

SPEEDX

SPEEDX

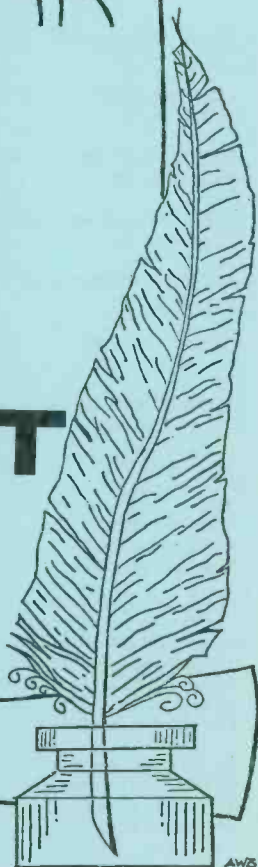
the dx radio magazine
for active shortwave listeners

SPEEDXER
OF THE YEAR

KEN

EARHART

'80



FEBRUARY 1981

vol xi no ii

AWZ



KEYNOTES

SEND INFO OF GENERAL INTEREST TO THIS SECTION. HOBBY MEETS, WANT ADS, USEFUL PUBLICATIONS OR DXING AIDES, WHERE TO SEND FOR INFO AND, SHORT ITEMS NOT FITTING THE OTHER SECTIONS OF THE BULLETIN. DEADLINE: 12th.

EDITED BY:

DON JOHNSON, P. O. BOX E, ELSINORE, CA 92330 USA



CONGRATULATIONS TO NINE NEW FULL MEMBERS

| | | |
|-------------------------------|-----------------------------------|---------------------------------|
| JERRY BERG Lexington KY | DALE PARK Honolulu HI | MARK SCHLESINGER Clute TX |
| RICKY BLEDSOE Fordland MO | THOMAS PICARELLI Sunnymeade CA | RICHARD STECK Lake Forest IL |
| JOHN MILLER Thomasville GA | PAUL SAUNDERS Hollywood FL | TERRY LINDLEY Birmingham AL |

Each has received our attractive FULL MEMBER CERTIFICATE and a copy of the SPEEDX Constitution. Plus are now eligible to take part in our elections later this year.

WELCOME TO THE FOLLOWING NEW MEMBERS

| | | |
|---------------------------------------|--|--|
| KELLY HARRIS(DX-302) Chewelah WA | ROGER ROOSA(DX-160) Baytown TX | DENNIS DAHLQUIST(RF-2900) Mission TX |
| WILLIAM KREPS(R-1000) Branson MO | CHARLES TUCKER(SPR4) Richmond VA | ANTHONY IVERSEN(R-1000) Los Angeles CA |
| EUGENE BIALEK(FRG-7) Bethesda MD | LARRY GADALLAH(R7) Winterburn Ontario | HAROLD TATE(SEARS 412) Bridgeport WV |
| MARK HUGHES(RF-2600) Chicago IL | HARRIET KAISEMAN Santa Margarita CA | HAROLD LANGLOIS(NC-98) Lithonia GA |
| BRIAN MCKOWN(DX-160) Norco CA | ARNOLD HONKO Hornepayne Ontario | GERALD FELDMAN(RF-2800) Canton MA |
| LOUIS KRUGER(RF-4900) Cambridge MA | ANDY KERR Eugene OR | HAROLD WILKINS III(RF-4900) Columbus OH |
| CHARLES EPPS(FRG-7) St Louis MO | KENNETH LANCE Tucson AZ | DOUGLAS PATOSKY(RF-4900) Detroit MI |

Glad you have chosen to join, or re-join, SPEEDX, the club for active SWLs! Now that you are a member how about getting involved by supporting our club. Don't sit on the bench, get into the game! Your contributions will be much appreciated. How do you contribute? Read the New Member Packet you rec'd with your first issue and you will learn the type of material desired and how to submit it. As to where to send that material, see below.

CENTRAL DISTRIBUTION EDITOR

Peggy Thompson, 2706 Alabama Street, La Crescenta, CA 91214 is the CDE. This is one place you can send all material for the bulletin each month. Her deadline is the 7th of the month. With the high cost of postage you can save money this way. Or, if you prefer, you may send items to individual editors at the addresses given on the sections. Their deadline is the 12th of the month.

In either case please cut loggings into strips. If you use our reporting forms, cut apart at the "X's". If you write out your own loggings make them about 1 1/4 inches by 8 1/2 inches in size. Be sure your name and location is on each item so you may receive credit for the material.

Our report forms(SWBC/UTE/QSL)are available for 6¢ each(min. of 10 forms)from club HQS. US cash/check/stamps or IRCs please.



INFLATION = HIGHER ANNUAL DUES

We regret the need to increase membership fees but inflation is an uncompromising foe. When it takes more money to produce and deliver a product, it means more money must come in!

Higher costs for printing and producing the bulletin plus this years TOO MUCH postage increase, make it necessary to hike the rates. Note the mailing cover (back of bulletin) for the current rates, now in effect. Those who

receive a renewal notice with this issue (February) may renew at the old fee IF their renewal is postmarked during February. These are renewals due in March and April only.

The higher cost for overseas members will be a great burden of course but cannot be helped. For example, it costs IN POSTAGE ALONE nearly \$20 to mail 12 issues to A/O & Africa!!!! For members in North America the hike should not be felt as severe. The annual fee is still less than a tank of gasoline and the pleasure derived is far greater.

THANKS ROBERT RZEPKA

Robert Rzepka, an ex-active supporter of the bulletin, sends in his resignation due to a heavy work load at the University of Wisconsin-Green Bay that makes it impossible to continue in the SW hobby. Robert donates the balance of his subscription to HAP. He hopes to be back in the fold of SWLs in the future. (Thanks for HAP Robert. The 8 months donated to HAP are appreciated! We'll be looking for your return.....dj)

PEN PAL IN CAMEROON

Mbankwene Simon, P. O. Box 1365, University of Yaounde, United Republic of Cameroon would like to correspond with hobbyists in English. All letters are welcome to this 20 year old college student. His interests include; the exchange of information about foreign countries and spreading friendship across the seas.

HANDICAPPED AID PROGRAM(HAP)INCORPORATED

SPEEDX is HAPPY to announce that the SPEEDX founded HAP is now officially incorporated as a non-profit organization in the Commonwealth of Massachusetts. The official name is: Handicapped Aid Program-USA, Inc. This means that all donations to HAP are now tax deductible!

EUROPEAN DX COUNCIL COFFERENCE

The 15th EDXC conference will take place May 22-25 this year at Berne in Switzerland. All hobbyists are welcome. This is another good chance to have SWLers and BCers discuss topics of mutual interest in an informal manner. The United Nations have declared 1981 "The Year Of The Handicapped". The EDXC will organize events to publicize and promote the SW hobby among the disabled. For more info or registration forms, write to the EDXC, P.O. Box 4, St Ives, Huntingdon, Cambs PE17 4FE, England. Please send 1 IRC for return postage. Thanks to John Demmitt for this item....

RUMORS...(AND FUN. SOME REAL...SOME IMAGINED)

SPEEDX President and Publisher John Trautschold is rumored to have actually turned his SW receiver on! We hear he was able to log the BBC & VOA in just five hours.....Rudy Espinal is back at Radio Clarin with his usual over patronizing style.....A group of non-handicapped have ousted Davis and plan to run HAP as a business.....Rich & Famous attorney Woody Seymour plans to sue a major broadcaster because reception was poor one evening.....CDE Editor Peggy Thompson is loosing her hair because of late reports. However, her blistered fingers are healing nicely because members are cutting their loggings into strips... ..Pirate station WROI(Ohio) is said to be going on the air every 4th Sunday on 6395 kHz between 0730 & 0900 GMT starting Feb 22nd..... ..KEYNOTE COLUMN is skinny because folks are not sending in material.... SPEEDX & the entire staff say "CONGRADS" to our SPEEDXER OF THE YEAR!!!!

BY JOHN DEMMITT

Working in a television repair shop that has no shortwave receiver can be very frustrating for a SWler, especially during the active DX hours. What to do? Realizing that a radio simply mixes two signals together, I decided to improvise a shortwave receiver from two pieces of common gear in a TV repair shop. A signal generator and an ordinary television set.

I connected the output probe of the signal generator across the VHF antenna input of the TV set. A transistor TV works best because of the harmonics that can be generated.

For the antenna, two long wires are used. Connect one 50' length of wire to the antenna screw with the live output of the sig gen. Connect the other 50' length of wire to the live input of the sig gen.

To operate, set the sig gen band switch to the "E-H" scale. Turn the TV on and set it to channel 2, as this is the closer freq to provide a harmonic in the AM band. Turn the sig gen on and adjust the freq dial. By tuning very slowly you will be able to pick out those SW stations.

By logging the stations in order, as the dial is moved, you will be able to accurately determine the freqs. These can be placed on your log with the sig gen freq so you can locate the same stations in the future.

Anyone needing assistance in this project may contact me at: John Demmitt, Box A K0848, Bellefonte, PA 16823. I'd be happy to help. 73'3

(Editors note: A few eyebrows were raised when we listed John's "receiver" as a Sig Gen & TV in the January SPEEDX. So, we asked John to tell all how it is done. It does indeed work! HQS tried it. We prefer our R-1000 with digital readout but if one does not have a SW receiver available, this shows what can be done. Many thanks John!.....dj)

KEN EARHART

SPEEDXER OF THE YEAR

KEN EARHART

Ken was born in 1907 near KDKA, Pittsburgh and heard his 1st radio pgm on a galena detector set during his early high school days in 1922. College years allows no time for radio in an engineering school, and he received a B.S. in Chemical Eng. in 1930 and an M.S. in Organic Chemistry in 1932. His first introduction to SW radio was via an 18 tube Midwest set in 1937 when Ken and his wife were living in Louisville. It happened to have a SW band on it and Ken got up many mornings at 5-6 am to listen to Australia before going to work. He also hrd several SAM stations in the 1937-39 area and believes he had a plain yellow postcard QSL from HCJB which could not be found when that station and a prize for the oldest QSL card from them several years ago. Starting around Christmas 1971, the SW bug really bit Ken, for good this time. He had only dabbled with SW over the previous years. Ken hrd about the ASWLC over HCJB, wrote for a sample copy of their bulletin and joined that club in Feb. of 1972. In the summer and fall of 1973 while attending SPADES meetings in Harlan Bye's apartment in Swarthmore PA, he met several other DXers including Chris Hansen and John Fischer who were editors for ASWLC. John Fischer recommended SPEEDX to Ken and the first magazine in Ken's library is dated Jan. 1974. He also joined NASWA at that time. Ken started to send reception reports to the 3 clubs he now belonged to. He did considerable DXing for QSLs since joining these clubs and has confirmations from 110 countries and many more stations. In the past several years he has been listening mostly for program content and monitoring for the ANARC FRC. Ken aquired an FRG7 in '76 and sold his original DX150A. In 1979 he bought an NRD-505 to help with his monitoring work for the FRC. Although Ken turned 73 on Dec. 15th, he keeps his mind active technically by working 5 days a week in the Center for Surface and Coatings Research at Lehigh University. Besides his SWling, as a hobby he pampers a small garden in the backyard and has found time to go to several society meetings each year as well as 5 of the last 6 ANARC's. (jrt) (Thanks to Rose Earhart, Ken wife of 48 years for the "gorry" details!)

PROGRAM

FEBRUARY 1981

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

PANORAMA

AUSTRALIA...More on the MAILBAG story. The popular Radio Australia feature was replaced by a program called YOU ASKED FOR IT(We did?-WS). Here are some comments from the February issue of Review of International Broadcasting (#48) concerning MAILBAG and its successor program: (Andy Robins, MI..."A few weeks back, I wrote...RA to protest the demise of MAILBAG. Here is part of the reply I received from Allen Hull, Head of English Programs:"Let me assure you that budgetary considerations were not--in this case--the reason. It's simply that Keith's executive duties with our station give him inadequate time to prepare and present the program each week. Inevitably, we had to grasp the nettle. However, we will continue to answer listeners' letters at the same time each week in a new program called YOU ASKED FOR IT. It will be (hosted) by Norman Griffiths and Sheila Scotter, and we hope that they will establish the bonds of friendship across the world that Keith has established during his 25 years with MAILBAG." Glenn Hauser comments in part:"The continuity announcer after Keith's last MAILBAG hinted that if enough people wrote in protesting, it might be back. So it may not be too late! I made a point of listening to the first YOU ASKED FOR IT. Sounded like something R. Moscow might have done. In fact, I think they did. Every word obviously scripted, boring info about Australia we already know about, and I think never the name of a listener mentioned...None of the sparkle, charm, goodwill, friendship Keith brought to the airwaves without even trying. By the way, just what are Keith's executive duties, I wonder? Even he was surprised to have them called that..."(Comment by WS: With all due respect to Mr. Hull, I don't buy his explanation for the demise of MAILBAG. I would like to see the real reason for the programming change to surface. If anyone receives a letter from RA about this, please send me a copy.)

DOMINICAN REPUBLIC...Radio Clarin's schedule has been unpredictable weekends on 11700. Rudy Espinal's THIS IS SANTO DOMINGO has been pre-empted by Spanish programming and baseball coverage on most week-ends. TISD was heard on January 18 in the 2200 GMT time slot. My suggestion is to tune in at 2200 GMT each Saturday and Sunday and perhaps you'll get lucky! We can only hope that Rudy can be heard on a regular basis sometime in the future. (WS)

FRANCE...PARIS CALLING AFRICA is a daily offering in English from Radio France International. Tune in daily from 1700-1800 GMT for NEWS, COMMENTARIES, MUSIC, INTERVIEWS and the following daily features: Mon THE PRESS ON AFRICAN AFFAIRS and SPORTS ON MONDAY, Tue GUEST NIGHT, Wed ARTS IN FRANCE or MADE IN FRANCE, Thu P.O. BOX 9516(Mailbag), Fri DRUMBEAT(African Roots) or TURNTABLE(the latest disc releases in France), Sat SPOTLIGHT ON AFRICA, Sun YOUR CHOICE(Requests) and P.O. BOX 9516. (Bruce Petchesky, NY)

GREAT BRITAIN...ANIMAL, VEGETABLE OR MINERAL returns to the BBC World Service. Tune in Mon 1215, Tue 2330, Wed 0830 or Thu 1830 GMT as panellists try to identify an object within 20 questions. (John H. Demmitt, PA)...COUNTRY STYLE presents the best in C & W music each week. All you Urban(and Rural) Cowboys be sure to tune in Sat 1345, Sun 1900, Mon 0730, Wed 0430 for some toe-tapping tunes...NEW WAVES looks at a different artist in rock's new direction each Sat 0430, Mon 1115, Thu 0730...other regular programs on BBCWS include: THE BOOK PROGRAMME, Fri 0830, Sat 0230, 2115, Mon 1330; THE FARMING WORLD, Tue 1840, Wed 1225, Thu 0640; LETTER FROM AMERICA, Sun 0545, 1115, 1645, 2315; MERCHANT NAVY PROGRAMME, Thu 2315, Fri 0745, 1015; NEW IDEAS, Sat 0530, 1115, 2230, Sun 1720; TOP TWENTY, Wed 1830, 2330, Thu 1215. (London Calling, February 1981)

HOLLAND...DX JUKEBOX will be replaced in May by a program entitled MEDIA NETWORK. The new program will be a communications magazine of the air. The new name for RN's "DX" program reflects the changes made in DX JUKEBOX since Jonathon Marks took over the program. (Direct)

NEW ZEALAND...Radio New Zealand has a science program called THE PRACTICAL WORLD. It concerns technology and is produced by the BBC. Tune in Mon 0910 GMT (if NEW ZEALAND CALLING is not on then). (Dale Park, HI) Speaking of NEW ZEALAND CALLING, the program has been difficult to hear lately. A combination of poor reception and time changes have made the program a real "catch". The times to try for the program are 0300 GMT on 15380 and 17860 or 0745 GMT on 11945. NZC is scheduled for the 1st and 3rd Monday (GMT) of the month. The 0300 GMT transmission is a reported change from 0430 GMT. We hope to have a further report on NZC next month. (Guy K. Clark, KS)

SOUTH AFRICA...Radio RSA had its annual telephone call-in show again on New Year's Eve. Hosts of the four-hour program were Colin Flaxman and Rodney Burke. Most of the calls came from the USA, but they also heard from listeners in South Africa, Zimbabwe, Britain, France and Canada. While a substantial amount of the conversation was repetitive, it was interesting to hear from people all over the world. Mark your calendars for December 31, 1981 and another Radio RSA phone-in (hopefully). (WS)

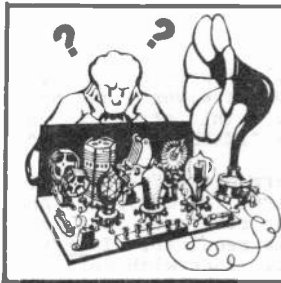


SPAIN...It seems that another English broadcaster might be in danger of extinction. According to a report from Roberto Levinstein of Madrid in the January 1981 issue (#47) of RIB, "local press reports that in late November (1980), Spanish Foreign Radio made a surprise announcement that in the first half of 1981 it planned to reduce up to 50% the number of hours on the air in Spanish to the Americas, definitely end English broadcasts, which are to Europe and North America, and drop plans to add German, French and Portuguese services. The English service is the smallest section of REE, and there would be little advantage in dropping it; that will save only \$80,000 US per year--that's about \$44 an hour."

SRI LANKA...Adventist World Radio--Asia has the following programs in English: YOUR STORY HOUR, Sun 0330 GMT on 9720, 15425; VOICE OF PROPHECY, Sun 1430 GMT on 9720; QUIET HOUR, Fri at 1330 GMT on 6075, 9720, 15425; RADIO DOCTOR, Sat 1330 GMT on 4940, 6075, 9720. RADIO MONITORS INTERNATIONAL was mentioned last month. All programs are relayed through the facilities of the Sri Lanka Broadcasting Corporation. (Chris Stark, NB)

UGANDA...Radio Uganda has been heard on an irregular basis at 0300 GMT, 15325 kHz. The programming consists mainly of music (African and American), though there are occasional news programs. There are varying degrees of audio quality on the broadcasts, but if you catch them on a good night, the station is an interesting one to listen to. (WS)

USA...Joseph Costello, owner of WRNO, New Orleans, was interviewed on VOA's BREAKFAST SHOW on November 22. His application for a shortwave station had just been approved by the FCC. He was planning to begin construction immediately so that his commercial shortwave station could go on the air in the Fall of 1981. One transmitter would be used to beam rock music, news and advertisements toward Europe 16 hours per day. He hoped that the station would also be received in North America and other parts of the world. (WS)...Here's the schedule for the expanded Voice of America English Service to the Americas from 0000-0400 GMT daily (all days GMT): Tue-Sat, 0000 NEWS IN SPECIAL ENGLISH, FEATURES, 0030 THE MAGAZINE SHOW, 0100 REPORT TO THE AMERICAS, 0200 CONTEMPORARY MUSIC USA (Tue Standards; Wed, Thu, Fri Now Music; Sat Music on my Mind), 0230 DATELINE, 0300 VOA NEWS ROUNDUP, 0315 JAZZ MUSIC USA; Sun 0000 NEWS IN SPECIAL ENGLISH, 0010 THIS WEEK, 0030 PRESS CONFERENCE USA, 0100 WEEKEND, 0200 COUNTRY MUSIC USA, 0230 NEW YORK, NEW YORK, 0300 NEWS, JAZZ; Mon 0000 NEWS/SE, 0015 CRITIC'S CHOICE, 0030 ISSUES IN THE NEWS, 0100 NEW PRODUCTS, 0115 NEW HORIZONS, 0130 STUDIO 1, 0200 MUSIC STANDARDS, 0230 FORUM, 0300 NEWS, CONCERT HALL. (VOA) 2, 1/19



TECHNICAL TOPICS

Editor

SANDY BLAIZE

| | | |
|-------|---|--------|
| AVC | ? | SSB |
| AGC | | LSB |
| GAIN | | FADE |
| TUNER | | NOISE |
| IMAGE | | Smeter |

Send Technical Questions & Technical Material To: ➡

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

UTE LISTENING....BANNED??....More.... Recently I relayed an item in RIB about a House Resolution (H.R. 7747) that proposed to make it a crime to intercept ANY "subscription" type telecommunication etc....this aimed at the TV unscrambler "bootleggers" and people building their own satellite TV terminals etc. According to SPEEDXer Tony Kobylski, this has been incorporated into H.R. 6121. It is important that you as a DXer, write your U.S. Representative and obtain a copy of this bill. Read it and protest accordingly whether you DX Utilities or not, as next thing you know, our lawmakers will try to tell us we can't listen to shortwave at all, or we will have to license ALL of our receivers or otherwise be further regulated! Remember that old saying: "The price of liberty is eternal vigilance!"

NEW RECEIVER: SONY ICF-S5W.. Although not a shortwave item, this is a "super" MW BCB set that may turn out to be a BCB DXers dream. More information on this as it becomes available and/or if I get my hot little hands on one.

IMPORTANCE OF RECEIVER "SENSITIVITY".....
 We are being deluged by "hot" receivers these days. Are they really what we want and need? Read on and draw your own conclusions...

SENSITIVITY might be defined as a receiver's ability to dig down and pull in that weak one, or more technically, the weakest signal that can be heard (in microvolts) in the presence of the INTERNALLY generated NOISE of the receiver. Most sets are rated in so-and-so microvolts (millionths of a volt!) for a signal 10 db. (decibels) above the noise. In most of the newer sets, this ranges from 0.2 to 1 microvolt!(abbreviated uv.) Quite good indeed.

Now before we continue, we must for a moment talk about **FIELD STRENGTH**. This is a measure of the strength of an incident signal and is usually given in **MICROVOLTS PER METER** (Abbreviated uv./m) This is what will be "induced" in an antenna **ONE METER** (or about a yard) long. For example, lets say at your house, VOA has a field strength of 50 uv./m. Your antenna is 10 meters long. so you will have a signal of 10 X 50 = 500 uv. induced in that antenna. Wow! What a signal you say? Not necessarily!! You may have a power line down the block radiating noise, and its field strength at your antenna is 60 uv/m. Since 60 X 10 = 600 uv., guess who wins! Now with your super receiver that gives a loud and clear signal with say 2 uv. of signal, we must have a desired station whose signal is stronger than 600 uv. at the antenna terminals in order to receive it! This case is somewhat overstated, but I hope you see what I am trying to convey: Just because the maker claims a very high sensitivity will NOT mean you will hear all those weak stations! Even if you have a big antenna, active antenna etc etc.

Let us say that our "hot" receiver will perform well with a short antenna, much better than a "duller" one, assuming the NOISE generated by the atmosphere (static) and man (power lines, sewing machines, fish tank heaters, electric razors, TV sets etc. etc.) is at a relatively **LOW** field strength compared to the signal we are trying to pick up. NOW....if we hookup a 20 meter antenna (about 66 feet) to both receivers, we might not notice such a big difference. In fact under certain conditions, the "duller" receiver might even be better! Some of the new breed of receivers are very susceptible to **OVERLOADING** and picking up strong FM/TV signals on shortwave besides what we want to hear. This is an important point to consider, as the set that was perfectly all right on that short wire, might completely misbehave itself when you hook up that longwire you always wanted to use. So called "Active Antennas" are sometimes vulnerable to overload as well, and/or may further aggravate the situation.

I must hasten to add that "active antennas" are useful IF properly used, but are not miracle devices to "cure-all-ills"! When your receiver picks up TV/FM broadcast signals (usually sounding very "mushy") this effect is called "CROSS MODULATION", not to be confused with the term: "IMAGE" or "BIRDIE".

Images are "false" signals usually TWICE the 1ST Intermediate Frequency (or I.F. Frequency) above or below (depending on set design) the desired signal. A Birdie is a false signal INTERNALLY generated in the receiver. That is one that can be heard with NO ANTENNA connected to the receiver. Images are generated by the EXTERNAL signal picked up by the set, along with deficiencies in receiver design. ALL SUPERHETERODYNE (or simply "superhet") receivers suffer to some extent by images, as it is inherent in the design, although these can be suppressed to such a low level as to be unnoticeable, for all practical purposes.

So you can see that the "practical" sensitivity of your receiver might be much lower than the specifications say, considering externally generated NOISE. Now how do you improve this situation if it's an unhappy one??

First, learn to recognize the source of the noise by its sound. Is it a continuous raspy buzzing noise? Maybe this is coming from your nearby power lines. Is it an intermittent machine-gun like popping noise that varies up and down? Maybe it's your neighbor's car or Joe Blow next door is mowing the lawn (ignition noise). A whining noise might be your mom or the lady next door sewing. Another buzz might be one of those lamp dimmers. Other clicks and buzzing noises are fish tank thermostats etc. etc. Be NOSY....Investigate! Ask your neighbor to turn this or that off to try and localize the noise. You can REALLY DX if things are QUIET.

Second, don't depend on just ONE antenna. I have SIX up! One 125 footer, one 45 footer both "random" wires, partially horizontal, partially vertical. One "ham" vertical (25') up about 20 feet off the ground, and a short 15' vertical. (Along with a 50' "attic" antenna and a 10' "windowframe" antenna.) All yield different results on different bands. Some nights the longwire is lousy compared with the vertical, other nights vice versa. BBC on 13m in the morning (21.710 MHz.) has bad multipath or "echo" effect on the "big" wires, but is almost perfectly clear on the "windowsill" antenna.

The BIG KEY is to EXPERIMENT! What works for Jack Jones on 60 meters may be "Ickky" for you. What Bob Zilmer threw away years ago may be your "cup of tea". Antennas definitely fall into that category: "What's one man's meat is another's poison!"

Finally, don't overlook the possibility of using a "loop" antenna on the "lower" SW bands. (120-49 meters) These have been especially effective in "nulling" out not offending stations, but NOISE. These have been long known to medium wave DXers. For example: I am able to null a local 5KW station on 690 khz. down deep enough to pick up another 5kw. station in Coffeerville, Kansas at night! On the same frequency!

I have purposely ignored the term: SELECTIVITY in this discussion even though it has a great effect on your receiver's ability to DX. It also affects the sensitivity of your receiver as well, but for this article we need not discuss it, as this is better treated by itself.

I hope this has been informative and helped you to understand why you don't necessarily hear what your buddy might be hearing across town with an "inferior" receiver! Hopefully, I haven't used too many technical terms that are confusing. Your comments are welcomed in this continuing "educational" series.

COMMENT: Again thanks to you who have written and sown the seeds that have grown into new columns! I hope you will continue to feel free to write in 1981 with your questions and comments. Please send me an S.A.S.E. or two commemorative stamps if you require a "personal" reply. (Yep, I'm a stamp collector.) Overseas enquiries please send stamps of YOUR country for 1 oz. of postage in lieu of IRC's as these are getting VERY expensive. My best to you all and good DXing!....Until next month..73

Sandy

Personal



SPEEDX Western Hemisphere

EDITOR: Chris Hansen
2825 Webb Ave. 5F
Bronx, NY 10468

Deadline: 12th

All times and dates UTC, All freqs in kHz

/FEBRERO, 1981/

You are reading a shortwave first this month. In 1971, the first shortwave clubs to go from mimeograph to offset printing made history. In 1981, the first shortwave column of an open club to be sorted and typed entirely by word processing equipment makes history. That's right, the machine not only stores the column in its memory after I've typed it -- it sorts the loggings! You cannot imagine what a time saver this is. Right now it is the 15th of January. Normally I am now dragging myself to sort your loggings by hand. However, today, I am mailing a completed column. Let me give you an example: below appear several loggings typed according to the format which allows the machine to sort the loggings automatically.

aarg06060 0836 R. Nacional, ID, tango mx (323; 12/14. Jones, CA)
aecul5355 0210 HCJB, EE, All Christian mx. Nice signal (333; 1/2. Cereghin, MD)
ncub09610 2127 RMWS, EEW, nxreel, mx, nx in brief (443; 12/25. Smith, FL)
ndoml1700 2300 R. Clarin, EE, "This is Santo Domingo," IDs (544; 12/14. Wilfinger, OH)
ndoml1700 2315 R. Clarin, hrd well, though audio breaking up a little at times. No sign of them on old 4850 (Berg, MA)
nhon04890 0217 R. Lux, non-stop Christmas mx, was still going at 0230 (433; 12/30. Kotsakis, OR)
nusa01620 Xeroxed letter from "Hal Hall" of WFAT-1620 strongly hinted that they would be on New Year's Eve, but no sign of them on a couple of checks (though
nusa01620a there was a carrier on 1620 at times)(Berg, MA)(In Red Bank, NJ, Chris Lobdell and I heard a WBUM-1632 [1625 at times] on New Year's Eve. Pretty
nusa01620b useless stuff, I think. See Chris L.'s logging below. ch)

The machine sorts the loggings alphabetically (a = South America; n = North and Central America; then the first three letters of the country name) and numerically by frequency. Since there is a limitation on how many characters in an entry for sorting, if the logging is large I just divide it up and put "a," "b," and so on after the frequency. The machine then puts them in the correct order automatically. I then delete the letters before the logging and add the country headings, editing the loggings as I go. As long as I have access to the word processing equipment, I am going to use this method to bring W/H to you faster and better.

As per an article in the St. Petersburg Times, Colombia is suffering from a severe electrical power shortage and the national government is instituting rationing involving rotating blackouts. The article was unclear as to whether this was only in Bogota or throughout the entire country. If you wonder where your favorite Colombian has gone, this may be the answer. Thanks to W.J. Parks for this note.

Please remember that when you submit your loggings, submit them either on an official SPEEDX form, available from your friendly Business Manager, Don Johnson, at HQ, for 4¢ or so apiece; or, when using your own form or no form, remember that they should be 8-1/2 x 1 1/4" or so (there is some leeway here). Don't submit loggings that are one typed line long; don't submit loggings on postcards, and please PRINT LEGIBLY or TYPE your loggings. Please try to make each logging complete; if you leave out the frequency, the time, or some other important detail, into the circular file it goes.

Remembering that all loggings without a language designation were heard in SS, and that all dates are in month/day order, I present:

Dittrich, FL)

ARGENTINA/

- 5985 2324 R. Splendit, TC, LAM mx, "Numero Uno en Argentina." (433; 12/4./
 6060 0836 R. Nacional, ID, tango mx (323; 12/14. Jones, CA)
 6060 0745 R. Nacional, ID, EZL mx, (333; 12/19. Alexander, PA)
 6060 0625 R. Nacional, OM tlk, mx, (332; 12/7. Hotaling, NV)
 10675 2340 R. Rivadavia, bc of fútbol game, "Nacional FgTbol..." many mentions of
 Argentina and Buenos Aires. Feeder? (333; 12/21. Sams, AR)
 10680 2238 R. Rivadavia, not harmonic or image, SS tlk, OM ancr; horse-race-like bugle
 call and R. Rivadavia ID, crystal-clear. 0005* (444; 12/20.Kowalski, WI)
 11710 0120 R. Argentina, Wow! Booming in at 544 in EE, and into a 5-minute
 multi-lingual Merry Christmas wish, into Italian @0130. Have not checked since,
 but it would seem they have done wonders with their xmitter (12/21. Greenwood,
 PA) (0109, daily sx review, ID, cmt on production in Argentina, many more IDs,
 into SS @0130, said new times and pxx [434; 12/25. Bickel, CA])+2
 11755 0600 R. El Mundo, ID, lively tangos and other LAM mx w/ OM ancr; some QRN at
 various levels, but clearly audible (232; 1/1. Findlater, CA)

BOLIVIA/

Trummel, IL)

- 4795 0608 R. Nueva América, vernacular, LAM mx, OM DJ, ads, IDs (333; 12/25./
 6025 *1003 R. Illimani, hrd here, quite a good signal, opening w/ guitar mx and ID,
 Buenos Dias, Bolivia. Glad to "me too" this one, thanks to Bob Hill's tip (1/4,
 Berg, MA)(0050, guitar mx, piano, many IDs (sounded like R. Iman) (new one? (332;
 12/12. Hotaling, NV)(*1015, OC, anmt in SS by OM, into harp strumming. Could not
 catch ID but did hear definite "Buenos Días Bolivia" in anmt. Into Indian
 language @1017; flute mx w/ splatter from AFRTS-6030; Fr/pr; 12/29. Lobdell, MA)

BRAZIL/

- 3240 0135 R. Olinda, PP, ID by OM @0135, world mx, strong het from UNID carrier (pr;1
 12/13. Parks, FL)
 3295 2320 R. Alagoas, PP, many IDs by OM, accompanied by dog barking (fr; 12/12.
 Parks, FL)
 3335 0141 R. Clube de Conquista, PP, LAM ballads, OM DJ, many mentions of Conquista,
 ID @0200 w/ fgy, into ads (323; 12/10. Cohen, PA)(0025, fr; 12/13. Parks, FL)
 3354 0050 R.Cultura de Araraquara, PP, ID by OM @0051 w/ Christmas mx (fr; 12/13.
 Parks, FL)
 4765 0914 R. Nacional Cruzeiro do Sul, PP, OM DJ, IDs, LAM mx (333; 12/25.Trummel, IL)
 4797 0756 R. Tabajara, PP, OM ancr; IDs, LAM mx (222; 12/25. Trummel, IL)
 4815 0640 R. Nacional de Tabatinga, PP, LAM mx, ID by OM, (455; 12/21.Trummel, IL)
 4835 *0900 R. Nac. de Boa Vista, good (12/13. Berg, MA)
 4855 0056 R.Clube do Pará, PP, tlk by OM, Brazilian pops, ID by OM, return to 4855
 (gd; 12/28. Parks, FL)
 4895 0050 R. Cultura da Bahia, PP, Brazilian pops w/ intros by OM, ID, 0100* w/o NA
 (gd; 12/29. Parks, FL) (433; 12/28. Dittrich, FL) Huffaker, Mexico)
 4895 0804 R. Baré do Manaus, PP, ID, TCs, many ads w/ mx between (333; 12/23./
 4915 0207 R. Anhanguera, PP, popular mx, ads for cigarettes, clubs, and station
 promos, TCs, 4 IDs in 45 mins. (443; 1/2. Rocha, CA) (433; 1/2. Grenier, CA)
 (343; 12/30. Thompson, NM)
 4985 0554 R. Brasil Central, PP, ads, mx, armts (323; 12/21. Jones, CA) (333;
 12/27.Hotaling, NV)
 5045 0903 R. Cultura do Pará, PP, stringed pop mx, ID and TC @0945, fgy. check at
 0947, (453; 12/27. Nikolich, IL)
 6000 0840 R. Inconfidência, PP, OM w/ bands of Brazilian mx, 0901 IDs, fqs, TC,
 trumpet (IS?), OM tlk and mx (554; 1/6. Munster, GA) (222; 12/30.Cereghin,
 MD)(0715, 333; 12/15. Hotaling, NV)(0000, 444; 12/31. Sams, AR) //Zilmer, NM)
 6015 0130 R. Clube de Pernambuco, PP, mx from rock to pop, local mx, ads (232; 12/19./
 6095 0100 R. Dif. São Paulo, PP, sx, lots of crowd noise (333; 12/19. Zilmer, NM)
 9675 0923 R. Marumbi Limitada, PP, mx w/ OM ID, (333; 12/30. Robertson, WA)
 9695 0950 R. Rio Mar, PP, lively vocals by OM w/ accordion mx, singing ID, ID by OM
 @1000. Tlk w/ xmtr troubles; 1002*, almost unmod. carrier at times. (fair, 12/29.
 Lobdell, NJ)(0930, 232; 12/27. Nikolich, IL)
 11780 0010 R. Nacional de Brasília, PP, distorted, mx, IDs as R. Nac. and R. Nac. de
 Brasília (322; 12/24. Cereghin, MD)(0124, 533; 12/7. Whetzel, IN)(0130, 444;
 12/26. Thompson, NM)
 11805 0944 R. Globo, PP, rapid chatter ID by OM, into Brazilian pop selections (333;
 12/27. Nikolich, IL)
 11915 0045 R. Gaucho, PP, tlk, mx, ads, vocals, ID @0205 (333; 1/2. Zilmer, NM)
 15265 0427 R. Globo, PP, musica popular brasileira, ads for a restaurant, furniture
 store, cachaca, and 3 IDs w/ MW/SW fqs (433; 1/1. Rocha, CA)

MORE BRAZIL ON THE NEXT PAGE.

/BRAZIL/ -- (CONTINUED)

- 15290 0238 R.Brás, EE, item on irregularities in the Brazilian banks (434; 12/14. Deibel, CA) (433; 12/11. Blaize, LA)[0250 discussion of Brazilian postal service, IDed as RNBrasília, RadioBrás, and ZYE365 (333; 12/24. Burke, VA)](2110, 544; 12/16. Valentine, CA)(0210, 444; 12/8. Ayers, OH)+5
15325 0100 R. Gazeta, PP, sx (222; 12/18. Zilmer, NM) Hotaling, NV
15445 0149 R.Bras, PP mx, ID (544; 12/14. Jones, CA)(2310, //11780 333; 12/17./
17805 1930 R.Bras, EE, ID, tlk on Xmas scene disappearing from TC screen (322; 12/24. Smith, FL)
17830 0115 R. Nacional de Brasília, EE, IDs as R. Nac. de Brasília and R.Brás. NF or something?. Not in WRTH. (After a year the WRTH '80 is mostly useless for anything except feeding the fireplace. ch)(322; 12/28. Cereghin, MD)+3

/CHILE/

- 6150 0310 R. Nacional, sx coverage, full ID, 0315* (222; 12/18. Hotaling, NV)
15150 Regarding last month's logging, I checked my log (a glorified legal pad, hi!) and it was "La Voz de Chile" ID (T. Hall, CA)
15150 0000 R. Nacional de Chile, ID @ 0000, mx, anmts (555; 1/5. G. Raymond, MA)

/COLOMBIA/

- 4814.7 0811 R. Guatapurí, many IDs, ads, mx (333; 12/21. Jones, CA)(0602, 533; 12/7. Whetzel, IN)(0335, 433; 12/15. Stone, ON)(1020, 444; 12/21. Alexander, PA) (0300, 555; 1/5. Klasek, MO)(0415; 555; 12/31. Blom/Van Beurden, NY) (2320, one of the best bets on 60m now days [433; 12/23. Cereghin, MD]) +7
4865t 0515 LV de Cinaruco, nx, ads for "Modelo," many mentions of Bogota and Colombia, no positive ID hrd (323; 1/3. Jones, CA) Parks, FL)
4875 0205 LV del Norte, typical LAM mx, frequent IDs by OM, Super off air (gd; 12/17./
4945 0142 R. Colosal, IDs, ads, (433; 12/27. Dittrich, FL)(0730,545;1/7.G. Raymond, MA)
4965 0220 R. Santa Fe, OM ancr, frequent IDs, LAM mx (322; 12/2. Stone, ON) (0540, 444; 12/30. Blom/Van Beurden, NY)(0620, good; 1/6. Munster, GA)(0839, 333; 12/265. Cereghin, MD)+3
5075 0200 R. Sutatenza, enjoyable LAM mx, many IDs (444; 12/29. Stone, ON)
5095 0330 R. Sutatenza, LAM mx w/ OM tlk, QRM in CW by numbers station (spy?) co-channel (NO! This is a marine operator in Nova Scotia. ch) (533; 1/2. Klasek, MO)(0402, 444; 1/3. Jones, CA)(0137, New Year's greeting, lively mx [wrong speed at first -- SS chipmunks](433; 12/30. Thompson, CA)
6045 0155 R. Melodía, typical LAM vocals, ID by OM @0200, station jingle repeated 3 times, (gd; 12/22. Parks, FL)(0709, 544; 12/25. Dittrich, FL)(0728, 333; 12/19. Alexander, PA)(0615, 332; 12/15.Hotaling, NV)(0705, 353; 1/5. Robertson, WA)(0550, Several IDs, including singing ones (is this the style called campesino?)(Could be -- depends. I'd say yes but I'd have to hear it. ch); 454; 12/31. Pickard, IL)(0915, 555; 1/7. G. Raymond, MA)+1
6065 0740 R. Super, ID, LAM mx, phone conversation. Bad het (333; 12/19. Alexander, PA)(0845, 434; 1/7. G. Raymond, MA)
6112 0930 LV del Llano, lively LAM mx (433; 12/21. Whetzel, IN)
6150 0615 LV del Huila, mx w/ frequent IDs (544; 1/2. Mappin, WA)(0702, 433; 12/12. Thompson, CA)(1000, 444; 12/21. Alexander, PA)(0510, 332; 1/9. Chinakos, WA)
9635 0340 R.Dif. Nacional, operatic-quality voices, concert mx, //15335 (433; 12/19. Hotaling, NV)
15333.3 0335 R.dif. Nacional de Colombia, Opera mx, OM w/ orchestra, ID/tlk @ 0044, more mx (243; 12/9. Moss, CA)

/ECUADOR/

- 3252 0252 LV del Triunfo, OM tlk, TCs, many mentions of Ecuador, but no IDS (232; 12/29. Nikolich, IL)
3260t 0325 LV del Rio Carrizal, OM tlk, s/off anmts, Ecuadorian NA, no ID, 250W list, 85% sure of this one (232; 12/26. Nikolich, IL)
3280 1002 LV del Napo, long s/on by OM, mellow accordion mx in back; ID in sections. "LV del Napo en la ciudad de Tena." @1015 into religious singing and then a spiritual message (seems to be a religious orientation here at times) (322; 12/29. Greenwood, PA)
3395 2355 R. Zaracay, OM w/ nx, many IDs, then one long, spicy ID (het from ute)(322; 1/5. Marshall, GA)(0400, gd; 12/6. Parks, FL)
4656 0418 CRE, px of LAM vocals, 0431* after NA, s/off ancmts(433;12/14.T.Hall,CA)
4794 0040 LV de los Caras, tune/in, 2 OMM talking, nx and anmts; into ID, TC, and fine, rather mellow SAM mx, then @0110, switch over into huaynos (422; 12/25. Greenwood, PA)(0436, ID @0442, OM DJ; 322; 12/7. Cohen, PA)
4800 0703 R. Popular Independiente, mx, armts, IDs (333; 1/3. Jones, CA)
4870 *1100 R. Rio Amazonas, Indian language, tuned into IS played on flute, into tlk by man. Primitive mx (333; 12/20. Alexander, PA)(1110, 444; 12/17. Ray, PA)

WILL CONTINUE ON NEXT PAGE. QUITE A FEW REPORTS THIS MONTH. I HAVE FOUND THAT THE WORD PROCESSOR IS VERY SENSITIVE TO TYPES IN THE FREQUENCY.

/ECUADOR/ -- (CONTINUED)

- 4920 0004 R. Quito, LAM mx and instrumentals. Ads. Weaker station was under Quito, which may be R. Progreso. (And it may be Ondas del Titicaca on 4921, which has been reported recently. ch)(333; 1/3. Cereghin, MD)(0422, 232; 1/4. Traver, CA)(0322, 333; 12/28. Whetzel, IN)
- 5025 0513 R. Splendit, mx, ID, OM, nx by YL (322; 12/26. Bickel, CA)
- 5041 0505 R. Nacional Espejo, campesino mx, huaynos, ID @0515 by OM, het w/ carrier on 5040 (pr; 12/17. Parks, FL)
- 6095 *0500 HCJB, EE, "Telling the Truth," (544; 12/27. Whetzel, IN)
- 9745 0100 HCJB, EE, Passport, ID, TC, Engineering Notebook (555; 12/12. Smith, FL)(0310, part of a series telling everything you always wanted to know about fish... [333; 12/18. Demmitt, PA])(0134, 333; 12/14. Marshall, AZ)+1
- 11915 0330 HCJB, EE, DXPL, reviewed the ANARC Nxletter (Ho hum...zzzzz. ch)(444; 12/1. Kopriva, CA)(0330, 533; 12/27. Miller, MA)+1
- 15155 0250 HCJB, EE, DXPL, (555; 12/11. Blaize, LA)
- 15350 0110 HCJB, EE, OM w/ mx, tlk about Ecuadorian culture (544; 12/5. Lindley, AL)
- 15355 0034 HCJB, EE, ID by OM, nx (444; 12/24. Bickel, CA)(0210, 333; 1/2. Cereghin, MD)
- 15355 0108 HCJB, EE, om rel. tlk, w/ a baked goods metaphor (444; 12/16. Ray, PA)
- 17795 1930 HCJB, EE, Passport, listeners' letters (333; 12/31. Blom/Van Beurden, NY)
- 26020 2007 HCJB, tlk by OM, in FF? (232; 12/26. Bickel, CA)(1509, OM w/ end of world nx. [Does that mean the end of the news or news about the end of the world, hi! ch] Chris, maybe I'm a little crazy but this txmission has always fascinated me.[Ipse dixit. ch] 243; 12/2. Lindley, AL)

/FALKLAND ISLANDS/

- 2370 0057 FIBS, EE, pop song, ID by YL @0059:30, 0100 BBC Nxreel, 0120 local nx/wx by YL, 0120* (222; 1/4. Klasek, MO)(0100, hrd first time here on 12/12 @0100, hrd to 0130* with GSTQ. Though signal there, could not understand a single word of the talk during the entire half-hour, so not reportable, and "the search for the one-armed man continues." [Berg, MA])(0038, EE, audio fade/up @0038, mx in progress. YL ancr, gave px notes @0058, BBC rebroadcast join @0102-0125; back to YL w/ shipping weather "winds light and east...", more px notes by YL and mention of FIBS & another mention of Falkland Islands, GSTQ, 0130*, carrier to 0135. Thanks to my brother in FL. We compared entire catch "live" over phone. He had 'em better down there thanks to 120m dipole and less noise. [pr/fr; 12/13. Paul/Jim Kowalski, WI/FL])

/GALAPAGOS ISLANDS/

- 4808 0255 LV de Galápagos, full ID w/ bird chirps & organ waves in background, address given, (322; 12/27. Sams, AR)
- 4810 0204 LV de Galápagos, pop mx, multiple IDs, 0305 NA, 0308* (333; 12/22. Huddleston, TX)(0209, more QRN than usual (222; 12/21. Traver, CA)

/GUYANA/

- 5950 0915 GBC, EE, "Max's Morning Music," (the Larry Lujack of Georgetown, hi!)(Who is Larry Lujack? ch) with a top-20 countdown of the latest Hindi hit parade. Gave phone number (66-290) for requests. Id as GBC-2 (444; 12/27. Nikolich, IL)
- 5980 0755 R. Demerara, tune w/ seeming Afr. language to 0810, when OM gives many community armts., to 0825, in EE, w/ mx. between each anmt. Afro-ethnic oriented px after 0830. IDs and ads, IDs for Demerara in lang, and GBC & GBS IDs and deep fade 0850 (422; 12/17. Greenwood, PA) No, this is probably Sierra Leone (cph)

/PERU/

- 3230t 0324 R. El Sol de los Andes, OM w/ soccer match, UTE on fqy. shut down for several minutes. no ID hrd; (pr; 12/24. Parks, FL)
- 4810 *1019 R. San Martín, NA, then a long s/on that sounds like the Second Coming (hi!) OM ID, etc., bells chimes, drumrolls, and YL, and echo effect ID, into Andean mx, sedate flute dominant 1027-35, and brief voice over ID which I made as "R. Principal San Martín," (322; 12/18. Greenwood, PA)[CORRECTION: Times listed last month in Chris Lobdell's report as 04-- were in error. They should have all read 0900. Chris was thinking of local Peru time while he was typing. He is sorry for the confusion.]
- 4860 0904 R. Chinchaycocha, LAM mx, OM ancr, IDs, ads (333; 12/25. Trummel, IL)
- 4921 0930 R. Ondas del Titicaca, pretty well separated from 4920 on 11/29; hrd with Peruvian mx, positive IDs at 0940 and 0942 (Berg, MA) //12/13. Parks, FL)
- 5015 2330 R. Moyabamba, non-stop LAM, ID by OM @2352, into singing ads, (fr/gd; /
- 5016 0145 R. Juliaca, mix of LAM, Andean mx w/ frequent IDs/TCs by YL, heavy UTE splatter at times (fr/pr; 12/12. Parks, FL)
- 5025 0245 R. Quillabamba, typical LAM vocals, nx @0250, ID @0300 by OM, "We wish you a Merry Christmas" jingle in EE after ID & Christmas greeting by OM in EE (gd; 12/24. Parks, FL)(0041, OM w/ notices to campesinos, "Panorama Oficial," an inauguration of something, frequent IDs (323; 12/31. Huffaker, Mexico)

/PERU/ -- (CONTINUED)

- 5040 0558 R. Libertad de Junin, LAm mx, OM ancr, ID (222; 12/25. Trummel, IL)
6010 0717 R. América, U.S. & LAm pop mx, IDs in the middle of songs (333; 12/25. Dittrich, FL)
6020 1031 R. Victoria, ID by OM, singing ID, some huaynos & Andean flute tunes. Gone by 1100 (pr; 12/27. Lobdell, NJ)
9510 1028 R. América, TCs, ID, "R. América desde Lima," (322; 12/31. Leeman, RI)
9562t 0940 R. Nacional, stringed instrumental mx, lone vocals by an OM, no ID (333; 12/27. Nikolich, IL)

/SURINAM/

12/27. Nikolich, IL)

- 5005 0909 R. Apintie, Hindi chants by YL, OM in Dutch, plenty of IDs, WWV slop, (212;/
5006 0322 R. Apintie, Hindi?; took 2 wks. to get a positive ID, Christmas mx, LAm mx, country, mx, everything. IDs @0330 and 0337 (322; 12/24. Cereghin, MD)(0513, 222; 12/26. Bickel, CA)(0232, 0432* 433; 12/23. Dittrich, FL)(0525, 444; 12/25. Alexander, PA)(0605, lively mx, ads, crazy OM DJ w/ lots of tongue trills, jingles, one w/ mention of Stereo Apintie -- stereo?! (Sure -- this year's the fiftieth anniversary of stereo, so why not in Surinam. [On FM, of course] ch)(333; 12/27. Thompson, CA)

/URUGUAY/

Trummel, IL)

- 6045 2302 R. Libertad Sport, OM nx, IDs for "El Espectador," LAm mx (242; 12/9./
11885 0031 SODRE, EE/SS, EE ID and sked, LAm pop songs, SS tlk, EE nx (222; 12/8. Dittrich, FL)

/VENEZUELA/

- 3355 0329 R. Impacto, marimba mx, LAm ballads, ads, ID by OM @0355, NA, 0358* (gd; 12/24. Parks, FL)
4760 *1030 R. Frontera, like many Venezuelans, this has had some spectacular signals (over 25 dB) after s/on, with NA and vigorous ID, and San Antonio Tachira QTH, and fine LAm mx -- don't be fooled by ads with Cucuta QTH; this is a border town; also at 1100 then ancr. names of other countries, and go into a px of musica internacional, featuring a different country each morning (several days, 533; Greenwood, PA)(*1029, NA, ID by OM, into pop & band mx, ads, het on fqy to 1107 f/o [pr; 12/13. Lobdell, MA])
4770 0207 R. Bolívar, LAm mx, marimba-style, OM ancr. introduced another song, and ID @0210 GMT (233; 12/30. Kotsakis, OR)(0320, 433; 12/15. Stone, ON)
4780 0535 LV de Carabobo, LAm pop mx, ads, ID (333; 12/25. Alexander, PA)
4800 0140 R. Lara, SS, ID by OM, loud LAm mx, good sig (444; 1/6. Marshall, GA)
4840 2254 R. Valera, LAm/US pop mx, ads, ID and TC @2301 (222; 12/28. Cereghin, MD)
4900 0230 R. Juventud, OM ancr, continuous pop songs in EE, American hits (433; 12/1. Stone, ON)
4960 0220 R. Sucre, ads, LAm pops, IDs as "R. Sucre Musical" (433; 12/27. Dittrich, FL)
4970 0509 R. Rumbos, mx, (433; 12/26. Bickel, CA)(0437, 0459* [332; 12/21. Whetzel, IN])(0455, 433; 12/3. Somers, CA)(0445, 343; 1/4. Traver, CA)
4980 0220 Ecos del Torbes, pop mx, IDs, game show @0235 (243; 1/3. Moss, CA) (0003, 444; 12/27. Dittrich, FL)
4990 0334 R. Barquisimeto, rock mx, "Can't Stop the Music" in SS, ID as "R.B. Internacional," mx (344; 12/23. Moss, CA)(0205, 333; 12/2. Stone, ON)
5030 0315 R. Continente, door chimes, many station IDs, world news (433; 12/27. Stone, ON)(0413, 434; 1/3. Jones, CA)(0406, mention of other stations, (332; 12/6. Whetzel, IN)
6180 0945 R. Turismo, musical IDs, children's chorus (333; 12/21. Alexander, PA)

/NORTH AND CENTRAL AMERICA/

/ANTIGUA/

- 6040 *0120 DW, EE, nx, press review, 0150* (555; 12/23. G. Raymond, MA)
6085 0450 DW, GG, nx in GG?? (333; 1/4. Traver, CA)
6175 0453 BBC, EE, tlk on Christmas history in UK, (455; 12/26. Bickel, CA)(0640, last px of series "A Taste of Honey, Irish Style." (544; 12/27. Thompson, CA)(0453, interviewing an American about stock market analysis for 1981 (Sell! ch, hi!) 444; 1/4. Traver, CA)
9545 *0530 DW, EE, national nx, short features, (544; 12/27. Whetzel, IN)(0530, 0550*; 444; 12/20. Kopriva, CA)
9690 0612 DW, GG, OM nx (444; 1/9. Traver, CA)
11775 1102 BBC, EE, nx, "New Ideas," (444; 12/13. G. Raymond, MA)
15275 1347 DW, GG, classical mx, GG/EE IDs 1349 (333; 12/26. Cereghin, MD)

/BELIZE/

- 3285 0400 R. Belize, EE/SS, disco px, Saturday Night Fever, request px, (322; Van Beurden/Blom, NY)(0445, Barbara Streisand mx, ID @0459, Prayer for Belize, TC, quickie nx, NA, 0510* [222; 12/27. Cereghin, MD])

CANADA/

- 5960 0420 RCI, EE, Special bc. DXJukebox/DXD (554; 12/1. Smith, FL)(2300, 444; 12/14. Dittrich, FL)(*2300, 544; regular; Whetzel, IN)(0112, 444; 12/8. Grenier, CA)(I am sure many were puzzled on the night of 1/14 (GMT) when As It Happens was cut off in the middle of "As It Happened: 1939," and recorded mx was substituted for the rest of that program, then the domestic CBC feed came on at about 0120 or so, and continued through 0240 or so, until the SS block came in; the EE block @0300 and the FF @0330 had no px content, only recorded mx. I would suppose that the strike might have spread to technical staff for a day?? At the moment, it has been proposed that a mediator be appointed to end the strike. RCI px have also been changed: the regular programming now begins the half-hour and the recorded music ends it. How logical. Those who like the music can stay; those who don't now do not have to sit through it. ch)
- 6005 1315 CFCX, Montreal, EE, wx, temperature check for -17 C, pop mx (232; 12/26. Cereghin, MD)(0923, 433; 12/21. Whetzel, IN)
- 6065 1320 CBCNQSWS, EE, weather for Northern towns, mx (343; 12/26. Cereghin, MD) (1200, 544; 12/15. Valentine, CA)
- 6070 1220 CFRX, Toronto, EE, OM tlking w/ preacher about Ukranian Christmas celebration, pop mx, TC (444; 1/3. Marshall, GA)(1900, 444; 12/6. Stone, ON)
- 6080 2157 CKWX, Vancouver, EE, OM anc'r playing country mx "CKWX Super Country" ID (333; 12/30. Kotsakis, OR)(0810, 333; 12/14. Jones, CA)(2300, 553; 12/23. Mappin, WA)
- 6130 1210 CHNX, Halifax, EE, "Bad, Bad Leroy Brown," ski report, ID, TC, ad for "Best of 1980" show, more pop mx (433; 1/3. Marshall, GA)
- 6160 0140 CKZU, Vancouver, EE, OM anc'r; tlk about Bing Crosby and played some of his music (444; 12/28. Kotsakis, OR) ///12/12. Ray, PA)
- 6160 1115 CKZN, St. John's, EE, nx, wx, interview, ID as "CBN in Marystown" (333; /
- 6195 0330 CBCNQSWS, EE, Royal Canadian Air Farce (444; 12/8. Shepherd, IL)(0559, 545; 11/6. Marshall, AZ)(0110, 333; 12/23. Moss, CA)
- 9535 0300 RCI, EE, Canadian Big Band mx filling in the ten min. nx spot while strike continues. Tlks on Poland, OPEC, and farming year)(454; 12/17. Demmitt, PA)
- 9575 1300 RCI, FF/EE, beautiful uninterrupted music. No news is good news [I miss it. ch](544; 1/1. Demmitt, PA)
- 9625 1334 CBCNQSWS, EE, country mx, ad for Canadian Cancer Society (444; 12/26. Cereghin, MD)(1930, 333; 12/19. Demmitt, PA)(1155, 444; 12/11. Hotaling, NV)+1
- 9730 0610 RCI, FF, OM tlk about uses of nuclear energy in Mexico and Canada (444; 1/9. Traver, CA)
- 9755 0650 RCI, EE, OM IDs, playing Christmas carols w/ anmts about newsless bcs because of strike (433; 12/12. Thompson, CA)
- 11720 1705 CBCNQSWS, EE, Quirks & Quarks, (333; 12/27. Whetzel, IN) //Grenier, CA)
- 11845 0400 RCI, EE, DXD joint bc w/ DXJ (444; 12/1. Kopriva, CA)(0210, 444; 12/8./
- 11850 0055 RCI, EE, OM/YL w/ domestic CBC px (444; 12/4. Lindley, AL)
- 11905 1909 RCI, EE, YL w/ mx, to Europe (555; 12/20. Lindley, AL)
- 11955 *1400 RCI, EE, "Sunday Morning" to 1700* (544; 12/14. Whetzel, IN)
- 15260 1800 RCI, EE, Afr. Svce., recorded country mx (222; 1/2. Picarelli, CA)
- 15325 2000 CBC, EE, mx px, "Memories," (555; 12/31. Van Beurden/Blom, NY)(2130, 555; 12/18. Schroeder, WI)(2001, 354; 12/15. Lindley, AL)(2215, 544; 12/15. Whetzel, IN)
- 17820 *1800 RCI, EE, px on early Canadian explorers (544; 12/13. Whetzel, IN)+1
- 17875 *1900 RCI, EE, "Sunday Weekend Magazine" (544; 12/14. Whetzel, IN)

COSTA RICA/

- 4832 0600 R. Reloj, "Ave Maria," ID, jumpy accordian mx (434; 12/30. Blaize, LA)(0702, lively local mx, TCs, IDs, OM DJ w/ Disco junk in between local numbers (444; 1/2. Thompson, CA)
- 5055 0519 Faro del Caribe, nx by OM (232; 12/26. Bickel, CA)(0327, tlk about Billy Graham revival in Japan, ID after that; 323; 1/6. Johnson, IL)(0621, 433; 12/27. Thompson, CA)(0319, brief tlk on ambition; 433; 12/27. Dittrich, FL)+2
- 6006 0708 R. Reloj, mx, IDs (232; 12/16. Jones, CA)
- 6078 0000 R. Rumbo, ID, date, time, echo talk, completely destroyed 0001 by 6075 s/on (12/24. Dittrich, FL)(1015, 333; 12/21. Alexander, PA)
- 6105 0458 R. Universidad, OM, 0500* exactly (232; 1/4. Traver, CA)

CUBA/

- 6060 0212 RHC, Creole, IS ID, into LAm mx, WRTH says language is Creole (222; 12/29./ Cereghin, MD)
- 6115 0211 R.M.W.S., EE, really undermod, usual propoganda (222; 12/29. Cereghin, MD)
- 9525 0645 RHC, EE, OM/YL tlk about drug abuse, appeal for listener response (344; 12/7. Lindley, AL)(0740, end of Latin mx px, into px on socialism, interviewed YL from Radio Free Grenada on how wonderful Cuba is (She mustn't have been there long. ch) 433; 12/30. Pettit, IA)
- 9610 0042 RM North American Service, EE, first of a second-series Top-Three contest. The theme is Modern Soviet Music (444; 1/2. Demmitt, PA)(2127, 443; 12/25. Smith, FL)
- 11760 0553 RHC, EE, answering listeners questions; said life in Cuba better now since the "trash" went to the U.S. (444; 12/19. Burke, VA)(0345, 343; 12/26. Bickel, CA)+3

/CUBA/ -- (CONTINUED)

11930 0415 RHC, EE, usual anti-capitalist horseapples (444; 12/30. Van Beurden/Blom, NY)
17705 1809 RHC, FF, ID, nx on sugar by YL fol'd by cha-cha mx (544; 12/19. Munster, GA)(2030, tlk about Cuban youth music; 555; 12/15. Johnson, IL)

/DOMINICAN REPUBLIC/

4929 0530 R. Mil, LAm pop mx, IDS, OM DJ (444; 12/25. Alexander, PA)
11700 0244 R. Clarin, bc of a baseball game, ID @0253 (444; 12/4. Cohen, PA)(2300, 555; 1/4. Klasek, MO)(2300, 544; 12/14. Wilfinger, OH)(2315, hrd well, though audio breaking up a little at times. No sign of them on old 4850 [Berg, MA])(0040, 433; 12/29. Thompson, CA)(2200, "This is Santo Domingo" with the infamous R.E., on Sat. and repeated Sun. [534; 12/20. Pettit, IA])+4

/EL SALVADOR/

7090 0140 UNID Clandestine, revolutionary talk "la victoria en El Salvador está..." march mx, more talk, mentioned various revolutionary figures (Castro, etc.)(pr; 1/15. Sams, AR)
9553 0235 R. Nacional, 2 OMM w/ sx event, IDs (444; 12/21. Trummel, IL)

/GRENADA/

15045 2211 R.F.G, EE, mx, tlk (323; 1/4. Jones, CA)(2222, American R&R mx, beer ad [433; 12/27. Bickel, CA])(2230, Bingo numbers for game, music, beautiful reception [454; 12/29. Van Beurden/Blom, NY])(2353, mentions of St. George [222; 12/18. Burke, VA])(2330, ads for Opus-80, Upper 10, Black&White booze (I prefer Chivas, myself. ch), Batta Shoe Store. 2335 local nx sponsored by Universal Supplies, Ltd, 0006* (433; 12/17. Thompson, CA)(2245, BBC SX Roundup, 0000*; 333; 12/24. Maise, LA)(2333, ads, better quality (RF-wise) than usual (444; 12/4. Lindley, AL)
15105 2100 R.F.G. hrd here around 2100 on 1/4. Later hrd on 15045 around 2200(Berg, MA)

/GUATEMALA/

3300 0310 R. Cultural, Back to the Bible, Through the Bible, Moody Bible Institute px to 0430 (323; 12/24. Burke, VA)(0245, 333; 12/25. Alexander, PA) (0300, 0430*; 222; 12/24. Creamer, CO)(0422, EE/SS, tlk on compassion of Jesus, into SS. EZL mx @0435; 333; 12/23. Whetzel, IN)
3325 1152 R. Maya de Barillas, tuned in with fine ID @1200 GMT, some Indian language and some with SS, religious mx sung by children's choir from 1210-20 (433; 12/10. Greenwood, PA)(1132, //2360 353 [444; 1/3. Marshall, GA])(0315, ranchera mx, ID by OM @0320, heavy co-channel RTTY QRM; //2360; pr; 12/20. Parks, FL)+1
3360 0210 LV de Nahualá, chanting by man. NO ID, presume this is Nahualá (333; 12/25. Alexander, PA)
5980 0445 TGMUA, AWR Guatemala, EE, "The Quiet Hour," px, OM ancr, ID, QTH given, late sign-off (sudden under-modulation at 0453 to s/off)(333; 12/14. Marshall, GA)(0408, "Quiet Hour," sked, NA, 0500*, best past 0400, also heard around 0900 one morning. 322; 12/17. Dittrich, FL)

/HAITI/

9770 1205 EE, YL w/ nx, maritime weather (it was 66 at Cap Haitien), ID, (333; 12/11./ Hotaling, NV)
11835 1400* 4VEH, EE, "...The Evangelical Voice of Haiti..." (222; 12/27. Sams, AR)

/HONDURAS/

3249 0330 R. Luz y Vida, [But see below. ch] Lone Ranger theme, then "R. Luz y Vida, HR(VB?) San Luis Palavara de Honduras," rel. pxx. from TWR, Mexico, San 0330 Francisco. Address as San Pedro Sula, (333; 12/31. Sams, AR)
3250 0255 HRT(?)C, LV de Hila (sp?), SS, canned rel. px, Christmas mx, TCs, ID: "de la ciudad de San Luis, Departamento de Santa Barbara...HRTC...pais de Honduras en Central America. This is evidently a new station...they also ancd. new MW 1600. Ancd. sked is 2000-0200 GMT (242; 12/30. Huffaker, Mexico) (Thanks to both of you -- I think Mr. Huffaker's ID is more likely. I talked to Mitch Sams last night, and he says that Carl's ID is at least possible on his tape. ch)
4780 0604 R. Juticalpa, LAm mx, OM tlk w/ ID, ads, (444; 12/25. Trummel, IL)
4820 0409 LV Evangelica, EE, trad. Christmas mx, "Guidelines" (333; 12/23. Whetzel, IN)
4890 0217 R. Lux, non-stop Christmas mx, was still going at 0230 (433; 12/30. Kotsakis, OR)(0200, "...R. Lux, Lux, Lux..." ads; 333; 12/31. Sams, AR)(0200, 444; 12/25. Thompson, NM)(0154, usual loud Lux, Lux, Lux, then Christmas mx by Chamber Orchestra of Honduras and Univ. Chorus. 434; 12/31. Huffaker, Mexico)

/MEXICO/

2390 0147 R. Huayacocotla, Mexican mx w. many IDs (433; 12/20. Dittrich, FL)
6020 0000 XEUW, R. Nucleo Oro, OM/YL ancrs, tlk, light LAm organ mx during tlks (443; 12/29. Kotsakis, OR)(0030, 322; 12/24. Dittrich, FL)
6045 2045 R. Universidad, ID, mx, ancd. only MW and TB (sic. FM?? ch) fqys (444; 12/30. Huffaker, Mexico)

/MEXICO/ -- (CONTINUED)

- 6105 1145 Su Pantera, I fainted away when I tuned this in to a 544 SIO. ID: "Su Pantera en Merida, Yucatán, Mexico," mellow serenading mx, ads, phone #s; OM anc; s-meter at +35 dB; (12/9. Greenwood, PA)(0530, 0550* w/ full ID over "Battle Hymn of the Republic," 333; 12/17. Hotaling, NV)(0148, dozens of ads including one for "Banamex," (Banco Nacional de Mexico) and local (Merida) shops, ancd. they would be on 'til midnight (333; 12/17. T. Hall, CA)
- 6115 2200 R. Univ. de Sonora, IDs, armts, class. mx (454; 12/29. Thompson, NM)
- 11770 0056 R. Mexico Internacional, LAM mx, 0100 OM TC/ID/fqy, tlk (333; 12/30. Thompson, CA)
- 15430 0052 R. Mexico, OM anc., tlk, LAM mx (444; 12/30. Kotsakis, OR) //17765 not heard; back to SS @2359 (232; 12/23. Cereghin, MD)(2354, SS ID: "Esta es R. México Internacional," then an EE ID, and into "Mexico in One Minute" @2356-2359 [544; 12/18. Wilfinger, OH])(0050, 444; 12/30. G. Raymond, MA)

/NETHERLANDS ANTILLES/

- 6165 0230 RN, EE, nx, special extended New Year nonsense px; humorous mistakes during broadcasts mentioned. Bloopers [oops, sorry, Bloopers. ch] from RCI. (444; 1/2. Demmitt, PA)+5
- 9590 0250 RN, EE, DXJB, interesting sample of taped IDs, phone interview, tidbits from WRTH '81. (333; 12/19. Demmitt, PA)(0230, 534; 12/18. Johnson, IL)+3
- 9715 0600 RN, EE, DXJ, delightful px of funny stories and SW bloopers (555; 1/2. Thompson, CA)(0530, 444; 12/7. Kopriva, CA)
- 15420 2220 TWR, IS, ID, TC, Fqy, nx, mx (332; 12/20. Smith, FL)(0020, PP, ID/Sao Paulo address, 443; 12/29. Thompson, CA)(0130, 454; 1/2. Thompson, NM)

/NICARAGUA/




- 5950 0100 LV de Nicaragua, tlk by Education Minister Carlos Muñoz, (555; 12/16. Deibel, CA)(0555*, tlk about rebuilding Nicaragua, then IDs, fqys. 555; 12/20. Johnson, IL)(0127, seemed very upset by the events in El Salvador (444; 12/9. Dittrich, FL)(0513, ID @0531 (545; 12/9. Marshall, AZ)(0420, 555; 12/31. G. Raymond, MA)(0200, 444; 1/2. Thompson, NM)

/UNITED STATES OF AMERICA/

- 1620 Xeroxed letter from "Hal Hall" of WFAT-1620 strongly hinted that they would be on New Year's Eve, but no sign of them on a couple of checks (though there was a carrier on 1620 at times)(Berg, MA)(In Red Bank, NJ, Chris Lobdell and I heard a WBUM-1632 [1625 at times] on New Year's Eve. Pretty useless stuff, I think. See Chris L.'s logging below. ch)
- 1625 0550 WBUM, EE, statiun first noted at tune-in playing rock, mostly Beatles, OM DJ IDed as WBUM or "Bum-16." Took phone calls. Per suggestion from caller, tuned up to 1632 kHz to avoid "hum" QRM, but drifted down to 1628 kHz by 0701. DJ's name was "Jack." (fr; 1/1. Lobdell, NJ)
- 4 921 0402 R. Clandestine, EE, a professional quality px of vulgar/profane language and original poor-taste ads. I've heard this pirate on other occasions... (444; 12/7. Cohen, PA)
- 6575 0630 R. International Music, EE, oldies, top-40; "This is the Rocket Man on the Master Blaster, R. International Mx." Gave exact address that KVHF had. Good audio but mike fed back sometimes (444; 1/1. Sams, AR)
- 6580 0630 R. Music International, EE, lots of mx, 0800 John Lennon special, 1004 sang God Bless America, couldn't find record, 1004* (433; 1/1. Pettit, IA)
- 6955 0715 WARG, taking calls. Off by 0800 tune/in (12/21. Berg, MA)
- 6956 0712 WARG, EE, "Hold onto your hats, WARG will soon be on the air!!" on past 0730 (333; 12/21. Pettit, IA)(0705, 0746* (gd; 12/21. Whetzel, IN)
- 7375 0445 R. Syncom, EE, pop/R&R mx, QSL via FRC, sudden signal loss shortly before 0500, supposed to be 45-minute px (433; 12/26. Whetzel, IN)
- 7395 0615 WRB, EE, mx by Rush, goofing off, perhaps intoxicated, local phone nos. (433; 1/4. Eckman, IL/Pettit, IA)
- 7405 0525 R. Confusion, EE, their unique IS caught my attention, px @0530 w/ mx, may have been on after 0630 (322; 1/4. Pettit, IA/Eckman, IL)
- 7550 0206 R. Confusion, EE, tlk on John Lennon, collage of Lennon songs, lots of het/ham QRM, 0216* (221; 12/15. Whetzel, IN)
- 15160 0030* The Voice of the OAS, mx, ID, address, end, //11830 (455; 12/24. Bickel, CA)
- 15185 2003 WINB, Red Lion, PA; EE, mention of Barry Goldwater (Only to be expected. ch)(444; 12/28. Whetzel, IN)
- 15440 1830 WYFR, EE, Insight re Darwin's Theory of Evolution (I think they're agin' it. ch) Christmas tunes played. (322; 12/19. Demmitt, PA)+11 other U.S.A logs.

I will type these last few lines -- I hope that everyone will report next month -- as I get more proficient at using the advantages of the Wang Word Processor, I will think of new and better ways of using it to produce a better column. As I begin, CHRIS HANSEN. this next year of W/H, keep reporting and thanks for your support. *Chris Hansen* & ARKIE *Arkie*

SWBC - EUROPE

EDITOR
 TERRY LINDLEY
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Deadline: 12th
 Times and Dates: GMT
 Frequencies: KHz

ALBANIA

- 5057 0522 R.G.jirokaster: ALB-OM w/exercise pgm. (343 12/14 Trummel-IL)(Park-HI)(Dittrich-FL)(Alexander-PA)(Munster-GA)(Crichton-TN)
- 6200 0350 R.Tirana: EE-YL w/talk on Albanian work force.(322 12/28 Cereghin-MD)
- 7065 0107 RT: PP-YL w/nx & cmtry. (322 12/26 Cereghin-MD)
- 7080 0632 RT: EE-wld nx as only RT can do it, cmtry. (333 12/14 Burke-VA)(Miller-CA)
- 7120 0015 RT: EE-Discussion on millionaires in England who do not pay taxes. (454 Hesch-NY)(Miller-MA)(Thompson-NM) I wonder if that made them millionaires.
- 7290 0345 RT: EE-Anti US commentary. (Blom & Van Beurden-NY)
- 7300 0340 RT: EE-Cmtry on Canadian economy.(444 12/27 Crichton-TN)
- 9745 0130 RT: EE-Nx & cmtry, they seem to hate everybody. (555 1/6 Klasek-MO) That is exactly the impression I get Terry.
- 11985 0700 RT: EE-YL w/cmtry & pop mx. (242 12/14 Findlater-CA)

ANDORRA

- 6220 2154 AWR: EE-Voice of hope pgm, DX pgm, ads.(222 11/30 Dittrich-FL)(Blom & Van Beurden-NY) Also R. Andorra by the following freqs. (Alexander-PA)(Marshall-AZ)
- 15025 1747* AWR: RR-S/off 1747 w/EE ID. (Berg-MA)(253 11/29 Newton-GA)

AUSTRIA

- 5945 0130 Osterreichischer Rundfunk: EE-Report from Austria, religious cmtry.(443 12/6 Fraser-MA)(Johnson-IL)(Alexander-PA)(Smith-FL)(Burke-VA)(Miller-CA)(Ray-PA)
- 9770 0330 ORF: EE-Report from Austria, nx, Austrian Christmas celeb.(333 12/17 Demmitt-PA)(Ayers-OH)
- 12015 0430 ORF: EE-Talk on lumber industry & austrian sports.(333 12/9 Shepherd-IL)(Smith-FL)(Miller-CA)(333 12/9 Kopriva-CA)(Blom & Van Beurden-NY)
- 15200 2350 ORF: SS-"Panarama of the Sciences".(355 12/16 Johnson-IL)
- 15225 *1700 ORF: EE-Interval signal & nx pgm.(322 12/30 Blom & Van Beurden-NY)
- 15560 1930 ORF: GG-Classical mx pgm.(343 12/25 Ketzis-KS)

BELGIUM

- 11700 0015 Belgische Radio en Televisie: EE-New freq to NA w/"Brussels Calling".(333 12/1 Davenport-TN) Appanently they have already abandoned this one because of interference. I wish they would find a freq & stay on it.
- 11980 *0015 HRT: EE-Monsons & mailbag, usually good reception but varies day to day from 121 to 544.(544 12/31 Pettit-IA)(Alexander-PA)(Pyron-NY)(Wampler-VA)(Klasek-MO)(Huffaker-Mex)
- 15175 0030 HRT: EE-"Brussels Calling".(444 12/3 G.Raymond-MA)(miller-CA)
- 15385 0025 HRT: EE-David Monsons pgm "Brussels Calling".(322 12/12 Miller-CA)
- 21460 1545 HRT: FF-YL w/mx pgm, ID then OM talking.(322 12/10 Hotaling-NV)
- 21525 1710 HRT: EE-IS & ID, mx pgm, QRM by WYTR.(Bill Miller-CA)
- 21810 1645 HRT: DI-Mx pgm, IS & ID @ 1659 s/off 1700.(252 12/29 Zilmer-NM)

BULGARIA

- 7115 0432 R.Sofia: EE-Nx pgm, review of EE publications in Bulgaria.(433 12/14 Whetzel-IN)(Picarelli-CA)
- 9665 2130 RS: EE-ID & talk on Bulgarian Christmas customs.(344 12/24 Wampler-VA)(Huffaker-Mex)
- 9700 1947 RS: EE-ID, OM/YL talk on nuclear war.(222 11/20 Hodson-MN)(Smith-FL)(Peck-NY)
- 9705 0037 RS: EE-"Roots of the Nation", mx, ID, & nx.(555 12/31 Wilfinger-OH)(Hesch-NY)(Ray-PA)(Blom & Van Beurden-NY)(Fraser-MA)

CZECHOSLOVAKIA

- 5930 0304 R.Prague: EE-National & wld nx, station IDs.(323 12/29 Miller-MA)(ray-PA)
- 7345 0123 RP: EE-Cmtry on a series of pgms telling how great life is in Socialist pgms. (333 12/19 Burke-VA)(Wampler-VA)(Blom & Van Beurden-NY)(Crichton-TN) + 1
- 9605 1455 RP: EE-Pop mx prn & IDs, into Czech @ 1500.(534 12/12 Miller-CA)
- 11855 0654 RP: EE-OM & YL w/Mailbar prn, usual propaganda.(344 12/7 Lindley-AL)
- 11990 1730 RP: EE-ID, IS, OM w/nx, freq & sked.(222 11/20 Hodson-MN)

DENMARK

15165 2358 R.Denmark: Danish-IS & EE ID then into Danish pgm.(544 1/6 Klasek-MO)
 15650 1500 RD: Danish: IS & statement that pgm is Danish.(444 12/30 Blom & Van Beurden-NY)

FINLAND

9645 0345 R.Finland: EE-"Christmas Radio Play".(534 12/27 Picarelli-CA)(Burke-VA)
 11740 0330 RF: EE-Northern Report by OM followed by listeners letters.(433 1/6 Valentine CA)(Kopriva-CA)(Blom & Van Beurden-NY) (also 1 no name)
 11755 0330 RF: EE-ID, Northern Report, & wld nx.(534 12/27 Miller-MA)(Smith-FL)
 15265 0830 RF: EE-OM & YL w/Mailbag, talk of Finland.(243 12/7 Lindley-AL)
 15400 1325 RF: EE-Cmtry on nuclear weapons in Norway.(444 12/20 Farmer-TN)(Miller-CA)
 21475 1445 RF: EE-Reading of a Finnish Christmas story.(444 12/28 Crichton-TN) + 2

FRANCE

11705 0554 R.France Intl: FF-OM w/ID & freq--sked, then FF pgm.(433 12/7 Lindley-AL)
 15360 1918 RFI: FF-OM w/Amer country & pop mx.(454 1/2 Johnson-IL)
 17720 1705 RFI: EE-"Paris Calling Africa" wld nx & sports.(444 12/29 Whetzel-IN)(Hodson-NY)(Cereghin-MD)(Blom & Van Beurden-NY)(Klasek-MO)
 17775 1550 RFI: FF-French pop mx, ID @ 1559.(232 12/24 Cereghin-MD) CA)
 17795 1715 RFI: EE-Mx pgm, much QRM worst of avail freqs.(433 12/30 Blom & Van Beurden-17850 1755 RFI: EE-ID, then into French.(444 12/20 Valentine-CA)
 17860 1712 RFI: EE-"PCA" nx w/OM ancr.(333 1/1 Farmer-TN)(Blom & Van Beurden-NY)
 21515 1705 RFI: EE-"PCA" nx, P.O. Box 9516 & mx pgm.(444 12/14 Kopriva-CA)
 21580 1705 RFI: EE-"Paris Calling Africa".(544 12/29 Blom & Van Beurden-NY)
 21620 1705 RFI: EE-"PCA" wld nx & Afro rock mx. (533 12/12 Thompson-CA)
 25900 1420 RFI: FF-YL & OM w/nx of France.(453 12/10 Fraser-MA)

GERMAN DEMOCRATIC REPUBLIC

6040 0000 R.Berlin Intl: SS-YL talks about book, OM reads "noticias"(nx) This is the best I've ever heard them.(433 11/23 Pettitt-IA)
 9730 0310 RFI: EE-Cmtry on nuclear meeting coming to Madrid.(433 1/4 Klasek-MO) (B-G SWL Club-NY)
 15240 1430 RFI: EE-ID, "US Against Africa".(433 12/20 Picarelli-CA) Anyone can look at a map and see that we are't against Africa, ch.
 15495 1800 RFI: EE-Talk about 1st anniversary of Rep of Madagascar.(222 12/30 Blom & Van Beurden-NY)
 21465 1500 RFI: EE-IS & s/on, nx pgm, severe QRM.(311 12/30 Blom & Van Beurden-NY)
 21540 1430 RFI: EE-International mailbag contest.(333 12/21 Zilmer-NM)

GERMAN FEDERAL REPUBLIC

5960 0530 Deutsche Welle: EE-Euro nx pgm, pgm on ecology.(544 12/7 Whetzel-IN)
 6030 0630 Suddentscher Rundfunk: GG-German top 40 mx, ID.(??? 12/29 Parks-FL)+ 2
 6100 0530 DW: EE-OM w/wld nx & station ID.(322 11/30 McSkimming-CA)(Johnson-IL)
 6145 0130 DW: EE-National nx, cmtry on child labor.(555 12/25 Johnson-IL)
 6190 0800 Sender Freies Berlin: GG-Peaching service & ID, wld nx.(232 12/25 Sams-AR)
 9545 0523 DW: EE-IS, OM gives freq & sked.(545 12/30 Kotsakis-OR)(Klasek-MO)(Demmitt-PA)
 9605 0500 DW: GG-TD & wld nx, s/off @ 0550.(544 12/7 Miller-CA)
 9565 0138 DW: EE-Pgm of Viking history.(333 12/27 Sanderson-AZ)(Wampler-WA)
 11850 *0930 DW: EE-Nx to 0940, then "Asian Reports".(544 1/4 Munster-GA)
 11905 0610 DW: EE-Nx, Mx pgm & ID @ 0618.(232 12/7 Dennis-IN)
 17720 2330 DW: SS-Mx pgm w/"Tribuna Liatnmericana"(443 11/17 B-G SWL Club-NY)
 21500 1045 DW: EE-OM w/nx, YL w/"Travelogue".(222 11/27 Park-HI)
 21600 1725 DW: EE-Ta lk on Iran-Iraq war.(444 12/30 Blom & Van Beurden-NY)
 21560 1750* DW: EE-Pop mx pgm, IS.(343 12/31 Munster-GA)
 21600 1725 DW: EE-Talk with West African flute player.(333 1/1 Grenier-CA)Zilmer-NM) + 1

GREECE

6015 2155 Voice of America: EE-OM w/ID, freq & sked.(233 12/12 Trummel-IL)
 9515 0130 Voice of Greece: EE-ID, Nx pgm, into SS @ 0147.(545 1/7 G.Raymond-MA)(Ayers-ON)(Burke-VA)(Peck-NY)(Blom & Van Beurden-NY)
 11725 0335 VOG: EE-German folk mx, ID, nx pgm.(544 12/30 Kotsakis-OR)
 11925 0606 VOA: EE-Feature on national Christmas tree in Washington.(333 12/19 Burke-VA)
 15160 0545 VOA: EE-"The Breakfast Show" s/off @ 0600.(333 12/21 Whetzel-IN)
 21555 1535 VOG: EE-Nx pgm, into 3K @ 1550, Anncd 21455.(Berg-MA)

HUNGARY

9800 0315 R.Budapest: EE-Disc of Christmas toys, pushing for better regulations on toys, price is no object if toys are well made & safe.(433 12/21 Byron-NY)
 9835 0200 RB: EE-IS & s/on, talk on Amer hostages.(222 12/30 Blom & Van Beurden-NY)
 17710 0300 RB: EE-OM & YL reads the nx.(333 12/19 Farmer-TN)

RADIO BUDAPEST

A WORD OF ADVICE---DON'T GIVE IT _____ BOB DONLY

ICELAND

12175 1920 R.Reykjavik: Icelandic-OM w/nx pgm, UTE pgm.(232 12/12 Trummel-IL)

IRELAND (pirate)

6316 0820 R.Dublin: EE-Top 40 mx, gives request line #.(322 1/2 Kowalski-WI)(Alexander-PA)(Parks-FL)(Whetzel-IN)(Trummel-IN)(Sams-AR)(Berg-MA)(Marshall-GA)(Munster)

ITALY

6100 0430 Radiotelevisione Italiana: EE-YL w/nx, listed freq is 6165 is this an error or a test?(322 12/18 Munster-GA)Engineer out to lunch, ch.

9575 0100 RAI: EE-IS & ID, freqs, nx, pgm "Leisure Time" off 0120.(433 12/14 Kopriva-CA)(Fraser-MA)(Blom & Van Beurden-NY)(Miller-CA)(Burke-VA)

11800 0104 RAI: EE-YL w/nx pgm.(544 12/31 Wilfinger-OH)

15245 1400 RAI: II-IS, nx pgm beamed to Canada.(443 12/11 Peck-NY)

17795 *1700 RAI: II-IS, nx pgm, QRM by VOA.(222 12/29 Thompson-CA)

21555 1830 RAI: II-"Attention Montreal" IDs & nx.(444 12/30 Blom & Van Beurden-NY)

LUXEMBOURG

6090 0040 R.Luxembourg: EE-Pop mx & commercials.(444 12/30 Wampler-VA)B-3 SWL Club -NY)(Crichton-TN)(Klasek-MO)(Fraser-MA)(G.Raymonr-MA)

MALTA

9510 *2015 IRRA: EE-Religious talk & mx, ID.(333 12/18 Findlater-CA)

9565 0125 Deutsche Welle: EE-Nx pgm, R. Moscow on same freq.(434 12/26 Picarelli-CA)

9670 0743 R.Mediterran: FF-Gospel singing in EE, OM annc in FF.(343 12/28 Farmer-TN)(Moss-CA)(Trummel-CA)(Hall-CA)

11865 0127 DW: EE-ID, sked, report on art gallery.(444 12/15 G.Raymond-MA)(Blom & Van Beurden-NY)(Zilmer-NM)

MONACO

9495 0832 Trans World Radio: EE-Religious pgm, ID.(252 11/27 Hook-FL)(Pettit-IA)(Farmer TN)

NETHERLANDS

5955 0720* R.Nederland: EE-Nx, cmtry, annc & s/off.(343 12/19 Alexander-PA)

9715 0550 RN: EE-Interview dealing w/legal drug abuse in Holland.(555 12/18 Demmitt-PA)(smith-FL)

9895 1930 RN: FF-IS, ID, broadcast to Africa.(433 12/6 Stone-ONT)(grenier-CA)

11720 0700 RN: EE-Graham Gill w/nx pgm "Sunday West", heavy QRM.(222 11/30 Park-HT)

11930 1400 RN: EE-His & Hers pgm. (333 12/22 Zilmer-NM)

15220 2045 RN: EE-DX Jukebox, special Christmas pgm.(222 12/25 Chinakos-WA)

17605 1912 RN: EE-Tom Meyer read birthday messages, mx.(444 12/14 Smith-FL)(Whetzel-IN)

21685 2046 RN: EE-"Newslines" talks about action groups in Holland.(332 12/27 Miller-MA)

NORWAY

9590 0232 R.Norway: EE-OM w/wld nx, cmtry on Maos widow.(444 12/30 Kotsakis-OR)(Ayers-OH)

11850 2215 RN: EE-Christmas pgm & mx.(444 12/21 G.Raymond-MA)(Cereghin-MD)

11860 0000 RN: EE-ID, "Norway This Week", folk mx.(433 12/15 Nesslein-MO)(Ayers-OH)

15175 *2200 RN: EE-Nx, cmtry, talk.(433 11/30 B-3 SWL Club-NY)(Blom & Van Beurden-NY)

15345 2000 RN: EE-IS, ID, Nx, accordion mx, feature on novels.(433 12/14 Kopriva-CA)(Thompson-CA)(Blom & Van Beurden-NY)

21655 1604 RN: EE-YL w/cmtry on 1980 events in Norway.(333 12/28 Grenier-CA) + 1

21730 1419 RN: EE-ID, OM & YL w/listeners letters, mx pgm.(333 12/7 Hodson-MN)

POLAND

7145 0200 R.Polonia: EE-IS & ID, mx pgm w/cw QRM.(433 12/14 Miller-CA)

7270 0210 RP: EE-Nx, Polish folk mx, DX contest, classical mx.(342 12/15 Smith-FL)(232 12/24 Burke-VA)

9540 *1600 RP: EE-Headlines from news, better than NA reception.(322 12/31 Blom & Van Beurden-NY)

9675 0630 RP: EE-Nx by OM, mx pgm, best reception this season.(454 1/5 Klasek-MO)

15120 0220 RP: EE-YL w/rock mx request prgm, ID.(222 12/19 Ray-PA)

PORTUGAL

6185 0500 R.Portugal: EE-ID, nx, freq & sked, mx pgm.(433 12/7 Kopriva-CA)(Whetzel-IN)(Valentine-CA)(Blom & Van Beurden-NY)(Huffaker-MEX)

6316 0030 RP: FF-French pgm from Lisbon went off abruptly @ 0044.(Berg-MA)

9575 0515 RP: EE-Art & culture pgm w/mx.(454 12/18 Demmitt-PA)(Hotaling-NV)(Grenier-CA)

11685 2000 R.Renascenca: PP-Sports & mx, PP IDs, last heard & verified in 1961.(Berg-MA)

11925 0307 RP: EE-ID, nx, PP mx pgm.(444 12/23 Wampler-VA)(burke-VA)(Peck-NY)(Ayers-OH)(Whetzel-IN)(Farmer-TN)(Alexander-PA)

"BE DIFFERENT"

"I'LL BET YOU'VE THIS QUESTION MORE THAN ONCE, "WHY DO YOU LISTEN TO SHORTWAVE"

ROMANIA

7195 1930 R.Bucharest: EE-"Year in Review" w/ham QRM.(433 12/31 Blom & Van Beurden-NY)
 9570 0215 RB: EE-Nx & cmtry.(433 12/10 Ayers-OH)
 9670 0200 RB: EE-S/on, nx, comment on youth club.(544 1/6 Klasek-MO)
 9690 1930 RB: EE-Playing Woody Woodpecker theme.(433 12/31 Blom & Van Beurden-NY)
 11940 0656 RB: EE-Theater & Arts pgm.(433 12/7 Whetzel-IN)(Miller-CA)

SPAIN

9630 0553 Spanish Foreign Radio: EE-OM & YL talks about Soviet diplomat defectors in West Germany.(443 1/9 Traver-CA)(Alexander-PA)(Ayers-OH)(Stone-ONT) + 9
 9765 2000 SFR: EE-ID, OM talks on history of Spanish castles.(242 1/5 Findlater-CA)
 11880 0448 SFR: EE-Talk on Spains aerodynamic labs by YL.(555 12/4 Somers-CA)(Burke-VA)
 (Pettit-IA)(Valentine-CA)(B-G SWL Club-NY)(Crichton-TN)(G.Raymond-MA) + 8
 14880 0345 SFR: EE-OM w/"Spain Today".(544 12/7 Valentine-CA) This is quite a strange freq for SFR, I can't imagine what they are doing here.

SWEDEN

9595 2315 R.Sweden: EE-Gerry Wood's DX pgm, talk on jamming.(444 12/30 Pettit-IA)
 9695 *2300 RS: EE-IS & ID, Christmas pgm.(444 12/24 Wampler-VA)(Picarelli-CA)(Sanderson-AZ)(Ayers-OH)(Whetzel-IN)
 11705 0230 RS: EE-Nx on "Panarama", "Music from Sweden", off @ 0258.(433 12/23 Nesslein-MO)(Dittrich-FL)(Whetzel-IN)(Ayers-OH)(Kopriva-CA)(Miller-MA)(Kotsakis-OR)
 21615 1402 RS: EE-ID, OM w/nx, talk on wages, inflation, nuclear energy.(444 12/8 Hodson-MN)(Fraser-MA)(Whetzel-IN)(Blom & Van Beurden-NY)
 21700 *1400 RS: EE-Nx pgm w/yearly highlights.(422 12/30 Blom & Van Beurden-NY)

SWITZERLAND

3985 *0700 Swiss Radio Intl: EE-W13 nx, pgm on air rescue.(433 12/29 Whetzel-IN)
 6135 0200 SRI: EE-OM talks about opening tunnels between Switzerland & Italy.(544 12/12 Schroeder-WI)(Johnson-IL)
 9535 2200 SRI: EE-Swiss mx pgm.(544 Valentine-CA)
 9725 0430 SRI: EE-ID, Shortwave Merry-Go Round. *Swiss Radio International*
 (544 12/28 Miller-CA)(Whetzel-IN) + 1
 11715 0430 SRI: EE-ID, nx, & "Repeat Performance".(433 12/1 Kopriva-CA)(Thompson-NM)(Miller-MA)
 15305 0150 SRI: EE-Talk on production of cheese.(433 12/30 Blom & Van Beurden-NY)
 17830 1530 SRI: EE-"Book Talk" pgm, talk on downhill skiing.(222 1/4 Grenier-CA) + 1
 21570 1830 SRI: EE-"Dateline" nx pgm, into GG @ 1845.(433 1/7 Kowalski-WI)(Pettit-IA)
 (Grenier-CA)(Whetzel-IN)(Dennis-IN)(Picarelli-CA)(Blom & Van Beurden-NY)
 21695 0910 SRI: EE-Mx pgm, talk about "Air Rescue Guard" .(322 12/29 Bowers-Korea)

UNITED KINGDOM

5975 0120 BBC: EE-Talk about China.(444 12/16 Ray-PA)
 6115 0230 BBC: EE-ID by OM, talk on writers & books.(554 12/15 Schroeder-WI)
 6150 2230 BBC: EE-Regular pgm feature "Play of the Week".(423 12/28 Miller-MA)
 7260 0700* BBC: EE-English by radio on "Technol Tomorrow".(333 12/18 Munster-CA)
 7325 0445 BBC: EE-IDs, wld nx, Review of the British Press.(444 1/3 Thompson-NM)
 9410 2335 BBC: EE-"Jazz for the Asking", excellent jazz pgm.(555 12/27 Crichton-TN)(Fraser-MA)
 11750 2030 BBC: EE-"Assignment" pgm on Ireland-UK conflict.(444 12/17 Whetzel-IN)
 12040 1900 BBC: AA-OM w/nx, BBC sked confirms trans.(252 1/1 Findlater-CA)
 12095 1550 BBC: EE-Sports scores, ID, nx & cmtry.(544 1/3 Thompson-CA)
 15070 2025 BBC: EE-Nx pgm, short story @ 2030.(333 12/20 Maise-LA)(Kopriva-CA)
 15205 1500 WOA: EE-Wld nx pgm, on Sats only.(323 12/20 Whetzel-IN)
 21470 1500 BBC: EE-"Radio Newsreel".(555 12/30 Blom & Van Beurden-NY)
 21550 1325 BBC: EE-"24 Hours" pgm, info on pres of Senegal.(454 12/31 Hesck-NY) + 1
 21710 1817 BBC: EE-News summary from mideast countries.(333 12/? Dennis-IN)(Blom & Van Beurden-NY)
 25650 1550 BBC: EE-Christmas mx, religious service.(544 12/24 Miller-CA)

U S S R

4940t 0440 R.Kiev: EE-Classical mx, sked & s/off @ 0400.(??? 12/29 Crichton-TN)
 7165 2315 R.Moscow: EE-Talk on China.(433 12/30 Blom & Van Beurden-NY)
 7150 2300 R.Vilnius: EE-Freqs, nx, cmtry on 1980.(444 12/30 Yuffaker-MEX)(G.Raymond-MA)(Whetzel-IN)(Miller-MA)
 7400 0320 RK: EE-Mailbag pgm w/ute QRM.(444 12/27 Crichton-TN) (Smith-FL)
 9500 *0100 R.Magallanes: EE-???? Cmtry directed to Chile.(444 12/?? Blom & Van Beurden-NY)
 9645 *0200 RM: EE-Nx & mx to Chile.(444 ??/? Blom & Van Beurden-NY)
 9665 0310 Ivano-Frankovsk: SS-OM & YL w/nx pgm.(554 12/15 Munster-CA)
 9800 2345 R.Moscow: EE-talk on Afghanistan.(544 12/29 Blom & Van Beurden-NY)
 11945 0630 PM: EE-IS, classical mx, SSB mode.(454 12/21 Findlater-CA)

U S S R /

11630 0221 R.Moscow: SS-YL w/cmtry @ 0229, IS @ 0230.(333 12/23 Boehm-TX)(Hotaling-NV)
 11800 0358 R.Magellanes: SS-ID, into R.Moscow IS & RR.(444 12/30 Leeman-RI)
 11835 1400 R.Moscow: EE-Nx & Mx (classical).(333 12/24 Smith-FL)
 12050 0320 R.Moscow: EE-Cmtry on chemical warfare.(555 12/7 Picarelli-CA)
 15100 0015 R.Rodina: RR-OM & YL w/mx pfm, into EE @ 0030.(333 12/27 Traver-CA)
 15100 0300 R.Kiev: EE-Nx by YL, mailbag pfm.(444 12/7 Kopriva-CA)(Johnson-IL)(Smith-FL)
 15100 2300 R.Vilnius: EE-IS, s/on w/"Week in Review".(333 ??/12 Blom & van Beurden-NY)
 15100 0355 R.Yerevan: EE-YL w/ID, s/off @ 0400.(444 12/14 Hotaling-NV) + 2
 15140 0000 R.Moscow: EE-Talk of arms race between US & USSR.(544 12/7 Valentine-CA)
 (Dennis-IN)
 15240 0355 R.Yerevan: EE-Parallel to 15100, QRM by VOA.(411 12/30 Blom & Van Beurden-NY)
 17870 2300 R.Vilnius: EE-Wld nx, cmtry on situation in Poland.(444 12/17 Hesck-NY)
 (Valentine-CA)(Thompson-CA)(Huffaker-MEX)(McSkimming-CA)
 21530 0100 Petropavlevsk: EE-Talk on the views of Socialism.(433 12/31 Blom & Van
 Beurden-NY) Our views or theirs? ch

VATICAN CITY

6015 0105 Vatican Radio: EE-"The Day After Christmas" pfm.(433 12/26 Picarelli-CA)
 (Whetsel-IN)(Johnson-IL)
 9605 0100 VR: EE-Sked of Mass bcst, talk on Christmas.(343 12/24 Burke-VA)(Blom & Van
 Beurden-NY)(Kopriva-CA)
 9645 0640 VR: LL-Latin Mass, organ mx, ID, freq & sked.(333 12/15 Hotaling-NV)
 11725 0000 VR: SS-IS @ 2355, ID in SS @ 0000.(555 12/3 G.Raymond-MA)
 11810 1555 VR: EE-OM w/ID, freqs, some QRM.(333 12/18 Hotaling-NV)
 11845 0106 VR: EE-Religious talk about Immaculate Conception.(?? 12/8 B-G SWL Club-NY)
 15120 1529 VR: Polish-IS & bells, Mass.(322 12/28 Cereghin-MD)
 17735 1548 VR: EE-OM w/Afro rel mx, "Welcome to VR African service.(343 12/26 Thompson-CA)

YUGOSLAVIA

9620 2214 R.Yugoslavia: EE-YL w/nx, many IDs, cmtry.(444 12/9 Trummel-IL)(Blom & Van
 Beurden-NY)(Burke-VA)
 11735 0900 RY: ??-IS & s/on @ 0900, OM w/EE ID. Lang???(444 12/7 Lindley-AL)

EUROPE***EUROPE***EUROPE***EUROPE***EUROPE***EUROPE***EUROPE***EUROPE***EUROPE***EUROPE***EUROPE***
 We have fewer reporters this month, only 57 to be exact. Therefore there are'n't enough reports to fill 5 pages. Remember that you get out of the club what you put into it so why not get those reports in to me or Peggy. If we had more reports you would'n't have to listen to me!

A new club is being organized in Georgia which will be known as the USDIA or United States DX Alliance. It will cover 10 khs to 108 mhs with every type of transmission except ham & CB. Thats quite a tall order for a beginning club, but we wish you the best of luck.

On page 19 of last months column you have probably noticed that R.Nederlands is listed under Monaco. No they don't have relay stations in Monaco as someone has asked me. I apparently left off the heading for R.Nederlands. I'll try to be more careful in the future.

For you dyed in the wool DXers, and I'm speaking about those of you into the numbers game.(By the way I'm not being critical of you. Would'n't it be a dull world if everyone in it were the same? ch) I have included some material from Swiss Radio Internationals current program sked, which in my opinion are among the best pfm on shortwave. I hope that you find it interesting. Remember your loggings could have gone in this space, so why not get them in next month.

See you in 30, 73a, Jerry

Monday to Friday

Dateline: At 07.00, 09.00, 11.00, 12.00 (summer 81),
 13.15, 15.30, 18.15, 21.45 (new transmission), 01.45,
 04.30 GMT

Saturday

07.00, 09.00, 11.00, 12.00 (summer 81), 13.15, 15.30,
 18.15, 21.45 (new!), 01.45, 04.30 GMT

Roundsabout Switzerland (1st Saturday)

Meet the people and visit the places the busy visitor often overlooks; a lesser-known Switzerland viewed through the audioscope of SRI.

The Swiss Shortwave Merry-Go-Round

(2nd and 4th Saturdays)
 Keep up-to-date with the DX scene: the "Two Bobs" prove that there is much more to international radio than QSL cards.

A Taste of History (3rd Saturday)

Food is many things: nourishment, of course, and sometimes an art. This series examines food as an expression of Swiss society.

Dateline Review (5th Saturday)

Fifth Saturdays are reserved for our review of the major events of the month as reflected by Dateline, our current affairs magazine.

Sunday

07.00, 09.00, 11.00, 12.00 (summer 81), 13.15, 15.30,
 18.15, 21.45 (new!), 01.45, 04.30 GMT

Book Talk (1st Sunday)

Contemporary Swiss writers set aside their pens to talk about their work, their aspirations and their country.

Inter/Action (2nd Sunday)

Swiss organizations and Swiss-based international agencies; ... what they are and how they work in the world.

Sunday Supplement (3rd Sunday)

In-depth expansion of selected subjects first introduced to SRI listeners in our Dateline current affairs magazine.

Jazz Panorama (4th Sunday)

Highlights from the world of international jazz.

Repeat Performance (5th Sunday)

Is there a favourite SRI feature programme that you would like to hear again? Drop us a line and help us choose Repeat Performance.

SWBC DX

AFRICA



Editor: WAYNE OLIVER
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 03865



FEBA
 Seychelles

Radio Television Kaduna

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

Hope everyone is enjoying a prosperous New Year! Before I forget to mention, I will be hosting a "BAD GUYS" meeting, Sunday March 1, 1981, 12:00PM-??? For more information and directions, please call or write by February 20, 1981, many good times are had by all at these area meetings...for those of you in the Boston area, I figured that since I usually work the dates of other meets, it would be a safe bet if I planned one, that I'd be there! Lot's of logs this month! For those of you who reported 11720 kHz to be BBC-Lesotho, I have been informed by Richard Ginbey & other's in S. Africa that this is not Lesotho, but Ascension Island, final installation of transmitters in Lesotho is not complete, and no date has been set for testing....

ALGERIA

7180 0546 Radio Algiers: AA OM tlks, ARO QRM (333 1/1 Newton-GA)
 11740 2112 RA: EE nx, weather, ID, co/channel QRM (312 1/1 Rotramel-AR)
 17215 1900 RA: AA mx, YL/OM tlks //21635 (333 12/22 Sams-AR)

ANGOLA

3375 0343 Radio Nacional: PP anns, slow Afro mx (322 12/10 Sams-AR)
 5100 2207 Em. Reg. do Mocamedes: PP YL w/polt tlks, OM ID, //5192
 (pr-fair 12/17 Parks-FL)
 5192t 2230 Em. Prov. do Moxico: PP tlks, 2215 //5100, severe ute het
 (poor 12/17 Parks-FL)
 7001 0420 Em. Reg. do Lobito: Pop instrumentals, PP ID at 0435, ARO QRM
 (fair/good 12/15 Parks-FL)
 11955 1635 R. Nacional: PP ID's, YL/OM tlks (333 12/17 Thompson-CA)

ASCENSION ISLAND

7105 0259 BBC: EE World nx, //11860/9580/9410/7185 (333 12/29 Cereghin-
 MD)(444 12/30 0259 EE Thompson-NM)
 15105 1745 BBC: EE "Sportscall" (232 12/21 Zilmer-NM)
 15400 0457 BBC: EE ID at 0459, Ascension ID, //6005 annd (232 1/4 Nelson)
 17885 1710 BBC: EE nx, ID, African nx (333 1/1 Davidson-SC)
 21550 1615 BBC: EE "Focus on Africa" (333 12/29 Zilmer-NM)
 21660 1515 BBC: EE tlks on trials in China (322 12/20 Blom/Vanbeurden-
 NY)(232 12/28 0740 EE Park-HI)

BENIN

4870 2143 ORTB: FF OM tlks, 2144 ID, QRM (222 12/24 Cereghin-MD)(333
 12/11 Witte-CA)

BOTSWANA

4845 0358 R. Botswana: EE /Vern tlks by OM, ID (232 12/23 Trummel-IL)
 (323 12/21 0345 Vern/EE Witte-CA)

CAMEROON

4000 2211 R. Bafoussam: FF OM tlks, ID, into mx pgm (333 12/16 Trummel-
 IN)(222 12/31 0445 FF Park-HI)
 4750 2140 R. Bertoua: FF OM ID at 2150 (fair 12/10 Parks-FL)(Ray-PA)
 4850 2203 R. Yaounde: FF anns, nx at 2205 by YL (333 1/4 B. Raymond-MA)
 (423 12/27 0345 EE Witte-CA)(232 12/24 2142 FF Cereghin-MD)
 (343 12/31 2051 EE/FF Davidson-SC)
 5010 0430 R. Garoua: EE ID "This is Garoua" (322 1/4 Futch-GA)(323
 1/5 Witte-CA)(343 12/? 0500 FF Blom/Vanbeurden-NY)

CANARY ISLANDS

15365 2240 REE: SS YL anns, EZL mx (434 12/12 Davidson-SC)(Witte-CA)

CHAD
4905 2218 RNT: Vern OM tlks. ID by OM (233 12/16 Trummel-IL)

CONGO
3264 0450 RTVG: FF nx, choral mx, 0458 ID (423 12/28 Witte-CA)
4838 2252 RTVC-Pointe Noire: FF ID, mx (333 12/30 Sams-AR)(poor 1/5 Witte)

EGYPT
7075 0420 Radio Cairo: AA chants, OM ID, cmnty (444 12/20 Boehm-TX)
7077.5m 0430 RC: AA Koran recitation (332 12/29 Earhart-PA)
9455 0407 RC: AA chants (444 12/30 Newton-GA)
9475 0222 RC: EE YL news, 0230 ID (533 12/17 Schroeder-WI)(Sanderson-AZ)(Kopriva-CA)(G. Raymond-MA)(Byron-NY)(Leeman-RI)(Miller-MA)(B-G SWL Club-NY)
9805 2301 RC: EE cmnty on PLO (333 12/4 Farmer-TN)(Smith-FL)(Kotsakis-OR)(Steck-IL)(Oliver-NH)
11745t 0353 RC: AA OM chants, RR Co/channel (433 12/30 Park-HI)
11785 1400 RC: AA mx, ID on hour (322 12/30 Sams-AR)
12050 0200 RC: EE to NAM, "Cairo Calling" (433 12/10 Nesslein-MO)(Newton-GA)(Miller-CA)
15475 1809 RC: AA "Voice of Arabs" pgm, nx by OM (222 12/27 Cereghin-MD)
17670 1740 RC: AA chants, OM tlks (333 12/14 Smith-FL)

EQUATORIAL GUINEA
6250 2156 R. Malabo: Afro mx, SS ID at 2158 (333 1/3 Cunningham-OH)(322 1/1 0608 SS Rotramel-AR)(222 12/28 2157 SS Lentz-PA)

GABON
4777 2133 RTVG: Organ mx, FF OM ID at 2145 (232 12/24 Cereghin-MD)(322 12/28 2320 FF Kotsakis-GR)(433 12/6 2240 FF Davidson-SC)(222 12/26 0004* FF O'Riordan-ID)(333 12/30 2240 FF Newton-GA)
4830 2241 RTVG-Franceville: Listeners names, addresses in FF //4777 (222 12/30 Sams-AR)

GHANA
3366 2250 GBC: EE nx read by YL (232 1/3 Futch-GA)
4915 0602 GBC: EE domestic nx (322 12/20 Whetzel-IN)(Witte-CA)(B.Raymond)

GUINEA
15310v 0359 LV de la Revolution: native folk tunes, TP's, FF ID by OM freq varies from 15309-15317 kHz (fair 12/19 Lobdell-MA)(Blom/Vanbeurden-NY)(Witte-CA)(Trummel-IL)(Fisher-MA)

GUINEA-BISSAU
5040t 0610 R. Nacional: PP OM speech, afro mx, no ID heard (222 12/7 Cohen-PA)

IVORY COAST
4940 2154 RTVI: FF YL DJ, OM nx at 220C (222 12/30 Cohen-PA)
7215 2340 RTVI: Afro chants, FF ID at G000* (322 12/2 Hotaling-NV)(Witte)
11920 0658 RTVI: Afro mx, 0701 FF ID (343 12/6 Marshall-AR)

KENYA
4915 0333 VOK: Swahili tlks, fade out (222 12/23 Rotramel-AR)
4934 0400 VOK: (Mombassa Service) AA guitar mx, Vern tlks (222 12/27 Sams)

LESOTHO
4800 0425 R. Lesotho: Vocals, Vern OM tlks (333 1/4 Binau-MD)(Rotramel-AR)

LIBERIA
Freqs reported by 18 reporters this month are...ELWA:4765/11835/11930.....
VOA: 6035/7280/15445/17870/21660...UN Radio: 21730 kHz.....

LIBYA
9500 2215 SPLAJBC: AA vocals, tlks, ID (444 1/3 Thompson-NM)
11825 0105 SPLAJBC: AA chants, ID's (444 12/23 Trummel-IL)
17480 2140 SPLAJBC: AA tlks, weak and fading //17705 (222 1/1 Sams-AR)
17930 1627 SPLAJBC: AA tlks, 1649 OM ID (444 12/13 Cunningham-OH)

MADAGASCAR
15220 2050 RN: EE "Newsline" (323 12/16 Marshall-AR)(Maise-LA)(Kopriva)
15560 *1122 RN: IS, into Indonesian pgm, FAX QRM (332 1/1 Park-HI)
21685 1530 RN: OM w/Dutch nx, pgm on local politics (333 12/27 Park-HI)
25650 0700 RN: EE nx, short story (344 12/26 Park-HI)

MALAWI

3380 0335 MBC: Afro mx, OM Vern tlks (222 12/23 Trummel-IL)

MALI

4783 0600 RNM: Vern anns, Harp IS, chants (222 12/27 Sams-AR)
 4838 2246 RNM: FF tlks, Afro songs (333 12/25 Dittrich-FL) //4783???wlo
 5995 0700 RNM: OM w/FF tlks, pops, ID at 0700 (333 12/27 Nikolich-IL)
 11960 1745 RNM: FF tlks, rock mx (232 12/29 Zilmer-NM)

MAURITANIA4845 2349 RNM: AA Koran readings by OM (444 1/7 Johnson-IL)(Moss-CA)
(Klasch-MO...sp???..wlo)(Witte-CA)(Thompson-CA)(Cereghin-MD)
(Blaize-LA)(Newton-GA)MOROCCO

9540 1945 RTVM: OM AA tlks,mx,ID (233 12/23 Trummel-IL)
 9760 1736 VOA: EE OM tlks on schools (233 12/23 Trummel-IL)
 15205 1805 VOA: EE nx (544 11/23 Bledsoe-MO)

MOZAMBIQUE

3210 0255 RCM:EE/FF/PP ID after IS,"This R. Mozambique in Maputo"
(333 12/10 Sams-AR)
 3265 0328 RCM: PP tlks, between songs (222 12/10 Sams-AR)
 3280 0204 RCM: PP tlks, OM ID (333 12/18 Trummel-IL)
 3338 *0300 RCM: IS at 0258, PP ID at s/on (333 12/10 Sams-AR)
 9618 *0250 RCM: IS, ID's between in EE/PP/FF/LL, 0256 NA, chimes, PP ID
 TP's on hour (222 12/13 Cunningham-OH)

NAMIBIA/SOUTHWEST AFRICA

3270 0405 R. SWA: Rlg and soul mx, Vern tlks (322 12/31 Park-HI)(???
 1/4 0437 Vern Tent. Lobdell-NJ)(pr 12/19 0445 Vern Tent Parks)
 4965 0405 R. SWA: Vern rlg pgm, 0500 OM ID's (433 12/5 Witte-CA)(333 12/9
 2125 Vern Ray-PA)

NIGER

5020 0555 ORTN: Vern OM tlks, w/ID (252 12/25 Trummel-IL)

NIGERIA

4770 0601 FRCN-Kaduna: EE nx, cmnty on small industry (444 12/30 Huffaker
 Mexico)(Trummel-IL)(Witte-CA)(Whetzel-IN)(Parks-FL)(Johnson-
 IL)(Thompson-CA)(Moss-CA)(Davidson-SC)
 4990 0609 VON: EE nx (343 12/28 Huffaker-Mexico)(poor 12/11 Witte-CA)
 5965 0602 Plateau Broadcasting Corp: EE ID, Nigerian nx (323 12/20
 Johnson-IL)(Sams-AR)(Nikolich-IL)
 6050 2235 FRCN-Ibadan: Vern OM tlks, ID (333 12/16 Trummel-IL)(322 12/26
 2200 Vern/EE Sams-AR)
 6195 0620 FRCN-Sokoto: Vern tlks, EE ID at 0630 (333 1/5 Witte-CA)
 7145t 0640 FRCN-Ilorin: Afro pops, ads, EE tlks, unclear ID's (323 1/5
 Witte-CA)
 7225 0648 VON: FF tlks by OM, ARO QRM, ID's (433 12/28 Miller-CA)
 15120 2155 VON: OM w/EE ID at 2158, 2200* (Lindley-AL)

RWANDA

6055 0400 R.N.R.: FF nx, afro mx, feature (322 1/2 Klasch-MO) ID???..wlo
 15405 2350 DW: GG nx by OM on Africa (333 12/13 Witte-CA)

SAO TOME e PRINCIPE

4807t 2238 Radio Nacional: PP tlks, no positive ID (121 12/30 Newton-GA)

SEYCHELLES

11855 0159 FEBA: IS,EE ID at s/on, WYFR QRM de 11850 (333 12/27 Moss-CA)
 11865 1400 FEBA: IS,Vern ID,tlks, mx (242 12/23 Zilmer-NM)(222 1/1 1600
 ?? Sams-AR)(232 1/9 1415 Vern Oliver-NH)
 15300 1802 FEBA: IS, 1805 ID, Vern relg pgm (353 12/5 Cucura-PA)(232
 1/1 *1802 Vern (Oromo listed) Park-HI)
 15360 0445 FEBA: After BBC s/off clear EE ID w/Radio Today pgm, into
 presumed Swahili (343 12/12 Burke-VA)
 15400 *0310 FEBA: IS, Farsi s/on (555 12/23 Johnson-IL)(333 12/28 0307
 Farsi Kotsakis-OR)(444 12/8 0323 Farsi Newton-GA)

SIERRA LEONE5980 0745 SLBS: EE BBC World nx, ID (333 12/19 Alexander-PA)(Witte-CA)
(Dittrich-FL)(Whetzer-IN)(Thompson-CA)(Johnson-IL)

SOUTH AFRICA

South African frequencies reported this month by 18 reporters are.....
3250/4835/4880/9585/11800/11900/15155/15210/15325/17775/17880/21540&25790...

SUDAN

7120 0433 R. Omdurman: YL w/AA nx, ID (333 12/23 Trummel-IL)

SWAZILAND

3200 0307 TWR: Vern preaching (222 12/10 Sams-AR) lich)
3240 0320 TWR: OM Vern tlks, hymns, ID (poor 1/2 Lobdell-NJ)(Sams)(Niko-
3275 0305 TWR: Hymns by choir, QRM (222 12/10 Sams-AR)
4980 0250 Radio SR: Top 40 hits, EE ID's (good 12/26 Parks-FL)(333 1/1
0330 EE Rotramel-AR)(poor 1/2 0334 EE tent. Lobdell-NJ)
9730 0430 TWR: EE "Free Baptist Church" (233 1/4 Park-HI)

TANZANIA

3339 0155 R. TV Zanzibar: Vern tlks by OM, ID (222 12/18 Trummel-IL)
(323 12/28 0310 Vern tent. Witte-CA)
4785 0334 R. Tanzania: Swahili ID at 0400, nx (323 12/19 Sams-AR)
(222 12/30 0300 Swahili G. Raymond-MA)
9685 0400 R. Tanzania: Afro nx, ID "This news is coming to you from the
external service of Radio Tanzania, Dar es Salaam" (333
12/19 Sams-AR)

TOGO

5047 0530 RTT: IS, FF ID (444 12/20 Johnson-IL)(222 1/9 0539 FF Traver-
CA)(232 1/2 0629 FF Thompson-CA)(433 12/20 0615 FF Witte-CA)

TUNISIA

7225 0450 RTVT: AA OM/YL anns, ID (423 12/11 Witte-CA)
11970 0722 RTVT: AA nx, w/mx, anns (333 1/3 Sams-AR)//15225/7225.....

UGANDA

5026v 0400 R. Uganda: EE African nx, ID 7.5kW??? (333 12/19 Sams-AR)
(423 1/4 0425 EE Witte-CA)(453 1/4 0403 EE Nikolich-IL)(333
1/3 0412 EE Cunningham-OH)(232 12/17 0333 Vern Hall-CA)
(323 12/29 0327 EE Huddleston-TX)(333 12/12 2001 EE Cohen-PA)
9730 1500 Radio Uganda: Vern tlks, heavy QRM de VOA (333 12/27 Sams-AR)
15250t 1850 Radio Uganda: FF anns, mentions of Africa, covered by VOA
at 1900 (222 12/22 Sams-AR)
15325 0330 Radio Uganda: US EZL mx, EE anns (454 12/ 14 T. Hall-CA)
(Johnson-IL)(Whetzel-IN)(Kopriva-CA)(Farmer-TN)(Bledsoe-MO)
(Snider-ONTARIO)

ZAMBIA

4911 0350 ZBS: Shocked to hear the clarity of signal this nite. Best
Signal ever, ID, IS, NA, CW ute QRM (1/4 Lobdell-NJ)(343
12/29 Huddleston-TX)(433 12/20 0400 Vern Witte-CA)(323 1/1
0345 Vern Rotramel-AR)

ZIMBABWE

3396 0356 ZBC-Radio One: EZL mx, EE ID, mx pgm (232 1/3 Lentz-PA)(323
1/7 0330 EE Johnson-IL)(333 1/4 0330 EE Klasch-MO)(322 1/2
0327 EE Cunningham-OH)(323 12/21 0335 EE Witte-CA)

AFRICAN DRUMBEAT

ALGERIA: Radio Algiers can be a source of irritation and frustration. The
Arabic Service constantly changes frequency between 17200 and 17270
kHz which puts this particular transmitter well outside the 16 mb.
In the 13 mb the French and Arabic Services have swapped channels,
Arabic is now on 21635 and French is on 21725 kHz, which
mixes with Morocco's Arabic Service also on this frequency 1000-2200.

ANGOLA: Radio Nacional de Angola back on 11955 kHz can again be heard in EE
on weekdays, 1130-1200. At midnight GMT Luanda has been noted on
4820/7215/7245 and 9535 kHz with no sign of 3355 and 3375 kHz. BBC in...
BBC in...

LESOTHO: The station reported as the BBC's new station in Lesotho on 11720
is in fact the Atlantic Relay on Ascension Is.-Lesotho is not on air!

ZIMBABWE: Watch for the ZBC in the 120 mb-Radio Jacaranda or Radio 3 has
been observed using 2336 kHz, instead of 2425 kHz.....
The above items from R. Ginbey in S. Africa.....out of room for another
month....Don't forget BAD Guys meeting March 1...see masthead for info..wldo

ASIA-OCEANIA

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



ASIA

AFGHANISTAN

- 4450 0146 R. Afghanistan; ? Lang; AA mx, singing // 4740 (141 12/20 Huddleston-TX)
4740 0130 RA: Pushto?; OM Tx, Chants, Folk Mx, YL (242 12/30 Peck-NY)

PEOPLE'S REPUBLIC OF CHINA

- 2340 1250 Fuzhon, Fujian I; CC; CC orch. mx, YL Tx (333 1/1 Sams-AR) (Robertson-WA)
2460 1255 Kunming Yunnan I; CC; CC Tx, singing (322 1/1 Sams-AR)
3220 1550 Beijing 1; CC; YL Px, Mx (222 11/27 Park-HI)
4905 1413 Nanning Guanxi; CC; CC mx (434 12/14 Miller-CA) (Lentz-PA)
4960 1420 R. Peking; JJ; YL Tx (434 12/16 Miller-CA) FL)
5010 2250 Nanning Guangxi II; ? Lang; YL, Mx, IS, 2300* (Fr 12/12 Parks
5075 1310 Beijing 2; CC; OM Tx, Mx, YL Tx (534 1/5 Miller-CA)
5170 1140 Fujian Front Station 2; Amoy; Orient Mx // 6000, 7025 (333 12/20 Alexander-PA)
5240 1230 FFS 1; CC; YL Tx, OM Tx Mx (534 1/5 Miller-CA)
5265 1135 FFS 1; CC; OM Tx // 5240, 7850 (333 12/20 Alexander-PA)
5900 1115 FFS 1; CC; Tx, Mx (343 12/10 Ray-PA) (Tom Smith-FL) NV)
5950 1350 Haerhpin Heilongjiang; CC; OM/YL Tx, Mx (333 12/15 Hotaling-
6320 1539 RP; CC; CC 'opera', YL Tx (232 12/21 Bickel-CA)
6765 1305 FFS 1; CC; Mx, YL Tx (534 12/7 Miller-CA)
6995 1230 Voice of Democratic Kampuchea; ? Lang; YL Tx // 11990, 11685 (222 1/6 Sams-AR) *
7504 0920 Beijing 1; CC; CC Mx, YL Tx (142 12/31 Robertson-WA) *
(Barrett-CA) *
7850 0958 FFS 1; CC; IS, ID, Mx, YL Tx (353 12/31 Lentz-PA)
9020 0700 RP; CC; Mx, YL Tx (232 12/31 Findlater-CA) (John, could this be Beijing 2 instead of RP?-ed.)
9064 1730 Beijing 1; CC; YL Tx 1732* (333 12/21 Bickel-CA)
9820 1200 RP; EE; IS, ID, YL Nx (434 12/13 G. Raymond-MA)
9920 1523 RP; CC; YL Tx, Mx (455 12/21 Bickel-CA)
11600 1352 RP; EE; ID, YL, Skeds, Cmty, Mx 1355* (222 11/21 Hodsdon-MN) (Miller-CA)
11685 1745 RP; CC; 'Opera', Mx (444 12/18 Hotaling-NV)
15030 0042 Beijing 2; CC; Px, Mx (333 12/18 Bickel) (Smith-CA)
15120 0204 RP; EE; Nx, ID, Cmty, 'Opera' (343 12/5 Tom Smith-FL) (Hotaling-NV) (Barrett-CA)
15125 0112 RP; EE; Sports (444 1/4 Futch-GA) (Bickel-CA) (Cereghin-MD) (G. Raymond-MA) (Picarelli-CA) (Johnson-IL) (Lindley-AL)
17533 *0200 RP; SS; ID, YL Tx, Mx (343 12/27 Findlater-CA)
17650 0240 RP; SS; Mx, ID YL Tx (444 12/23 Huffaker-MEXIC)
17680 0142 RP; EE; Tx on Sea Trade (433 12/27 Sanderson-AZ) (Binau-MD) (Blom/Van Beurden-NY) (Blaize-LA) (B/G SWL Club-NY) (Forbes-TX) (Ketzis-KS) (Farmer-TX) (Byron-NY) (Kopriva-CA)
17850 0000 RP; EE; IS, ID, Nx, (454 12/9 Tom Smith-FL) (Van Beurden/Blom-NY)
17855 2125 RP; EE; Nx Items from 'People's Daily', Mx (534 12/28 Miller-CA) (Johnson-IL) (Picarelli-CA) (Huffaker-MEXICO) (Binau-MD) (Earhart-PA) (Whetzel-IN) (Cereghin-MD)

HAPPY VALENTINE'S
DAY!

INDIA

3235 1310 AIR-Gauhati C: ? Lang; Indian Mx (222 1/6 Sams-AR)
 3365 1310 AIR-Delhi: ?Lang; Sub-cont Mx, Tx, faded 1316 (222 12/30 Sams-AR)
 9705 1545 AIR: EE; Nx, into ? Lang (333 1/2 Sams-AR)
 10335 1548 AIR: EE; Econ. Tx // 9950 (222 1/2 Sams-AR)
 11620 1820 AIR: EE; Nx, Cmty, Px (232 12/10 Burke-VA) (Tom Smith-FL) (Binau-MD) (Ayers-OH) (Hodsdon-MN) (Whetzel-IN) (Huddleston-TX) (Bickel-CA)
 11810 1400 AIR: EE; Sports Nx (242 12/27 Zilmer-NM)
 15110 2202 AIR: EE; OM Tx, ID, Nx (444 11/22 O'Brien-AUSTRALIA)

INDONESIA

3120 1252 RRI-Dili: Indo; Mx, ID, Tx (322 12/27 Sams-AR)
 3300 1442 RKPDKT2-Bandung: Indo; Mx, YL Tx, Px (323 12/29 Bickel-CA)
 3385 1313 RRI-Kupang: Indo; Nat'l px, Nx (323 12/27 Sams-AR) HI)
 4719 1500 RRI-Ujung Pandang: Indo; ID, Nx (434 12/27 Grenier-CA) (Park-CA) (Cuppy-IN) (Cereghin-MD) (B. Raymond-MA)
 4900 1359 RRI-Surakarta: Indo; YL Mx, OM Nx (333 12/26 Thompson-CA)

IRAN

9022 1930 VOIRI: EE; Quran reading, Tx, Nx, Cmty, Mx (343 12/28 Chinsky NY) (Johnson-IL) (Blaise-LA) (Pettit-IA) (Hodsdon-MN) (Bickel-CA) (Cuppy-IN) (Cereghin-MD) (B. Raymond-MA)
 15084 1303 VOIRI: Farsi; Chants, OM, ID (232 12/24 Cereghin-MD)

IRAQ

7180 0500 Voice of the Masses-Thourah: AA; OM ID, Mx, Chants, YL (333 1/5 G. Raymond-MA)
 9745 *2130 R. Baghdad: EE; War Nx, Mx (333 1/4 B/G SWL Club-NY) (Blom-Van Beurden-NY) (Blaise-LA) (Kotsakis-OR) (Chinsky-NY) (Binau MD) (Ayers-OH) (Dittrich-FL) (Moss-CA)

BAGHDAD, SALMIYA

ISRAEL

7412 0200 Kol Yisrael: EE; YL, Nx (454 12/28 Kotsakis-OR) (Tom Smith-FL) (Stone-ONT) (Thompson-NM) (Kopriva-CA) (Levin-NJ) (Bickel-CA) (Dittrich-FL) (Hodsdon-MN)
 7465 0502 KY: EE; Nx, ID (433 11/20 Dittrich-FL)
 9009 0501 KY: EE; Nx, Wx, Press Px (444 1/4 Grenier-CA) (Earhart-PA) (Hodsdon-MN) (Hotaling-NV) (Cereghin-MD)
 9012 2240 KY: EE; "Interfaith Magazine", Is this a nf, error or test? (433 het 12/14 Munster-GA)
 9372v 2200 KY: Hebrew; "Midnight Nx Roundup" (333 12/25 Levin-NJ) (Chinsky-NY)
 9425 2015 KY: EE; "Calling All Listeners", DX, Nx, Mx (333 12/28 Chinsky-NY)
 9815 2230 KY: EE; Mx, Nx (343 12/17 Demmitt-PA) (Sanderson-AZ) (Maise-LA) (Grenier-CA) (Johnson-IL) (Van Beurden-Blom-NY) (Stone-ONT) (Schroeder-WI) (Thompson-NM)
 11637v 2230 KY: EE; Nx, DX Nx (454 12/15 Ketzis-KS) (Blaise-LA) (Peck-NY) (B/G SWL Club-NY) (Boehn-TX) (G. Raymond-MA) (Nesslein-MO) (Ayers-OH) (Earhard-PA) (Pettit-IA) (Bickel-CA) (Cereghia-MD)
 11654 2250 KY: Hebrew; Soccer Game, Nx // 9372 (443 12/17 Levin-NJ)
 11673 2230 KY: PP; Nx, Magazine Px (555 12/13 Levin-NJ)
 11963 *0500 KY: EE; Nx, into FF 0515)530* nf, error, test? (433 12/15 Munster-GA, Ralf notes freq. as 11963.75--sked shows 11960 *0500--ed, any info?)

JAMMU AND KASHMIR

6275 1140 Azad Kashmir-t: ? Lang; Singing Chants, perhaps New xmtr (News via Berg-MA)

NIPPON HOSO KYOKAIJAPAN

3910 1315 Far East Network: EE; OM, Mx (333 12/15 Hotaling-NV)
 9505 1703 R. Japan: EE; OM, Nx, ID, Sports, Tx (444 11/16 Forbes-TX) (Bickel-CA)
 15195 2300 RJ: ? Lang; ID, IS (354 12/15 Johnson-IL)
 15270 *2345 RJ: EE; IS, S/on, Hvy QRM (311 12/20 Blom/Van Beurden-NY) (Johnson-IL)
 17725 0146 RJ: EE; "Current Affairs (333 12/6 Ayers-OH) (Bowers-KOREA)
 17750 0005 RJ: EE; Nx, ID (555 12/21 Picarelli-CA)
 17755 0158 RJ: EE; ID, OM, YL (444 12/28 Kotsakis-OR) (Farmer-TN) (Whetzel IN) (Miller-MA)
 21640 0138 RJ: EE; Nx, Current Affairs px (444 12/22 Bickel-CA)

JORDAN

9560 1277 R. Jordan: EE; Wld Nx, YL, TC, ID, Jazz Mx (232 12/29 Lentz-PA)

KAMPUCHEA

9695 1200 VOKP: EE; YL Tx, Mx // 11938 (222 11/12 Cohen-PA)

DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA

2850 1330 Korean Central Broadcasting Station-Home Sce; KK; OM Tx, Mx, Pips, YL Nx // 11350 (343 1/1 Zilmer-NM)
 6540 1230 R. Pyongyang: JJ; Nx, Tx (534 12/22 Miller-CA)
 6576 1500 RP: RR; IS, ID, Nx, Tx // 9420 (232 1/1 Zilmer-NM) (Bickel-CA)
 6600 0635 RP-t: KK; 'Opera', OM Tx (222 11/29 McSkimming-CA)
 9420 1428 RP: SS; OM, ID, Time, Freq (434 12/29 Kotsakis-OR) (Tom Smith-FL) (Hodsdon-Mn)
 9977 2315 RP: EE; Nx, Mx, Id, Tx (333 12/26 Tom Smith-FL) (Hodsdon-MN) (Ayers-OH) (Blaize-LA) (G. Raymond-MA) (Cuppy-IN)
 11350 2230 KCBS-Home Sce; KK; Folk Mx, ID, OM, Tx (352 12/12 Peck-NY) (Cereghin-MD)

REPUBLIC OF KOREA

6165 1428 R. Korea: Indo/CC; OM, Mx, YL (435 12/26 P. Thompson-CA)
 9720 1605 RK: EE; Nx, Magazine (422 12/7 Grenier-CA0 (Thompson-CA) (Johnson-IL)
 11810 0807 RK: EE; Nx on Korea (433 12/21 Hesch-NY) (G. Raymond-MA)
 15570 0110 RK: EE; Cmty on Reagan (232 12/20 Bickel-CA)
 15575 0300 RK: EE; Press Px, Mx, ID, Freq. Skeds 0330* (333 12/22 Kopriva-CA) (Hesch-NY) (Hodsdon-MN) (Zilmer-NM) (T. Smith-FL)

KUWAIT

9840 1940 R. Kuwait: AA; OM, Mx, YL (444 12/6 Stone-ONT) (Lentz-PA)
 11650 2040 RK: EE; Pop Mx, Px (444 1/1 Chinsky-NY) (Whetzel-IN) (Ray-PA) (Findlater-CA) (B. Miller-CA) (Hodsdon-MN)
 11665 1830 RK: EE; Nx (444 12/30 Van Beurden/Blom-NY) (Whetzel-IN) (Burke-MA)
 15345 2016 RK: EE; Tx on Tradition (343 11/21 O'Brien-AUSTRALIA)
 21685 1400 RK: AA; Chants, Mx (433 11/23 Davenport-TN)

LEBANON

6550 0515 Voice of Lebanon: AA; Tx, Ads, Mx (333 1/1 Sams-AR) (Burke-MA)
 15170 0212 R. Bebanon: FF; OM Tx, EE pop Mx (454 12/28 Kotsakis-OR)

MALAYSIAPeninsula

6025 1520 RTM-Kuala Lumpur: Bahasa/Malay: Variety Mx, pips, ID (322 12/14 Hotaling-NV)

Sarawak

4895 1210 RTMS-Kuching/Green Network: Malay; YL Nx?, Pop Mx, (544 12/16 B. Miller-CA)
 4950 1405 RTMS-Kuching/Red Network: EE; Wld Nx, OM/YL, Pop Mx (534 12/16 B. Miller-CA) CA)
 5030 1335 RTMS-Juching/Blue Network: Malay; Tx, Mx (535 12/12 B. Miller-

MALDIVES

4754 0049 Voice of the Maldives-t: ? Lang; Chants, YL, Mx (wk 12 Howard-CA)

Radio Maldives
 MALE, REPUBLIC OF MALDIVES

MONGOLIA

11825 *1220 R. Ulan Bator: EE; Test tones, IS, ID Mx, YL Tx (222 12/12 Peck-NY)

NEPAL

9588v 1415 R. Nepal: Nepali; Nx, ID (333 12/27 Sams-AR) (Lobdell-MA)

OMAN


11955 0400 BBC/relay: EE; Wld Nx (222 12/7 Creamer-CO)

His Majesty's Government
 Department of Broadcasting
 RADIO NEPAL

PAKISTAN

5095nf 1345 R. Pakistan-Islamabad: EE; Mx, Tx, Nx (333 1/6 Sams-AR)
 9460 1700 RP: EE; Nx, Sports (333 12/27 Sams-AR)
 17665v 1100 RP: Nx, Mx 1115* (555 12/22 Creamer-CO) (Park-HI)
 17835 0245* RP: EE; YL, ID // 21590, 21745 (232 11/25 Blaize-LA) (Creamer-CO)
 21590 0235 RP: EE; OM Nx, Cmty (222 12/28 Katsakis-OR) (Forbes-TX)
 21755 1601 RP: EE; Nx, Slo-speed EE (232 12/30 Zilmer-NM) (Van Beurden/Blom-NY)

PHILIPPINES

6110 1400 VOA/Relay: ?Lang; Jazz Mx (343 12/27 Zilmer-NM) CA)
 9479 0845 R. Filipinas; EE; 'Let's speak Filipino', YL (322 12/11 Miller
 9535 1545 R. Veritas Asia; AA?; Tx, Mx (222 11/28 O'Riordan-ID)
 9580 1010 RF; EE; YL wld Nx, OM ID, Mx (322 12/19 Hotaling-NV)
 9605 *1430 RVA; EE; ID, Freq. DX Px, Mx, Nx (333 12/8 Ray-PA) 
 9615 1205 RVA; Burmese; YL, Mx (433 1/1 B. Miller-CA)
 11775 1135 RVA; EE; 'Explore the Philippines' (212 12/2 O'Brien-AUSTRALIA) (B. Miller-CA)
 11835 1231 RVA; JJ; YL Tx, Mx (534 12/9 B. Miller-CA)
 15135 0035 RVA; EE; Mx, items (443 12/31 B. Miller-CA)
 15450 2300 Far East Broadcasting Corp/R. International; EE; 'Christian Brotherhood Hour', Nx (333 12/27 Zilmer-NM)
 17705 0001 RVA; Thai?; OM ID, Christmas Mx, Tx, Pop Mx (433 12/22 P. Thompson-CA) (Sams-AR)
 17810 0024 FEBE; EE; 'Voice of Salvation' (344 12/21 Bickel-CA)
 21670 0355 AFRTS/Relay; EE; Football game (222 12/9 Creamer-CO)
 26000 2201 VOA/Relay; EE; Nx in Spec. EE, 'Concert Hall' (444 12/21 Bickel-CA)

SAUDI ARABIA

11855v *1800 BSKSA; EE; s/on, Time, Quran, Mx (Poor 12/26 Shepherd-IL) (Huddleston-TX)
 11870 0500 BSKSA/Riyadh-Home Sce; AA; Mx, ID (222 1/1 Sams-AR)
 15060 0832 BSKSA/Riyadh-Home Sce; AA; Mx, Tx, Anthem, ID (243 12/21 Moss CA) (Blom/Van Beurden-NY) (B. Miller-CA) (Bickel-CA)
 15380 0300 BSKSA/Jeddah; AA-t; Nx, ID, OM (322 12/27 Stone-ONT)

SINGAPORE

3915 1548 BBC/Relay; EE; Horse racing, Nx (534 12/27 B. Miller-CA)
 5052 1505 R. Singapore; EE; religious Px (333 12/29 Bickel-CA)
 6000 1500 RS; CC; OM Tx, Mx // 9635 (333 12/28 Zilmer-NM)
 7180 1630 BBC/Relay; Hindi; OM, Mx (544 1/2 B. Miller-CA)
 9570 0000 BBC/Relay; EE; Nx (322 12/30 Zilmer-NM)
 9740 1530 BBC/Relay; EE; Christmas Mx (353 12/26 Kopriva-CA)
 11865 2330 BBC/Relay; EE; EE by Radio (333 1/1 Zilmer-NM)
 11940 1620 RS; EE; YL Nx, Wx, Freq. 1633* (432 11/16 Forbes-TX)
 11955 1650 BBC/Relay; EE; OM, Nx, ID (323 11/27 Binau-MD)
 15280 1030 BBC/Relay; EE; 'Goon Show', Wld Nx (444 12/28 Park-HI)
 15360 0419 BBC/Relay; EE; 'News Desk', Nl, ID, Mx (242 12/6 Kopriva-CA)
 17880 0955 BBC/Relay; EE; EE lesson, play 1100-CC (433 12/29 Bowers-KOREA)

SRI LANKA

15425 0035 SLBC; EE; Pop Mx, Tx, ID, 'Mailbag' (444 12/16 RAY-PA) (Hodsdon-MN) (O'Riordan-ID)

TAIWAN

3230 1430 Central Broadcasting System/D31; CC; OM Nx (333 12/29 Bickel-CA)
 15270 2235 Voice of Free China; EE; Pop Mx, YL, Time, Freq. (454 12/29 Kotsakis-OR) (Ray-PA) (Tom Smith-FL) (Futch-CA) (Van Beurden/Blom-NY) (Peck-NY) (Whetzel-IN) (Kopriva-CA)
 15345 0325 VOFC; EE; ID, Address, Tx (344 12/21 Bickel-CA)
 17890 2220 VOFC; EE; CC Lesson, ID (434 11/22 O'Brien-AUSTRALIA)

THAILAND

9655 1020 R. Thailand; EE; YL Singing, ID (322 12/19 Hotaling-NV)

TURKEY

7215 2250 Voice of Turkey; EE; YL/OM Tx on Turkey, Mx (222 12/28 Cereghin-MD) (Binau-MD)
 9515 2200 VOT; EE; ID, Nx (322 11/30 Blaize-LA)
 9715 2233 VOT; EE; Tx on Turkish History, Mx (444 12/12 Tom Smith-FL)
 9725 2015 VOT; EE; Nx, Turk Press Px (333 12/30 Futch-GA) (Burke-MA) (Whetzel-IN) (Tom Smith-FL) (Ayers-OH) (Farmer-TN) (Brown-NJ)
 11895 1605 VOT; Turk; OM Nx, Gong (333 1/6 Sams-AR)

UNION OF SOVIET SOCIALIST REPUBLICSArmenian SSR

4990 0400 R. Yerevan; ?Lang; OM/YL Cmty, ID (Gd 12/26 Parks-FL)
 9795 2130 RY; Armenian; Px // 12030 (444 12/14 Legge-VA)
 17870 *0330 RY; Armenian/EE; IS, ID, Tx OM/YL (443 12/9 Peck-NY)

Azerbaijan SSR

4785 2120 R. Baku; Azeri; Mx, ID, Tx (333 12/7 Peck/Bianco-NY)

Georgian SSR

5040 0402 R. Tbilisi: RR/Georgian; Tx, YL/OM, Mx, ID (332 12/9 Peck-NY)

Kirghiz SSR

11820 1200 R. Moscow/Frunze: EE; WS Nx (333 12/13 Legge-VA)

RSFSR-Far East

5015 1535 Vladivostok: RR; YL Tx, ID (333 12/21 Bickel-CA) (Alexander PA)

5940 1120 Magadan: RR; Mx, OM/YL Tx, IS (333 12/20 Alexander-PA) (Bickel-CA)

7290 1420 Vladivostok: EE; OM/YL Tx on Poland, Nx (433 12/15 Hotaling-NV) CA)

7370 1320 RM/Petropavlovsk: EE; Tx, Science Nx, Nx (534 12/26 B.Miller)

9655 0610 RM/Komsomolsk: EE; OM Nx (444 12/30 Kotsakis-OR)

9795 0600 RM/Petropavlovsk: EE; OM Nx (444 1/9 Smith-CA)

RSFSR-Siberia

15385 0100 RM/Chita: EE; WS Nx, Sked 0100-0800 (333 12/13 Legge-VA)

17880 0200 RM/Irkutsk: EE; WS Nx, Sked 0200-0900 (333 12/13 Legge-VA)

Uzbek SSR

11835 1500 RM/Tashkent: EE; Nx to S/SEA // 11820 (233 12/13 Legge-VA)

UNITED ARAB EMIRATES17775 0545 RCTV-Dubai: AA; Mx, Tx ID YL (454 1/1 Lentz-PA) *Jashkent*

21700 0745 RCTV-Dubai: AA; Mx, ID YL (444 12/31 B. Raymond-MA) (Binau-MD)

VIETNAM

4680 1257 Binh Tri Thien: Viet?; SEA Mx, YL Tx (222 12/30 Sams-AR)

6450 1500 Hanoi I: Viet; YL Tx, Mx // 10060 (333 1/2 Zilmer-NM)

9990nf 1600 Voice of Vietnam: CC; // 10010 (333 12/20 Sams-AR)

10010 1155 VOV: ?Lang; Group Sing; YL Tx (222 12/20 Creamer-CO) (Bickel-CA)

10040 1605 VOV: EE; 'Our Country' Px, Mx, Cmty (333 12/15 Kopriva-CA) (Hodsdon-MN) (Creamer-CO)

10080 1330 VOV: EE; Nx, OM/YL (333 12/26 Ketzis-KA)

11840 1530 VOV: EE; IS, ID, Freq. Time, Sked, NX // 10040 (222 12/20 Zilmer-NM)

12030 1330 VOV: EE; Nx Cmty, info, Mx // 10080 (232 12/21 Zilmer-NM)

YEMEN ARAB REPUBLIC

4853 0345 R. San'a: AA; AA Mx, ID (322 12/15 STONE-ONT) (Dittrich-FL)

9780 1956 RS: AA; AA Mx, ID, March Mx, Nx (444 12/28 Lentz-PA) (Peck-NY) (Moss-CA)

OCEANIAAUSTRALIA

4920 0850 ABC/Brisbane-VLM 4: EE; Tx, Aust. Nx, Mx (544 12/19 B.Miller CA) (Blaise-LA)

6035 2159 R. Australia/Carnarvon: EE; ID, Nx (222 11/27 Cohen-PA)

6045 0910 RA/Lyndhurst: EE/FF; 'Calling Antarctica' (333 11/21 Park-HI)

6060v 1333 RA/Shepparton: EE; 'Australia Tonight' (333 12/25 Cereghin-MD) (Kotsakis-OR)

7260 0858 RA/? : EE; Freq ann., broadcast to Indonesia (333 1/9 Futch-GA) (last month we listed this in the unknown listing, John says this is RA, but can find little info on this, anyone have any info on this--ed)

9505 1945 RA/S: EE; Pop Mx (343 12/26 Fraser-MA) (Stone-ONT) (Maise-LA)

9570 0900* RA/S: EE; Freq. Sked, Off (333 12/27 Alexander-PA)

9610 1400 ABC/Perth-VLW 9: EE; Aust. Nx (433 1/1 Picarelli-CA) (G. Raymond-MA) (Farmer-TN) (Fraser-MA) (Huddleston-TX) (Cereghin-MD)

9760 0801 RA/S: ?Lang; YL, Px notes (534 12/11 B. Miller-CA)

9770 1706 RA/S: EE; Wld/Aust. Nx, Cmty (232 12/25 Cereghin-MD) (Johnson-IL)

11725 1826 RA/S: EE; DJ, Mx, 'Letters', Wld Nx (443 11/21 Park-HI)

15160 0605 RA/L: EE; Nx, ID Mx // 15115, 17795, 17725 (333 12/20 Alexander-PA)

15205 2330 RA/C: Thia; IS, Thai Px (433 12/30 Pettit-IA)

15320 0400 RA/S: EE; OM Wld Nx, YL Aust Nx, ID (434 11/30 McSkimming-CA) (Kopriva-CA)

15425 0111 ABC/Perth-VLW 15: EE; Pop Mx, OM, ID (333 12/31 Farmer-TN)

17795 1145 RA/S: EE; 'Australia Tonight', Wld Nx (433 12/31 Bowers-KOREA) (Earhart-PA) (Barrett-CA)

21650 2305 RA/S: EE; Wld Nx (333 12/27 Sanderson-AZ) (Lindley-AL)

GUAM
9510 1445 KTWR: EE; ID, Px (322 11/28 Park-HI) (Van Beurden/Blom-NY)
17770 0100 KTWR: Religious Tx, Mx (222 12/31 G. Raymond-MA) (Park-HI)
(Van Beurden/Blom-NY) (Hodsdon-MN) (Sams-AR)

NEW CALEDONIA (MA)
7170 0815 R. Noumea/FR 3: FF; Rock/Roll-Disco Mx (444 12/31 B.Raymond-

NEW ZEALAND
11945 0910 R. New Zealand: EE; 'Sports', ID, Mx (222 12/27 Picarelli-CA)
(Alexander-PA)

15480nf? 0500 RNZ: EE; Nx, ID, Wx (222 12/27 Picarelli-CA) (Is this a nf
or has RNZ drifted from 15485? Does anyone have any info
on this?--ed)

15485 0645 RNZ: EE; Rel. Px (444 12/22 Huffaker-MEXICO) (Farmer-TN)

PAPUA-NEW GUINEA

PAPUA NEW GUINEA

4890 0840 NBC/Port Moresby: EE; OM, Pop Mx, Ads, Mx (333 12/30 Johnson-
IL) (B. Miller-CA) (Alexander-PA) (Farmer-TN)

5985 0618 R. East New Britain: EE; Pop Mx, ID, Ads, TC, Wx, Freq.
0645* (222 12/16 Hall-CA)

SOCIETY ISLANDS

11825 0502 R. Tahiti: Tahitian; OM, Island Mx (444 1/1 P. Thompson-CA)
(Alexander-PA)

15170 0241 RT: FF; OM, Mx, ID, YL (444 1/1 Bickel-CA) (B/G SWL Club-NY)
(Kopriva-CA) (Dittrick-FL) (B. Miller-CA) (Earhart-PA)
(Peck/Bianco-NY)

SOLOMON ISLANDS

5020 1115 SIBC: EE; OM DJ, Mx, Anthem (232 1/2 Johnson-IL)

VANUATU

7260 1240 R. Vanuatu: EE/Pidgin; Question/Answer Px, ID, Pips, Disco
Mx (222 11/29 O'Riordan-ID)

+ + + + +
BBCMS copyrighted DATELINE BBCMS copyrighted

CHINA: Hulun Buir People's Broadcasting Station in Heilongjiang Province
is heard broadcasting in CC on 4750 from 2120-2400, 0355-0555, 0925-
1500. 普通话

ISRAEL: Israel Defence Forces Radio heard at various time on 18128, 6420,
and 5893 broadcasting in the SSB Mode.

LEBANON: R. Lebanon is currently heard broadcasting to North America on
11820 as follows: 0130-0200 (FF-Canada/Caribbean), 0200-0230 (AA-
NA), 0230-0300 (EE-NA), 0300-0330 (SS-Central/NA). EE is also
heard from RL in its Broadcast to Africa on 11980 from 1830-1900.

REPUBLIC OF KOREA: R. Korea's current EE Sked reads as follows: 0230-0330
on 15570, 11810 (Gen Sce/Latin A), 0800-0900 on 15570, 11810, 9870
(Eur/Amer), 1000-1100 on 15570, 11725, 9870, 9570 (S/SEA, S.AM, ME,
all AFR), 1230-1330 on 11800, 7550 (SEA), 1600-1700 on 11830, 9870,
9720, 7550 (The Amer, ME, N Afr.), 1900-2000 on 6480 (Eur),
2120-2230 on 15570, 15375 (Gen. Sce/Eur)

TURKEY: Voice of Turkey has changed its sked, new EE Sked is as follows:
1200-1300 on 9560 (SEA/NA), 1330-1430 on 15125 (SWestAs),
2030-2130 on 11885, 9725 (Eur/NA), 2200-2257 on 11890, 9725, 7215
(Eur/NA/SEA)

UNION OF SOVIET SOCIALIST REPUBLICS

Azerbaijan: R. Baku broadcast sked: 1300-1630 on 6135, 6110 (various LL)
1630-1700 on 6135, 6110, 6085, 1314 (in AA), 1700-2105 on 6135
6110 (various LL)

Uzbek SSR: Radio Tashkent's EE Sked is: 1200-1230 on 11785, 9600, 9540
6025, 5945, 1400-1430 on 11785, 9600, 9540, 6025, 5945

Georgia SSR: R. Tbilisi broadcast in Georgian on Tu/Su to Eur and ME
from 1900-2100 on 5930--unconfirmed by BBCMS.

Armenian SSR: R. Yerevan's EE Sked is: 0355-0400 on 17870, 15295, 15255
15240, 15185, 15100, 9750, 7150.

DON'T FORGET--I have a new address in beautiful Yukon, OK--PLEASE SEND
LETTERS to the Yukon address. Thks to all for this month--cu: TOM

WORLD SERVICE STATION SKEDS

EMISSIONS

PROGRAMMI

Editor:

TRASMISSIONI

BULLETIN DE PROGRAMMES

CHRIS LOBDELL

PROGRAMS

ENGLISH SERVICE

P.O. Box 146

Stoneham, MA 02180

SERVIZIO

PROGRAMME SCHEDULE

Deadline: 12th

COMUNICATI NEL CORSO

Well, here we are again for another month. Hope all of you are keeping warm. The winter here in New England has been the coldest in about 100 years. Remember, all schedules, unless otherwise indicated, are for English transmissions and all times are in Greenwich Mean Time (GMT). Also, schedules credited to the BBC Monitoring Service's World Broadcast Information division are courtesy of the "BBCMS" and are used by permission. We are in the "D80" broadcasting period which will remain in effect until the first Sunday in March.

BELGIUM. The BRT in Brussels sends us this updated schedule, effective until April 4, 1981.

| | | |
|------------|-------|---------------|
| 1335-1350a | 21490 | Far East |
| | 21525 | North America |
| 1705-1750 | 6010 | Europe |
| | 21525 | Africa |
| 0015-0100 | 11980 | North America |
| | 15175 | South America |

a=Monday through Friday only.
(T. Klasek)

BULGARIA. Radio Sofia, has this updated schedule which will take effect on March 1st, 1981.

| | | |
|-----------|--------------|------------|
| 1930-2000 | 9700, 11720 | Britain |
| 2130-2200 | 11860, 11920 | " |
| 0000-0100 | 15330 | N. America |
| 0430-0500 | 11860 | N. America |

(T. Smith)

CHINA(Taiwan): Voice Of Free China. Schedule is valid until February 28, 1981.

| | | |
|-----------|-------|------------------|
| 0100-0200 | 11825 | North America |
| | 15345 | " |
| | 17890 | Australia/N.Z. |
| 0300-0350 | 11825 | North America |
| | 15270 | " |
| | 15345 | " |
| | 17890 | Australia/N.Z. |
| 2130-2230 | 9610 | Africa, ME, Eur. |
| | 9765 | " " " |
| | 11860 | " " " |
| | 15225 | " " " |
| | 17720 | " " " |
| 2140-2240 | 9685 | North America |
| | 11825 | " |
| | 15270 | " |
| | 17890 | Australia/N.Z. |

(D. Nelson)

EGYPT. Radio Cairo, undated sked recently received.

| | | |
|-----------|-------------|------------|
| 0200-0330 | 9475, 12050 | N. America |
|-----------|-------------|------------|

(L. Dekeyser)

FRANCE. Radio France International with its English program beamed to Africa. "Paris Calling Africa".
Time of Broadcast: 1700-1800 GMT

This sked is valid until February 28, 1981.

| | | |
|-------|---|---------------------------------------|
| 11705 | - | North Africa |
| 15200 | - | " |
| 15360 | - | North, West Africa |
| 15425 | - | North Africa |
| 17720 | - | West Africa |
| 17795 | - | East Africa, Indian Ocean |
| 17850 | - | Central & South Africa & Indian Ocean |
| 17860 | - | East Africa, Indian Ocean |
| 21515 | - | West Africa |
| 21580 | - | Central, South Africa |
| 21620 | - | East Africa, Indian Ocean |

FRENCH TO NORTH AMERICA

1200-1715 17775, 21595, 21645
(L. Dekeyser, J. Futch, B. Petchesky, T. Smith)

FINLAND. Radio Finland with the D80 sked.

| | | |
|------------|-------|-------------------------------------|
| 0330-0400 | 6120 | North Europe |
| | 9645 | North America |
| | 11735 | " |
| 0800-0925* | 15265 | Europe |
| | 21465 | Far East, Australasia |
| 0930-1000 | 6120 | North Europe |
| | 11755 | Europe |
| | 15265 | Europe, S. America |
| | 21465 | Far East, Australasia |
| 1300-1330 | 15265 | Europe |
| | 15400 | North America |
| 1330-1425* | 15265 | Europe |
| | 15400 | North America |
| 1430-1500 | 15400 | " |
| | 21475 | " |
| | | Middle East |
| 1930-2000 | 9655 | Europe |
| | 11835 | Europe, Africa |
| 2130-2200 | 6120 | North Europe |
| | 9655 | South America, West Africa, Europe. |
| | 11755 | South America, West Africa |

(Ye Ed) * = Sunday Only.

GERMANY (Democratic Republic): Radio Berlin International, current D80 sked.

| | | |
|-----------|-------|----------------|
| 0100-0145 | 9730 | North America |
| | 11970 | " |
| 0230-0315 | 9730 | " |
| | 11970 | " |
| 0330-0415 | 11840 | " |
| | 11890 | " |
| | 11970 | " |
| 0445-0530 | 9500 | Africa |
| | 11960 | " |
| 0645-0730 | 15100 | Southeast Asia |
| | 17700 | " |
| | 21465 | " |
| 1200-1245 | 15115 | South Asia |
| | 17700 | " |
| | 21465 | " |
| | 21540 | " |
| 1315-1400 | 17755 | Central Africa |
| 1400-1445 | 17700 | Southeast Asia |
| | 21465 | " |
| | 21540 | " |
| 1415-1500 | 9730 | East Africa |
| | 11700 | " |
| | 15240 | " |
| 1500-1545 | 21465 | Southeast Asia |
| | 21540 | " |
| 1615-1700 | 7185 | Europe |
| | 9730 | " |
| | 11975 | East Africa |
| 1745-1830 | 6080 | Europe |
| | 6115 | " |
| | 7185 | " |
| 1800-1845 | 15145 | Africa |
| | 15170 | " |
| | 21500 | " |
| 1915-2000 | 6080 | Europe |
| | 6115 | " |
| | 7185 | " |
| 2000-2045 | 9665 | Central Africa |
| | 15390 | " |
| | 17730 | " |
| 2030-2115 | 7260 | Europe |
| 2130-2215 | 6080 | " |
| | 6115 | " |

(BBCMS, J. Demmitt)

HOLLAND. Radio Nederland, to North America, D80 schedule.

| | | | |
|-----------|------|------|-------------|
| 0230-0325 | 6165 | ECNA | via Bonaire |
| | 9590 | " | " |
| 0530-0625 | 6165 | WCNA | via Bonaire |
| | 9715 | " | " |

(B. Cuppy, J. Demmitt, W. Dittrich)

HUNGARY. Radio Budapest, current D80 schedule, to North America.

| | |
|------------|---|
| 0200-0230* | 6000, 9585, 9835, 11910, 15220, 17710 |
| 0300-0330 | 6000, 9585, 9835, 11910, 15220, 17710 |
| 0400-0415 | 6000, 9585, 9835, 11910, 15220, 17710 - DX program on Wed. & Saturday only. |

* = except Monday.

(L. Dekeyser, J. Demmitt, T. Klasek, T. Lindley)

JAPAN. Radio Japan, has this corrected schedule (D80) valid until February 28, 1981.

| | | |
|-----------|-------|--------------------|
| 0130-0230 | 15235 | America, Hawaii |
| | 17725 | " |
| | 17825 | " |
| | 21640 | " |
| 0800-0830 | 17870 | Europe |
| | 21610 | " |
| 0930-1030 | 11875 | Australia/N.Z. |
| | 15235 | " |
| 1115-1145 | 9675 | Southeast Asia |
| | 11875 | " |
| 1630-1700 | 9670 | South Asia, Africa |
| | 11705 | " |
| 1830-1900 | 9725 | Europe |
| | 11780 | " |
| 2015-2045 | 9605 | ME, North Africa |
| | 11780 | " |
| 2345-0045 | 15270 | ECNA |
| | 17825 | " |

GENERAL SERVICE TO THE AMERICAS

First half English, Second half in Japanese

| | |
|-----------|-------|
| 0000-0030 | 17755 |
| 0100-0130 | " |
| 0200-0230 | " |
| 0300-0330 | " |
| 0400-0430 | " |
| 0500-0530 | 15270 |
| 0600-0630 | " |
| 0700-0730 | " |
| 0800-0830 | 9505 |
| 0900-0930 | " |
| 1000-1100 | " |
| 1100-1130 | " |
| 1200-1230 | " |
| 1300-1330 | " |
| 1400-1500 | " |
| 1500-1530 | " |
| 1600-1630 | " |
| 1700-1730 | " |
| 1800-1830 | " |
| 1900-1930 | 15270 |
| 2000-2030 | " |
| 2100-2130 | " |
| 2200-2230 | 17755 |
| 2300-0000 | 17755 |

(T. Klasek, D. Nelson, T. Smith)

LIBYA. The Socialist People's Libyan Arab Jamahiriya High Frequency Broadcasting Schedule. D80. All Arabic.

| | | |
|-----------|-------|----------------------|
| 0100-0300 | 9625 | North, Central Amer. |
| 0400-0900 | 9600 | Middle East |
| 0400-1100 | 6185 | South Africa |
| 0900-1700 | 11860 | Middle East |
| 1000-1500 | 15415 | Europe |
| 1000-1600 | 17680 | East Africa |
| 1000-1700 | 15425 | West Africa |
| 1000-1800 | 17930 | Middle East |
| 1500-2200 | 15440 | Europe |
| 1600-2200 | 15275 | East Africa |
| 1700-2200 | 9600 | Middle East |
| 1700-2200 | 15230 | West Africa |
| 1800-2200 | 15455 | Middle East |
| 2200-0300 | 11830 | North, Central Amer. |
| | 15230 | " |

(Ye Ed)

MALAYSIA. Voice Of Malayan Revolution (pro-communist clandestine.)

| | |
|-----------|--------------|
| 0930-1010 | 11830, 15790 |
| 1450-1530 | 11830, 15790 |

Believed to be broadcasting from China (BBC MS)

MEXICO. Radio Mexico (XERMX), sent this current undated schedule.
 2000-2200 15430
 2200-0330 5985, 9705, 11770, 15430, 17765
 0330-0500 same as above on Sunday only.

Transmissions are mainly in Spanish but there are English programs such as the "Mexican Hour" and "Mexico in a Minute".
 (M. Hardester)

PAKISTAN. Radio Pakistan, D80 schedule valid until March.

| | | |
|------------|-------|---------------------------|
| 0130-0230 | 17835 | Southeast Asia |
| | 21590 | " |
| 0230-0245* | 17835 | " |
| | 21590 | " |
| | 21745 | " |
| 0445-0700 | 17665 | Persian Gulf, Middle East |
| | 17910 | " |
| | 21700 | " |
| 1100-1115* | 17665 | Western Europe |
| | 21655 | " |
| 1330-1600 | 17910 | Persian Gulf |
| | 21485 | " |
| | 21755 | " |
| 1600-1615* | 17910 | Middle East |
| | 21485 | " |
| | 21755 | " |
| | 17660 | East Africa |
| | 21605 | " |
| 1645-1915 | 11672 | United Kingdom |
| | 15485 | " |

Not all broadcasts are in English.
 * = Slow (dictation) speed news in English.
 (R. Munster)

ROMANIA. Radio Bucharest, current D80 schedule.

| | | |
|-----------|-------|---------------|
| 0200-0300 | 5990 | North America |
| | 9570 | " |
| | 9690 | " |
| | 11840 | " |
| | 11940 | " |
| 0400-0430 | 5990 | " |
| | 9510 | " |
| | 9570 | " |
| | 9690 | " |
| | 11840 | " |
| | 11940 | " |
| 0530-0600 | 11840 | Africa |
| | 15340 | " |
| | 17790 | " |
| 0645-0715 | 11940 | Pacific |
| | 15255 | " |
| | 15335 | " |
| | 17805 | " |
| 1200-1230 | 15345 | Asia |
| | 17825 | " |
| 1300-1330 | 11940 | Europe |
| | 15250 | " |
| | 17850 | " |
| 1500-1530 | 11775 | Asia |
| | 15390 | " |
| | 17815 | " |
| 1730-1800 | 11885 | Africa |
| | 15340 | " |
| | 17720 | " |

| | | |
|-----------|-------|--------|
| 1930-2030 | 9690 | Europe |
| | 11940 | " |
| 2100-2130 | 7195 | " |
| | 9690 | " |

(BBCMS, M. Oakley)

SAUDI ARABIA. Broadcasting Service of the Kingdom of Saudi Arabia, D80 schedule.

| | | |
|-----------|-------|-------------------------|
| 1000-1100 | 11855 | (Thursday, Friday only) |
| 1100-1300 | 11855 | |
| 1800-2100 | 11855 | |

(M. Chinsky)

SOUTHWEST AFRICA (Namibia). Here is the current schedule, dated effective on October 17th, for Radio SWABC.

| | | |
|-----------|------|-----------------|
| 0300-0615 | 4965 | North-South |
| 0515-1615 | 7190 | Omnidirectional |
| 0615-1515 | 9650 | North-South |
| 1515-2200 | 4965 | North-South |
| 1615-0515 | 3270 | Omnidirectional |

Broadcasts in English, Afrikaans, Herero, Damara/Nama, German.
 (W. Dittrich, D. Park)

SWITZERLAND. Swiss Radio International valid till May 1981, to Americas.

| | |
|-----------|--------------------------|
| 0145-0215 | 6135, 9725, 11715, 15305 |
| 0430-0500 | 9725, 11715 |
| 1315-1345 | 21570 |

(M. Chinsky, T. Klasek, T. Lindley, R. Moss)

UKRAINE. Radio Kiev, current schedule effective March 1, 1981.

| | | |
|-----------|-------|---------------|
| 2000-2030 | 7260 | Europe |
| | 6020 | " |
| | 9640 | " |
| 0030-0100 | 11770 | North America |
| | 11790 | " |
| | 15100 | " |
| | 15240 | " |
| | 17870 | " |
| 0300-0330 | 9665 | " |
| | 11790 | " |
| | 15100 | " |
| | 15240 | " |
| | 17870 | " |

(R. Moss, M. Chinsky)

USA. Voice Of America's D80 English schedule, by target area:

SOUTHEAST ASIA

| | |
|-----------|--|
| 0300-0600 | 7115, 7200, 9700, 11755, 11925, 15180, 15205, 17740, 21540 |
| 1300-1500 | 7115 |
| 1300-1530 | 15405 |
| 1300-1830 | 6110, 9645, 9760, 15205 |
| 1500-1800 | 15260 |
| 1500-1830 | 7105, 9700 |
| 1530-1830 | 15395 |

AMERICAS

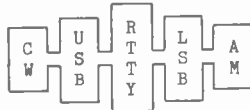
| | |
|-----------|---------------------------------------|
| 1200-1515 | 5995, 6130, 9650, 11740, 15205, 17730 |
|-----------|---------------------------------------|

AFRICA

| | |
|-----------|---|
| 0300-0500 | 3990, 6035, 6080, 6125, 7280, 9530, 11835, 11915, 15160, 15245, 15330 |
| 0600-0730 | same as above. |

VOA SKED CONTINUED NEXT MONTH!
 (J. Bowers)

UTILITY SCENE



EDITOR:

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

DEADLINE: 12th Day of Month

Hello Gang: (8) contributors mailed too late, to be included in this months column. (their material will be held for the next issue) A check of envelope postmarks indicates a 3 to 4 day transit average. To those who hold off until the last moment, either mailing direct or via Peggy our CDE, take note of this postal trend. I regret not being able to include the data from the 8, for once column typing begins, the format is frozen.....

Now onto the loggings:

**** NORTH AMERICA ****

| | | | | | |
|----------|---------|-----|------|--------------------|--|
| ALASKA: | 5519 | A3H | 0900 | KIS7 \emptyset | Anchorage Aeradio - Volmet b/c (M. Jones-CA) |
| | 8903 | A3H | 0458 | KIS7 \emptyset | Anchorage Aeradio - Volmet b/c (Lentz-PA) |
| | 11176 | USB | 0230 | AKA- | Elmendorf AFB - Skyking b/c (Stone-Ontario) |
| BERMUDA: | 8448 | CW | 1315 | VRF- | Bermuda Radio - V Mkr (G. Thompson-NM) |
| CANADA: | 4235 | CW | var. | VAI- | Vancouver CG R- V/DE Mkr (M. Jones-CA) (Barrett-CA) |
| | 4255 | CW | 0830 | CFH- | CANMIL Halifax, N.S. - V/DE Mkr (Barrett-CA) |
| | 6328 | FAX | 0315 | CFH- | CANMIL Halifax- WX Maps (Blaise-IA) |
| | 6430 | CW | 0638 | CFH- | CANMIL Halifax - V Mkr (Hess-OH) |
| | 6509.5 | USB | 0330 | CGK- | CANMIL Vancouver wkg Porte De La Reine (M. Jones-CA) |
| | 6753 | USB | 0840 | CJX- | CANMIL St. Johns Nfld - Aero WX b/c (Barrett-CA) |
| | 6753 | USB | 0625 | VXA- | CANMIL Edmonton, Alb - Aero WX b/c (M. Jones-CA) |
| | 8697 | CW | var. | CFH- | CANMIL Halifax - V Mkr (M. Jones-CA) (Hess-OH) |
| | 8868 | A3H | var. | VFG- | Gander Aero - Volmet b/c (Yingling-MD) (Stone-ONT) |
| | 14670 | AM | 1421 | CHU- | NRC Time Sta Ottawa-EE/FF/OM & pips (Demmitt-PA) |
| MEXICO: | 2182 | AM | 0420 | XFS- | Tampico Radio wkg unid vessel (Stanbury-Ontario) |
| | 5535a | CW | 0604 | XFH- | Isla Maria??- V Mkr (Chabak-AZ) |
| | 12774 | CW | 0049 | XFU- | Veracruz Radio - CQ Mkr (Lentz-PA) |
| | 12829.5 | CW | 2215 | XFM- | Manzanillo Radio - CQ Mkr (Conway-ENGLAND) |
| U.S.A.: | 2182 | USB | 0714 | NMY41- | USCG Shinnecock NY wkg MAYDAY from sinking lobster vessel "Seanic? (Pokatiloff-IL) |
| | 2182 | USB | 0750 | NMK- | CG Cape May NJ-in the blind to Seanic (Pokatiloff-II) |
| | 2182 | USB | 0841 | NMC- | CS San Francisco-wkg MAYDAY from "Creo"(Pokatiloff) |
| | 3123 | USB | 1024 | NMC- | CS San Fran wkg CG 15 \emptyset 2, re:Creo Mayday (Pokatiloff) |
| | 4143.6 | USB | 0556 | KFC- | Morgan City LA wkg vessel Newport Sundance (C. Brown) |
| | 4310 | CW | 0406 | WNU- | Slidell Radio LA - CQ Mkr (M. Jones-CA) |
| | 4363.6 | USB | 0430 | WOM- | ATT Ft. Lauderdale FL- Tfc list (Shepherd-IL) |
| | 4369.8 | USB | 2350 | WAK- | New Orleans Radio- p/p for ?? (Yingling-MD) |
| | 4382 | USB | 0145 | WMI- | Lorain R. OH - marine WX b/c (Stone-Ontario) |
| | 4428.7 | USB | var. | NMC- | CS San Fran CA-NIM b/c (M. Jones-CA) (Beeman-OH) |
| | 4634.6 | USB | 1257 | Dolphin | Oil Rig 9 wkg KJK 684 (Chabak-AZ) |
| | 5015 | USB | 1301 | WUB45- | USACE-QTH ?? wkg WUB4 Baltimore MD (Chinsky-NY) |
| | 5211a | USB | 0318 | WAR42- | FEMA Mt. Weather VA wkg Hopalong (Russell-IL) |
| | 5519 | A3H | 0635 | KSF7 \emptyset - | Oakland Aeradio - Aviation WX (Valentine-CA) |
| | 5652 | A3H | 0640 | WSY7 \emptyset - | New York R. - Volmet b/c (Barrett-CA) |
| | 5692 | USB | 0003 | NMA- | CG Radio Miami wkg CG 1456 (B. Alexander-PA) |
| | 5696 | USB | 0941 | NMC- | CS San Fran wkg CG 15 \emptyset 2 (Pokatiloff-IL) |
| | 5696 | USB | 0240 | NMA- | CG Radio Miami wkg NOM CG Miami Air (Maise-LA) |
| | 5752 | SSB | 0455 | KRF(or) | KLS265- DOE Albuquerque NM wkg LOBO 3 \emptyset 1 (Stock-CO) |
| | 5861 | USB | 1240 | KEM8 \emptyset - | FAA HQ Wash DC wkg KDM5 \emptyset FAA Hampton GA (Chabak-AZ) |
| | 6209.3 | USB | 2115 | WJG- | Memphis Radio with barge tfc (Shepherd-IL) |
| | 6365.5 | CW | var. | KFS- | San Fran R. - CQ Mkr. (M. Jones-CA) (Hess-OH) |
| | 6376 | CW | 2208 | WCC- | Chatham Radio MA - V Mkr (Lentz-PA) |
| | 6411 | CW | 0825 | KLB- | ITT Seattle R. WA - CQ Mkr (Blaise-LA) |
| | 6411.4 | CW | 0710 | WOE- | Lantana Radio FL - CQ Mkr (M. Jones-CA) |
| | 6506.4 | USB | 0324 | NMC- | CS San Fran wkg NOAA Oceanographer (M. Jones-CA) |
| | 6506.4 | USB | 0914 | NMC- | CS San Fran wkg MAYDAY from Creo (Pokatiloff-IL) |
| | 6697 | CW | 0155 | NAM- | USN Norfolk VA- multicall CQ Mkr (Chinsky-NY) |
| | 6784 | LSB | 1518 | WAH- | ID/QTH ?? wkg WAH47 (Stock-CO) |
| | 6815a | LSB | 0219 | AKA- | Andrews AFB MD wkg SAM 12671 (Chinsky-NY) |
| | 6925.2 | CW | 0646 | KKN5 \emptyset - | State Dept Wash DC - QRA Mkr (M. Jones-CA) |
| | 6992 | LSB | 0129 | Broadway | Consumer 67 Foxtrot (Mapleton UT) wkg Broadway Consumer 68 Hotel (Denver CO) National Guard (Chabak) |
| | 7475 | USB | 1402 | KKU4 \emptyset - | FAA Kansas City MO wkg KDM5 \emptyset (Chabak-AZ) |
| | 8125 | USB | 1347 | KDM47- | FAA Ft. Worth TX wkg KDM5 \emptyset & KEM8 \emptyset (Chabak-AZ) |
| | 8125 | USB | 1309 | WBR7 \emptyset - | FAA Miami FL IFSS wkg KEM8 \emptyset (Chabak-AZ) |
| | 8582 | CW | 1730 | KLB- | Seattle Radio WA - CQ Mkr (M. Jones-CA) |

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|-------------------------|---------|-----|------|---|
| U.S.A.: | 8586 | CW | 0555 | WCC- Chatham Radio MA - V Mkr (M. Jones-CA) |
| | 8658 | CW | 0925 | WSL- Amagansett Radio NY - CQ Mkr (M. Jones-CA) |
| | 8666 | CW | 0405 | KLC- Galveston Radio TX - CQ Mkr (M. Jones-CA) |
| | 8722 | USB | 0700 | WOM- Ft. Lauderdale FL wkg Chalktajou? (Pokatiloff-IL) |
| | 8765.4 | USB | 0427 | NMN- CS Portsmouth VA clg USNS Lyman (Aucoin-LA) |
| | 8765.4 | USB | var. | NMN- CS Portsmouth-NTM (Maise-LA)(Yingling-MD)(Cuppy-IN) |
| | 8765.4 | USB | var. | NMC- CS San Fran-NTM (Maise-LA)(Aucoin-LA)(Valentine-CA) |
| | 8784 | USB | 0302 | KMI- San Fran Radio with Tfc list (Kotsakis-OR) |
| | 8868 | A3H | 2200 | WSY7# - New York - Volmet b/c (Yingling-MD) |
| | 8989 | USB | 0354 | AFI- McClellan AFB CA wkg Fox 600 (Kotsakis-OR) |
| | 11182 | USB | 0150 | AFG37- Scott AFB IL wkg World 109 (Maise-LA) |
| | 12135 | CW | 0209 | NAM- USN Norfolk VA - CQ Mkr (M. Jones-CA) |
| | 12705 | CW | 0033 | WLO- Mobile Radio AL - DE Mkr (Lentz-PA) |
| | 12952.9 | CW | 2212 | WMH- Baltimore Radio MD - V Mkr (Conway-ENGLAND) |
| | 12993 | CW | 0145 | KOK- Los Angeles Radio CA - CQ Mkr (Lentz-PA) |
| | 15823.5 | CW | 2134 | WFL35- AP New York - QRA Mkr (Conway-ENGLAND) |
| | 16590 | USB | 1840 | KHU- San Diego Radio CA-ship t/c (Valentine-CA) |
| | 17263.9 | USB | 2330 | WOO- Ocean Gate Radio NY-marine WX (Yingling-MD) |
| **** CARIBBEAN **** | | | | |
| BARBADOS: | 8765.4 | USB | 2300 | 8PO- Barbados Radio - WX b/c (Yingling-MD) |
| CUBA: | 6435 | CW | var. | CLQ- Havana Radio - CQ Mkr (M. Jones-CA)(Hess-OH) |
| | 10977a | CW | 0101 | CLS-Navy Havana - CQ/QSX Mkr (Chinsky-NY) |
| | 11278a | CW | 0150 | CMU967-Soviet Navy-Santiago- clg UMGY (Chinsky-NY) |
| | 12954a | CW | 1037 | CLS- Cuban Navy Havana - CQ Mkr (Conway-ENGLAND) |
| | 22396 | CW | 1852 | CLA- Havana Radio - CQ Mkr (M. Jones-CA) |
| | 25495 | CW | 1513 | CLQ- Cuban Navy Havana - CQ/QSX Mkr (Chinsky-NY) |
| JAMAICA: | 3535 | CW | 0055 | 6YI- Kingston R. (Harmonic?) CQ/Tfc list (G. Brown-IL) |
| MARTINIQUE: | 8478.4 | CW | 0602 | FUF- Fr. Naval R.-Ft.de France - V Mkr (M. Jones-CA) |
| | 8675.2 | CW | 0948 | FFP3- Fort de France Radio - V Mkr (M. Jones-CA) |
| | 16961 | CW | 1720 | FUF- Fr. Naval R.-Ft.de France - V Mkr (G. Thompson-NM) |
| NET. ANTILLES: | 8539 | CW | 1310 | PJK34- Dutch Navy-Suffisant- V Mkr (G. Thompson-NM) |
| PANAMA: | 8959 | A3H | 0159 | Panama Aeradio clg San Andres Aero,Colombia(Fitzgerald) |
| | 8993 | USB | 0349 | AHF4- Albrook AFB wkg a/c # 264 (Fitzgerald-RI) |
| **** SOUTH AMERICA **** | | | | |
| ARGENTINA: | 8759.1 | USB | 0410 | LPL- Gen. Pacheco R. OM/YL/EE/SS/VM (M. Jones-CA) |
| | 17160.8 | CW | 0047 | LSA6- Boca R. Buenos Aries- V Mkr (R. Alexander-IA) |
| | 17237 | USB | 2258 | Gen. Pacheco R. Buenos Aries-OM/YL/SS/EE/VM(B.Miller-CA) |
| BRAZIL: | 8459 | CW | 0230 | PPJ- Juncao Radio - V Mkr (G. Thompson-NM) |
| CHILE: | 20875 | LSB | 2145 | QX8AFI-Inter American Observatory-Cerro Tololo wkg KFK92 Kitt Peak AZ (Russow-W. BERLIN) |
| COLOMBIA: | 6386.5 | CW | 0617 | HKC- Buenaventura Radio - QSX call (Hess-OH) |
| ECUADOR: | 17045.6 | CW | 2233 | HKB- Barranquilla Radio - CQ Mkr (Conway-ENGLAND) |
| | 3810 | AM | 0613 | HD2I#A-Guayaquil Time sta- pips (Cuppy-IN) |
| **** EUROPE **** | | | | |
| BELGIUM: | 8652 | CW | 0738 | OST42- Oostende Radio - V Mkr (Hess-OH) |
| CYPRUS: | 10255 | CW | 0655 | KWS78-US Embassy Nicosia- QRA/QSX Mkr (C. Brown-IL) |
| DENMARK: | 6446.8 | CW | ---- | OXZ3- Lyngby Radio - CQ Mkr (Blaise-LA) |
| | 8598 | CW | 0733 | OXZ4- Lyngby Radio - V Mkr (Hess-OH) |
| | 17068 | CW | 1424 | OXZ8- Lyngby Radio - CQ Mkr (Lentz-PA) |
| ENGLAND: | 4722 | USB | 0213 | MVU- RAF West Drayton - Aviation WX (Russell-IL) |
| | 6435 | CW | 0731 | GYA- RN London (Whitehall)- DE Mkr (Blaise-LA) |
| | 8568.7 | CW | 2111 | GKD- Portishead Radio - CQ Mkr (Hess-OH) |
| | 8765.4 | USB | 2345 | GKU46- Portishead Radio wkg 2XRC Voyager (Yingling-MD) |
| FINLAND: | 8456 | CW | 0210 | OFJ- Helsinki Radio - QSX Mkr (G. Thompson-NM) |
| FRANCE: | 6348 | CW | 0555 | HWN- Naval Radio Paris - V Mkr (Hess-OH) |
| | 6352 | CW | var. | FUG- Navy-La Regine-V Mkr (Hess-OH)(Blaise-LA) |
| GERMANY, EAST: | 4525 | AM | 0133 | DIZ- Nauen Time sta - pips (Kasprzyk-TX) |
| | 6467.2 | CW | 0649 | Y5M- Ruegen Radio - V Mkr (Hess-OH) |
| | 8442 | CW | 0205 | Y5M- Ruegen Radio - V Mkr (G. Thompson-NM) |
| GERMANY, WEST: | 2182 | SSB | 2235 | Kiel Coastal Radio - Security All Ships (Conway-ENG) |
| | 8512 | CW | 0728 | DAL- Norddeich Radio - V Mkr (Hess-OH) |
| | 8638.5 | CW | var. | DAM- Norddeich Radio - V Mkr(M. Jones-CA)(Hess-OH) |
| | 8672.5 | CW | var. | DAF- Norddeich Radio-V Mkr (M. Jones-CA)(Hess-OH) |
| | 11233 | USB | 1516 | DHM95- Lahr Military wkg Canadian 6600 (Conway-ENG) |
| | 13971 | LSB | 2215 | CIW91- GANMIL MARS sta/QTH?? wkg t/c (Chinsky-NY) |
| | 17048 | CW | 1420 | DAF- Norddeich Radio - V Mkr (Lentz-PA) |
| GREECE: | 6344 | CW | 0312 | SVB- Athens Radio - DE Mkr (Blaise-LA) |
| | 17187.2 | CW | 0615 | SVI- Athens Radio - DE Mkr (C. Brown-IL) |
| HOLLAND: | 6404 | CW | 0623 | PCH30- Scheveningen Radio - CQ Mkr (Hess-OH) |
| | 8622 | CW | 0735 | PCH41- Scheveningen Radio - CQ Mkr (Hess-OH) |
| | 8654.4 | CW | 2142 | PCH32- Scheveningen Radio - CQ Mkr (Hess-OH) |

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| HOLLAND: | 17007 | CW | 0013 | PCH61- Sheveningen Radio - CQ Mkr (Lentz-PA) |
| IRELAND: | 5533 | A3H | 0400 | EIP- Shannon Volmet - Aero WX (Yingling-MD) |
| | 8833 | A3H | 2310 | EIP- Shannon Volmet - Aero WX (Yingling-MD) |
| ITALY: | 7815 | USB | 0516 | IRE25 - Rome - IT/EE/YL/VM (Chabak-AZ) |
| | 19592 | SSB | 0928 | IRR35- ITALCABLE Rome-IT/EE/FF/YL/VM (Conway-ENGLAND) |
| NORWAY: | 6467 | CW | 0647 | LGU/LFU- Rogaland Radio - CQ Mkr (Hess-OH) |
| | 8683.5 | CW | 2117 | LFU/LGB/LFB2- Rogaland Radio- CQ Mkr (Hess-OH) |
| | 11454 | CW | 0601 | LBA9- Navy-Stavanger - V Mkr (Blaise-LA) |
| ROMANIA: | 6473.5 | CW | 0721 | YQ13- Constanta Radio - tfc (Hess-OH) |
| SPAIN: | 6377.7 | CW | 0612 | EBA- Navy-Madrid - clg EBCO (Hess-OH) |
| | 8618 | CW | 2115 | EDZ4- Aranjuez Radio - CQ Mkr (Hess-OH) |
| U.S.S.R.: | 12205 | LSB | 1230 | RDT72- MINCOM Alma Ata-R. Moscow feeder (Chinsky-NY) |
| | 15004 | CW | 0618 | RKM- Irkutsk Time sta- ID/pips (P. Thompson-CA) |
| | 17135a | CW | 0700 | UJQ- Kiev Radio - tfc msg to unid vessel (C. Brown-IL) |

**** AFRICA/MIDDLE EAST ****

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|----------------|---------|-----|------|---|
| BAHRAIN: | 17174.6 | CW | 0558 | A9M- Bahrain Radio - DE Mkr (C. Brown-IL) |
| GUINEA-BISSAU: | 23530 | USB | 1033 | SAM81-Swedish Embassy wkg SAM Stockholm (Russow-W.BERLIN) |
| GUINEA, REP.: | 15840 | SSB | 2129 | 3XF- Conakry-replay of Paris VM/Clg Paris(Conway-ENG) |
| IVORY COAST: | 6637a | AM | 2330 | Abidjan Aeradio wkg Accra Aeradio (Stanbury-Ontario) |
| | 7662 | LSB | 0056 | INTELCI- Abidjan - EE/FF/YL/VM (Lentz-PA) |
| MALI: | 12257 | USB | 0712 | TZA512- Bamako- FF/EE/YL/VM (R. Marshall-AZ) |
| REUNION IS.: | 13215.5 | CW | 2046 | FUX- French Naval Radio - V Mkr (Chabak-AZ) |
| SENEGAL: | 6383 | CW | 0614 | 6VA- Dakar Coastal Radio - CQ Mkr (Hess-OH) |
| SOUTH AFRICA: | 6326a | CW | 0319 | ZRH- Cape Naval Radio - V Mkr (Blaise-LA) |
| | 8731.3 | USB | 0336 | ZSC26-Capetown Radio- EE/YL/VM (R. Alexander-IA) |
| | 8914 | A3H | 0412 | Johannesburg Aeradio wkg Springbok 314 (Fitzgerald-RI) |
| SYRIA: | 13970 | SSB | 0454 | VXV9-U.N. CANNIL-Golan Heights-p/p to Canada(Osterman) |

**** ASIA/FAR EAST ****

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|---------------|---------|-----|------|---|
| CHINA, P.R.: | 4339 | CW | 1315 | XSQ- MINCOM Kwangchow - CQ Mkr (G. Thompson-NM) |
| | 10000 | CW | 1929 | BPM- Shanghai Time sta- ID/pips (C. Brown-IL) |
| JAPAN: | 5000 | AM | 0220 | JJY-Koganei Time sta- ID/pips (B. Miller-CA) |
| | 6491.5 | CW | 1105 | JOS- Nagasaki Radio - CQ Mkr (M. Jones-CA) |
| | 8000 | AM | 0555 | JJY- Koganei Time sta - ID/pips (Moss-CA) |
| | 8755 | USB | 0628 | JBO- Tokyo Radio- JJ/EE/YL/VM (R. Marshall-AZ) |
| | 16877.5 | CW | 0305 | JDB- Nagasaki Radio - CQ Mkr (G. Thompson-NM) |
| KOREA, SOUTH: | 17079 | CW | 2256 | HLF- Seoul Radio - CQ Mkr (P. Thompson-CA) |
| LAOS: | 20958 | USB | 0814 | SAM54-Swedish Embassy-Vietiane wkg SAM (Russow-W. BERLIN) |
| PAKISTAN: | 17380.8 | CW | 2141 | AQF2- Karachi Naval Radio - V Mkr (C. Brown-IL) |
| SINGAPORE: | 8475 | CW | 1330 | 9VG56- Singapore Radio - CQ Mkr (G. Thompson-NM) |

**** PACIFIC OCEAN ****

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|---------------|---------|-----|------|--|
| AUSTRALIA: | 4500 | AM | 2056 | VNG- Lyndhurst Time sta - pips (Beeman-OH) |
| | 7500 | AM | 1030 | VNG- Lyndhurst Time sta- ID/pips (Cuppy-IN) |
| | 8521 | CW | 1005 | VIS26- Sydney Radio - V Mkr (M. Jones-CA) |
| | 11304 | A3H | 2000 | VZSY- Sydney Aeradio clg MAC 50262 (Conway-ENGLAND) |
| | 12000 | AM | 0720 | VNG- Lyndhurst Time sta- pips (Farmer-TM) |
| | 12994 | CW | 2215 | VIP- Perth Radio - V Mkr (G. Thompson-NM) |
| | 16919 | CW | 0315 | VHP- RAN Canberra - V Mkr (M. Jones-CA) |
| | 17161.3 | CW | 0523 | VIS6- Sydney Radio - tfc (M. Jones-CA) |
| HAWAIIAN IS.: | 4525 | CB | 0437 | NMO- CS Honolulu with tfc list (M. Jones-CA) |
| | 11179 | USB | 0210 | AGA- Hickam AFB wkg C.G. 1341 (Maise-LA) |
| MARCUS IS.: | 10523.6 | USB | 1259 | NRV6- Marcus Loran wkg NRV2 Saipan Monitor (Chabak-AZ) |
| NEW ZEALAND: | 22533 | CW | 0313 | ZLB7- Awarua Radio - CQ Mkr (M. Jones-CA) |
| OKINAWA: | 10523.6 | USB | 1302 | NRT2- Geshashi Loran r/c Yokota Monitor (Chabak-AZ) |
| TAHITI: | 8625 | CW | 0410 | FUM- Fr. Naval Radio Papeete- V Mkr (G. Thompson-NM) |
| VOLCANO IS.: | 10523.6 | USB | 1358 | NRT3- Iwo Jima Loran wkg Saipan/Yokota Monitor(Chabak) |

**** ANTARCTICA ****

| | | | |
|---------|-----|------|---|
| 8997 | USB | 0602 | NZCM- Mac Center(McMurdo) wkg a/c Xray Delta 01 (Chabak-AZ) |
| 8997 | USB | 0604 | NQU- Siple Station wkg Mac Center (Chabak-AZ) |
| 9106 | SSB | 0005 | ZBH- Grytviken, So. Georgia Is.wkg ZHP45 Rothera Base (Osterman-KY) |
| 9106 | SSB | 0001 | VSD- Halley Base - p/p tfc with unid sta (Osterman-KY) |
| 13973.7 | USB | 0300 | NN0ICE- USN MARS McMurdo wkg NN0DMK with p/p tfc (Maise-LA) |
| 13973.7 | USB | 2354 | NN0KMR- USN MARS Palmer Sta wkg NN0ICE (Russow- W. BERLIN) |

**** SHIPS ****

| | | | |
|---------|-----|------|---|
| 2150 | USB | 0314 | USS HULL wkg San Diego Control One (USN harbor control) (Chabak-AZ) |
| 6506.4 | USB | 0435 | NRPJ- CGC LAUREL wkg NOJ CS Kodiak AK (Russell-IL) |
| 6506.4 | USB | 0300 | NRPY- CGC PLANTREE wkg NOJ CS Kodiak AK (Maise-LA) |
| 8244.6 | USB | 0335 | NNGP- CGC CHEROKEE wkg NMA CG Miami Radio (Maise-LA) |
| 8984 | USB | 2312 | WSRH- S.S. KAUAI wkg CG 1452-re: rescue operation (Chabak-AZ) |
| 12342.4 | USB | 0500 | NBTM- CGC POLAR STAR wkg NRV CG Radio Guam (Pogue-GUAM) |
| 13113.2 | USB | 0720 | NAAO- CGC GLACIER wkg NMO CS Honolulu (Pogue-GUAM) |
| 16466 | USB | 0130 | WYN 980 clg KMI San Francisco CA (Valentine-CA) |

**** AIRCRAFT ****

3467 A3H 1253 FLYING TIGER 73 wkg San Francisco Aeradio (Chabak-AZ)
 3467 A3H 1228 EMPRESS 60 wkg Honolulu Aeradio (Chabak-AZ)
 5610 USB 0524 Navy LIMA ROMEO 449 wkg Gander Aeradio (Levin-NJ)
 6540 A3H 0118 AIR BAHAMA 803 wkg New York Aeradio (M. Holmes-IL)
 6540 A3H 0333 CONDOR 293 wkg New York Aeradio (B. Alexander-PA)
 6540 A3H 0233 LAKER 16 wkg New York Aeradio (B. Alexander-PA)
 6705 USB 1410 (Canadian) RESCUE 127 wkg ??? re: SAR mission (Chinsky-NY)
 6738 USB 0655 AIR EVAC 30802 wkg Elmendorf AFB AK (M. Jones-GA)
 8847 A3H 0310 AVIANCA 477 wkg Paramaribo Aeradio (Levin-NJ)
 8847 A3H 0313 VARIG 811 wkg Manaus Aeradio - EE/OM (Levin-NJ)
 8882 A3H 0420 CALEDONIAN 663 wkg Dakar Aeradio (Fitzgerald-RI)
 8882 A3H 0436 LUFTHANSA 509 clg Dakar Aeradio (Fitzgerald-RI)
 8882 A3H 0432 SPRINGBOK 234 clg Lisbon Control (Aeradio) (Fitzgerald-RI)
 8882 A3H 0236 ARGENTINA 136 wkg Dakar Aeradio (Fitzgerald-RI)
 8889 A3H 0201 IBERIA 952 wkg New York Aeradio (M. Holmes-IL)
 8910 A3H 0220 JAPAN 772 wkg Iceland (Reykjavik Aeradio) (Levin-NJ)
 8910 A3H 0341 AIR FRANCE 215 wkg Lima Aeradio (Levin-NJ)
 8925a A3H 0415 TAP 205 clg Algiers Aeradio (Fitzgerald-RI)
 8945 A3H 0157 ALITALIA 567 wkg San Juan Aeradio (M. Holmes-IL)
 8945 A3H 0524 NIGERIA 850 wkg Santa Maria Aeradio (Aucoin-LA)
 8945 A3H 0215 LAKER 12 wkg New York Aeradio (Aucoin-LA)
 8945 A3H 0223 WEST INDIAN 900 wkg Santa Maria Aeradio (Aucoin-LA)
 8945 A3H 2119 ECUADORIAN 1003 wkg Santa Maria Aeradio (Levin-NJ)
 8959 A3H 2240 SABENA 488 wkg Khartoum Aeradio (Fitzgerald-RI)
 8959 A3H 0158 SABENA 491 wkg Cairo Aeradio (Fitzgerald-RI)
 8959 USB 0402 LIMA DELTA CHARLIE 234 clg New York Aeradio (Fitzgerald-RI)
 8959 A3H 0146 ALITALIA 845 wkg Cairo Aeradio (Levin-NJ)
 8959 USB 0312 (RAF) ASCOT 4608 wkg Cairo Aeradio (Levin-NJ)
 8959 A3H 0259 LUFTHANSA 540 wkg Nairobi Aeradio (Levin-NJ)
 8984 USB 2208 C.G. 1351 wkg CG Radio Miami (Fitzgerald-RI)
 8993 USB 0351 GULL 04 (WX recon) wkg MacDill AFB FL (Fitzgerald-RI)
 9014 USB 0720 MAC 60155 p/p to McGuire C.P. via Loring AFB ME (Barrett-CA)
 10017 A3H 2059 CARGOLUX 772 wkg New York Aeradio (M. Holmes-IL)
 10049 A3H 0317 VARIG 953 clg Centro Brazilia (Aeradio) PP/OM (Levin-NJ)
 10049 A3H 0421 AIR FRANCE 095 clg Dakar, wkg Recife Aeradio (Levin-NJ)
 10049 A3H 0132 VARIG 500 wkg Recife Aeradio - PP/OM (Levin-NJ)
 10049 A3H 0352 VARIG 766 wkg Recife Aeradio - PP/OM (Levin-NJ)
 10049 A3H 2217 VASP 382 wkg Belem Aeradio - PP/OM (Levin-NJ)
 10049 A3H 2213 TRANSBRASIL 504 wkg Belem Aeradio - PP/OM (Levin-NJ)
 10093 A3H 2345 TRANSAMERICA 10 wkg New York LDOC (M. Holmes-IL)
 10093 A3H 0032 SPEEDBIRD 264 wkg New York & London (Levin-NJ)
 11367 A3H 0214 CAPITOL 215 wkg New York Aeradio (M. Holmes-IL)
 13223a A3H 0324 ROYAL JORDANIAN 262 clg Hollidaise?? (Fitzgerald-RI)
 13288 A3H 1906 LAKER 11 wkg New York Aeradio (M. Holmes-IL)
 13320 A3H 1556 EASTERN 914 wkg New York Aeradio (M. Holmes-IL)
 13328 A3H 1547 AIR FRANCE 235 wkg New York Aeradio (M. Holmes-IL)
 13328 A3H 1638 CLIPPER 81 wkg New York Aeradio (B. Alexander-PA)
 13328 A3H 1644 AIR FRANCE 067 wkg New York Aeradio (B. Alexander-PA)
 13328 A3H 1902 CALEDONIAN 671 wkg San Juan Aeradio (Levin-NJ)
 13328 A3H 1810 CARIBBEAN AIRWAYS 003 wkg Santa Maria Aeradio (Levin-NJ)
 13356 A3H 1956 CALEDONIAN 245 wkg New York LDOC (M. Holmes-IL)
 13356 USB 1954 (RAF) ASCOT 5445 wkg New York Aeradio (Levin-NJ)
 15015 USB 1705 MAC 38090 wkg McGuire AFB via p/p from Scott AFB (B. Alexander-PA)
 17941 A3H 2021 AMERICAN 647 wkg New York LDOC (M. Holmes-IL)

**** TACTICAL ****

5430 USB 0457 MARLIN 18 wkg MASTER 18 (M. Jones-CA)
 5696 USB 0453 (USN a/c) ECHO 4 INDIA BRAVO wkg CG Miami re: SAR mission (Chabak-AZ)
 6206 USB 0114 NEW CAR BASE wkg ZULU 6 - SAMTO Operation (Stock-OO)
 6506 USB 0740 PAPA JULIETT - net roll call (Blaise-LA)
 6524a USB 0323 MIKE 3 HOTEL clg 6 XRAY TANGO (Blaise-LA)
 6683 USB 0236 SAM 86970 wkg Andrews AFB MD (Russell-IL)
 6721.5 USB 1156 HOTEL 9 (NAVCOMSEASTPAC) Lualualei HI with Overwork b/c (Chinsky-NY)
 6756 USB 0128 BLUE CHICK r/c with Andrews AFB MD (Chinsky-NY)
 6756 USB 2300 NAVY 1013 (VIP a/c) p/p to Command Center via Andrews AFB (Chinsky-NY)
 6815a LSB 0235 SAM 12671 Andrews AFB providing p/p to NMCC (Chinsky-NY)
 8972 USB 0324 ECHO 8 TANGO wkg 3 PAPA XRAY (Devendorf-CA)
 8973 USB 0123 NOVEMBER LAJES-coded t/c with ALFA ROMEO MIKE (heavy accent)(Chabak-AZ)
 8989 USB 1758 PAPA BRAVO 16 wkg McClellan AFB CA (Kozsakis-OR)
 8989 USB 0401 MOX 94 & RORY 09 wkg McClellan AFB CA (Fitzgerald-RI)
 8990 USB 0214 BUMPTON (RAF Strike Command) clg DELTA GOLF XRAY 23 (Chinsky-NY)
 9023 USB 0159 ARIZONA PETE (Luke AFB AZ) wkg DRAGNET ECHO (Russell-IL)

**** TACTICAL ****

9120a LSB 0149 SAM 86971 - p/p to Comm Center via Andrews AFB MD (Chinsky-NY)
 11246 USB 2247 RAT 11 (USN a/c) p/p to NAS Dallas Ops via MacDill AFB (Chinsky-NY)
 11249 USB 1704 SAM 86970 - wkg Andrews AFB MD (Chabak-AZ)
 11406.5 LSB 0135 CUTLERY r/c with BONANZA, CORN BELT, CRAB GRASS (Chinsky-NY)
 11553 USB 0327 CYCLE wkg MAC RELAY (Stock-CO)
 12222 USB 2020 CIMERON (USN vessel) wkg AVENUE with crew p/p t/c (Russell-IL)
 13110.1 USB 2125 LIMA 7 LIMA wkg 5 UNIFORM UNIFORM & 3 ALFA VICTOR (R. Alexander-IA)
 13194 USB 0109 NEW CAR BASE wkg ROLLING STONE BASE (Stock-CO)
 13201 USB 0312 LARK 76 (WX recon) p/p to Mather Monitor via McGlellan AFB (Russell-IL)
 13204 USB 1833 BOOKSHELF (EC-130 a/c) wkg NIGHT TRAIN (Russell-IL)
 13247 USB 1409 SAM 12490 (VC-140 a/c) wkg Andrews AFB MD (Chabak-AZ)
 13899 LSB 1519 ORION CONTROL wkg ORION 2 (SAMTO Operation) (Stock-CO)
 13899 LSB 1513 DICE wkg ASHLEY 12(WTR-SAMTO) (Stock-CO)
 15015 USB 1720 SLASH 13 (C-5 Galaxy) wkg DISCARD via Scott AFB p/p (B. Alexander-PA)
 15031 USB 2355 SWAN 32 (WX recon) p/p to FOSDICK via McGlellan AFB CA, (Shepherd-IL)
 15612a LSB 2354 SILVER 19 wkg RIOT CONTROL (ETR-SAMTO) (R. Alexander-IA)
 15612a LSB 2325 RIOT CONTROL wkg RIOT 1 & 2 (ETR-SAMTO) (R. Alexander-IA)
 18666 USB var. ATLAS (DEA) wkg OMAHA 44 & FLINT 10 (Stock-CO)
 23177 USB 1633 DEATHLY c/g TORREADOR (NCS San Francisco CA) (Stock-CO)
 23403 USB 1529 ATLAS (DEA) wkg 262 (probable DEA a/c) (Stock-CO)
 25130 USB 1500 CAPE RADIO (Cape Canaveral FL) wkg ARIA CONTROL (Chinsky-NY)

**** NUMBERS/BEACON ****

4027a AM -0610 SS/YL 5dgps 12Dec80 Final X 2 (Boehm-TX)
 4670 AM 0308-0312 SS/YL none - 545 repeated 15Dec80 (Stone-ONTARIO)
 5015.5 AM 0638-0644 GG/YL 5dbleggs- Achtung 06Jan81 Ende (Munster-GA)
 5770 AM 2313-2318 EE/YL 5dgps 03Dec80 End of Xmsn (Munster-GA)
 6777 AM 0618 SS/YL 5dgps 13Dec80 (M. Jones-CA)
 6780 AM 0720-0725 SS/YL 5dgps 22Dec80 Final x 2 (Pettit-IA)
 6780 AM 0803-0810 RR/OM 5dgps(reversed tape?) 28Dec80 Fonal ? (Pettit-IA)
 6824a AM 0401-0409 SS/YL 5dgps "ATT 694-60" 25Dec80 Final X 2 (Chabak-AZ)
 6833a AM -0538 SS/YL 5dgps 11Dec80 Final (R. Alexander-IA)
 6975 AM 0717-0724 SS/YL 5dgps "ATT 594-60" 22Dec80 Final X 2 (Pettit-IA)
 7405 AM 0000-0055 SS/OM 5dgps 01Jan81 (Demmitt-PA)
 7418.3 AM 0518-0520 SS/YL 5dgps 11Dec80 Final X 2 (Munster-GA)
 7530 AM 0737-0739 SS/YL 5dgps 23Dec80 Final (Pettit-IA)
 8172 AM 0205-0217 EE/YL 5dgps "ATT 700-586" 22Dec80 End of Info (Stone-ONTARIO)
 8799 LSB 2311 EE/?? 5 ltrgpps 23Dec80 (Yingling-MD)
 9042 USB 0607-0615 GG/?? 5dgps 24Dec80 Ende (Pettit-IA)
 10345 AM 0534 SS/YL 5dgps 16Dec80 (Blaize-IA)
 11545 AM 0740 GG/YL 5dbleggs 07Dec80 (Shepherd-IL)
 11620 AM? 0701-0719 GG/?? 5dgps "Flute IS" 23Dec80 Ende (Pettit-IA)
 12235 AM -0722 SS/YL 5dgps 04Jan81 Final X 2 (Shepherd-IL)

* * * * *

2840 CW 1154 "K" beacon - 4 second cycle rate (Chabak-AZ)
 3561 CW 1248 "F" beacon - 2 second cycle rate (Chabak-AZ)
 4007 CW 1347 "K" beacon - 4 second cycle rate (Chabak-AZ)
 5305 CW 1302 "K" & "F" beacons mixing together (Chabak-AZ)
 5890 CW 0655 "K" beacon - 4 second cycle rate (Barrett-CA)
 6776 CW 1008 "Q" beacon - 2 1/2 second cycle rate - off air at 1030Z (R. Alexander-IA)
 8157 CW 1320 "K" beacon - 4 second cycle rate (Chabak-AZ)
 8645.5 CW 0612 "D" beacon (C. Brown-IL) same on 10643.5 & 17015.5 Khz
 8645.8 CW 0607 "S" beacon - 2 1/2 second cycle rate (C. Brown-IL)
 8646 CW 0609 "D" beacon - same on 10644 Khz (C. Brown-IL)
 8646 CW 0640 "F" & "K" beacons with "C" beacon joining at 0645Z-different rates(Chabak)
 9043.4 CW 0630 "K" beacon (C. Brown-IL)
 9045 CW 0905 "V" beacon (K not heard) (Munster-GA)
 10211 CW 0610 "U" beacon - 5 second cycle rate (Chabak-AZ)
 10643.5 CW 0706 "D" beacon - 2 second cycle rate (C. Brown-IL)
 10644 CW 0656 "C" beacon - 3 second cycle rate (C. Brown-IL)
 10644.2 CW 0655 "J" beacon - 3 second cycle rate (C. Brown-IL)
 10646 CW ---- "S" beacon - 2 second cycle rate (C. Brown-IL)
 10646 CW 0601 "F" with faint "K" beacon in background (Chabak-AZ)
 11154.5 CW 0845 "V" beacon - 4 second cycle rate (Munster-GA)
 12151 CW 0420 "K" beacon - 5 second cycle rate (Chabak-AZ)
 13624 CW 0625 "K" beacon - 2 second cycle rate (Chabak-AZ)
 13627 CW 0626 "F" beacon - bad tape, sounded like I M- off air at 0630Z (Chabak-AZ)
 13634 CW 0210 "F" & "K" beacons mixing together (Chabak-AZ)
 13635.8 CW 0718 "D" beacon - same as 8645.5 Khz group (C. Brown-IL)
 13636.1 CW 0722 "J" beacon - same as 10644.2 Khz beacon (C. Brown-IL)
 13637.3 CW 0716 "K" beacon - 10 second cycle rate (C. Brown-IL)
 13638 CW 0710 "O" beacon - 2 second cycle rate (C. Brown-IL)
 17015.5 CW 1840 "D" beacon - same as 10643.5 Khz beacon (C. Brown-IL)

**** UNIDENTIFIED ****

6973a CW 1433 D D A N U U-in continuous slow morse repeat (Chabak-AZ)
 8460 USB 2105 FALMOUTH 09 wkg FALMOUTH 06 & 03- EE/OM- U.K.?? (Hess-OH)
 11249a CW 1205 Mkr: CQ CQ CQ DE CP95 CP95 CP95 (Chinsky-NY)
 11300 RTTY 2035 Coded 66/850 Diplo tfc-very strong in NYC (Chinsky-NY)
 12275 SSB 1945 2503 wkg 1508 with 3817 mentioned as closed down (Munster-GA)
 13142a CW 0115 Mkr: VVV VVV VVV XKS XKS XKS (Chabak-AZ)
 14490 USB 2356 NOVEMBER SIERRA 21 SIERRA wkg ALFA FOXTROT 10 KILO (Devendorf-CA)
 16112a RTTY 0200 66/425r -(RYS) RBNF DE BAY QRK QSL (R. Alexander-IA)

**** RADIOTELETYPE ****

ANTARCTICA: 15830 0310 RUZU- Molodezhnaya Base - RY test - 66/425n (Osterman-KY)
 15845 0411 VLV- Mawson Base - RYS into Metro - 66/425r (Osterman-KY)
 16104 1939 UGE2-Bellinghausen Base- WX - 66/425n (Russow-W. BERLIN)
 ARGENTINA: 18231 2200 LRB39- Buenos Aires- Saporiti NX- 66/?? (M. Jones-CA)
 BRAZIL: 18188.5 0251 ZVK7- Rio de Janeiro- RY test- 66/850 (M. Jones-CA)
 CANADA: 5022.5 1315 CHO- CANMIL-ST. Hubert PQ- coded tfc- 66/850 (Chinsky-NY)
 CHILE: 14600 2240 CAK- Santiago- RYS - 66/850r (Russow-W. BERLIN)
 CHINA P.R.: 14923 0720 BAP44- XINHUA- Beijing - EE/NX - 66/??? (Takahashi-JAPAN)
 15792 0800 BCI35- Shanghai- RYS/clg Helsingki- 66/??? (Takahashi-JAPAN)
 CUBA: 11070 0255 CLN- Havana- Prensa Latina NX RY test-66/425 (M. Jones-CA)
 16137 2150 CML47-Havana- UBARADIO tfc to Miami- 66/425 (M. Jones-CA)
 CZECHOSLOVAKIA: 21780 0707 OLU2-Prague- CETEKA NX - 66/??? (Takahashi-JAPAN)
 EASTER IS.: 6870 0930 CA17E- RYS into TFC - 66/425 (R. Alexander-IA)
 13200 2210 CA17E- Fox test - 66/425n (Russow-W. BERLIN)
 ENGLAND: 14973.1 1631 GBW34B- London- AP NX - 66/425 (M. Jones-CA)
 25050 1530 GYA- RN London - coded tfc - 66/850 (Chinsky-NY)
 ETHIOPIA: 24556 0833 4UP- Addis Ababa- UNO- clg Geneva- 100/??? (Takahashi-JAPAN)
 FALKLAND IS.: 19798 1905 ZHF88-C&W Pt. Stanley-wkg VSD Halley Base-66/??? (Russow-W. Ber)
 FRANCE: 20080 0855 FTU8- St. Assise - AFP EE/NX - 66/??? (Takahashi-JAPAN)
 GERMANY, EAST: 22419 0900 ADN - EE/NX - 66/??? (Takahashi-JAPAN)
 INDONESIA: 19824 0900 8DZ5- Jakarta- ANTARA EE/NX- 66/??? (Takahashi-JAPAN)
 ISRAEL: 9157 2247 4UN-UNO Jerusalem- tfc - 100/425n (Osterman-KY)
 ITALY: 20085 1555 ISX20- Rome- ANSA NX - 66/425 (M. Jones-CA)
 24790 0705 ISX24- Rome - ANSA EE/NX - 66/??? (Takahashi-JAPAN)
 KOREA, NORTH: 13580 0725 HMS19- Pyongyang- KCNA EE/NX - 66/??? (Takahashi-JAPAN)
 MALTA: 14573 1653 9HC67- JANA - AA/NX - 60/425r (Osterman-KY)
 MARIANA IS.: 13608 2200 NRV- USCG Guam - UPI NX - 100/170r (Russow-W. BERLIN)
 MAURITIUS: 15955 0355 3BT4- Plaisance - metro - 66/850n (Osterman-KY)
 MEXICO: 11550 2300 XBRM - Navy Salina Cruz - RYS - 66/850n (Russow-W. BERLIN)
 MONGOLIA: 17565 1133 JTF23- Ulan Bator- MFA - RYS - 66/850n (Russow-W. BERLIN)
 NEW AMSTERDAM: 11550 0002 FUJ4-Martin de Vivies-wkg HXP Reunion- 66/425r (Russow-W. BERLIN)
 NEW ZEALAND: 14850 0436 ZLZ20- Himatangi - coded metro WX - 66/850 (M. Jones-CA)
 PHILIPPINES: 15672 0757 DZM66- Las Palmas- relay AFP Paris NX - 66/??? (Takahashi-JAPAN)
 SENEGAL: 10408.2 0308 6VU- Dakar - clg QJHI RY test- 66/??? (M. Jones-CA)
 SURINAM: 12208 0140 PZP- Zanderij - RY test 66/850 (M. Jones-CA)
 SWITZERLAND: 23722 1010 4UJ53- UN Geneva - tfc - 100/??? (Takahashi-JAPAN)
 URUGUAY: 16000 0815 CKX- Currasco Aero - RYS - 66/??? (Takahashi-JAPAN)
 U.S.A.: 8582 0738 NBTM- CGC Polar Star wkg NMC - 100/170r (R. Alexander-IA)
 23716.5 1535 WFG83- New York - AFP SS/NX - 66/425 (M. Jones-CA)
 U.S.S.R.: 13086.7 0240 Vladivostok Radio - tfc to Warsaw- 66/??? (M. Jones-CA)
 22890 0725 RKB56- Moscow- TASS EE/NX - 66/??? (Takahashi-JAPAN)
 VIETNAM: 18280 0206 XVA85- Hanoi - QRA & RYS - 66/??? (Takahashi-JAPAN)
 YUGOSLAVIA: 12048 0900 YZG- Belgrade- TANJUG EE/NX - 66/425r (R. Alexander-IA)
 19605 0909 YZJ9- Belgrade- TANJUG EE/NX - 66/??? (Takahashi-JAPAN)

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

IRELAND: 1618 CW 2355 EJM- Malin Head - CQ Mkr (Conway-ENGLAND)
 U.S.A.: 210 CW 0438 OGA beacon - Ogalalla NE (Stock-CO)
 321 CW 0502 TY beacon - Pounds TX (Stock-CO)
 326 CW 0450 IA beacon - Walka TX (Stock-CO)
 338 CW 0324 BHG beacon - Brashear TX (Stock-CO)
 368 CW 0357 PTS beacon - Pittsburgh KS (Stock-CO)
 388 CW 0305 OK beacon - Okmulgee OK (Stock-CO)
 1610 AM 2310 KMB824- Chicago- motoring info (Pickard-IL)

**** QSLs ****

ARGENTINA: LPL- General Pacheco R. SS/ltr in 29d-IRCs rtnd-SS rpt-8759.2 Khz(George-TX)
 CHINA, P.R.: BPV- Shanghai Time Sta-f/d card in 16Mo-EErpt-no R/p-10.000 Khz(Walters-NJ)
 GIBRALTAR: GYU-Royal Navy-QSL in 104d for 2 IRCS- 8625.2 Khz (Hardester-CA)
 GREECE: NGR-NCS Nea Makri- f/d ltr in 220d for 1 IRC - 12,867 Khz (Conway-ENGLAND)
 HOLLAND: PBC- Goeree Naval R.-no data ltr-42d-EErpt-2 IRCS- 8,515 Khz (Walters-NJ)
 IRELAND: EIP- Shannon Volmet-PFC/folder-30d- 2 IRCS- 8,833 Khz (Maise-LA)
 IVORY COAST: TUP43-Abidjan- f/d ltr- 40d- EE/FF rpt- 100s- 4,577Khz(Maise-LA)

**** QSLs ****

JAMAICA: 6YI-Kingston R. f/d PFC- 35a- 1 IRC - 6470.5 Khz (Walters-NJ)
KOREA,SOUTH: AGA8TA- USAF MARS-Taegu- PFC-24d for MS- 6.996 Khz (Chabak-AZ)
AGA80S- USAF MARS- Osan - PFC- 17d for MS - 6.996 Khz (Chabak-AZ)
MARIANA IS.: NRV2- Saipan LORMONSTA- no data Ltr-27d- (Russow-W. Berlin)
NETH. ANTILLES: PJC- Curacao- QSL card-67d-EE rpt- MS - 8694.5 Khz (Walters-NJ)
PAKISTAN: AQP9- Karachi Naval- f/d ltr-122d- EE rpt-1 IRC- 9.060 Khz (Chinsky-NY)
PERU: OCK25- SAO Arequipa - Ham card in 42d - 20.610 Khz (Russow-W. BERLIN)
SPAIN: EBA- Madrid Naval- no data SS ltr-42d- SS rpt- 2 IRCs- 4311.25 Khz (Walters-NJ)
U.S.A.: NMF-USCG CS Boston- QSL card- 15d for MS - 6506.4 Khz (Maise-LA)

* No. Carolina CAP Red Dog Net- PFC-15d for MS - 4585 Khz (Shepherd-IL)
* AGA3HQ- USAF MARS- Scott AFB IL- AFCC Card & ltr-17a-MS - 13.995 Khz (Chinsky-NY)
* AFI- McClellan AFB CA- AFCC card in 12d for MS - 8.989 Khz (Maise-LA)
AIRCRAFT: CG 1452 (HC-130H) PFC- 8d for MS (Holbrook-MD)

* CG 1349 (HC-130B) PFC- 21d for MS - 11.246 Khz (Dupree-MD)
* MARINE 28427 - USMC VIP (VC-118B) PFC- 7d for MS - 13.215 Khz (Curnell-OR)
* SKI 31-(ANG)167th TAS-Martinsburg WV- PFC-11d for MS - 8.993 Khz (Chinsky-NY)
SHIPS: DJOT- TRANSVAAL (Container) PFC/ltr/Pic- 47d-1 IRC- 16.720 Khz (Holbrook-MD)
* OZPZ- PASADENA (Tanker) PFC in 45d for 1 IRC- 22.242 Khz (Holbrook-MD)
* OGVE- BONNY (Tanker) PFC/Pic in 51d for 1 IRC - 22.232 Khz (Holbrook-MD)
* ZEMB- BURMAH PERIDOT (Tramp Tanker) Ltr in 89d for 1 IRC - 16.720 Khz (Holbrook-MD)
* NRPJ- CGC LAUREL (WLB-291) PFC in 34d for MS - 6506.4 Khz (Pogue-GUAM)
* NRDL- CGC INGHAM (WHEC-35) PFC in 15d for MS - 6506.4 Khz (Maise-LA)
* NRDC- CGC CAMPBELL (WHEC-32) PFC in 66d for MS - 6506.4 Khz (Pogue-GUAM)
* NYCQ- CGC BOUTWELL (WHEC-719) PFC in 25d for MS - 6506.4 Khz (Maise-LA)
* NODX- CGC SWEETBRIER (WLB-405) PFC in 55d for MS - 6506.4 Khz (Pogue-GUAM)
* C6CG- CUNARD PRINCESS (Liner) PFC/Ltr in 20d for 2 IRCs- 12554.8 Khz (Maise-LA)

BEACONS: ZBB- Bimini Island- mimeo QSL/ltr-48d for 1 IRC - 396 Khz (Dupree-MD)
* YEO- Lake Eon, Quebec Canada- PFC in 22d - 227 Khz (Holbrook-MD)
* TUK- Nantucket MA- PFC in 18d - MS rtned - 194 Khz (Dupree-MD)
* HAH- Haw NC- PFC in 15d for MS - 198 Khz (Dupree-MD)
* TIG- Gulf Oil Corp. (no QTH given) PFC 13d for MS - 229 Khz (Holbrook-MD)
* GGP- Logansport Airport, IN- PFC in 21d for MS - 263 Khz (Holbrook-MD)
* LOR- Fort Rucker AL- PFC in 9d for MS - 269 Khz (Holbrook-MD)
* UYF- London, Madison Cty Airport OH- PFC in 11d for MS- 284 Khz (Holbrook-MD)
* FM- FAA Fort Myers FL - PFC in 15d for MS - 341 Khz (Holbrook-MD)
* RG- FAA Oklahoma City OK- Ltr in 54d for MS - 350 Khz (Holbrook-MD)
* EMR- Emory GA- PFC in 18d for MS - 385 Khz (Dupree-MD)
* GAI- Gaithersburg MD- Gibson Aviation Inc.-PFC-6d for MS- 385 Khz (Dupree-MD)
* DTE- Mark Anton Airport, Dayton TN- PFC in 12d for MS - 394 Khz (Holbrook-MD)
* ASJ- Tri-County Airport, Ahsoskie NC-PFC in 6d for MS- 415.51 Khz (Dupree-MD)
* Gatlingburg Infomation Radio, Gatlingburg TN- PFC 21d for MS - 530 Khz (Holbrook-MD)

QSL MAILING ADDRESSES:

* (AQP-Pakistan) Naval Radio Station-AQP, Pakistan Naval HQ, c/o
Ministry of Defense, Karachi, PAKISTAN
*(OCK25) Smithsonian Astrophysical Observatory Station-OCK25, Casilla 751, Arequipa, PERU
*(PP7A) Smithsonian Astrophysical Observatory Station-PP7A, U.S. CONGEN Recife,
APO New York, NY 09676
*(MARS) USAF MARS Station AGA8TA, Det.#1-1982 Comm Sq-Taegu, APO San Francisco CA 96213
*(MARS) USAF MARS Station AGA80S, 2146 Comm Gp-Osan, APO San Francisco CA 96570
*(Argentina) General Pacheco Radio, Lomas de Zamora 252, 1876 Don Bosco, ARGENTINA
*(Greenland) Officer in Charge, Naval Radio Station Grønndal-OVC, Grønndal 3930, GREENLAND
*(Costa Rica) Station T12USA, U.S. Office of Defense Cooperation, APO Miami FL 34020
*(Guatemala) Station TDMG3, USMILGP Guatemala, APO Miami FL 34024
*(Aircraft) MARINE 28427, c/o USMC VIP Operations, USNAF, Andrews AFB MD 20331

NOTE: DCPA (Defense Civil Preparedness Agency) was phased out, and its duties have been taken over by (FEMA) Federal Emergency Management Agency.....

NOTE: Your editor has received many letters & loggings on the single letter HF Beacons. Due to the interest, I'm assembling a Ltr/freq/data article on them, to be included in a future column. Any info/loggings you send in will be appreciated. I'M ESPECIALLY INTERESTED in what any ute (outside of No. America!) is monitoring, regarding these beacons.....

* We had 50 contributors this month, even though it was the holiday season. If I could have included the late comers, we would have had 58.. My thanks & appreciation go to one & all who contribute to this column. Its success is due to your active participation. Good show!!

73s OM/YLS

MTG

QSL REPORTS

Editor: John Kapinos, 86 S. Quinsigamond Ave., Shrewsbury, MA
01545

Deadline: 12th of the month.....

Greetings and welcome aboard to my first effort as steward of the QSL Column. Chris Lobdell and the late Bob Donly are going to be a hard act to follow, but with your help I'll try to keep the tradition going.

Some nice QSLs this month, including the reactivated ELBC in Liberia and new Nanimbia (South-West Africa).

EUROPE

- ALBANIA: Radio Tirana, 7120, full data "Revolution" card in 69 days for 2 IRCs. Card indicated "41 m.b." rather than actual frequency, which has been their habit for years. (Bill Miller-CA)
- ANDORRA: Radio Andorra, 6220, full data "couple in native dress" cards in 4 weeks for no r.p., 20 days for 2 IRCs. (Huddleston-TX, Sams, AZ)
- AUSTRIA: ORF, 9770, 12015, full data "Glass Towers" and "Lovers" cards in 36 days for no r.p. Skeds also received. (Demmit-PA, Munster)
- BELGIUM: BRT, 11980, 15385, 21460, 21525, full data cards, form letters in 18-45 days for 1 IRC, no r.p. Cards include "International Rogiers Centre", "#4 ORU3 oscillator final" and "Windmills". Only members of their DX Club receive cards. (Smith-FL, Miller-CA, Byron-NY, B-G SWL Club-NY, Pettit-IA, Thompson-NM)
- CZECHOSLOVAKIA: Radio Prague, 17840, full data "St. Barbara's Church" card in 41 days, no r.p. (Miller-CA)
- ENGLAND: Not quite SWBC, but interesting nonetheless - BBC-TV, Channel 1, 41.50 Mhz, date/frequency card in 33 days. (Aucoin-LA)
- FRANCE: Radio France Internationale, 15200, 17720, 21515, 21580, 21620. full data cards in 19-30 days for 1 IRC, no rp. Some also got pennants, skeds, bumper stickers and a note book. For a station that does not have an English Service to North America RFI is certainly generous in giving out souvenirs. (Vockeroth-NJ, Hall-CA, Ray-PA, Pettit-IA, Miller-CA, Dittrich-FL, B-G SWL Club, Demmitt-PA)
- GERMANY, F.R.: RIAS, West Berlin - 6005, date/frequency "RIAS Building" card in 69 days for 2 IRCs. (Hoffman-PA) nice go, Chas. Sudfunk, Muhlacker, 6030, full data "Building Complex" card in 5 weeks, no r.p. (Sams-AZ)
DW, 21600, no data "circles" card in 33 days, no r.p. Also received a very picturesque wall calendar. Demmitt.
- GERMANY, D.R.: R. Berlin International, 9730, 11970, 11975. Various full data cards in 34-90 days for no r.p. (Leite-MA, Smith-FL, Demmitt-PA)
- HOLLAND: R. Nederland, 9590, 17810. Full Data "The Crown Jewels" and "DX Producers" cards in 11-16 days, no r.p., 1 IRC. Skeds also received. (Shepherd-IL, Vockeroth-NJ)
- HUNGARY: R. Budapest, 9835, full data cards in 32-58 days for no r.p. (Smith-FL) Also received a book for being on their Honours List (Demmitt-PA)

- IRELAND: Radio Dublin (Pirate), 6316, full data form letter in 3 weeks for 3 IRCs. V/S Angela Meier. Also received round self-adhesive stickers (Lobdell-MA)
- ITALY: RAI via Caltanissetta, Sicily, 7175. Full Data "Gian Lorenzo Bernini" card in 254 days for 2 IRCs. Sent English report on Italian program. (Hoffman-PA)
RAI via Rome, 9575. Date only "Glorgione L'adorazione del pastore" card in 62 days for no r.p. (Smith-FL)
- MALTA: IBRA Radio, 9510. Full data "Blocks of Gospel" and "IBRA Radio Reaching Africa" cards in 77-95 days, 2 IRCs, no r.p. (Futch-GA, Dittrich-FL) I presume that the Stockholm mailing address was used.
- MONACO: Trans World Radio - Monte Carlo - 9495. Full data "View of Monaco" cards in 17-67 days for 1 IRC. (Moss-CA, Dupree-MD)
- NORWAY: R. Norway, 11860, 15175, 17840. Full data cards in 24-30 days for 1 IRC, no r.p. (Hall-CA, Seymour-NC, Vockeroth-NJ) This station has some of the prettiest scenic QSL cards around.
- POLAND: R. Polonia, 7270, 11815. Full data "Warsaw Scenes" cards in 56-73 days. No r.p. V/S Zdzislaw Frackiewicz. New DX Club info also received. (Smith-FL, Kapinos-MA). For all of the problems over there, R.P. remains one of the friendliest stations around.
- ROMANIA: R. Bucharest, 9570, 9690. Full data scenic view cards in 108-118 days for 3 IRCs, no r.p. Invitation to Listeners Club and skeds also received. (Oakley-OR, Rocha-PA)
- SPAIN: R.E.E., 11880, full data form letters, view cards, in 19-43 days no r.p. Skeds also sent. (Raymond-MA, Smith-FL, Thompson-NM), Dittrich-FL) Looks like they might have run out of QSL cards again. Have faith, they are having another batch printed.
- SWITZERLAND: Swiss Radio International, 15305, 21520. Full data "Locarno" and "Rouges Terrea" cards in 28-62 days for 1 IRC, no rp. (Smith-FL, Thompson-NM)
- VATICAN STATE: R. Vatican, 15120, 5 cards for 5 reports in 1 week, no r.p. Also received a "The Vatican Radio" book (Vockeroth-NJ)

AFRICA

- ALGERIA: R.T.A., 21635, Full data fold out card in 27 days for 1 IRC. Reported in French. (Viau-Quebec)
- LIBERIA: ELBC-Monrovia, 3255, full data large blue cards in 6 weeks - 3 months for 2 IRCs. (Brewer-TN, Sams-AZ, Kapinos-MA).
- LIBYA: The Libyan Jamahiriya BC Company, 11825, full data color card in 4 months for 2 IRCs. V/S Ibrahim A. Habibi (Lobdell-MA)
- MAURITANIA: R. Mauritanie, full data yellow/black/white logo/map cards in 97 days to 6 months for 2 IRCs. Reported in French. (Parks-FL, Kapinos-MA) This station will only accept French or Arabic Reports. Tri-lingual forms are also OK.
- NAMIBIA: Radio South-West Africa, 3270, 4965. Full data "Country Scene" cards in 2½ months for 2 or 3 IRCs. (Hoffman-PA, Lobdell-MA). Welcome to this new found country. No, I am not going to get into the politics of the situation (hi).
- SEYCHELLES: F.E.B.A., 15400. Usual no data "thank you" card in 48 days for 1 IRC. (Leite-MA)
- SOUTH AFRICA: SABC, 3250. Full data card in 29 days. No r.p. (Viau-Que) Radio RSA, 11900, 15155, 15220, 15325. Full data multi-color view cards in 16-31 days. No r.p. (Hall-CA, Futch-GA, Vockeroth-NJ, Dittrich-FL)
- UGANDA: Radio Uganda, 15325. Full data "Studio Building" cards in about 1 year for no r.p. (Conover-KY, Huddleston-TX, Kopriva-CA). Looks like it's time to clean out their file cabinet again. Patience is amust with these folks. I've tried everything short of gold bullion to get a reply from them.

ASIA

- CHINA: Radio Peking, 11600, 15120, 17680, Full data various "Peking Scenes" cards is 17-43 days for 1 IRC, no r.p. Skeds, calendars, note books, lapel pins and pennants also received. (Smith-FL, Shepherd-IL, Byron-NY, B-G SWL Club, Hall-CA, Stone-Ontario)
- INDIA: All India Radio, 11620. Full data "painting" cards in 57-99 days for 1, 2 IRCs, no r.p. (Futch-GA, Moss-CA, Shepherd-IL)
- IRAQ: Radio Baghdad, 9745. Full data Map cards in 35-99 days for 2 IRCs. (Maise-LA, Leite-MA, Futch-GA). Has anyone seen their rumored "war souvenir" card.
- ISRAEL: Kol Yisrael, 9815, 11610. Full data "Jewish Workers in Tel Aviv" cards in 20-60 days. No r.p. Tim McCurdy, SPEEDX's resident linguist, reported them in Hebrew. (McCurdy-CA, Conover-KY)
- JAPAN: Radio Japan, 9505, 17725, 17755. Date/Frequency "Water Lilies" and "Noh Mask" cards in 29-55 days, no r.p. Skeds, report forms and booklets also received. (Smith-FL, Miller-CA, Hall-CA)
- LEBANON: Radio Lebanon, 15375, full data Transmitter Building card in 5 months for 2 IRCs. (Leite-MA). Mike Harvester received 3 Full Data (all with the wrong frequency) cards for 1 July 1979 report.
- OMAN: BBC Eastern Relay, 15310. Personal letter direct from site, V/S "Saljawaelt", who says that he'll be at Limassol this year (Hall-CA), 17770. Full Data Prepared Card in 70 days. (Dittrich-FL) With a little imagination some of the BBC sites can be verified.
- PAKISTAN: Radio Pakistan, 17660, 21755. Full data view cards in 74-138 days, 1 IRC, no r.p. (Hesch-NY, Munster-GA)
- PHILIPPINES: Radio Veritas Asia, 9605. Date only "Programme Producers" card in 36 days for regular monitor report (Miller-CA).
- SAUDI ARABIA: BSKSA, 11855, 15060. Full Data "Crossed Swords" cards in 73-199 days, no r.p. Skeds also sent. (Hesch-NY, Leite-MA)
- SINGAPORE: BBC Far East Relay, 11955, Full Data "BBC World Radio Club" certificate award with World Radio Club Pennant in 1 month (Munster-GA)
Radio Singapore, 11940. Full data blue/yellow logo card in 26 days for 1 IRC.
- TAIWAN: Voice of Free China, 15270. Full data "Vase" cards in 25-27 days, no r.p. Pennants and cassettes of Chinese Music also received. (Hoffman-PA, Futch-GA)
- UNITED ARAB EMIRATES: Dubai Radio and Colour TV, 21700. Full data Map and logo cards in 1 month for 2 IRCs, no r.p. (O'Riordan-ID, Dittrich-FL)
- YEMEN, P.D.R. P.D.R. Yemen BC Service, 17190. Full data pink antenna and national emblem card in 51 days for 2 IRCs. Whoops, card was not full data, time not indicated. (Viau-Quebec)

U.S.S.R.

I'm going to try something new here, no breakdown on "republics" or continent. Your thoughts on this departure from tradition will be most welcome and appreciated.

RM-Frunze, 15535 (Viau, Que); RM-Irkutsk, 17880 (Smith-FL), RM-Ivano-Frankovsk, 9.66, 11750 (Viau); RM-Minsk, 15540 (Smith, Viau); RM-Moscow, RM-Kenga, 15265 (Viau); RM-Kiev, 11770 (Viau); RM-Leningrad, 17860 (Hall); RM-Lvov, 17780 (Viau); RM-Moscow, 7170, 9660, (Chinakos-WA, Vockeroth-NJ); RM-Orsha, 11710 (Viau); RM-Nokolaevsk on Amur, 15415, 9780 (Viau, Vockeroth); RM-Ryazan, 5980 (Viau); RM-Simferopol, 7.13, 15455 (Vockeroth, Smith), RM-Tula, 9610, 12030 (Viau); R. Yerevan, 17870 (Moss-CA) and last but not least, R. Vilnius, 11735 (Cuppy-IN). Various f/d cards were received, in an average of 45 days, most for no return postage.

OCEANIA

- AUSTRALIA: Radio Australia, 6060, 9580, 15115, 21740. Full data "November 1980 Map Cards" in 32-60 days for 1, 2, 3 IRCs, no r.p. (Oakley-OR, Dittrich-FL, Futch-GA, Conover-KY, Leite-MA, Seymour-NC, McCurdy-CA, Huddleston-TX, Kopriva-CA) As R.A. has decided to issue but one QSL card per year, the only other shot for this country is one of the Regionals as listed below. Will try to let the readers know ahead of time what the 1981 "QSL Month" will be.
VLR-6 - Lyndhurst, 6150, Full data ABC card in 70 days for 1 IRC. (Viau, Quebec)
VLW-15 - Perth, 15425, Full data VLW card in 25 days for 2 IRCs (Dupree-MD)
VLW-9 - Waneroo, 9610, Full data Beam card in 31 days for 1 IRC (Raymond-MA)
VLH-9 - Lyndhurst, 9680. Full data Map Card in 63 days for 1 IRC. (Dupree-MD)
- PAPUA R. East New Britain, 3385. Large Black & White map card in 330 days for 1 IRC. V/S S. Bata. (S. Hall-CA)
- SOLOMON ISLANDS : S.I.B.C. Full data logo card in 21 days for 2 IRCs. (Huddleston-TX)
- VANUATU, R. Vanuatu, (???) , full data log card in 1 month for 1 IRC. V/S I.J. Irving. (O'Riordan-ID)

NORTH AMERICA

- CANADA: CFVP - Calgary, 6030. Full data "Broadcast House" card in 130 days for 2 IRCs. Apologized for the delay. (Oakley-CA).
CFCX - Montreal, 6005, Full data "Building" card in 19 days for no r.p. (Vockerath-NJ)
CFRX - Toronto, 6070. Full data "CFRB Marine Mobile" card in 15 days for 1 IRC. (Dupree-MD)
RCI - what happened, not a report.
- COSTA RICA: R. Rumbo, 6078 (6075). Full Data "Banjo Playing Blob (??) sticker card in 23 days for 2 IRCs. Reported in Spanish. (Hall-CA).
- CUBA: Radio Havana Cuba, 9525, 11760. Full data "Moro Castle" and "Jose Marti Memorial" cards in 158 days, 6 months for no r.p. "Usual" letter from "Maria" also received. (Miller-CA, Seymour-NC)
- HONDURAS - HRVC, 4820. Date only colorful logo card in 75 days for 2 IRCs. V/S Armadad Ordenez. Reported in SS. (Futch-GA).
- MEXICO: XERMX - Radio Mexico 15430, Full data White cards in about 6 weeks for 1 IRC, no r.p. Reported in SS and English. (Rochas-PA, Leite-MA)
- NETHERLANDS ANTILLES (BONAIRE) - R. Nederland Relay, 6165, 9770, 17695. Full data cards in 14-21 days, no r.p. Pennants, stickers and skeds were also received. (Dittrich-FL, Hall-CA, Smith-FL)
Trans World Radio, 11745. Full data card in 25 days for 1 IRC (Dupree-MD)
- NICARAGUA: L. V. de Nicaragua, 5950. No data friendly letters and pennants received in 6 weeks for 1, 2 IRCs. (Futch-GA, Seymour-NC)
- U.S.A.: WYFR, 21525, f/d map card, no r.p. (O'Riordan-ID)
Pirates: Jolly Roger Radio, 6210, f/d card in 6 weeks for phone report (Sams-AZ),
Radio Confusion, 7550, f/d "Scenic Lake Confusion" card in 18 days for mint stamps. (Conover-KY)
"Voice of Revolutionary Vinco Relayed by WJAM", 26680, full data card in 100 days. (Hoffman-PA)
KVHF, 6420. Yellow card in 60 days for 15¢ stamp. Also a 3 page photo-copy history of KVHF plus personal letter. (Bixby-CA)
- "U.S.A. ""Pirate"" broadcasts are now in a state of flux following recent F.C.C. actions.

SOUTH AMERICA

- ARGENTINA: R. Rivadavia - Buenos Aires, 5882. Full data "Cock and Owl" Logo card in 28 days for 2 IRCs and Spanish Report. V/S Ing. Jorge Armando Falcone. (Hall-CA)
- BRAZIL: R. Aparecida, 5035. Full data "Long Card with picture of building on left and QSL message on right" in 39 days for 1 IRC and Portuguese report. (Viau-Quebec).
R. Guaiba, 5965. Green and white log card, multi-lingual confirmation, in 33 days for 1 IRC. V/S Werner Volk. (S. Hall-CA)
Radio Bras, 15290, Full data "Station Card" in 10 weeks for 1 IRC. Also sent sticker and sked. (Vockeroth-NJ).
- COLOMBIA: Ondas Del Meta, 4885. Date only personal letter and post card. QSL came 22 days after 20th follow up, total elapsed time was 5 years and 2 months. (Lazarus-LA). Henry, you are the most patient and persistent DXer I know of. Keep up the good work. Radio Nieva, 4855. Logo Card with personal verie message on reverse, 1 month after follow up for mint stamps. V/S "Edoth, Secretaria" (Lobdell-MA)
- ECUADOR: Radio Quito, 4920. Folded Logo Card in 2 weeks for English report and 2 IRCs. V/S Jose Almeida. (O'Riordan-ID)
HCJB, The Voice of the Andes. 6095, 9745, 15115, 15155, 15355, 17890, 26020. Various full data cards in an average time of 6 weeks for varying return postage. (Miller-CA, Dittrich-FL, VOCKEROTH-NJ, Kotsakis-OR, Thompson-NM)
- SURINAME: R. Apinte, 5005/5006. Full data mimeo letters in 21-37 days for 2 IRCs. Also sent were pennants, postcards and studio building photos. (Huddleston-TX, Viau -Que, Leite,-MA).
- VENEZUELA: R. Universo, 4880. Full data transmitter card in 368 days for 1 IRC and a Spanish Report (Rocha-CA)
R. Juventud, 4900. Date/Frequency Green White Orange card in 76 days for 1 IRC and a Spanish Report. (Moss-CA).

MISSORTS

- EGYPT: Radio Cairo, 9475. Full data Studio Card in 41 days for 2 IRCs. V/S The Famous "RITA". (Rocha-CA)
- NIGERIA: FRCN-Ibadan, 6050. Full data mimeo form letter in 6 weeks for 2 IRCs. V/S G.O. Olaoshun. (Lazarus-LA)

Well, there it is. A little light on reports this months, perhaps due to the transition. A couple of personal notes. I'm "over 30", been DXing off and on since the late '50s, really becoming active about 5 years ago. Note to any potential correspondents: My first name is NOT Mister, John or "KAP" are preferable.

Among other interests, I'm quite involved with the Handicapped Aid Program, "HAP". As many of you might know, Sam Barto, NASWA QSL Editor, runs a monthly auction of station souvenirs to benefit HAP. A SASE to either Sam at 460 Emmett Avenue, Bristol, CT 06010 or me will bring you a copy of the current months offerings.

I note that many reporters send IRCs to the "East European" and other Socialist Government operated stations. It's not really necessary. Also there are manymembers (me included) who "Chase" Radio Moscow sites. The best reference material on the subject is Rogger Legge's "UHN Newsletter" Cost is \$3.00 for 10 issues, address can be found, I'm sure, in another section of this SPEEDX.

One more thing, and I'll get off my soapbox. To those who used SPEEDX report forms, "Thank You". To those who didn't, "Please Do". They are available from HQ for a very nominal cost and really make my job just a little bit easier.

Till next time, keep smiling.

P.S. Mike Chabak, SPEEDX Utilities Editor and I have an arrangement, He doesn't publish SWBC material and I don't publish UTES, including Time Stations. Any "UTE" material I get will be forwarded to Mike. Thanks.

QSL Potpourri

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RADIO-MAURITANIE



RADIO NEIVA

Felicidades

1, 320

1, 91



QSL

We take pleasure in verifying your reception report of our transmission.

Via: Soroti.

Date: 21st November, 1979,

Time: 0309 GMT.

Frequency: 15325 kHz,



Signature: David R. Borge

R: DIL 1KG, JTC, P.O. Box 2038, Kampala

Tel. 57251 Kampala, cable: Knowledge

Larry Kyriva,
9156 Cockatoo Avenue,
Fountain Valley, CA 92708
U.S.A.

UGANDA

Tips and Topics

The Feature Section of SPEEDX

EDITOR: ARTHUR S. GETZEL - 70-29 KISSENA BLVD - FLUSHING - NY 11367

A SECRET WAY TO COMMUNICATE

by Hal Feinstein

Ever since World War II, there has been a somewhat secret way to communicate over normal HF radio such that a normal receiver cannot pick it up. Not only cannot a regular shortwave receiver pick up such a signal, but also the receiver does not even know it's there. You have probably listened to some empty space on the shortwave band hoping that maybe a station would appear out of the noise. But no luck! Just QRN. However, imagine that there is a secret signal there—hidden by a clever disguise. The signal is disguised as noise!!!

What is this secret way of communications called? It is called spread spectrum modulation. It is a technique which was classified up to a short time ago and has been gaining a good reputation with some parts of the commercial and amateur community.

Spread spectrum communications comes in several different forms. The one form I will talk about in this article is called Frequency Hopping (FH). It is the easiest to understand. Some other spread spectrum forms are: Phase Hopping, Time Hopping and Chirp which is usually used by special radars. All spread spectrum signals have certain characteristics in common that makes it good for military application.

A spread spectrum signal cannot be intercepted on a conventional receiver and is very much invisible. It will reject signals of a conventional nature which are not spread spectrum and even if they are spread spectrum, they must have the same key. Two spread spectrum signals with different keys act like private channels; they cannot hear each other. It is very hard to jam a spread spectrum signal. So how does it work?

Let's examine just frequency hopping spread spectrum. Basically it is very simple. Both a regular transmitter and receiver (say using SSB) are rigged up so that they will change frequency about 200 times a second! Of course, the frequency changing pattern is a secret for military applications. In fact, in a military application, the system is handled in much the same way as a cryptographic device. The frequency changing pattern generator is set by a key. Of course, the key is a guarded secret. Both the transmitter and receiver must be set with the same secret key. In this way no other receiver, either spread spectrum or regular, can receive the spread spectrum signal. Just imagine trying to follow these units hopping around at 200 times a second or more.

Now, how can it avoid detection by a normal receiver? Well, a normal receiver wants to receive signals which don't move around. Things that appear just for a split second and then are gone look very much like static and are rejected, blanked or limited. So, for this reason, a spread spectrum unit using frequency hopping would not even show up on a normal communications receiver. You don't even know it's there.

Usually the interval of hopping can be about 100 kHz up to about 20 MHz. The amount of time a spread spectrum unit spends on a given frequency is called the "dwell time."

Two spread spectrum frequency hoppers which have different keys would hop in different patterns. Every once in a while, they would hop to the same frequency. But at the speed of the hopping, very little error is encountered. There are two styles of hopping pattern generators to consider. One form is what is called a Gold Code generator which produces random frequency hopping patterns. Gold was the name of the inventor. These Gold Codes are very nice and easy to build so many not so secret spread spectrum systems use them. Since the Gold Codes are well known, a special spread spectrum system could be constructed which would search all the known gold codes for the one you are using. This means that someone else can listen in on the conversation. This doesn't give enough privacy for the real heavy stuff the military and "other" agencies would want. Therefore, the military usually adds a few touches of its own.

One such touch is to combine a few different forms of spread spectrum together to make a hybrid system. There is a second form of spread spectrum called time hopping (or burst) spread spectrum. Under this system, the transmitter and receiver stay on one frequency and simply don't transmit enough power for them to be above the noise level. They do this by randomly turning their carrier off and on in bursts. Like its frequency hopping partner, without the bursting pattern, you cannot receive this either. Many times, in a secure system, both frequency hopping and time hopping are combined

together.

Now, another thing that the military does is to use a special frequency hopping generator that is designed by the same people who make secret codes. They use the same principles for both. Trying to figure out what the hopping pattern is, is like trying to break a military code.

Spread spectrum has another interesting facet. It is very hard to jam a spread spectrum signal. Why? Because it is moving around all the time. A spread spectrum frequency hopper is moving around in frequency about 200 times a second. The jammer is just a fixed jammer like the ones you can hear on the international BC bands or it might be one of the modern "intelligent" jammers which tries to follow the spread spectrum signal around. So as long as the hopping pattern is unknown to the jammer, you can get a signal through. But if the jammer guesses what your hopping pattern is, well, the games up!

You may wonder what the intercept equipment is like for this type of game. Intercepting spread spectrum signals takes some doing. But the equipment is similar to what the average SWL has at home. For example, there is the receiver itself. But the receiver usually has a few differences. It is of course wideband with a bandwidth from D.C. to daylight. It has a spectrum analyzer attached which gives a sort of "S Meter" reading for each frequency in its bandpass. Lastly, it usually has a computer hooked up to it so that the operator can make some guesses as to the intercepted hopping pattern.

There is spread spectrum being used on the high frequency bands but they find their best usage at the VHF and UHF frequencies. Most communications by military satellite is done with spread spectrum systems. And now there has been some activity in the amateur area. A group of hams in the Washington, DC area in a club called AMRAD have gotten FCC approval to experiment with this kind of communications. Presently, there are two experiments in the HF range planned. One with commercial military rigs between Rochester NY and Washington, DC and a second on the ten meter amateur band between Washington DC and Dallas TX. Both experiments will use frequency hopping modes. If you can receive the American Radio Relay Station WIAW on RTTY, they will have announcements as to time and date.

Spread spectrum has some interesting advantages which seem geared to deal with the crowded bandspace of the radio spectrum. The non-interference and anti-jam characteristics make it a mode that will gain more and more acceptance in the community. Currently, the FCC is thinking about the idea of a land mobile service which will use spread spectrum in the UHF region. We'll have to wait and see what happens on this one.

NEW COAST GUARD CUTTER CLASS

by RM3 J.T. Pogue, USCG

USCGC BEAR was launched at the Tacoma Boatbuilding Co. in Washington on September 25, 1980. First ship in a new class of medium endurance cutters (MEC's) BEAR is the lead ship in a class to be known as the "Famous Cutter Class."

BEAR is the first major cutter to be launched since the last ship of the 378 foot "HAMILTON" high endurance cutter class, MIDGETT, was commissioned in 1972. This class is intended to replace the aging "Secretary" class cutters, all commissioned in the late 1930's, and to complement the Hamilton Class.

On hand for the launching were Commandant of the Coast Guard ADM. John B. Hayes, sailors from the original BEAR, Seattle based Coast Guard personnel and hundreds of others. Mrs. Hayes, wife of the commandant, sent the ship off the launching ramp with a splash of Bering Sea water in memory of the original BEAR followed by the traditional Champagne.

BEAR is named for one of the most famous cutters in U.S. Coast Guard history. The original BEAR, a wooden barkentine laid down in 1874, served the Coast Guard for almost 100 years. She fulfilled a multitude of missions including law enforcement, ice breaking, rescue work. She served as a war ship, a missions of mercy platform, and even a movie star. She spent most of her life making 42 trips to the Arctic, logging nearly 700,000 miles in northern waters. The original BEAR was finally lost in the stormy Atlantic on her way to what many felt was an unfitting role as a floating museum and restaurant in Philadelphia.

The new BEAR and her sisters will be 270 feet long, with a beam of 38 feet and draft of 13 feet. Top speed will be approximately 19.7 knots, provided by a diesel propulsion plant delivering 7,000 bhp to two shafts. The ships will have a helicopter hanger to embark aircraft, and will be provided with fin stabilizers for better sea keeping. Sensors will include the Mark 92 gun fire control system (able to track 4 targets at once and scan for others), the SPS-64 surface search radar, and although no SONAR will

be carried, the containerized SQR-19 passive towed arrayed can be embarked. As for weaponry, the cutters will carry the 76-mm OTO Melara rapid fire gun (75-85 rounds per minute), have provisions for the installation of the 20-mm Phalanx Mk 15 "Gatling" gun close-in weapons system (3,000 rounds per minute), and have the capability to deploy Harpoon anti-ship missiles if necessary.

One of the most interesting features of these new cutters will be the installation of the computerized command and control system (COMDAC) that will automate as many bridge, CIC (now called CSC for command support center) and communications functions as seems reasonable. Basically, COMDAC will consist of consoles located on the bridge, in CSC, and in damage control central; a computer controlled periscope located on the bridge; required computer hardware and software; input/output connections to the SPS-64 radar, 1999 C receiver, Omega receiver, gyroscope, doppler speed log, 76-mm gun, and various other systems. Information collected or generated by COMDAC will be available at any of the consoles. Thus instead of the traditional wooden wheel and compass, BEAR helmsmen will face a computer based console and a bank of television monitors.

For the Radiomen aboard this new class of ships, the COMDAC system will compose outgoing messages and distribute incoming messages. Messages will be readily available at any of the displays for three days, obviating the need for much of the hard copy. COMDAC will also keep track of who has seen the message traffic, and who still needs to.

COMDAC was obviously designed with a reduction of shipboard personnel in mind. This accounts for the limited crew of 109 officers and Crewmen. Comparatively speaking, the USCGC UNIMAK, a 310 foot cutter, carries a crew of 152, yet boasts far less versatility and has fewer mission capabilities.

At present, 13 ships in this class have been planned, with a total of 20 proposed. Below is a list of the ships, all named for famous cutters of the past, presently in construction or planning, with corresponding hull numbers and call signs when known.

USCGC BEAR (WMEC-901) NRKN, USCGC TAMPA (WMEC-902) NIKL, USCGC HARRIET LANE (WMEC-903) NHNC, USCGC PICKERING (WMEC-906), USCGC NORTHLAND (WMEC-904) NLGF, USCGC SENECA (WMEC-905), USCGC ESCANABA (WMEC-907), USCGC LEGARE (WMEC-908), USCGC ARGUS (WMEC-909), USCGC TAHOMA (WMEC-910), USCGC ERIE (WMEC-911), USCGC McCULLOCH (WMEC-912), USCGC EWING (WMEC-913)

USCGC BEAR is scheduled to join the Coast Guard fleet sometime in 1981, and she and her first three sisters will all be home ported in Portsmouth, Virginia. Listen up on 6 and 13 MHz SCN, and see who will be the first to get a BEAR QSL.

THE DX-302: A FIRST IMPRESSION

by John P.P. Cereghin

When I found out I could obtain a radio with digital readout, I almost had a heart attack, because, my 3 radios are a DX-160, a Heathkit AR-2 and a simple Sears Multiband. I had a choice between a DX-200 and a DX-302. Being a desparate DXer wanting a radio with digital readout, I chose the DX-302.

At the nearest Radio Shack, in Elkton, MD, I told the clerk of my interest in the DX-302, and he set it up for me to test for myself. The only problem was that it was hooked up to a CB antenna, and not a shortwave antenna.

The clerk said, and I already knew, that the 302 was a replacement for the flaky DX-300. I'm sure that the 300 was a fine radio, but I think the 302 is better. It seems that Radio Shack is overhauling its shortwave radio line by axing the DX-160 and the DX-300, and introducing the DX-100, the DX-200, and the best of the bunch, the DX-302.

The DX-302 is almost identical to the DX-300 in looks, except for 3 differences. One is that there is no separate fine tuning control. The 300 had one, but the 302 combined it to the kilohertz tuning knob. In its place, the 302 put in the BFO. The two tuning knobs are located in the center of the front. The black, large knob controls the kilohertz frequencies from XX.000 to XX.999. The grey outer ring controls the megahertz controls from 0-30 MHz. There is a fine tune of sorts however, since when used correctly, the BFO can alter the frequency by plus or minus 1 to 2 kilohertz.

The 0-20-40 attenuator is more sensitive than before. The selectivity switch has been changed from a 3-step control to only a 2-step. The DX-300 had wide-normal-narrow, but in the DX-302, the normal slot is lacking, supposedly to increase selectivity, which has happened.

Thirdly, the digital readout is slightly larger and brighter, which is a good thing if you have impaired vision like me. I figure that even with my glasses off, I could read the readout from about 5 feet, which is a mile for me.

Many things haven't changed, such as the preselector, the S-meter, the attenuator, RF Gain, volume, and the mode controls. One big plus is with the sideband stability. To test it, the clerk tuned to a sideband CB channel, played with the BFO, and found a CBER on sideband. That signal was rock steady for the 10 minutes he listened. It was better than my DX-160.

However, nothing created by an imperfect creature is perfect. To test the MW frequencies, where I DX from time to time, I tuned down, and ran across a powerful signal on 1550 kHz. On 1550, there is a 5 kw MW station located less than a half mile from the store. It bled from 1547 kHz to 1553 kHz, and it put out a signal on 550, 2550, 3550, 4550, and 5550 kHz, but the 550 and 5550 kHz signals were very weak. That happens when you have the powerhouse station on a frequency, and tune the megahertz frequency control up or down a few megahertz without adjusting the preselector. If you adjust the preselector accordingly, it might clean up the signal. I don't know that though, because I tried everything else except that to kill the signal, but nothing worked.

A great feature about the 302 is that it retains the frequency range of the 300: 10 kHz to 30 kHz, which even some of the super-priced rigs can't compare with. The HRD-505 only goes down to 100 kHz, and it costs over \$2200! Even the "Master of Radios!" the Drake R-7 only goes down to 100 kHz, and the R-7 demands a \$1300 price tag. If you're willing to cough up \$400, you can get a DX-302 and listen clear down to 10 kHz.

Other front-side features are a night-light, and a battery tester, when batteries are installed.

On the back, there are 4 antenna terminals, plus one for a coax cable. There is a recorder jack, so you can record your logging of Falkland Island, a jack to connect an external speaker, so you can take the speaker with you to the bathroom and not miss anything, and a jack to connect a code key.

Another nice thing about the DX-302 is that it is very portable. You can stick in 8 "C" size batteries in the back, or plug it in your cigarette lighter of your car, and listen to your favorite broadcaster as you drive down your favorite interstate. There are also straps on each side of it.

So, in conclusion, the DX-302 is better in sensitivity and selectivity than the DX-300, even though it costs \$20 more. One problem here is that the \$399.99 price is not expected to drop in the near future.

TUNING 26 MHZ ON THE SX-190

by Paul Kowalski

Here's a method I've discovered for tuning the 26 MHz band on a SX-190 without adding a crystal. Perhaps this may be of interest to members who own the SX-190.

A couple of years ago, Ed Shaw had an article which Larry Brookwell reproduced in SDDXC. Within was the fact that a SX-190's crystal has a second preselector peak which reads backwards! This set me to some experimenting. And I've since found many useful frequencies on the SX-190.

Recently I've found that there is (on the top preselector range) 3 peaks: The fundamental, the one that reads backwards, and a third that reads normally left to right! Most of these on the top range fall above 30 MHz and are not practically useful. But the third peak of the 11.5 band setting is roughly 25900 (actually can tune lower due to generous overlap on ends of dial scale) to 26400.

The SX-190 has a 0 to 500 main tuning dial scale and depending on VFO calibration, is fairly close on all the given bands. With this third peak method, actual frequencies are about 20 kHz below the normal ones. For example, on the 11.5 setting, 200 will be 11700. On 26 MHz, mistuned preselector method 26100 will be approximately 180 on the main tuning dial.

To get this band, first set band selector to 11.5 and the main tuning dial to near 100. Then tune the preselector to between 25 and 27 and listen for a peak in the noise. Now, put on the crystal calibrator (100 kHz) and tune around 80 to 100. When the sound peaks, the preselector and index dial skirts to 0. You'll now be tuned to 26000 kHz. During the day, tune up 20 kHz on the dial skirt and there will be HCJB's 100 watter! A check for linearity with the crystal marker of 100 kHz shows normally fair results. So using markers and the dial skirt, accurate readout can be had. Remember, readout (although behind by 20 or so kHz) is read normally left to right so no charts are needed for this one.

So if you want nearly all of 11 meters on your SX-190 and you've been thinking of a crystal, save your money! It is there on the SX-190. It is only hiding, hi!

TIDBITS

FCC PLANNING TO VOTE ON DEREGULATION OF RADIO: The Federal Communications Commission is planning to vote on a policy to deregulate nearly 9000 radio stations. Charles D. Ferris, chairman of the FCC, said that he believed some consensus was possible on deregulation, which has been pending since September 1979. The issue has attracted eager support from the radio-broadcasting industry, but it has been strongly opposed by church and other public-interest groups that fear that radio stations, left to their own, may ignore news and information programs. The proposals to be considered include eliminating program-log requirements, dropping limitations on the number of hourly commercials, eliminating requirements to find out a community's programming needs and, most controversial, ending requirements that stations produce a certain amount of "non-entertainment" programming, such as news. The leading concern among the commissioners is whether it is possible that in certain communities all the stations might abandon programs that provided news, public discussion and information because they were costly and drew too little income from advertisers. In at least one compromise that may be considered, the commissioners could decide to keep each radio market under surveillance and, if non-entertainment shows disappeared completely, order some remedy. Another proposal is to require that stations provide a minimum amount of entertainment. In its general justification for deregulation, the commission's staff found that radio stations were so numerous and competitive in nearly all communities that regulation was often redundant because stations would limit commercials and broadcast some news just to gain an audience share. Many opponents say, however, that the grounds for deregulation are too theoretical. At least two sets of regulations would remain under all approaches to deregulation—the Fairness Doctrine, which requires a station to broadcast opposite sides of a controversial issue, and equal-employment obligations. (New York Times, January 12, 1981 via Editor)

NEW INTERNATIONAL POSTAL RATES AND FEES: The new year has brought with it a new international Postal Rate Schedule. Here are the new airmail rates from Postal Bulletin 21274. The bargain rates to Mexico and Canada continue. You can look for them to go up with the coming domestic rate increase. Air mail to Colombia, Venezuela, Central America, the Caribbean Islands, Bahamas, Bermuda, St. Pierre & Miquelon: 35 cents per half ounce up to and including 2 ounces; 30 cents per additional half ounce up to and including 32 ounces; 30 cents per additional ounce over 32 ounces. For weights over 32 ounces, add 30 cents per ounce or fraction. All other countries: 40 cents per half ounce up to and including 2 ounces; 35 cents each additional half ounce up to and including 32 ounces; 35 cents per additional ounce over 32 ounces. For weights over 32 ounces, add 35 cents per ounce or fraction. International post cards (except Canada and Mexico which are 10 cents): 28 cents each and Aerogrammes are 30 cents. (Kevin Davidson)

SHORTWAVE HOBBY EQUIPMENT REVIEW: This book by Larry Brookwell contains one hundred seventy pages of SWL hobby equipment descriptions, user's reports, evaluations, modifications, and operation tips, plus a comparative chart of 37 receivers, compiled from 32 issues of the San Diego DXer Club bulletins. In non-technical language, it covers old favorites to contemporary gear (includes the latest CRF-1, NRD-515, FRG-7700, RF-9000). Receivers, preselectors, audio filters, active antennas, decoders, space-age add-ons and professional gear are examined, in most cases, "on the air". A must for the hobbyist contemplating a purchase, or just to keep abreast of advancements... \$4.95 ppd in North America (\$7.75 overseas airmail). Send money to the San Diego DXer's Club, 1826 Cypress, San Diego, CA 92154. (Info from Dave Maxfield)

PIRATE RADIO STATION IN SEATTLE ORDERED OFF THE AIR: Sherlock Holmes was a star in the recent Strange Case of the Short Wave. But he was on the wrong side of the law. Holmes' investigation was cut short when agents of the Federal Communications Commission ordered James T. Dolan of Seattle to shut down his station KX4M "Voice of Clipperton," illegally broadcasting on international shortwave bands. Dolan was ordered to forfeit \$750. The move against Dolan was part of an FCC crackdown on pirate broadcasting internationally, said Jim McKinney, head of the FCC's field-operations bureau. The puzzling aspect of this type of illegal broadcasting is why the operators do it, McKinney said. In the past two months, the FCC has moved against such broadcasts in Indianapolis and Santa Ana, Calif., as well as Seattle and is on the trail of another illegal operator outside of Boston. "These operations aren't the same as an illegal AM or FM station, where you have someone who wants to show off for his local friends," McKinney said. "They're broadcasting rock music, poetry, old mystery shows. And they obviously want to see how far they can reach. It's silly." In Dolan's case, broadcasts of news and old-time radio shows like Sherlock Holmes were being made twice a night, said Ed Ramras, contact representative for the Seattle FCC office. A number of FCC's 13 monitors, one of which is in Ferndale, Whatcom County, picked up the signal and fixed it as coming from Seattle's North End, Ramras said. The monitors can pinpoint a signal to a 2-mile radius, Ramras said, and mobile monitors then are used to find the station. Dolan was broadcasting on the 7 megahertz and 21 megahertz band with 75 watt transmitters capable of world-wide coverage. Ramras said

the maximum penalty for operating an unlicensed station in a criminal case is a \$10,000 fine and one year in jail. The FCC has the power to assess a forfeiture of up to \$5000 for a noncriminal offense. The Seattle FCC office covers most of Washington State, North Idaho and Montana. (Seattle Times, December 22, 1980 via Bruce Portzer; also like Chinakos)

'TOKYO ROSE' IS GONE, BUT FEN ISN'T: The first-time western traveler to Asia, twirling the dial on a hotel room radio, may be astonished to find rising amid the babble of unfamiliar languages a voice with an American drawl, reading the news in English. But to millions of Americans and other English-speaking people who have lived in Asia over the past 3 1/2 decades, this is the familiar sound of the Far East Network, the US military broadcast system that claims an audience of 23 million people in Japan alone. FEN, which marked its 35th anniversary in mid-September, was born during World War II as the "Jungle Network," also known as the "Mosquito Network," broadcasting American news and music to the GIs and helping offset the propaganda of Japan's infamous "Tokyo Rose." The network that once broadcast from shanties and mobile vans in the rain forests of New Guinea and Guadalcanal now operates from eight stations in the Western Pacific, including a multi-million-dollar computerized studio at Yokota Air Base on Tokyo's western outskirts. But the mission remains much the same. "As far as programming is concerned, we try to make our people feel as if they never left home," said Capt. Leslie Burnett, a 33 year-old Marine Corps veteran who, as network operations director, supervises FEN's 280 military and civilian employees. To achieve this, the network loads its broadcast hours with taped programs of popular stateside record shows like Wolfman Jack and Charlie Tuna, "Country Countdown" and "American Top 40." Americans wake up to "Paul Harvey News and Commentary" and hear delayed reports on major-league baseball and other sports. The network makes a policy of broadcasting nothing that would offend the host country, and avowedly seeks to present news in an unbiased manner. As Tokyo's daily Mainichi Shimbun noted recently, FEN steers clear of political propaganda, although travelers report that its shortwave broadcasts can be heard as far away as Peking. Major Japanese newspapers print daily program guides, and one has taken advantage of FEN's popularity by publishing a listening guide in book form. Burnett says 3000 Japanese a month write asking for advance schedules, but that is only a fraction of the total local audience, some of whom apparently listen merely to improve their English - free. "Sometimes the Japanese call and ask, 'What's the name of that song?'" or ask me to speak a little slower," says Jon Yim, a 23-year-old Navy Journalist from Honolulu. Yim, whose five years' broadcast experience is exceptionally high for FEN says: "It's almost like working for a civilian station. The only difference is you wear a uniform."

One of the biggest complaints among regular FEN listeners is the frequent mispronunciation of names in the news. One woman broadcaster referred to Illinois Democratic "Senator Adelle Stevenson," instead of Adlai and another called Sen. Paul Laxalt of Nevada "Reagan campaign manager Paul Laox," substituting the name of a local discount store. "What with Iran and Afghanistan and all, reading the news has become more difficult," admits Burnett. "We can train them. But how do you know in advance that someone will go on the air and say, 'The Oath of Hypocrites,' as happened recently?" He blames much of this problem on the volunteer Army, whose ranks include fewer enlisted men and women with thorough educations, or who have previously worked in radio or television. "You get the kids with no broadcast experience whatsoever," Burnett says. "During the draft era, people with experience joined and served with AFRS." FEN and a similar network in South Korea are part of the Armed Forces Radio and Television Service. Burnett says he also has trouble convincing experienced hands to broadcast news. Most would prefer to be disc jockeys and play their favorite music - rock 'n' roll. "News is the main reason we are here," he says. "The entertainment is just sugar-coating."

In the Evening, the Far East Network concentrates on television programming, consisting almost exclusively of taped popular American shows transmitted by cable on US bases. "We just figure that at 6 in the evening, the TV switches on and we have lost our radio audience," says Burnett. Perhaps the most notorious incident drawn from the FEN archives is the series of radio bulletins broadcast on May 29, 1947 by two privates who reported that a giant sea monster was advancing; on the Japanese capital, impervious to bullets and grenades. English-speaking Japanese listening that night flooded the police telephone switchboards, and Japanese and US authorities were in an uproar. Finally, a network newscaster got close enough to interview the monster, who said he had come ashore to say hello to FEN, and then sang, "Oh, I'm the Reluctant Dragon," a tune from an animated movie at the time. Among those not amused by the incident was Gen. Douglas MacArthur, Commander of the occupation force, who directed an aide to call the station and then relieved the offenders of their broadcast duties. (Honolulu Sun-bulletin, October 1, 1980 via Dale Park)

ODDS AND ENDS: Well that's it for this month of Valentines and Presidents. Please contribute. We need all the help we could get. This is your column. If you want quality articles, only you can make it happen. In addition, when writing, please include a SASE. As you know, postage costs are high.

7/15/81
Arthur



SPEEDY CONTRIBUTORS

compiled by
DON JOHNSON



NUMBERS PRECEDING EACH NAME INDICATE HOW MANY COLUMNS REPORTED TO. AN "*" SIGNIFIES CREDITS GIVEN FOR A PRIOR MONTH. SECTIONS OTHER THAN SWBC/QSL/UTE & SKEDS ARE CREDITED DIRECTLY BY THE MEMBERSHIP CHAIRMAN.

| | | | | | |
|----|--------------------|-------------------|----|------------------------|----------------------|
| 5 | BRIAN ALEXANDER | PA.....R4 | *2 | CHARLEY HOFFMAN | PA.....FRG-7 |
| 1 | ROD ALEXANDER | IA.....SPR-4 | 1 | HANK HOLBROOK | MD.....HQ-129 |
| 2 | CLAUDE AUCTION | LA.....DX-160 | 1 | MARK HOLMES | IL.....DR-33 |
| *1 | DAVID AUDETTE | MA.....DX-300 | 2 | JERRY HOOK | FL.....DR-22 |
| 4 | R.W. AYERS | OH.....5100 | *5 | STAN HOTALING | NV.....RF-2800 |
| 2 | JAMES BARRETT | CA.....DX-300 | 1 | RON HOWARD | CA.....SB-310 |
| 2 | WILLIAM BEEMAN | OH.....RF-2800 | 4 | HOWARD HUDDLESTON | TX.....DR-7 |
| *4 | JERRY BERG | MA.....HQ-180 | *4 | CARL HUFFAKER | MEXICO...HOMEBREW |
| 4 | B-G SWL CLUB | NY.....RF-2600 | *5 | FRED JOHNSON | IL...ICF-2001 |
| 2 | JOHN BICKEL | CA.....RP-8880 | 2 | MICHAEL JONES | CA.....CRF-1 |
| 5 | NAN BINAU | MD.....RF-2900 | 1 | JOHN KAPINOS | MA.....FRG-7 |
| 1 | MARK BIXBY | CA.....FRG-7 | 1 | EMIL KASPRZYK | TX.....R4C |
| 2 | SANDY BLAIZE | LA...ICF-5900 | *4 | MIKE KETZIS | KS....R-1000 |
| 7 | RICKY BLEDSOE | MO.....DX-160 | 2 | TERRY KLA SEK | MO.....DX-160 |
| *3 | GORDON BLOM | NY.....DX-160 | 5 | LARRY KOPRIVA | CA.....FRG-7 |
| 4 | JIM BOEHM | TX.....FRG-7 | 5 | JOHN KOTSALKIS | OR...ICF-6700W |
| 3 | PHILLIP BOWERS | KOREA.....SSR-1 | 2 | PAUL KOWALSKI | WI.....SX-190 |
| 1 | PAUL BREWER | TN....RF-2800 | 1 | HENRY LAZARUS | LA.....SX-100 |
| 1 | CLIF BROWN | IL.....R7 | 4 | A. LECUONA | ARGENTINA...FRG-7000 |
| 1 | NATHAN BROWN | WA...ICF-5900W | *3 | JOE LEMMAN | RI.....FRG-7 |
| *4 | LYNN BURKE | VA.....SPR-4 | 1 | ROGER LEGGE | VA.....51J |
| 4 | LESLIE BYRON | NY.....PAT-9 | 1 | STEVE LEITE | MA.....HQ-180A |
| 3 | JOHN CEREGHIN | MD.....DX-302 | 2 | HANK LENTZ | PA....R-1000 |
| 1 | MIKE CHABAK | AZ.....HQ-180 | 2 | JAY LEVIN | NJ....RF-2800 |
| 2 | MICHAEL CHINAKOS | WA.....DX-302 | 4 | TERRY LINDLEY | AL.....DX-300 |
| 4 | MARK CHINSKY | NY.....RF-2800 | 3 | CHRIS LOBDELL | MA...FRG-7000 |
| 4 | LARRY COHEN | PA....RF-4900 | 6 | CLARENCE MAISE | LA....FRG-7 |
| 1 | WHEELER CONOVER | KY....RF-2800 | *2 | RUSS MAPPIN | WA.....FRG-7 |
| 1 | PETER CONWAY | ENGLAND.....51J-4 | 2 | PHILLIP MARSHALL | GA.....SX-73 |
| 3 | JOHN CREAMER | CO....R-1000 | 4 | RON MARSHALL | AZ...FRG-7000 |
| 1 | DAVID CRICHTON | TN....RF-2200 | 2 | TIM MCCURDY | CA.....FRG-7 |
| 5 | VLADIMIR CUCURA | PA...FRG-7000 | 1 | HUGH MCKSKIMMING | CA.....FRG-7 |
| *7 | RICHARD CUNEO | NY...FRG-7000 | *6 | BILL MILLER | CA.....DX-300 |
| 4 | LARRY CUNNINGHAM | OH...FRG-7000 | 3 | STEVEN MILLER | MA...RF-2200 |
| *5 | BRAD CUPPY | IN....RF-2600 | 6 | RANDY MOSS | CA....R-1000 |
| 1 | MARK CURNELL | OR....RP-8880 | *7 | RALF MUNSTER | GA....R7/DR7 |
| 6 | KEVIN DAVIDSON | SC.....DX-300 | 6 | DON NELSON | CA...FRG-1000 |
| 1 | HERMAN DEIBEL | CA.....? | 4 | KENNETH NESSLEIN | MO.....FRG-7 |
| 1 | LUCIEN DEKEYSER | CA.....FRG-7 | *1 | DAVID NEWKIRK | WA....R-1000 |
| 6 | JOHN DEMMITT | PA.TV/SIG GEN | 4 | ANDY NEWTON | GA....RF-2200 |
| 1 | AMEL DENNIS | CA.....? | 1 | MIKE NICKOVICH | IL....HQ-180 |
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| 1 | CHARLES GEORGE | TX.....SSR-1 | 3 | THOMAS PICARELLI | CA.....FRG-7 |
| 5 | FERNANDO GONZALEZ | NY.....FRG-7 | 2 | WILDER PICKARD | IL.....R-7 |
| *2 | MAXFIELD GREENWOOD | PA...FRG-7000 | 1 | JAMES POGUE | GUAM.....FRG-7 |
| *4 | PETE GRENIER | CA.....FRG-7 | 1 | RONALD POKATILOFF | IL.....SSR-1 |
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| 2 | MIKE HARDESTER | CA....R-1000 | 4 | GREG RAYMOND | MA...FRG-7000 |
| 3 | GLENN HAUSER | TN....FRG-7 | 2 | DAVE ROBERTSON | WA....A-2515 |
| 4 | RUTH HESCH | NY..FR-6600Jw | 1 | CRAIG ROCHA | CA.....FRG-7 |
| 1 | ROBERT HESS | OH.....SPR-4 | 4 | GARTH ROTRAMEL | AR.....? |
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| 4 | TOM HODSDON | MN.....FRG-7 | 1 | HAJO RUSSOW | GERMANY..ICF-5900W |

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| 4 JOHN SANDERSON | AZ.....R-1000 | 5 PEGGY THOMPSON | CA.....FRG-7 |
| 3 MARK SCHLESINGER | TX.....FRG-7 | 2 KIRK TRUMMEL | IL.....DX-300 |
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| *1 ALLEN SEITNER | VA....AX-190 | 2 TED VAN BEURDEN | CA.....FRG-7 |
| 5 GREG SHEPHERD | IL.....DX-300 | *1 ROBERT VIAU | QUE.....DX-300 |
| *5 TOM SMITH | FL....XCR-30 | 1 JOHN VOCKEROTH | NJ.....SX-190 |
| *4 TRAVER SMITH | CA.....NRD-505 | 1 JOHN WALTERS | NJ.....R-1530 |
| *1 PAUL SNIDER | ONT....DX-160 | 1 MICHELE WAMPLER | VA..ICF-5900W |
| *3 JACK SOMERS | CA.....R-1000 | *1 CLIFFORD WATERBURY | AZ.....R-100 |
| 1 C.M. STANBURY II | ONT.....? | 4 REX WHETZEL | IN....RF-2200 |
| 5 RICHARD STECK | IL.....FRG-7 | *4 WILLIAM WILFINGER | OH.....SW-717 |
| 1 LEONARD STOCK | CO....FRG-7000 | 1 THOMAS YINGLING JR | MD....RF-2900 |
| *6 WILF STONE | ONT....FRG-7000 | 4 BOB ZILMER | AZ.....R-1000 |
| 1 N. TAKAHASHI | JAPAN...NRD-515 | | |

Thanks to 155 reporters for their support this month. The above does not include direct contributors to Africa. We'll add those next month.....

Several members, both new and old, have inquired about the receivers listed on the contributors pages. In brief form we offer the following to help clear up the confusion of who makes what. The manufacture(or Brand name)is given, followed by the model numbers most often reported to the SPEEDX Contributors Pages. We hope it helps.....dj

PANASONIC RF-1150/2200/2600/2800/2900/4800/4900/5000..... DRAKE SPR4/R7/DR7/SSR1/R4(B & C)/SW4A..... GRUNDIG SAT-2100/3400/2000..... SONY ICF-6700W/6800W/2001/5900W/CRF-330K.... RADIO SHACK DX-40/100/150(A & B)/160/200/300/302/AX-190/SX-190/R-100/PAT-9..... HAMMERLUND HQ-180(A)/HQ-129/HQ-100(A)/SP-600.... YAESU FRG7/FRG-7000/FRG-7700..... SANYO RP-8880..... BARLOW-WADLEY XCR-30..... KENWOOD R-300/1000/1530/9R-59D..... NATIONAL NC-190/HRO-60/HRO-50T1..... HALLICRAFTERS SX-133/SX-73..... HEATHKIT SB-310/313/SW-717/GR-78..... COLLINS R-388/389/390/390A/392/513(4)/5-151-1A..... MCKAY-DYMEK DR-22C/DR-33.... RCA AN/FRR-23..... JAPAN RADIO COMPANY NRD-505/NRD-515..... PHILLIPS ARC-28/70....LAFAYETTE BCR-101..... TECHNICAL MATERIALS GPR-90..... EDDYSTONE 830....

SELL - SEEK - SWAP

(NO collect calls to any of the following!)

FOR SALE FRG-7, \$190.00 for a quick sale. Like new, hardly used. Erasmo Vergara, 3000 Leeward Avenue, #819, Los Angeles, CA 90005.

FOR SALE McKay/Dymek DA-100 amplified antenna. Good condition. \$65.00 pp. Thomas Adams, P.O.Box 1165, Midland, MI 48640.

FOR SALE FRG-7000 w/2.9 mechanical filter, manual & original carton. \$475. Mizuho AP-M1 Audio Processor(Notch & Bandpass filter)\$30. Mauritz Swenson 13450 Hwy 8, #44, Lakeside, CA 92040. (714)561-4398.

FOR SALE RF-4800. Ex condition w/manuals. \$300 pp. Drake TR-4 transceiver w/MS-4, power supply & Shure 444 desk mike. All new tubes. \$425. Tom Warrenburg, Rt 3, Box 625, Delavan, WI 53115. (414)728-3048 2200-0400 GMT.

WANTED Gilfer GAR-7 Digital Readout. Tom Picarelli, Box 425, Sunnymead, CA 92388.

WANTED National HRO-500, Hallicrafters SX-62 or SX-62A. Must be in good shape and clean. Peter Pompe, 38 Val du Prince, B-1950 Kraainem, Belgium.

WANTED Manual or copy of manual for Hallicrafters S-108. Don Smith, 4516 102nd Street, Oak Lawn, IL 60453.

FOR SALE RIB, 12 issues(9/79-8/80). Popular Electronics, 13 issues(8/79-8/80). All perfect condition. \$30 pp. Steve Kern, 4328 Noeline Avenue, Encino, CA 91436.

FOR SALE Kantronics Field Day 2 teletype/morse decoder. Brand new, still under warranty, works perfect. Cost \$465, sacrifice for \$325 pp. Robert Ruckman, 3875 Villanova Drive, Kettering, OH 45429. (513)299-3931.

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