size takes getting used to. You keep asking yourself, "How can a radio this small be any good?" It used to be that the smaller the radio, the smaller the performance but no more. I was concerned with sensitivity, selectivity and ability to handle strong signals. I had been very happy with the 5900 in these areas so I naturally compared the radios side by side.

Sensitivity:

I can tell no difference between the two radios on shortwave but the 2002 does have an edge on the MW band. On LW I can hear only local aircraft beacons and no background noise even with an external antenna connected. You have to keep in mind that this is a portable and is not intended as a DX machine. I think the LW band was included more for the European listener who can hear broadcasts than for U.S. listeners who have only the beacons to receive.

Selectivity:

Here, again, it is almost impossible to tell any difference between the 5900 and the 2002. If a strong station is only 5 kHz from a weak one there will be noticeable interference to the weak station. If the separation is increased to 10 kHz then good reception is almost always possible. Again, the fact that this is a portable should be remembered. Without things like passband tuning, notches and IF filter switching you have to accept occasional interference on weaker stations.

Strong Signal Handling (Overload):

The 5900 and the 2002 overload in completely different ways. On the 5900 you will hear two signals coming in on the same frequency. One will be the desired signal and the other will be a spurious signal. By simply hitting the RF attenuator switch the problem disappears. On the 2002 overload appears as a "chirping" sound rather than as spurious stations appearing on frequency. Once again, use of the RF attenuator (sensitivity switch) will get rid of the problem. The 2002 has never overloaded for me when only the built in whip antenna is used and therefore has an edge over the 5900. When an external longwire is connected the 2002 is definitely superior in resistance to overload, especially on the frequencies below 10 MHz. I connected the 2002 to my 125 foot dipole and tuned through the 9 MHz broadcast band without hearing any sign of overload; quite an achievement for a portable radio since this was done at night when the band was hot with signals. During the day while listening on 21 and 17 MHz I did get some of the chirping mentioned above when using a 60 foot piece of wire over the roof of the house. I simply inserted resistance into the lead in wire until the problem disappeared. I found a value of 100 ohms did the trick without noticeably reducing signal strength. As has been mentioned in other articles, it is a good idea to get an external antenna up if you are using a portable in the house. Even a wire across the room will outdo the built in whip.

All of the foregoing proved to me that the 2002 is a good radio but the digital tuning is really what makes it a dream to use. I have never played with a 2001 so many of the features on the 2002 may have made their debut on that model; but the ability to simply punch in a frequency and hear the station is new to me and greatly appreciated. The

keys used for entry of a frequency can also be used for the ten memories. I have programmed several stations that broadcast the news during the day, so no matter what time it is I can press one button and hear the latest news. Another nice use of the memories is to enter all the parallel frequencies in use by one station at one time. You can then jump between them to find the best frequency to listen to. You are free to use any of the memories on any frequency that the 2002 covers. In the scan mode the 2002 will run through the various frequencies at the rate of about 100 kHz per second. If a station is found, the scan will pause for a couple of seconds to allow you to hear the station then it will continue the scan. The scan range is divided up into 13 bands which mean, for example, that you can have the 2002 scan only the SWBC band you are interested in. If you were trying to find a station in the 25 meter band, the 2002 would scan from 11650 kHz to 12050 kHz then jump back to 11650 and start again. You can also jump from band to band instantly using the "band select" button and the up or down buttons at the same time, so if the 25 meter band has gone out for the evening, you can quickly jump to the 31 meter band to continue listening. The tuning works on a 5 kHz interval on SW and a 3 kHz interval on LW. This is true regardless of the way you are tuning; manual, scan or direct entry. If you enter 9522 kHz and press the execute button, the radio will tune to 9520; it simply drops the last digit and goes to the next lowest 5 kHz point. To tune between 5 kHz points, you use the fine tuning thumbwheel on the side of the 2002. One final nice thing about the digital tuning is the ease with which you can tune WWV. You don't need to enter all those zeros after the MHz. Just enter 5 and push the execute button and up will come WWV on 5000 kHz. The same is true of any other MHz point that the radio can tune.

The SSB mode of the 2002 is much more stable than any other portable I have checked except the new Radio Shack/Uniden digital model. You can listen to hams without havint to constantly retune and you can even turn off the 2002 and it will come up properly tuned on SSB when you turn it on again, but it is not "rock solid" like the new table model radios.

The tuning indicator is worthless as far as I can tell. It is a single LED and has two states; off and on. In other words it can't be used for fine tuning and the response is so slow that it will remain on for almost 2 seconds after tuning away from a strong station. This probably reflects the slow AGC response time. Since the 2002 tunes directly to 5 kHz points which is where SWBC stations are found and since both the radio and the SWBC transmitters are very stable, the fine tuning is all but unnecessary along with the tuning indicator. You either hear the station whose frequency you have entered or you don't. Once again, this is not a DX machine for those Central American stations on odd frequencies that drift from night to night.

Audio quality is outstanding. It has great clarity and puch. It is not high fidelity with extended low and high frequency response so FM reception leaves a bit to be desired but most would not buy this radio for FM anyway. The 5900 is better in that regard. Speech jumps right out at you on the 2002 so SW and MW listening are a pleasure. There is a "news/music" switch which controls audio frequency response. I had originally heard that the 2002 had a selectivity switch, but the specs on the radio show one bandwidth. When using the built in speaker, its small size attenuates the bass response. Since in the "news" position both high and low frequencies are reduced, the result is a muffled sound. When using headphones that have a better bass response than the built-in speaker, the audio sounds bassy in the "music" position and switching to "new" gives a more pleasing sound. Soun confusing? For normal use just leave it in the music position.

Finally two oversights. There is no light for the display so if you are out camping on vacation, you will need a flashlight unless you have already entered what you want to hear in memory and can tell the buttons by feel. There is a raised dot on the "5" key for this purpose. The second oversight is the lack of a support for the radio. Since it is so small and thin, it is easy to tip over with the whip extended and when standing upright. When lying flat on its back it is difficult to read the display. The ideal position is propped up so that it leans back at a slight angle and the display catches the room light. It would have been easy to build in a small metal rod for this purpose but they didn't so my solution is a plastic calculator support you can get at Radio Shack for a few dollars.

All in all a very nice radio and one other thing I almost forgot, it is not real sensitive to lower than normal battery voltage so you can use NICAD rechargeables. There is a built in 12/24 hour clock with a 65 minute delayed turn off and automatic turn on at any time you set. It and the memories run off two separate batteries and it is best to use long life cells (not NICADS) for these.

.....

WANTED: Any DXer with a computer and a modem. If you are interested in setting up a BBS for DXing and SW listening, please contact me. Let me know the type of computer you have, type of modem as well as terminal software. Please include a SASE for replies.

COMPUTERS AND YOU

by Ruth Hesch, NY

The second installment about computers in CONSUMER REPORTS was continued in the October 1983 issue. It discussed additional hardware and software for word-processing. This requires a printer which is a major expense. The prices of the 13 printers reported upon ranged from \$399 to \$1050 and others cost more. A monitor is preferred to using the ordinary TV set and the monitors discussed listed from \$99 to \$250. Software, which is the word processing application program, range from simple ones costing \$40 to \$100 to a complex one used by professionals at \$595.

The first article is "How to Choose A Printer" which is used for word-processing and other applications. It is required while writing a program and helpful in referring to things recorded on disc or tape.

The qualities for which to look in a printer are sharp and fast printing. There are two types of printers, impact and dot-matrix. The former uses an inked ribbon on paper as does a typewriter. The latter makes a character driving a set of closely spaced wires or pins against an inked ribbon.

Some printers use standard sized typewriter paper, one sheet at a time. This is good for letters as it permits using letterhead stationery. Others use a continuous sheet of paper. That is good for printing programs or lengthy lists. Also, it uses fanfold or sprocket paper with perforations along the edges.

A number of printers can use different width paper, up to 15 inches.

There are two different ways of feeding paper, tractor, which has sprockets pulling the paper through, and, pin-fed which has pins aligning the paper with the roller.

The printer has to be compatible, electronically and mechanically with a computer or it cannot be connected to the system or respond properly to the computer's commands. The interface of both have to match.

Most dot-matrix printers can compress, expand or print each character twice to darken the print.

Printers have the same upper and lower case characters as a typewriter. Daisy-wheel ones have wheels of different style and character set.

As to graphics, dot-addressable printers can make sophisticated pictures, but block-addressable graphics are not as versatile.

Ribbons are the cartridge type but changing it may be messy. Best are cartridges that can be replaced without touching the ribbon.

It was noted that for nonbusiness uses a good dot-matrix printer should suffice. Recommendations are made at the end of the article.

Another article is "How to Choose A Monitor", and compares using a TV set and monitors. Comparisons of various monitors are made, under and overscan are discussed, as are display quality, brightness, contrast, screen color, horizontal linearity, freedom from barrel distortion, antiglare screen, controls and a jack. Recommendations are made.

The third article discusses "The Computer As Super-Typewriter". The word processor puts the words typed on a video display. The words can be corrected, deleted, rewritten, moved, and when the writer is satisfied, the printer puts the words on paper. Word-processing is the most expensive hardware, those on disks costing \$100 to \$500 or more and a few which are on cartridges, cassette tapes or disks from \$40 to \$100. Eleven of the most popular programs were reported upon and recommendations made.

Another article concerns "Word-Processing Programs" with detailed evaluations of 11 programs including Color Scripset, Telewriter 64, Vic Typewriter, The Word Handler II, Band Street Writer, Atari Writer, Apple Writer II, Easy Writer 1.1, Super Scripset, Word Pro Plus and Word Star.

If not available in your public library, back issues of the 11 preceding issues are available at \$2.50 each from the Back Issue Dept., Consumers Union, P.O. Box 1949, Marion, Ohio 43305.

TWO HEATHKIT 12/24-HOUR CLOCKS

by Dave Maxfield, III

The Xmas 1983 catalog of the Heath Company (Benton Harbor, MI 49022) offers an amazing build-it-yourself clock for the radio experimenter or SWL/DXer who has plenty of money. In fact, radio and

TV stations, laboratory researchers, astronomers, sea and air navigators, hi tech and computer people, etc. also will love it.

Called "The Most Accurate Clock," and denoted "Kit GC-1000," it is housed in a block box 3 7/8" high, 9" wide and 6 1/4" deep. Its face carries red LEDs that show hours, minutes.

seconds, and tenths-of-seconds. Switchable to either 12- or 24-hour mode, and for any time zone, it is guaranteed accurate to within plus or minus 10 milliseconds. It works on 120/240 VAC and—for portability and back-up—on 12 VDC. It not only sets itself automatically when first turned on, or after power failures, but adjusts automatically for leap seconds and leap years. An extra-cost add-on accessory kit (RS-232C) provides readout for month, day and year.

Heath proudly states: "Almost any other time reference which differs from the GC-1000 readout will be wrong!" How can such a thing be? Very simple! This timepiece is a single conversion AM heterodyne receiver with tuned RF amplifier, and one microvolt sensitivity. Moreover, it has the ability to sample continuously the complex 5, 10 and 15 MHz data signals of WWV's (or, if one wishes, WWVH's) cesium-stomic chronometer and to lock on to the channel that is most QRN/M-free. Tiny amber, green and red scanner LEDs indicate reception and processing of these channels. If ever all of them are unusable, a microprocessor-controlled inboard oscillator maintains the readout until clear reception of WWV resumes. If any channel is especially bad, it may be manually switched off. Equipped with a 54" telescopic antenna, the GC-1000 also has input for an outside antenna—preferably one especially adapted to WWV frequencies.

In addition to providing zero cumulative error, this clock also talks. A volume control permits muting or amplification of the voice portion of WWV's output. Purchasers who are really fussy will relish certain other capabilities: ASCII time for computer applications, USCI time which compensates for earth wobble, correction factors for propagation delay, a "daylight savings function," and a port for output of a frequency referenced signal of 3.6 Mhz.

What does such a super clock cost—\$2,000? No, \$249.95 in its kit form (plus \$49.95 for the RS-232C add-on). Those who are very rich—especially those who are no good with soldering iron—will, of course, want to order assembled and tested units (i.e. the GCW-1000, which includes the add-on) for \$389.95 each.

After exclaiming "Gee whiz," most of us may well ask if Heath also offers the hobbyist "common man" a simple unit that he can readily afford and understand. Happily, this firm does so. Their kit GC-1107 (\$29.95) provides a smaller box with green LEDs showing only hours and minutes. Heath claims that an eight-year-old (with the step-by-step manual) can readily assemble it with a minimum of tools. This clock can be permanently wired for 24-hour or 12-hour time, for 120 or 240 VAC, and provides flashing indication of power failure. It also may be set and used as an alarm clock. No pre-assembled version is available, however.

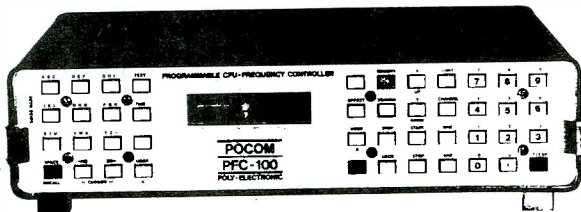
Left continuously undisturbed for many months, the GC-1107's accuracy—according to the present writer's experience—will vary little more than plus or minus 15 or 20 seconds. It is, however, somewhat tiresome to set into exact synchronization with WWV, even if one unplugs it, and waits for the precise moment of 00:00. Moreover, it must be frequently reset, if such synchronization is to be approximately maintained. To reduce this inconvenience, the writer has installed an on/off toggle switch in the AC line. When operated rapidly enough to defeat the power-off fail-safe feature, this device greatly facilitates exact setting to WWV.

In closing, the GC-1107 makes an excellent clock for most hobby purposes. On the other hand, for most of us, the GC-1000 will remain as an ideal for our "dream shacks."

POCOM PFC-100

by Fred Osterman, OH

Universal Amateur Radio, Inc. is pleased to offer an exciting new product for shortwave listening. The POCOM PFC-100 is a sophisticated control unit that interfaces with the popular Japan Radio NRD-515 or the Icom R-70 receiver. Some of its advanced features include nonvolatile storage of 100 frequencies and settings; each of the 100 frequencies is stored along with mode, aGC setting, ATT setting, bandwidth, and name of station; a typical display would be SHANNON - VOLMET USB 01 13.264.0; realtime clock/calendar (with backup); LCD alpha-numeric display; versatile timer function; 6 switched outputs for control of peripheral equipment; self-diagnostic test; one year warranty; made in Switzerland; low power consumption (CMOS); seven operational modes:



1. Direct Mode - direct keypad entry
2. Search Mode - user defined search parameters and rate of search
3. Memory Mode - direct access to memories, or scan all or select memories. Programmable "rest time".

4. Wobbler Mode - automatic scan around a defined frequency.
5. Offset Mode - for use with VHF/UHF converters.
6. Input Mode - loads all the operational settings of the receiver into the PFC-100
7. Standby Mode - returns control to the receiver.

If you want a preliminary draft copy of the specification sheet, write to Fred Osterman, Universal Amateur Radio Inc., 1280 Aida Drive, Reynoldsburg, OH 43068. A full manual in English will be available soon (presently available in German only). Their initial order on PFC-100s is expected shortly. Prices to be announced.

From The Papers

PROBLEMS AT VOA: A very interesting article has recently appeared in the Federal Times — a publication for Federal employees. The articles seemed to sum up many of VOA's present problems. Top on the list is the fact that VOA is still using old and outdated equipment. Turntables, transmitters, and consoles are from 20 to 40 years old. This is unbelievable in this age of computer technology. Recently, President Reagan made a speech in a studio that is unchanged from the Eisenhower Administration. Replacement parts are no longer available so the government is forced to manufacture these parts themselves. Hopefully, funds will be soon approved to upgrade this ancient equipment. (Steve Pacetti, CO)

VOA SAYS IT REACHES MORE LISTENERS IN THE SOVIET BLOCK: An AP article published in the Nov. 28, 1983 NY Times says the VOA is getting through to Eastern Europe's population despite wide spread Soviet jamming. VOA is reaching 14.7% of the population of the Soviet Union, 43% of Poland's adult population, 35% of Czechoslovakia's population, 25% of Hungary's population, 22% of Bulgaria's population and 24% of Rumania's population. (R. Hesch, NY)

GRENADEA: I have received many articles on the impact of the Grenadan invasion upon "our favorite radio station". An article in the Nov. 19, 1983 Boston Globe sheds the most light on the situation. Three paragraphs in the article deal with the fate of Radio Free Grenada.

"The U.S. Army "Psychological Operations" team lost no time setting up its press outlet on Grenada. Less than three days after U.S. bombs decimated the facilities of Radio Free Grenada, U.S. Navy Technicians were busy airing Bob Marley, Stevie Wonder and regional news announcements over the same frequency but from the back of a military communications truck."

"The people are happy now because they're finally getting the truth," said Navy Lt. Richard Ezzell, who oversees the operation. Asked whether he felt the station's news programming, which relies heavily on handouts from the Grenadian governor generals' office, was being censored,

Ezzell said, "The local people tell us they didn't know what was happening here before. Now they're getting the information they need."

"Two miles from the new "Spice Island Radio " studio, the remains of Radio Free Grenada lie in charred upheaval. The building was bombed so precisely that none of the houses nearby were damaged. Drapped among the concrete rubble and twisted cables are several phonograph records melted from the heat of the bombs: Haydn's Sonata No. 46, Ravel's "Bolero" and a piano concerto by Franz Liszt."

Despite the rhetoric, I always enjoyed listening to RFG, especially the steel drum, calypso and Reggae music. I hope that Grenada's voice on shortwave will not be silent for long. (John Fisher, MA; also NY Times, 10/26/83 via R. Hesch; NY Post 10/31/83 via Lynn Burke, VA and others)

RADIO MARTI TO AIR: After easy passage in the House and Senate, President Reagan has signed legislation to set up R. Marti—a gov't radio station that will beam US programs to Cuba. It won Congressional approval because a compromise was reached making the station part of VOA. The station will broadcast from VOA's Marathon Transmitter in Florida. It will offer news about political events in Cuba. According to Cuba's Deputy Foreign Minister, Cuba will now wait and see before considering its next action. The Foreign Minister ruled out the possible jamming of the station. Instead, he said Cuba may set up a counter-broadcast station to the US via powerful transmitters capable of overriding signals of scores or hundreds of US stations. However, the Foreign Minister has said that if R. Marti is objective and neutral as its proponents claim it will be, Cuba may do little or nothing. (Cincinnati Enquirer, 9/14/83 via D. Clayton, OH; Dayton Daily News, 9/30/83 via Lori Kłowsowski, FL; Detroit News, 10/5/83 via Clayton, OH; Miami Herald, 10/16/83 via Kłowsowski, FL)

TURKISH RELAY FOR VOA: According to the Aug. 22, 1983 Newsweek, VOA wishes to set up a relay in eastern Turkey. They want the relay to broadcast to the Western and Central regions of the USSR where Turkish dialects are spoken. Turkey in the past have turned down this proposal not to ruffle the Soviet's feathers but now because of an underground Soviet controlled Turkish lang. station, Turkish leaders may change their mind. (Langlois, GA)

Q

q & a

Chris Hansen
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A

HAPPY NEW YEAR! I hope that 1984 will be as DX-productive for you as 1983 was (or more productive, if 1983 was not a good year, hi!)

Our first question this month is from SPEEDXer Philip Dampier. He asks: "Why do (some) stations such as Radio Beijing play some of their programs backwards?" (or sdrawkcaB, hi) Well, Philip, the Chinese wouldn't answer this question were you to ask them, but I'll essay an answer. Let's say you are a Chinese telecommunications person responsible for relaying Radio Beijing programs from an outpost in western China. You are also charged with getting the program on the air as soon as possible after it's broadcast. When you record your backwards relay from Radio Beijing, you simply have to put the recorder into "play" at the end of the broadcast and, without rewinding, you can play the program forwards. This is the best explanation I have heard; there are others (plain orneryness is one).

I have received several queries about utility broadcasts. I am not a utility listener (although I suppose I could be persuaded!), and, coincidentally, I received from a rabid Utility Chaser a paean to utility listening. With her permission, I below reprint Cornelia Campbell's explanation of why she is a utility listener.

"The UTES both fascinate and excite me. Here are all these men and women serving us all 24 hours a day, 7 days a week, year in, year out. People at work -- not trying to con anyone into believing anything, not trying to entertain or to sell, they are simply going quietly about their lawful occasions in the air and on the sea. They rescue people, they transport people, they help homesick service people talk with home, they fly or sail their military missions. Those on the ground or sea do care about those in the air or at sea.

"My college major . . . was geography. This in the years before American colleges and universities really considered Geography a subject fit for their attention. . . . I've travelled a fair amount and the UTES let me bring the world to me now that I can't go out to it.

"And, I suppose the UTES provide a sort of refuge from the present climate -- one in which it is no longer possible to believe anything our government tells us, and only about 50% of the media presentations. You should explore the UTES a bit, but, be warned, they can be addictive!"

A very fine presentation of what many people have felt is a specialist's domain, Cornelia! I am indebted to you. If any of you are now interested in utilities, contact HQ for information about the SPEEDX Utility Guide, currently being issued, which will tell you more about utilities than I will probably ever know!

= = =

Please do submit your questions to me. I will do my best to either answer them myself or solicit expert help in answering them. A question which was asked of me I will pass along to those of you who use computers in conjunction with our hobby: "How exactly can computers be used to help a person DX?" I can think of several ways off the top of my head, but I want to find out what YOU do with your computers. Please write, and I will reprint some of your answers two months from now. To those of you who worry that SPEEDX, like some other journals, will turn into a computer journal: Fear Not!!! We are a DX magazine and a DX magazine we will stay!

= = =

In response to another question, I think I should introduce myself to new members here: I am a 31-year-old computer programmer who has been DXing for about 13 years now. I have been a Director of SPEEDX for 4 years, and was, for 5 years, the Western Hemisphere Editor, retiring last year. I was educated at Columbia University, receiving a B.A. in Latin and Greek in 1974. I am a member of Mensa and am on the Board of the New York Mensa organization. Occasional references to Arkie and Blackie have puzzled some: Arkie is a 5-year-old tabby cat (very proud, as he was named after a bishop), and Blackie is, of course, all white! See you in two months!!!

Chris



TECHNICAL TOPICS

Editor

SANDY BLAIZE

AVC	SSB
AGC	LSB
GAIN	FADE
TUNER	NOISE
IMAGE	Smeter

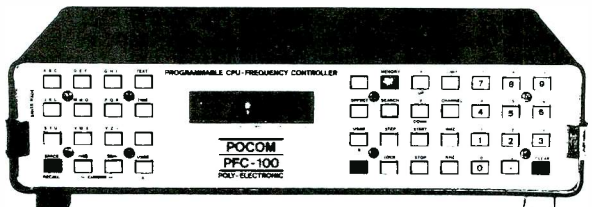
E. V. "SANDY" BLAIZE
417 RIDGEWOOD DRIVE
METAIRIE LA 70001

Send Technical Questions
& Technical Material To: ➡

MISSING DECEMBER COLUMN! No it was NOT lost by the Postal Service! Due to my schedule at work and other multiple things going on all at once, I did not complete the column on time to submit it. Sorry for you that wait for it. One of those oversights that caused me to drag my feet until the last minute!

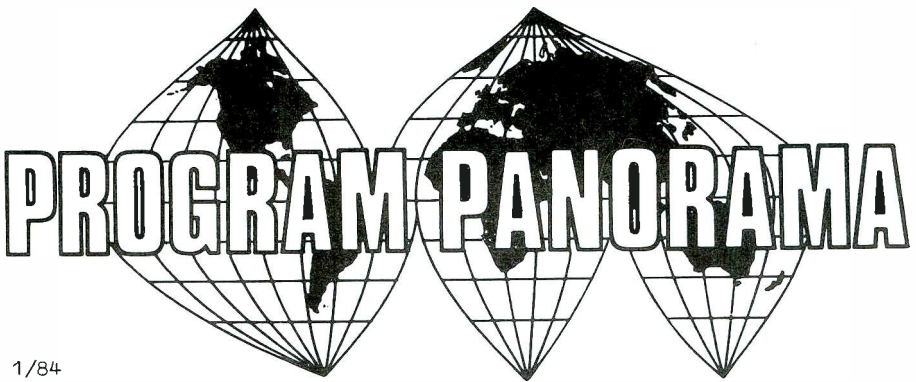
MFJ -1224 CW/RTTY INTERFACE recently released. Allows transmission and reception of CW or RTTY signal via radio with the appropriate computer/software. This device converts the received tones into TTL level signals your computer can use for data processing. The unit will operate at shifts of 170,425,850 Hz. Speeds handled from 5-100 WPM on CW/BAUDOT and 300 baud on ASCII. Various arrangements are provided for keying a transmitter, and the unit will also work with a standard teletype machine. It uses standard Kantronics software for VIC-20, APPLE, ATARI, TRS-80, and C-64 machines. Will use NU4V "NRAP" software for the Timex TS1000/1500 machines. Price is \$99.95 plus shipping from MFJ, Box 494, Mississippi Stae, MS., 39762 or your local or nearest MFJ Distributer. Say you saw it in SPEEDX!!

POCOM PFC-100 CONTROL UNIT, made in Switzerland. A very complex "intelligent" programmable frequency controller for the JRC-NRD-515 or ICOM R-70 receivers. Will store 100 frequencies along with mode, AGC setting, Attenuator setting, Bandwidth, Name of station, all displayed on an LCD panel on front of the unit. Other "features" include: realtime clock-calender, very sophisticated timer functions, can have display "offset" for use with VHF/UHF converters, etc. etc. Several operational modes are: Direct keypad entry, Search Mode (user defined search parameters and rate of search), Memory Mode (direct access to memories or scan all selected memories. "Rest" time is programmable), Input Mode (loads operational settings of receiver into PFC-100), Standby Mode (returns control of receiver to user), Wobbler Mode (scans around a defined frequency+ 3 khz.) The way I understand it, with this device, some external switching (controlled by the PFC-100), some antennas, VHF/UHF converters you could make your setup say: Listen to the BBC for a newscast at a particular time and date, switch in a VHF converter to check on a pass of the SPACE SHUTTLE on the 2 meter ham band, then listen to your favorite police UHF channels at a given time block, monitor some SSB utilities (scanning) for a time then shutting down at your bedtime. During the night it will switch your receiver back on, monitor a broadcast you might otherwise miss, turn your recorder on and off, and then shut the set down again!! (I'm sure it would even start the coffee maker with an early morning local radio station if you wanted it to!!) This device is really too sophisticated to describe here at present, but it sounds like it opens the way up for truly push-button, user programmed LW/SW/VHF/UHF monitoring with the NRD-515/R-70 receivers and accessory gear. Price and availability to soon be announced by Universal Amateur Radio Inc., 1280 Aida Dr. Reynoldsburg, Ohio, 43068. Telephone (614)866-4267 and ask for Fred Osterman for more details. Say you saw it in SPEEDX!!



COMMENT: Many thanks to all of you who wrote with ICF-2002 details etc. I hope to have one of these to test soon. Next month: Review of the Panasonic RF-799.
FOR SALE: Two only. Almost new FRG-7 receivers. With improved ceramic filter for better selectivity, AGC mods. etc. A "classic" receiver! Price \$175.00 plus shipping/packing. Write to the Editor at above address. 'Till next month best DXing and hope Santa brought you that Dream receiver!!

Sandy 11



PROGRAM PANORAMA

1/84

Woody Seymour, Jr. P.O. Box 848 Sanford, N.C. 27330

AUSTRALIA...Last month we mentioned some changes in Radio Australia's transmission times. Now let's look at some of the new programs from the station. **TALKBACK** replaces **SPECTRUM** as RA's weekly program for DXers and SWLers. Host Barry Seeber brings you feedback on how to improve reception and brings news of communication developments from the South Pacific. Tune in Sat 1610, Sun 0210, 0730, 2110 UTC, as well as Fri 0300(11885), 0400(15240) and 0915(6045 kHz). (Rob Harrington, **KALEIDOSCOPE** features insights into various unusual aspects of life /GO) in Australia on Tue 2112 and Wed 0730 UTC.....**LETTERS TO THE EDITOR** moves to new times, Thu 1412, 1612, Fri 0330, 0610 UTC.....**MUSEUM PIECES** is a program of stories of Australia's past, suggested by the visits of host Keith Smith to various Australian museums. Tune in Fri 2112, Sat 0330, Sun 1710, Mon 0730 UTC.....**MUSIC SHOWCASE** is a program of Australian light music, introduced by Lawrie Bruce, heard Sun 1530, Wed 0530 UTC.....**THE BODY PROGRAMME** is now heard Mon 2112, Tue 0730 UTC, not ideal times for North Americans..... (RA) **YOU ASKED FOR IT** is now heard Wed 1612, Thu 0330, 0610, Sun 0010 UTC./

CHINA(PEOPLE'S REPUBLIC)...Radio Beijing has the following regular feature programs in their English transmissions. Sun CHINA ANTHOLOGY, MUSIC ALBUM, LISTENERS LETTERBOX; Mon ACROSS THE LAND, LEARN TO SPEAK CHINESE; Tue TRAVEL TALK, LISTENERS LETTERBOX(repeat); Wed THE THIRD WORLD MARCHES ON, QUIZ, LEARN TO SPEAK CHINESE(repeat); Thu CHINA IN CONSTRUCTION, CULTURE IN CHINA; Fri PROFILE, THE LAND AND THE PEOPLE; Sat CHINESE SAYINGS & STORIES, MUSIC FROM CHINA. **MUSIC FROM CHINA** has a program on mobile song and dance troupes from Inner Mongolia scheduled for the 14th, while a program on Chinese plucked instruments is scheduled for the 25th. (Thanks to John McDowell, IL)

GERMANY(FEDERAL REPUBLIC)...Radio Deutsche Welle's German language transmissions have a musical feature on Mon-Fri during the last twenty minutes of the 2300 and 0300 transmissions and for fifteen minutes during the 2100 and 0100 transmissions, both programs around the clock at four-hour intervals, actually. There is, however, a lot of commentary, so that these programs are apt to have only limited appeal. (Thanks to Ralf Munster, GA for this information from DW)



KOREA(REPUBLIC OF)...Radio Korea broadcasts in English daily at 0200 (11810, 15575), 0500(11810), 1400(9750, 15575) UTC. Programs are: Mon-Sat NEWS, NEWS COMMENTARY; Mon-Fri MUSICAL PROMENADE, LET'S SPEAK KOREAN, HELLO EVERYONE, THIS IS SEOUL; weekly features are: Mon TOWARD THE SEOUL OLYMPICS Tue INSIDE NORTH KOREA Wed THE PULSE OF KOREA Thu SEOUL REPORT Fri KBS ROAD SHOW Sat ECHOES OF TRADITIONAL MUSIC, KOREANS NOW!, SHORTWAVE FEEDBACK; Sun has the lineup of: WEEKLY NEWS REVIEW, THE WORLD TODAY, KOREAN CULTURE PAST & PRESENT, BRIDGE OF FRIENDSHIP. (Thanks to Pete Szabo, KS for this information; also John Demmitt, PA)

HAPPY NEW YEAR FROM SPEEDX PROGRAM PANORAMA!

NETHERLANDS ANTILLES...Trans World Radio, Bonaire, has replaced RADIO BIBLE CLASS on Sun from 1200 to 1230 UTC with THE WORSHIP HOUR. Frequency in use is 75255 kHz. (Don McCantg, AL)

NICARAGUA...(Stevan Davies, PA):"Radio Nicaragua broadcasts some English segments in its nightly 0300-0400 UTC broadcast on 5950 kHz. This broadcast from 'Our Enemy' is far more worth attention than programs from Albania, USSR and the news from Cuba. Nicaragua is naive in the sense that their opinions expressed over the air come not from books of dogma or propagandistic shetoric, but from the heart. They fear US military invasion, of course, but as we are invading them from Honduras and threatening to repeat Grenada on them soon, they have good reason. From 0300 to 0310 they give news and comment in English. They switch to Spanish thereafter, and give quite a number of local songs interspersed with short Spanish comments on primarily political and social matters. They are to be commended for playing local music, but criticized for frequently interrupting the songs or cutting them short by comments... Listeners will enjoy the music if they pay attention to the pride exemplified by it. The music is Cuban-influenced and salsa-influenced without being either Cuban(influenced some by African music) or Salsa... Radio Nicaragua gives another English news broadcast from 0350 to 0400 UTC sign off."

POLAND...Radio Polonia broadcasts concerts of Frederic Chopin's music from 0500 to 0530 UTC on the frequencies of 7270, 6135 and 5995 kHz. This same program is also broadcast from 1130 to 1200 UTC on 7285, 6095 and 5995 kHz. (Don McCants, AL)

UNITED KINGDOM...BBC World Service starts the New Year with a wide range of excellent shortwave programming. A SENSE OF PLACE is a series in which eight writers whose creative work is closely associated with a particular region of Britain look at that region. Tune in Mon 0315, 1630, Wed 1115, 2315 UTC.....ANYTHING FOR A LAUGH is a series in which Richard Anthony Baker explores the world of comic songs. You can get some laughs Sat 1430, Tue 0630, Wed 0945 UTC.....ROCK BACK THE CLOCK looks at the music of Elvis, the Everlys, Cliff Richard, Connie Francis and Buddy Holly this month. Tune in Mon 0145, Tue 0430, Wed 1015, Fri 0730 UTC.....A TALENT TO AMUSE is a series that looks at the life and songs of Noel Coward. It can be heard Sat 0730, Mon 1615, 2315 UTC.....The month ends with the beginning of an important nine-part series. WOMEN OF THE WORLD explores the roles of women in different societies at different times and try to sort out the myths from the realities. The series includes interviews with women of achievement from all over the world. The first program, called "What is a Woman?", attempts to establish just how different women really are from men. The programs are hosted by Natalie Wheen and Jenyth Worsley and begin on the 31st at 0030, 1215, 2045 and February 3rd at 0830 UTC. The remaining programs in the series can be heard in the same time slots the following eight weeks. (BBC London Calling, January 1984 edition)

USA...As reported last month, the programs of Radio Earth are now being broadcast over the facilities of WRNO in New Orleans. Tune in nightly from 0400-0500 UTC on 6185 kHz. Host Jeff White conducts the opening 35 or so minutes of the program each evening. Jeff reads listener mail and has the following weekly features: Mon A CLOSER LOOK(documentary focusing on the Americas); Tue DAVID MONSON COMMENTARY and WORLD WIDE COOKBOOK; Wed FOCAL POINT(a report from Richard Ginbey in Africa); Thu PACIFIC REPORT(reportedly to be hosted by Dick Speekman); Fri THE WORLD OF MUSIC; Sat DIALOGUE(a weekly communications magazine); Sun THE BEST OF RADIO EARTH(repeats of selected features ...may be replaced soon by a worldwide telephone talk show). The program ends each evening with THIS IS THE CARIBBEAN, hosted by the popular Rudy Espinal. (Taken from information supplied by Don Hosmer, MI and Jeff White from Radio Earth).....Matt Bell has left Radio Earth to take a position with WRNO. Jeff has been joined on the air from time to time by well-known SWler Kim Andrew Elliott.....The programs of Radio Earth are beginning to take on a distinctive sound, and they offer excellent listening. After several nights of listening, you begin to feel like each broadcast is a meeting of friends. Tune in and enjoy! (WS) See you in February.w5

WORLD SERVICE STATION SKEDS

PROGRAMMI

BULLETIN DE PROGRAMMES

ENGLISH SERVICE

PROGRAMME SCHEDULE

Editor:

CHRIS LOBDELL

P.O. Box 146

Stoneham, MA 02180

Deadline: 12th

EMISSIONS

TRASMISSIONI

PROGRAMS

SERVIZIO

COMUNICATI NEL CORSO

Welcome to 1984 fellow SPEEDXers! I hope all of you managed to survive the holidays in good shape. As I type this, people are running around all over town making their last purchases for Christmas. I hope those of you who received a receiver for Christmas are happy with them.

We are still in the D83 broadcasting period which will continue until the first Sunday in March. Remember, all times are in UTC (Coordinated Universal Time) and unless stated otherwise, skeds are for English programs. Material credited to the BBC MS is copywrited and used by permission of the World Broadcast Information Division of the BBC Monitoring Service. On to the Skeds:

ALBANIA. Radio Tirana has this schedule for the North American Service.

0000-0030 7065, 9750
 0130-0200 7120, 9750
 0230-0300 7120, 9750
 0330-0400 6200, 7300
 1230-1300 9515, 11960
 (T. McKeon)

CZECHOSLOVAKIA. Radio Prague recently issued the following schedule.

0100-0157 5930, 7345, 9540, 9630, 9740, 11990 to North America
 0300-0357 same as above.
 0530-0545 6055, 9505, 11990 to Europe.
 0730-0800 11855, 17840, 21705 to Southeast Asia, Pacific.
 0830-0900# 11855, 17840, 21705 to Southeast Asia, Pacific.
 0830-0930@ 11855, 17840, 21705 to Southeast Asia, Pacific.
 1430-1457 7345, 9605, 11990, 15110, 17840, 21505 to Southeast Asia and Pacific.
 1530-1625 7345, 9605, 11990, 15110, 17840, 21505 to Africa & Asia
 1630-1657 5930, 7345 to Europe
 1730-1825 5930, 7245, 7345, 9605, 11990, 17840 to Africa and Asia.
 1900-1927 5930, 7345 to Europe.
 2000-2027 5930, 7345 to Europe.
 2130-2200 6055 to Europe.
 (R. Adams, C. George, R. Yajko)
 Oops, almost forgot # = weekdays
 @ = Sat. and Sun.

DJIBOUTI. Radio-TV de Djibouti sent along the following schedule.

DAILY, EXCEPT FRIDAY
 0300-0430 4780 Somali
 0430-0600 4780 Afar
 0600-0800 4780 Arabic
 0900-1100 4780 Afar
 1100-1300 4780 Somali
 1300-1600 4780 Arabic
 1600-1730 4780 Somali
 1730-1900 4780 Afar

FRIDAYS

0500-0700 4780 Afar
 0700-0900 4780 Somali
 1100-1300 4780 Somali
 1300-1600 4780 Arabic
 1600-1700 4780 Somali
 1730-1900 4780 Afar
 (M. Mahoney). This station can be heard at 0300 sign on, La Voz de Carabobo permitting.

EGYPT. Radio Cairo sent this North American Service schedule, valid until the end of December.

0200-0330 9475, 15370
 (R. Adams, J. Talbot)

ESTONIAN SSR. Radio Tallin sends this undated schedule.

0915-1000 5925 Finnish weekdays
 0900-0930 5925 Swedish Sunday
 1600-1630 5925 Finnish Sunday
 2105-2135 5925 Swedish weekdays
 2135-2205 5925 Estonian daily
 (E. Soomre)

No room to start another schedule here.

FRANCE. Radio France International in Paris. This D83 schedule is valid until March 3, 1984.

0415-0430 7135, 9535, 9545, 9550, 9790, 11875 to Africa
 0445-0500 7135, 9535, 9545, 9550, 9790, 11875 to Africa
 1600-1700 15300, 15315, 17720, 17795, 21580, 21620, 21685

(R. Adams, C. George)

GERMANY. Radio Berlin International has published this North American Service schedule valid until the end of April 1984.

0015-0100 9730, 11975 ECNA
 0100-0145 9730, 11975 ECNA
 0230-0315 9730, 11975 ECNA
 0330-0415 9560, 11840, 11890 WCNA
 0715-0800 9560, 11890 WCNA
 (direct)

GHANA. Radio Ghana, undated sked recently received.

0500-0900 3366 English
 0500-0900* 4915 vernaculars
 0500-2300+ 4915 vernaculars
 0900-1600+ 5990 vernaculars
 0900-1600+ 7295 English
 1200-1600* 7295 English
 1200-1600* 5990 vernaculars
 1200-2300* 4915 vernaculars
 1600-2000 6130 English
 1600-2305 3366 English

* = Monday through Saturday
 + = Sunday and holidays
 (F. Welch, J. Wilkins)

INDIA. All India Radio in New Delhi. This schedule is current as of November 24th.

1000-1100 15170 Asia, Australia
 15320 "
 17387 "
 17705 "
 17875 "
 17855 "
 1330-1500 11810 Southeast Asia
 15335 "
 1745-1830 9595 Middle East
 11620 "
 1800-2000 11830 East Africa
 15265 "
 1845-2230 7255 U.K., West Europe
 9665 "
 11620 "
 1945-2045 9755 Africa
 11865 "
 2000-2230 9912 U.K., W. Europe
 2045-2230 9595 Australasia
 11755 "
 15110 "
 2245-0000 9655 Asia

ECUADOR: CONTINUED.

2245-0115 7215 Asia
 9595 "
 11765 "
 11875 "
 15110 "
 15275 "
 0000-0115 17785 "
 (BBC MS)

JAPAN. Radio Japan "NHK" in Tokyo has the following D83 General Service schedule.

TIME	ASIA	AMERICA	EUROPE
0100-0130	17810	17755	9675
0300-0330	17810	17755	9675
0500-0530	17810	15300	9675
0700-0715	17810	15300	17785
0900-0930	15195	9505	17785
1100-1130	9635	9505	
	15195		
1300-1345	11815	9505	
	11840		
1500-1545	11815	9505	9675
1700-1730	11815	9505	9675
1900-1945	11815	15300	9675
2100-2130	11815	15300	9675
2215-2230	15210	17755	9645
	15235		
2300-2330	15210	17755	9645
	15235		

RELAY VIA SINES, PORTUGAL
 0700-0715 15130
 2215-2230 9580
 REGIONAL SERVICES TO THE AMERICAS
 0130-0230 15195, 17825, 21610,
 21640 to North America and
 Hawaii
 2345-0045 15300, 17825 to ECNA
 (S. Abbott, E. Soomre)

KOREA (SOUTH): Radio Korea in Seoul has issued this new schedule to be effective on December 19th.

0200-0300	11810	Americas
	15575	"
0600-0700	7275	General Service
	9640	"
	11820	Europe/Middle East
	15575	"
0930-1030	5975	General Service
1100-1200	15575	Middle East/Africa
1300-1400	6135	General Service
1400-1500	9570	Southeast Asia
	9750	The Americas
	15575	"
1600-1700	5975	General Service
	9870	Europe/Middle East
	11810	"
2200-2300	7550	Middle East/Africa
	15575	Europe/Middle East

(P. Thompson)

NEW ZEALAND. Radio New Zealand in Wellington has this schedule valid until the end of February.
 1700-2000 15485 Pacific
 1700-1115 17705 "
 2015-1115 15485 Australia/PNG
 (R. Adams.)

NORWAY. Our friends at Radio have forwarded these frequency amendments effective on November 20th.

0000-0030* 7210 Asia/Australia
 9590 Eur/Afr/S. America
 6085 North America
 9610 ECNA
 0400-0430* 9610 ME, Africa
 9645 "
 6015 ECNA, C. America
 9705 WCNA
 0500-0530* 9590 Europe
 15180 ME, East Africa
 11865 ME, South Africa
 9620 North Pacific
 1000-1030 6015 North Europe
 21730 Far East, N.Z.
 17830 Australia/N.Z.
 25615 South Asia/Austral.
 1300-1330 21700 South Asia/Australia
 25730 Mediterr., Africa
 9590 Europe, West Africa
 25615 N and S America
 1400-1430 6015 North Europe
 11875 S. Asia, Australia
 17860 ME, India
 17710 North America
 1600-1630 6015 North Europe
 15165 ME, East Africa
 21700 Mediterranean, Afr.
 15180 WCNA
 1700-1730 15175 ME, Africa
 9590 Mediterranean, Afr.
 15165 W. Europe, W. Afr.
 1900-1930 9590 Europe
 9525 North Pacific
 7210 New Zealand
 15175 Mediterranean, Afr.
 2000-2030 9590 Europe
 9525 Pacific, New Zealand
 11875 Europe/Africa, S.Am.
 9610 Central S. America
 2200-2230 9590 Europe
 9685 Far East, N.Z.
 7210 Australia
 9525 Australia

English program is aired on Sunday
 (* = Monday)
 (direct)

PAKISTAN. Radio Pakistan in Karachi. This sked is taken from the December issue of Pakistan Calling
 1645-1745 9435 Europe
 11670 "

Slow speed English news bulletins

PAKISTAN: CONTINUED.

0230-0245 7315 Southeast Asia
 17840 "
 21595 "
 1100-1115 17660 Western Europe
 21800 "
 1600-1615 9860 Middle East
 11670 "
 15445 East Africa
 15565 Middle East
 17680 East Africa
 0339-0345* 11695 Africa
 15325 "

* = English newscast in the Swahili service
 (direct)

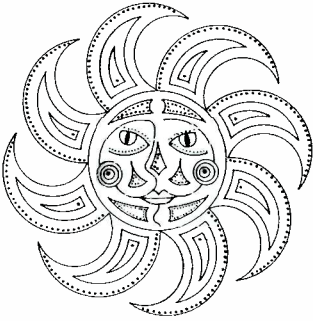
SUDAN. The Sudan National Broadcasting Corporation in Omdurman sent this schedule dated November 22nd.
 0400-2200 4994, 11835 local languages
 (F. Welch)

UPPER VOLTA. Radiodiffusion-TV Voltaique in Ouagadougou has this current schedule. Languages used are French and vernaculars.
 0530-0900 4815 Mon, Tues, Wed, Fri.
 1200-1400 7230 " " " "
 1600-0000 4815 " " " "
 0530-0000 4815 to 0900, 7230 to 1700,
 4815 from 1700-0000 on
 Thurs., Sat., and Sunday.
 (J. Wilkins)

The winner of our CAPRIVI contest was Dave Claytor of Oxford, OH. He has received his 2 IRCs. His answer was CAPRIVI, or CAPRIVI STRIP is a narrow region of land in northeastern South West Africa (Namibia), bordered by Angola and Zambia on the north and Botswana to the south, a spindly Namibian panhandle, so to speak". One of our 7 runner ups, Joe Schwartz of Flushing, NY gave some of the background of how CAPRIVI came to be. "The name comes from that of a German foreign minister with the un-German name of Count von Caprivi. During the 1890's, he negotiated the boundaries of what was then German South West Africa with what was then British Imperial territory in South Africa" Thanks Joe for the interesting history of CAPRIVI.

Now here's this month's quiz:
 Before Mozambique became independant from Portugal, its capital was Lourenço Marques. It is now called Maputo. For a short time between these two it had another name. What was it? The prize again is 2 IRCs for the first correct answer received. Runner ups (as with the Caprivi contest) will received 1 credit.

731
 CHA



SPEEDX Western Hemisphere

EDITOR: JOHN GERSHIN WJK3IAO
6812 Pickett Drive
Morningside Maryland 20746

Deadline: 12th

All times and dates UTC. All fqs in kHz

JANUARY 1984...at last!

Well, hello once again. I hope that everyone has recovered from their New Year's Eve hangovers, and is ready to get down to some serious DXing. If 1983 was any indication of things to come, 1984 should be a lot of fun.

I guess now would be a good time to take care of some old business. First, I would like thank everyone who has supported me during the first few rough months of my editorship of WH. Thanks to everyone. Special thanks to Carl Huffaker, Ralph Famularo, Barry Brenesal, Tom Kephart, Robert Palmer, and Ralf Munster for their correspondence and support. I hope that everyone will continue to support WH and SPEEDX during '84.

For those new to SPEEDX, or who might have forgotten, a brief re-introduction wouldn't hurt. I'm 19 years old, and am a freshman at the University of Maryland. I've been a SPEEDXer since 1978, and a DXer since 1976. My totals include 414 stations from 172 countries. My main DXing interests include MW and TB Latins. I am an avid sports fan and dog lover. I'm 5 foot, 10 inches tall, weigh 190 pounds, and wear glasses. (Gee, you know me so well now...)

A few of our old friends are back this month. Check Haiti for 4VEH's return to the tropical band, and the return of R, Landia, Honduras.

RBCMS reports a tentative sked for R. France's relay at Montsinery, French Guyana, to take affect March 4th

0900-1000	11880, 9575	1200-1800	21580, 17860, 15435
1000-1100	17860, 11880, 9575	1800-2200	17860, 15435
1100-1200	17860, 15435	2200-0200	15300, 11790, 9605

No languages were given.

Once again, I only have 7 pages this month, so if I don't hurry up and start, I'll be out of room before I know it. So, remembering that if no language is designated, the report was given as Spanish.

***** SOUTH AMERICA *****

ARGENTINA

11710 0104 RAE, EE, mx, sx, wx, ID, "DXers Special" (222 11/3 McDowell IL); 0425 EE 0430* (243 11/13 Hosmer MI); (353 11/18 Shimada JP)+5 +1
 15345 0130 RAE, election mx, soccer scores, 0159* SS, *0200 EE (11/1 432 Mendez NJ)

BOLIVIA

3481 2325 R. Padilla, caught full QM ID @tune-in, followed by presumed NA. QM tx, followed by ballads (pr 11/11 Parks FL)
 4756 2355 R. Ehis, Bolivia, QM ID @2357 "...desde Oruro, REhis Bolivia..." Local ads, px of huaynos (fr/pr 11/11 Parks FL)
 4897 1030 R. Nueva America, LAm pops, QM amcx. 1030 s/on? Lotsa slop from R. Lara (322 11/24 Murff NY)(uh, Nathan, I don't mean to nitpick, but don't you mean 4797? I think your printer made a boo-boo on your log jc)
 4945 1042 R. Illimani, s/on, ID "R. Illimani, LV de Bolivia" QM amcx, into tx. Very strong sig (444 11/24 Murff NY)
 6105 *1030 R. Panamericana, stn theme in hi and lo octaves on electric organ. S/on, into ad string w/one for Orange Crush. Ex "Bolivia en Antena", "desde el hermoso pais de Bolivia..." (343 11/10 Stephany NY)(332 11/8 Brenesal FL)

BRAZIL

all logs FP unless otherwise indicated
 4750nf 2225 Rdif do Maranhao, px on Braz agriculture. ID @2230 as "...Rdif do Maranhao, Sao Luis" (11/15 fr/gd Parks FL)(Dan Sheedy; this may be your unid jc)

B R A Z I L continued

- 4755 0212 R. Educacao Rural, Braz and US pops hosted by OM. Full ID @0233 w/AM-SW freqs. Het and splatter de Mayak. Hrd thanks to move of Maranhao to 4750 (11/21 Parks FL)
- 4765 0200 R. Nac Cruzeiro do Sul, OM/UL txs, IDs, orch mx (444 11/29 Thompson NM)
- 4815 1014 R. Nac de Tabatinga, ment of Tabatinga and ad string (fr 11/25 Ulmer LA)
- 4845nf 2255 R. Nac de Boa Vista, "A Voz do Brazil", ID @2258 by OM, mx, into educ px @2500. QRM de Mauritania (fr 11/21 Parks FL)
- 4875 0331 R. Nac de Boa Vista, nf for this one. Complete taped ID by OM at tune-in, w/freq which unfortunately I couldn't catch. Then txs by OM incl 2 more IDs, and into non-stop mx till tune-out. Exc lvl, but loud, obnoxious het, plus plenty more QRM. & 4835 (422 11/24 Cunningham OH)(454 11/17 Mahoney FL)(okay, two new freqs for the same station? jc) CA
- 4915 0726 R. Anhaquera, OM, TCs/ads/jingles and lively mx, IDs (333 11/29 Thompson)
- 4955 0240 R. Poti, OM, pop/EZL mx. ID 0242 and 0252. R. Poti ad strings (433 11/7 Murff NM)(I forgot to give a special "thank you" to Nathan Murff for his support of WH above and beyond the call of duty. Thanks, Nathan jc)(242 12/3 Mahoney FL)
- 4965 0948 R. Alvorada, *0948, IDs, ads for Paratins and Boa Vista. Braz pops. Wake-up w/OM. Radiobras mx at 1000 (353 12/3 Mahoney FL)
- 4985 0030 R. Brasil Central, OM ID, tx, LAM pop mx, QRM 4990 (333 11/30 Prath FL)
- 5045 0301 R. Cult. do Para, ID, 0802*, OC (fr 11/26 Ulmer LA)
- 6000 2245 R. Inconfidencia, "A Voz do Brazil", full ID at 2301, intermittent SSB UTE QRM (gd 11/8 Parks FL)
- 6020 0716 R. Universo, ID "R. Universo, uma voz poderosa..." under unid OC (fr 11/26 Ulmer LA)
- 9545 0845 R. Universo, Braz mx w/OM, ID at 0847 "Emissora...R. Universo..." with orchestral mx (242 11/7 Miyauchi JP)
- 9670 0831 R. Marumb, end of s/on routine, into mx, into px of Braz mx at 0850 (353 11/6 D'Angelo PA)
- 9680 0757 R. Nac. do Amazonia, IS, 0758 full ID w/mx, followed by nice flute mx //11780 (343)(322 11/12 Miyauchi JP):2105, 15445 vacant (pr/gd 11/15 Famularo NJ)
- 9695 1125 R. Rio Mar, "Informando Cultural", "Parada Musical da Manha" pxs, IDs and ads (444 11/25 Mahoney FL)
- 11780 *0800 R. Nac de Amazonia, IS to s/on at 0800. OM w/local mx and TCs (433 11/29 Thompson CA):2350 (433 11/4 Hotaling NV)
- 15270 2103 R. Nac do Brasil, IS, for S. Br. (343 11/15 Ulmer LA)
- 15290 0209 Radiobras, ES, ads for Braz stamps, tourism (322 11/17 Dillon PA)+1
- 17815 0200 R. Cultura, ID at 0201, orch mx (141 11/15 Jones TX)(Famularo NJ)

C H I L E

- 9550 0930 R. Nacional, beautiful local mx w/OM. Usually s/on around 0930 (343 11/17 Miyauchi JP):0238 (232 11/20 Rising CA)
- 9630 1042 R. Agricultura, ad string for local bank. Two OM w/world and LAM noticias, ID at 1105 (fr 11/26 Parks FL)

C O L O M B I A

- 4785 0618 Ecos del Combeima, tropical mx, TCs, ads, IDs "Esta es Ecos del Combeima, otrn estacion de la cadena orgullosamente Colobiana, Super" (333 11/12 Moore TX)
- 4815 0207 R. Guatapuri?, px of a drawing (I don't think it was a lottery, as they had the names on the tickets)(maybe a raffle, or other fom of contest? jc) from Barranquilla. Off in mid-sentence at 0218 (444 11/11 Huffaker MK)(I haven't heard from these boys in a long time. They used to be one of the strongest signals on 60 meters during their heyday jc)
- 4845 0522 R. Bucaramanga, US pops, OM DJ (gd 11/29 Kephart MI)(McKeon IN) TX
- 4865 0349 LV del Cinaruco, CARACOL ID, noticias del dia, 0404* (333 11/10 Moore)
- 4875 0533 R. Super, OM, mx px, IDs btwn each selection (gd 12/3 Kephart MI)
- 5040 0256 R. Cinco, pop/folk mx. ID w/network logo chime at 0259: "Esta es Radio Cinco de Grupo Radial Colombiano. Mil vatios de potencia. HJLK 1260 kilohertz, transmitiendo desde Villavicencio. Radio Cinco el llano en sintonia." OM DJ w/ID/TC amnts and recorded slogans in every amnt (433 11/5 Stephany NY)(Great, and useful report, Holani jc)(Prath)(Ulmer LA)
- 5095 0350 R. Sutatenza, wld mx, ad to drink more milk, mx from Lebanon and Nicaragua (333 11/21 Grosvenor CA)(433 11/17 Mendez NJ)(Stanley AZ)+1
- 5950 0915 LV de Centauros, LAM mx, OM ID at 0915 (211 11/8 Lipman NY)
- 6085 1215 Ondas del Darien, LAM pope, long tx btwn songs (333 11/20 Prath FL)
- 6115 0601 LV del Ilano, ID "La Internacional Voz del Ilano." Mostley uptempo mx. (gd 11/17 Kephart MI)(333 11/5 Moore TX)

Can't finish Colombia here...We're still waiting for our first snowfall here in DC

HAPPY NEW YEAR! MORE ECUADOR! ... after COLOMBIA

COLOMBIA

9635 0322 R. Nacional, classical songs by soprano (343 12/9 Traver NV)
11795 1155 R. Nacional, EZL mx, OM ID (453 11/8 Hesch NY)(444 11/20 Lipman NY)

ECUADOR

3220 0300 HCJB, tent, Nachmaninoff (vodka music? hi! jc), ments of Ecuador (of course, the best way to ID this is to listen for the "V" time signal at the top of the hour jc)(444 12/3 McKeon IN)

3260 0228 Rdif/LV del Rio Carrizal, in well w/folk mx and OM amnts, ooc ID/TC; s/on am 0332: "...himno a la medianoche. Rdif. LV de Rio Carrizal... correspondiente al este dia...de nuestra patria. Les estamos escuchar nos programacion, cierre de la mañana a las 5 horas 30 (s/on at 5:30 local? That would be 0930 or 1030Z? jc). LV del Rio Carrizal transmite desde la tierra del Calcetam provincia Manabi, republica del Ecuador. El himno nacional de Ecuador cierre nuestra emision de hoy." (gee whiz Nolan, your logs are wearing out my typing finger! Keep it up! jc) NA to 0326*. Hrd agn 11/18 w/actual px of mx, then ID and same s/off am 0325* Still 250w? (I'll bet a nickle that they've raised it, because I've heard them myself with a non-250-watt signal jc)(333 11/13 Stephany NY)(422 11/25 Murff NM)(coming in well in the southwest j)

3290 1010 R. Panamericana, ID 1015, long OM tx (322 11/10 Brenesal FL)

3316t 0237 R. Pastaza, OM w/tx. SS mx (122 11/17 Uerlings OR)(232 11/25 Rising CA)(333 11/25 Murff NM)(252 11/17 Mahoney FL) Huffaker MX

3381 0331 R. Iris, mixed mx from soul to Lame, ID and NA at 0400* (343 11/12)

3395 1050 R. Zaracay, andean mx, ads, ID (gd 11/15 Famularo NJ)(333 12/2 Prath FL): 0501* (444 11/5 Stephany NY)(322 11/11 Moore TX)

4657 0235 CRE, Mexican mx, ID at 0245 "CRE...cientos sesenta kHz" (I think that the break was a bad tape as the xmsn was good)(343 11/12 Huffaker MX)(434 11/12 McKeon ID)(gd 11/12 Ulmer LA)(343 11/10 Jones TX)(Traver NV)

4792 0424 Sistema Emis Atalaya, LA pops, ads, TCs "...en Atalaya" (444 11/12 Huffaker MX): 0504* (433 11/27 Stephany NY):0600 (pr 11/23 Kephart MI)

4795 0110 LV de los Caras, full ID w/sked at 0109, local notices. IDs at 0115 and 0122 (NOTE: "Caraquez" pronounced ca/RA/kes, almost like capitol of Venezuela)(444 11/14 Huffaker MX)

4800 0415* R. Popular, (I've never caught their s/off before) They had a "Blue Dambu" mx background for their final (343 11/12 Huffaker MX)

4851 1034 R. Luz y Vida, Andino mx, frequent ads, ID at 1049 but only partially understood. Rosary followed. Gradually getting worse to f/out at 1100. (232 11/11 Stephany NY)

4920 0425 R. Quito, fast-talking OM, 0429 ID, sounds like a sports px (242 11/5 Jones TX)(555 11/22 Brewer AR) Thumberg PA

5015 1055 Escuelas R. Populares, tx on Central America, ID at 1058 (343 12/7)

5050 0957 R. Jesus del Gran Poder, IDs, OM, mx, relg tx (454 11/14 Hesch NY)+1

5063 0414 R. Nac Progreso, ballads, vocals, ads. Ment of "Loja". IDs just "en Progreso". Echo effects (222 11/24 Palmer WA)(fr 11/26 Ulmer LA)

6050 0450 HCJB, OM sermon (454 12/7 Traver NV)

6095 0504 HCJB, EE, "Unshackled" (454 11/17 Bingham MA)(454 12/7 Traver NV)

6550t 0245 R. RJ, SS? Ecuadorian folk mx, huaynos, rock w/HC NA prior to 0303*. No tx, IDs! IDs as above by Codma, QTH unknown. Stn has been hrd to past 0630 but never any amnts. (fr/gd 11/18 Parks FL)(possible hammonic? Maybe 2x 3275, or 5x 1310... jc)

9655 0528 HCJB, Nordic, TC at 0530, ID. Not in WRTH (at this point of the year, I wouldn't put too much stock in what the handbook says about anything jc)(454 12/7 Traver NV)(454 11/10 Bingham MA)

9720 *0600 HCJB, GG, relg tx, Xmas songs (422 12/7 Traver NV)

9745 0600 HCJB, EE, //11900 6095, "Radio Bible Class" (222 11/27 Talbot WI)+6

11835 0746 HCJB, EE, disc of piranha (344 11/19 McKeon IN)

11910 0531 HCJB, EE, wld mx (333 11/29 Leonard ME)(454 11/17 Bingham MA)

15155 0159 HCJB, EE, "Unshackled" (444 11/30 Ryeder FL)(Henault MA)(Keenan CA)

15175 0130 HCJB, relg tx and songs (444 11/16 Sable NY)(thanks for that nice card Tom, it's a beautie jc)

15250 0055 HCJB, EE, "Through the Bible""Back to the Bible" (352 11/19 Shimada JP)+1

15295 *2130 HCJB, EE, IKPL (454 11/21 Krist VA)(454 11/16 Bingham MA)

17790 1900 HCJB, EE, "Passport" (454 11/16 Bingham MA)

17890 1330 HCJB, EE, "Our Daily Bread" (554 11/11 Fraser MA)(333 11/12 Duncan NC)+2

21477.5 *2129 HCJB, EE, IKPL (343 11/14 Krist VA)

21480 1930 HCJB, EE, "Passport" (333 11/8 Bingham MA)

26020 1420 HCJB, EE, "Radio Bible Class" (243 11/12 Hosmer MI)(Brewer AR)

I'll be typing next month's WH from my home in Charlestown, MD, but send your logs to Morningside.

FRENCH GUIANA6170 0908 TDF, FF, rock mx, IDs (252 11/12 Jones TX)GUYANA5950 0816 GEC, EE, mx at 0900, then sx mx (222 11/8 Lipman NY)(D'Angelo PA)PARAGUAY9735 0030 R. Nacional, OM: "Cancion..Paraguay", harp mx (444 11/14 Robinson TN)+4PERU

- 3230 0500 R. El Sol de los Andes, sounded like the mx (any ID? jc)(222 11/15
Keenan CA)
- 4301 2312 R. Moderna, non-stop mx to LAM noticias at 2325 by OM. Moderate CW
QRM (fr 11/25 Parks FL)
- 4762 0928 R. Inca del Peru, Andino mx w/2 OMs. ID at 0932, "R. Inca del Peru, la
senal folklorica andina, transmitido las 24 horas del dia. OEX4E 1280
kilohertz onda corta, banda tropical de 60 metros, desde Lima, Peru."
Then a px ann followed w/another ID, and address. Ex "Reyeces de
folklorica del Peru" w/andina mx and TC/IDs by OM. Ad string 0946 (343
11/10 Stephany NY)(343 11/14 Huffaker MX)(333 11/10 Brenesal FL)+1
- 4790 0145 R. Atlantida, election returns (these Collins filters have good skirts
because Atalaya 4792 was also in the clear)(I wouldn't know about the
abilities of those filters; us poor folk can't afford them jc)(443
11/14 Huffaker MX)(232 11/30 Prath FL)(222 11/18 Rising CA)+2
- 4922 0150 R. Ondas del Titicaca (t) very weak SS noted here. Sounded like a
soccer match as many ments of "pelota", SS for "ball". No ID. Heavy
QRM. (222 11/15 Rising CA):0957 (343 11/10 Stephany NY)
- 4930 0425 R. Tropical, election nite px (433 11/14 Huffaker MX):4935 (222 11/14
Rising CA)
- 4994 0945 R. Andina de Huancayo, Indian and campesino type mx, TC for "5 hours"
local time (444 11/13 Sable NY):0414* (343 11/14 Huffaker MX)+1
- 5013 0140 R. Eco, election returns (433 11/14 Huffaker MX)
- 5030 0015 R. Los Andes, election nite px (343 11/14 Huffaker MX)(gd 11/13 Parks)
- 5059 0123 R. Amazonas, relig tx. ID "Esta es R. Amazonas..."(242 11/22 Huffaker
MX)(222 11/24 Palmer WA)
- 5112 0234 R. Eco, sx px, possibly futbol game (11/18 Rising CA)(333 Murff NM)+1
- 5320 2350 R. Nueva Acobamba, weak sta w/huaynos, OM DJ under UTE. No ID but this
one rpt by Codina in RIB (vy pr 11/25 Parks FL)
- 5360 0202 R. Vision, election nite special "Paseo a Paseo 1983" w/mx from the
different areas of Peru (454 11/14 Huffaker MX)
- 6009.6 1043 R. America, US pop mx w/a few latin tunes thrown in. At 1100, series
of amnts, electronic sound effects, then ID/px promo as "Noticiarios
En R. America". Quick ID, into mx. Sig strenght improved, but splash
and hets got worse. //9510 booming through (232/322+hets 11/11
Cunningham OH)
- 6098 0247 R. Nacional, OM mx, ID as "RN de Peru", not listed on this freq in the
WRPH. Pips at 0300 (222 11/18 Rising CA)
- 6195 1002 R. Cuzco, missed s/on. OA and andino folk mx w/YL canned IDs (252 11/12
Stephany NY)
- 6272 2310 R. Guayabamba, LA ballads, ID btwn records, wiped out by CW QRM, but
fair otherwise (fr/pr 11/11 Parks FL)
- 6725a 0208 R. Satellite, mensajes, ment of Santa Cruz, couple of "en RS" IDs, into
flutes and traditional OA stuff (fr 11/21 Sheady CA) CA)
- 9486 1013 R. Tacna, px "Buenos dias, Peru", LAM mx, many IDs (232 11/13 Rising
CA)
- 9580 0936 R. Concordia, "Srs. y snrs, muy buenos dias. R. Concordia, LV del Pueblo"
Mostly tx, some snatches of OA mx, heavy fades, weak sig (252 12/6
Jones MS) Jones MS)
- 9655 1120 R. Nor Peruana, folklore mx, ID at 1125 (333 11/25 Mahoney FL)(453 12/7
CA)
- 9675 1154 R. del Pacifico, relig px for the "pueblo Cristiano". ID as "R. del
Pacifico y R. del Pacifico FM" (333 11/13 Rising CA)

SURINAME5006 0157 SRS, EE/Vern/DD, YL DJ w/African mx, ID at 0156 "This is SRS, Suriname"
Heavy RFTY QRM. Thought I read SRS xmitter had been destroyed, must
be using R. Apinte's (pr 11/18 Parks FL)URUGUAY11835 0000 R. El Espectador, ID at 0014, speaking of Argentina (444 11/16 Leite MA)MISSOURI I forgot this one, sorry!PERU 4860 1055 R. Chinchaycocha, s/on. Very nice OA operation, slick ads, with
patriotic song, ments of Chinchaycocha. 1103 "Buenos dias, Peru.
La musica de Peru." into OA vocals (333 11/9 Murff NM)I have to hurry up and finish up this column, because it's finals week at the university
and brother, do I have a lot to study!

VENEZUELA

- 3225 1022 R. Occidente, passing ID, ads, into typical LAM mx (333 11/10 Brenesal FL)
 4770 0145 R. Mundial Bolivar, OM w/futbol game. ID as R. Mundial, but //4782, which is R. Tres Fronteras in Colombia. Some kind of network feed through R. Mundial? (perhaps, even though Tres Fronteras is seldom reported. Did you check any other IV freqs for other //s? Try that next time jc)(222 11/18 Rising CA)
 4780 0130 LV de Carabobo, tx, ID, sx bo (444 11/30 Thompson NM)
 4800 0050 R. Lara, EZL mx, ID at 0100 (433 11/22 Brewer AR)(433 11/17 Lipman NY)
 4840 0202 R. Valera, mx px, fast tx. ID at 0208, het and heavy QRM (222 11/18 Lipman NY) Sable NY)???)
 4870 0410 R. Rumbos, Latino cha-cha mx, ads for records and cassettes (323 11/13
 4900 0120 R. Juventud, rock mx. Best sig ever on a Latin w/MFJ-1045, it was 30 over S9 (544 11/14 Lipman NY) Mendez NJ)
 4960 0132 Ecos del Torbes, lottery, bullfight, sx rx, light QRN (444 11/16
 4970 *0959 R. Rumbos, NA, ID, sked, into SS tx (333 11/13 Rising CA)(Stanley AZ)
 5050 2350 R. Mundial, coverage of baseball game btwn Caracas and Valencia. No score in the 4th inning (343 11/19 Prath FL)(gd 11/7 Parks FL)(Huffaker)
 6180 1045 R. Turismo, LAM mx, many IDs (433 11/26 Prath FL)
 9660 1315 R. Rumbos, LAM mx, chimes and ID (333 11/13 Prath FL)(gd 11/23 Kephart)

I suspect that a few of the above logs may be inaccurate, but I'll leave it up to you to check them out. Please check your logs for accuracy!

UNID

- 2960 0249 UNID LATIN, SS, several mx selections. Really weak, any ideas? (how about a harmonic? jc)(121 11/15 Rising CA)
 6055 0230 R. Rainbow, EE, dialog btwn G/YL on the elderly in "Rainbow Hills", into SS at 0245 (443 12/8 Rieser NR)



NORTH AMERICA

ALASKA

- 6100 0940 KNLS, RR, EE lang lesson (gd 11/25 Ulmer LA)(NFT jc)
 6170 1458 KNLS, IS/ID in EE w/address for QSL cards (where should the people write? Did they give an address for people? hi! jc) PO Box 473, Anchor Point AK 99556, then tx, mx (343 11/25 Zilmer NM)(Lord CA, Miyauchi JF)+6

ANTIGUA

- 6040 0100 DW Relay, EE, "Letter From Berlin" (444 11/28 Dillon PA)+1
 6085 0130 DW Relay, EE, "People and Places" (433 11/18 Krist VA)(454 Traver NV)
 6175 0250 BEC Relay, EE, WS mx, "Review of the British Press" (455 11/11 Hosmer)+2
 9690 0720 DW Relay, GG, carries GG svc 0600-1000 from Antigua (454 11/24 Palmer)
 11775 1305 BEC Relay, EE, WS mx (555 11/20 Prath FL)

BELIZE

- 3285 0322 R. Belize, EE, US pops, at 0330, into a mx/tx px w/interviews. Exc lvl //also exc 834 MW (their MW channel usually puts in a good sig into the East jc)(333 11/26 Cunningham OH)+9

CANADA

- 5960 0400 RGI, EE, "Prime Time Canada" (555 11/13 Dillon PA)(555 11/26 Krist VA)+1
 6005 1339 CFCX, EE, Montreal snowed in (I wish we were snowed in here in Washington, because I love a good blizzard. jc)(gd 11/16 Kephart MI)+3
 6045 1320 CEC, EE, "Voice of the Pioneer" (454 11/27 Krist VA)
 6065 1257 CEC, EE, pop mx, report on the Grey Cup (454 11/28 Bingham MA)
 6070 1517 CFRX Toronto, EE, interview w/Lorne Greene (444 11/20 Drollinger WI)+5
 6120 2330 BEC Relay, EE, "The 1000 Days of John Kennedy" (434 11/25 Cacares NY)
 6130 1132 CHXK Halifax, EE, mx on the death of Junior Samples (333 Drollinger WI)+2
 6160 1116 CKZN, St. John's (good name for a city; I oughta know! jc) mx of seal-hunt underway in NFLD (333 11/14 Drollinger WI)
 6195 0506 CECNEWS, EE, Quebec wx (gd 12/5 Kephart MI)(444 Krist VA)(Drollinger)
 9510 1500 BEC Relay, EE, Newsreel (555 11/20 Fraser MA)
 9515 1700 BEC Relay, EE, "Meridian" (544 11/13 Hosmer MI)
 9590 2300 BEC Relay, EE, world mx (434 11/25 Keenan CA)
 9755 0422 RGI, EE, Mailbag (253 11/14 Leonard ME)(thanks for the card, Mike jc)+2
 11720 2200 CEC, EE, "Cross Country Check In" (544 11/13 Dillon PA)(Lipman NY)
 11850 0105 RGI, EE, "RGI Journal", 0129* (444 11/18 Krist VA)(354 11/23 Bingham)
 11900 2030 RGI, EE/FF, world mx (453 11/13 Keenan CA)
 11940 2320 RGI, SS, mx and features (555 11/24 Talbot WI)
 11945 *2129 RGI, EE, SWLD, 2128* (444 11/12 Krist VA)
 15150 2130 RGI, EE, world mx (454 11/13 Keenan CA)
 15260 1600 BEC Relay, EE, px w/Allistair Cooke (555 11/6 Talbot WI):RGI at 1912 in EE (555 11/24 Talbot WI)

CANADA continued

15290 1800 RCIT, tent, Eskimo/Cree, seemed like an interview. EE ID at 1829
 "This is the Northern Quebec Service of CBC" (333 11/24 Fisher MI)
 15325 1900 RCI, EE, SWLD, 2000* (444 11/13 Johnson CA)(455 11/12 Hosmer MI)
 17820 1308 RCI, EE/FF, tx on Canada's Olympic team (444 11/18 Bingham MA)
 17875 1938 RCI, EE, SWLD (343 11/27 Cadorette MA)

COSTA RICA

4825 1110 R. Columbia, IAm pops, ads, IDs as "Columbia, sigue en el primer lugar"
 (333 11/17 Stanley AZ)(343 11/22 Thunberg PA)(gd 11/30 Kephart MI)(343
 11/27 Ray PA)(432 11/28 Speer CA):0558* (333 11/21 Rising CA)(Bob
 Palmer out in Spokane wrote concerning the R. Periodical log last
 month. He said that R. Reloj 4832 runs a program by the same name, so
 that must have been Reloj. Bob also supplies additional info on Radio
 Columbia. He says it's a very slick, urban-type station. They have a
 pro-Reagan, anti-Communist slant. It's a thinking-man's station
 carrying baseball, mx, and cmnty. He hasn't heard any rock mx (gracias
 a dios). Actual freq is 4824.6, running a possible 50 kw (Palmer WA)
 4832 0622 R. Reloj, lively IAm mx, rx headlines, ads (443 11/14 Thompson CA)+4
 5055 0355 Faro del Caribe, EE, OM w/sked, MA, 0358* (252 11/20 Rising CA)+2
 6006 0740 R. Reloj, pop mx, ID "R. Reloj, Reloj, Reloj..."(323 11/27 Moore TX)+2
 6150 0000 R. Impacto, IDs, pop mx (222 11/23 Hotaling NV)(444 11/13 Robinson TN)+5

CUBA

4765 0415 Mevak Relay, RR, OM ID, then tx, tx, tx (gd 12/3 Kephart MI)
 6090 0140 RHC, EE, "P.O.Box 7026" (444 11/18 Stone OMP)(545 11/26 Abbott IL)+6
 6115 1250 R. Moscow Relay, EE, wld svc, mx, tx, mx (444 11/24 Prath FL)
 6130 1140 R. Moscow Relay, EE, mx by IAm composers (555 11/19 Talbot WI)
 7385 0330 RHC, ID, theme. Those in 40-meter band were 7385, 7425, 7485, all hrd:
 7385 S-9+10, 7425 S-2, 7485 S-3. Ute QRM (433 11/22 Palmer WA)+1
 7425 0510 RHC, YL/OM w/excited tx about "norteamericana", suppose they're talking
 behind our backs? (what's the matter, don't you trust Fidel? jc)
 //7485 (gd 12/3 Kephart MI) ^{WOW! ART WORK!}
 9525 0701 RHC, EE, "PO Box 7026", letters and snide comments (533 11/14
 Thompson CA)(454 12/7 Traver NV)
 9550 1240 RHC, tx on US oil companies (555 11/20 Prath FL)(444 11/20 Lipman NY)
 9730 2230 RHC, IS, mx, tx, //9655 11760 (333 11/19 Prath FL)
 11760 0330 RHC, EE, "Cuba and the World" (444 11/15 Stanley AZ)(Leonard)(Dillon)
 15425 2035 RHC, EE, "Cuba and the World", WRNO QRM (fr-gd 11/11 Famularo NJ)
 15470 1300 RHC, OAS speech, musical IDs, NF? (354 11/18 Hesch NY)
 15525 2254 RHC, EE, mx and propaganda (434 11/11 Lord CA)(544 11/10 Stein NJ)+1
 17690 2039 RHC, //15325, ID, 2042 AA mx (333 11/10 Stein NJ)(544 11/13 Dillon PA)

DOMINICAN REPUBLIC

11700 0157 R. Clarin, trumpets, ID, freqs, 0200* (vg 11/13 Ulmer LA)+4

EL SALVADOR

9552.5 1805 R. Nacional, features on social conditions of workers, bad fading
 (433 11/12 Brenesal FL)(222 11/14 Mendez NJ)(343 11/22 Leite MA)+1
 still nothing from GRENADA this month...keep listening!

GUATEMALA

3360 *1057 LV de Nehuala, suddenly on w/folk tune at 1057 and OM s/on ann, into
 "Amancecer Capine" mx w/lots of marimba! Relg segment at 1045 (422 11/13
 Stephany NY)(tent 454 12/5 MoKeon IN)(343 11/20 Prath FL)
 3370 0130 R. Tezulutlan, piano mx, orch mx, ID, OM tx (454 11/29 Thompson CA)+3
 3380 0200 R. Chortis, OM, IAm mx, ID at 0229, 0231* (252 12/5 MacGibbon OR)+2
 4825 0105 R. Mam, maramba mx, ID, tx, vocals (343 11/30 Thompson MI)
 6090 0310 Union R., EE, 7th Day Adv. radio play (322 11/23 Mahoney FL)

HAITI is back!

4930 0302* 4VEH, FF/Creole, wld mx by OM in FF till 0217, then uncopyable ID and
 into talks by OM in apparent Creole (how can you tell between the two?
 jc). At 0229, nearly nonstop instr Xmas carols till 0259. Then YL ann
 in FF, double pips (one short, one long) at 0300:16, followed by s/off
 as follows "...mesdames, mademoiselles, et messieurs...en langues
 Francais et Creole de la Radio 4VEH en Cap Haitien...dans le band de
 357 metres...Radio 4VEH, Boite Postale numero 1, Cap Haitien, Haiti..."
 then said next mx would be at 5 AM, asked for letters, played NA, and
 off. First logged as UNID 12/1, 1033-1200, w/relg mx, in Creole till
 1100 then FF till 1200. First I've heard 4VEH in a couple years and
 first time ever on 60 meters. Strong, clear sig, must have a new,
 powerful transmitter (444 12/2 Cunningham OH) more on the last page
 of WH!

HAITI more!

4930 (continued) relay of R. Skywave px on MW (relay of 920 MW7 jc), only freqs ment were 188 and 357 meters, heard slogans of 4VEN and "Le SKYWAVE" (555111 12/3 Stephany NY): 0240, relg tx and mx in presumed FF (or Creole), good sig, better than before, I think they did get a new transmitter (gd 12/6 Cereghin MD)(544 12/3 Mahoney FL)(554 12/3 Prath FL)

HONDURAS

3251 0239 R. Luz y Vida, relg mx, TC, ID (I've never seen them pin the meter before (544 11/22 Huffaker MK):0404* (322 11/25 Murff NM)
 4820 0315 LV Evangelica, EE, tx by Billy Graham (444 11/28 Cadorette MA)+2
 4965 0449 R. Landia, BACK!, modern HR folk mx w/OM ann. Several IDs/TC: "Dar la hora centroamericana de R. Landia, a 10 de la hora noche y 52 minutos..." 0500* no NA (242 11/12 Stephany NY)(gd 11/26 Parks FL)(343 11/24 Huffaker MK)(gd 11/24 Cereghin MD):1220 (353 11/15 Mahoney FL)

MEXICO

2390 0047 R. Huayacocotla, many ments of "Mayans" and "campesinos de Mexico". Ex closed 0059, then plug for px by YL 0100, piano mx and s/off. NA to 0107* (211 11/23 Stephany NY):1254 (tent 222 11/23 Rising CA) (222 11/8 Brenesal FL) Mahoney FL)
 6020 1650 XEU de Veracruz, tent, mx magazine, ads, nat'l network px (252 11/20
 6150 1845 XEQM, heard all day, US pops, usual ads, ID (we're as close to Merida as to Chattanooga)(252 11/20 Mahoney FL)
 6115 1715 (out of order) R. Univ de Sonora, potpourri of Mexican and other tunes (444 11/11 Grosvenor CA):2130 (454 12/3 Thompson CA)(433 Rising CA)
 6165 2348 LV de America Latina, ads and mx, phone call (gd 11/26 Ulmer LA)
 9515 1510 XEW, mx headlines, ads for Bohemia beer (353 11/22 Mahoney FL)
 9705 2211 R. Mexico, recorded concert of ballads. ID as "R. Mexico Intl" (322 11/13 Rising CA):0145 (433 11/17 Dillon PA)

NETHERLAND ANTILLES

6165 0259 RN Relay, EE, "SW Feedback" (444 12/2 Ryeder FL)(444 11/25 Krist VA)+3
 9525 0358 TWR, EE, "Radio Bible Class" (454 11/18 Bingham MA)
 9535 0430 TWR, EE, relg px ID 0459 (544 11/17 Lipman NY)(555 11/24 Talbot WI)
 9590 *0230 RN Relay, EE, "Newline" (555 11/11 Hosmer MI)(544 11/11 Polsgrove FL)+1
 9600 0330 RN Relay, SS version of "Happy Station" (555 11/28 Talbot WI)
 9655 0330 TWR, RR (RR? jc) dramatic readings, RR songs (454 12/9 Traver NV)
 9715 0528 RN Relay, EE, "Newline" (353 11/18 Shimada JP)(454 Traver NV)+1
 11890 2217 TWR, SS, relg quotes, mx, QRM/N (444 11/19 Mendez NJ)
 15560 2215 RN Relay, DD, OM tx, off at 2221, back at 2230 (454 11/20 Prath FL)

NICARAGUA

5950 1113 LV de Nicaragua, LAm mx, ID "LV de Nicaragua, una voz libre en America" (444 12/6 Leeman RI)+8
 6120 2238 R. Zinica, ID, TC btwn songs. Killed by BBC (vg 11/26 Ulmer LA)+2

no PIRATES or CLANDESTINES this month, due to lack of space...oh well!


UNITED STATES the highlights

6000 0530 KGEL, RR, comforting tx, ID at 0538, VQA 5995 QRM (gd 11/17 Kephart)
 6065 0430 WYFR, EE, "Open Forum" (454 11/19 Johnson CA)
 6185 0440 WRNO, Radio Barth px (333 11/28 Lieu CA):0529 WOR (444 11/12 Krist VA)+6
 7355 0147 WRNO, EE, rock mx (555 11/26 Abbott IL):gud new freq (555 Krist VA)+2
 9852.5 2158 WYFR, EE, IS, //7355 (433), mx and gospel (544 11/25 Stein NJ)
 15048 1912 KQSB, EE, rock mx, comedy routine. ID as "KQSB International, being to Europe in the 19 meter band." Pirate (I included this one because I wanted to point it out as a pirate. If you hear 'em, you'll know who they are jc)(453 12/4 Jones MS)
 15120 2123 UN R., EE, African mx (ex 11/29 Kephart MI):1830 (434 11/25 McKeon IN)
 15280 2135 KGEL, EE, Billy Graham px from Oklahoma (tried for this sta for 6 months, not good reception in East Nam!)(that's true, I always have trouble with their signal too jc)(333 11/6 Soomare MA)
 15420 1950 WRNO, EE, 3rd quarter of Atlanta-New Orleans football game, ad for Budweiser (11/6 Smallwood W. Berlin)


plus 77 other USA loggings

I'll be leaving for home back up in Charlestown for the holidays, and won't be back in Washington until the middle of January, so I may be unreachable for a while. Well, I've said all I can say this month. I have my pre-Calculus final exam tomorrow and my Chemistry final on Monday, so I'd better s/off and hit the books! See you all later.

73's John



SWBC - EUROPE



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

We are going to have another full six pages of loggings it looks like so we better head headfirst into it.

- ALBANIA Radio Gjirokaster, Radio Tirana
- 5020 0455 RG: Albanian folk songs, terrible QRM, //5057 very wk, 423 (11/28 McKeon-
 5057 0430 RG: Albanian pop & folk mx, //5020, 343 (12/1 Ray-PA), (McKeon-IN) /IN)
 6200 0330 RT: EE nx, ID, Culture in Socialist Albania, 433 (11/13 Dillon-PA)
 7065 *0000 RT: EE "This is R. Tirana," nx on common market, YL w/tlk on Luxembourg
 newspaper, OM w/ feature on Socialism in Alb., 0026*, 454 (11/12 Bingham-
 7070 0005 RT: EE "This is R. Tirana," comtry on Alb. life, mx, comtry on /MA)
 US/USSR missiles, 433 (11/26 Abbott-IL), 0023 555 (12/5 McKeon-IN)
 7072 0000 RT: EE discussion of Engels & Marx, pgm of Alb. WWII Partisan Songs, 544
 (11/27 McKeon-IN)
 7075 0150 RT: SS OM w/typical critique on capitalism apparently, ID @ 0155, aftermx
 interlude, instrumental anthem to 0157*, 343 (11/23 Jones-TX), (Keenan-CA)
 7080 0629 RT: EE IS @ 0629, //9500 (323), 7080 has strong clear signal, discussion
 of development of Albania since liberation from Nazis, 555 (12/1 McKeon-IN)
 7090 *2230 RT: II IS, nx, QRM, 333 (11/25 Prath-FL)
 7120 0230 RT: EE usual tlk on Socialists Albania & its policies, 444 (12/6 VanHorn-
 7300 0330 RT: EE nx, ID, Albanian Calendar, 444 (11/9 Dillon-PA) /TX)
 9480 2200 RT: EE discussion of Alb. writers, //7065-CW QRM, 544 (11/4 McKeon-IN)
 9500 0629 RT: EE YL w/World nx & quoting N.Y. Post, feature on the biggest
 organization in Alb. is the Poineers, YL singing, 444 (11/12 Bingham-MA)
 11960 1230 RT: EE nx about Albania & on anniversary of independence, 333 (11/30
 McKeon-IN)
 11985 *1400 RT: EE ID, nx headlines, talk about liberation, 242 (11/21 Hosmer-MI)
- AUSTRIA Osterreichischer Rundfunk
- 5945 0130 ORF: EE nx, weekly review, "Focus," Mozart's music for pay, 353 (11/12
 Fraser-MG), (Bingham-MA)(Blanchette-FL)(Dillon-PA)(Krist-VA)(Ray-PA)
 6000t 0720 ORF: GG tlk on Austrian workers, no ID faded by 0730, 232 (11/11 Mahoney-
 6155 0830 ORF: EE nx, murder of Austrian Prince, Christmas recipe, tlk about /FL)
 Boys' Choir, 0900 Shortwave Panorama, 544 (11/27 Timofeev-FRG)
 9770 0130 ORF: EE nx on dollar gains on Austrian money market, NATO missile
 placement will have a negative effect says Warsaw Pact on peace, 444
 (11/25 Stiner-NY), (Prath-FL)(VanHorn-TX)
 17770 *1230 ORF: EE Austria Calling by OM, Report from Austria-Sunday Special, Letter
 from Austria on wx, Aust. SW Panorama, mx, 1255*, 544 (11/27 Krist-VA)
- BELGIUM Belgische Radio en Televisie
- 5885 0029 BRT: EE flute mx, OM w/sked, YL nx bulletin, spacelab & Belgium, cultural
 report, Belgium 5th largest consumer of beer in World, per person largest
 beer country, 454 (12/1 Bingham-MA)
 5910 0050 BRT: EE OM announcer, Musicbox & DX Pgm-Radio World, 333 (11/28 Stone-ONT)
 9880 0032 BRT: EE ID, sked, YL w/nx, 333 (11/3 Talbot-ALB)
 9900 2202 BRT: EE Brussels Calling Europe, 232 (11/28 Zilmer-NM)
 11695 1650 BRT: DD IS overriding R. Beijing in VV, s/on @ 1700, YL w/ID, freqs, beam,
 OM w/nx, R.B. keeps on w/ CC from 1700, 422 (11/10 Palmer-WA)
 17595 1700 BRT: DD nx, tlk, mx, 343 (11/28 Zilmer-NM)
 17610 1430 BRT: EE OM 1435 w/ Radio World, very boring nx, Spotlight on V. of Greece,
 544 (11/24 Lipman-NY), (Bingham-MA)
 21460 1450 BRT: FF nx, sports report followed by pop mx, nx @ 1500, new offensive
 against PLO in Lebanon by Syrians, 333 (11/6 Stiner-NY)
 21810 1437 BRT: EE YL Calling Brussels, YL reading letters & answers questions, gave
 address, OM singing, Goodbye from all of us, 252 (11/16 Bingham-MA)

BULGARIA Radio Sofia
7115 0558 RS: Greek IS, ID as "Milai Sofia," then YL w/nx, exc (12/3 Kephart-MI)
9665 2135 RS: EE criticism of western media handling of various items, 343
11/5 Jones-TX)
9700 0010 RS: EE World nx roundup, poor audio, 232 (11/28 Pacetti-CO),(Langlois-GA)
11720 0000 RS: EE IS, ID, times & freqs given, YL w/nx, comtry on deployment of
missles in Europe, tlk on history of the cold war between US & Soviet
Union, 222 (11/27 Stanley-AZ)

CZECHOSLOVAKIA Radio Prague
5930 0300 RP: EE nx, Nikolov, the jewel of Southern Monravia, 555 (11/13 Robinson-
TN),(Polsgrove-FL)(Hosmer-MI)(Talbot-WI)(Bingham-MA)(Dillon-PA)(Palmer-WA)
6054 0639 RP: FF EE country song about Saginaw, Michigan, other NAM pops, ID @
0650, almost fun to listen to!, gd (11/23 Kephart-MI)
6055 2136 RP: EE YL w/ classical mx pgm, ID @ 2139, 433 (11/27 Ray-PA)
7345 *0100 RP: EE ID, times & freqs, nx on 66th Anniv. of 1917 Russian Revolution,
Iran attacks Iraq positions, MX, ID comtry on UN resolution condemning
US actions in Grenada, 444 (11/4 McDowell-IL),(Cubitt-ONT)(Stiner-NY)
9540 0125 RP: EE tlk about Grenada, QRM, 222 (11/24 Prath-FL)
11990 *1500 RP: Czech. OM @ 1500, YL ID & nx, 333 (11/22 Thompson-CA)
15110 1616 RP: EE OM w/ contest questions & into modern instrumental mx, 343 (11/20
Uerlings-OR)

DENMARK Radio Denmark
15165 1400 RD: Danish YL & OM, one song by YL, "This is R. Denmark," 444 (11/14
Robinson-TN); 1559 Danish IS, EE ID, into Danish pgm, 222 (11/13 Ray-PA)

FINLAND Radio Finland
15400 1318 RF: EE OMs talk about disarmament, ID & sked & EE s/off @ 1325 followed
by IS, 353 (11/17 Hosmer-MI) .
15410 1515 RF: EE religious pgming about Bible translated into Finnish, 322 (11/13
Talbot-WI) (Don't tell me that another station may be floating around
in frequency!-djs)
17800 1415 RF: EE pgm on Finnish Magazines, 444 (11/6 Stiner-NY)

FRANCE Radio France International
7135 0415 RFI: EE YL w/freqs, listings for various areas, b/c heavily covered by
male announcer of Radio Moscow, 534 (11/24 Henault-MA)
9790 2148 RFI: FF OM & YL, freq sked, exc quality, frequent IDs in FF, 444 (11/12
Rising-CA); 1930 FF Two OMs (not an interview), station break, back w/
same two voices, mx, lots of tlk, 453 (11/13 Keenan-CA)
15155 1600 RFI: FF nx read by OM, QRM, 333 (11/26 Prath-FL)
15300 1612 RFI: EE Paris Calling Africa, YL&OM w/African nx, Space Shuttle, The
Day in France, 322 (11/28 Stein-NJ); 1604 EE nx, OM tlk on siege of
Tripoli, OM-"You are listening to the nx from RFI in Paris," nx about
French death/Algerian, 444 (11/16 Bingham-MA),(Uerlings-OR)(Prath-FL)
17620 1637 RFI: EE OM saying "You are listening to Paris Calling Africa," followed
by SpotLight on Africa, 353 (11/26 Brewer-AR); 1600 EE Paris Calling
Africa, nx, Made in France, computers in education, 444 (11/25 Fraser-MA)
17775 1711 RFI: FF announced freqs to NAM & Caribbean then carrier suddenly off @
1712!, gd (11/29 Kephart-MI)
17795 1642 RFI: EE & FF OM w/ID, short mx break, OM&YL mailbag, listener asked about
pgm guide, gave address, into FF 1654, 353 (11/17 Bingham-MA)
21620 1608 RFI: EE March mx, Paris Calling Africa, OM&YL announcers French nxpapers,
YL singing, nx of Africa, World nx, SX-Marvin Hagler title, 454 (11/11
Bingham-MA)
21685 1600 RFI: EE Paris Calling Africa, nx, //21620, 21580, 17620, 15300, 17795,
333 (11/19 Prath-FL),1600 EE 555 (11/3 Robinson-TN)
25820 1420 RFI: FF Broadcast of a soccer game, //25900, 244 (11/6 Stiner-NY)

GERMAN DEMOCRATIC REPUBLIC Radio Berlin International
5960 0528 RBI: EE listeners letters read as well as light & easy nx, Spotlight in
Modern Life, 333 (11/19 Leonard-ME)
9560 *2130 RBI: EE nx, comtry on Nato missiles in Europe, lasers in measuring time
& surgery, mailbag, 433 (11/27 Krist-VA); 0330 EE IS, ID, GDR nx, comtry
on the question of nuclear arms, Fine arts in the GDR, Pop Corner, 444
(11/16 Stanley-AZ),(Duncan-NC)
9620 2330 RBI: EE comtry on nuclear arms race, mx, 322 (11/26 Zilmer-NM),(Dillon-PA)
15450 1534 RBI: EE YL & OM w/political propaganda aimed at stopping the arms race &
nukes, song Give Peace a Chance, said to E. & S. Asia during ID, 232
(11/26 Palmer-WA)
17880 1345 RBI: EE tlk about East-West Relations, 443 (11/26 Prath-FL)

21465 *1515 RBI: EE nx, comtry on FRG Government & Peace, Young Innovator Fair in Leipzig, item on housing in the GDR, item on judo, 1558*, 444 (11/24 Krist-VA)
21540 1415 RBI: Hindi IS, nx, comtry, 343 (11/26 Prath-FL)

GERMANY, FEDERAL REPUBLIC OF Radio Liberty, RIAS-Berlin, Süddeutscher Rundfunk, Südwestfunk, Bayerischer Rundfunk, Sender Freies Berlin, Radio Free Europe, DW
3995 0350 DW: GG easy listening mx w/occasional tlk by OM, heavy ARO QRM, 211 (11/5 Jones-TX)
4565LSB 0625 RL: lang chants by OM & occasional Chorus, past 0630 no ID heard, choral chants rose by crescendos on occasion, 0640 chorus dominates, World nx by OM, 242 (11/6 Jones-TX)
5960 *0500 DW: EE nx, Mike on Europe, Germany Today, 333 (11/29 Speer-GA); 0510 EE nx followed by People & Places Magazine, 545 (11/9 Henault-MA)
6005 0654 RIAS: GG ultempo instrument & vocals in EE & GG, QRM de Relej on 6006, ID @ 0700, then nx, fr (11/23 Kephart-MI) (Tom, West Berlin is not a radio country according to the EDXC Country list-djs)
6030 0735 SR: GG Omm-Pah mx, ads, ID @ 0740 by OM-used ISB for this!, 222 (11/11 Mahoney-FL)
6030 2250 Südw: GG rock/jazz pgm w/OM to 2300 TP, chime, ID as Sudfunk 1, & nx, complete ID 2305 in s/off but smashed by BBC IS, 2305*, 333 (11/4 Stephany-NY)
6085 0655 BR: GG rock mx, ID "Hier ist de Bayerischer Rundfunk," 0700 time-tone, OM nx, 433 (11/5 Famularo-NJ), (Stephany-NY)
6085 0108 DW: EE world nx, reports on missile deployment in Europe & situations at European Community, 433 (12/7 Caceres-NY), (Hosmer-MI) (Bingham-MA) Blanchette
6145 0122 DW: EE OM, History of Beer, 323 (11/14 Polsgrove-FL), (Stanley-AZ)
6190 0625 SFB: GG rock mx, TCs, ID & nx @ 0700, QRM Vatican & BBC, 322 (11/5 Soomre-MA), 2220 GG Class GG Opera w/YL host, ID @ 2230, "Hier ist SFB," more mx, TC, IS, nx @ 2300, fr (11/2 Parks-FL)
7285 0225 DW: EE pgm on a model aircraft builder who flies in his aircraft, 323 (11/28 Duncan-NC)
9565 0100 DW: EE IS, ID, W. German & World nx, comtry, Press Review, Germany Today, Spotlight on Modern life, 444 (11/18 Stanley-AZ), (Polsgrove-FL)
15135 1500 DW: EE freq sked, nx, Africa in the German Press, 333 (11/26 Zilmer-NM)
15405 1620 DW: EE Asian Report, 333 (11/26 Prath-FL), (Talbot-WI)
17725 1845 RFE: Bulgarian ID "Tuk e Radio Svoboda Europa," carrier off @ 1900, exc (11/16 Kephart-MI)
17735 1057 RFE: Polish ID, IS once, Chimes follow for 12 Noon, Another IS on horns repeated 4 or 5 times, Polish ID "Mowi Rozglosnia Polska Radia Europa" into nx, hvy QRM from R. Moscow 17730 (Smallwood-W. Berlin 11/5)
17835 1720 RFE: Czech tlk about Czechoslovak-Soviet relations, 21720 off, 444 (11/20 Prath-FL)
17875 *1600 DW: GG nx, comtry on Otto Lamsdorff, "Weltpolitik aktuell" IDs, 454, by 1755 declining to 222 (12/2 Munster-GA)
21665 1700 RFE: Polish tlk by OM & YL, ID "Radia Wolna Europa," 444 (11/20 Prath-FL)
21720 1645 RFE: Czech tlk by OM, often mentioning "Slovenska," 444 (11/20 Prath-FL)
21735 1630 RL: RR tlk by OM, ID "Radio Svoboda," 322 (11/20 Prath-FL)
21745 1515 RFE: Bulgarian US pop mx, tlk about group "Culture Club," ID by YL as "Tuk e Radio Svobodna Europa," 343 (11/20 Prath-FL)

GREECE Voice of Greece, Voice of America relay
5955 0619 VOA: Polish YL tlk "The following b/c is in Polish" in EE, then mx pgm w/ "Hotel California," & "Okee from Muskogee"!, fr (11/23 Kephart-MI)
9420M 0100 VOG: Greek & EE lots of Greek tlk & traditional mx to 0130, nx in EE regarding Turkish Cypress Republic, 444 (11/17 Card-RI), (Hotaling-NV)
9460 1400 VOG: Greek tlk, mx, freqs announced at s/off 1449, //9420, 333 (11/25 Zilmer-NM), (Ray-PA)
9865 0129 VOG: EE mx, stringed instruments, OM w/nx on Cyprus, new budget for 1984 made public, earthquake in Indian Ocean, "That's the end of the nx, thanks for listening," 454 (12/1 Bingham-MA), (Cadorette-MA) (VanHorn-TX)
11645 1540 VOG: EE nx about Cyprus, 454 (11/19 MacGibbon-OR), (Hosmer-MI) (Palmer-WA)
15205M 1400 VOA: EE 15 minutes on nx, 45 minutes of Jazz, 333 (11/11 Card-RI)
17565 1540 VOG: EE folk mx, ID & nx by YL, new freq?, 444 (11/12 Prath-FL)

HUNGARY Radio Budapest
6025 2110 RB: EE DX pgm w/DX tips, //7220, vary gd signal, 433 (11/25 Prath-FL)
7220 *2100 RB: EE IS, s/on in EE w/nx, 333 (11/25 Prath-FL)
9835 *0200 RB: EE "This is R. Budapest, Hungary," International nxroom, nx, comtry on NATO missiles in Europe, biotechnical industry, 353 (11/22 Krist-VA)

ICELAND Iceland State Broadcast Service Ríkisútvarpið
13797 1827 ISBS: Icelandic nx by OM, wx report, IS & ID @ 1900, clock bell IS, 444 (11/5 Soomre-MA), 1902 tent. Icelandic?, OM & YL w/long tlk, very wk, QRN, USB, gone by 1920, 131 (11/20 Rising-GA), (Smallwood-W. Berlin)

ITALY Radiotelevisione Italiana
5970 0100 RAI: EE usual nx by YL with easy listening mx @ end, 5970 is a new freq replacing 11800, //9575, 343 w/BBC splatter (11/26 Fraser-MA), (Krist-VA)
7175 0506 RAI: II ID w/ "Bon Giorno" by YL, lite mx, talk interviews, 232 (11/10 Mahoney-FL)
9575 0100 RAI: EE nx, ID, cultural items (exhibits) mx, 443 (11/21 Fisher-NM); 0100 EE IS, nx, comtry by YL, 444 (11/24 Prath-FL), (Bingham-MA) (Gubitt-ONT)
11800 0100 RAI: EE General Donnati is in Greece, Italians participate w/Greeks in Naval exercises, 444 (11/4 Stiner-NY)
21695 1355 RAI: II IS followed @ 1400 w/ s/on to Canada by YL, continuing w/ apparently world nx, station left the air @ 1443, 444 (11/13 Brewer-AR)

LUXEMBOURG Radio Luxembourg
6090 0005 RL: EE Good mix of US & Euro pop mx, many IDs and corny OM DJ makes awful jokes between records, 322 (11/7 Drollinger-WI), (Bingham-MA), (Lipman-NY) How many think this station is worst than R. Tirana?-djs
15350 1645 RL: FF DJ type pgm from live location, not studio, 333 (11/6 Talbot-WI)

MALTA Radio Mediterrean, Deutsche Welle relay
6110 2315 RM: EE sports, nx bulletin, s/off 2325, NA, open carrier, off 2326, 544 (11/29 Lipman-NY)
11865 0100 DW: EE Helmut Kohl will make a trip to Japan, 444 (11/4 Stiner-NY)

MONACO Trans World Radio
9493 0830 TWR: EE religious pgm, ID @ 0843, more OM rel tlk, 222 (11/7 Lipman-NY)
9775 1300 TWR: SS ID in EE "You are tuned to Monte Carlo," followed by rel pgm in SS, 343 (11/11 Fraser-MA)
11655 1505 TWR: RR IS, ID in EE then into RR religious pgm, 242 (11/20 Zilmer-NM)

NETHERLANDS Radio Nederland
9540 0315 RN: EE Happy Station pgm, Tom Meyer, mailcall of old mail, reminder that postal strike in Holland was still on, 322 (11/28 Talbot-WI)
17605 1800 RN: AA Arab & Spanish mx, ID, address given in AA & FF, into FF @ 1830, 444 (11/8 Dillon-PA)

NORWAY Radio Norway International
9525 2205 RNI: EE Norway-Turkey relations reported & discussed on Norway Today, religious pgm followed in Norwegian, 333 (11/6 D'Angelo-PA), (Fraser-MA)
9670 0315 RNI: Norwegian YL & OM w/tlks, ID in EE by-OM @ 0322, continued as before, 333 (11/22 Palmer-MA)
11860 1659 RNI: Norwegian IS, ID in EE, nx format in Norw. lang, 333 (11/29 VanHorn-25615 1300 RNI: EE Norwegian Jazz Federation, Sammi lang course, 554 (11/6 /TX) Blanchette-FL)

POLAND Radio Polonia
5995 2159 RP: FF IS heard under severe QRM, s/on in FF w/nx, //7125&7270, 222 (11/25 Prath-FL)
6095 0300 RP: EE IS, nx, comtry, QRM, 322 (11/24 Prath-FL)
6135 2240 RP: EE mailbag pgm, //7125 better, 232 (11/25 Prath-FL)
7125 2130 RP: GG tlk about European arms race, 433 (11/25 Prath-FL)
9525 *0200 RP: EE ID, nx, mailbag pgm, classical mx, 232 (11/12 Ray-PA)

PORTUGAL Radio Portugal, Adventist World Radio, Radio Renascenca
6060 *0300 RP: EE This is R. Portugal Broadcasting from Lisbon, nx summary of weeks events in Portugal, "We will continue our pgm with a selection of mx" by YL, 0330*, 444 (11/13 Krist-VA), (Bingham-MA) (Dillon-PA)
6075 0030 RP: PP lead signal, PP anthem ID, PP YL, FF mx to Canada, 333 (11/12 Langlois-GA), (McKeon-IN) (Speer-CA)
9670 0903 AWR: EE DX pgm, severe QRM from Brazilian, DX tips & features, into rel. pgm @ 0915, 222 (11/6 D'Angelo-PA)
9680 1707 RR: PP OM w/nx or talk in PP, 222 (11/20 Uerlings-OR)
11925 0303 RP: EE nx about Portugal in brief by YL, in detail @ 0304, really coming in well hear, 544 (11/27 Lipman-NY), (Stanley-AZ)
15250 1825 RP: EE YL announcer telling about Portuguese history (events in the reign of King Pedro), OM w/ID 1830, went to FF 1831, 222 (11/24 Palmer-WA)

ROMANIA Radio Bucharest

5990 0200 RB: EE IS, s/on w/ news, QRM de VOA 5995, 433 (11/24 Prath-FL)

7195 2050 RB: FF tlk about arms race, ID "Ici Bucharest, EE @ 2100, 444 (11/25 Prath-FL)

9510 0400 RB: EE nx, mx break, Seven Day Panorama, OM & YL, slight QRM de 9515, frequent ID, fading @ 0420 to 222, 333 (11/7 Hull-WA), (Leonard-ME)

9570 0230 RB: EE Romanian folk mx pgm, 333 (11/24 Prath-FL)

11940 *1300 RB: EE ID, nx by OM, 222 (11/14 Hosmer-MI)

SPAIN Radio Exterior de España

9360 0115 REE: SS tlk about Latin America, 444 (11/24 Prath-FL)

9630 0135 REE: EE OM & YL w/ nx & comtry, 544 (11/30 Duncan-NC), (Sable-NY)(Talbot-ALB)

9650 0715 REE: SS ID @ 0715, OM w/ rapid tlk, //11730 (444), 333 (11/13 Miyauchi-
/Japan)

9765 *2000 REE: EE This is Spanish Foreign Radio & now the nx, Sports Roundup, Getting to know Spain-human interest-culture pgm, mx, 2029*, 343 (11/12 Krist-VA)

11880 0030 REE: EE nx, sports, Getting to Know Spain feature about Don Quixote, 322 (11/20 Talbot-WI), (Dillon-PA)(Van Horn-TX)(Bingham-MA)(Stanley-AZ)

15375 2040 REE: EE Press Review, wx, YL station ID from Madrid, OM w/ Pgm in Spain, end of Panorama, folk mx from Province of Madrid, guitar mx, SS nx, 444 (11/8 Bingham-MA)

17660 1838 REE: SS phonein pgm, Q&A About current events, "Formalmente Informal," 433 (11/10 Stiner-NJ)

SWEDEN Radio Sweden International

9695 0235 RSI: EE nx about US missiles in Europe, 344 (11/25 Liew-CA), (Hesch-NY)

11708 2300 RSI: EE nx, public affairs, 424 (11/3 Cubitt-ONT)

11710 2307 RSI: EE nx of Sweden in progress, ID @ 2314 as OM continues w/ story of three Canadian Indians visiting Sweden, 333 (11/11 Brewer-AR), (Langlois-GA)

17860 1410 RSI: EE Weekday Tuesday pgm with segment of Sweden Calling DXers till 1427, address & IS followed by Swedish b/c at 1430, 333 (11/15 Hosmer-MI)

21615 1505 RSI: FF two radio personalities answered letters from auditors, teenage boy asked what leisure activities Swedes had, 444 (11/6 Stiner-NY)

SWITZERLAND Swiss Radio International, United Nations Radio

3985 1815 SRI: EE replies to listeners' questions regarding DXing, report on Sony ICF-2002 receiver, continues in GG @ 1845, 544 (11/26 Timofeev-FRG)

6135 0158 SRI: EE tlk on Astronomy & radio also read letter on radio production, 433 (11/4 Lutsky-QUE), (Cubitt-ONT)(Krist-VA)(Stanley-AZ)

9560 0704 SRI: EE nx about Switzerland, Swiss folk mx, 444 (12/4 Van Horn-TX)

9725 *0144 SRI: EE "This is SRI" by YL, TC, nx, Roundabout w/ look at North region of Switzerland, 444 (11/14 Krist-VA), (Talbot-ALB)(Bingham-MA)

11715 0145 SRI: EE IS, ID, OM w/Swiss & world nx, Dateline Monday pgm, 222 (11/21 Stanley-AZ)

14500 *1820 UN: FF & RR IS of chimes & FF/RR ID by OMs every minute til RR nx @ 1830 ended 1841 w/lnng version of IS to 1842*, 412 (11/11 Stephary-NY)

21520 1530 SRI: EE nx, comtry, Swiss nx, 444 (11/25 Prath-FL)

21570 1555 SRI: EE Dateline Friday SRI, OM w/tlk long term energy supplies in Swill, nx-TB & Malaria on the increase, temp Oc, Have a good week!, 434 (11/18 Bingham-MA)

U.S.S.R. Radio Riga, Ufa, Radio Moscow, Radio Kiev, Radio Station Peace & Progress

Latvian SSR

5935 2020 RR: Swed, s/on, nx, Swedish folk mx, into Latvian @ 2050, QRM Prague 5930, 323 (11/5 Soomre-MA)

RSFSR-European

4485 0500 Ufa: RR OM telling a story w/ mx (good b/c), 0545 news pgm w/YL & OM, loud & clear, 35334 (11/22 Keenan-CA)

Unknown Sites

4940 2359 unid: RR after Abidjan s/off: short organ, ID OM&YL "R. Izvestiya?", pr (11/20 Ulmer-LA)

6110 0150 RM: EE Russian rock mx, ID, IS, nx, comtry on arms race, Moscow Mailbag, 433 (11/28 Dillon-PA)

7100 0215 RM: EE nx then answers to letters, answers are regarding major issues and hence are interesting, into comtry on US slanders of USSR, 555 (11/5 Davies-PA), (Henault-MA)(Prath-FL)(Lipman-NY)(Lutsky-QUE)

7165 0722 RM: EE World comtry, YL announcer on Andropov's response to American missiles, 233 (11/27 Duncan-NC), (Cadorette-MA)

7205 0030 RK: EE nx, Andropov's statement on Reagan's "Militaristic course," 343 (11/26 Fraser-MA)

7260 0100 RM: SS IS, Kremlin chimes, //7135, 7230, 7360, 433 (11/19 Prath-FL)

7440 0340 RM: EE Posner & the YL announcer going over the ramifications of the YALTA Conference for someone who had written in, //7100, 7115, 7150, 7165, 7260, 6115, 333 (11/7 Palmer-WA) Bob believes the transmitter site is in the immediate Moscow area, or it could be Krasnoyarsk. The UHN has no listing for it.

9545 1830 RM: lang $\frac{1}{2}$ hour pgm of what sounded like classical mx, fading, lang possibly Polish, 433 (11/13 Biron-NH)

9625 1000 RSP&P: CC IS, ID, tlk by OM & YL, fr (11/25 Ulmer-IA)

11860 1745 RM: EE songs of song contest winners played, ID, nx @ 1800, 444 (11/27 Ray-PA) This freq. is from Moscow 2200-0400-djs

11890 1830 RM: EE ID, OM, mx, listener requests, 444 (11/12 Langlois-GA) This freq. is from Nikolayev 2200-0400-djs

12010 2030 RM: EE harangue against U.S. actions in Caribbean & Cent. Am, 444 (11/11 Lord-GA) This freq is from Ulyanovsk 2200-0400-djs

12070 0658 unid: RR rock mx, 6 pips, TC, organ & CW effects, ID contains "Izvestiya," so maybe all nx?, fr-pr (11/26 Ulmer-IA)

15435 1350 RM: EE pgm of regional folk mx, //15455 better, 323 (11/12 Duncan-NC)

15455 2330 RM: EE nx, Life in the USSR, contry against US Missiles, answered question about religion in the USSR, 333 (12/5 Abbott-IL),(Biron-NH)(Prath-FL)

15465 1500 RM: EE nx, very slanted to their point of view, 333 (11/13 Talbot-WI) This freq is from Nikolayev 2200-0400-djs

15550 1430 RM: SS IS, nx, RR mx, 444 (11/19 Prath-FL)

17810 1440 RM: EE RR folk mx pgm, //17880, 343 (11/26 Prath-FL)

17880 1407 RM: EE OM reading the nx, 333 (11/12 Duncan-NC)

21590 1415 RM: EE contry on US occupation of Grenada, 233 (11/12 Duncan-NC)

UNITED KINGDOM

British Broadcasting Corporation, Voice of America relay

3955 0205 BBC: EE world nx w/report about how Cuba says the USA have told lies-"19 to be exact," 222 (11/15 Leonard-ME)

3975 0425 BBC: Turkish/Bulgarian OM w/nx, mentions of Reagan & Andropov, BBC ID, Turkish to 0430 then Bulgarian, gd (12/3 Kephart-MI),(McKeon-IN)(Leonard-ME)

5975 0538 BBC: EE conclusion of New Ideas followed by Book Choice, 322 (11/19 Leonard-ME),(Dillon-PA)

6110 0030 BBC: EE ID, OM, Edwin Morgan on poets, 444 (11/8 Langlois-GA)

7325 2300 BBC: EE nx on Andrew Lodge, Commonwealth wants dialogue between Washington & Moscow, cruise missiles at Sicily, Russians pulled out of Geneva talks, 555 (11/27 Black-NH)

9915 0400 BBC: EE world svce nx, OM w/lead off stories on situation in Lebanon, Syrian armed forces callup & Grenada mass graves finds, 434 (11/8 Henault-MA)

15070 1758 BBC: EE Sports Roundup, Newsdesk, Quote-Unquote pgm, pgm about a composer @ 1900, 555 (11/13 Krist-VA),(Hosmer-MI)

15205M 1500 VOA: EE nx pgm by many announcers, 444 (11/11 Card-RI)

17705 1550 BBC: EE OM nx, pgm rundown, TC & more nx, 242 (11/14 Thompson-GA)

18080 1741 BBC: EE world svce pgming, much ute QRM, gd (11/29 Kephart-MI),(Prath-FL)

21710 1415 BBC: EE Letterbox w/YL & OM, letter asked about London Calling, gave address, mx by cocktail twins & sisters of mercy (what?), 454 (11/18 Bingham-MA)

VATICAN CITY STATE

Vatican Radio

6015 0030 VR: FF & EE singing in Latin, YL Ceremonies for the Dead, poetry read, "Don't let your hearts be troubled," 555 (11/17 Robinson-TN),(Polsgrove-FL)

9605 0024 VR: SS s/off in SS to Latin Am, back @ 0030 in FF, 444 (11/17 Prath-FL)

9625 0717 VR: Mass in Latin pgm, //15120 (333), 232 (11/13 Miyauchi-Japan)

9645 2000 VR: EE religious nx for 2 minutes then into lang Esperanto?, 343 (11/30 Zilmer-NM)

11845 0050 VR: EE Sunday Mass & Blessing, 500th Anniversary of Martin Luther, biography of Michael Scott, 444 (11/7 Dillon-PA),(Cubitt-ONT)

15405 *1400 VR: SS IS, s/on with nx to Latin Am, //21725, 544 (11/13 Prath-FL)

YUGOSLOVIA

Radio Yugoslavia

15240 1530 RY: EE nx on Arafat says he will stay in Tripoli, Japanese & American officials meet at UN on hunger, 111 (11/12 Stiner-NY)

UNKNOWN STATIONS

15045USB 1545 Slavic lang, 2 or more Slavic tlk pgms simultaneously, w/ jammer 'GI', off at 1551 check, gd (11/5 Ulmer-IA)

It turns out that we do have a little space left. Thank you for your support during the last three months of 1983, I hope that you all have a good year in 1984.

73's *Tami*



SHORT WAVE

AFRICA



MARK KOUKOL P.O. Box 321 DeKalb, IL 60115

Happy 1984 to all! May the new year bring loggings of Comoros, Sao Tome, and Guinea-Bissau to your Africa totals, and QSLs from Central African Republic and Equatorial Guinea to grace your collection...More excellent loggings this month to report, thanks to your continued support. Before I get started, a hearty welcome to our new A/O editor Bob Thunberg--please bombard him with your logs!

ALGERIA

- 9640 1959 R. Algiers; FF pgm ending, into time pips & EE opening at 2000 w/OM "You are listening to the International Svc of R. Algiers", into nx, poor(11/10 Morgan-NC) vy good, but low audio mod--nx by YL, 422(11/28 Lipman-NY) EE world nx 2001, //17745 not noted, fair(11/11 Famularo-NJ)(12/4 Sharp-FL)
- 17745 2002 R. Algiers; EE wrld nx by OM to 2015, ID, request pgm w/ wide variety of mx & listener's ltrs("Nora's Request Show"), closing anmts @2028, into SS, 333(11/7 Ray-PA) lots of splatter de 17740, 422(11/27 Pimblett-AB)(11/27 McKeon-IN)

ANGOLA

- 11955t 0502 R. Nac. de Angola; continuous tx by PP OM, w/ments. of "National" and brief xylophone mx, into pres. vernacular, 222 (12/4 Sharp-FL)

ASCENSION IS.

- 6005 0359 BBC Relay; EE ID as "BBC Atlantic Relay", 434(11/28 Cadorette-MA) @2200 in EE w/nx, 333(11/14 Krist-VA)
- 11750 0102 BBC Relay; EE "Jolly Good Show" mx pgm, 555(11/16 Krist-VA)
- 15105 1635 BBC Relay; EE tlk on African sleeping sickness, 353(11/24 Welch-MA) 311(11/24 Lipman-NY)
- 21710 1645 BBC Relay; "The World Today", @1709 spec. pgm for Africa, this freq Ascen. 1615-1745 D83, 343(11/9 Palmer-WA)

BENIN

- 4870 2200 ORTB; FF, OM tlk on influences on Benin mx, YL ID "Ici la Voix de la Revolution Beninoise..", 434(12/3 Sable-NY) NA & s/off 2300, UT QRM, 343(11/13 Jones-TX) @0550 w/NAM pop mx w/FF OM DJ, FF ID 0601, then long vern. speech, gd(12/5 Kephart-MI) 433(12/1 Sharp-FL)
- 5025 0507 ORTB Parakou; nx by FF OM, then "Ici Parakou" & into lcl chants & hi-life to past 0515, 333(11/28 Sharp-FL)

BOTSWANA

- 4848 0412 R. Botswana; EE w/ads, ID "This is R. Botswana, the stn of the people", more ads, 222(11/28 Pimblett-AB)(Congrats on new ctry, OM--MK) 4845 w/cowbell IS to 0355, then hymn or NA, vern. ID, into prayer & nx, //3356 hrd but vy weak, 333 (12/1 Sharp-FL)

Per BBCMS, now using 50 kW on shortwave w/new antennas--MK

BURUNDI

- 15200 0706 LV de la Revolution; FF nx by OM w/several clear ments. of Burundi, mixing as usual w/vy strong co-channel ANO Gabon, 222(12/3 Sharp-FL)

CAMEROON

- 4000 2100 R. Bafoussam; EE, ID for Nat. Svc by OM & nx in EE to 2117, hvy ARO QRM, poor(11/23 Welch-MA)
- 4795 2035 R. Douala; class. mx, FF OM ID, 2100 EE OM nx, good but hvy QRN, fair(11/28 Famularo-NJ) @2105 EE nx to 2112, then sports, Afro mx @2116, 353(11/13 D'Angelo-PA)
- 4850 2100 R. Yaounde; EE, OM reads pers. messages, mx, weird inst. IS, then ID & nx, 333(12/3 Sable-NY) EE nx to 2116 then FF tlk by YL, //9745(333), 252(11/13 D'Angelo-PA) @2325 w/slow Afro songs, OM in FF, 222(11/20 Prath-FL) @0621 end of Qu'-ran recit. by OM, then FF/EE ID & into lcl mx, 343(12/3 Sharp-FL)
- 5010 0424 R. Garoua; tone, IS @:25, IDs in alt. EE/FF till 0430 NA, morning prayers to 0445, fr-pr(11/12 Ulmer-LA) *0429 w/ID "This is R. Garoua, provincial stn of R. Cameroon" in EE/FF/EE, NA, 343(11/12 D'Angelo-PA) @0524 African drums & singing, nx 0533 in EE w/QRM de *@#!neighbor's fluorescent lites, into FF @0547, fr(11/23 Kephart-MI)(Rising-CA)
- 9745 2114 R. Cameroon; EE nx headlines, several EE/FF IDs, into FF, 333(11/13 Ulmer-LA) FF pgm on indig. mx by OM ancr, ID @2157, then US country tune, 353(11/13 Jones-TX) @2126 in FF w/nice piano mx but no pos. ID, QRN, 242(11/12 Rising-CA)

CENTRAL AFRICAN REP.

- 5035 2130 R. Centrafrigue; FF w/OM tlk, OM/YL @2145, ID 2158 & into vocal mx, 353(12/2 Welch-MA) @0452 in FF w/OM tx to 0459, then ID & pres. nx, 322(12/2 Sharp-FL)

CHAD

- 5286 0500 R. Moundou; test tone to 0505, then brief NA & YL ID "Ici Moundou..Rdf..Tchadienne", then ruined by UT, 322/311(12/4 Sharp-FL) on 5289.2; @0506 hrd using ECSS, lcl mx, FF OM ments. N'djamena & Moundou several times btwn mx to 0555 f/o, 252(11/18 Hosmer-MI)

Now using just 2.5 kW per recent QSL rcvd by ye ed--MK

COMOROS

- 3330t 0300 R. Comoro; AA, tx by OM & Koran recit. under CHU, gone by 0310, poor(11/26 Sharp-FL) Seems to fit, OM--hrd again lately? CHU takes it all here; keep on it!--MK

CONGO

- 9714.8 0457 RTVC; tent., FF, Afro mx pgm w/OM host, bad QRM de RN relay, tried again 11/23 & hrd same pgm, no ID hrd due to my poor FF! 232(11/20 Miyauchi-Japan)
- 15190t 2130 RTVC; faint tx by FF OM noted under WINE splatter, too weak for ID, 31m //freq not audible, 222(12/2 Sharp-FL) tent. @1700 in FF w/YL/OM ann., Afro mx, 333(11/28 Cook-CA)

DJIBOUTI

- 4780 0322 R. Djibouti; Somali?, native vocals, ID @0330, more mx, ID & nx @0345, strong, 333(11/14 Mahoney-FL) @0320 w/OM ancr in pres. Somali, distinctive slow-tempo mx w/strings & drums, OM tx 0346-0352 f/out, 332+--only date Carabobo not here, finally!(11/14 Koukol-IL) @0300, brief NA to 0301, OM ID, into lcl mx, 322(11/28 Sharp-FL)

EGYPT

- 9475 2045 R. Cairo; AA, AA mx, "min al-Qahira", chimes & nx @2100, 322(11/18 Dillon-PA) *0200 w/BE pgms to NA, YL nx & features, 343-555(11/13-12/6, 6 rpters)
- 9805 2243 R. Cairo; EE, hrd signing off w/NA, Euro. svc, 332(11/19 Prath-FL)
- 15370 0210 R. Cairo; EE, surprised to find them here so good, @0215 ancd 15370//9475 to NA 0200-0330, by 0315 this freq gone & only 9475 left, 333(11/7 Palmer-WA)
- 17675 1830 R. Cairo; AA, ID, nx, tlk on Lebanon, 433(11/7 Dillon-PA)
- 17745 1350 R. Cairo; AA V.O. the Arabs pgm w/AA mx chants, ID, 443 (11/26 Prath-FL)

EQUATORIAL GUINEA

- 4925 2149 R. Bata; SS, OM DJ w/SS pops, hi-life mx, full ID, NA at 2206*, fair(11/15 Parks-FL) 2134 tuned in to probable s/off ancmts, then NA 2138*--Bata? 252(11/13 D'Angelo-PA)
- 5005t 0415 R. Bata; lang., mx to 0429 tx & NA, poor(11/22 Ulmer-LA) Watch for SRS Surinam on 5005.5, here 0810-0540 per WBI-MK

6250 2157 R. Malabo; SS, pres. nx by OM, then mx to 2200, ancmts & sked, NA & off by 2203, 333(12/4 Sharp-FL)

ETHIOPIA

7110t *0329 VORE; Amharic?, flute IS, martial NA, ID type ancmt by OM followed by nx, ARO QRM, western style mx pgm, 0345 tent. ID, s/off 0400, 322(11/10 Baker-DE)

GABON

4777t 2210 RTVG; FF OM DJ w/hi-life mx, no ID noted, RTTY QRM, this freq seldom used of late, poor(11/11 Parks-FL)

4810 2248 Africa #1; FF, FF pop mx, OM tlking w/crowd--where they they were from & who they are, etc.--laughing & more mx, 444(11/29 Johnson-IL)(+3) @0500 to past 0649 in FF, // 11940, 332-555(11/14-12/3, 8 rpters)

11940 1700 Africa #1; big signal w/FF & Afro/rock mx to 2255*(11/12-11/29, 5 rpters)

15200 0835 Africa #1; FF w/song "I've got Cocaine Running Around my Brain", 343(11/25 McKeon-IN)

GHANA

4915 2146 GBC; lang., relig. svc & preaching, s/off 2206 w/ID & NA, 252(11/13 D'Angelo-PA) @0601 w/EE lcl nx about Ghana, bad QRN, 323(11/14 Van Horn-TX) ID at 0617, bcst in vern.? at 0617, 444(12/2 McKeon-IN) 333(12/4 Sharp-FL)

GUINEA

15310 1817 LV de la Revolution; EE, native mx selections & pol. tlk by OM, many IDs, fair(11/13 Morgan-NC) same, nx @1855 then into FF @1900, 222(11/27 Pimblett-AB) EE 1800-1900, nx & "Sunday Magazine" pgm of mx & pol. tlks, IDs as "This is LVde la Rev., bcstng from Conakry in West Africa", 444(11/27 Sharp-FL)(Evans-TN) also FF 2000-after 0000, 333-444 (11/11-12/2, 5 rpters)

IVORY COAST

4940 2331 RTVI; FF, lcl & popular mx to 2353 nx, 2358 s/off ancmts & pres. NA to 0000*, 343(11/21 Hosmer-MI)(+6) @0700 w/FF OM ancr & rock mx, bad QRN, 232(12/1 Thompson-GA)

7215 0738 RTVI; FF, Afro pop mx, nx at 0758, ID 1800, 444(12/4 McKeon)

11920 2012 RTVI; FF, ments. Cote d'Ivoire & gd mx, would be great if not overmod., fair(11/4 Ulmer-LA) @0646 FF w/hi-life mx & OM ancr, not hrd here in a while, 232(11/14 Thompson-GA)

KENYA

4915t 2105 VOK; pgm in an African lang., lcl mx, 2115*, tent. as WRTH shows 2110* on Sat. only, 232(11/26 Schulsinger-OH)

4934 0332 VOK; Somali?, brief tx by OM & into mx similar to Somalian, 0400 fanfare, OM ID, into pres. nx, 333(12/4 Sharp-FL)

LESOTHO

4800 0403 R. Lesotho; Sesotho, nx pres., ad @0408 w/jingle, mx alt. rock/native(the latter's great), bad RTTY but no R. Lara, 422(11/9 Brenesal-FL) @0418 w/clear EE tlk by OM abt Namibia & RSA, some QRM de UT on hi side, 433(12/1 Sharp-FL) Probably new EE nx pgm as ment. in Nov. SPEEDX-MK

9515 0356 BBC Relay; bow bells IS, 0359 ID as Atlantic relay on 7105 & 6005, into EE WS at 0400; no ment. of 9515 & I assume Lesotho relay is fed direct from Ascension(yes, Don, they relay normal Ascension bcsts, not SSB UK feeds-MK), 322 (11/24 Hosmer-MI)

LIBERIA

3255 2152 ELBC; EE, tx by accented OM over pop mx, lcl TC & ID as "LBS, Monrovia", then into OM nx, 332(12/3 Sharp-FL) @0511 in vern. w/long Afro inst. mx, vy little tlk, 232(11/28 Pimblett-AB) 252(11/15 Kenan-CA)

4765 0715 ELWA; EE, children singing relig. Christmas song, 433(12/3 McKeon-IN) Tent. w/relig. mx & EE sermon @0640, 323(11/14 Van Horn-TX) @0705 w/relay of BBC nx, 333(12/3 Uerlings-OR)

6090 0835 ELBC; EE relig. pgm w/OM ancr, 333(11/27 McKeon-IN)

11940 0623 ELWA; AA, IS & ID in several langs incl. EE-FF-AA, then OM/YL in AA, 344(11/27 McKeon-IN) 222(11/13 Miyauchi-Japan)

LIBYA

71816 2030 SPLAJBC/R. Jamahiriya; AA "Voice of the Great Homeland" pgm, mx w/mail call, nx 2100, TC 2115, tlk on Lebanon, 322

(11/4 Dillon-PA)(not under cland. OM as I assume this is reg. AA ES as per WRTH-MK) EE pgms 2215-2350, usual prop. & mx, 333-555(11/6-11/23, 6 rpters)

15415 1115 SPLAJBC; AA radioplay, 555(11/16 Boderhagen-FRG)

17930 1621 SPLAJBC; AA tx by OM w/ments. of Qaddafi & some nice AA mx, dual path reception noted, 454(12/4 Sharp-FL)

MADAGASCAR

11740 *1830 RN Relay; EE nx & "Media Network", 332(11/24 Speer-CA) *2030-2124* EE, //17605(Bonaire), 443(11/17 Hosmer-MI)

21480 1450 RN Relay; EE OM nx, interview w/Jimmy Cliff, 232(11/25 Ray)

MALI

4783t 2147 RN du Mali; FF, cont. Afro mx, no ID but // to better 5995 (333), 232(11/26 Sharp-FL)

7110t 0600 RN du Mali; FF w/trad. Afro mx, ID 0606 w/ment. of Mali, 545(11/28 McKeon-IN) Recent sked shows 7110 1200-1800 & Sun. only 0700-1800--MK

MAURITANIA

4845 2340 RN du Mauritanie; AA, mid-east type mx but almost western beat, always strong here, 433(11/7 Brenesal-FL) @2140 w/ slow Koran recit., some accomp. by guitar, 333(12/3 Sharp-FL) 322(11/20 Prath-FL) 433(12/4 McKeon-IN)

MAURITIUS

9710 1019 MBC; FF tx by OM w/several ments. of "MBC" & "Maurice", then tx by YL, no mx hrd, undermod., 232(12/3 Sharp-FL) Would love to log this as Christmas present-MK

MOROCCO

15305 *1929 UN Radio(relay); EE, ID & target areas by YL, into "Week at the UN" by OM, gone by 1945, 252(11/11 Stephany-NY)

15335 1635 RFWM; AA w/sports nx & mx, 555(11/13 Boderhagen-FRG)

15360 1645 RFWM; AA OM w/tx & mx, no ID but //17595, 15335 per WRTH, 333(11/13 Rising-CA)

MOZAMBIQUE

3368t 0327 Em. Prov. Sofala; PP, nxcast opening w/trumpets, ments. of "Mocambique" & "Beira" by OM but no ID noted, f/o by 0345, poor(11/17 Parks-FL) Nice log, OM! Hope you nail them-MK

NAMIBIA

3270 0230 R. SWA; lang., mix of mx from Mozart to "Oh What a Beautiful Morning" in EE, 322(11/6 Talbot-WI) Hi Larry!

3295 0357 R. SWA; Afrikaans, pop mx, rooster crow @0400 then nx, 333(11/28 Pimblett-AR)

4965t 2120 R. SWA; GG anemts by OM & into Afk., no ID noted & QRM de Santa Fe, 222(12/4 Sharp-FL)

NIGER

5020t 0529 ORTN; FF/AA, pres. the one here w/flute IS, tx by OM w/ment. of "Sahel", into Cu'ran recit., 222(12/4 Sharp-FL)

NIGERIA

4770 2330 FRCN Kaduna; EE, ID & tx on UN aid to Africa to 2343, then mx to 2400 nx, QRM de Mayak, 322(11/13 Hosmer-MI) 444(11/6 Pimblett-AR) EE 0420-0600+ w/pop & rock mx, 343-545(11/8-12/1, 5 rpters)

4932 2250 FRCN Lagos Ed. Svc; EE, YL tlk on birds, YL ID 2300 as Ed. Svc. of RN, anthem, 2301*, 242(11/11 Ray-PA) @2103 w/Nat. nx, nx analogies, ID 2120, rock mx pgm to 2145, "What do you think of the president?" pgm, TP/TC & ID 2200, 333(11/11 Stephany-NY) tent. this testing 0527-0541 w/ Afro mx, carrier on & off, 343(11/28 Sharp-FL)+2

4990 2131 FRCN Lagos; EE OM tlk about civil rights in RSA, TC & ID, 333(11/23 Johnson-IL) nx @2200, 444(12/3 McKeon-IN)

7255 *0500 VON; EE West Africa svc w/nx pgm, 343-555(11/14-12/3, 7 rp)

15120 1830 VON; EE pgms to past 2100, 343-444(11/12-11/26, 6 rpters) @1050 w/EE nx, 353(11/14 Hesch-NY) @0748 w/EE lcl nx, then Afro mx, 343(11/20 Miyauchi-Japan)

RWANDA

11965 1500 DW Relay; EE YL w/sked, OM nx, 333(12/3 Thompson-CA)

17800 1230 DW Relay; s/on w/wrld nx, Magazine show, 433(12/6 VanHorn)

SENEGAL

4890 2342

ORTS; lcl Afro mx, vern. tlk by OM, FF ID 2355 at start of FF nx, off suddenly @0000 in middle of song, 343(11/9 -??) 333(11/23 Johnson-IL) 322(11/15 Boderhagen-FRG) @0604 w/FF nx to 0606, then into tlk followed by Qu'ran recit. to past 0615, 444(12/3 Sharp-FL)(11/27 McKeon-IN)

SIERRA LEONE

5980 2348

SLBS; EE relig. pgm to 0000, then narrated song "Child of the Universe", 0004 ID & sked, NA 0005*, 323(11/22 Hosmer-MI) @2229 EE w/ID & TC, drama/play, fr/pr(11/13 Ulmer-LA)

SOMALI REP.

6790 0300

R. Mogadishu; Somali, OM tx to 0302 then Koran recit., vy good this eve, 454(11/15 Hosmer-MI) @0329 w/distinct Somali mx, ments. of Mogadishu & "Soomaliyah", 1st time noted here in many weeks--since moved to 7200a, 333(11/27 Sharp-FL)
BECMS says not on 6790 since 11/18(not hrd, anyway), but was there 11/27 at least per David Sharp's log; WBI says heard on 7195 @1515 on 11/24; if they've now moved permanently it's good-bye to easy logs of this-MK

SOUTH AFRICA

SABC & Transkei logs will appear here; however, Radio RSA logs will appear as space allows at the end of the column--this is necessary due to space limitations and does not reflect any attitudes on my part towards this broadcaster-MK

3250 0311

Radio Five; EE w/rock mx & DJ chatter, TCs & IDs, 343(11/29 D'Angelo-PA)

3930 0408

Capital Radio/Transkei; EE, end of nx by OM w/ID & lcl TC, nice sig but ARO QRM a headache, 422(12/1 Sharp-FL)

4835 0405

SABC; EE, feature on planting season in eastern Transvaal, 333(11/21 Drollinger-WI)(+3) @2128 EE w/jazz mx pgm, 2153 prayer by OM & 2200*, 252(11/12 Welch-MA)

SUDAN

5040t 0439

R. Omdurman; AA recit. & guitar mx noted mixing w/Latin stn, poss. ment. of Omdurman @0447, hrd again @0445 in passing on 12/3 fading in & out of mush w/OM tx, 222(12/1 Sharp-FL)

SWAZILAND

3275 0312

TWR; vern., OM w/relig. pgm, YL ID @0315, Radio Mara absent, fr(11/17 Parks-FL)

4765 0422

TWR; GG? hrd relig. sermon & hymns under Mayak w/OM ID over piano mx @0430, 311(12/2 Sharp-FL)

TANZANIA

5050t 0441

R. Tanzania; long Swahili tlks by OM w/some hi-life, ments. of Dar-es-Salaam @0453, no pos. ID, 333(11/28 Sharp-FL)

TOGO

5047 0002

RT; FF, short tx, NA, OC to 0004, pr(11/21 Ulmer-LA) *0530 in FF w/NA & mx pgm, 433-434(11/5-12/3, 5 rpters)

TUNISIA

7225 0603

RTVT; AA, nx, IDs, speech by OM, inst. mx, 444(11/6 Soomre-MA) 434(11/13 VanHorn-TX)

11745t 2049

RTVT; AA, pres. radio drama, OM & YL ancres, off air @2100, fair(11/10 Morgan-NC)

UGANDA

5027v 0302

R. Uganda; EE, chorus type mx for full 15 min., nx abt Ugan-dan army, more mx, 323(12/6 VanHorn-TX) EE, YL w/nx @0402, ID 0410 "This nx comes to you from R. U.", lcl mx, 222(11/23 Rising-CA) @0350 w/vern. tlk by OM to 0359, then NA & EE TC("7 AM East African Time"), OM EE nx, ads, back to vern. @0417, 333(12/1 Ray-PA)(+6 rpters) @2032 EE w/request mx, YL ancr, played "Joy to the World" prior to s/off 2100 w/brief NA, 353(12/2 Welch-MA)

UPPER VOLTA

4815 0700

RTVV; FF OM w/long tx or nx, 232(12/3 Uerlings-OR) tent. at 2332 in FF w/OM tlk, Afro mx, 131(11/6 Pimblett-AB)

ZAIRE

75350t 0420

LV du Zaire; hrd pgm of cont. Afro mx w/brief tx by OM in FF & vern. langs, no ID, mixing w/Argentina so prob. variable, 222(11/27 Sharp-FL)

ZAMBIA

4910/1 0345 ZBS; fisheagle IS, NA @0347, ID, OM tlk in vern., strong!
443(11/10 Mahoney-FL) @0443 EE/vern., on exc. Afr nite,
tx by OM, ID as "R. Zambia in Lusaka" @0446, brief mx & in-
to tx in vern. by YL, some CW QRM, 333(11/30 Sharp-FL)

CLANDESTINE

6009a 1953 R. Bardai(Libya); FF/AA, tx by OM over Afro mx, def. ment.
"Bardai" @1957, then AA ancmnts & s/off 1959, 322(12/4
Sharp-FL)
9027 0457* R. Vatan(Egypt); Farsi, sudden s/off in middle of plaintive
song, fr-gd(11/12 Ulmer-LA) @0512 w/OM tx about Iran, sig
weaker than noted earlier, 322(12/1 Sharp-FL)
15555 1700 R. Vatan(Egypt); Farsi, mx, tlk on Beirut & Islam, IDs by
YL, 443(11/5 Soomre-MA) @1725 w/tlks & mx, gave address in
FRG, 555(11/15 Boderhagen-FRG)
17940 1530 V. of Sudanese Pop. Rev.(Libya); AA, rev. AA mx, cmtry ex-
horting a Sudanese revolution, ID 1610, 444(11/5 Dillon-PA)
353(11/13 Jones-TX) fr(11/4 Ulmer-LA)

UNIDENTIFIED

4960a 0456 ?-lang., ME & AA style mx noted here w/OM tx & babble, not
sure if even an African, any ideas Mark?(sorry, Dave!-MK)
333(12/1 Sharp-FL)

More WBI/BBCMS News:

Sierra Leone: SLBC recent sked shows xmn times 0558-1030, 1030-1155(Sun.
only), and 1755-0005 on 5980 in EE and lcl langs(Krio, Limba, Mende, and
Temne). News in English at 0700-0715, 2000-2100(incl. public notices),
and 2200-2215; nx in lcl langs 0630-0700. A current affairs pgm in EE is
featured 2130-2200.

Tanzania(Zanzibar): More info to add to last month's item. Radio Tanzan-
ia Zanzibar is expected to begin bcstng an external svc by the end of
1984 following installation of two 50 kw shortwave xmtrs at Dole, 9 miles
from Zanzibar city; per the Director of Dept. of Info & Bcstng, installa-
tion expected by October 1984 by 50 experts from China. He ancd that RTZ
would be able to bcst pgms to Arabian countries and the Comoros in EE and
AA.(perhaps QSL policy will be modified also; anyone remember the Omar M.
Omar fiasco of years past when an unsuccessful attempt was made to supply
this stn with printed QSLs? They were rcvd but apparently found "unsatis-
factory" by the stn. I still have two aerogrammes from Mr. Omar in reply
to a rpt & follow-up, thanking me for both and saying "By all means,
preparations are now being made to supply you with what you would like to
have"; I did finally get a QSL from them via Radio Tanzania, Dar-es-Salaam.
This was in 1970--MK)

By the way, with reports direct to me you do not have to include a
separate strip with your name & address on it--just make sure that your
name and state appear on each logging; this is in response to a comment
by Don Baker-DE. However, these do need to be included when sending logs
in to Peggy Thompson our CDE, with your name and the name of the column
the logs are for on the strip, clipped on top of your logs. This aids
Peggy in sorting them for forwarding to the column ed's, and in making
up the main CDE list for the month.

From David Sharp: "I did get a verie from R. Omdurman in Sudan! While
they have been observed here at 0400 s/on on 5039v, the verie lists only
4994 and 11835 from 0400-2200. The verie is dated 11/22, so assume sked
is current."

It was good to hear from Doug Ulmer, Nigel Pimblett, Tom Sable, and
Barry Brenesal this month--thanks for the holiday wishes and your com-
ments, OMs! Doug suggested the use of diacritics when needed(accent
marks)--I'll start including these to the best of my ability next month.
Barry & Nigel, keep up the good work! I'm getting to grit my teeth too
when I hear SS(no offense, John Cereghin!), but persistence pays off as
I found with Djibouti. Not too fond of RTTY either, hi! Tnx again to
Arabic-speaking Peter Dillon for your interesting letter.

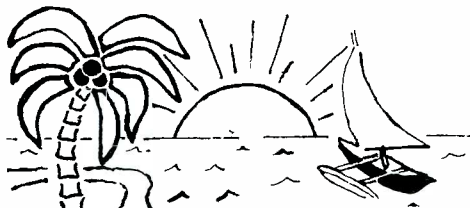
Well, I graduate(FINALLY!) tomorrow with the M.A. in Library Science
(specializing in online database reference), so it's time to grab a cold
one before an earlier-than-usual sack time. Oops, almost forgot--addr.
for Moundou is B.P. 122; not in '83 WRTH. Stay loose, Mark

ASIA-OCEANIA

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



It is with great pleasure and anticipation that I take over the editorship of the Asia/Oceania column. I fully intend to maintain the quality and integrity of my predecessor: Terry Lindley. Terry sends along his apology for missing the last issue. The busy schedule he mentioned in the November issue caught up with him amonth earlier than expected. No Terry, meeting the deadline on 37 of 38 bulletins is not bad at all. Good luck in your future endeavors and don't forget about us! I received a lot of good loggings this month, so I won't say anything else about myself unless I have room at the end. Let's start off 1984 with:

A F G H A N I S T A N		<u>R. Afghanistan</u>
4740	0155	RA: Pushto?, sub-cont. vocals & instl. mx, ID by OM.(fr. 11/26 Parks-FL) OM w/trlk, Mid East mx.(323 11/30 Uerlings-OR)
B U R M A		<u>Burma Best Svc</u>
4725	1227	Burmese?, YL w/trlk, ID, & Burmese mx.(333 11/17 Thompson-CA)
C H I N A		<u>R. Beijing and various regionals</u>
3950	0001	CC: tlks by OM & YL, local mx.(343 11/16 Bodenhagen-FRG) Stn. is Qinghai PBS.
3960	1510	<u>Xinjiang PBS:</u> CC: OM & YL w/ann. & tlk, CC mx.(212 11/17 Uerlings-OR)
3990	0120	<u>Xinjiang PBS:</u> CC: local mx, ann. by YL.(343 11/16 Bodenhagen-FRG)
4380	1435	<u>Fujian Front:</u> CC:YL w/tlks on Hunan & Honan Provinces. Less holerling and more mx than 2 yrs. ago.(343 11/8 Palmer-WA)
4760	2350	<u>Yunnan PBS:</u> CC: tlks by OM.(242 11/15 Bodenhagen-FRG)
4905	2122	<u>CPBS Beijing:</u> CC: exercise pgm, tlks & ann. //9064,6665 (252 11/10 Welch-MA) (Famularo-NJ)
5240	1210	<u>Fujian Front:</u> CC: local mx & tlk.(242 11/25 Prath-FL)
5265	1119	<u>Fujian Front:</u> CC: tlk w/OM & YL, local mx. //5240,6765. (RBT-PA on 12/7, SIO 433) (Prath-FL)
5950t	1410	<u>Heilongjiang PPBS:</u> CC: opera-poss. relay de R. Beijing, no ID hrd.(322 11/9 Palmer-WA)
6560	1155	RB: RR: tlk, folk mx, s/off w/RB IS.(332 11/26 Prath-FL)
6750	1135	RB: CC: tlk w/OM & YL, // 6665.(232 11/26 Prath-FL)
6790	2233	RB: CC: Taiwan svc of tlk & instl. mx. Ute QRM.(fr 11/10 Famularo-NJ) (333 11/26 Prath-FL)
6955	1239	RB: CC & JJ: nx & tlk pgm.(333 11/20 Soomre-MA)(11/26 Prath-FL)
7375	2232	RB: SS: Lam Svc, YL w/ tlk on CC sports. //6933. (333 11/17 Palmer-WA)
9064	0059	RB: CC: tlk & ID on hr, symphonic pgm(poor 11/23 Ulmer-LA)
9440	1201	RB: CC: ID, pgm sked, CC mx.(343 11/16 Smith-FL)
9800	2321	RB: CC: classical mx w/YL.(fr 11/26 Ulmer-LA)
9820	1200	RB: EE: nx, cmt, "Letterbox", CC lang. lessons, interviews.(454 11/20 Fraser-MA) (11/9 Robinson-TN)(11/28 Blanchette-FL)(11/15 Famularo-NJ)(11/19 Talbot-WI)(Smith & Prath-FL)(McDowell-IL) @0100 nx & cmt on missiles.(433 11/23 McDowell-IL)
9860	*0000	RB: EE: CC & wld nx, opera mx, CC lang. lessons, feature pgms, QRM de VOC on 9865. Also hrd at *1900 (Euro. Svc) and *0830. (333 Krist VA)(11/11 Stiner-NY)(11/24 Zilmer-NM)(11/20 Manning-TX)(11/14 Stanley-AZ)(11/12 Jones-TX)(Bingham-MA)(Palmer-WA) (11/25 McKeon-IN)

9920 1600 RB: Hindi: IS to 1601 then YL: "Yo R. Peking ho", Indian nx.
// 7080 & 6590. (232 11/10 Palmer-WA)

11575 2206 RB: FF: ID by OM. // 9880, 7800, 7055. (11/23 Ulmer-LA)

11600 0938 RB: EE: nx, cmty on USA relations with China & Taiwan. (444 11/26
McKeon-IN)

11650 0000 RB: EE: nx, cmty, spts, pgm of Mongolian mx, "Across the Land"
pgm. Also hrd at 0200, 0100, & 1248. (343 11/14 Hosmer-MI)
(11/5 Dillon-PA)(11/22 Bingham-MA)(11/3 Stiner-NY)(Abbott-LL)
(McKeon-IN)(Hotaling-NV)(Stanley-AZ)(Pacetti-CO)

11860 0100 RB: EE: nx, cmty, "Llsterer's Letterbox", "Press Roundup", mx.
Also at 0000. (333 11/25 Stone-ONT)(11/27 Ray-PA)(11/28 Dillon-
PA)(Bingham-MA)(McKeon-IN)(Palmer-WA)

11945 0120 RB: EE: "Sounds of China" pgm. (322 11/14 Talbot-WI)

15030 0207 RB: CC: OM w/exercise pgm; YL w/ CC orch. mx. (343 Thompson-CA)

15180 0200 RB: SS: ID: "Acqui R. Pekin", nx, mx. (343 11/22 Palmer-WA)
(353 11/12 Fraser-MA)

C Y P R U S

6030 *2210 Cyprus Best. Corp.; BBC Relay
CBC: GK: IS and opening ann., nx, modern GK mx on electric
bouzoukis. s/off at 2245. (343 11/11 Stephany-NY)

6180 2152 BBC: EE: hrd almost daily, // 6175. (322 11/20 Lipman-NY)

9625 1414 BBC: AA: AA mx, YL w/tlk, OM w/ID. (444 11/22 Shimado-JP)

I N D I A

All India Radio

3235 1533 AIR: EE: YL w/nx "This nx comes from AIR". (343 11/15 Miyauchi-JP)

4800 1210 AIR: EE and dialects: subcont. mx, Indian vocals, EE nx w/OM.
Very nice level for east coast. (11/13 & 11/20 Barto-CT)

4860 1444 AIR: lang: IS same as Genl. Svc. (212 11/20 Uerlings-OR)

4920 1200 AIR: lang: Indian vocals, ID, QRM de VLM4. (11/13 Barto-CT)
at 1453 in EE: OM w/rel. pgm, sitar mx. (333 11/15 Uerlings-OR)

9560 2245 AIR: HB: folk mx. (353 11/25 Keenan-CA)

11620 1219 AIR: EE: ID by YL, cmty on Bangladesh, nx. (232 12/2 Ryeder-FL)
2150 in EE: nx, Indian mx; s/off @ 2230. (434 11/29 VanHorn-TX)
(11/14 Rising-CA)(11/24 Renn-WA)(11/29 Kephart-MI)

15335 1425 AIR: EE: Hindi mx, sitar mx. (444 11/7 Robinson-TN)

I N D O N E S I A

2978 1136 Unid.: IN w/ OM ann., one pop song (western style); IN vocal;
f/out 1145. Possibly RPDT2 Bulungan. (11/21 Barto-CT)

3960t 1459 RR1 Palu: IN: OM w/nx, QRM de Xinjiang. (222 11/17 Uerlings-OR)

4000 1200 RR1 Kendari: IN: nx w/OM. Weak w/ARO QRM. Unid. Indo. on 4449
from 1212-1216: any help from CA DXers? (11/29 Barto-CT)

4753 2158 RR1 Ujung Pandang: IN: tlk by YL, ID. (good 11/16 Parks-FL)
Are you sure about this one Bill? I'm not positive but hearing
Indos at this hr. doesn't seem possible. RBT

4774t 1118 RR1 Djakarta: IN: OM ann., instl. IN mx, RRI ID @ 1130. Is this
stn still on this freq? (good 10/15 Barto-CT)

4774.5t 1245 RR1 Djakarta: IN: IN pops pgm; s/off @ 1300. (232 11/7 Miyauchi-JP)

5257t 1158 RR1 Sibolga: IN: YL ann., IN mx. (212 11/18 Uerlings-OR)(11/13
Barto-CT)

11790 0753 VOI: EE: ID, nx, Sports Highlights, "All About Indonesia".
(453 11/21 Shimada-JP)

I R A N

VOIRI

9022 1940 VOIRI: EE: condemnation of Lebanese govt., nx. (323 11/29 Sable-
NY) Tnx for the Christmas card Tom. RBT Also at 2200 in Farsi
w/ mx, chants and speeches. (Ulmer-LA)(Kephart-MI)(Keenan-CA)
(Chickerell-WV)

15084 1340 VOIRI: Farsi: AA mx, chants, ID. (444 11/26 Prath-FL)

I R A Q

R. Baghdad

9610 2130 RB: EE: IS, ID, NA, sked and pgm. preview. (11/4 Smallwood-w. Ber.)
Also @ 2034 in GG w/ nx & cmty on war with Iran. (453 11/15 Boden-
hagen-FRG)

9745 1830 RB: AA: nx, AA mx best. to USA and Europe. (453 11/25 Dillon-PA)

Not enough room to start Israel on this page. Since I was allocated five pages
this month, I believe I'll have to do some more severe editing on the remaining coun-
tries. It will take a few months, but I'll get the hang of this.

I S R A E L

6240 0058 Kol Israel; V. of Peace
 V. of Peace(Intl. Waters): EE: US & UK pop mx w/ OM ann., only passing ID's. On past 0200.(222 11/25 Stephany-NY) Also tent. at 0355: EE: OM DJ w/ rock mx.(fr/pr 11/9 Parks-FL). Nice Catch!
 7410 0000 KI: EE: Nx, Mid-East cmty, "TGLF" pgm, DX Corner etc. Also rptd. at 0500, 2200,0100. (444 11/18 Stanley-AZ)(11/29 Sable-NY) (11/9 Stein-NJ)(Dillon-PA)(Hull-WA)(Kephart-MI)(Prath-FL)
 9009 2020 KI: EE: "A Look at Judaism".(343 11/9 RBT-PA)
 9815 *0000 KI: EE: Nx, "Calling All Listeners", "Spotlight" pgm, Mid-East cmty.(454 11/14 Hosmer-MI)(Dillon-PA)(Keenan-CA)(Bingham-MA) (Abbott-IL)(Stanley-AZ)
 11590 0517 KI: HB: "Reshetbet"(B pgm), ID, MX pgm, Nx. Also hrd at 1800. (gd Kephart-MI)(11/20 Rising-CA)(Stein-NJ)
 11655 0000 KI: EE: Israeli and wld. nx, "Spectrum", "Forum", rel. tlk. Also @ 2005 & 0112.(444 11/15 Stanley-AZ)(11/8 Dillon-PA) (Hesch-NY)(Bingham-MA)
 13720 1806 KI: EE: Nx, Wx, ID and into FF @ 1815.(232 11/27 Ray-PA)
 15615 1615 KI Reshetbet: HB: MX, Nx, Ads.(433 11/9 Stein-NJ)

J A P A N

3910 0810 R. Japan; Far East Network
 FEN: EE: Yen to dollar exch. rate, pop mx, nx; ARO QRM.(333 11/25 Lieu-CA)(Uerlings-OR)(Thompson-CA)(VanHorn-TX)
 6055 0930 NSB: JJ: mx w/ YL, EE ID:"This is Superwave, R. Tanpa".(544 12/3 Renn-WA)(11/23 Ulmer-LA)
 8755 0630 JDO: EE: YL voice: "This is a test transmission for circuit adjustment purposes" repeated 5 times then OM "Hello all stations, this is JDO" followed by male voice in JJ.(555 12/2 Nowicki-CA) Not sure if this is SWBC, but I included it for your interest.RBT
 9505 1700 RJ: EE: "World Current Affairs", "Japan Scene".(444 11/20 Stanley-AZ)
 15235 2300 RJ: EE: Wld & Asian Nx,"Economic Nx & Views".(333 11/15 Stanley-AZ)
 15300 0000 RJ: EE: DX Pgm w/info on JJ stations. "Hello America" pgm; "Science and Industry Rpt". // 17825 (454 11/21 Leite-MA) (Gammie-MI)(Stephany-NY)(Krist-VA) + 4.
 17755 2215 RJ: EE: Nx of Reagan's trip to Japan; Mx, cmty on comparing family life in Japan with same in Western nations.(444 11/11 Brewer-AR)(11/28 Pacetti-CO)(Stanley-AZ)(Johnson-CA)(McKeon-IN)(Hesch-NY)(Ulmer-LA)(Ryeder-FL)
 17829 2342 RJ:EE: ID & IS then s/on at 2345. Wld nx by OM."Japan Scene" & cmty on Japan.(333 11/4 Addison-KS)(11/7 Drollinger-WI) +2
 21610 0810 RJ: EE: DX Pgm, Nx, "Current Affairs".(242 11/13 Timofeev-FRG) Also at 0130(444 11/14 Stanley-AZ)

J O R D A N

7155 0330 R. Amman
 RA: AA: Clarinet IS, time pips, ID in AA; QRM de R. Liberty. (11/2 Smallwood-W. Berlin)
 11923.8a 1316 RA: AA: "Huna Amman"; OM hosting phone in pgm; recitations and AA mx. ID at 1438.(232 11/27 Hosmer-MI)(11/23 Ulmer-LA)

K O R E A (North)

4120 1416 R. Pyongyang; V. of Rev. Party for Unif. of Korea
 VRPUK: EE: YL w/polt. tlks; N. Korean martial mx. Who are trying to reach w/EE?(343 11/8 Palmer-WA) Also at 1055 in KK(Famularo-NJ)
 6600 1614 RP: KK: class. KK mx; pleasant listening for a N. Korean.(343 11/9 Palmer-WA)
 9745 1115 RP: EE: cmty on US imperialists.(444 11/13 Rising-CA) at 2305 w/nx. //15230.(433 11/26 Talbot-ALB)
 15230 2300 RP: EE: Nx of Reagan's trip to DMZ & other asst. propaganda. (222 11/24 Stiner-NY)(Johnson-CA)(Speer-CA)(Pacetti-CO)(Stanley)
 15340 2300 RP: SS: nx & mx to s/off at 0050.(242 11/21 Jones-TX)

K O R E A (South)

3930 1406 R. Korea
 KBS-Suweon: KK: OM w/tlk or nx.(322 11/19 Uerlings-OR)
 5975 1351 KBS-Gyungsan: KK: KK vocals w/YL ann.(444 11/17 Palmer-WA)
 9750 1400 RK: EE: nx, mx, "Let's Learn Korean".(444 11/5 Robinson-TN) (444 12/2 Ryeder-FL)
 11810 0200 RK: EE: nx, cmty, Mx Pgm.(333 11/14 Stanley-AZ)(Johnson-CA)
 15575 0200 RK:EE: nx of Reagan's trip and the bombing in Burma.(444 11/11 Grosvenor-CA)(Stanley-AZ)(Pacetti-CO)

K U W A I T

9840 2040 R. Kuwait
 RK: AA: AA Mx, chants. // 9880.(433 11/25 Prath-FL)
 11675 *1800 RK: EE: Holy Koran pgm; rock mx; "world of Sports".(343 11/13 Krist-VA)(McKeon-IN)(Hosmer-MI)

Kuwait (cont.)
15347 0535 RK: EE: Nx, wx, "Pillars of Islam" pgm.(433 11/11 Timofeev-FRG)

LEBANON V. of Hope; V. of Lebanon
6215 0023 V. OF HOPE: EE: rock mx; occ. prayer. s/off at 0109.(322 11/23 Stephany-NY) AT 1750 w/ mx & nx.(232 11/15 Bodenlager-FRG)
9660 0230 V. of Lebanon: EE: spl. mx and patriotic readings for Independence Day.(323 11/21 Olson-MD)
11955 0230 VL: EE: "Lebanon Today", Lt. instl. mx, nx.(322 11/7 Dillon-PA) (11/2 Smallwood-W. Berlin)

MALAYSIA R. Malaysia
4950 1400 RM: EE: YL w/ID & stock report.(232 11/19 Rising-CA)
6100 1440 RM: Burmese: Malay-Indo mx; OM w/prob. nx. S/off w/ann. and Koran. 1531* (333 11/22 Palmer-WA)

NEPAL R. Nepal
3230 1504 RN: EE: local mx; ID by OM @ 1528.(343 11/15 Miyauchi-JP)
5005 1245 RN: Nepalese?: mx till 1250 ID, then prob. nx then more mx & tlk. Finally hrd them! (222 11/29 Hosmer-MI) Congrats OM(RBT)

PAKISTAN R. Pakistan
11670 1607 RP: EE: YL w/slow speed nx.(222 11/20 Uerlings-OR)

PHILIPPINES FEBEC: R. Veritas; VOA relay
6030 1424 VOA: INDO: YL ann. w/rock music.(333 11/17 Palmer-WA)
9510 2300 FEBEC: ??: rel. mx; OM w/ment. of Manila in ID.(222 11/21 Hotaling-NV)
9555 1100 VOA: EE/CC: EE ID by OM into CC.(242 11/24 Welch-MA) At 1554 in CC: Jazz mx, YL w/nx. S/off at 1559.(333 11/21 Palmer-WA)
11890 0804 FEBEC: EE: rel. cmty and mx. Homework and addr. where to send it. (333 11/12 McKeon-IN)(11/7 Lipman-NY). one log w/no name.
15155 2308 VOA: IN: OM w/wld. nx; rock mx.(242 11/24 Palmer-WA) I take it you're not a big fan of rock mx, Bob-hi! RBT
15195 *2358 R. Veritas: EE: IS, ID, "Women of Asia", nx.(353 11/22 Shimada-JP)
15440 2335 FEBEC: EE: rel. pgm; secular Christmas mx. 0000*(544 11/21 Thompson-CA)

SAUDI ARABIA BSKSA
9870 1830 BSKSA: AA: AA Mx, "al-watan al-Islamic"= The Islamic Nation. (333 11/27 Dillon-PA)
11850 1720 BSKSA: EE: Nx, "African Panorama", rock mx. ex 11855-much better hrd. here.(242 11/13 D'Angelo-PA)(McKeon-IN)(11/30 RBT-PA)
15335 2133 BSKSA: AA: OM w/tlk, ID into AA mx.(232 11/27 Jones-TX)

SINGAPORE R. Singapore; BBC Relay
3915 1403 BBC: EE: OM w/world nx.(434 11/19 Uerlings-OR)
6065 1320 BBC: IN, Malay, & Burmese: nx best in all 3 lang. //3915.(444 11/23 Palmer-WA)
9570 2300 BBC: EE: Nx, Letterbox. //9590 (343 11/19 Zilmer-NM)
11940 0702 R. Singapore: EE: nx by OM, ID, freq. shared w/ELWA.(222 11/13 Miyauchi-JP)

SRI LANKA SLBC
9720 1540 SLBC: EE: Rel. pgms. S/off w/choir anthem at 1602.(242 11/25 Hosmer-MI)(333 11/20 Uerlings-OR)

TAIWAN VOFC
3230 1155 BCC Taiwan: CC: YL ann. Clear ID AT 1200. Only rcvd once before in CT. Weak but readable.(11/25 Barto-CT)
5980 0215 VOFC: EE: Re-bcst of Nat. Day Parade.(454 11/14 Johnson-CA)
I'm running out of room, so I'll be brief with the remaining Asian countries.

TURKEY V. of Turkey
V. of Turkey hrd at 2200 and 0200 in EE on 9515, 9560; at 0300 on 11755 & 15125 @ 1240.

UNITED ARAB EMIRATES R. Dubai
R. Dubai hrd at *0330 on 11730; at 1635 on 15320; at 1615 on 21655. All in EE.

VIETNAM V. of Vietnam hrd at 1900 on 10040; at 2305 on 10060. EE & WV.

YEMEN R. San'a on 4853 at 0300; 9780 at 0315 and 1848. All in AA.

A U S T R A L I A R. Australia
 4920 1026 VLM4:EE: top 10 songs of 1941; Nx & spts.(222 11/26 Manning-TX)(Leite-MA)(Fisher-NM)(Famularo-NJ)(Keenan-CA)
 5995 0803 RA: EE: Papua Svc of rock mx. At1159 wld. nx; "Four Corners" pgm.(444 11/27 McKeon-IN)(12/2 Ryeder-FL)
 6140 1330 VLW6: EE: pgm abt prisons; feature on dancers.(322 11/20 Talbot-WI)(222 11/24 Drollinger-WI)(11/5 D'Angelo-PA)
 9580 1230 RA: EE: reg. pgms of nx, spts, mx.(555 11/27 Black-NH)(Fraser-MA)(Bingham-MA)(Lipman-NY)(Coleman-MA)(Hesch-NY)(McDowell-IL)(Abbott-IL)
 9610 1210 ABC: EE: Dixieland Jazz pgm.(333 11/23 Blanchette-FL)
 11720 0630 RA: EE: pop mx pgm; wld nx; pgm of pop "oldies".(343 11/27 Talbot-WI)(McKeon-IN)(Welch-MA)(Ulmer-LA)
 Other Australian stations were hrd on the following freqs: 11790, 11800, 11910, 11920, 15285, 15320, 15425, and 17795.

G U A M KTWR
 9510 1351 KTWR: EE: pgm on ant. for SWBC produced by HAP. Bible study pgms beamed to S. Asia.(333 11/19 Rising-CA)(Zilmer-NM)(Ryeder-FL)(Palmer-WA)
 9535 1435 KTWR: CC/EE: YL w/ bible messages in CC; Rel. mx into EE at 1500.(343 11/23 Palmer-WA)(Sampson-WI)(Hosmer-MI)(Zilmer-NM)
 11920 1456 KTWR: Tamil/Bengali: Hindi vocal; ID into Bengali at 1500.(433 12/2 Thompson-CA)

M A R I A N A I S L A N D S KYOI
 9670 1635 KYOI: EE/JJ: rock mx w/JJ & EE jingles.(243 11/15 Hosmer-MI)(VanHorn-TX)(Uerlings-OR)(Rising-CA)
 11900 1305 KYOI: EE/JJ: "Super Rock CHOI".(333 12/2 Ryder-FL)(Lipman-NY)(Thompson-CA)
 15405 2324 KYOI: EE/JJ: "Music World" pgm of pop mx.(333 11/26 Talbot-ALB)

N E W C A L E D O N I A R. Noumea
 7170 0724 RN: FF: rock and C&W mx. ID after every 3 songs. Nx at 0800.(444 11/26 Lipman-NY)(McKeon-IN)(Palmer-WA)(VanHorn-TX)

N E W Z E A L A N D R. New Zealand
 11960 1040 RNZ: EE: nx, cmty.(fr 11/8 Adams-MA)
 15485 0507 RNZ: EE: nx; tlk of movie "The Day After"; mx from various films.(333 11/21 Ryeder-FL)(McKeon-IN)(VanHorn-TX)(Zilmer-NM)(Stanley-AZ)
 17705 1650 RNZ: EE: mx of Roger Whitaker; nx, wx.(353 11/23 Johnson-CA)(12/2 Zilmer-NM) Also hrd at 1948, 0100, 0226 and 0408.

P A P U A N E W G U I N E A
 3260 1345 R. Madang: PD: Jim Reeves ballad; OM w/ann.; sked and anthem. 1400*(222 11/9 Palmer-WA)
 4890 1200 NBC: EE: pop mx,TC, nx, EZL and island mx.(343 11/17 Leite-MA)(Berri-CA)(Lipman-NY)(Hull-WA)(Ryeder-FL)(VanHorn-TX)(Thompson-CA)(McKeon-IN)

S O C I E T Y I S L A N D S
 6135 0720 R. Tahiti: FF: telephone tlk, ID,"La Marseillaise" at 0731 s/off. //9750.(233 11/27 Lipman-NY)
 11825 0315 R. Tahiti: FF: TT: relaxing island mx; EZL and pop mx.(444 11/17 Stanley-AZ)(VanHorn-TX)(Lipman-NY)(Ray-PA)(Manning-TX)(McKeon-IN)
 15170 0245 R. Tahiti: FF: pop mx pgm w/phone-ins.(333 11/25 Talbot-ALB)(Lipman-NY) At 2205(333 11/12 Rising-CA)

S O L O M O N I S L A N D S
 5020 1020 SIBC: EE: YL w/pgm of island mx.(232 12/7 RBT-PA)
 9545 0730 SIBC: EE: nx, mx.(333 11/6 Miyachi-JP)

Just enough room to say thanks for the support. Hope all of you had a nice holiday season, and I wish everyone a happy and DX filled 1984.

QSL

REPORT



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



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FIRST CLASS MAIL

PAR AVION

AIR MAIL
BY AIR MAIL

VIA AEREA

Hello everyone and Happy New Year. Welcome to the first QSL column of 1984, the year of George Orwell! I hope that this year brings the best of health, happiness, and DX to each and everyone one of you.

***** AFRICA *****

- ASCENSION ISLAND-VOA-21490, 17830, f/d card in 13d (Soomre-MA). Same in 51d (Dillaman-OH). Same in 14d (Card-RI). (Lipman-NY).
- BURUNDI-La Voix de la Revolution-3300, date/freq card in 16 months, 29d after f/up. Card was a B&W logo folder card for FF rpt and ms (Streeter).
- CANARY ISLANDS-REE Relay-15365, f/d art card in 31d for 2 irc (Greenbauer).
- CHAD-R. Moundou-5286, f/d letter in 52d for FF rpt (Barto-CT). Date/freq personal letter in 31d for FF rpt, \$1US, some US stamps, photo, and brochures. (Sharp-FL).
- DJIBOUTI-RTV Djibouti-4780, white QSL logo card in 16d for 3 irc (Mahoney).
- EGYPT-R. Cairo-9475, f/d houses in Egypt card in 90d (Adams-MA). 2nd card in 120d (Adams-MA). Mosques card in 74 days (Brewer-ARK).
- GABON-RTV G- 4777, date only map folder in 136d for an irc (Stephany-NY). Af No. One-4811, freq only card in 35d for FF rpt (Barto-CT).
- GHANA-GBC-3366, f/d logo cards arrived on the same day, seperately, for the original report, mailed 494days ago, and for the f/up, mailed 192 days ago. QSL was wrapped in sked instead of an envelope. (Stephany=NY). It was file cleaning time. F/d card and sked in 23 wks after f/up for ms (Wilkins-CO). same in 42d (Welch-MA).
- LIBERIA-VOA-15600, 6035, f/d card in 10d (Dillon-PA). Same in 8d (Speer-CA). Same in 8d (Don Brewer-ARK). Wayne Greene kept busy and signed all 3.
- UN Radio via VOA-15435, f/d logo card in 10d for 20¢ stamp(Lipman-NY).
- ELWA-11850, f/d transmitter card in 63d (Leite-MA).
- LIBYA-R. Jamahiriya-11816, f/d card in 51d for 2 irc (Pimblett-Alta). Same in 90d for an irc (Kanopka-NY). This was my only QSL of the month!
- MADAGASCAR-R. Netherlands-11740, f/d card in 20d (Renn-WA). Same in 38d (Talbot-Alta).
- MAURITIUS-MBC-9710, date/freq flag card in 86d (Sharp-FL).
- NAMIBIA-R. SWA-3295, f/d Aloe Dichotoma card and book and bumper sticker, in 89d for 2 irc and an Afrikaans rpt!(Mahoney-FL).
- NIGERIA-VON-7255, Remembrance Arcade card in 470d with f/d for an irc which was returned (Moore-TX).
- RWANDA-DW-9565, f/d card in 44d (Talbot-Alta). I am still waiting for my f/d cards from the DW, I hope that they didn't lose the rpt...lnk
- SEYCHELLES-FEBA-15200, world map card with f/d for 2 irc (Muzyka-NY). Also recd was a skedule, and a sticker.
- SOUTH AFRICA-R. RSA, SABC-3230, 4880, 9615, f/d card in 25d (Kapinos-MA). Logo card in 38d for ms (Van Horn-TX). Card in 18d (Adams-MA). Card in 22d for an irc (English-TX). Card in 28d (Caceres-NY). Radio 5-3250, f/d SABC card in 24d along with a Springbok radio pennant, and stickers, (Soomre-MA). Capital Radio-TRANSKEI-3930, date/freq card in 38d for 2 irc (Greenbauer-ARZ).
- SUDAN-R. Omdurman-11941, freq only form letter with handwritten note of apology for not replying sooner in 5 mo for US\$1 (Sharp-FL) This was for test broadcasts on 25M. Voice of the Sudanese Revolution-17940, no data tnx for rpt letter in 5 1/2 months for 2 irc (Jones-VA). V/S-CI Pavin

SWAZILAND-TWR-3200,7295, f/d folder card in 39d (Barto-CT). Same in 33d for 2 irc (Drollinger-WI). SCR-R. Truro-4981-f/d 702 Music radio card in 45d for 2 irc (Mahoney-FL).

TUNISIA-RTVT-11745, f/d Oasis card in 72d for US\$1 and FF/EE rpt(Sharp-FL).

TANZANIA-R. Tanzania-4785, f/d map card in 3 yrs, 5 mo !! (Sharp-FL). Same in 186d for an irc (Miyachi-JAPAN). Freq was 5050.

TOGO-R. Togo-f/d card for 5047 Khz, in 143d for 3 irc and FF rpt (Lipman)

UPPER VOLTA-RTVV-4815, f/d form letter in 16 wks after f/up for 2 irc (Wilkins-CO).

***** EUROPE *****

ALBANIA-R. Tirana-7120, f/d card in 71d (Dillaman-OH). Same in 76d (Dillon-PA).

AUSTRIA-ORF-4945, 9770, F/d transmitter card in 69d (Dillon-PA). Art card in 60d with Decal, Xmas card (Adams-MA). F/d Card in ?? (Speer-CA).

BELGIUM-BRT-9880, 11620, 17610, f/d card, sked and stamps in 35 days (Blanchette-FL). f/d card in 52d (Barto-CT). Same in 26d (Lipman-NY).

CZECHOSLOVAKIA-5930, 7345, open air museum card in 20d (Munster-GA). Adams-MA recd 6 Czechoslovak Life magazines, without asking. These mags can be gotten by anyone who asks. And some who don't!! R. Prague

FRANCE-RFI-21620, 50th Ann. card in 55d along with a sked and pennant (Kapinos-MA). Did anyone receive the R. France Int'l 50th Ann. Medal a couple of years ago? I received one, but I have never heard of anyone else gettng one. lnk

GERMAN DEMOCRATIC REPUBLIC-RBI-5960, 9620, 11975, f/d card in 23d (Kapinos MA). Same in 44d (Renn-WA). Same in 71d (Dillon-PA). Same in 15d (Robinson-TX). Same in 50 (Speer-CA). Some also recd GDR Review mags.

GERMAN FEDERAL REPUBLIC-Bayerischer Rundfunk-6085, date/freq card in 67d for an irc (Soomre??). Sender Freies Berlin-6190, f/d Building card in 15d for 2 irc (Parks-FL). DW-5960, 6145, 6085, 15150, 17705, no data map card in 25d (Bingham-MA). Same with f/d in 46d (Chickerell-WV). Same in 44d (Talbot-ALTA). Same in 51d (Van Horn-TX).

GREAT BRITAIN-VOA-Wooferton-15205, f/d San Diego card in 11d (Card-RI). The VOA is the best way to get a Great Britain f/d card. BBC-n/d card in 26d (Dillon-PA). Same in 60d (Chickerell-WV).

GREECE-VOG-9865, 12085, f/d houses on mountain card in 224d (Bingham-MA). Card in 59d(Lipman-NY). VOA-Kavala-15205, f/d card in 12d (Card-RI).

HUNGARY-R. Budapest-9585, f/d logo card in 21d(Adams-MA). Same in 32d (Renn-WA). Same in 29d (Lipman-NY).

IRELAND-R. Dublin Intl-6910, f/d card with map/logo in 191d for 2 irc (Dillaman-OH). Same fir same in 84d (Pimblett-ALTA). Same in 27 months! after several f/ups for 2 irc (Streeter-NY). Same in 245d for 2 irc (Stephany-NY). Same in 84d for same (Stephany-NY). Same in 207d for tape (Smith-TN). WMR Via RDI-f/d logo card in 15d for \$1.00 along with a sticker and sked (Lipman-NY).

ITALY-RAI-11800, 9575, 7235, f/d art card in 49d (Barto-CT). Same in 82d (Lipman-NY).

LUXEMBOURG-R Lux-6090, date/freq card in 26d for 2 irc (Lipman-NY).

MALTA-R. Mediterranean-6110, f/d card in 43d for FF rpt (Barto-CT). V/S-Maurice Pace, Dir. Gen. DW-9590, 11865, 15105, f/d card in 46d (Chickerell)

MONACO-TWR-9492, f/d building card in 23d for an irc (Lipman-NY). Also recd a pennant.

NETHERLANDS-RN-17605, f/d Van Gogh card in 61d along with pennant, sticker, sked (Van Horn-TX).

NORWAY-RN-15175, date/freq card in 60d for 2 irc (Adams-MA). Same Traditional Norwegian dress card in 30d along with sticker, flag, sked (Soomre-MA).

POLAND-R. Polonia-7270, 15120,9525, f/d Tazienki Park card in 75d along with post card, and sked (Adams-MA). Same in 126d (Soomre-MA). Logo card in 35d (Barto-CT). Town Market Square card in 30d (Barto-CT).

PORTUGAL-R. Liberty-Freq only map card in 8d with sticker (Soomre-MA).

R. Renascença-11730, time/freq card in 136d for 2 irc (Kapinos=MA).
R. Portugal-6060, 11925, f/d card in 24d (Kapinos=MA). Same in 30 for and irc (Ray-PA). Same in 22d (Lipman-NY). Another art card in 35d for 2 irc (Adams=MA). Same in ?? (Bingham=MA). Same in 21d (Abbot-ILL).
SPAIN-REE-11880, f/d card in 52d (Speer-CA). Same in 60d for 2 irc (Adams). Same in 38d (Chickereil-WV). Same in 30d (Bingham=MA).
SWEDEN-RSI-11705, 15190, f/d logo card in 22d (Barto-CT). 35th Ann card in 20d (Renn-WA). Same in 16d (Mahoney-FL). Same in 15d (Shimada-Japan).
SWITZERLAND-SRI-3985, 9725, 11715, f/d building card in 28d with sked, poster, and report forms (Soomre-MA). Same in 31d for SS rpt (Mendez-NJ). F/d card in 21d (Dillon-PA).

***** USSR *****

R. Moscow-15135 via Vinnitsa; 15150 via Minsk (Welch=MA). 15100 via Lvov; 15150 via Minsk; 11840 via Havana, CUBA (Chickereil-WV). 7150, 9760 via Lvov (Soomre=MA). Also recd a pennant. 11750 via Moscow, (Adams). 15100 via Lvov, 9530 via Moscow, 9610 via Khabarovsk, 11750 via Lvov, 12060 via Kenga, 11730 via Vinnitsa (Lipman-NY). 12055 via Armivir, 15305 via Sverdlovsk, 15150 via Minsk, 21515 via Kingisepp, 15545 via Kenga (Barto-CT). 7265 via Komsomolsk-on-Amur, 12050 via Khabarovsk, 15220 via Dushanbe (Greenbauer-AZ). 9600 via Moscow (Mendez-NJ). 15150 via Minsk (Van Horn-TX). No site- 11840 Khz in 77d (Dillon-PA). All Radio Moscow cards are usually recd in about 50 days and do not require any return postage. Please ask for the sites on the cards when writing for QSLs, they usually oblige. This makes the cards a bit more interesting!

R. Tashkent-11785, f/d Tapestry card in 37d (Mahoney-FL).
R. Peace and Progress-19MB, Date/time/MB card in ?? days (Barto-CT).
R. Vilnius-17900, f/d card and pennant in 39d (Welch=Mass).
R. Tallin-5925, f/d National Park card in 45d along with a sked and pennant (Soomre=MA). Same in 38d (Kapinos=MA).

***** ASIA *****

AFGHANISTAN-R. Afghanistan-11960, f/d card in 79d (Barto-CT).
PEOPLES REP OF CHINA-CPBS1-4905, f/d card, stickers, and bookmarks in 17d (Welch=MA). R. Beijing-9820, 9860, 11505, 11945, 15520, 16600, 17855, f/d Tai Ho Hall card in 23d for an irc. Also recd stickers (Robinson-TX). Mao Memorial card and pennant (Bingham=MA). f/d card in 73d (Barto-CT). f/d Temple of Heaven card, sticker, pennant and flag in 16d (Mendez-NJ). Great Wall card, pennant, stickers in 15d (Falbo-ORE). Same in 34d (Gammie-MI). Card in 18d with pennant (Bingham=MA). Kunming Lake card in 25d with stickers (Talbot-Alta). Card in 32d with goodie pack (Chickereil-WV).
INDONESIA-RRI Dili-3305, n/d Map folder card in 664 days after 2 f/ups for II rpts and MS. V/S Harry A. Silalahi, Head of Programming.
RRI Fak Fak-4790, date/freq letter in 41d for 2 irc and II rpt (Parks-FL).
IRAN-VOIRI-9022, War is Ugly card in 62d (Barto-CT). Same in 95d (Greenbauer-AZ).
ISRAEL-Kol Israel-11655, 7410, 9815, f/d Map card in 70d (Dillon-PA). Same in 68d for 2 irc (Adams=MA). Logo card in 68d (Caceres-NY).
JAPAN-R. Japan-9595, f/d Buddha card in 22d (Van Horn-TX). Dolls card in 34d (Leite=Ma). Buddha card in 30d for 2 irc (Addams=MA). Same in 43d (Soomre=MA). Same in 35d for an irc (Falbp-OR). 21610, same in 18d (Abbot-ILL).
KAMPUCHEA-Vof P K-9695, f/d card in 27mos (#rd QSL for same reception (Kapinos=MA). f/d card in 1 yr (Sharp-FL). 11938, f/d letter and n/d card in 2yrs, 4 mo for 2 irc (Parks-FL).
KUWAIT-R. Kuwait-11675, f/d card in 40d for 2 irc (Kosugida-JPN). Same in 40d with stickers (Bingham=MA).
MALAYSIA-SARAWAK-4950, RTVM-Kuching-f/d broadcasting house card in 20d for 2 irc (Renn-WA). 7160, same in 51d for same (Greenbauer-ARZ).
MONGOLIA-RUB-12070, f/d blue, gold and white card in 86d (Greenbauer-ARZ).
PHILIPPINES-R. Veritas Asia-9605, f/d card in 33d for 2 irc (Mahoney-FL). 15195, same in 47d with sticker (Kapinos=MA). Festival of lights card in 28d for an irc (Soomre=MA). Also recd a sticker.

Philippines-Continued-VOA-Poro/Tinang-9760, f/d card in 18d (Pimblett-ATA). Same in 13d (Welch-MA). Same in 16d (Kapinos-MA). FEBC-11890, Sunset over minila bay card in 76 days for 2 irc (Dillaman-OH). Same in 51d (Shimada-JPN).

SINGAPORE-R. S.-5052, City skyline card in 16d for \$1US (Renn-WA).

SOUTH KOREA-R. Korea-9570, 9750, 15575, f/d card in 60d for 2 irc (Card-RI). Family Reunion card in 55d (Barto-CT). Card in 28d (Welch-MA). Seasonal scenery card in 48d (Lipman-NY). Also recd were pennants and skeds.

SRI LANKA-AWR via SLBC-11835, f/d R. Mediteranean card and R. Monitors Intl card in 120d for 2 irc (Soomre-MA). DIY card in 32d for 2 irc-Renn.

TAIWAN-Voice of Asia-5980, Figurines card and goodie pack in 85d for 2 irc (Parks-FL). Paper cutting card in 18d along with a ball point pen (Shimada-Japan). VOFC5985, f/d card in 72d (Caceres-NY). 11740, same with stickers in 63d for no rp (Bingham-MA). Folder card in 42d for an irc (Fisher-NM). Al Fisher heard VOFC on 15270, and when he reported that frequency he got a card marded 15345 with no mention of the extra freq??!

TURKEY-VoT-11740, 11755, f/d ruins card in 41 days along with a pennant and stickers (Renn-WA). Palace card and goodies in 25d for 2 irc (ARZ-Greenbauer). Same in 28d (Bingham-MA). Seashore scene card in 27d with pennant, stickers, sked (Mahoney-FL).

UNITED ARAB EMIRATES-UAE Radio-21655, Map card in 70 days for 3 irc (Adams MA). Same in 36d (Bingham-MA).

VIETNAM-VoV-10080, 10040, 15010, QSL folder in 211 days (Lipman-NY). Same in 150d (Card -RI), was for 2 irc.

YEMEN ARAB REP-R. San'a-9780, date/freq letter in 38d for 3 irc (Woloch-
QUE).

***** PACIFIC *****

AUSTRALIA-VLM4-4920, ABC map card in 34d for an irc along with stickers (Talbot-ALTA). RA-7205, Regent Bowerbird card in 57d (Chickerell-WV).

MARIANA ISLANDS-GUAM-TWR-11840, f/d 5th Ann card in 20d for 20¢ stamp with pennant (Lipman-NY).

NEW ZEALAND-RNZ-17705, f/d Scenic card in 17d for an irc (Falbo-OR).

PAPUA NEW GUINEA-R. New Ireland-3905, no data letter in 39d for 2 irc (Mahoney-FL). A. Liriu-Stn Mgr.was v/s.

VANUATU-7260, f/d card in 188d for 2 irc (Pimblett-ALTA). R. Vanuautu
Slow month for the Pacific Stations! lmk

***** NORTH AND CENTRAL AMERICA AND THE CARIBBEAN *****

ALASKA-KNLS-6710, 9620, 11820, f/d logo card in 13d for ms (Van Horn-TX). f/d form letter in 14d for ms (Mahoney-FL). Same in 14 for ms (Lipman). Same in 48d for ms (Pimblett-ATA). Same in 21d (Barto-CT).

ANTIGUA-DW-6040, f/d 30th ann card in 44d (Talbot-ALTA). Same in 56d for an irc (Greenbauer-AZ). Same in 46d (Chickerell-WV). Same in 50d (Van Horn-TX).

CANADA-CHNX-Nova Scotia-f/d Ocean Playground card in 38d along with stickers (Bingham-MA). Same in ?? for US\$. (Lipman-NY). Freq was 6130. CFVP-6030, Calgary-Downtown Calgary card in 11d with stickers (Renn-WA). CFCX-Montreal-6005, Montreal skyline card in 60d (Adams-MA). RCI-5960, f/d DIY card in 45d (Soomre-MA). Same in 20d (Blanchette-FL).

RCI does not QSL directly. One a year, in the Spring, QSLs are mailed to all on their mailing list. If you want the verification, just fill out the card and then mail it back to them to be stamped verified. To get on the mailing list just write and ask, it is free.

COSTA RICA-R. Reloi-4832, date/freq card in 17d for 1 irc and SS rpt (Renn-WA).

CUBA-R. Moscow (Also see USSR section)-11840, f/d card in 29d (Barto-CT). R. Habana Cuba-11725, 11930, Havana view card in 31wks with personal letter and Grenada booklet (Wilkins-CO). Hotel card in 157d with form letter (Soomre-MA).

DOMINICAN REPUBLIC-R. Earth via R. Clarin-11700, freq only Curacao Scene card in 147d for ms (Jones-VA). Same in 120d (Muzyka-NY). Same in 162d for irc (Dillaman-OH). Same for same in 44 (Lipman-NY). Same in 169 for same (Soomre-MA). (Drollinger-WI). (Schulsinger-OH). For 2 irc in 172d

(Greenbauer-AZ). In 159d (Speer-CA). In 5mo (Sharp-FL). In 149d (NY-Stephany). In 81d (Leite-MA). These were mailed from Miami.

MONTSERRAT-DW-9545, 11705, f/d card in 47d (Talbot-ALta). Same in 29d (Pimblett-ALta). Same in 46d (ChickereLL-WV). Same in 51d (Van Horn-TX).

NETHERLANDS ANTILLES-R.N.-Drawbridge card in 39d (ChickereLL-WV).

THE UNITED STATES OF AMERICA-KGEI-9615, 15280, f/d logo card in 17d (Barto-CT). Same in 43d for ms (Welch-MA). WYFR-6065, f/d card in 47d for ms (Falbo-OR). WRNO-9705, 7355, 17775, f/d logo card in 57d (Dillon-PA). Same in 25d for an irc (Mendez-NJ). Same in 43d for SASE (Bingham-MA). Also recd a bumper sticker. VOA-Greenville-6873, 9670, 9650, f/d card in 11d (Bingham-MA). Same in 31d (Renn-WA). Same in 10d (Card-RI). VOA-Dixon-11950m f/d card in 36d (Soomre-MA). The VOA Dixon site has been reactivated, so go get 'em. lnk VOA-Bethany-f/d card in 22d (Hosmer-MI).

***** SOUTH AMERICA *****

ARGENTINA-RAE-11710, f/d logo card in 61d with a pennant and sked (Talbot-ALta). Same in 27d (Robinson-TN). Same in 42d for SS rpt (Mendez-NJ). LIBERTY-f/d prepared card in 65d for SS rpt. V/S was Dr. Edgardo Beutista Matuto Bravo, Dir Gen de Defensa Nae. (Parks-FL): 17740-freq.

BOLIVIA-R. Nac Cochabamba-5975, f/d Indian card in 18d for SS rpt and \$1US. (Parks-FL).

BRAZIL-VOA relay-17885, f/d card in 43d (Stephany-NY). R. Cult do Para-5045, freq only B&W card in 308d for 2 irc and PP rpt, IRCS were returned (Streeter-NY). R. Gaucha-11915, 6135, f/d card in 44d (Barto-CT). V/S-Flavio Fleck, Tecnico de Radio. R. Anhanguera-4915, date only letter in 43d for PP rpt (Barto-CT). R. Aparecida-11855, f/d card in 46d for PP rpt (Barto-CT). R. Emissora Rural, Santarem-4765, waterfront card in 28d with date and time only for ms and PP rpt (Parks-FL). V/S-Father Tiago Ryan. R. Nac do Brasil-17830, f/d card in 214d (Talbot-ATA). Also got sticker. Radiobras-15290, f/d card in 28d for in irc, also recd sked and sticker (Kapinos-MA). Same in 28 (Bingham-MA). Same in 26d (Abbott-ILL). Same in 14d (Shimada-Japan).

COLOMBIA-Armonias Del Caqueta-4915, n/d logo card and letter in 31 d for SS rpt and ms-(Mahoney-FL).

ECUADOR-R. Paz y Bien-4820, f/d Logo card, personal letter, and pennant in 35d for \$1US and SS rpt(Parks-FL). V/s-Enrique Pesantez G., Gerante. R. Quito-4920, Logo folder card in 55d for SS rpt and ms (Van Horn-TX). V/s- Alfonso Laso. R. Rio Amazonas-4870, letter and stickers in 11 1/2 Mo. for SS rpt(Huffaker-MX). HCBJ-Various freqs, f/d card in 35 day average from: Welch-MA, Barto-CT, Adams-MA, Soomre-MA, Bingham-MA, ChickereLL-WV, Jones-VA.

PARAGUAY-R. Nacional-9735, freq only letter in 27d for 2 irc and SS rpt (Lipman-NY). V/S-Carlos Montarer.

PERU-R. Inca Del Peru-4762, freq only logo card and pennant in 82d for ms V/S-Augusto S. Irel S., Director Gerante and Addr is: Av. Arequipa No. 2469; Lima 14; Peru. (Streeter-NY). Same in 7 mo for tri lang rpt and ms (Huffaker-MX). La Voz de la Selva-4825, f/d letter in 55d for SS rpt (Barto-CT). V/s-Enrique Castro Iglesias, Ger. R. Cultural Amauta-4955, n/d letter and post card in 50d for ms and SS rpt. V/s-Vicente Saico Tinco and Addr is: Casilla No. 24 Huanta Peru. (Mahoney-FL).

VENEZUELA-R. Rumbos-9660, f/d sunset card in 116d for 2 irc and Tri lang form (Greenbauer-ARZ). Same in 118d for 2 irc and EE rpt (Hull-WA). R. Lara-4800, Studio card in 34d for an irc and a tri lang form (Van Horn). La Voz Del CID/R. Antonio Maceo via Ecos del Torbes-4980, Cert of Sontonia in 27d for SS rpt to Costa Rica (Stephany-NY).

***** ANTARCTICA *****

LRA 36, R. Nac Arcangel San Gabriel-15474, p/d logo card and letter in 35d for 2 irc and tri lang rpt form (Greenbauer-AZ).

***** PIRATES AND CLANDESTINES *****

KPRC, 6280, CARD IN 43D FOR MS (SMITH-TN).

KEAT, 7419, CARD IN 22D FOR MS (WILKINS-CO).

LV DEL CID, 5106, F/D CARD IN 27D FOR MS AND SS RPT TO COSTA RICA (STEPHANY-NY). 7410, F/D CUBAN FLAG CARD IN 15D FOR SS RPT TO C.R. (MENDEZ-NJ). 7355, CARD IN 27D FOR SS RPT AND MS TO C.R. (STEPHANY-NY). 7465, SAME FOR SAME BY SAME PERSON AS JUST MENTIONED. 7400, F/D CARD IN 22D FOR 2 IRC VIA C.R. (SMITH-TN).

AFRICA Missorts-GABON-R. France Intl-11940, f/d card and pennant in 48d for 2 irc (Adams-MA).

SOUTH AFRICA-R. RSA-9615, f/d Dam card in 14d (Klosowski-FL).

** ** ** ** ** ** ** ** ** **

We were a bit light on contributors this month, but we had plenty of material. There were 55 contributors this time around. I hope that everyone had a very nice holiday and that this year treats you very well, and brings the best of DX QSLs to you.

Some requests: If there is anyone out there with reception report forms in languages other than Spanish, French and Portuguese, I would like to receive a copy. With your next contribution, let me know what you have, and I will let you know if I can use it. I would like to develop a small library of these forms. Thank you.

To anyone outthere who has an amateur radio license. Do you know of any nets that deal with the exchange of our type of SWBC DX? I would like any information. Also if you would like to meet on the bands, let me know and we can set a day and time, and frequency. Last month my father and I purchased an ICOM 745 transceiver. It is a very fine unit, and since then I have been spending alot of time on the ham bands. Don't worry though, it will be a long time before I give up SWBC DX. I love radio, in general, Ham, Broadcasting, Utes, you name it and I will listen to it. It is all very educational, and fascinating.

We had alot of new contributors this month, and I know that this issue will be read by alot of first timers. Potential DXers who received a SW Rx for Xmas, and sent away for sample bulletins. If you do join, or are a member already, do not be afraid to contribute. If you QSL was from the VOA, don't say that it was too easy, or that it was not good enough. Send it in. I print all of the contributions I receive, if they are complete. I have yet to ax loggings because of a lack of space, and I never would because of a lack of quality. So send in the information on your QSLs, do not be afraid!! Even the experts started someplace.

I have had several requests for some information, so I will answer the Questions here.

THE place to get the ms (Mint Stamps), that are always mentioned in the column is the DX STAMP SERVICE, 7661 Roder Parkway, Ontario, NY 14519. Send him a SASE for his latest price list, and tell George that SPEEDX sent you!

The abbreviations used in this column are not exactly standard, but I have not received any complaints. For new comers, I will explain some. F/d meand full data (Date, time and frequency); p/d means partial data, when one of the above is missing. Recd means received. ms or MS means mint stamps were sent for return postage, see above paragraph for more. FF=French, SS=Spanish, GG=German, PP=Portuguese, RR=Russian, II or Indo is Indonesian. Most other languages are spelled out. ###d=days, mo= months, and then yrs. irc=International Reply Coupon, these are available at all post offices, and are to send return postage to other countries. They cost 65¢ US apiece, and usually at least 2 are required for a reply. This is why ms are used, they are usually cheaper, and also simple for the stations to use. They don't have to be exchanged. I know I missed many, but these are some of them.

Before I forget, I want to thank everyone for the holiday greetings.

The BEST information about the use of frequencies and Transmitter sites in the USSR is the UHN;USSR High Frequency Broadcast Newsletter. It is published by Roger Legge, Box 232, McLean, VA 22101. Eight issues costs \$3 in No. America, or send a SASE for a sample.

To keep up to date on the SW club scene, one must be a subscriber to the ANARC Newsletter. Send 50¢ and a SASE to ANARC, 1500 Bunbury Drive, Whittier, CA 90601, for a sample copy. It is very interesting.

The New World Radio TV Handbook will be out soon, and Gilfer Shortwave will have it. Their price is \$17.50 plus shipping, it is a must have book for all DXers. Gilfer also has out the new edition of the QSL Address Book. I have not seen it, but the old edition was very handy, and I am sure the new one will be too. Write gilfer for details.

Their address is P.O. Box 239-52 Park Ave, Park Ridge, NJ 07656. Another new book is Radio Database International, edited by Larry Magne. It is a listing of the skeds for all of the major broadcasters in Hour/freq computer charts. This seems to me to become a great convenience.

***** PENNANTS *****

Several months ago I mentioned that I was thinking of starting a pennant corner in the column, as time and space permitted. I have not received any negative replys to this, and I did received plenty of positive ones. This means that I will now be putting this information into the column seperately. I will try to type up a special PENNANT and goodie report form, to make things easier here. I will send a copy to anyone who sends me a SASE and a dime to cover the cost of copying. You can then take that page, and run off your own supply. I received a whole list of stations that do or have given out pennants from Kraig W. Krist, our projects coordinator. So I will pass that information along to you now. The following stations send out pennants when asked, when they have them (So several requests may be necessary): TWR-Bonaire, R. France, Deutsche Well, R. Argentina Ex., KTWR, Vatican Radio, R. New Zealand, R. Korea, TIFC, R. Japan, R. Sofia, R. Bucharest, R. Bras, TWR-Monte Carlo, FEBC, V of Free China, R. RSA, R. Vilnius, R. Berlin Intl, R. Nacional de Espana, NBC-Papua New Guinea, R. Sweden, R. Moscow, V of Turkey, R. Ulan Bator, R. Netherlands, V of Indonesia, R. Beijing, Kol Israel. The following have conditions: VOA-must not be a US citizen, or live outside the USA. HCJB-answer one of their questionnaires or be an ANDEX member. R. Kiev-be a DX club member. BRT-Be a Dx club member. RCI usually sends one out when one of their Do It Yourself cards is returned to them for verification. R. Polonia-Be a DX club member. R. Budapest-Be a DX club member. R. Tashkent requires 20 separate reports. Stickers are available for the asking from: R. Dublin, R. Norway, Austrian Radio, Swiss Radio International, Kol Israel, V of Greece, and many others.

Pennants received this month were from: TWR-Monaco, R. Netherlands, R. Vilnius, R. Moscow, R. Beijing, R. Korea, Vof Free China, Voice of Turkey, R. Argentina, R. Paz y Bien--Ecuador, R. Inca Del Peru.

***** TIP OF TH MONTH *****

If the membership wants to see this section continue, I am going to need more input. I am using my last one this month, as I did not receive any contributions for 2 months. If I do not get any input I will have to drop this section. This months tip comes from David Sharp (Our DX Montage Editor), and goes against everything in the book! He says to use a colored envelope and cover the envelope with commemorative stamps when writing to hard-to-verify stations. This can get the people at the station interested enough to open the letter- instead of just throwing it out. The problem with this is that it also increases the possibility that the letter will be stolen in the mail, but it is worth a try for the hard veries.

SPEEDX puts out an excellent Spanish, French and Portuguese language report guide. It is available from headquarters, but I do not know the price. Sent a SASE to Don, at HQ, to find out. It is and absolute must for QSLing South American stations.

That about raps it up for this month. I hope you all enjoyed the column. Best of luck until next month.

73
Don
K2EXL

radio
EARTH



WORLD INTERNATIONAL BROADCASTERS
INC.

Transmitter Power: 50,000 Watts - ERP In Target Area In Excess Of 1,000,000 Watts
Transmitter Site: RED LION, Pa., U. S. A.

UTILITY SCENE

EDITOR: MIKE CHABA
6171 E. Bellevue #19
Tucson, AZ 85712

AM RTTY USB ISB
LSB CW FAX A3H

COLUMN
COVERAGE
0-30 MHz
H.F.

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

Hello Gang:

I bid you all a hearty welcome to 1984. Move over George Orwell, here we come....

** Number Buffs: Your suggestions have resulted in a revised Numbers section. Loggings are now divided into 12 categories, to maximize the data input, within one line space. Undoubtedly, some of it will give you problems in deciphering.... In return for (1) first class stamp, I will mail you an explanatory sheet, denoting setup and abbreviations. Now onto this months loggings....

**** NORTH AMERICA ****

AK...: 5628.0 U 1538 Anchorage Aero with nice BGM (??) (SM-JPAN)
8828 U 0557 Anchorage VOLMET (JCH-MD)
8984 U 0103 NOJ - CG Kodiak wkg CG 1473 (JCH-MD)
10048 U 0038 Anchorage Aero wkg UNITED 143 (JCH-MD)
13282 U 0125 Anchorage VOLMET (JEB-CA)
CAN.: 2182 U 0545 VCM - St. Anthony CGR. no tfc msg (MDL-ME)
2598 U 0415 VCM - Grindstone CGR. - Marine WX (MDL-ME)
2598 U 0333 VCS - Halifax CGR. - Marine WX (MDL-ME)
2598 U 0321 VCP - St. Lawrence CGR. - Marine WX (MDL-ME)
2598 U 2020 VAO - Yarmouth CGR. - NTS b/c (MDL-ME)
2598 U 0327 VCO - Sidney CGR. - NTM b/c (MDL-ME)
2598 U 2020 VON - St. John's CGR. - WX/NTM b/c (MDL-ME)
2971 U var. Gander Aero wkg Flight 4126,741,50 (CC-DE)
3485 U 0326 VFG - Gander VOLMET (PCC-RI)
6753 U 0230 CHR - CANMIL Trenton - Aero WX (JDW-MN)
6946 C 1137 CKN - CANMIL Vancouver - ID mkr (CS-MO)
8439 C 1615 VCS - Halifax MARCO - v mkr (CS-MO)
8891 U 1907 Churchill Aero wkg CALEDONIAN 223 (JCH-MD)
8891 U 2342 Frofisher Bay Aero wkg AIR FRANCE 003 (JCH-MD)
8891 U 0000 Cambridge Bay Aero wkg AIR FRANCE 273 (JCH-MD)
10051 U 0050 VFG - Gander VOLMET (KWK-VA)
11234 U 0605 CHR - CANMIL Trenton wkg MEDIVAC 451 (SS-GA)
12876 C 2005 VAI - Vancouver MARCO - CQ/QSX mkr (DE-AF)
16976a C 1930 VCS - Halifax MARCO - V/QSX mkr (BPS-CA)
10780 U 1411 GULL 01 wkg Cape Radio - SSSup (BLA-PA)

DEADLINE:
12th Day of
the Month

XMSN MODES: A-am... C-continuous wave(CW)... F-facsimile... I-Independent side band... L-lower side band... M-modulated CW... R-radioteletype... S-single side band... U-upper side band... 3-4JH...

6730.0 U 1825 SAM 24129 wkg Andrews AFB (RAL-OH)
6750 U 1748 XITE 71 wkg Ascension AB (SS-GA)
6756 U 1727 SAM 86971 wkg Andrews AFB (RAL-OH)
6793 U 2327 HOTEL ALFA wkg HOTEL WHISKEY with coded tfc (RAL-OH)
7735 U 1714 AIR FORCE 1 voice checks with Andrews AFB (RLR-KS)
7735 U 1403 SAM 26000 wkg Andrews AFB (RAL-OH)
7765 U 1433 AGAR 21 wkg Cape Radio - SSSup (dpx-11205) (RWP-TX)
7765 U 1459 ARIA CONTROL wkg AGAR 25 (dpx-8981) (RAL-OH)
7997 U 1646 SAM 86970 r/c with Andrews AFB (RLR-KS)
8778 U 0405 QUEBEC 1 OSCAR wkg OSCAR 9 DELTA (JFH-MA)
8912 U var. OMAHA 53/LASER wkg HOME PLATE (RWP-TX)
8912 U 2259 OMAHA 52 wkg SLINGSHOT (RWP-TX) **** Yes Roger ****
8972 U 1432 AGAR 21 wkg Cape Radio - SSSup (dpx-11205) (BLA-PA)
8972 U 1345 KILLO 6 SIERRA r/c SIERRA 4 JULIET FOXTROT (SS-GA)
8972 U 1646 8 KILO LIMA wkg 1 INDIA FOXTROT (SS-GA)
8981 U var. AGAR 21 wkg Cape Radio - SSSup (dpx-11205) (BLA-PA) (RAL)
8989 U 1513 KING 19 wkg McClellan AFB (SS-GA)
8989 U 1526 LESTER 69 p/p DISCARD via McClellan AFB (SS-GA)
8989 U 0105 BRAVO MIKE 343 p/p North Island Ops via McClellan(JDW)
8993 U 0327 DERRY 51 p/p FORAMAT via MacDill AFB (JFH-MA)
8993 U 1223 A.H.F. 1B p/p Raymond 09 via A1brook AB (SS-GA)
9007 U 1500 ANDY 127 wkg McClellan AFB (JDW-MN)
9011 U 1249 HELIO 88 clg Croughton AB (RHA-UK)
9014 L 2017 SAM 24129 wkg Andrews AFB (RAL-OH)
9026 L 1930 AIR FORCE 2 wkg Andrews AFB (RAL-OH)
9180 L 1445 SAM 12492 wkg Andrews AFB (RAL-OH)
9132 U 1416 BAKER 1 CHARLIE wkg GULL 01 - SSSup (BLA-PA)
9132 U 1311 BRAVO HOTEL 38 wkg Cape Radio - SSSup (RWP-TX)
9132 U 1416 GULL 01 wkg TINKER 1 CHARLIE - SSSup (RWP-TX)
9132 U 1528 BRAVO HOTEL 38 wkg BAKER 1 CHARLIE - SSSup (BLA-PA)
9258a U var. USN War Games - 06 NOV (RDS-NJ)
9375 L 1735 SAM 31681 wkg Andrews AFB (RAL-OH)
9991 U 1438 AIR FORCE 1 wkg Andrews AFB (RAL-OH)
10068 U 2300 ZULU 3 WHISKEY wkg 8 FOXTROT ZULU (RWP-TX)
10427 U 2034 CALIBER wkg Scott AFB (CC-DE)
10780 U 1411 GULL 01 wkg Cape Radio - SSSup (BLA-PA)

MEX.: 3700.0 C 0003 XFS2- Ciudad Madero MARCO- CQ mkr (SN-TX)
Note: odd that these are in the 80 meter HAM band....
8595.5 C 2320 XFP- Chetumal MARCO - QTC mkr (CS-MO)
12380a C 1855 XPM- Manzanillo MARCO - CQ/QRP/ mkr (BFS-CA)
2306 U 2122 WMB- Boston MAROP wkg m/v HARVESTER (MDL-ME)
2862 U 0420 Cakland VOLMET (DK-GA)
3486 U 0500 WSIY70- New York VOLMET (MDL-ME)
L var. WA3NAN- HAM at Goddard Space Flight Center, rebroadcast of Shuttle comms. Other freqs in use- 7185, 14295, 21390, 28650 kHz (KWK-VA) (BLA-PA)

USA.: 4256 C 0341 KLC- Galveston MARCO - CQ mkr (NRC-MA)
4294 C 0340 WNU31- Slidell MARCO - CQ/QSX mkr (JEB-CA)
4243 C 0709 WSL- Amagansett MARCO - CQ/QSX mkr (PCG-RI)
4428.7 U var. WNN- CG Portsmouth - WX b/c (JFH-MA) (MDL-ME)
5550 U var. New York Aero wkg MAC 40625/CAPITAL 262 (CG-DE)
5692 U 0451 NNM- CG Astoria OR wkg CG 1484 (JGH-MD)
5696 U 0137 NWF- CG New Orleans wkg CG 2121 & 2103 (JFH-MA)
5696 U 0125 NWF- CG Boston wkg CG 2136 (JFH-MA)
5696 U 0402 NOY8- CG Corpus Christi wkg CG 2129 (JFH-MA)
5696 U 0205 NWC- CG San Francisco wkg CG 1453 (WIS-ONT)
5696 U 0449 NWC- CG New Orleans wkg CG 1700 (JFH-MA)
5696 U var. NOT- CGAS Traverse City wkg CG 1447/2130 (JFH-MA)
6326 C 1220 WNU32- Slidell MARCO - CQ mkr (CS-MO)
6366 C 1222 XFS- San Francisco MARCO - CQ mkr (CS-MO)
6376 C 1224 WCC- Chatham MARCO - ID mkr (CS-MO)
6411 C 1227 WOE- Lantana MARCO - CQ mkr (CS-MO)
6446 C 0050 WLO- Mobile MARCO - WX into t/c list (NRC-MA)
6503 C 1234 WCC- Chatham MARCO - ID mkr (CS-MO)
6506.4 U 0242 NWC- CG San Fran ckg WHISKEY 0 NOVEMBER (BLJ-TX)
6873 U 0200 VOA Greenville Feeder (POC-RI)
8525 C 1605 WNU33- Slidell MARCO - CQ mkr (CS-MO)
8615.5 C 1810 WPD- Tampa MARCO - CQ mkr (CS-MO)
8630.5 C 1816 WCC- Chatham MARCO - ID mkr (CS-MO)
8666 C 0214 KLC- Galveston MARCO - CQ/QSX mkr (DLS-NY)
8705 C 1820 WSL- Amagansett MARCO - ID mkr (CS-MO)
8718 C 0430 WLO- Mobile MARCO - DE RTTY mkr (BFB-NH)
8746 U 0403 WOM- Ft. Laud MARCO P/P SONG OF AMERICA (JFH-MA)
8750 C var. WOO- Ocean Gate MARCO- CQ/t/c list (FWB-NJ) (JEB)
8793 U 0344 WOM- Ft. Laud MARCO- p/p m/v TROPICAL (JFH-MA)
8843 U 1541 San Francisco Aero wkg YANKEE PAPA 150 (SS-CA)
8984 U 2115 NNN- CG Portsmouth wkg CG 1501 (JCH-MD)
8984 U 0100 NWF- CG New Orleans wkg CG 1501 (JFH-MA)
8984 U 0538 NWF- CG Boston p/p Miami FCC for CG 2130 (JFH-MA)
8984 U 0043 NMA- CG Miami wkg CG 1703 & 2136 (JFH-MA)

10797.5 U 0050 EAGLE ONE ckg SKY HAWK (RLR-KS)
11055 U 1738 SAM 31681 wkg Andrews AFB (RAL-OH)
11176 U 1555 HERRY 45 ckg Croughton AB (RHA-UK)
11176 U 1617 AIR FORCE 286 with any sta call (RHA-UK)
11176 U 1224 ZOLAR 26 wkg Albroom AB (SS-GA)
11179 U 1629 MARCONI MOBILE r/c Loring & MacDill AFB (JDM-WN)
11180 U 1852 SAM 31681 p/p Marine CP via Andrews AFB (CC-DE)
11181 U 1158 SAM 86972 wkg Andrews AFB (SS-GA)
11182 U 1010 DRIP 43 wkg Scott AFB (SS-GA)
11182 U 1136 MARINE HELICOPTER 01 wkg Scott AFB (SS-GA)
11182 U 1015 JOYCE 99 p/p Pope AFB via Scott AFB (SS-GA)
11182 U 1009 CENTURY 90 wkg Scott AFB (SS-GA)
11182 U 0636 LOBO 701 p/p Lobo Base via Scott AFB (SS-GA)
11182 U 2026 NAVY YANKEE 11 wkg Scott- relay to MAC 60155 (CC-DE)
11182 U 1833 XRAY 1265 wkg Scott AFB (CC-DE)
11182 U 1838 NAVY RAT 84 p/p Willow Grove NAS via Scott (CC-DE)
11182 U 1649 TENDON p/p ZERO PETE via Scott AFB (CC-DE)
11182 U 0150 SIERRA 4 JULIET GOLF wkg Pershing Control (RLR-KS)
11234 U 1929 8 ECHO XRAY wkg MIKE 0 NOVEMBER (RWP-TX)
11239 U 1510 TODO 14 p/p Travis Metro via McClellan (SS-GA)
11239 U 1598 SAM 86970 wkg McClellan AFB (JDM-WN)
11239 U 2356 0 BOHO 900 (RAP) p/p McCord Metro via McClellan (CC-DE)
11239 U 2309 GULL 11 wkg McClellan AFB (RWP-TX)
11243 U 1420 DOWNTOWN - Giant Talk xmsn (RHA-UK)
11246 U 0836 GULL 01 p/p Miami Monitor via MacDill (SS-GA)
11246 U 2232 LIGHTNING 14 p/p FORMAT via MacDill (CC-DE)
11246 U 1341 HURT 74 p/p ALLOCATE & FORMAT via MacDill (RWP-TX)
11249 U 1532 AIR FORCE 2 p/p CROWN via Andrews (RDS-NI)
11249 U 1814 AIR FORCE 2 wkg Andrews AFB (BLA-PA)
11249 U 1807 AIR FORCE 1 wkg Andrews AFB (BLA-PA)
11249 U 0853 LOBO 401 wkg New York Aero (SS-CA)
11407 U 1455 AIR FORCE 1 wkg Andrews AFB (RAL-OH)
12090 U 2005 CALIBER wkg Scott AFB (CC-DE)
13204 U 1725 SAM 31682 wkg Andrews AFB (RAL-OH)
13247.5 U 1655 OTIS 61 ckg OTIS 51 (JDM-WN)
13455 U 1835 SAM 31681 p/p via Andrews AFB (RAL-OH)
14913 U 1441 AIR FORCE 2 wkg Andrews AFB (RAL-OH)
15048 U 1720 SAM 31682 wkg Andrews AFB (RAL-OH)
17520 U 2100 EAGLE ONE wkg SKY HAWK (RWP-TX)
17975 U 2123 LOW TIDE wkg BUD VASE & JAMES 63 (CC-DE)
18027 U 2037 AIR FORCE 1/ SAM 31683 wkg Andrews AFB (BLA-PA)
18666 U 1536 ATLAS (DEA) wkg SUNDANCE 100 & FLINT 352 (JFH-MA)
18666 U 1525 FLINT 556 p/p Jaguar Base Ops via ATLAS (JFH-MA)
20053 U 1536 SAM 26000 p/p via Andrews AFB (RAL-OH)
20053 U 1536 AIR FORCE 1 wkg Andrews AFB (RAL-OH)

AFG9- Scott AFB wkg BAGLE CONTROL, KING 59,
 STORK 10, JOYCE 64, CALLIBER (CC-DE)
 Cape Radio wkg AGAR 21- dpx 8981 (SSSUP) (BLA-PA)
 NNN- CG Portsmouth - DE/MC mkr (RDS-NJ)
 VOA Greenville Feeder (MDL-ME)
 AFG9- Scott AFB wkg CENTURY 20/82/91 via p/p
 to BAYMOND 24 (CC-DE)
 11239 U 0007 WCY12- McCellian AFB clg POINT SPANISH 700 (CC-DE)
 12217 U 1826 WFG901- FEMA Wash DC - testing (JEB-CA)
 13108 C 1958 WOO- Ocean Gate MARCO - CQ mkr (GLB-FL)
 13170 U 1948 Cape Radio wkg AGAR 21- dpx 8981- SSSUP (BLA-PA)
 13187.6 S var. KMI- San Fran. MARCO- P/P QUEEN MARY (LJO-WV)
 15820 C 1607 WFL35- ITT New York - QRA/MC mkr (BLJ-TX)
 17117.6 C 1653 WNU45- SIdell MARCO - WX b/c (NRC-MA)
 17259 U 1937 WOM- Ft. Laud MARCO- P/P VIKING SEA (MDL-ME)
 18744.7 M 1630 WCY912- FEMA Mt. Weather MD- coded gpts (HLR-KS)
 20190 L var. live broadcasts from Mission Control of the
 20916 L var. STS-9 Columbia shuttle mission (ES-MA) (DRH-PA)
 23074.5 C 1635 WPI77- ITT New York - QRA/MC mkr (NRC-MA)
 15590 C 1515 NNF7- CG Portsmouth- CQ/MC mkr (NRC-MA)

**** CENTRAL AMERICA ****
 HPN50- Canal MARCO (Puerto Armuelles)-CQ mkr (NRC)
 HPN60- Canal MARCO - CQ mkr (GLT-NM)
 AFH3- Albrook AFB - P/P ALICE 15 & DAVID 42(JPH)
 AFH4- Albrook Control wkg ??? (RHF-NY)
 HPN60- Canal MARCO - CQ mkr (NRC-MA) (BPS-CA)

**** CARIBBEAN ****
 CLN78- PTP Havana- callup via UJYZ (WTC-AZ)
 C172 CLN1- Havana MARCO - CQ mkr (BPS-CA)
 C202 CLF1- MINFRE Havana cgl CLP5 (DRH-PA)
 U 1933 ON DECK GITMO wkg CG 2136 & 1504 (CC-DE)
 U 2100 ABJECT GITMO cgl CG GALLATIN (JCH-MD)
 C 0215 61I- Kingston MARCO - CQ mkr (GLT-NM)
 C 1920 61I- Kingston MARCO - CQ mkr (NRC-MA)
 C 1118 FUF- FT NAVRAD Ft. de FRANCE - v mkr (CS-MO)
 C 0108 PJC- Curacao MARCO - CQ/QSX mkr (DLS-NY)
 U 0421 NNR- CG San Juan - rpt e/c ditching (JFH-MA)
 U 0045 NMR26- CGAS Borinquen wkg CG 1430 (JGH-MD)
 C var. NWR- CG San Juan - CQ mkr (BPS-CA) (NRC-MA)

**** SOUTH AMERICA ****
 R. R. Rivedavia Feeder (?P-WA)
 1PD44- G.P.R., Buenos Aires - V/QSX mkr (DB-AR)
 12988.5 C 0205 LFD89- G.F.R., Buenos Aires - V/QSX mkr (BPS-CA)
 13166 U 0330 LPL- G.P.R., Buenos Aires - SS/OM/VW/MM (SM-IPAN)

USA.: 9014.0 U var.
 9043 U 1546
 9258a C 0300
 10867 L 0538
 11182 U var.
 11239 U 0007
 12217 U 1826
 13108 C 1958
 13170 U 1948
 13187.6 S var.
 15820 C 1607
 17117.6 C 1653
 17259 U 1937
 18744.7 M 1630
 20190 L var.
 20916 L var.
 23074.5 C 1635
 15590 C 1515

PANA: 4241 C 0336
 6467 C 0220
 8993 U 0101
 13948 U 1245
 22412 C var.

CUBA: 7660a C 0712
 17166a C 2022
 20880 C 1703
 8984 U 1933
 8984 U 2100
 8470.5 C 0215
 13065 C 1920
 6387.9 C 1118
 8694 C 0108
 2182 U 0421
 8984 U 0045
 12700a C var.

GIT.: 8984 U 1933
 8984 U 2100

JAM.: 8470.5 C 0215
 13065 C 1920
 6387.9 C 1118

MART: 6387.9 C 1118

NETA: 8694 C 0108
 2182 U 0421
 8984 U 0045
 12700a C var.

ARGN: 5882 U 0050
 8645.5 C 0125
 12988.5 C 0205
 13166 U 0330

**** NUMBERS ****
 0100-0109 FR/11NOV/13453.0/A/SY/4d/627(3) 100-g****/121/**/(JEB-CA)
 0200-0207 ST/12NOV/5135.0/C/XX/5L/RUA DT/AR(3) VA(3) 5-3/**/(FNB-NJ)
 0200-0206 ST/03DEC/5135.0/C/XX/5L/RUA DW/AR(3) VA(3) 5-5/**/(FNB-NJ)
 0200-0207 SU/20NOV/5810.0/A/SY/4d/****/10C-g****/good/WJS-ONT)
 0200-0207 SU/12NOV/8873.0/M/XX/5L/IMM UW/AR(3) VA(3) 5-5/**/(FNB-NJ)
 0200-0206 ST/03DEC/8873.0/M/XX/5L/DAT DT/AR(3) VA(3) 5-5/**/(FNB-NJ)
 0300-0306 ST/19NOV/5135.0/C/XX/5L/RUG UT/AR(3) VA(3) 5-5/**/(FNB-NJ)
 0300-0314 TS/17NOV/9267.0/A/GY/5d/Ncw-g30/Brde/5-5/**/(FNB-NJ)
 0400-0411 FR/02DEC/9038.0/C/XX/5L/UMI MT/AR(3) VA(3) 5-5/**/(FNB-NJ)
 0400-0409 FR/18NOV/9038.0/C/XX/5L/UMI MT/AR(3) VA(3) 5-5/**/(FNB-NJ)
 0525-****MO/28NOV/7527.0/A/SY/5d/****/324/**/(JFK-MT)
 0547-0549 ST/03DEC/6800.0/A/SY/4d/INPROG/Fin/444/**/(JFK-MT)
 0704-0706 TU/22NOV/8894.5/A/SY/5d/****/Final(2)/544/**/(JEB-CA)
 1730-****TU/29NOV/15614.7/A/SY/5d/****/****/353/**/(RFW-GA)

*** Looks terribly confusing... Remember, an explanatory sheet is available, from me, for (1) first class stamp. Same deal for you personnel at the number stations.....

**** UNIDENTIFIED ****
 3060.0 U 0547 SURVIVAL RADIO v/c with POTATO-03NOV (NRC-MA)
 3297 M 0325 repeats- EHEET E AU EE & long dash-16NOV (FNB-NJ)
 4105 C 0025 FLP cgl MRC 29NOV (FNB-NJ)
 4134 C var. LJA wkg IKF/WVQ wkg JZR/WPB, WPZ wkg JZR-29NOV(FWB)
 4134 C var. JZR cgl GFX,WVQ,FSX,YXC,MAL,OXG,FDE,WPZ-29NOV(FWB)
 4135.5 C 0414 AK3N cgl B9DY 30NOV (FNB-NJ)
 4149 C 0315 WDB wkg AAS in Spanish 03DEC (FNB-NJ)
 6379 C 0311 AM53 cgl UWA7 13NOV (BLJ-TX)
 6460 C 1128 repeats of R A M 14NOV (CS-MO)
 6462 C 1232 CQ F A M 25NOV (CS-MO)
 6944 C 0313 393 393 393 TTTTT repeated 25NOV (NRC-MA)
 8447 C 0329 AM53 cgl UWA7 26NOV (NRC-MA)
 11566a C 0710 AK3N callup to 20QJ 30NOV (RMA-IA)
 16200 C 1342 M O T cgl L Y E (British??) (FB-FRG)
 18737 C 1730 repeats of 4UVE EWEA 6NU4 66VB- 11DEC (WTC-AZ)
 19588a C 1905 ATNY WNY QTC2 into 5figure eps - 24NOV (RMA-IA)
 20000 U 2145 RR/OM with test counts & conversation(1-way)(CG-CA)

**** RADIOTELETYPE ****
 2201.5 2330 50/425r EHD900- Guardia Civil Madrid-msg Granada(AW-UK)
 2755.4 1850 50/170r NFA Tunis TUNI - AA tlc (RMA-FRAN)
 2783.4 1632 ONY22-BELG Army Rouvery?- cgl PAC 27 (JK-FRG)
 2788.2 1915 75/8500- RETJZ- Madrid NAVRAD SPAN- tlc Rota (RMA-FRAN)
 3311.4 1351 ----- Saverne Gendarmerie - msg to Strasbourg(JK-FRG)

ARGN: 22419.2 C 2002 LFD- G.P.R. Buenos Aires - V mkr (NRC-MA)
 25130.7 C 1848 LFD34/91 - G.P.R. Buenos Aires - V mkr (NRC-MA)
 ASCN: 11176 U 0451 AFD14- Ascension AB- wkg MAC 60144 (JCH-MD)
 BRZL: 4298 C 0347 PPO- Olinda MARCO - V mkr (NRC-MA)
 8460 C 0200 PPU- Juazeiro MARCO - V mkr (GLT-NM)
 8855 U 0501 Manaus Aero wkg CLIFFER 440 (JCH-MD)
 17160a U 0557 Recife Aero wkg LUFTHANSA 504 (JCH-MD)
 17160b C 2235 PWZ33- Rio de Janeiro NAVRAD- V mkr (BPS-CA)
 17162 C 2108 PPO- Olinda MARCO - QXS mkr (FWB-NI)
 17170 C 1208 PPU- Juazeiro MARCO - V mkr (GLT-NM)
 17590 C 2335 PWZ- Rio de Janeiro NAVRAD - V mkr (GLT-NM)
 CHIL: 6418.2 C 0215 GCS- Santiago NAVRAD - V mkr (GLT-NM)
 COLG: 40325 C 0435 HKC- Buenaventura MARCO - DE mkr (JB-AR)
 10024 U 0457 Bogota Aero wkg Lima Aero (JCH-MD)
 13087.1 C 1727 HKB- Barranquilla MARCO - CQ mkr (NRC-MA)
 ECUA: 7600 A 0457 HD210A- SFTS Guayaquil (TJK-MI)
 FALK: 19950 U 1936 PFC- CW Fort Stanley- tfc London (NRC-MA)
 SURT: 8855 U 1207 Paramaribo Aero wkg MAC 20603 (JCH-MD)
 URGY: 12750 C 0305 Wamarrito MARCO - CQ/QXS mkr (BPS-CA)
 VENT: 6100 A 0543 YVTO- SFTS Caracas (TJK-MI)
 8461 C 0256 YVG- La Guaira MARCO - CQ mkr (FWB-NI)
 10096 U 0547 Maiquetia Aero wkg Manaus Aero (JCH-MD)

**** EUROPE ****
 AZOR: 6750 U 0340 Lajes AB p/p to Andrews for NAVY 50496 (JTH-MA)
 8461 C 2055 CUC- Sao Miguel MARCO - CQ mkr (AJD-NJ)
 BELG: 6392 C 2253 OSN41- Oostende NAVRAD - V mkr (GLB-FL)
 BNG.: 6750 U 0547 AJE- Croughon AB wkg AIREVAC 7947 (JCH-MD)
 7723 C 0230 KRB50- USEMB London - QRA mkr (DRH-PA)
 10390 C 1157 GPO- INTERPOL West Wickham wkg GSJ (PAC-UK)
 11200 U 1735 MYU- Royal AF VOLMET (West Drayton??) (DRH-PA)
 11234 U 1848 AFHITECT (RAF) wkg ASCOT 5079 (JCH-MD)
 FIN.: 2182 A 2153 OFI- Hanko MARCO- no tfc ann. (PAC-UK)
 FRAN: 4232 C 0115 HNW- Paris NAVRAD - V mkr (NRC-MA)
 GDR.: 13062.5 C 1914 YM- Ruesgen MARCO - 5 digit msg (NRC-MA)
 FRG.: 2775 A 2357 DAO- Kael MARCO - ??? (BS-MA)
 7512.5 U 1333 DML- Sylt Lorán clg IFR Sandur ICE (PAC-UK)
 GIBR: 8625.2 C 0205 GTU- Gibraltar NAVRAD - DE mkr (GLT-NM)
 13382 C 1504 MLU- RAF Gibraltar - ID mkr (PAC-UK)
 HOLL: 6792 C 1443 PDB- INTERPOL Utrecht - clg FSB Paris (PAC-UK)
 ICE.: 8891 U 2344 Reykjavik Aero wkg AIR FRANCE 273 (JCH-MD)
 13070 C 1950 IFA- Reykjavik MARCO - CQ mkr (BLB-FL)
 IRL: 6390.3 C 0220 IDQ3- Rome NAVRAD - DE mkr (GLT-NM)
 POL.: 4306.2 C 0214 SFE21- Szczecin MARCO - V mkr (NRC-MA)
 8650 U 0145 SPB23- Szczecin MARCO - CQ mkr (GLT-NM)

3366.0 1820 50/850n GUARFA (ITLY Mil) to GUARFB (RMA-FRAN)
 3573.5 1710 50/425r INTP52- Pamplona Police SPAN-msg Madrid (AM-UK)
 3594.0 1800 ----- INTERPOL Rome - ITLY ??? (RMA-FRAN)
 3780.0 0040 50/425n BZG75- Urumqi Metro PRC- CQ mkr (AM-UK)
 3822.8 2350 50/850n AFA- Karachi Air PAKI- WX to Lahore (AM-UK)
 4061.0 0045 75/425n WBR70- Miami Metro USA- 5#M (BFB-NH)
 4279.0 0300 75/425r EBA- Madrid NAVRAD SPAN- tfc ?? (BFB-NH)
 4492.4 1635 50/170n RIFADB- Carabobeiri Pinerolo ITLY-msg (AM-UK)
 4492.8 1845 50/170n Moncalieri Police ITLY- tfo Turin (RMA-FRAN)
 4763.3 0010 50/850n NKW- USN Diego Garcia - WX to MAUR. (AM-UK)
 4840.7 2300 50/850r GTU- RN Gibraltar - FOXs (RMA-FRAN)
 4897.5 1305 75/???) FAD58- FF Army Tours- msg to FAD 20 (JK-FRG)
 5097.0 0800 50/425n PAC27- Katwijk NAVRAD HOLL - FOXs (AM-UK)
 5235.5 1645 50/425r EQQ- Madrid Police SPAN- Bltns (AM-UK)
 5266.0 0005 50/425n YAV- Kabul Air AFGN - testing (AM-UK)
 5701.8 0825 50/170n ESCR- Smed AF Stockholm - WX (AM-UK)
 5732.0 0855 50/850n BAA6- Tianjin Metro PRC- RYS (JEB-CA)
 5844.2 0015 50/425n BLM21- Chengdu Metro PRC- CQ mkr (AM-UK)
 6266.5 0400 ARQ/170 GCGG- CUNARD PRINCESS wkg WCC (RMA-IA)
 6357.0 2320 75/850n AME3- UNARR related?? - RYS (FB-FRG)
 6625.7 ----- 50/300r SOC284- PTP Warsaw POL - RYS (RMA-FRAN)
 6840.0 0420 75/425r AME3- RX/FOXs (BFB-NH)
 6984.7 1950 50/425r AP London - EE/NX (RMA-FRAN)
 6989.0 0015 50/850r 8G9- Male Air MALD - RYS (AM-UK)
 6993.7 0045 50/425r AP Montevideo URGY- SS/NX (RMA-FRAN)
 7407.6 0239 50/425r CML5- PTP Havana CUBA- RYS to New York (RDS-NJ)
 7464.6 1700 50/425n HGE21- PTP Budapest HUNG- clg RNE37 (RMA-FRAN)
 7478.0 0210 75/425n USIA Monrovia LIBE - BE/NX (JMN-GA)
 7552.0 0042 50/425n 5ST44- Antananarivo Metro MADAG- CQs (AM-UK)
 7580.0 2025 50/425r VVD57- Delhi Metro INDI - WX (AM-UK)
 7585.0 0345 50/425r 6YU44- Dakar Air SENEG- RYS (BFB-NH)
 7587.9 1900 75/850r MEG- BA Rheinadahlen FRG- FOXs (RMA-FRAN)
 7650.0 1755 ----- SAAM Murmansk USSR- msg to UKS (JK-FRG)
 7690.0 var. 50/425n TUH- ASEENA Abidjan IVRY-RY (AM-UK) (FB-FRG) (RMA)
 7705.8 0025 50/425r CML9- PTP Havana CUBA - RYS to N.Y. (RMA-FRAN)
 7752.5 0255 50/850n WFA57- ITP New York - FOXs (JEB-CA)
 7863.0 0025 50/425r BZJ31- Hangzhou Metro PRC- WX (AM-UK)
 7955.0 2350 50/850n HSJ31- PTP Bangkok THAI- RYS to Hanoi (AM-UK)
 7997.3 1630 50/425r FDI- FF AF Orleans FRAN- ??? (RMA-FRAN)
 8015.0 2055 50/850r BQ321- PTP Shanghai PRC - QRA mkr (AM-UK)
 8144.2 1910 50/425r VXF3- Ho Chi Minhville VIET- Tests (RMA-FRAN)
 8167.5 0250 50/375r MSS- RAF Belize - FOXs (RMA-IA)
 8170.0 0018 50/425r BZJ22- Hangzhou Metro PRC - WX (AM-UK)
 8170.0 0040 50/425n BZG75- Urumqi Metro PRC - CQ mkr (AM-UK)
 8176.0 0035 50/425n HXP- St. Denis Metro REUN- CQ mkr (AM-UK)

PORT:	10390.0	C	1735	CSJ - INTERPOL Lisbon c/g FSB Paris (PAC-UK)
SPAN:	6392	C	0316	EDQ- Araujuez MARCO - MC/TD mkr (BLJ-TX)
SWIS:	8709	C	0100	HEB18- Berne MARCO - ID/QRV mkr (RMA-IA)
USSR:	8372.4	C	0311	UZZ2- QTH unknown - c/g UAT (NRO-WA)
	8535	C	1300	UKA - Vladivostok MARCO - Cq mkr (CS-MO)
	85691	C	1335	Khabarovsk VOLMET - RR/YL (SM-JPAN)
	9905	C	1810	Radio Moscow Feeder (JEB-CA)
	16375	C	1513	RCV - Moscow NAVRAD - c/g vessel (PAC-UK)
	16867.5	C	1529	UXN - Arkhangelsk MARCO - DE/RSX mkr (PAC-UK)
				**** AFRICA/MIDDLE EAST ****
ALGE:	6416	C	2320	7TA4 - Algiers MARCO - Cq mkr (GLB-FL)
	8894	C	0423	Algiers Aero w/g AEROFLOT 417 (JCH-MD)
ANGO:	6369	C	0225	D3E41 - Luanda MARCO - Cq mkr (GLT-NM)
	8693	C	0105	D3E41/51 - Luanda MARCO - Cq mkr (GLT-NM)
	8903	C	0509	Luanda Aero w/g ANGOLA 653 (JTH-WA)
	8903	C	0546	Luanda Aero w/g Accra Aero (JCH-MD)
	22350.5	C	1733	D3E - Luanda MARCO - Cq mkr (NRO-WA)
CNRY:	8861	C	0045	Camarlas Aero w/g AIR FRANCE 374, ASCOT 2165 (JCH)
CAPE:	8561	C	0444	Sal Aero w/g CLIPPER 189 (JCH-MD)
CONG:	8903	C	2351	Brazzaville Aero w/g CALEDONIAN 216 (JCH-MD)
DUJB:	13042.6	C	0048	FUV - PP NAVRAD Djiibouti - V mkr (BLJ-TX)
EGPT:	8471.7	C	2151	SUF - Port Said MARCO - V/RSX mkr (PAC-UK)
IRAQ:	12660	C	1334	YIB - Basrah MARCO - V mkr (GLB-FL)
IVRY:	19360	C	1530	TUV - INTERPOL Abidjan - c/g FSB Paris (PAC-UK)
LIBE:	8861	C	0058	Roberts Aero (Monrovia) w/g SPRINGBOX 234 (JCH-MD)
	11474	C	0628	KKN44 - USEMB Monrovia - QRA mkr (WTC-AZ)
	23425.1	C	1651	KKN44 - USEMB Monrovia - c/g KSI84 (NRC-WA)
LYBA:	8894	C	0608	Tri-pol Aero w/g Flight 505 (JCH-MD)
MAUR:	8879	C	var.	Mauritius Aero w/g SPRINGBOX 280/281 (CC-DE) (JCH)
MROC:	2182	A	2105	CNP - Casablanca MARCO - xmsn ann. (PAC-UK)
NIGE:	8894	C	0420	Niamey Aero w/g GHANA 701 (JCH-MD)
SAUD:	12659	C	1337	HZG - Dammam MARCO - DE mkr (GLB-FL)
SENE:	13410	C	1158	6MW - Dakar NAVRAD - V mkr (CS-WO)
	16951	C	1715	6MW - Dakar NAVRAD - V mkr (RMA-FRAN)
SOAF:	6325	C	0120	ZRH - Cape NAVRAD Fisantekraal - DE mkr (BLJ-TX)
	6336.5	C	0124	ZRQ - Cape NAVRAD Simonstown - V mkr (BLJ-TX)
	8461	C	0222	ZSC - Cape Town MARCO - Cq mkr (FWB-NJ)
	8688.5	C	var.	Z99 - Cape Town MARCO - Cq mkr (DLS-NY) (GLT-NM)
	8713	C	0318	ZSD - Durban MARCO - ID mkr (FWB-NJ)
	8933	C	0103	Johannesburg LDCC w/g SPRINGBOX 212 (JCH-MD)
	13072	C	2025	ZSD - Durban MARCO - DE mkr (DB-AR)
	17132	C	1645	ZS46 - Cape NAVRAD Sillvermine - Cq mkr (NRC-WA)
SYRA:	20970	S	1215	VXV9 - CFARS Golan Heights - c/g ?? (PAC-UK)
TURK:	8613	C	2300	TAN - Istanbul MARCO - t/c list (GLB-FL)

BIM22-	Chengdu Metro PRC - WX (AM-UK)			
NMA-	CG Miami - wk&g NXRD (JEB-CA)			
NMA-	CG Miami - callup to NYOS (RMA-IA)			
AME3-	Rys (ERP-MD)			
YM58-	Kuala Lumpur Metro-MLAY- CQ (AM-UK)			
4UN-	UNO Jerusalem ISRL - Bitsn (RMA-FRAN)			
A9W4-	GNA Manama BRAN-EE/NX (RMA-FRAN)			
CVT92-	AP Montevideo URGY - SS/NX (FB-FRG)			
ELRB-	Monrovia Air LIBE- Rys (AM-UK) (RMA-FRAN)			
FJY2-	Port-aux-France KERG- t/c NCD (JK-FRG)			
FUZU-	Moldezhnaya Base ANTA- Rys (AM-UK)			
A4C-	Sib Air OMAN - msgs (JK-FRG)			
ZRH76-	Cape NAVRAD SOAF- callup NAU (RMA-IA)			
5NL-	Lagos Air NIGR - Rys (PAC-UK)			
5NL-	Lagos Air NIGR c/g Kano Metro (RMA-FRAN)			
402-	UNO Geneva SWIS-EE/NX (BFB-NH)			
ATS61-	OTS New Delhi INDI- Rys to Kabul (FB-FRG)			
KONA	Pyeongang NOKO-EE/NX (JMN-CA)			
ZRQ20-	MFA Algiers ALGE- Ff msgs (AM-UK)			
ULV-	SAAM Moscow USSR- RR/NX (FB-FRG)			
NGD-	McMurdoo Station ANTA- Rys (JK-FRG)			
NGD-	McMurdoo Station ANTA- Rys to VNJ (AM-UK)			
CNA	Tapiw-EE/NX (RMA-FRAN)			
Kinshasa	Air ZIRE- NOTAMS (RMA-FRAN)			
KONA	Pyeongang NOKO - EE/NX (JEB-CA)			
5NK31-	Kano Metro NIGR - Cq mkr (AM-UK)			
UGOF-	FREDERIC CHOPIN- Rys (JEB-CA)			
UBH-	name unk - Rys to UAI (JEB-CA)			
UTNI-	FRITZ GEKKERT - Rys (JEB-CA)			
UYEJ-	RUSSKOE POLE - t/c to UJY (JEB-CA)			
UFBJ-	ADMIRAL KOIKHINE- Rys to URB2 (JEB-CA)			
UHPF-	name unknown - Rys to UJY (JEB-CA)			
URSM-	m/v 0652 - Rys to URB2 (JEB-CA)			
UIHO-	S'ETSID PROFESOVOTST-t/c to Gelandvik (JEB)			
UVTM-	KAPITAN KULINI- Rys to UFKG (JEB-CA)			
ESKW-	KOLIVAN - Rys to UFH (JEB-CA)			
Y5M-	Ruegen MARCO GDR-msgs to fishing fleet (FB)			
UUTU-	ZVEZDA SEVASTOPOLYA- Rys to UJY (JEB-CA)			
UBKT-	ST VOZROZHDENIE - Rys (JEB-CA)			
UTHJ-	MARIYA POLIVANOVA - Rys (RMA-FRAN)			
UMI-	Murmas MARCO USSR- RR t/c (JEB-CA)			
CKN-	CANMIL Vanconver CAN- Rys/NAMS (ERP-MD)			
NRXD-	CCG EVERGREEN w/g CC Miami (AJD-NJ)			
PBG3-	Georee NAVRAD HOLL- Rys (ERP-MD)			
ESB35-	Lanzhou Metro PRC- WX (AM-UK)			

8190.3	0020	50/425n	50/425n
8457.0	0500	75/170r	75/170r
8457.0	1340	75/170r	75/170r
8456.4	2210	75/850r	75/850r
9143.3	1535	50/850n	50/850n
9157.9	1900	50/425n	50/425n
9198.0	1500	75/350r	75/350r
9207.5	2113	50/425n	50/425n
9252.0	var.	50/425n	50/425n
9268.3	2344	50/425n	50/425n
9280.0	2325	50/425n	50/425n
9830.4	0227	50/425n	50/425n
10296.0	0615	50/850r	50/850r
10388.0	1726	50/425-	50/425-
10389.4	1750	50/375r	50/375r
10465.0	2000	75/425n	75/425n
10535.0	1402	50/425r	50/425r
10580.0	1006	50/425r	50/425r
10730.7	1105	50/850n	50/850n
10830.0	1415	50/170n	50/170n
10862.4	2330	50/425n	50/425n
10867.5	2335	50/425n	50/425n
10961.0	1930	50/425r	50/425r
11028.2	1845	50/425r	50/425r
11475.0	0430	50/425n	50/425n
12190.0	0810	50/850n	50/850n
12500.0	0028	50/170n	50/170n
12506.0	0107	50/170n	50/170n
12506.5	0043	50/170n	50/170n
12508.5	0030	50/170n	50/170n
12516.0	0050	50/170n	50/170n
12520.0	0100	50/170n	50/170n
12522.0	0050	50/170n	50/170n
12522.5	0055	50/170n	50/170n
12525.0	1432	50/170n	50/170n
12525.5	0126	50/170n	50/170n
12526.0	1520	50/170n	50/170n
12526.2	1730	50/170n	50/170n
12662.0	1830	50/170r	50/170r
12726.5	1930	75/850r	75/850r
12754.0	2030	75/850r	75/850r
12840.8	1910	75/850r	75/850r
13360.0	0035	50/425r	50/425r

ZIRE: 8861 U 0518 Kinshasa Aero wkg LUFTHANSA 505 (JCH-MD)

**** ASIA/PAR EAST ****

BANG: 10066 Dacca Aero wkg Calcutta Aero (JCH-MD)

BURM: 10066 Pangoon Aero wkg Calcutta Aero (JCH-MD) (CC-DE)

ERC.: 12969 XSV-Tianjin MARCO - CQ mkr (GLT-NW)

COCO: 10066 Cocos Aero wkg MAC 40632 (JCH-MD)

HONG: 8942 U 1653 Hong Kong Aero wkg Bangkok Aero (BFS-CA)

13282 U 1915 Hong Kong VOLMET (ES-MA)

INDI: 5658 Bombay Aero wkg SFEDEBIRD 147 (CC-DE)

10018 U var. Bombay Aero wkg AIR MORCO 526/Flt.302(JCH)(CC)

10066 U var. Calcutta Aero wkg AEROFLOT 534/Flt.1207 (JCH)(CC)

1120 Bombay Aero wkg INDIA 1 (CC-DE)

10066 U 1222 Madras Aero wkg Colombo Aero (JCH-MD)

10774.2 C 0942 VTX348-Ahmedabad Police- msg to Bombay (JK-FRG)

INDO: 8472 C 0255 PKE-Ambolna MARCO - CQ mkr (GLB-TA)

JAPAN: 3786.1 U 1051 NPT-Yokota Monitor wkg Iwo Jima Loran (WTC-AZ)

6398 C 1225 JFA-Matsudo MARCO - CQ mkr (CS-MO)

6467a C 1708 JCS-Choshi MARCO - CQ/QSX mkr (BFS-CA)

8438a C 0814 JCS-Nagasaki MARCO - CQ/QSX mkr (BPS-CA)

8447.5 C 0648 JFA-Matsudo MARCO - CQ mkr (BFS-CA)

8464a C 0707 JOU-Nagasaki MARCO - CQ/QSX mkr (BFS-CA)

8479a C 1742 JCU-Choshi MARCO - CQ/QSX mkr (BFS-CA)

8524a C 0705 JOR-Nagasaki MARCO - CQ/QSX mkr (BPS-CA)

10464 C 0643 KWL90-USEMB Tokyo - QRA mkr (WTC-AZ)

12826.5 C 1844 JCS-Choshi MARCO - CQ/QSX mkr (BFS-CA)

12878a C 0743 JCU-Choshi MARCO - CQ/QSX mkr (BFS-CA)

13054 C 0210 JDC-Choshi MARCO - CQ mkr (GLT-NW)

ROK.: 22396a C 0119 JOS-Nagasaki MARCO - CQ/QSX mkr (BPS-CA)

8484.2 C 1748 HLF-Seoul MARCO - CQ/QSX mkr (BFS-CA)

11620 C 1610 HLL3-Seoul Metro - V mkr into 5FM (JEB-CA)

NEPL: 10066 C 1208 Kathmandu Aero wkg Calcutta Aero (JCH-MD)

OKIN: 12888a C 0727 Naha MARCO - CQ/QSX mkr (BFS-CA)

PAKI: 5658 U 2057 Karachi Aero wkg Bombay Aero (CC-DE)

10018 U var. Karachi Aero wkg Bombay & Flt.513 (CC-DE) (JGH-MD)

PHIL: 8604.2 C 1230 DZJ-Manila(Bulacan) MARCO-CQ mkr (GLT-NW)

12890a C 0746 DZB-Manila MARCO - CQ mkr (BFS-CA)

10066 C 1219 Colombo Aero wkg ROMEO PAPA CHARLIE 754 (JCH-MD)

10066 C 1131 CxLombo Aero wkg Flight 350 (CC-DE)

SLAN: 8507a C 0757 XSW-Keelung MARCO - CQ mkr (BFS-CA)

8631a C 1629 XSW-Kaoshiung MARCO - CQ/QSX mkr (BPS-CA)

12784 C 0235 XSX-Keelung MARCO - CQ mkr (GLT-NW)

THAI: 8942 U 1154 Bangkok Aero wkg MAC 60175 (JCH-MD)

13371.5 2140 75/850r NBA-USN Balboa PAMA-RY/SGs (RMA-IA)

13402.8 2235 50/850r Banco de la Nacional Buenos Aires ARGN- msgs to San Juan & Chellecto (AM-UK) (* AXX-278 ??)

13564.0 var. 50/850r CNA Taipei TIWN-EE/NX (RMA-FRAN) (JMN-CA)

13830.0 1810 45/425n KTR84-FCC Powder Springs GA- coded t/c (ERF-MD)

13998.0 1613 50/425n XT199-Diplo Paris FRAN - FF/NX (FB-FRG)

14376.0 0808 50/425r ASW41-PAKI EMB Moscow USSR- t/c Islamabad(AM-UK)

14398.0 0753 75/425r 365-CZEC PAKI Algiers UGSR- msg Prague (AM-UK)

14472.0 2030 75/425r NNWUSD-MARS Rosie Roads PR- msgs (BFB-NH)

14566.0 2200 50/425r FL Havana CUBA - EE/NX (JMN-CA)

14691.0 1842 75/850n GU-RN Gibraltar - FOXs (JEB-CA)

14785.9 1430 50/350n INFOIND New Delhi INDI- EE/NX (RMA-FRAN)

14950.2 1235 50/850r GRU-RN Gibraltar - RYs (ERF-MD)

14989.0 2245 50/425n TML77-ASEONA Brazzaville CONG- RYs (RMA-IA)

15555.8 1345 50/425n BTA Sofia BUL - EE/NX (RMA-FRAN)

15670.0 1430 50/850r HGM36-MTI Budapest HUNG- RYs (AJD-NI)

15950.0 2200 75/850r GAR-Montevideo NAVRAD URGY- RYs (AJD-NI)

16015.0 1810 50/850r ZRH77-Cape Navrad SOAF - RYs to NAV (JEB-CA)

16137.0 1420 50/425r CML47-PTP Havana CUBA - RYs to N.Y. (ERF-MD)

16150.7 1415 50/425n 9YF205-JIII Singapore-EE/NX (RMA-FRAN)

16262.5 1418 50/425r Fq426-PTS Paris FRAN- Le Brick (RMA-IA)

16412.0 0120 50/425r XINHUA Beijing PRC - SS/NX (JMN-CA)

16420.0 2355 50/425n CLP1-MPA Havana CUBA- coded msg to Benin(JEB-CA)

16590.2 1300 ----- SOT299-PAP Warsaw POL- PP/NX (RMA-FRAN)

ARQ/170 GDDN- LA PAMPA c/g KPH (RMA-IA)

16666.5 1630 50/425r PL Havana CUBA - QRA mkr (RMA-IA)

16853a 2150 TOR WCC-Chatham MARCO USA - EE/NX (RMA-FRAN)

17208.1 1530 17423.0 0010 50/425n HRV57-KOMA Pongkyang NOKO- RYs (JEB-CA)

17430.7 1400 50/425n JIII Tokyo JAPAN - EE/NX (RMA-FRAN)

17432.5 1205 50/850r SS EMB Nounchott MAUR- msgs to Madrid (AM-UK)

17477.6 1730 50/425n BAS50-PTP Beijing PRC c/g 9RX (RMA-FRAN)

18041.0 1930 50/850r ZRH84-Cape Navrad SOAF- wkg NAV (JEB-CA)

18503.0 1227 50/425n ZLD-PTP Prague CZE- c/g Shanghai (FB-FRG)

18399.0 1623 50/850r LOK-Creadas del Sur NAVRAD- ANTA- WX to LOL(AM)

18421.7 1800 50/725n TANJUC Belgrade YUGO- SS/NX (RMA-FRAN)

18950.7 0900 50/725r SAMA Damascus SYR - FF/NX (RMA-FRAN)

19100.6 1130 50/850r BSS Dacca BANG - EE/NX (RMA-FRAN)

19396.8 1370 50/425r GMA London ENG - EE/NX (RMA-FRAN)

19441.0 0000 75/850n LOL- Buenos Aires NAVRAD- RY/SGs (JEB-CA)

19532.0 1630 50/425r AV30USA-MARS FRG - t/c to USA (BFB-NH)

19807.0 1430 50/425r 6VV41-Dakar Metro SENE - ??? (RMA-FRAN)

20263.3 1025 50/425r OHU26-MPA Helsinki FIN- msg Jeddah (AM-UK)

20651.0 var. 50/850r NAU-USN San Juan P.R. - RYs (ERF-MD) (RMA-FRAN)

20963.0 1800 75/850r AFA4MA-MARS March AFB CA - wkg AGASHI (JEB-CA)

21770.9 1700 50/850r SAPORITTI Buenos Aires ARGN- SS/NX (RMA-FRAN)

***** PACIFIC OCEAN *****
 Sydney Aero wkg TRANS AIR 92 (JCH-MD)
 Sydney VOIMET (NRC-MA) (JCH-MD)
 VHP- Canberra NAVRAD - V mkr (GLT-NM)
 VIP04- Perth MARCO - V mkr (GLT-NM)
 CARO: 3786.1 U 1036 NRV7- Yap Iorann wkg Yokota Monitor (MTC-AZ)
 FIJI: 8846 U 0442 Nandi Aero wkg SOUTH PACIFIC 701 (JCH-MD)
 8867 U 0455 Nandi Aero wkg QUANTAS 94 (JCH-MD)
 FFFO: 6462 U 0913 FUM- PF NAVRAD Papette - V mkr (NRC-MA)
 8625a C 0710 FUM- PF NAVRAD Papette - V mkr (BFS-CA)
 12664.5 C 0100 FUM- PF NAVRAD Papette - V mkr (GLT-NM)
 17380 C 0130 FUM- PF NAVRAD Papette - V mkr (GLT-NM)
 GUAM: 13300 U 0544 Guam Aero wkg SOUTH PACIFIC 41 (JCH-MD)
 HI...: 5574 U 0532 Honolulu Aero wkg EVERGREEN 2904 (JCH-MD)
 8843 U 0431 Honolulu Aero wkg AMERICAN 160 (JCH-MD)
 8867 U 0428 Honolulu Aero wkg AGAR 25 (JCH-MD)
 8903 U 0451 Honolulu Aero wkg NAVA RAT 02 (JCH-MD)
 8984 U 0451 Honolulu Aero wkg NAVA RAT 02 (JCH-MD)
 MARC: 7836.6 U 1045 NRV6- Marcus Iorann wkg Iwo Jima Iorann (MTC-AZ)
 NCAL: 12858a C 1912 FUJ- PF NAVRAD Noumea - V mkr (BFS-CA)
 22461a C 2030 FUJ- PF NAVRAD Noumea - V mkr (BFS-CA)
 22640a C 0120 FUJ- PF NAVRAD Noumea - V mkr (BFS-CA)
 8504 C 0516 ZLB- Awarua MARCO - DE/GSX mkr (BFS-CA)
 NZEL: 8828 U var. Auckland VOLMET (NRC-MA) (JCH-MD)
 8867 U 0633 Auckland Aero wkg QUANTAS 48 (JCH-MD)
 8997 U var. Christchurch wkg XRAY DELTA 03 & 07 (MTC-AZ)
 25533.1 C 1934 ZLB- Awarua MARCO - DE mkr (NRC-MA)
 ***** ANTARCTICA *****
 8997 U 0554 NQJ- Siple Radio wkg McMurdo Station (MTC-AZ)
 8997 U 0804 KWI 910 (RNZAF) wkg Mac Center (MTC-AZ)
 8997 U 0556 NFX- South Pole Radio wkg McMurdo Station (MTC-AZ)
 ***** SHIPS *****
 2182.0 U 2126 GUEG- BRITISH RESOLUTION wkg CG 1501 (JCH-MD)
 2182 U 2237 m/v LUCIAN wkg RAINBOW 1 - along with the above &
 m/v SALLINS, SAR for vessel WINDEMERE (OC-DE)
 5910 U 2128 UTC LIBERTY wkg HANGER AF - SSSUP (BLA-PA)
 6200 U 1206 WTD0- NOAA OREGON 2 wkg CG Miami (MTC-AZ)
 6506.4 U 1408 6ZLZ- HOUSTON TRADER wkg CG Guam (RFP-TX)
 8984 U 2008 NPOB- CGC DALLAS wkg CG 2136 (OC-DE)
 13113.2 U 1640 NRU0- CGC POLAR SEA wkg CG San Francisco (JDM-MN)
 16486 U 1941 m/v VIKING SEA wkg WOM (MDL-ME)
 16587.1 U 1903 WBBY- EXXON CHARLESTON p/p via KHT (JCH-MD)
 ***** AIRCRAFT *****

22455.8 1430 50/8500 PWZ33- Rio de Janeiro NAVRAD- WX (RMA-FRAN)
 23030.0 1031 ----- BUL EMB Beijing PRC - tfc (JK-FRG)
 23502.0 1114 75/425r SAM48- SWED EMB Damascus SVRA- msg SAM (AM-UK)
 23505.8 1016 SAM78- SWED EMB Tunis TUNI- msg to SAM (JK-FRG)
 23506.0 1047 75/425r SAM78- SWED EMB Tripoli LYBA- msg SAM (AM-UK)
 ***** obviously one of the above is incorrect - which is correct??
 23389.0 1900 75/850r LOR- Puerto Belgrano NAVRAD ARGN- WX (JEB-GA)

***** VLF//LW//MW *****
 286.0 C 0512 HI- Highland Light MA - NDB (MDL-ME)
 286.0 C 0511 MI- Manana Island Fog Singal ME - NDB (MDL-ME)
 286.0 C 0509 MP- Montauk Point Light Station NY - NDB (MDL-ME)
 295.0 C 0522 SH- Scituate Harbor MA - NDB (MDL-ME)
 304.0 C 0526 BH- Boston Lighted Horn Buoy MA - NDB (MDL-ME)
 311.0 C 1854 CH- Chatham MA - NDB (MDL-ME)
 326.0 C 0531 FC- Frederickton NB CAN - NDB (MDL-ME)
 328.0 C 0535 BLO- Belknap Laconia Muni Airport NH- NDB (MDL-ME)
 338.0 C 0544 CCM- Augusta ME - NDB (MDL-ME)
 330.0 C 0542 BH- Bar Harbor ME - NDB (MDL-ME)
 340.0 C 0554 YH- Mont Joli, Rimouski PQ CAN - NDB (MDL-ME)
 341.0 C 0550 YIU- Kapuskasing ONT CAN - NDB (MDL-ME)
 368.0 C 0555 IMR - QTH unknown - NDB (MDL-ME)
 374.0 C 0544 SA- Sabie Island CAN - NDB (MDL-ME)
 385.0 C 0538 NA- Natasquan PQ CAN - NDB (MDL-ME)
 392.0 C 0533 ML- Charlevoix PQ CAN - NDB (MDL-ME)
 396.0 C 0526 JC- Rigdet NFLD CAN - NDB (MDL-ME)
 404.0 C 0611 YSL- St. Leonard NB CAN - NDB (MDL-ME)
 516.0 C 0604 YMA- Petewawa ONT CAN - NDB (MDL-ME)
 1613.0 C 0446 RAB- Rabinal GUAT - NDB (SN-TX)
 1621.0 C 0459 IND- QTH unknown - NDB (SN-TX)
 1629.0 C 0450 KA81226 - QTH unknown - NDB (SN-TX)
 1649.5 C 0435 IFTU - QTH unknown - NDB (SN-TX)
 1650.7 C 0426 CSMV- QTH unknown - NDB (SN-TX)
 1665.0 C 0440 KA89468 - QTH unknown - NDB (SN-TX)
 1686.0 C 0444 MER- Neecaderas COLO - NDB (SN-TX)
 2020.0 C 0515 G182- QTH unknown - NDB (SN-TX)

***** QSLs *****
 ALGB: 7TA8- Algiers MARCO - Card in 21d- IRC - 12662 kHz (PAG-UK)
 CAN : CKN- GANNWIL Vancouver - Card in 50d WS- 8463 kHz (JMK-MA)
 VON- St. Johns CGR. - PFC 20d XRP - 2598 kHz (DLS-NY)
 ECUA: HD210A- SFTS Guayaquil- Card 83d IRC - 3810 kHz (MWH-TX)
 ENG.: MTI- Plymouth NAVRAD - Itr in 14d IRC - 4310 kHz (JMK-MA)
 FRAN: FFLJ4- St. Lys MARCO - PFC 88d IRC - 8522.5 kHz (DLS-NY)
 FTH42- SFTS Paris - Card in 56d IRC - 7428 kHz (BS-MA)
 ISRU: 4XZ- Haifa NAVRAD- Card in 90d for IRC - 8518.1 kHz (DLS-NY)

2899.0 U 0314 CLIPPER 114 wkg Gander (CC-DE)
 2932 U 1324 NORTHWEST 4 wkg Anchorage (SM-JPAN)
 2962 U var. LUFTHANSIA 423/KLM 688 wkg Shanwick (CC-DE)
 3016 U 0410 SPRINGBOK 204 wkg New York (CC-DE)
 3574 U var. SPRINGBOK 310/JAPAN AIR 64 wkg San Francisco (JDM-WN)
 3574 U var. NORTHWEST 18/JAPAN AIR 62 wkg San Francisco (JDM-WN)
 5574 U 1445 NORTHWEST 2 wkg San Francisco (SM-JPAN)
 5574 U 1900 CLIPPER 189 wkg Santa Maria (SS-GA)
 5598 U var. KLM 315/AIR FRANCE 254 wkg New York (JDM-WN)
 5616 U 1516 LUFTHANSIA 435 wkg New York (SS-GA)
 5628 U var. NORTHWEST 18/EMPRESS 402/404 wkg Anchorage (JDM-WN) (BFS)
 5628 U var. UNITED 150/JAPAN AIR 62 wkg Anchorage (JDM-WN)
 5628 U var. JAPAN AIR 72/GLIPPER 10 wkg Tokyo (JDM-WN)
 5643 U var. CLIPPER 15/QUANTAS 11 wkg Nandi (JDM-WN)
 5643 U var. EMPRESS 301/SOUTH PACIFIC 701 wkg Nandi (JDM-WN)
 5643 U 1557 CONTINENTAL 001 wkg Nandi (SM-JPAN)
 5643 U 0820 NEW ZEALAND 4 wkg Auckland (BFS-CA)
 5643 U var. QUANTAS 4/NEW ZEALAND 21 wkg Sydney (JDM-WN)
 5692 U CG 1481 wkg CGAS San Diego (JCH-WD)
 5696 U var. CG 2103, 1479, 2121, 1485, 1501 wkg CG New Orleans (SS-GA)
 5696 U var. CG 1470, 1703 wkg CG Miami (SS-GA)
 5696 U var. CG 1504, 1471, 1433, 01 wkg CG Portsmouth (JFH-MA) (SS-GA)
 5696 U var. CG 1468, 1501 wkg CG Miami (JDM-WN) (JFH-NA)
 5696 U 0231 CG 1453 wkg CG Long Beach (DLS-NY)
 5696 U 1221 CLIPPER 198 wkg New York (SS-GA)
 5696 U CG 01 wkg Andrews AFB (HAL-OH)
 6683 U 1403 CANMIL 6924 wkg CANMIL Halifax (JDM-WN)
 8826 U 1728 AIR FRANCE 205 wkg New York (SS-GA)
 8843 U 1620 WESTERN 530 wkg San Francisco (SS-GA)
 8861 U var. LUFTHANSIA 512/SPRINGBOK 201 wkg Dakar (CC-DE)
 8861 U var. AIR FRANCE 093 wkg Dakar (JWE-TN) (SS-GA)
 8861 U var. AIR FRANCE 095/SAS 958 wkg Dakar (CC-DE)
 8861 U var. CALEDONIAN 663/ARGENTINE 137 wkg Dakar (CC-DE) (SS-GA)
 8861 U var. ARGENTINE 127/AEROFLOT 350 wkg Dakar (SS-GA) (JDM-WN)
 8865 U var. AIR PACIFIC 551/GLIPPER 816 wkg Nandi (BFS-CA)
 8879 U var. AIR FRANCE 017/004 wkg Gander (CC-DE)
 8879 U var. SPEEDBIRD 192/193 wkg Gander (both Concorde's) (CC-DE)
 8879 U var. EL AL 009/SPEEDBIRD 277 wkg Gander (CC-DE)
 8891 U 0629 SPEEDBIRD 6 wkg Cambridge Bay (CC-DE)
 8894 U var. NIGERIAN 809/840 wkg Niamey (JDM-WN)
 8918 U var. CLIPPER 219/EASTERN 947 wkg New York (JDM-WN)
 8933 U 0023 SPRINGBOK 256 wkg Johannesburg LDCO (CC-DE)
 8942 U var. JAPAN AIR 760/SPEEDBIRD 287 wkg Bangkok (BFS-CA)
 8942 U var. CLIPPER 5/JAPAN AIR 710 wkg Bangkok (BFS-CA)
 U 1714 JAPAN AIR 718 wkg Hanoi (BFS-CA)

JAPN: JTB- Nagasaki MARCO- Gard in 18d for IRC- 16877.5 kHz (JMK-MA)
 JJY- SFTS Tokyo- Gard in 63d for IRC - 8000 kHz (MHM-TX)
 MADE: CUB- Funchal MARCO- Gard in 23d for IRC - 8461 kHz (JMK-MA)
 NCAL: FUJ- FF NAVRAD Noumea - Ltr in 50d 2IRCS- 16938 kHz (AJD-NJ)
 NZBL: ZLB- Awara MARCO - Card in 24d for IRC - 22533 kHz (JMK-MA)
 NOR.: LFX- Rogaland MARCO- Telegram in 8d for 2IRCS- 16928.4 kHz (AJD)
 SENE: GFW- Dakar NAVRAD - PFC/Ltr in 40d MS- 16951 kHz (DLS-NY)
 SUHI: PZM- Paramaribo MARCO - Gard in 25d IRC - 8652.5 kHz (JMK-MA)
 SWED: SAG4- Goteborg MARCO - 2 Cards 35d IRC- 8498 kHz (JMK-MA)
 TRIN: 9YI- Port of Spain MARGO - Ltr in 18d IRC- 8441 kHz (JMK-MA)
 USA.: WLO- Mobile AL MARCO- PFC 79d MS - 4351.9 kHz (DLS-NY)
 WNF- Paramaribo MARCO - Card in 09d MS- 2870 kHz (no name)
 WHH- Baltimore MD MARCO- PFC/Ltr 10d XRP- 17094 kHz (BFS-CA)
 KLB- Seattle WA MARCO- rpt returned verified-24d MS (JMK-MA)
 WJ... AJG- Mt. Carmel Muni Airport, NC- PFC in 7d MS- 422 kHz (HH-MD)
 SLIP- Rookingham City Airport, NC- PFC in 11d MS- 420 kHz (HH-MD)
 OMG- Douglas Muni Airport GA- PFC in 149d for IRC- 8364.4 kHz (HH-MD)
 FJB- Ashe City Flying Service, Jefferson NC-Ltr-18d-410 kHz (HH-MD)
 PO- Poughkeepsie NY- veri via FAA-PFC 240d - 403 kHz (HH-MD)
 HQP- Harnett City Airport Erwin NC- PFC 30d MS- 417 kHz (HH-MD)
 GFG- Leesburg Muni Airport, MD- PFC 161d MS- 378 kHz (HH-MD)

SHIPS:

DCBN- NATALIE BOLTEEN- PFC/Pic in 31d IRC- 12546.8 kHz (HH-MD)
 WSRP- BROOKS RANGE- PFC in 88d for MS- 12330 kHz (HH-MD)
 LILIY- ROYAL VIKING STAR- PFC/PIC in 82d IRC- 12330 kHz (HH-MD)
 PEOB- HECTOR- PFC in 43d for IRC - 12370 kHz (HH-MD)
 SLOX- GOLDEN CAPE- PFC in 149d for IRC- 8364.4 kHz (HH-MD)
 GWED- ARTAK- Ltr/Pic in 59d for XRP- 8360 kHz (HH-MD)
 DHCW- COLUMBUS WELLINGTON- PFC in 55d IRC- 8373.3 kHz (HH-MD)
 LDTR- VESTRI- PFC/Pic in 83d for IRC- 16720 kHz (HH-MD)
 JTHE- IBARAKI MARU- PFC - IRC 12545.4 kHz (HH-MD)

**** We had 53 contributors this month. You are:

(DK-CA) DAVID KEENAN
 (RMA-FPAN) ROGER AKED
 (TJK-MI) TOM KEPHART
 (RMA-IA) BRIAN ALEXANDER
 (PTK-IL) PATRICK KERRIGAN
 (JK-FRG) JOERG KLINGENFUSS
 (KWK-VA) KRAIG KRIST
 (RAL-OH) ROBERT LEARY
 (MDL-ME) MIKE LEONARD
 (SM-JPAN) SATOSHI MIYAUCHI
 (AM-UK) ALEX MOORE
 (MHM-TX) MIKE MOORE
 (RPM-GA) RALF MUNSTER

(RMA-FPAN) ROGER AKED
 (BLA-FA) BRIAN ALEXANDER
 (RMA-IA) ROD ALEXANDER
 (RHA-UK) RICHARD ARLAND
 (FWB-NJ) FRED BELGHAUS
 (JEE-CA) JASON BERRI
 (BFB-NH) BERNARD BIRON
 (GLB-FL) GARY BLEDSOE
 (FB-FRG) FRED BODENHAGEN
 (DB-AR) DON BREWER
 (NRC-MA) NORMAN CAPOREITTE

8984.0 U var. CG 2136, 1468, 2114 wkg CG Miami (JDM-MN)
 8984 U var. CG 1700, 2136 wkg CG Miami (SS-GA)
 9011 U 1243 MAC 0853 p/p Fairfield CP via Croughton (RHA-UK)
 10048 U 2048 CG 1603 wkg Anchorage (BPS-GA)
 11176 U 1551 MAC 80220 p/p Torrejon CP via Incirlik (RHA-UK)
 11176 U 1705 MAC 59413 wkg Albrook AB (RWP-TX)
 11176 U 1557 MAC 38075 p/p Ramstein CP via Croughton (RHA-UK)
 11179 U var. MAC 60140/MAC 70165 wkg MacDill AFB (JDM-MN)
 11182 U 0904 MAC 00465 p/p Dover Metro via Scott AFB (SS-GA)
 11182 U 1714 MAC 60974 p/p Dover Metro via Scott AFB (JDM-MN)
 11204 U 2344 ASCOT 4945 (RAF) c/g ARCHITECT (JCH-MD)
 11233 U 0639 CANMIL 513 wkg CANMIL Trenton (SS-GA)
 11233 U 1354 CANMIL 6113 wkg CANMIL Edmonton (JDM-MN)
 11233 U 1705 CANMIL 4410 wkg CANMIL St. Johns (JDM-MN)
 11239 U 1635 MAC 50228 p/p Norton CP via McCallan AFB (JDM-MN)
 11246 U var. MAC 60147/MAC59412 p/p FORMAT via MacDill AFB (SS-GA)
 11354 U var. SPRINGBOK 254/230 wkg Johannesburg LDOC (CC-DE)
 11396 U 1752 QUANTAS 28 wkg Ujung Pandang (BPS-GA)
 11396 U var. CUBANA 492/AMERICAN 661 wkg San Juan (JWE-TN)(JDM-MN)
 11396 U var. MAC 60526/INTERNATIONAL N42867 wkg N.Y. (JWE-TN)(CC-DE)
 11396 U var. DELTA 1161/DOMINICA 910 wkg New York (JDM-MN)
 11396 U var. MAC 60178/CLIPPER 225 wkg New York (SS-GA)
 11396 U var. PAKISTAN 805 c/g Karachi (JCH-MD)
 13240 U 1038 MAC 38078 p/p Charleston CP via MacDill (SS-GA)
 13247 U 1700 MAC 60148 wkg Andrews AFB (JDM-MN)
 13300 U 0628 MAC 60181 wkg Guam Aero (JCH-MD)
 13330 U 1615 AMERICAN 645 wkg Fort Worth LDOC (JDM-MN)
 15015 U 2004 MAC 50234 p/p via Scott AFB (NRG-NA)

**** TACTICAL ****
 4628a L 0200 67 wkg REPAIRMAN VICTOR (PTK-II)
 5616 U 0124 GATIRD wkg Gander Aero (PTK-II)
 5688 U 1927 SAM 31682 wkg Andrews AFB (BLA-PA)
 5700 U 0400 VULCANIZE wkg Andrews AFB (RAL-OH)
 5810 U 1332 HANGER AF wkg unkn ship - SSSup (RWP-TX)
 6506.4 U 1143 BRAYO 3 UNIFORM wkg CG San Francisco (RWA-IA)
 6506.4 U 1407 VICTOR 3 YANKEE wkg CG San Francisco (RWP-TX)
 6506.4 U 1359 XRAY 5 ECHO r/c with CG Kodiak (RWP-TX)
 6683 L 1421 AIR FORCE 2 wkg Andrews AFB (RAL-OH)
 6715 L 2222 AIR FORCE 1 wkg Andrews AFB (BLA-PA)
 6715 L 1755 AIR FORCE 2 p/p SAM CP via Andrews AFB (RAL-OH)
 6715 L 1506 SAM 26000 p/p via Andrews AFB (RAL-OH)
 6716 U 0652 NOVEMBER 8 WHISKEY wkg CANMIL Halifax (BLA-PA)
 6720 U 1517 HOTEL 7 REMEO wkg ECHO 8 ECHO (JDM-MN)
 6723 U 0828 INDIA 9 ECHO wkg MIKE 0 NOVEMBER (SS-GA)

(CC-DE) CORNELIA CAMPBELL
 (POC-RI) PETER CARD
 (MTC-AZ) MIKE CHABAK
 (LJC-WV) LARRY CHICKRELL
 (PAC-UK) PETER CONWAY
 (AJD-NJ) A.J. DEINET
 (JWE-TN) JAMES EVANS
 (BRF-MD) EDWARD FLYNN
 (GG-GA) GARY GONZALES
 (JCH-MD) JAMES HARTUNG
 (DRH-PA) DONALD HEIN
 (JFH-MA) JOHN HENAULT
 (RMH-NY) RUTH HESCH
 (HH-MD) HANK HOLBROOK
 (BLJ-TX) BRIAN JONES
 (JMK-MA) JOHN KAPINOS

(SN-TX) SAM NEAL
 (JMN-CA) J. MICHAEL NOWICKI
 (SBP-CO) STEVEN PACETTI
 (?P-WA) ? PALMER
 (RWP-TX) ROGER PETTINGILL
 (FLR-KS) ROBERT RANKIN
 (BPS-CA) BRYAN SHARPE
 (GS-MO) CHARLES SHRYOCK
 (SS-GA) STEVEN SOMENSHINE
 (ES-WA) EDWARD SOOMRE
 (DLS-NJ) DAVID SPRAKER
 (RDS-NJ) RICHARD STEIN
 (WJS-ONT) WILF STONE
 (GLT-NM) GLENN THOMPSON
 (JDM-MN) JOHN WILLIAMS

**** Asking your input - Some of my short wave broadcast monitoring friends, believe that utility monitors are a weird bunch. Indeed, I'm weird, but of the utes I know, most are A-OK. This got me to thinking about running a survey of the Speedx utility gang.

Next time you send me submissions, PLEASE JOT DOWN YOUR AGE AND OCCUPATION: (student, doctor, retiree, president, mad scientist, or whatever.)

I will compile a list, (but minus your individual names) of professors* and age stats, and present the results in a later column. (* no need to name your employer)

Let's show our ISMBC brethren, that we are as "normal" as they are. By the way, yours truly is: 41, offset printing press operator for the University of Arizona.....

**** For you new Speedxers: In return for (1) first class stamp, I will send you a 9 page Abbreviations & Terminology/Country Code List-A&T/C list..... This will help you make sense of the abbrevs.

**** AME-3..... This callign recently surfaced, and has caused much controversy. Some say it is Madrid NAVRAD, but the ongoing analysis indicates this call to be associated with the USSR. Prevailing theories are: vessel, possible research type, or a Soviet installation, outside of European continent. Does anyone have CONCRETE EVIDENCE to positively identify AME-3 ??????

73s one and all.....See you next month.

MTC

CONTRIBUTORS LIST

JANUARY 1984

EDITED BY: JOHN TRAUTSCHOLD & THE ALTAIR 8800 COMPUTER
P.O. BOX 861, MENOMONEE FALLS, WI 53051-0861 U.S.A.

TOTAL CONTRIBUTORS: 169

5	ABBOTT, STEVEN	IL	6	KRIST, FRAIG	VA
6	ADAMS, ROBERT	MA R2000	3	LANGLOIS, HAROLD	GA
4	ADDISON, JOE	KS R600	1	LEARY, ROBERT	OH FRG7700
1	AKED, ROGER	FR NR515	1	LEEMAN, JOSEPH	RI
1	ALEXANDER, BRIAN	PA FRG7700	3	LEITE, STEVE	MA IC-R70
1	ALEXANDER, RODNEY	IA IC-R70	3	LEONARD, MICHAEL	ME TS-430S
1	ALEXANDER, SAM	NC DX302	5	LIEU, ALLEN	CA
1	ARLAND, RICHARD	UK R600	6	LIPMAN, E.	NY
1	BAKER, DONALD	DE	2	LORD, EARLE	CA FRG7700
5	BARTO, SAM	CT	2	LUTSKY, LARRY	QU
1	BELGHAUS, FRED	NJ	3	MACGIBBON, BRUCE	OR R1000
2	BERRI, JASON	CA RF2900	5	MAHONEY, MICHAEL	FL SPR4
5	BINGHAM, FRANK	MA R7000	2	MANNING, SANDRA	TX
3	BIRON, BERNARD	NH ICF2001	3	MENDEZ, LUIS	NY
2	BLACK, DONALD	NH IC720A	6	MIYAUCHI, SATOSHI	JP TS-430V
5	BLANCHETTE, MARION	FL R600	1	MOORE, ALEX	UK
1	BLED SOE, GARY	FL DX302	5	MOORE, MICHAEL	TX
3	BODENHAGEN, FRED	FG SAT3400	1	MORGAN, STEWART	NC
3	BRENESAL, BARRY	FL	3	MUNSTER, RALF	GA R7/DR7
6	BREWER, DON	AR R1000	1	MURFF, NATHAN	NM
1	BYE, HARLAN	PA	2	MUZYKA, WILLIAM	NY RF4900
3	CACERES, MARCOS	NY	1	MCCANTS, DONALD	AL RF2200
4	CADORETTE, NORMAN	MA IC-R70	3	MCDOWELL, JOHN	IL ICF2001
1	CAMPBELL, CORNELIA	DE NR515	9	MCKEON, THOMAS	IN R1000
8	CARD, PETER	RI NR505	1	NEAL, SAM	TX RBC5
1	CEREGHIN, JOHN	MD	1	NONEMAN, CLAUDE	MI
1	CHABAK, MIKE	AZ	2	NOWICKI, MICHAEL	CA R392
3	CHICKERELL, LARRY	WV DX400	3	OLSON, CARL	MD
1	CHINSKY, MARK	NY RF2600	3	PACETTI, STEPHEN	CO NR515
1	CLAYTOR, DAVID	OH R1000	7	PALMER, BOB	WA
3	COLEMAN, ROBERT	MA	5	PARKS, WILLIAM	FL HR060
1	CONWAY, PETER	UK 51J-4	1	PETTENGILL, ROGER	TX NR515
1	COOK, DAVID	CA FRG7700	1	PFEFFER, MORRIS	NY
3	CUBITT, MARSHALL	ON GR 54	2	FIMBLETT, NIGEL	AB R600
1	CUNNINGHAM, LARRY	OH	2	POLSGROVE, WILLIAM	FL ICF2001
5	D'ANGELO, RICHARD	PA NC190	4	PRATH, JOHN	FI FRG7000
1	DAVIES, STEVAN	PA HQ140X	1	RANKIN, ROBERT	KS R7/DR7
1	DECKER, FRANK	NY	6	RAY, RICHARD	PA FRG7700
1	DEINET, A.J.	NJ NR515	3	RENN, JIM	WA DX100
1	DEMMITT, JOHN	MA HOMEBREW	1	RIESER, FRED	NE
2	DESROSIERS, ROBERT	MA IC-R70	4	RISING, ALLEN	CA IC-R70
1	DILLAMAN, JOHN	OH	10	ROBINSON, BETSY	TN ICF2001
5	DILLON, PETER	PA ZENITH T	2	RYEDER, REDD	FL WD MN II
5	DROLLINGER, RICK	WI HQ160	6	SABLE, THOMAS	NY TS-430S
1	DUCOS, PIERRE	FR SAT3400	1	SAMPSON, DANIEL	WI
4	DUNCAN, GREGORY	NC	4	SCHULSINGER, MICHAEL	OH FRG7
1	ENGLISH, JOHN	TX DX302	1	SCHWARTZ, JOE	NY
2	EVANS, JAMES	TN RF2200	2	SHARP, DAVID	FL HQ129X
1	FALBO, A.R.	OR	1	SHARPE, BRYAN	CA DX302
4	FAMULARO, RALPH	NJ RF2800	2	SHEEDY, DANIEL	CA
4	FISHER, ALLEN	NM DX200	4	SHIMADA, SENSU	JP FRG7700
3	FLEISCHAKER, TED	KY ICF2001	1	SHRYOCK, CHARLES	MD FRG7700
1	FLYNN, EDWARD	MD NR515	3	SMALLWOOD, JAMES	FG RF4900
4	FRASER, BOB	MA XCR30	2	SMITH, TOM	FI XCR30
2	GAMMIE, CHARLES	MI R1000	1	SMITH, TRAVER	CA NR505
1	GEORGE, CHARLES	TX SSR1	1	SMITH, WOODSON	TN
1	GONZALES, GARY	CA	1	SONENSHINE, STEVEN	GA
1	GORDON, MARK	CA	7	SODMRE, EDWARD	MA R1000
2	BREEMBAUER, DANIEL	AZ RF2800	5	SPEER, RICHARD	CA RF2900
2	GROSVENOR, NORMAN	CA FRG7	1	SPRAKER, DAVID	NY
1	HALL, STU	CA DX300	5	STANLEY, TREVOR	AZ NR515
1	HARRINGTON, ROB	CO	5	STEIN, RICKY	NJ FRG7700
1	HARTUNG, JAMES	MD R7/DR7	6	STEPHANY, NOLAN	NY R392
1	HEIN, DONALD	PA	3	STINER, ROLAND	NY FRG7000

3	HENAUT, JOHN	MA RF3100	6	STONE, WILF	DN
9	HESCH, RUTH	NY R1000	1	STREETER, ROBERT	NY
1	HOLBROOK, HANK	MD HQ129	1	STUTTERHEIM, MARIO	NY
5	HOSMER, DONALD	MI R2000	4	TALBOT, JOE	AB R1000
3	HOTALING, STAN	NV RF2800	4	TALBOT, LARRY	WI FRG7
1	HOWARD, FORREST	CA	2	THOMPSON, GIENN	NH FRG7
2	HUFFAKER, CARL	MX	5	THOMPSON, FEGGY	CA FRG7
7	HULL, DICK	WA	2	THUNBERG, BOB	PA HQ200
3	JOHNSON, DAN	CA	2	TIMOFFEV, ALEXANDER	FG ICF2001
2	JOHNSON, DON	CA	5	UERINGS, JAMES	OR SPR4
1	JOHNSON, FRED	IL RF2200	3	ULMER, DOUG	IA R1000
6	JONES, BRIAN	TX IC-R70	4	VAN HORN, GAYLE	TX RF3100
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1	KLINGENFUSS, JOERG	FG NRDS15	3	ZIMMERMANN, DIRK	FG
2	KOSUGUIDA, SHINI	JP R2000			

THE FOLLOWING COLUMNS DIRECT CONTRIBUTIONS WERE NOT RECEIVED IN TIME:
PROGRAM PANORAMA / TIPS & TOPICS

THE FOLLOWING COLUMNS ARE INCLUDED FROM LAST MONTHS BULLETIN:
EUROPE

Ho, Ho, Ho, and MERRY CHRISTMAS everyone. What a way to be spending Christmas day, huh? Well, it's got to get done so what the heck. Anyway, we are still publishing here in Menomonee Falls, but things are getting more and more behind here. This issue may be way late, and I'm sorry for that, but we are doing the best we can under the circumstances. It does look though like we have a new publisher for you. We are still checking out printers, prices, etc., but we will let you know soon who the new publisher will be.

Also, once again this reminder that I am temporarily going to drop your contributor info from the computer address labels. I will continue to keep things manually until I get the program working again. Now that the holidays are over I should have a bit more time to try to get the fix done. With the possible change in publisher though, your labels might start looking a bit different. Again, I'll keep you up to date as to what is happening with that as well.

Well, I have three pages to play with this month, so I am going to catch up on ads. We have been receiving quite a few lately, and as you know they are free for members, and on a first come, first served basis. All ad material goes to David Sharp our DX Montage ed.

Also, I'm sure that by now you noticed the new format. The same content is there, we just changed columns around a bit to conform to what you have been asking for in the recent questionnaires. We are now placing all of the textual material up front, and put Program Panorama and Station Skeds together, since they do compliment one another. We then follow that with the SWBC Section and QSL's. Finally the UTE section and Contributors. We hope that this give more of a flow to the magazine, and that you enjoy the new layout. One major comment to us has always been, "Why put Tips & Topics way in the back?" It is one of the most read sections, and now it's up front, where it belongs. If you have any comments on this new format, please let us know. We also have some other changes in the making for 1984. We'll let you know as they come about.

And now, onto the ads.....

JOHN

Send all ads to: David Sharp, 17602 Meadowbridge, Lutz, FL 33549-5576.

=====
For Sale: NRD-515 rcvr, modified br Radio West, w/ 3 Collins filters and matching speaker. 1075.00 includes UPS shipping. Mark Gorden (415) 556-5116 days, (415) 752-2013 eves and weekends.

For Sale: Microlog AVR-2 Video Display Terminal. Converts RTTY and CW to video display, and printer output. Accepts Baudot and ASCII; CW to 120 wpm. Cost 599.00 new. Price 400.00 or best offer. I will pay shipping, and also include RTTY press frequency lists. Item is as new. Mike Cooper, 1267 Sky Haven Rd., Atlanta, GA 30316. 404-627-2834.

For Sale: Kenwood R-1000 rcvr, 300.00. MFJ RF Preselector/30 dB. Preamp model MFJ-1045, w/ 110 VAC wall supply, 70.00. All in like new condx with manuals. Robert Brock, 1816 Chapman Dr., Waukesha, WI 53186. (414) 547-5559.

For Sale: Info-Tech M-200F Convertor/Decoder, ASCII, Baudot, +CW. Exc con, 1 yr old, manual, original carton, and World Press Freq. Book at 295.00+ shipping. C.O.D. or M.O. please. E.D. Krolak, 173 W. Labo, Carleton, MI 48117, (313) 654-8387.

For Sale: Sony 2001, 1 yr old, 125.00; 40 ch. Radio Shack CB, 50.00; MFJ CW filter (3 settings), 17.00; Ten-Tec Century 21 Ham Bands trcvr, 250.00; Radio Shack DX-60, 50.00; Hitachi SW, MW, LW revr, 20.00. Call Tom Sable at 212-365-8752 days 212-579-2870 nights, or write to 2502 Belmont Ave., Bronx, NY 10458.

For Sale: Autek QF1A SSB/CW/AM filter, in exc condx, w/manual, 45.00 includes shipping. MFJ 901 Antenna Tuner, also exc condx, 25.00 inc. postage. Steve Leite, 190 Healy St., Fall River, MA 02723, or call: 1-617-675-2830.

For Sale: Sony 6800W ("orange"), exc shape, 450.00--I will pay shipping. Send check or M.O. to Barry Brenesal, 1005 SW 60th Terrace #A, Gainesville, FL 32607. Call (904) 373-7474 after 2300 GMT.

FOR SALE: Am getting married, must sell Kenwood R-1000, like new, built-in speaker, manual, radio books, headphones, 300.00 firm post-paid. ??? Cady, 2970 N Sheridan, #1219, Chicago, IL 60657, 312-871-0987.

FOR SALE: Bearcat 300 crystalless programmable scanner. 1 yr. old, exc condx, used only 50 hrs. Will sacrifice for 250.00. Original carton+ owners manual. Mike McKinstry, KDX4H, 1326 S. George Mason Dr., Apt. B, Arlington, VA 22204, AC (703) 486-2765 anytime after 2300 UTC. I will pay shipping and insurance.

FOR SALE: Kantronics Field Day 2 RTTY/CW/ASC II reader. Like new. 200.00. Jim Hartung, 601 Howe Dr., Aberdeen, MD 21001.

FOR SALE: Kenwood R-1000 receiver, 300.00. MJF HF Pre-selector/30 db. Preamp Model MFJ-1045, with 110 VAC wall supply, 70.00. All in like new condx with manuals. Robert Brock, 1816 Chapman Dr, Waukesha, WI 53186, or call (414) 547-5559.

FOR SALE: Microlog AVR-2 Video Display Terminal. Converts RTTY and CW to video display, and printer output. Accepts Baudot and ASC II; CW to 120 wpm. Cost 599. new. Price 400.00 or best offer. I will pay shipping, and also inc. RTTY press freq. lists. Item is as new. Mike Cooper, 1267 Sky Haven Rd, Atlanta, GA 30316. 404-627-2834.

FOR SALE: Palomar P-308 preamp (AC version), unused and in mint condx, 50.00. Edward Pyatt, 1870-A2 Myrtle Dr, SW; Atlanta, GA 30311. Phone (404) 758-9513.

FOR SALE: Radio Shack DX-150B, Allied SX-190, also three scanner rcvrs. Both SW receivers have been modified for special applications, so write or call if interested. L.P. Benjamin, 3986 Mesa Cir Dr-201, Lompoc, CA 93436. (805) 733-4269. No collects accepted.

WANTED: Cassette recording of KNLS w/opening announcements. Also a R. Australia paper pennant. Contact: James Smallwood, Box 259, APO NY, 09611.

FOR SALE: Sony 2001, 1 yr old, 125.00; 40 ch Radio Shack CB, 50.00; MFJ CW filter (3 settings) 17.00; Ten-Tec Cent. 21 ham bands trcvr, 250.; Radio Shack DX-60, 50.00; Hitachi SW, MW, LW revr, 20.00. Call Tom Sable at 212-365-8752 days 212-579-2870 nights, or write to: 2502 Belmont Ave., Bronx, NY 10458.

WANTED: E.H. Scott Radios. State condition and price. Tom Ward, 1409 E. Linebaugh Ave., Tampa, FL 33612.

REMEMBER....that ads are printed on a first come, first served basis, and should be sent to: David Sharp, 17602 Meadowbridge, Lutz, FL 33549-5576.

THE OFFICIAL DX MAGAZINE PUBLISHED MONTHLY BY SPEEDX

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COVER DESIGN FOR JANUARY: PEGGY THOMPSON-CA

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