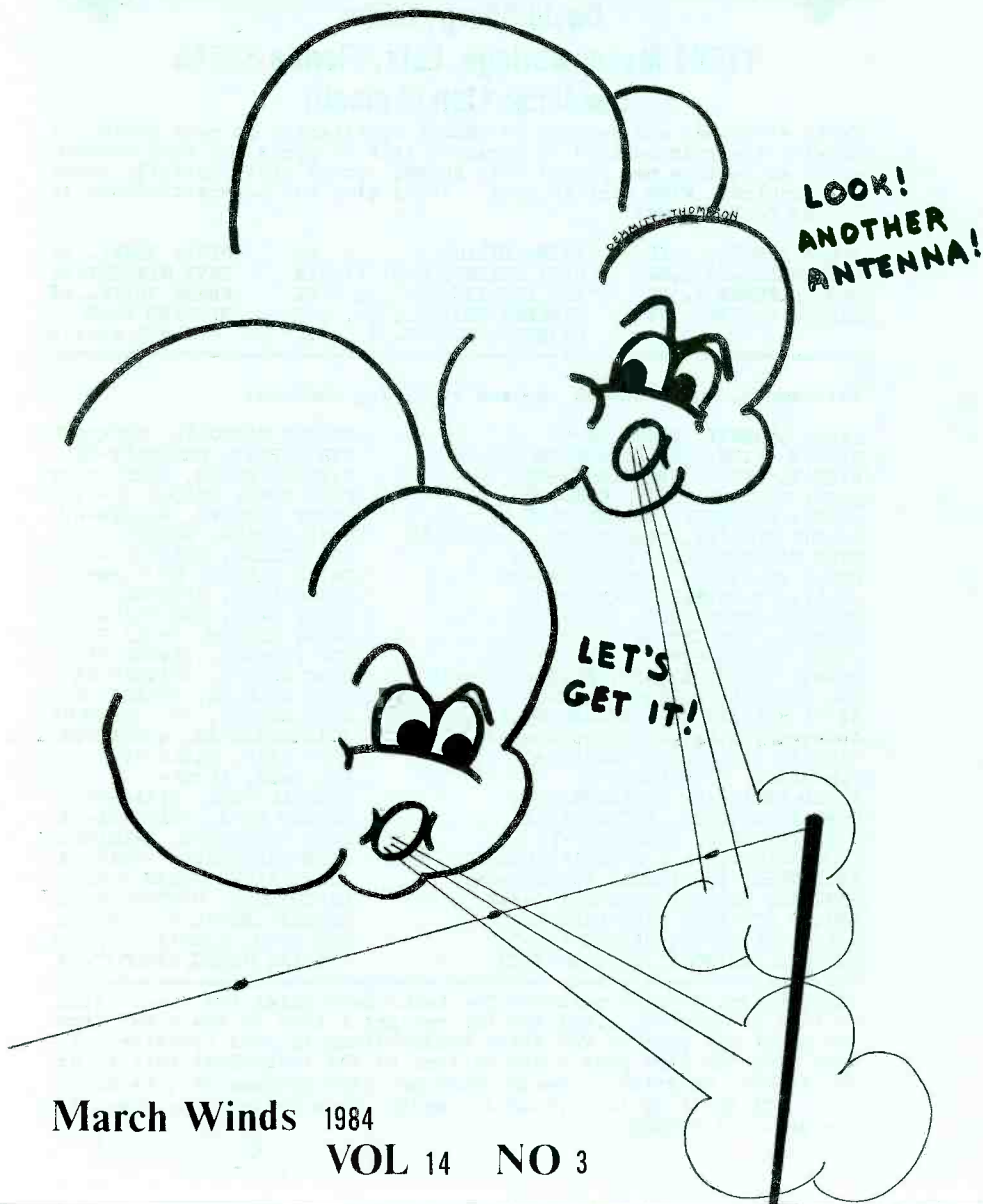


# SPEEDY

## SPEEDX

the dx radio magazine  
for active shortwave listeners



March Winds 1984

VOL 14 NO 3

# SPEEDX SPOTLIGHTS

THESE SPECIAL DX'ers and SWL's

David Sharp, Editor

17602 Meadowbridge, Lutz, Florida 33549

Deadline: 12th of month

Hello everyone, and welcome to SPEEDX Spotlights. In past months, I imagine everyone noticed an apparent lack of space for this column. Well, we begin a new format this month, which will hopefully solve our problem. With that in mind, let's give our congratulations to 13 new Full Members!

STEVE ABBOT.....IL  
FRED BELGAUS...NJ  
GARY BLEDSOE...FL  
MARCOS CACERES..NY

PETER DILLON.....PA  
HANI DRAVE..Saudi Arabia  
TOM FLEMING.....FL  
VINCENT HEVERN.....??  
CHARLES HODGSON..S. Afr.

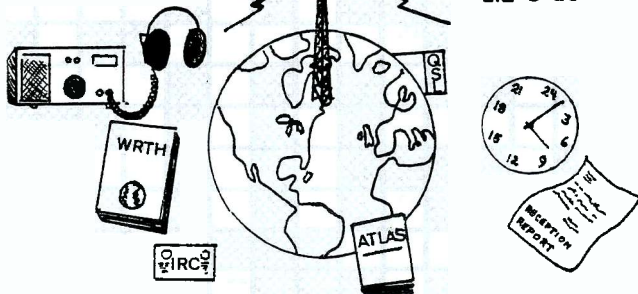
JIMMY RENN...WA  
DAVE ROBERTSON.WA  
FRANK WEIKEL.MI  
RICHARD WOOD  
Saudi Arabia

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This month, there are 54 new and rejoining members!

LARRY GARRETT, BUENA PK-CA  
ARTHUR SMITH, CHELMSFORD-MD  
MICHAEL PYZOHA, ROCHESTER-NY  
DAVID CROCKWELL, Mt. KISCO-NY  
JOSEPH BRODECKI, MINNEAPOLIS-MN  
ROBERT CHESTER, CHELTENHAM-S.Australia  
MIKE MANDERSCHIED, BENISIA-CA  
ODELL ROBINSON, PRUDHOE BAY-AK  
WILLIAM McDOWELL, RALEIGH-NC  
ZYGMUND GRZYWINSKI, TAYLOR-MI  
CHARLES FITZSIMMONS, AKRON-OH  
JIMMY BLAKENSHIP, CLEAR FORK-WV  
ROBERT FORRESTER, Jr, Eielson AFB-AK  
REX WHETZEL, WOLCOTTVILLE-IN  
KEVIN CULBERTSON, BREMERTON-WA  
DUBBERLEY'S ON DAVIE LTD.-Canada  
RICHARD TRUEBLOOD, NEWHALL-CA  
TIM TYLER, BIRMINGHAM-MI  
DAVID SNELLMAN, DOYLESTOWN-PA  
HAROLD LANGLOIS, LITHONIA-GA  
R.D. CAMPBELL, SWISSVALE-PA  
JACK COWART, Jr., JACKSONVILLE-FL  
KATSUTOSHI YOSHIMURA, TOKYO-Japan  
YASUHIKO MATSUI, KITAWAKI-Japan  
EDWARD ROMBERG, MILWAUKEE-WI  
SHAWN SYLVESTER, MATHER AFB-CA  
QUENTIN FERRELL, RICHARDSON-TX

ROBERT MARGOLIS, SKOKIE-IL  
TED GURLEY, BEAUMONT-TX  
CARL HUFFAKER, MEXICO CITY  
PAUL EGAN, LONDON ON-Can.  
TERRY MEADOWS, WALKER-WV  
NEIL JOSLUN, WAUKEGAN-IL  
BOB YELLEN, MONROVIA-CA  
DAVID MACKES, BALTIMORE-MD  
IAN CALDER, BETHESDA-MD  
SAMMY NEAL, CLEVELAND-TX  
LARRY MILLER, MEDIA-PA  
ROY JOHNSON, NAPLES-FL  
MARC PEARCE, ANAHEIM-CA  
JOHN COLLINS, SOMERS-NY  
EVAN NEWLON, Ft. WAYNE-IN  
JOHN SCHAEFER, AUSTIN-TX  
JEFF MAYS, CARLSBAD-CA  
ROB HART, ALTON-IL  
RUSSELL FOSS, HIRAM-ME  
ROBERT POPE, PORTLAND-OR  
JOHN PARMENTER, RALEIGH-NC  
JOHN OBENCHAIN, POWAY-CA  
JAMES MANN, GREEN POND-NJ  
DAVID LANG, WATERFORD-CT  
ROBERT BROCAR, NEW HAVEN-CT  
KEN WONG, BURNABY BC, Can.  
CHARLES MASON, MENLO PK-CA

=====  
There ya go, 54 fine members! You folks have taken the first step to full membership... and you too can get a look at the view from the top of the page if you start contributing to your favorite columns. You can send your contributions to the individual editor, or all of your material to Peggy Thompson, 2706 Alabama St., La Crescenta, CA 91214 by the 6th of the month. Hope to see your name in the pages of SPEEDX!

**DX****MONTAGE**

DAVID SHARP  
17602 MEADOWBRIDGE  
LUTZ, FL 33549

DEADLINE: 12th of  
the month

contests\*club info\*tips  
anecdotes\*humor and fun

Hello, and welcome to another month of DXM. As I type this column, it's Gasparilla Day in nearby Tampa. There is a big parade (it almost got rained out) and a moch pirate invasion of the city. So things here in Hillsborough County are quite festive at present. Lots of great contributions this month; your support of the column is greatly welcomed and appreciated here. Continue the good work, SPEEDXers!

Many SPEEDXers are interested in chasing Soviet DX, and Robert Palmer-WA says URSC publishes an excellent bulletin. Entirely devoted to DXing the Soviet Union, the bulletin contains the latest information from some of the top DXers. Sound like a hard sale ad? Not really, but I can honestly say their bulletin is one of the best I've seen. If you'd like more information, then write to the URSC at: P.O. Box 14, Gifu-kita, 502 Japan. You'll be glad you did! ds.

Station review... Radio Moundou, Chad: Radio Moundou, located just a stone's throw away from the Central African Republic, was inaugurated in February of 1979, after the larger station in N'Djamena (then Ft. Lamy) was damaged from the civil war. The station's objective is to unite the peoples of Chad in a common solidarity. Interestingly enough, Radio Moundou, legally, does not exist, as RM's engineer, Dorong Guela Ketchoua states, "because the Chadienne Government wants it that way." Makes one want to raise his brow, doesn't it?

The transmitter used has a nominal power of 5kw, but they are currently using only 2.5 kw. The transmitter is almost worn out, but the people at Radio Moundou work hard to keep their equipment operative. This in itself is a chore, as Chad's war with Libya has drained an otherwise normally fragile economy. As such, Radio Moundou is unable to improve or extend broadcasts more than a few hours a day.

Nonetheless, Radio Moundou is hoping to acquire a 20kw transmitter, to "ensure coverage on a national and international plan." Everyone there remains optimistic...."we should obtain the transmitter this year if God permits and our hopes come true, if we reach peace, unity, and progress in this Central African country of Chad."

Currently, Radio Moundou broadcasts on variable 5285 kHz, from 0500 to 0800, and 1400 to 1800 GMT. News in French is at 0545, and news in Arabic, vernaculars, and French is heard at 1630. (This provided from a recent veri received by ye ed.)

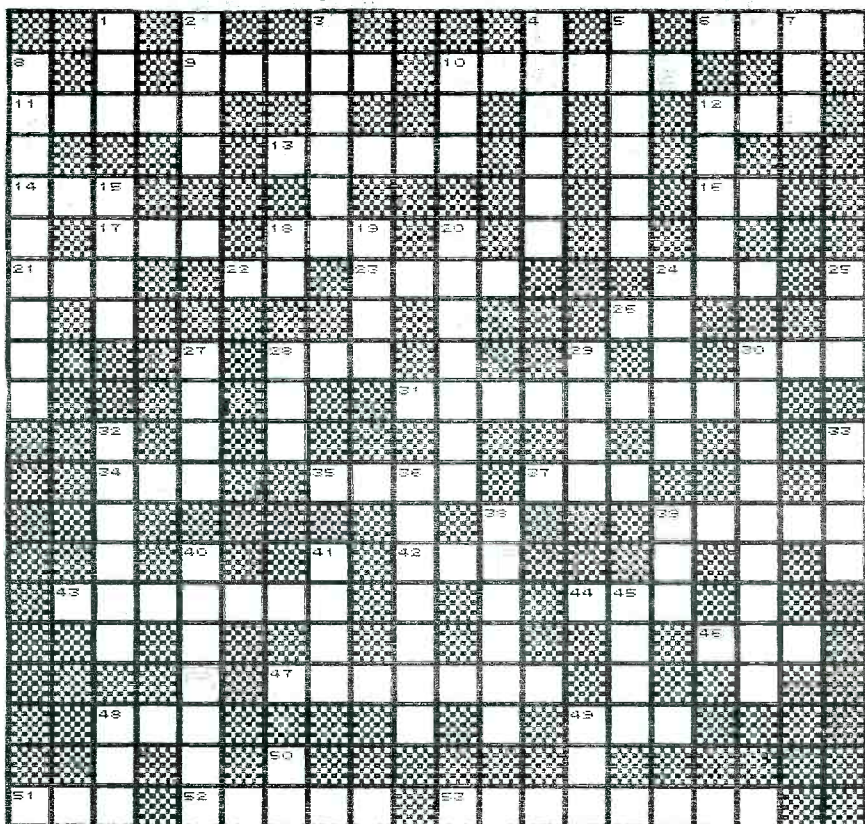
Mr. A. Nonymous strikes again! Peggy Thompson and ye ed would like to thank Mr. A. Nonymous for the stamps he sent our way. They were very much appreciated! ds.

UTE DXers take notice! We are adding to our coverage in the SPEEDX-Gram, so would like "hot" items that are newsworthy. To cover the growing field of UTE DXing, we would appreciate your late info on what is new on the UTE bands. Send regularly heard stations to Mike Chabak. Send a new station/new frequency or whatever else you deem to be of major interest to our Gram ed., Bob Bodell, 9118 SE Mason Hill Dr., Portland, OR 97222. Get your info to Bob by the 15th; the Gram is mailed around the 20th so the turn around time is very short. It may take awhile to get the UTE info arranged, so please be patient! If you do not subscribe to the Gram, why not get more info from Don J. in Elsinore? Really a great way to stay on top of hot DX news! ds.



HAPPY ANNIVERSARY MOM AND DAD!!!!

-THINGS THAT SHOULD BE POSTPONED USUALLY ARE-



**ACROSS:**

6. Sine, short, or hair
9. Costa Rica biggie
10. On your toes
11. Able
12. Train or radio (abbr)
13. American umbrella org.
14. Help
16. Wait for it!
17. Based in Geneva
18. The State of the.....
21. Latin UN
22. 88 to 108 MHz
23. A long tale
24. Wallpaper
26. Signs on w/dancing knapsack
28. Former Arab state
30. Time
31. For general consumption
34. Sends high thoughts
35. 90 miles south of Miami
37. From Montreal
39. Hobby or sport?
42. Little devil
43. Makes R-2000
44. Monaco station
46. Hum or whistle
47. Radio Free invaded
48. Short form of SINPO
49. Owner of WRNO
51. Sail
52. Reporting code
53. Australian capital.

**DOWN:**

1. Spain's main
2. Handbook
3. Vlad's last name
4. Site of KNLS
5. Tape
7. Official U.S. station
8. Reggie Jackson's favorite brand
10. Monty Python's favorite sta.
17. Chocolate or cheese
15. Computer storage medium
18. USB+carrier+LSB
19. Do this to rpt slips, but evenly!
20. Has talking drum
24. Arab station
25. Regulator
27. J DOWN's home
28. Independent in 1776
29. European counterpart of 13 ACROSS
30. Non-broadcasts
32. RIBer
33. La Voix de la Nouvelle Marche
36. Ex-Peking
38. A favorite DX club
39. German East Germany
40. Swiss treats
41. Ex-NNRC
45. World Wide Rock
48. Upper or lower
49. Work
50. World wide organization

Pin the Tail on Ye Ed: Last month, I wanted to know the more common name for "Kalaallit Nunaat." The answer, of course, is Greenland. Winner of the Vatican First Day Cover is Terry Provance-OH; Peter Card-RI will be getting a Radio Bucharest pocket calendar. Now, this month's competition: On the preceding page is a crossword puzzle (a composite of work by Ruth Hesch and Tom Sable-NY; thank you both! ds.). The person who can complete the most of the puzzle will receive a First Day Cover from Mauritius. In order to qualify, I will need a photocopy of the puzzle, and as always, the deadline is the 12th. All who enter will receive a membership credit.....ds.

Costa Constantinides of South Africa says he would like to tapespond (where did you dig up that word, hi! ds.) with DXers in Japan, India, and Indonesia. Easy listening AM or FM stations. He has tapes to trade of the U.S. and Europe. If interested, then write Costa at: 15 St. John's Rd., Houghton 2196, Johannesburg, South Africa.

Mark W. Johnson is doing research on Radio Swan. If you know anything about this station, Mark would be very eager to hear from you. Contact him at: Box 251, Fairfield, Idaho 83327. Another SPEEDXer needing help is Richard Flaisdell, who would like to start a local DX association with other DXers in Vermont. Those of you interested should get in touch with Richard at: 6 Diamond St., St. Albans, VT 05478.....

Ever wonder how the VOA hires their announcers? Via Ralph Famularo-NJ comes the following want ad, as noted in the New York Times: Voice of America seeks candidates with fluency in Arabic and English to work in Washington, D.C. as Arabic language broadcasters. An excellent command of English is required. Broadcasting exp is preferred. Translation (English/Arabic) and voice examination is required. Starting salary ranges from \$20,256 to \$24,508 per year.....(So that's how! Hi!.....DS.)

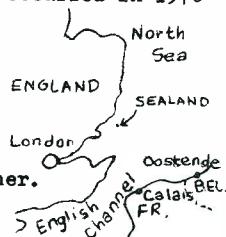
Amateur Radio Ops go to Sealand: ARO's, in the never-ending search to put a new country on the air, recently went to Sealand, the smallest country in the world. The amateurs, who had the S1 call, went by ferry to this little-known country off the coast of England.

Sealand is an artificial island built by the British during World War II, but it was never dismantled. In early 1967, a group of people, including Roy Bates and his family went out to the island and took possession of it. On the 2nd of September, 1967, it was proclaimed the independent "Principality of Sealand," and Roy Bates and his wife became the Prince and Princess of Sealand. Passports, coins, stamps, etc. were later adopted. Following quarrels with authorities, Roy was summoned to appear in several British courts, but in each case it was determined that Sealand was not within British jurisdiction.

The only "nationwide" crisis which shook the small state occurred in 1978 when the previously-dismissed foreign minister successfully launched a coup d'etat. But his interregnum did not last long. After only six days, the principality struck back. A rapid deployment force of four people returned by helicopter and retook possession of the platform.

A public session of the Sealand Court of Justice sentenced the leader of the coup to seven weeks of detainment. After that, he was finally allowed to leave the country. Since then, the history of Sealand has been much smoother.

(Via John Demmitt-PA, from a recent 73 Magazine article by Bernhard Lurssen, DF2AO)



Well, since there is a bit of room left, I guess it's about time to reintroduce myself; I have been a DXer since the latter part of 1975. I have been a member of SPEEDX for around two years, and have edited this column for about a year. I have heard well over 200 countries, and have nearly 130 verified, this after two years of serious QSLing.

I am seventeen years old, and attend a local high school in Tampa. I'm lousy in math, but have a keen interest in history and English. I hope to attend the Univ. of South Florida next year, and hopefully, major in broadcast journalism.....

The end of the page is coming up quickly, so will thank Bob Wilkner-FL, Mike Harris-OH, Woody Seymour, Jr.-NC, and Craig Rocha-CA for their most enjoyable phone conversations (Craig, I seem to remember reading somewhere that you have a NYAB QSL. Congrats, OM!! ds.). Until next time, all the best. Hope to find your contribution on the 12th!

CRACKER COUNTRY: If there's a flurry of noise on 3290 at 1900, it must be Tristan! (From Mike Harris and FRENDX)

David 5

# Tips and Topics

THE FEATURE SECTION OF SPEEDX

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

## TECHNICAL ROUNDUP

### CABLE SHIELDING

by Morris Pfeffer, NY

The type of coaxial line which is most common consists of an inner conductor surrounded by polyethylene insulation. Copper or aluminum braid is woven over the insulation to form the outer conductor and this is covered with a waterproof vinyl covering. The outer conductor braid is generally used as a ground line and also has to function as shielding against interference. When interference is absorbed by this shielding it does not all dissipate but induces a current in the outer conductor. This current is carried to the ground connection and we have led at least some of the interference into the circuitry. Shielding should be grounded separately.

There are other types of cable which are much more resistant to interference. They have an internal wire pair consisting of a main conductor and a ground line and are surrounded by further layers which act only as shielding. I will be discussing the properties of these types of cables. However, there is no cable type discussed here which is effective in shielding against low-frequency magnetic fields.

The most commonly used measure of shielding effectiveness is transfer impedance. Part of the interference energy is reflected from the shielding, part is absorbed by the shielding and part of it penetrates the shield. Whatever does get through generates an interference voltage in the cable circuit and the current flowing through it. Transfer impedance is the ratio of interference voltage to interference current. The lower the transfer impedance the better the circuit. Transfer impedance is usually given as milliohms/meter. One other important factor is the optical coverage of the shielding. This is the actual percentage of the inner insulator surface which is actually covered by the shield.

The table shows the transfer impedance of some typical cable shieldings. Below 0.1 MHz transfer impedance is equal to DC resistance. As frequency increases current tends to flow along the surface of the shield (this is the skin effect) which is seen as a reduction in transfer impedance. When a high enough frequency is reached, magnetic fields are produced in the shield and transfer impedance rises again.

TRANSFER IMPEDANCE, FOR VARIOUS CABLE SHIELDS, BY FREQUENCY.

Shield	0.1 MHz	0.3 MHz	1 MHz	3 MHz	10 MHz	30 MHz
Copper tube	2	1	0.3	0.1	0.1	0.1
Multilayer foil and/or braid	5	2	0.8	0.2	0.3	1
Braid	10	10	8	20	70	150
Spiral	80	300	1000	1000	1000	1000
Foil	80	80	80	90	110	200
Stainless-steel tube	200	200	200	150	90	10

Copper tube is undoubtedly the best shield. It has 100% optical coverage and is an excellent conductor (the transfer impedance rises at higher frequency still stays below 0.1 milliohms/meter). However, it presents very serious cost and installation problems. Stainless steel tube is, overall, very poor shielding. It is a nonconductor. There is no transfer impedance rise at higher frequencies because of its poor magnetic properties.

Spiral shield consists of copper strands wound around the inner insulator. It can produce up to about 97% optical coverage. However, it is highly inductive and produces longitudinal magnetic fields which make it useless above 0.1 MHz. However, it is cheap and easy to terminate.

Braided shields can also produce up to 97% optical coverage. The oppositely wound strands produce compensating magnetic fields so transfer impedance increases do not start until about 1 MHz. It should be realized that this same magnetic field induction

will happen in the common two-layer coaxial cable mentioned in the first paragraph, Dense braiding is best but expensive. Its not easy to make braid.

Foil shielding consists of aluminum foil laminated to polyester tape or bonded directly to the inner insulation. Generally, the foil is only 0.3 to 0.4 mil thick which leads to high resistance and all the problems associated with that. Usually a bare drain wire is put next to the foil to draw off current but, even so, simple foil shielding is not that effective. One of the early problems with foil shielding was lack of electric continuity between successive wraps. The adhesive or backing was acting as an insulator and creating a spiral slot that allowed interference penetration this was solved by means of the shorting fold. The metal was bent back so there was metal-to-metal contact at the fold.

More recently, cables are being made with multiple shielding layers. Ethernet cable has a polyester-backed foil bonded to the inner insulator, covered by a copper braided shield, covered by a two-foil shield on a common backing with another braided shield on the outside. Its transfer impedance falls steadily up to 30 MHz. CATV cables are better yet, with only three layers (bonded foil/braid/foil with shorting fold). Their transfer impedance continues to fall up to 80-100 MHz. Multiple layer shielding yields performance that begins to resemble that of solid-wall copper tubing. Interestingly, these cables can cost significantly less than the best braided shields because the foil produces 100% optical coverage and cheaper braid with 40-80% coverage can be used. They still will be more expensive than the run of retail coax. The largest problem is that these cables are not available in 50 or 100 foot retail packages. They are marketed and distributed to large commercial users. You would have to find someone willing to take the time to sell you a short length (like a single spool).

Tests that have been made seem to indicate that shielding which protects a cable from interference is equally effective in preventing emission of interference from a cable.

The best method of installing common two-layer coax is separating the chassis and circuit/shield grounds and reducing the number of ground connections to the shield to a minimum. Chassis-mounted cable connectors should be insulated from panels and connected to circuit ground. When shield(s) and circuit ground lines are separated it would be best to use a separate earth ground for the shields.

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EXALTED CARRIER FOR BETTER SHORTWAVE AUDIO

by Ronald Fokatiloff, IL

A transmitter mixes a carrier at radio frequency, with a signal at audio frequency. For example, you mix or heterodyne the radio frequency of 10000 kHz with an audio tone

of 1 kHz and you get the difference and sum of these two frequencies. The difference is 10000 - 1 kHz or 9999, which is the lower sideband. The sum would be 10000 + 1 kHz, or 10001, which is the upper sideband. Both sidebands have the same 1 kHz audio tone. In AM mode the carrier and both sidebands are transmitted. Your receiver demodulates, or removes the audio from the carrier.

Say we have a shortwave broadcast station sending 2.5 kHz of audio at the carrier frequency of 15300 kHz. The bandwidth of the signal would be 15297.5 to 15302.5 kHz. For 2.5 kHz of audio we need 5 kHz of bandwidth since the upper and lower sidebands are the same. If our radio has an AM bandwidth filter of 5 kHz centered, then 2.5 kHz would be over the lower sideband, and the other 2.5 kHz would be over the upper sideband. This correlates with the audio being sent. If there is interference and we switch in a sharper, 3 kHz filter, centered in the passband, then only 1.5 kHz would be over each sideband. So only frequencies up to 1.5 kHz would be heard and our double sideband AM signal will sound bassy. If we have the Drake R7A radio, we could move the 3 kHz filter over one of the sidebands and pick up the higher frequencies (with less bass however). It is wise to pick the sideband with the least interference. On most receivers, we are forced to detune slightly to put most of the filter over one sideband.

Now the problems of sending and receiving good wide frequency audio over shortwave. One difficulty is that broadcast stations are spaced at only 5 kHz away from each other, which limits the audio bandwidth to about 2.5 kHz. (I figure many broadcasters are sending a wider range of frequencies.) A bigger problem is fading. If during a fade the carrier level of a station dips too low, your radio will lose detection of the signal, and distortion will occur. There is a way around this difficulty—you can switch on your BFO to be used with wide AM filters. My McKay Dymek DR33C can be used, with mixed results. Sherwood Engineering has a device called a PLL detector which locks onto, and replaces the transmitted carrier. Eska of Denmark has a crystal controlled portable with a similar set up.

Now we come to selectable single sideband. We can avoid the problem of the carrier and BFO not being exactly in phase by placing the filter over one sideband only. (Our only choice on most radios anyway.) This will give us a clear signal, but with a loss of

bass from the missing sideband. Also, most radios only allow a very narrow filter to be used with single sideband. However, if the filter is too wide, some of the carrier/BFO mismatch distortion will be picked up. (As a footnote, I may add that picking the sideband with the least interference, and using a narrow filter, has obvious advantages, especially in getting rid of TV "buzz saw" interference.)

You may have already come to the conclusion that we can solve a number of problems by getting rid of the transmitted carrier. This is what happens in single sideband transmission where one of the sidebands and the carrier are filtered out at the transmitter and the receiver reinserts the missing carrier by using the BFO—our fake carrier. On a simple radio, like the portable Sony ICF 2001, you only have one filter, centered over the spot where both sidebands should be. On the Sony, you pick up transmitted upper sideband, for instance, and half of the filter will be over the upper sideband, which has the signal. The other half of the filter would be over nothing but noise. If a broadcast feeder is sent, with a different signal on each sideband, you would hear both signals at the same time on the 2001. The Dymek DR33C has identical filters—one for each sideband. You simply switch to the proper filter, or you can go to an AM filter over both sidebands, which is handy if you don't know which sideband has the signal. Some sets allow you to place the single SSB filter over the correct sideband without detuning (Drake SPR-4). Most receivers require you to detune.

The international broadcasting community wants to change over to single sideband to increase frequency space. But this would mean hindering the audio quality. The best thing to do, I think, is to send a double sideband signal with reduced carrier—just enough carrier for the BFO-detector to lock onto. Wider audio—maybe stereo (one sideband for each channel)—would result, with no fade distortion. But this will take up scarce frequency space. Maybe there is a way to send only one sideband reduced carrier and improve the audio with bass boost or whatever. One of the reasons the ICOM R70 has good exalted carrier audio is because it has very heavy bass and less treble in regular AM mode.

This discussion should lead you to realize that equipment companies have done everything in their power to hinder good audio.

Some Examples:

1. High distortion audio amps are used.
2. Filters and BFO can't be used independent of mode.
3. The firms never mention exalted carrier in their manuals or other literature (except the old Squires-Sanders).
4. Outfits like Sony and Panasonic add relatively useless computerized aids to their sets, but they can't even install selectable sidebands.

Finally, radio electronics is an area that most people know very little, and the equipment firms do a great job of exploiting this. I hope this article makes you a little smarter when it comes to buying equipment.

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 COMPARISON OF THE ICF-2001 TO THE 7600A

by Ruth Hesch, NY

I cannot evaluate a receiver technically but can make a comparison as to reception. While visiting California I had the opportunity to use an ICF-2001 and a 7600A. They

were placed side-by-side on a desk in front of a window facing east, about 8 feet from the ground, about 15 feet from the back of another house behind which was a narrow clear space to the street. It was the evening of October 8, 1983, a different electrical outlet was used for each and their own telescopic antenna. I was in Pacific Grove, in Northern California.

<u>KHZ</u>	<u>GMT</u>	<u>PROGRAM</u>	<u>7600A</u>	<u>ICF-2001</u>
15105	2328	SS, mx, DW	red light showing no QRN	Signal Strength did not register, QRN
15100	2333	FF, mx, sta.?	red light, good reception, some QRN	No reception at all
15145	2340	EE, rel. pgm. WINB to W. Eur. & Med.	red light, good reception	very poor recpt.
15215	2348	SS, hymns, Family Radio	red light, good reception	Signal stgth did not register, much QRN
11740	0007	EE, nx, VOA	red light, no QRN	Signal stgth did not register, much QRN
11760	0009	SS, talk, sta. ?	red light, strong reception	Signal stgth did not register and very difficult to hear



11780	C034	Lang.? mx, poss. Brazil	red light, strong reception	Signal Strength did not register, much QRN
11880	G039	EE, nx REE	red light, some QRN	Signal Strength did not register, much QRN

There were stations that registered on the Signal Strength Meter of the 2001, like the "powerhouses" directed to NA, but I chose these to report to show the difference. This meter worked fine on AM and FM. I did not like the silver readout on the 2001 and had to use a small flashlight to read it as the back of the radio was toward the light. It was not easy to decipher the frequencies on the 7600A. On one station the 2001 read 11760 and the 7600A was on the 11750 mark. The audio on the 7600A was excellent. I was very pleased with the SW performance of the 7600A as I did not expect it to be a DX "giant". For both, using the electricity was superior to the new batteries, by far. Not having a WRTH with me I felt as if I was "fishing" for stations on all waves. Selectivity could be better on the 7600A, but it was bothersome only once in a while.

There was not a connection for an external antenna on the 7600A and probably for the reason that such would possibly overmodulate it. The base of the 7600 could be "squared off" to make it steadier. The frequency markings were not accurate on the 7600A for AM and FM either. I heard KIDD which is on 630 kHz at the bottom of the 700 kHz mark and KMBY-FM on 107 MHz was on the 108 MHz mark. However, if an improved model has a LED readout and better selectivity, I will be a customer.

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## BBS

THE UBIX BULLETIN BOARD SERVICE

by Fred Osterman, OH

More and more today, shortwave listeners are finding new and creative ways to use personal computers in the DXing hobby. About three years ago, I bought an Apple II computer. Soon after this, I learned the BASIC language, and wrote several programs which help me keep records of what I have heard, and WHAT I WOULD LIKE TO HEAR, on shortwave. Keeping these sorts of records on a computer is 1000% more efficient and time-saving than my older methods involving 3x5 cards and hand-written notebooks. I also have programs that perform shortwave oriented calculations for me, such as sunrise/sunset times, beam headings, and MUF determinations. In addition, I have a program that compiles my monthly loggings and prints them in the various club reporting formats for submission to club loggings sections.

In early October, I added a goody to my computer system which has opened up a whole new world for me. That item is a modem, a device that allows a computer to communicate over a telephone line. With a computer and a modem, your computer can "talk" to other computers. At about the same time as I bought my modem, Universal Amateur Radio of Reynoldsburg, Ohio set up what is known as a computer bulletin board system, or BBS. In general, BBSs are on-line information systems which can be contacted using a computer and a modem. Universal's BBS, which is called UBIX (Universal Bulletin Board & Information Exchange) is dedicated solely to the exchange of radio related information by communications enthusiasts.

The folks at Universal use their computer (a Radio Shack model) during the day for business purposes, but in the evenings (from 8:30 pm till 9:00 am Eastern Time) they turn it over to radio hobbyists! During these hours, anyone with a computer and a modem can call into UBIX. The system has a variety of features for SWLs. Probably the most exciting section of the system for me is "SWL Tips." SWL tips are loggings left on the system by UBIX users. It works just like a shortwave bulletin, except that there is no publication delay! People can leave tips on the system, or just read other people's loggings. The loggings appear sequentially from lowest to highest frequency. Each time you use this section, you have two methods you can use. You can read all of the loggings currently in the file, or read only the "new" loggings. Let's say you read all the tips on Monday and then call back on Friday. On Friday, you can elect to read all the tips again, OR just the "new" tips (tips left SINCE Monday). This can be a real time saver. The big advantage of all this is simple: instead of getting DX tips that are weeks or months old you can read loggings only a few hours or days old!

Another exciting feature is the electronic mail, or E-mail," section. Using E-mail, you can exchange information and messages with others who use the system. I have already made several new friends in the radio hobby using this E-mail facility. You can get a list of people who have become users of UBIX (and who you can send E-mail to) by using the USER LIST facility. In addition, each user can enter a short "biography" for himself or herself which serves as an introduction to other users of the system. Other sections of UBIX include NEWS & NOTES, SALE ITEMS (at Universal), and MESSAGES TO UNIVERSAL.

I have found the system a lot of fun to use, and a valuable way to exchange current DX information. I hope that more computer-equipped DXers will get on the system, since

the more users there are, the more valuable the system becomes. There is NO CHARGE for using UBLIX, and Universal will send you a free user's manual for a SASE. Their address is: Universal Amateur Radio, 1280 Aida Drive, Reynoldsburg, Ohio 43068.

1984

1984--WORLD COMMUNICATIONS YEAR LIVES ON PART I

by Phillip M. Dampier, NY

Here we are, three months already into a new year of exciting DXing and shortwave listening. Technology is continually improving and although 1983 was designated World Communications Year, in the quickly expanding field of shortwave listening, every year is World Communications Year. Just a few months ago Telecom '83 ended. This convention has brought several new inventions which will indirectly help to serve our shortwave hobby.

Firstly, we should all commend Sony, perhaps the most radical when it comes to taking risks in the shortwave receiver field. The new Sony ICF-2002 will open a new generation of well equipped DX machines that will fit our pocket book. We can say goodbye to those huge Grundig receivers and say hello to the efficient and simple to operate portable receivers with table-top receiver specs. Another manufacturer to watch out for this year will be the ICOM Corporation, which has done very well with their relatively inexpensive ICR70 receiver which is probably the most inexpensive quality receiver we shall see in a while. 1983 was the year that the GE World Monitor II received some publicity from the WRTM as well.

What is planned for the future? The blind will be pleased to learn that new generations of receivers with talking functions are already here. With a voice synthesizer, no longer do the blind have to guess what frequency they are tuning.

The Telecom convention announced a new machine that is something right out of Star Trek. A machine that will translate any spoken language into another language. A demonstration was given where a spokesperson read a statement in English into a microphone followed by a short pause and the statement being translated into Spanish. Just think of the implications of this unit! In a year or two the design will probably be improved to bring instantaneous translations from one language to another! Most likely this unit will be in great demand by those who travel overseas for conversation with someone abroad in two different languages. This unit would be a boon to SWLers as if it could be hooked up to a shortwave set, we could tune into a broadcast not in English and have it instantly translated into English. What a hot item for those Latin American DXers. No more guessing about program details and this would also allow the typical "mono-lingual" person to tune in and enjoy Latin American music with news and commentary. Undoubtedly, this would allow a larger selection of stations to choose from.

In other developments, the use of satellites and relay stations continue to improve the quality of signals that we hear on shortwave. More and more satellites are being used to bring better quality shortwave transmissions to relay stations. We can expect more stations to take part in cooperative relays in the future where more than one station will relay programs from a single transmitter. The biggest plans for these relay stations are to help reach the relatively isolated U.S.A. Stations like Radio Japan are planning to dump millions into their shortwave service in relay stations and the like and set up a shortwave service that will rival the BBC. "This is the World Service of Radio Japan" I wonder what time chimes they plan to use!

Of course Radio Deutsche Welle has been planning their new Asian relay station for some time and we may see that pop up any time. And remember, Radio Netherlands is still building their Flevoland transmitter complex which will bring welcome technical improvements and signal improvements to Europeans.

Other stations are helping countries, especially in Africa, get their own broadcasting stations in shape. Radio Japan is assisting Africa #1 and in return they were able to test their Radio Japan programs over this station. Excellent signals were commonplace for US listeners so we may be able to say goodbye to Radio Japan's flutter fading problem for those of us on the East Coast in the future.

Radio Beijing is also involved with some African countries in setting up those countries' radio services. In return, it is expected that Radio Beijing may get transmitter time and may broadcast to Europe and North America by these transmitters but at this time, it is conjecture on my part, although developments continue.

The VOA, who just recently turned on their Dixon transmitter just might reactivate Hawaii's VOA standby transmitters to serve the Eastern Pacific as older transmitters are taken off line and replaced by new transmitters if the President gets his way. Other relays especially the one planned in Turkey may result in an airtime exchange where Voice of Turkey transmitters will relay VOA programs. The VOA also wants to upgrade their service to the USSR and also China. The Latin American Service may be the next service to be increased.

# Tidbits

NEW BBS: Mike Nowicki is setting up the West Coast DX BBS.

You can get on it by sending a SASE with your name, address, phone number, and computer model info to J. Michael Nowicki, Box 32215, San Jose, CA 95152. The BBS will operate two or three days a week from 10 PM to 6 AM only. (Direct)

CRB RESEARCH: It has come to this column's attention that some members have had some difficulty with this firm while others have not. T&T does not endorse or reject any business firm. It is totally up to you to deal with any firm mentioned in this column. Thank you. Ed.

ESKA F4I: Radio West, 3417 Purer Road, Escondido, CA 92925 is now stocking this fine receiver. The ESKA just picks up 9 BBC frequencies distortion free with less interference than is found on a standard SW receiver. Write to Radio West for price. (Grant Manning, CA)

BROADCASTING JOB: Radio Marti is planning to hire 195 employees. Salaries will be from \$20,256 to \$63,115. Headquarters in Washington. You must be fluent in Spanish and English. Apply on federal form SF171 to: VOA, Personnel Office, Rm. 1192, 330 Independence, SW, DC 20547, Attn. R.M. (Allen Rising, CA)

JAMMING: There are at least 2000 jamming devices in Russia, and anywhere from 5,000 to 15,000 technicians to service them. The jamming operation costs an estimated \$200 million a year—more than the budget of the VOA and RFE/RL combined! (Science Digest, January 1984, p.15 via Mark Johnson IN)

ICOM IC R71A: Yes, they have upgraded their fabulous receiver. Features include keyboard frequency entry and wireless remote control (optional). More info as it comes.

WYFR LOANS: WYFR is asking listener's to loan them \$200, \$1000, or \$10,000 plus so they can build three 100 kw transmitters to beam programs to Russia, East Germany and China. Transmitters will be located in Okeechobee, Florida. (John Demmitt, PA)

AUTOMATED PROPAGATION PREDICTIONS: Maximum Usable Frequency (MUF) is determined by solar flux, and also varies with season, time of day, direction and distance. If a SWL/DXer could feed these parameters into a suitably-programmed computer, he could know just when to listen for Bhutan or Antarctica. Happily, such capability is not too far away. Within a few years, deluxe receivers will carry special microprocessor and ROM chips which will provide it. In the meantime, according to QST 9/83, p.36, it is currently available to certain personal computer owners. These may order for \$40 a "DX Predictor" program from Flynn's Business Services (P.O. Box 903, Mountain View, CA 94943) which embodies appropriate

algorithms from the US Navy's MINIMUF project (see QST 12/82, p.36). Flynn's package includes a 5 1/4" diskette (or tape) and documentation. Currently, it is available for several Apple and Commodore mini-computers. (Dave Maxfield, MI)

C.I.N. NEWSLETTER: SPEEDX member Vito Echevarria announces that he is marketing a unique service for DXers. He is starting a clandestine newsletter. This will be called the C.I.N. Newsletter, and will feature eight transcripts of intercepted broadcasts of The Voice of Sandino. Completely illustrated and packed with information direct from Nicaraguan rebels based in Costa Rica, this newsletter will cost \$5.00 for North Americans, \$6.50 in foreign currency or IRCs for foreign DXers. Write to Vito Echevarria 648 Amsterdam Avenue, New York, NY 10025. (Direct)

MICROLOG AIR-1: This handy device will interface a Vic-20 computer to any SW receiver. With it you can detect RTTY and CW signals and have them translated onto your video readout or dumped onto a printer. For more info write Microlog Corporation, 18713 Mooney Drive, Gaithersburg, MD. (Morris Pfeffer, NY)

TVRO ANTENNAS FOR UTE RECEPTION: Do you have a TV-Receive-Only "dialor" antenna? Try hitching it to your communications receiver. It will bring in all sorts of UTE traffic in the 0-8 MHz range! For full information send SASE to SPEEDXer Grant Manning, Pres., Radio West, 3417 Purer Rd., Escondido, CA 92025 or call 619-741-2891. (Dave Maxfield, MI)

AFRTS/QSLs: Jack C. Giles, Chief of the Radio Division at AFRTS Programming Center announced in a form letter that AFRTS will no longer QSL reception reports from America because of budget cuts. The announcement was sent with a QSL! (Demmitt)

COMPUTER PROGRAMS FOR DXERS: Bill Krause, ANARC Computer Information Coordinator has compiled a list of computer programs for DXers. It's free for a SASE. Bill's address: 6700 153rd Lane NW, Amoka, MN 55301. (Dave Maxfield)

STATISTICS: To knit together its 8,649,500 square mile expanse, the Soviet Union has had to manufacture more and more shortwave receivers. The Russians in 1975 had an estimated 60 million such receivers, and the goal for 1984 is a 70 to 90 percent increase in production of first-class shortwave radios. Also, Soviet opinion polls say that 80% of the adult population are interested in foreign news above all. US experts come up with a figure of 26 million people tuning in every week to the Voice of America and 17 million to Radio Liberty. (Science Digest, January 1984, p. 15 via Mark Johnson, IN)



# 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

**PANASONIC RF-799** One of a number of the newer digital direct entry receivers made by Panasonic. Let's look at some of its features, then elaborate on its good and bad points.

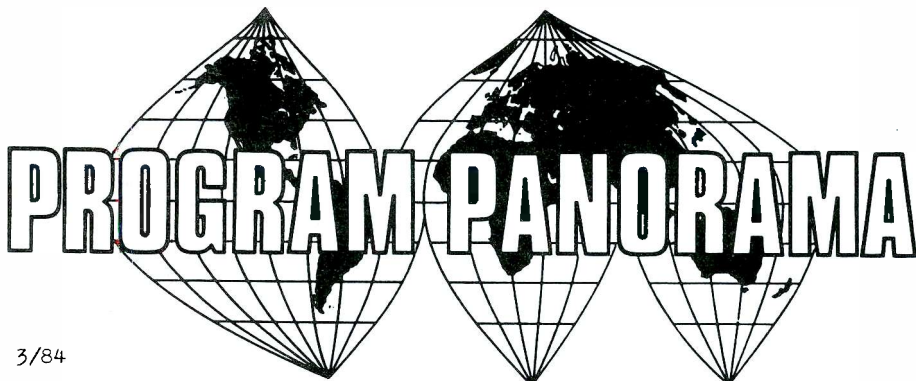
First, the set has some rather odd attributes. The LW range is continuous from 153-281 khz (Tuned in 1 khz steps). MW range is continuous from either 522-1611 khz (in 9 khz steps) OR from 530-1610 khz (in 10 khz steps) This is selectable with a "limited access" switch in the right side of the receiver. FM coverage from 87.5 to 108 mhz. SW is covered in several "bands". 2.3-2.935, 2.94-3.575, 3.58-4.215, 4.54-5.175, 5.82-6.455, 7.1-7.735, 9.5-10.135, 11.58-12.215, 15.1-15.735, 17.5-18.135, 21.34-21.975, 25.5-26.135 Mhz.!!!! As you will notice, there are several "holes" in the SW coverage. Why did they do it this way? That is a GOOD question! Most important SWBC areas are covered with a few exceptions. BBC coverage on 9410, 15070 etc are not accessible, and radio Spain's below 9.5 mhz. freqs. are in the same shape to name only two. SW band is tuned in a sensible 5 khz per step unlike the 1 or 3 khz steps of the SONY ICF-2001. (The "in-between" 1 khz steps CANNOT be tuned, however, as the receiver's "least" step is 5 khz.) No "fine tuner" is provided as on the SONY ICF-2002 (ICF-7600D) to dodge interference. This tuning system should be a boon to the neophyte SWLer, or anyone who is a first-timer at the SWL game. A direct key access (like a calculator) keyboard is provided for entry of desired channels. 10 pre-programmable memories are provided, and these can be split up between any combination of bands or frequencies. An internal clock timer is provided which uses the same LCD readout panel as the frequency display. A BUILT-IN dual voltage (115/230 volt transformer is provided, and the power cable plugs into the side disconnecting the internal batteries. Recorder outputs and external earphone jacks are easily accessed on the right side. Sensitivity.... about 5 uv. (yes five!) on SW decreasing on MW/LW bands, for a 10 db S/N ratio. While this might not sound exotic, it is quite adequate for anything but the "weakie" DX stations. In fact the receiver works quite nicely on the major SWBC stations with only 1-2 sections of the whip extended. Selectivity: +3 khz@6db, +4.9 khz@20db., +9.5 khz@40db., and +17.5 khz@60db. While not to the liking of the DXer, it seems quite adequate. Size: about 11"W, 6 1/2"H, 2 1/4"D and weighs about 3 1/2 lb with no batteries.

Listening tests were done at a variety of locations. As stated before, this receiver would make an ideal "first" set for someone totally ignorant of SWL listening. I don't think the veteran DXer will like it. Since NO BFO is provided, it is useless for Utility DXing. WWV can only be received on 2.5, 5 and 10 Mhz which are often no good during the day. Power is provided by the built-in supply or 4 "C" size batteries, and 2 "AA" pencils for clock/memory backup. RATING: Good for the beginner, only fair for the experienced SWL, poor for the DXer. Many thanks to Grant Manning of Radio West for the loan of this receiver for testing.

ICOM has come out with an updated, modified version of the R-70 receiver. basically the new IC-R71A is the R70 with the addition of a keypad direct entry system, and 32 memory channels. Scanning capabilities have also been added. The receiver can be controlled by an infra-red remote controller (similar to those used on TV's) and can be modified for VOICE frequency readout (with proper accessories) This ability of the receiver to "talk" and the keypad system would be ideal for the sightless or near blind DXer!! Price?? about \$799. More info later on this one. (Thanks to SPEEDXer Jack Somers)

APOLOGIES for missing columns!! It was MY fault!! My regular job, sickness and other factors cause a "time warp" that can get you off schedule!! Keep the letters coming! Don't forget to include SASE or TWO stamps for a reply. Until next month.....Good DXing!!.....73,

*Sandy*



# PROGRAM PANORAMA

3/84

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

OPENING ANNOUNCEMENTS...This month saw a decrease in the usual number of contributions to the column. Thus, there is room for some comments and for the list of regular programs from BBC World Service.....I would really like to see more SPEEDXers contribute to this column. If you listen to shortwave programs, let us know which ones you like or dislike. If you don't listen to programs, then let us know why you don't. What makes a club work is the active participation of its membership. It sure makes an editor's job easier when there is plenty of material to choose from.....Last month's item on POLAND should have also been credited to Thomas F. Sable of NY. Thanks to Thomas and the other members that sent holiday greetings as well!.....If any SPEEDXer is able to locate an English program guide to All India Radio, please send it in. The station has not been featured here for some time.

CANADA...Radio Canada International's SWL DIGEST reportedly is planning a couple of special programs on the 20th anniversary of ANARC for broadcast in April. More info next month. (Thanks to John Demmitt, PA and M.L. Flannagan, Jr. of VA for sending us information on RCI)

CZECHOSLOVAKIA...Radio Prague broadcasts in English to North America daily in 2 one-hour transmissions beginning at 0100 and 0300 UTC. The frequencies were listed in last month's Station Skeds column. NEWS BULLETINS, COMMENTARIES and MUSIC are featured daily. Other programs are as follows (not necessarily listed in order of airing): Mon INTRODUCING, PROGRAM REVIEW, SPORT; Tue SCIENCE AND TECHNOLOGY, YOUTH MAGAZINE, FOLK MUSIC; Wed MAILBAG, ECONOMICS, HEALTH AND MEDICINE, PRAGUE MOSAIC; Thu DX PROGRAM, CONTACT INTERVIEW; Fri MAILBAG, CULTURE, LETTER FROM CZECHOSLOVAKIA; Sat (1st and 3rd) PHILATELY, (2nd and 4th) ROVING REPORTER, JOIN GEORGE; Sun SUNDAY MAGAZINE, MEETING THE PEOPLE, SUNDAY CONCERT. (Days are for local time in target area. For example, JOIN GEORGE is heard on Sat night in North America, Sun morning UTC) (Thanks to Larry J. Chickerell, WV for this information.)

USA...WRNO Worldwide has the following revised schedule: Mon through Fri 1800-1900 UTC-HALL OF FAME; 1900-2200 VARIOUS PROGRAMS; 2200-2400 JAY MALARCHER; 0000-0600 RON ST. JON; other programs include: SPECIAL DELIVERY--mailbag show Mon-Fri 2220, 2320, 0020, 0220, 0320, 0520 UTC; SHORTWAVE WATERWAYS--maritime news and info Mon, Wed, Fri 2240, 0140, 0340 UTC; TAKING A LOOK AT THE WORLD'S FAIR--Mon, Wed, Fri 2340, 0240 and 0500 UTC; JAZZ 30--a different NO jazz album each week Tue, Thu 1930 and 0330 UTC; WORLDWIDE DEDICATION SHOW--Tue, Thu 0200-0300 UTC; Sat and Sun--religious and public affairs program, some music, WORLD OF RADIO and SUNDAY SPECIALS--0000 BBC ROCK HOUR 0100-0400 TOP 30 USA. (Direct)

USSR...Radio Moscow's REQUEST INTERVIEWS for March are a building worker on the 11th and a radio ham on the 25th. The program can be heard on alternate Sun nights 2345 UTC, repeated Mon morning UTC at 0145, 0345, 0445 and 0645. (Thanks to Chris Stark, NB and John Demmitt, PA for the Radio Moscow info).....Coming up--BBC programs

UNITED KINGDOM...BBC World Service regular programs--3/84--all times UTC:

**WORLD NEWS** - broadcast 17 times a day in the World Service. *Daily 0000, 0200, 0300, 0400, 0500, 0600, 0700, 0800, 0900, 1100, 1300, 1600, 1700, 2000, 2200, 2300; NEWSDESK* - a half-hour programme including World News and despatches from overseas and UK correspondents. *Daily 0400, 0600, 1800. All times GMT*

**TWENTY-FOUR HOURS** - analysis of the main news of the day, plus review of British Press. *Mons to Fris 0509, 0709, 1309, 2009*

**THE WORLD TODAY** - examines thoroughly one topical aspect of the international scene. *Mons to Fris 1645 rep 2209, Tues to Fris 0145 (South Asia), Tues to Sats 0315, 0545, 0915*

**COMMENTARY** - background to the news from a wide range of specialists. *Daily 1609, 2309, Sats, Suns 1309, 2009*

**RADIO NEWSREEL** - news of events as they happen and despatches from BBC correspondents all over the world. *Daily 0015, 0215 (South Asia) 1200 (ex Suns), 1500*

**NEWS ABOUT BRITAIN** - daily 0009, 0309, 1109, also Sats, Suns, 0709

**About Britain** - looks back on some of the week's events *Fris 1945 rep Sats 0030, 0515, 1115*

**Anything Goes** - a variety of music and much more. Write to Bob Holness at World Service *Sats 1215 rep Mons 0330, 0830*

**Book Choice** - three editions each week. *Sats 0540, rep Mons 2225; Mons 1709 rep Weds 0440, 2225; Fris 1740, rep 2225*

**Business Matters** - a weekly survey of commercial and financial news. *Thurs 2130 rep Fris 0330, 1030*

**Classical Record Review** - Edward Greenfield reviews new releases. *Sats 0145 rep Suns 1015, Tues 0730, Thurs 0430*

**Country Style** - David Allan presents the best in today's country and western music on record. *Mons 1330, Thurs 0730, Fri 0430*

**Discovery** - an in-depth look at scientific research *Tues 1000, rep Weds 0330, Thurs 1430*

**The Farming World** - *Tues 1840 rep Weds 1225 Thurs 0640*

**From Our Own Correspondent** - BBC correspondents comment on the background to the news. *Sats 2209, Suns 0315, 0715, 1615*

**From the Weeklies** - a review of the British weekly press. *Fris 2315 rep Sats 0715*

**Good Books** - recommendation of a book to read. *Sats 2015, rep Suns 1315, Mons 0215, 0925*

**Jazz for the Asking** - Peter Clayton plays listeners' jazz requests. *Suns 0630, rep Weds 2130, Fris 1215*

**John Peel** - selects tracks from a newly released album and singles from the progressive rock scene in London. *Tues 0330, rep Thurs 0830, Fris 1430*

**A Jolly Good Show** - Dave Lee Travis presents pop news, interviews and your requests. *Tues 1345 rep Weds 0030, Thurs 2030*

### Subscriptions

Subscriptions are £8 p.a. Correspondence should be addressed to London Calling (Distribution), PO Box 76, London WC2B 4PH.

# BBC

**Letterbox** - listeners' opinions on World Service programmes. *Fris 1415 rep Sats 2315, Suns 0515, 2015*

**Letter from America** - *Suns 0545, rep 1115, 1645, 2315*

**Letter from London** - *Mons 0445, rep Tues 1115, 2115*

**Monitor** - a weekly survey and analysis of comment from radio stations around the world. *Weds 1709, rep Thurs 0030, 1015*

**Merchant Navy Programme** *Thurs 2315 rep Fris 0745, 1015*

**Meridian** - each week, three topical programmes about the world of the arts. *Sats, Weds, Fris. 1130; Sats, Tues, Thurs 2330; Suns, Tues, Thurs 1709*

**Music Now** - presented by John Amis. *Fris 2115, Mons 0230, 0945*

**Nature Notebook** - *Tues 1830 rep Weds 1215, Thurs 0630*

**Network UK** - looks behind the issues and events that affect the lives of people throughout the United Kingdom. Three editions each week *Mons, Weds, Fris 2100 rep Tues, Thurs, Sats 0215, 0745, 1330 (ex Sats 1315)*

**New Ideas** - a radio shop window for British industry, news of the latest products and inventions of particular interest to the householder and small businessman. *Sats 0530 rep 2230, Weds 1725, Thurs 1115*

**OUTLOOK** - an up-to-the-minute look at people, events and opinions together with the latest UK news, sport and weather *Mons to Fris 1515, 1900, Tues to Sats 0115*

**BRITISH PRESS REVIEW** - survey of editorial opinion in the Press. *Daily 0209, 0909, Sats, Suns, 0509*

**FINANCIAL NEWS** - including news of commodity prices and significant moves in currency and stock markets. *Mons to Fris 2230 rep Tues to Sats 0445, 0930*

**FINANCIAL REVIEW** - a look back at the financial week. *Suns 0445, rep 1635*

**STOCK MARKET REPORT** - *Mons to Fris 1939*

**Paperback Choice** - *Tues 0110, rep 2125*

**People and Politics** - background to the British political scene with reports on Parliament. *Sats 0230, rep 0945, 2130*

**The Pleasure's Yours** - write to Gordon Clyde, for your classical requests. *Suns 0815, rep 2115, Thurs 1345*

**Recording of the Week** - a personal choice from the new releases. *Sats 0350, rep Suns 0750, Weds 1050*

**Reflections** - a daily consideration of the meeting point between religion and life. *Daily 0455, 0809, 2240, Suns 1740*

**Religious Services** - Bath Street Presbyterian Church of Wales, Aberystwyth (Rev J.E. Wynne Davies) 4th; Chapel of King's College, London, led by the chaplain, the Rev Christopher Moody 11th; Inter-faith observance for Commonwealth Day from Westminster Abbey, in the presence of Queen Elizabeth and the Duke of Edinburgh 18th; St. Martin-in-the-Fields, London (Rev Austin Williams) 25th. *Suns 1030 rep Mons 0300*

**Report on Religion** - a weekly magazine of religious news and views *Weds 0145 rep 0745, 1415, Thurs 1945*

**Sarah and Company** - 30 minutes of news and music. *Fris 1709, rep Sats 0045, Mons 0730*

**The Sandi Jones Request Show** - *Suns 1345*

**Science in Action** *Fri 1615, rep Suns 0915, 2209*

**Scotland This Week** - *Tues 1125, rep 1740, 2225*

**Sunday Half-Hour** - 30 minutes in the company of schools and local church congregations with the history and message of the hymns they sing traced by a guest presenter. *Suns 2030*

**Top Twenty** - records and news of the parade *Weds 1830 rep 2330, Thurs 1215*

**Ulster Newsletter** - *Thurs 2115, rep Fris 0145, 1125*

**The Week in Wales** *Thurs 1125, rep 1740, 2225*

**Waveguide** - how to hear us better. *Mons 0915, rep Tues 0100, Weds 0430, 1735*

**Look Ahead** previews programmes for the day; *Daily 0940 (ex Suns) Mons-Fris 1943*

**In the Meantime** - What's new on World Service *Thurs 2120, rep Fris 0150, 1115*

73, Wendy

# WORLD SERVICE STATION SKEDS

EMISSIONS

## PROGRAMMI

TRASMISSIONI

BULLETIN DE PROGRAMMES

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

PROGRAMS

ENGLISH SERVICE

SERVIZIO

PROGRAMME SCHEDULE

Deadline: 12th

COMUNICATI NEL CORSO

Hello fellow SPEEDXers. Welcome to March, the month that comes in like a lion and goes out like a lamb. As I write this column, we've had April type weather in the middle of February! All the snow is gone and the mercury hasn't been below 32 degrees in about a week. I am sure that we will probably have another couple of blizzards before the winter leaves. Say goodbye to the D83 broadcasting period! The first Sunday in March starts the M84 period which will be in effect until the first Sunday in May. This spring period is not recognized by some broadcasters so they may stick with their old skeds until May. Remember, skeds listed are for English language programs unless otherwise indicated and times are UTC. Skeds provided by the BBC MS are copywrited and noted as such.

ALASKA. Here is the tentative sked from KNLS in Anchor Point. The M84 sked.

0700-0930	9685	Asia	English
0930-1200	9685	USSR	Russian
1200-1500	6100	China	Mandarin
1500-1730	9685	Europe	Russian
1730-2000	9685	Europe	English

(C. Radtke, J. Talbot)

AUSTRALIA. Radio Australia, D83 sked for North American reception.

0200-0400	15320, 17795
0200-0800	15160
0500-0730	15320, 17795
1200-1600	9580
2100-0100	15160
2130-0100	15320

(R. Brock, L. Chickereell, J. Talbot)

CHINA. Radio Beijing in the People's Republic. This sked may still be valid.

0000-0100	9860, 11650, 11860	ECNA
0100-0200	9860, 11650, 11945	"
0200-0300	9860, 11650	"
0300-0400	9860, 11650, 11860	WCNA
0400-0500	9860, 11650	"
1100-1200	9820	ECNA
1200-1300	9820, 11650	"

(G. Bledsoe, M. Flannagan, M. Pfeiffer J. Talbot)

CUBA. Radio Havana's D83 sked valid until March 5, 1984.

0100-0450	6090	North America
0100-0600	15300	Caribbean
0330-0600	11760	N. America/Caribb.
0630-0800	9525	North America

CUBA: CONTINUED.

2050-2140 11725 Caribbean  
(S. Abbott, D. Claytor, M. Witte, M. Manderscheid, J. Talbot, D. Tilley)

ECUADOR. HCJB-Quito. New M84 sked just received at press time.

0030-0130	15250	The Americas
0030-0500	15155	North America
0030-0700	9745	"
0500-0700	6095	North America
	11910	"
0700-0830*	9600	Europe
	11835	"
0700-1000	9745	South Pacific
0700-1100	6130	"
	11925	"
1215-1430	11740	North America
1215-1530	15115	The Americas
	17890	North America
1900-2000	17790	Europe
	21480	"
2130-2200	15295	"
	17790	"
	21480	"

\* = Monday thru Friday (Direct)

EGYPT. Radio Cairo. Current North American service sked.

0200-0330 9475, 15370  
During the month's of January and February, Radio Cairo tested various frequencies to replace 15370 kHz so keep tuned to 9475 to find out the current frequencies.  
(G. Bledsoe)

GREECE. Here is the D83 sked for the Greek Radio & Television Station (ERT) in Athens. Transmissions to North America in both Greek and English.

0000-0150 9420, 9865, 11645  
0200-0350 9420, 9865, 11645  
1200-1250 9460, 11645, 15630  
1500-1550 9460, 17565, 11645  
Note: the 9460 and 17565 transmissions at 1500 are off the air on Tuesday.

(P. Card, J. McDowell)

ITALY. RAI in Rome. The D83 sked to North America.

0100-0120 5970, 9575  
(M. Flannagan)

NORWAY. Radio Norway International in Oslo. M84 spring schedule. The English program "Norway Today is heard on Sundays (\* = Monday GMT). Programs are in Norse the remainder of the week.

0000-0030\* 9525 ECNA  
9565 Central America  
9590 South Asia/Austral  
11870 Europe/S. America  
0400-0430\* 9565 WCNA  
9570 ME, East Africa  
9705 ECNA  
11870 ME, East Africa  
0500-0530 6015 North Europe  
9565 Western North Ame  
11865 ME, East Africa  
15165 ME, Africa  
1000-1030 9590 Europe  
15205 Far East, NZ  
17825 Central S. Amer.  
17860 South Asia/NZ/Au  
1300-1330 9590 Europe  
15175 Asia, Australia  
15225 ECNA, Central Ame  
25615 ME, Africa  
1400-1430 9590 Europe  
15205 ME, India  
17840 ECNA  
17855 Asia, Australia  
1600-1630 6015 North Europe  
15205 WCNA  
17800 ME, East Africa  
25615 ME, Africa  
1700-1730 9590 Europe  
15175 Mediterranean, Af  
15225 ME, East Africa  
21730 Central S. America  
1900-1930 9525 Far East, NZ  
9590 Europe  
15175 Central America  
15225 Far East, NZ  
2000-2030 9525 Far East, NZ  
9590 Europe  
11860 Far East, NZ  
15175 Central S. America

NORWAY: CONTINUED

2200-2230 6015 North Europe  
9610 Australia  
9670 Australia  
15175 Central S. America  
ECNA = Eastern North America  
ME = Middle East  
Au, Aust, Austral = Australia  
NZ = New Zealand  
Af = Africa  
WCNA = Western North America (direct)

OMAN. Radio Oman, sked dated 11-29-83

0900-1100 11890  
(L. Klosowski)

PHILIPPINES. Radio Veritas Asia. The English sked.

0000-0030 15195, 15280  
1430-1500 11955, 15215  
(E. Soomre)

POLAND. Radio Polonia's North American Service. Valid until May.

0200-0300 6095, 6135, 7145, 7270,  
9525, 11815, 15120  
0300-0355 6095, 6135, 7145, 7270,  
9525, 11815, 15120  
(? Fernando, ? Prath, H. Tate, E. Soomre D. Tilley)

PORTUGAL. Radio Portugal - Lisbon D83 North American Service.

0300-0330 6060, 11925  
0530-0600 6075, 9575  
(L. Mendez)

ROMANIA. Radio Bucharest. D83 North American Service.

0200-0300 5990, 6155, 9510, 9550,  
9570, 11810, 11940  
0400-0430 same as above  
(J. Prath, E. Soomre)

SAUDI ARABIA. BSKSA in Jeddah. D83 English sked.

1000-1300 11855  
1700-2100 11855  
(E. Soomre)

SOUTH AFRICA. Radio RSA. D83 North American Service.

0200-0256 5980, 9615, 11730  
(D. Claytor)

SUDAN. According to our man in Saudi Arabia, Dr. Richard E. Wood. Omdurman operates on 5039 not 4994 kHz.

Their sked should read:  
0400-2200 5039 Local languages.  
(R. Wood)



TUNISIA. Radio-Television Tunisienne in Tunis. This sked was current as of January 26th, 1984.

1600-1800	15226	Arabic
1900-2100	11746	"

(BBC MS - WBI)

TURKEY. The PRT or The Voice Of Turkey in Ankara. This listing is valid until June 30th.

0300-0400	9560	North America
	9730	Southeast Asia
2000-2100	7155	Europe
2200-2300	6130	Middle East
	9660	Europe
	9560	North America
	9730	Southeast Asia

(S. Abbott, E. Soomre)

USSR. Radio Vilnius-Lithuania. Undated sked.

2130-2200	6100	Europe
2300-2330	9685	North America
	11790	"
	15100	"
	15240	"
	17870	"

(K. Hitsman, E. Soomre) By the way, Radio Vilnius uses the Radio Moscow transmitter system. The transmitters are located throughout the USSR.

USSR. Radio Kiev-Ukraine.

0200-0230	9710	North America
	11790	"
	15100	"
	15240	"
	17870	"
2330-0000	9685	"
	11790	"
	15100	"
	15240	"
	17870	"

This station uses Radio Moscow transmitters. See above.

(J. Prath)

USA. Armed Forces Radio and Television Service. This sked was effective on January 15th.

Transmitters are those of the Voice Of America.

0000-1500	21670	Southeast Asia	D
0100-0700	6030	Europe	B
0200-0700	6030	Caribbean	B
	15330	East Asia	C
0330-0700	11730	East Asia	C
0900-1100	9530	Africa	B
	9590	Europe	A
0900-1300	6030	Caribbean	A
1000-1700	11805	East Asia	C
1000-1900	9700	East Asia	C
1100-1700	15330	Africa	B

USA: AFRTS- CONTINUED

1100-0100*	15430	Europe	A
1300-0200	15330	Caribbean	B
1500-1900	21670	Southeast Asia	D
1700-2100	15345	East Asia	C
1700-2300	15345	Africa	B
1900-0000	15305	Southeast Asia	D
1900-0330	17765	East Asia	C
2100-0200	21570	"	C
2300-0700	11790	Africa	B

Transmitter Key:

A = Greenville, North Carolina

B = Bethany, Ohio

C = Delano, California

D = Poro Point, Philippines

\* = withdrawn as required for

UN Radio use.

(T. McKeon)

USA. WINB in Red Lion has this sked. No date on it.

2347-0330	15145	South America
1600-2000	17730	Europe
2002-2245	15185	Europe
2247-2345	15145	Europe

Most of their programming is in English but there are some exceptions

Monday thru Friday

0230-0300 15145 Spanish

Saturday

1845-1930 17730 Russian

2200-2230 15185 Latin Mass

(M. Flannagan) See you on the AMTRAK Melvin, hi.

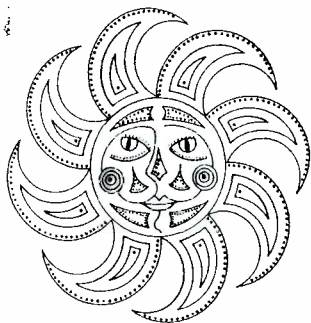
Well, that's all the info I have room for this month. I hope those of you who receive the M84 schedules will send them along to me ASAP. Also the J84 skeds when they come out.

Just a reminder on the rules to follow when reporting to the STATION SKEDs column.

1. Write on one side of your paper.
2. Put your first initial and last name on each schedule.
3. When there is more than one sked on a piece of paper, put your name next to each sked and leave room so that I may cut them apart.
4. Be accurate.

CONTEST

Here is the question for this month. During the 1960's, many African countries which were former French Colonies QSLed reports with a QSL card which was very similar in style. It featured a map of Africa with dots marking the capital cities of the former colonies. What name were these cards called? Prize: 2 IRCs. *73 CWB*



## SPEEDX Western Hemisphere

**EDITOR:** John Cereghin  
6812 Pickett  
Morningside MD  
20746

**Deadline:** 12th

All times and dates UTC. All fqys in kHz

MARCH

1984

Well, hi there! Ready for spring, with all the tornados and thunderstorm static? Me too! I hope you all have your 84 WRTEs now. You notice that Galapagos Is. is finally listed as a separate country, no SW listed out of Grenada, and no mention made of R. France's relay out of French Guiana. Win a few, lose a few.

MOP UP DEPT., Marge Witte says that the UNID listen in the January WH on 6055 as R. Rainbow is a BBC program which has been on for quite a while. Thanks Marge. Our man in Spokane, Bob Palmer, ex-Terrapin (Univ. of Md terrapin) says that that CW station on 5095 which provides the QRM for R. Sutatenza is CFH near Halifax NS, which is a military station. He says the frequency is 5097.0. Hope Mike Chabak isn't getting mad at me for stealing his thunder, hi! Bob adds that the Brazilian station R. Educ Rural on 4755 seems to be a 24-hour operation.

Bob Wilozek sent me a copy of the program sked of KNR in Greenland on 3999 khz. It's a day-by-day sked, giving individual programs for each day of the week. It's in Danish, which I can't read, so I can only guess at the programs listed, but there seems to be a sports px, a soap opera, a family px, some sort of a "Lexion" mx, a rock mx px, a classical mx px, educational px, and of course, news. Quite nice!

Does anyone have the US adress for TIPC, Costa Rica? I got a request for that, and I can't dig it up. If you do, please let me know.

I have the program sked of FIBS, Falkland Is, from the BBCMS

3958 khz (1115-2030) 2380 khz (0900-1115 2030-0330) (times GMT)  
0900 sign on (mon- sat)  
0900-0915 BBCWS mx and review of the British Press (mon-sat)  
1000 sign on (sunday)  
1100-1115 BBC mx  
1215-1245 FIBS mx magazine (tu. th. sat)  
1300-1315 BBC mx  
1500-1515 BBC mx and Radio Newsreel (mon-sat)  
1600-1615 BBC mx (weekends only)  
1700-1702 BBC mx summary (sat)  
1800-1830 BBC newsdesk (sun)  
2000-2030 BBC mx and "24 Hours" (mon-fri)  
2130-2200 "Calling the Falklands" (tu, fri)  
2230-2245 local announcements (mon-sat)  
2300-2315 BBC mx

This month, I'm going to try something a little different in a space-saving move. For the major broadcasters (HCJB, RCI, VOA...) the reports will be condensed into form not unlike the format used in Chris Lobdell's Station Skeds column. I feel this will save space, and even make it a little easier to read. Check it out and let me know what you think of it.

Remembering that if no language is given, the transmission was in SS, or PP for Brazilian stations, here is...

### ARGENTINA

6060 0920 R. Nacional, mx px, //9690 (443)(333 1/16 Miyauchi JP):0520, WYFR slop (322 1/31 Palmer WA):tent (232 1/24 Moman AB)  
11710 0130 RAE, EE, mx, sx at 0112, ID, mx (233 1/12 Gray MI)(444 1/29 Falbo OR)+5  
15345 0125 RAE, EE/FF, mx of EE px being extended beginning 2/1, FF at 0130 (333 1/20 Thompson CA)

I hope it's nice where you are. It got to 65 degrees today!

**BOLIVIA**

- 4718.1t 0305 R. Abaroa, faint signing, poss ID btwn selections, usual UWE QRM (pr 1/24 Moman AK)
- 4747v 0119 UNID, LA dramatic mx, TC "24 mins." only, and some Andean mx. Off by 0300, noted since 12/27/83, s/on by 1030 (233 1/23 Robertson WA)
- 6025 2300 R. Illimani, many amnts and misleading non-IDs, finally hrd the usual "R. Illimani, LV de Bolivia" ID (232 1/18 Moman AB)(Thompson CA)

**BRAZIL**

- 2420 0145 R. Sao Carlos, DJ playing Braz ballads, lots of QSB, no ID, 0230\* (pr 1/20 Parks FL)
- 2490 0145 R. Rhuc. Rural de Coari, DJ w/messages, local mx w/Brasopops. Full ID at 0155, strong w/local QRM (gd 1/14 Parks FL)
- 3375 0433 R. Nacional, ID at 1010, slight QRM de co-chan R. Clube and more from R. Iris at 3380 (433 1/12 Schlessinger TX)
- 4755 2257 Rdif Maranhao, "A Voz do Brasil", ID, return to nom freq from 4750 (fr 1/5 Parks FL)(333 1/21 Thunberg PA):0322 (222 1/22 Mendez NJ)+2
- 4843 0108 R. Mac do Boa Vista, exccast, "R. Nacional" IDs, TCs, many ments of Paraguay and Brazil (333 1/20 Thompson CA)
- 4845t 0010 R. Mac do Maranhao?, ballads, sked, possible ID at 0028, R. Manus listed, but pretty sure abt Maranhao ID. Any help? (I think this is Manaus, as Maranhao is further down the dial jc)(333 1/20 Thunberg PA)
- 4815 0824 out of order Rdif Londrina, ZY ballads, fine IDs as "Rdif Londrina... Parana", TC for 5:30 (232 2/4 Wilozek IL)
- 4865 0735 R. Sociedade, Feira de Santana, contrary to WRTH 84, this one is active. Straining thru static w/ZY ballads, one ment of Radio Sociedade (pr 2/4 Wilozek IL)
- 4875 0935 R. Mac Boa Vista, long tx, ending w/now more mx from RN da Amazonia. Mx, then ad, then ID. Bad het after 0950 (333 2/1 Murff NM)
- 4880mf 0100 Rdif Acreana, EZL Brasoballads, ID "...1400 khz onda media...(slogan and fanfare) Radiodifusora Acreana", first noted on new freq on 1/9 (fr/pr 1/13 Parks FL):Nathan Murff, this may be your unid
- 5035 0018 R. Aparecida, px of LA pops and folk ballads, occasional tx w/echos. Simple "R. Aparecida" IDs. Haven't noticed this one around lately (333 1/16 Cunningham OH)
- 5965 2340 R. Guaiaba, mx, fanfare, ID (fr 1/18 Ulmer LA) Moman ALB)
- 6135 0758 R. Gaucha, ments of Paraguay and Brazil, 3 pips at 0800 and ID (444 1/24
- 9585 0108 R. Excelsior, mx event w/ID at mid-sentence (gd 2/4 Ulmer LA)
- 11780 0151 R. Nacional, latin mx (433 1/28 Pfeffer NY)(444 1/28 Prath FL)+2
- 11915 0057 R. Gaucha, discussion px, full ID, ads, clear freq for a change (gd 1/5 Parks FL)
- 11925 0035 R. Bandeirantes, soccer match, Guanabara vs ?, co-chan QRM, but RB on top (322 1/13 Palmer WA)
- 15270 2123 R. Mac do Brasil, SS, mx and tx, ID (323 2/5 Tilley CO)
- 15290 0159 Radiobras, EE, IS, pop mx (242 1/16 Shimada JP)(444 1/16 Chituck MD)+3
- 17720 1959\* R. Mac do Brasil, GG, guitar mx, 1959\* (454 1/9 Bingham MA)

**CHILE**

- 9550 0204 R. Nacional, IDs in passing, very poor reception, DW QRM (2/1 Ulmer LA)
- 9750 1030 R. Minería, band mx, "King Cotton" mx, "Mineria...Chilo", mx (444 1/13 Robinson TN)
- 15150 2347 R. Nacional, soccer, Atacama vs Magallanes (give me the Redskins and Cowboys anytime jc) (gd 1/18 Ulmer LA): 15147 (333 1/25 Mendez NJ)

**COLOMBIA**

- 4875 0640 R. Super, LA mx, ID w/echos, full ID w/freq (444 1/14 Dillon PA)
- 4945 0608 CARACOL Nevia, caught ID as "Esta CARACOL Nevia, HJDE, para todo Colombia", then string of ads, then interviews (222 1/31 Palmer WA)
- 5095 0230 R. Sutatenza, mx, pop mx, severe CW QRM (see my frontpage for info on that CW jc)(433 1/13 Bahn IL):1030 (343 2/5 Weikel MI): whole string of call IDs; HJG/HJOT/HJGX/HJHL/HJCR/HJCC/(SW) HJGC/HJTB (network? jc) (433 1/20 Mendez NJ)(gd 1/11 Ulmer LA) Robertson WA)
- 9636 1117 R. Nacional, poor audio, drifts, classical piano solos (454 1/15
- 15335 1530 R. Nacional, mx, mx, severe fading (322 1/21 Klosowski FL)

**ECUADOR**

- 3280 0045 LV del Napo, several clear IDs, key-click QRM (232 1/24 Moman AB)
- 3316 \*1117 R. Pastaza, caught tail-end of NA, ID "B. dias oyentes, B. Dias desde Ecuador.", into HC mx (453 2/2 Jones MS):0042 (232 1/24 Moman AB)
- 3380 0356 R. Iris, ID, martial mx, anthem? (if it was dull, long and boring, it was the HC NA, hi! jc)(444 1/5 McKeon IN)
- 3395 0415 R. Zaracay, bad het, QRMing station only 100 hz away. Caught "...sintonia...R. Zaracay." LA mx, not much tx (222 2/1 Palmer WA)+1

ECUADOR

continued

- 4657 0335 Rdif del Ecuador, nat'l/reg mx, partial IDs, cmnty (353 1/6 Jones TX)
- 4792 0517 Sistema de Emis. Atalaya, on late, presidential election mx, as with other HC outlets, good time to IK Ecuador when the other Latins off (that's a good tip jc)(222 1/30 Robertson WA)
- 4795t 0222 IV de los Caras, HCAG4, symphonic mx, sig suddenly died 0229. Much het, some QRM de Atlantida at 4790 (333 1/20 Schlesinger TX)
- 4800 0352 R. Popular, in the clear after R. Lara s/off. Latin pops, ID, TC, into mx by a very somber newscaster (well, with today's news, no wonder! jc) instr mx (343 1/14 D'Angelo PA)
- 4820 1008 R. Paz y Bien, "IV del Papa" pr f/R. Vatican to 1027, anuncios, quick mx bridge, ID "R. Paz y Bien..." at 1033, noticias (fr 1/17 Sheedy CA)
- 4851.2 0559 R. Luz y Vida, tx, ment of Quito, no mx, election coverage, ID (232 1/30 Robertson WA) Parks FL)
- 4890 2325 R. Centinela del Sur, rock mx, TC/ID, ad string, more mx (fr 1/7
- 4900 2300 IV de Sasquill/R. Libertador, HC folk mx, full ID, Juventud absent. First time noted w/evening xmission. Gone at 2330 recheck. (gd 1/12 Parks FL)
- 4920 0535 R. Quito, election mx, provincial and national totals for each of the several candidates (Salgado Sanchez, Borja, etc), promo for network (344 1/30 Robertson WA)(433 1/10 Mendez NJ)(444 1/14 Weikel MI)+1
- 4977 1039 Rdif Tarqui, ID in the middle of mx (343 1/24 Jones MS) WA)
- 4980 0604 Ondas Anzuayas, election mx, no mx, no QRM, only QRN (222 1/30 Robertson
- 4990 0608 R. Bahai, martial mx, ID sounds like B'jai, mellow LA pops (1/30 Robertson WA)
- 5015 0522 Escuelas Radiofonicas Populares, election mx, Andean mx and ID (243 1/30 Robertson WA) (gd 1/16 Berri CA)
- 5025 0120 R. Splendit?, ments of Ecuador, comedy skit, Andean mx, no ID, so tent
- 5050 1134 R. Jesus del Gran Poder, many ments of San Francisco, ads, TCs (444 1/24 Moman AB)

HGJB

- 3220 0100 Quecha, IDs, TPs, folk mx (333 2/3 Prath FL)
- 6095 0535 EE, tx on Middle East (444 1/8 Lindley AL)(555! 1/31 Palmer WA)
- 0602 EE, "Radio Bible Class" (444 1/7 Cox CA)(454 2/3 Bingham MA)+2
- 6130 1002 EE, "Passport" (454 2/2 Bingham MA)
- 9655 0347 RR, this freq replaces 9515 (444 1/31 Palmer WA)
- 0705 EE, "Happiness Is" (454 1/8 Bingham MA)
- 9745 \*0035 EE, world mx (433 1/10 Dillon PA)
- 0200 EE, "DKPL" "Songtime Weekend" (454 1/15 Krist VA)(544 1/29 Abbott IL)+1
- 0641 EE, "Report on Science" (444 1/14 May OH)(353 1/8 Bingham MA)
- 11740 1402 EE, mx, singing (454 2/2 Bingham MA)
- 11835 0711 EE, review of a LA musical (333 1/14 May OH)
- 11910 0530 EE, "Passport" //6095 (233 2/2 Lieu CA)(444 3/3 May OH)
- 0610 EE, "Musical Mailbag" (444 2/6 Tilley CO)
- 15115 1245 EE, "Happiness Is" (444 1/21 Fisher WI)(454 2/2 Bingham MA)
- 15155 0220 EE, "Songtime" "DKPL" (454 1/22 Krist VA)(353 1/13 Bingham MA)
- 0339 EE, "Music in the Night" (353 1/16 Shimada JP)
- 15250 0045 EE, relig px, followed by local mx (555 2/6 Tilley CO)
- 0200 SS, ID, mx, mx (455 1/13 Chituck ITALY)
- 15295 2200\* EE, "DKPL" (454 1/9 Bingham MA)(223 2/5 Tilley CO)(545 1/7 Mendez NJ)
- 17790 1934 EE, book review (333 1/16 May OH)(454 1/11 Bingham MA)
- 17890 1215 EE, "Today" "Happiness Magazine" (444 1/6 Dillon PA)
- 1329 EE, "Morning in the Mountains" (454 2/2 Bingham MA)
- 1500 EE, "Back to God Hour" (454 1/15 Card RI)
- 21480 1936 EE, "Today in Review" (343 1/11 Bingham MA)

FALKLAND IS.

- 2380 0224 FTBS, EE, t/in to hear OM w/British accent reading a list of dedications, YL caller on the phone, pop mx, TC at 0223 for "28 to..." drum roll and jingle ID at 0236, more mx and dedications. Wx at 0248 mention of 18°C, same drum roll/ID at 0259, more tx past 0300, 0334 hrd s/off and GSTQ. Carrier left on, indeed was noted periodically till 0900 s/on, very faint now, but EE mx just discernable. Faded out quickly after 0900. Amazing, path open for at least 7 hours!(pr-fr 1/24 Moman AB):0055 (pr 1/20 Parks FL)
- 3958 1115 FTBS, faint carrier, no audio noted. Sked time is 1115 (1/24 Moman AB)

FRENCH GUIANA

- 6170 1042 RFO Guyane, FF, slick tx OM w/noticias. TC/ID, pop tunes. 5055 weaker w/static. Nx after 1100 (343 1/14 D'Angelo PA)

After finishing this column, I'll be headed for Defiance OH for a weekend to visit my sick grandfather in our new car. Of course, my mother will make me drive the entire 500 miles...!

G U Y A N A

5950 1000 GBC, EE, ad for Surinam Airlines, local and wld mx, wx, IDs (gd 1/21 Famularo NJ)(343 2/4 Wilczek IL)(444 1/15 McKeon IN)(343 1/21 D'Angelo)

P A R A G U A Y

9735 0900 R. Nacional, harp/accordion mx, "LV del Patria" "RN del Paraguay"(545 1/10 Robinson TN):0015 (433 2/6 Tilley CO)(444 1/12 Dillon PA)

P E R U

4746 0207 R. Huanta, nice ID "transmitiendo R. Huanta", NA, 0215\* (232 1/24 Moman AB)  
 4762 0516 R. Inca, LA mx, ID (433 1/14 Dillon PA)  
 4860 \*1000 R. Chinchavoccha NA, ID, OA mx, very poor (252 1/19 Jones MS)+1  
 4885 1041 R. Huancavelica, beautiful huaynos, may have been playing a whole album. Promos plus jingles, then ID plus px promo, mostly unreadable in QRN. TC "en R. Huancavelica", into Latin pops. First log of this (322 1/18 Cunningham OH):0402 (353 2/2 Jones MS)  
 4922 3023 Ondas del Titicaca, ORK7H, Andino mx, run by a very untalkative OH (rare!) weak and QRM'd by the Aussie on 4920, but improving w/time (222 1/17 Schlesinger TX) IL  
 4935 1116 R. Tropical, ad string, TC, ID, into song "Te Quiero" (242 2/5 Wilczek IL)  
 4950 \*1027 R. Madre de Dios, NA, theme mx "Tonight We Love", ID/calls/freqs, "B. Dias Oyentes", short tx, into mx (343 2/2 Jones MS)(Schlesinger TX)  
 4955 \*1038 R. Cult. Amauta, NA, ID/call/freq, "Onward Christian Soldiers", into tx (352 1/18 Jones MS)  
 4995 0439 R. Andina, lots of yipping, nice, clear ID (333 1/24 Moman AB)+1  
 5030 0230 R. Los Andes, ads, PSAs, TC, ID, into good mx (gd 1/12 Ulmer LA)+2  
 5060 0355 R. Amazonas, very fast speech, several IDs, typical OA mx, lots of drums and flutes (343 2/2 Jones MS);tent (pr/fr 2/1 Ulmer LA)  
 5112.2 0120 R. Eco, ID, mostly just fast tx (353 1/10 Jones TX);tent 5108 0640 Thompson CA)(vg 1/12 Ulmer LA) Schlesinger TX)  
 6010 1100 R. America, ID into spoken px. QSB, hets, QR, co-chan (433 1/10)  
 6115 0953 R. Union, huaynos, DJ w/ID and communicates to OA families. Can't wait for the A-index to drop (take a number...jc)(322 2/5 Wilczek IL)  
 9486 1047 R. Tacna, nothing special, few IDs amongst OA mx (353 2/2 Jones MS)  
 9580 1049 R. Concordia, rapid-fire chatter, IDs w/theme from "Bridge over the River Kwai". Faded 1100 (443 1/10 Schlesinger TX)  
 9675 1102 R. del Pacifico, ID, chorus, into regl px (333 1/20 Thunberg PA)

U R U G U A Y

11835 0001 R. El Espectador, cmnty, QRM de OAS on 11835 (121 2/6 Tilley CO)

V E N E Z U E L A

3225 0020 R. Occidente, ID, mx, noisy freq (322 2/3 Prath FL)  
 3255 0120 R. 980/LV de El Tigre (not del Tigre jc) LA pops, TC, IDs as R. 980 and ments of El Tigre (333 2/3 Prath FL);1023 (232 1/28 Wilczek IL)  
 3275 0330 R. Mara, tx and mx (444 1/5 McKeon IN)(353 1/22 D'Angelo PA)+1  
 4770 0252 R. Mundial Bolivar, long, dull yak (no humans at the mike, huh? hi! jc) promo "...en Bolivar, Mundial...la emisora de la buena gente" couple TCs, more promos (fr 1/17 Shedy CA)(434 1/22 Mendez NJ)(Thunberg PA)  
 4780 0340 LV de Carabobo, ads, mx, ID "LVdC", TC 1140, heavy QRN, severe QSB (222 1/13 Mendez NJ)  
 4800 0300 R. Lara, mx, poem w/harp accomp abt a cook fight (no ASPCA in Venezuela, hi!), QRN, 0350\* (434 1/13 Mendez NJ)  
 4870 0410 R. Rumbos, LA mx, mx, ads, chimes, ID (333 1/13 Welkel MI)  
 4970 0440 R. Rumbos, ID, ads, Latin mx (fr 1/7 Stephenson CA)(McKeon IN)+1  
 4980 1125 Ecos del Tobores, ads, mx, IDs (333 1/6 Dillon PA)(444 2/1 Palmer WA)+1  
 4990 0138 R. Barquisimeto, LA vocals, TC/IDs (433 1/13 Thompson CA)+3  
 5040 0140 R. Maturin, usual AM px of mx, long ad strings, Rumbos chimes btwn items, TCs, phone calls. ID "Esta es R. Maturin con mil vatios"(gd 1/17 Shedy CA)(544 2/1 Murff NM)(fr 1/13 Parks FL) Schlesinger TX)  
 6010 1100 R. Los Andes, TV pops, hrd under co-chan R. America (322 1/10)  
 6180 1320 R. Turismo, LA pops, TCs, IDs (343 1/21 Prath FL)  
 9660 1300 R. Rumbos, LA mx, singing IDs w/chimes (544 1/15 Prath FL)(Dillon PA)

?????

2490 0205 UNID, SS or PP, noted from before 0100 till past 0225, not there at 0335 recheck. Much weaker than 2390, just barely discernable lang (vp 1/24 Moman AB)(R. Oito de Septiembre, with a 0200\* listed? jc)  
 5060 0454 UNID, SS, just tuned into anthem, 0457:50\* Amazonas- Peru? (333 1/24 Moman AB)

Can't start North America here. I may come into a new typewriter in a month or two, maybe an electric one. I have an electric typewriter, but it's a Pica (the big print) I can't use it because it takes up too much space, and I wouldn't be able to get much info into the column!

NORTH AMERICA

ALASKA

6170 1200 KMLS, CC/EE/RR, end of CC px, into EE ID and RR px which opened with Chariots of Fire. Pretty weak at this QTH (232 1/10 Schlesinger TX) (444 1/16 Miyauchi JP)(353 1/15 Shimada JP)

ANTIGUA

6040 0100 DW Relay, EE, mx, review of political events (???) 1/22 Klosowski FL)+2  
 6175 0250 BBC Relay, EE, "The World Today" (444 1/6 Dillon PA)  
 6195 1215 BBC Relay, EE, "Jazz For The Asking" (353 1/20 Blanchette FL)  
 9545 0507 DW Relay, EE, world mx (444 2/6 Tilley CO)  
 9690 0600 DW Relay, GG, IS, EE ID, wld mx (544 2/1 May OH)  
 11775 1200 BBC Relay, EE, mx/cmnty on South Africa. Exc sig (1/8 Schlesinger TX)  
 11810 0200 DW Relay, SS, IS, EE ID, to South America (344 1/18 May OH)  
 17795 2000 DW Relay, GG, IS, EE ID, wld mx (444 1/16 May OH)

BELIZE

3285 0415 R. Belize, EE, John Denver songs, wx, UTE QRM (322 1/6 Hotaling NY)+4

CANADA

5960 0140 RCI, EE, mx, cmnty px (454 2/6 Tilley CO)  
 0230 CEC, EE, "As It Happens" (444 1/23 Fisher WI)  
 0300 RCI, EE, NATO cmnty (444 1/13 Gray MI)(555 1/16 Hesck NY)+2  
 2300 RCI, EE, "Canada This Week" (555 1/28 Fleischaker KY)  
 6005 1550 CFMX, Montreal, EE, MOR mx, "This Date In History" (454 1/8 Fraser MA)+3  
 6065 1200 CBGNS, EE, mx, TC, wx for Frobisher Bay (353 1/6 Blanchette FL)+1  
 6070 1637 CFHX, Toronto, EE, mx, "I'll Never Fall in Love Again" (333 1/24 Wimmers VA)(454 1/12 Falbo OR)(443 1/14 Jones MS)(Krist, Bingham)+2  
 6130 1301 CHNX, Halifax, EE, hockey mx, pop mx (454 1/21 Bingham MA)  
 6140 0650 RCI, EE, stock reports (444 1/8 Stephenson CA):0645 EE/FF (Dillon PA)  
 6160 0825 CKZN, St. John's, EE, gd o/c here, to 0927 when s/on w/"NO Canada" and "From Sea to Shingling Sea" (not sure if that was the title), then s/on amnts w/AM, FM, and SW tx mentioned. TC for 6 AM, then CEC mx. Best ever sig out here! Superb East Coast reception tonight, see my 3999 khz log (check Greenland for that jc)(343 1/24 Moman AB)(333 1/28 Wilczek IL)  
 6195 0600 CBGNS, EE, ID/freqs, mx, wx 0609\* (333 1/24 Moore TX)  
 6280 0110 RCI, EE, feeder? Normal RCI NA service, not well hrd ~~tx~~ to fading and CW. I was hoping for 4x 1570, or Guayamerin (not a spur of 5960 or something? jc)(322 1/17 Schlesinger TX)  
 9515 0235 BBC Relay, EE, Sherlock Holmes' "The Sign of Four" (444 1/18 Pfeffer NY)  
 9535 0157 RCI, SS, pop mx (433 2/6 Tilley CO)  
 9590 0000 BBC Relay, EE, "Radio Newsareel" (444 1/10 Dillon PA)(444 2/6 Tilley CO)+  
 9625 0500 CBG, EE, Ontario wx, mx (545 1/8 Mendez NJ)  
 1345 CBGNSWS, EE, NHL scores, tx on food (343 2/5 Bingham MA)  
 2500 CBGNSWS, EE, mx (322 1/23 Berri CA)  
 11720 1416 CBGNSWS, EE, "Sunday Morning" (343 2/5 Bingham MA)  
 2200 CBG, EE, "Cross Country Checkup" (433 1/8 Dillon PA)  
 11850 0220 CBG, EE, ID, mx (444 1/18 Pfeffer NY)  
 11905 1900 RCI, EE, "SWLD" (444 1/15 Langlois CA)  
 11925 2200 RCI, EE, wld/reg mx (433 1/26 Lord CA)  
 11945 \*2129 RCI, EE, "SWLD" 2158\* (433 1/14 Krist VA)(545 2/5 Tilley CO)  
 15250 1820 RCI, EE, tx on the greenhouse effect (444 1/31 Stephenson)  
 15260 1820 RCI, EE, "Mailbag" (343 1/29 Bingham MA)  
 2156 RCI, EE, tx on astrology (444 1/12 May OH)  
 15285 1620 CBGNSWS, EE, tx on old letters (555 1/21 Klosowski FL)  
 15325 1645 RCI, EE, mx to Europe, better than //21695, QSB (444 1/8 Schlesinger TX)  
 1940 RCI, EE, tx on IPU tx (333 2/5 Tilley CO)  
 17820 1821 RCI, EE, Afro Svc, reading letters (454 1/17 Bingham MA)  
 1900 RCI, EE, "Mailcall" (444 1/11 Langlois CA)  
 \*2129 RCI, EE, "SWLD" (353 1/28 Krist VA)(434 2/5 Tilley CO)  
 17875 2015 RCI, FF, pop mx px, IDs (323 2/5 Tilley CO)  
 2110 RCI, FF, world problems (444 1/7 Stephenson CA)  
 21695 1649 RCI, EE, wld mx, wx, sx, to Euro (444 1/26 May OH)  
 1745 RCI, GG, mx (544 2/5 Valentine CA)  
 1809 RCI, slavic lang, tx abt Chiang Kai Shek (334 1/21 Lord CA)

CLANDESTINES

5105 0335 LV del CID, tent, rock/EZL mx, no ID, chimes, comedy skit, QRM/M (453 1/27 Hesck NY)  
 5700 0307 R. 15 de Sept., usual anti-gov, anti-Sandaista stuff. First time hrd on this freq, //7000 was very weak (353 1/17 D'Angelo PA)(Jones TX)  
 no room to continue here... onto the next page!!!

CLANDESTINE continued

6205.1 0450 LV del Sandino, ID, rev songs w/childish lyrics, then political exhortations. Mentioned "el terrorismo Cubano" whose side are they on, anyway? (last time I checked, I think they were on ours jo) weak sig. Sounded like an AM sig, but only USB was audible, no LSB at all! (222 1/12 Palmer WA):2330 (544 2/5 Rahm IL)(vg 1/19 Ulmer LA)

6989 0118 R. Farabundo Marti, 6989-6984-6994-6985, usual px, chased by strong mx jammer. ID, 0138\* (fr 2/4 Ulmer LA)

7000 0133 R. Farabundo Marti, tx of 52nd anniversary of something (1/22 Ulmer LA)

7018t 0016 R. Farabundo Marti, OM praising Marti, history tx, CW QRM (fr 2/2 "" "")

7020 0020 R. Venceremos, vocals, tx of history and workers, ID (pr/fr 1/14 Ulmer)

7464.5 0348 LV del CID, ID as "LV de Cuba independiente democratica" (fr 1/8 Berri CA)(333 1/25 Moore TX)

COSTA RICA

+6

4825 0545 R. Columbia, nice LA pops, ads, better sig than Impacto (444 1/8 Hull WA)

4832 1200 R. Relej, ID "R. Relej, Costa Rica", mx (232 1/15 Weikel MI)+2

5055 0310 Faro del Caribe, EE, "Words of Hope", periodic UTE QRM (333 1/26 MacGibbon OR)(422 2/1 Palmer WA)(444 1/24 Moman ALB) PA)+1

6006 0605 R. Relej, mx, ID "R. Relej, numero uno en Costa Rica" (322 1/10 Dillon)

6150 0520 R. Impacto, variety of mx, ID "Capital de la Democratica latino americana, Impacto Noticioso" (444 1/8 Romero ID)+5

6175 1210 Faro del Caribe, rel tx, mx, //5055 9645 (444 1/21 Prath FL)

9645 1235 Faro del Caribe, "Faro del Caribe emissor Christianos", relg mx, //5055 (433 1/15 Prath FL)

CUBA

4765 0701 Mavak Relay, RR, OM/YL tx (434 1/17 May OH)

RADIO HAVANNA CUBA

6090 0220 EE, cmnty on a historical subject (333 2/6 Tilley CO)+1

0320 EE, "Cuba Today" (544 1/26 Claytor OH)(544 1/9 Schlesinger TX)

0430 EE, sx rpt, question "What significance does the Cuban revolution have for the liberation struggles in Africa and Latin America? (gee, that ranks right up there with 'Which deoderant lasts longer?' hi! jc) (555 1/21 Klosowski FL)(444 1/22 Lindley AL)

9525 \*0630 EE, cmnty on the 25th annv. of the revolution (444 1/15 Cox CA)+1

11725 2120 EE, tx on job program (423 2/5 Tilley CO)(433 1/8 Schlesinger TX)

11760 0557 EE, freqs, s/off, NA (444 1/8 Lindley AL)

1715 SS, speech and mx (433 2/5 Valentine CA)

11840 1915 (R. Moscow, EE, "Round About the Soviet Union"(444 1/5 Dillon PA))

11930 2200 SS, ID, mx (444 1/10 Langlois GA) Langlois GA)

15230 2000 EE, ID, US students in Cuba. (luckly, I'm not one of them jc)(444 1/11)

15470 1955 SS, pop mx, ID, mx (333 2/5 Tilley CO)

\*2050 EE, Cuban Profile (353 1/29 Krist VA)

15525 1730 FF, plenty of IDs (444 1/26 Valentine CA)

DOMINICAN REP.

+2

11700 0255 R. Clarin, mx px, ID (353 1/28 Ferrando NY):1700 (433 1/21 Klosowski FL)

GUATAMALA

3360 0149 LV de Nahuala, SS/dialect, maramba mx, ID (242 2/3 Thunberg PA)+1

3380 0220 R. Chortis, maramba mx, ID (454 1/9 McKeon IV)

4825 0245 R. Man, (t) mx (444 1/9 McKeon IV)

6090 1115 Union R. SS ID, instr mx, EE ID, gospel mx (444 1/9 Socare MA)+1

GREENLAND

missort 3999.1t 0955 Gronlands R., Greenlandic? t/in to oc. then noted slow chime type IS. TX noted at 1000. Monitored till PAST 1200 when it was still at a good level, but the ARO QRM was stronger!Hrd a variety of mx, flutes, brasses, pianos, whistling, C&W, waltz, drums, big band, and honky tonk piano. No chance to get bored here! Possible ID just before single tone at exactly --:15:00. Fair to good if no ARO present (var 1/24 Moman AB)

HAITI

4930 0000 AVEH, FF, tx, some mx, EE lang excersises (444 1/28 Card RI)+6

MEXICO

2390 0034 R. Huayacocotla, Mexican mx, ID, tx, theme from "Star Wars" (242 2/3 Thunberg PA)(232 1/24 Moman AB)

3160 0103 UNLD, first noted w/faint singing and tx here, not //1580. Sig getting better till 0230 when blanked by a strong RPTY sig. Ment "musica ranchera, musical tropical". Also hrd 1/24 w/strong carrier, but undermod and distorted audio from 0133 to past 0200 (1/10 333 Moman AB):1310 (222 1/31 Palmer WA)

MEXICO

- 5985 2200 R. Mexico, lots of tx, some mx. //9705, QSB (433 1/27 Card RI)  
 6020 1206 La "U" de Veracruz, typical Mex mx, some ranchera, many IDs as XEU, and still using LUDV slogan (353 2/3 Jones MS)  
 6105 1259 Su Pantera, nice LA pops, full ID on the hour w/ment of Yucatan (444 1/29 Prath FL) (CA)  
 6115 2230 R. Univ de Sonora, classical mx (444 1/19 Thompson CA)(444 1/23 Berri  
 9555 1423 La Hora Exacta, Observatorio Nacional de Mexico time each minute (GMT minus 6)amed twice fol. by long tone on the minute. Comls and amnts (time of futbol game, etc) between. Still there at 1630 and 2045. Thanks Lazarus (sorta a cross between WWV and your local AM sta, huh? jc)(333 1/13 Jones MS)(pr 1/11 Parks FL)(252 1/7 Jones TX)  
 9600a 1329 R. Univ. de Mexico, here at s/off of Tashkent, ID, intro to class. mx, played by the National Symphony of Mexico. ID "R. Universidad Nacional Autonoma de Mexico", then into mx (222 2/1 Murff MI)

NETH. ANTILLIES

- 6020 2345 RN Relay, SS, ID, mx, tx (545 12/28 Chituck MD)  
 6040 0010 RN Relay, SS, Hauser's DK report (444 1/21 Klosowski FL)  
 6165 \*0250 RN Relay, EE, "Medianetwork" (444 1/13 Krist VA)+2  
 0527 RN Relay, EE, "SW Feedback" (353 1/15 Shimada JP)  
 9590 0230 RN Relay, EE, "Newline" (555 1/6 McDowell IL)  
 9770 0750 RN Relay, EE, "Happy Station" (455 1/22 McKeon IN)  
 11815 1112 TWR, EE, "Morning Sounds" (454 2/2 Bingham MA)  
 11825 \*2215 TWR, SS, IS/ID to 2215 s/on, mx (343 1/21 Thompson CA)  
 21685 2020 RN Relay, DD, tx pr (333 2/5 Tilley CO)

- I'm on a roll today! I also misplaced HONDURAS...sorry!  
 3250 0123 R. Laz y Vida, relig mx, Christian px, ID (233 1/8 Moore TX)+4  
 4820 0143 LV Evangelica, local relig px (433 2/6 Tilley CO)  
 4910t 0201 LV de la Mosquitia, lite pop mx w/very brief amnts (thus the tent part) Terrible QSB (442 1/16 Schlesinger TX)(fr 1/7 Parks FL)(433 Jones MS)  
 4965 1212 R. Landia, pop mx, ad string (incl Coca Cola), ID, Kenny Rogers, Dolly Parton song (444 1/14 Jones MS)(333 1/10 Schlesinger TX)

NICARAGUA

- 5950 0143 LV de Nicaragua, EE, ID, mx, SS at 0200 (433 2/2 Swinn CA)+12  
 6120.5 2201 R. Zinica, "Contacto Juvenil" px, ID, reggae mx (pr-fr 2/7 Ulmer LA)

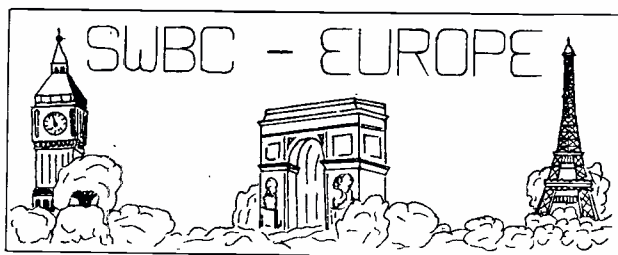
PIRATES

- 6225 2111 Samurai R., VO Oriental America, EE, rock mx, TC, 212-966-9979, calls from DC, Maryland (not me jc), Ohio, and Pennsylvania. Reports to Box 982, Battle Creek. On after a 2-3 year of inactivity according to "Mr. Samurai" (252 1/29 D'Angelo PA)  
 7395 0852 KQRP, EE, rock mx, DJ as Dr. X. ID "From a lonley mountain top in Nam". 0927\*. QTH as Box 982, Battle Creek MI 49016 (see above. That QTH must be a mail-drop or something jc)(554 1/22 Moore TX)

USA

- 5985 0115 VOFC Relay, GC, cmnty (333 2/6 Tilley CO)  
 0700 VOFC Relay, EE, CC singing, NA, into CC (444 1/11 Dillon PA)(Lord CA)  
 5995 0200 VOA, EE, State of the Union Address (454 1/26 McCants AL)  
 0600 VOA, EE, ID, IS, mx (444 1/10 Dillon PA)(555 2/6 Tilley CO)  
 6015 0533 WYFR, GG, relig px. Sked 0400-0500 RR; 0500-0600 GG; EE 0600-0800 (322 1/31 Palmer WA)  
 6020 0310 WRNO, EE, rock mx (555 1/10 Mendez NJ)  
 0550 VOA, FF, tx pr (444 2/2 Lieu CA)  
 6040 2005 VOA, EE, world mx (555 1/9 Henault MA)  
 6045 0313 WRNO, EE, tx on world fair (454 1/18 Bingham MA)  
 6065 0030 WYFR, EE, "Insight" (444 1/26 McCants AL)  
 0310 WYFR, EE, relig px (1/23 Fisher WI)  
 0702 WYFR, EE, mx pr (555 1/14 May OH)  
 6125 0603 VOA, EE, Bethany, tx on arms reduction (433 1/31 Palmer WA)  
 6130 0030 VOA, EE, "Now Music USA" (333 1/19 Krist VA) +2  
 6185 0430 R. Earth via WRNO, EE, Colombian mx, tx on geography (545 1/7 Mendez NJ)  
 0536 WRNO, EE, rock mx (555 2/6 Tilley CO)(433 1/14 Krist VA)  
 7355 0030 WRNO, EE, rock mx (454 1/18 Bingham MA)  
 9515 0300 BEC Relay, EE, "The World Today" (232 1/11 Dillon PA)  
 9535 1315 WYFR, EE, "Mailbag" (454 1/14 Bingham MA)  
 9600 2030 WYFR, EE, relig tx, Euro svc (444 1/5 Dillon PA)  
 9715 1400 WRNO, EE, "World of Radio" (545 1/15 Abbott IL)(454 1/29 Bingham MA)+1  
 10000 1453 WRNO/WWV, EE, hrd WRNO w/relg stuff over WWV (12/18 Chickereall WV)  
 plus 25 other USA logs...no more room, so see ya in April! John P. Cereghin.....





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

Here in the Midwest we in the middle of a 'tropical' heatwave with highs in the 30's. I'm sure Ol' Man Winter will throw something our way before the seasons over.

Do you remember Radio Rainbow being reported in the Dec. '83 & Feb. '84 columns? We may have found out where it's from thanks to David Moose-VA. David heard a station with the same name a few years ago and reported it to the Newark News Radio Club. Glenn Hauser wrote to the column later explaining that it was the BBC with English by Radio lessons. The log reported last month was on 11820 a BBC frequency and the programming was English lessons, BINGO! We have one problem, the time this was heard is not a scheduled time. This can not explain the Dec. log one bit!

**ALBANIA**

- 5020 0610 R. Tirana via Gjirokastrer; Albanian comtry by OM, YL @ 0616, children's mx @ 0617, // 5057 (much more QRM on 5057), 444 (1/25 McKeon-IN)
- 5057 0646 RT via Gjirokastrer; Albanian mx pgm, // 5020 (a little more QRM), suprisingly good signals on both freqs, 444 (1/14 McKeon-IN)
- 6170 0945 R. Tirana; "Radio Albania", children singing Xmas songs, 333 (1/4 Trent-AK)
- 7065 0000 RT; EE Review of Albanian Press, comtry on the crisis in the European Community, 444 (1/26 Mathew-MA), (Tilley-CO)(Ulmer-IA)(Henault-MA) +2
- 7072 0000 RT; EE wld nx, comtry, Albanian folk song, culture type pgm in Albania, ID frequently used, YL ancr, 545 (Cleveley-NY)
- 7080 \*0630 RT; EE nx, wld nx, "What We Saw in Albania," //9500 fairly wk, 444 (1/9 McKeon-IN)
- 7090 2300 RT; EE nx, As We See It, Pres. Reagan's speech, comtry, missiles in Europe, etc., 333 (1/16 Weikel-MI)
- 7120 0230 RT; EE YL "This is R. Tirana," nx, tlk about peasants being freed from burden of debt, all villages were put together w/definite plan, 454 (1/28 Bingham-MA), (Gray III-MI)(Krist-VA)(Tilley-CO)(McKeon-IN)
- 7300 0550 RT; EE YL offering dissertation on African & South Americans not wanting foreign intervention, mx @ 0554, "Goodbye from Tirana," 444 (1/4 Biron-NH) (McKeon-IN)(Ulmer-IA)(Tilley-CO)
- 9480 2205 RT; EE nx, comtry, tlk about the 'good nature' of Albanians, 544 (1/29 Prath-FL), (Bingham-MA)
- 9485A 1647 RT; EE comtry about US Military actions, 222 (1/17 Fisher-WI)
- 9500v \*1800 RT; FF YL & OM, nx, political slogans Socialist Revolution, Patriotic mx, 1827 ID "Ici R. Tirana Trans Termine," 1828\*, hvy QRM & QSB, 332 (1/8 Mendez-NJ)
- 9750 0000 RT; EE nx, comtry, terrible QRM, 422 (1/13 McKeon-IN)
- 11985 1603 RT; SS non-stop talk by YL in Castillian Spanish, ID 1615, same YL, then finally some mx, a SS song w/YL vocal, s/off 1630, 444 (1/24 Palmer-WA) +1

**AUSTRIA**

- 5940 0310 ÖRF; GG OM, German songs, ID in several langs, 433 (1/19 Hotaling-NV)
- 5945 0130 ÖRF; EE Austria Calling, nx including air pollution, acid rain, foreign exchange market, weekly comtry on disarmament, Struss mx, 444 (1/21 Klosowski-FL), (Bingham-MA)(Blanchette-FL)(Krist-VA)(Fraser-MA)(Gray III)+1
- 6155 0830 ÖRF; EE pork-a symbol of good luck, mx, musical ensemble described, 544 (1/2 Timofeev-FRG)
- 9770 0130 ÖRF; EE Dailareport from Austria, magazine section, Murray Hau read nx, lead story concerned Winter Games at Innsbauck, 555 (1/14 Biron-NH)
- 11665 2130 ÖRF; EE nx, classical mx, 222 (1/9 Abbott-IL)
- 11760 \*1830 ÖRF; EE Report from Austria, Letter from Austria-public opinion polls, Profile on Austria-traditional dances, mx, Post Box 700, 1858\*, 333 (1/22 Krist-VA)
- 17770 \*1230 ÖRF; EE Report from Austria-Sunday Special, Letter From Austria, Austrian SW Panorama, mx, 1256\*, 433 (1/15 Krist-VA)

## BELGIUM

- 5910 0030 BRT; EE nx, mx, DX Club activity, they spoke of Greenland activity alot & a radio transcript for what it sounded like, 444 (1/27 Card-RI) +3  
 9880 0020 RTBF; FF nx & contry w/OM ancr, heavy QRN, 211 (2/6 Tilley-CO)  
 15590 \*1910 BRT; EE Special Sunday b/c, DX Panorama pgm w/Rudy Van Dallen-look at the Bearcat DX-1000 radio, Radio World-BBC Radio in Belgium, 1930\*, 353 (1/29 Krist-VA)  
 17610 \*1400 BRT; EE YL w/Brussels Calling, OM gave target areas times & freqs, high unemployment among miners, rock mx by group, P.O. Box 26, YL answering letters, YL gave info on SWL Club, 454 (1/25 Bingham-MA), (Weikel-MI) +2  
 21460 1520 RTBF; FF played pop mx from Belgium, 333 (1/28 Stiner-NY)  
 21815 \*1400 BRT; EE pgm preview, nx, Feachers pgm, //17610, 343 (1/31 Draye-S.Arabia)

## BULGARIA

- 6070 2142 R. Sofia; EE YL said R. Sofia Bulgaria pgm Youth Corner, YL tlk about Center for tourist, YL singing, club for young artists, YL talk to OM who makes cartoons, YL end of youth magazine, 2159\*, 333 (1/25 Bingham-MA)  
 6085 0500 RS; Greek IS, ID, Greek nx, Greek IS sked 0500 Sunday only per '84 WRTH but so noted on a Friday, 433 (1/6 Wood-S. Arabia)  
 6135 1800 RS; Albanian nx, IS, 544 (1/1 Wood-Saudi Arabia)  
 7115 0430 RS; EE YL w/Answering Your Letters, Problems & Ideas & DX Listeners Info pgms, 444 (1/16 Henault-MA), (Klosowski-FL)(Dillon-PA)(Bingham-MA)  
 7115 0023 R. Moscow relay; EE tlk on missiles in Europe, revolutions, Americans in Philippeans, USSR successes, 333 (1/3 Chickereil-WV), (Biron-NH)(Fraser-MA)+1  
 7135 0610 R. Sofia; Bulgarian, YL playing mx then ID as R. Sofia, more mx then ID & 0614 contry in Bulgarian, Washington mentioned, 444 (1/4 Biron-NH)  
 9560 1635 RS; Turk/AA Turkish nx, contry, mx, YL to 1659, IS, then ID in AA, OM w/nx, peaked around 1645, 333 (1/3 Palmer-WA)  
 9665 2145 RS; EE Olympics, acrobatics, OM & YL, weightlifting contests, medals won by Bulgaria in US last Oct., jazz, ID @ 2159, 2200 R.Moscow World nx, 545 (1/9 Mendez-NJ), (Bingham-MA)(Dillon-PA)(Fraser-MA)  
 9700 2250 RS; EE anti-American contry followed by classical mx, 222 (12/17 Bledsoe-FL)  
 11720 0040 RS; EE OM w/ID 0045 Bulgarian mx bridge, YL & OM w/mailbag pgm, YL & OM w/ack. of reception reports (SIO fair, QRN mod.), 333 (1/24 Cox-CA), +2

## CZECHOSLOVAKIA

- 5930 0315 R. Prague; EE nx, mx, pgm sked given at 0320, 444 (1/15 Grussling-KS)+1!  
 5931.6 1632 RP; EE nx, 342 (1/30 Draye-Saudi Arabia)  
 6055 \*2130 RP; EE OM "This is R. Prague, Czech., OM w/nx bulletin, OM w/tlk on missiles in Europe, YL tlk about Czech violin player & awards he has won, violin mx, YL w/ Goodbye from R. Prague, 454 (1/15 Bingham-MA), (Thunberg-PA) +3  
 7345 0130 RP; EE sports roundup, nx of Winter Olympics, pgm sked for following wk, then mx, 0157\*, 444 (2/7 Schmautz-NY), (Bingham-MA)(Krist-VA)  
 11990 0748 RP; EE ID @ 0750 followed by Western pops, 232 (1/14 Miyauchi-Japan)  
 15110 1546 RP; EE YL w/ID, OM w/contest details, 1550 Czech. at Work & leisure pgm, 444 (2/1 Talbot-Alberta), (Prath-FL)  
 21505 1532 RP; EE nx, OM tlk about Czech Youth Organization getting ready for peace rally, OM quoting Washington Post about CIA, OM tlk about US Arms buildup, instrumental mx, signal f/out completely 1551, 352 (1/27 Bingham-MA)

## DENMARK

- 15165 \*1358 R. Denmark; Danish & EE, EE b/c from Copenhagen, Denmark b/c in Danish, OM w/Danish pgm into EE @ 1415 "This is R. Denmark, Copenhagen, Denmark, into Danish OM & YL tlk & mx, 454 (1/17 Bingham-MA), (Wood-S. Arabia)  
 25850 1200 RD; Danish IS, EE/Danish ID, nx, 434 (1/13 Wood-Saudi Arabia)

## FINLAND

- 15400 1328 R. Finland; EE IS, "This is R. Finland, Helsinki" @ 1330, into Finnish pgm, 333 (2/1 Scheel-IA), (Fisher-WI)(Fraser-MA)(Klosowski-FL)(Cox-CA)+4  
 17800 1440 RF; EE OM tlking about eating habits in Finland-hamburger chains (McDonalds Burger King) have taken over in Helsinki, fast food is in, PITY!, 333 (1/15 Brewer-AR), (Dillon-PA)(Bingham-MA)

## FRANCE

- 6085 2155 RFI; SS s/on w/IS, wiped out Bayerischer Rundfunk, ID @ 2200, 544 (1/29 Moose-VA)  
 6140 0020 RFI; FF Review of the French Press, nx, 534 (1/21 Klosowski-FL)  
 7125 0415 RFI; EE nx by YL, problems on Challenger Flight, nx in FF @ 0430, then EE @ 0445, 232 (Gray III-MI)  
 7135 0516 RFI; FF contry by YL & OM ancrs, 322 (2/6 Tilley-CO)  
 9545 0400 RFI; EE Afro-European nx, unusual signal for the target area, 433 (1/29 Stephenson-CA), (Hotaling-NV)(McKeon-IN)

## FRANCE continued

- 9790 0415 RFI; EE OM w/nx-Saudi Arabia signs defense agreement w/France, 0424 feature on cycling, 0428 ID by OM & nx maybe hrd @ 0415 & 0445, 0430 nx in FF, 322 (1/26 MacGibbon-OR), (Tilley-CO)(Langlois-GA)
- 11705 \*1600 RFI; EE YL w/Paris Calling Africa, nx, views, events, African instrumental, FF nx YL w/Developments of the Third World, health car 1655\*, 333 (1/10 Cox-CA)
- 11770 1521 RFI; FF two OM w/sportscast, toward half hour mark crowd is going crazy!, 333 (1/15 Thompson-CA)
- 15300 1600 RFI; EE analysis of the new outbreak of fighting between French & Libyans in Chad, 333 (1/28 Stiner-NY), (Chickerell-WV)(Bingham-MA)(Miyachi-Japan)
- 17620 1630 RFI; EE Paris Calling Africa, OM w/Special this wk Rubby Tournament, OM gave address for PCA, song by Johnny Cash, OM Your Listening to RFI in Paris, Arts in France, 343 (1/11 Bingham-MA)(Dillon-PA)(Grussling-KS)
- 17720 1615 RFI; EE Paris Calling Africa, French nx, African nx, interview w/man from Sierra Leone, 434 (1/10 Weikel-MI)
- 17775 1545 RFI; FF "Service Mundial," information pgm-stockmarket report @ 1552, amt of PP & EE freqs @1600, 433 (1/4 Klosowski-FL)
- 17795 1604 RFI; EE Paris Calling Africa, African World, French national nx followed by a FF rock song, letters from listeners were read, 222 (1/22 Caceres-NY) (Thompson-CA)(Bingham-MA)
- 21580 1659 RFI; EE bells ringing, YL "This is RFI"nx pgm, Paris Calling Africa, views & events from the French capitol, nx from around the world, tlk about stockholm tlks, mx by Bee Gees, YL w/nx of Africa, 454 (1/17 Bingham-MA)
- 21620 1621 RFI; EE OM singing, YL tlk about France exports, YL w/tlk about unemployment in France, YL w/ID, non-EE people singing, main points of nx, tlk about world bank, PCA, 252 (1/17 Bingham-MA)
- 21730 \*0915 RFI; FF time signal then nx, then news report?, 343 (1/27 Draye-S. Arabia)

## FEDERAL REPUBLIC OF GERMANY

- 3995 0308 DW; GG sounded like nx-mentioned Saudi Arabia, the US & Lebanon, 222 (1/17 Stiner-NY)
- 5085 0500 Bayerischer Rundfunk; GG ID, nx, QRM from Sofia & Oman, 422 (1/6 Wood-S.Ar.)
- 6085 2058 BR; GG OM w/ID, into nx @ top of the hour, 2205 into piano mx, 232 (1/29 D'Angelo-PA)
- 6120 0540 DW; EE tlk about a playwright, 333 (2/2 Liev-CA)
- 6145 0127 DW; EE OM pgm Germany Today, Thank Good It's Friday, Spotlight on Modern life, tlk about drug abuse in W. Germany, instrumental mx, Goodbye for now, OM w/times & Freqs, 454 (1/21 Bingham-MA)
- 7285 0200 DW; EE Asia Svce via Wertachtal, nx, contry, 322 (1/14 Dillon-PA)
- 9565 1930 DW; GG OM, ID, mx, 433 (1/14 Langlois-GA)
- 9615 0012 DW; GG nx pgm w/OM ancr, 333 (2/6 Tilley-CO)
- 9765 \*2100 DW; EE E. Asia & Pacific Svce, nx, contry on East-West relations, Dateline Cologne pgm-item on Alps & Skiing, GG mx, mailbag pgm, 343 (1/28 Krist-VA)
- 15150 1930 DW; EE ceremony for the Blues musician Alexis Korner, 222 (1/8 Stiner-NY)+1
- 17705 1930 DW; EE YL gave bands, OM First the nx, tlk about Romania, Window on the World from the Voice of Germany, lost signal entirely in QRN @ 1940, 352 (1/25 Bingham-MA)

## GERMAN DEMOCRATIC REPUBLIC

- 9560 0350 RBI; EE ID @ 0359, DX Club ends into sports @ 0403 (I moved but checked @ 0428 lang was GG, 555 (1/24 Falbo-OR), (Robinson-TN)(Stephenson-CA)
- 9620 \*2315 RBI; EE News From Home & Abroad, contry on GDR commitment for peace, item on skills training, rock for peace festival, 2356\*, 433 (1/24 Krist-VA)
- 15170 1514 RBI; FF instrumental mx, OM w/contry, lots of IDs, 544 (1/15 Thompson-CA)
- 15240 1532 RBI; EE YL & OM w/nx, YL w/ID, 333 (2/1 Talbot-Alberta)
- 15450 \*1515 RBI; EE nx, contry on GDR ship building, Peace Report-anti-US nuke items, item on Hindi books from India, 1557\*, 433 (1/14 Krist-VA), (Talbot-Alberta)
- 17880 1345 RBI; EE Southeast Asia Svce, w/tlk about US aggressive policies, 444 (1/7 Prath-FL), (Bingham-MA)
- 21465 \*1515 RBI; EE This is RBI, the Voice of the GDR b/cing to S.E. Asia, nx, contry on Stockholm conference, Rock for Peace festival, Thank you for writing-mailbag pgm, 444 (1/22 Krist-VA)
- 21540 \*1330 RBI; EE This is RBI, the Voice of the GDR, nx, contry on demonstration in support of Socialism, Round About the GDR, Thank You for Writing, 1412\*, 433 (1/15 Krist-VA)

## GREECE

- 7370 2000 V. of Greece; Greek IS, NA, s/on Greek to Balkans, 555 (1/10 Wood-S.Arabia)
- 9460 2045 VOG; GG hi-spirited folk mx, ID, 2050\*, 444 (1/14 Thunberg-PA), (Wood-S.Ar.)
- 9700 1505 VOA relay; EE YL VOA world nx, 333 (2/4 Thompson-CA)(Draye-Saudi Arabia)

## GREECE continued

- 9815 1408 Radio Station Macedonia; Greek folk mx & tlk pgm, 1430 ID & Greek pops, 353 (2/2 Mahoney-FL)  
 9865 0133 VOG; EE/Greek YL tlk on six American Senators to visit Greece, YL "This is the Voice of Greece," YL "That's all for the VOG thanks for listening," 0141 into Greek, 0149\*, 353 (1/9 Bingham-MA)  
 11645 1544 VOG; Greek YL AA-sounding chants, OM w/lively traditional Greek inst'l mx, ID 1550, brief carrier tone, 1550\*, 433 (1/15 Thompson-CA)(Draye-S.Arabia)  
 15305 1900 VOA relay; AA nx, pgm about Martin Luther King @ 1911, 232 (1/15 Dillaman)  
 15630 0855 VOG; Greek IS, anthem, 0900 Greek s/on, ID, nx, 555 (1/4 Wood-S. Arabia)

## HUNGARY

- 6025 1800 R. Budapest; II IS, nx, ID, QRM via Portugal, 533 (1/12 Wood-S. Arabia)  
 9835 0218 RB; EE OM w/sked & freqs, ID @ 0220, OM w/more sked info, mx, invitation to join their radio club, 343 (1/25 Brewer-AR)(Mahoney-FL)  
 11910 \*1700 RB; EE "This is R. Budapest, Hungary," OM gave bands, nx, tlk about Margaret Thatcher, tlk about recovery of stolen printing, skiing, ice skating, hockey, 443 (1/23 Bingham-MA)(Krist-VA)  
 15220 1000 RB; Hungarian IS, pgm to Aust/NZ, QRM Moscow in RR, 523 (12/29 Wood-S.Ar.)

## ICELAND

- 13797 1827 Iceland State Broadcasting Svce Ríkisútvarpid; Icelandic wld nx, ID, comtry, OM ancr & YL, QRM, QSB, signal ok (1/3 Cleveley-NY)

## ITALY

- 5970 0104 RAI; EE nx read by YL, including economic rankings of Italy, Italian film, USA withdrawal from UNESCO, review of nx highlights, light rock mx until 0129\*, 543 (1/5 Claytor-OH)(Fraser-MA)(Prath-FL)  
 9575 0100 RAI; EE nx, YL ancr w/usual paper turning sounds, 444 (1/23 Abbott-IL)+4  
 11800 2036 RAI; II OM w/ID, instrumental mx, tlk about Mexico, classical violin mx, 444 (1/17 Bingham-MA)

## LUXEMBOURG

- 6090 0009 R. Luxembourg; EE OM w/ID, top 30 songs, tlk about contest must have three right answers, TC, ID, mx by Vanilla Fudge, group singing pop mx, lost signal in QRM&QRN, 322 (1/9 Bingham-MA)(Gray III-MI)(Tilley-GO)(Fraser-MA)  
 15350 1615 RL; FF pop mx: Billy Joes Uptown Girl after game pgm "les Grosses Tetes"-game involving celebrities who must figure out words, 333 (1/28 Stiner-NY)+1

## MALTA

- 6110 2250 R. Mediterrean; EE nx, wx for Mediterreanean & Europe, pop mx, blasted by BBC Brazil Svce, 322 (2/6 Mahoney-FL)(Moose-VA)  
 6110 2033 IBRA Radio; EE Good mx radio b/c, mx by Eddie Rabbitt, request listeners write to IBRA Radio, Station F, Toronto, Canada, 242 (1/29 D'Angelo-PA)

## MONACO

- 9493 1053 TWR-Monte Carlo; EE Hour of Decision w/Billy Graham, OM w/ID @ 1059, sked, then s/off, 343 (1/22 Brewer-AR)  
 9775 1300 TWR-M C; SS IS, ID in EE, into SS to Spain, rel. pgm, QRM Moscow in RR, 523 (1/5 Wood-Saudi Arabia)

## NETHERLANDS

- 9895 1335 R. Nederland; EE nx read by OM (according to WRTH '84 this is non-direction) signal isn't too bad, 332 (2/1 Scheel-IA)(Mahoney-FL)(Mendez-NJ)(Soomre-MA)  
 17605 \*1530 RN; AA IS, s/on in AA w/ nx, //15560, 444 (2/4 Prath-FL)

## NORWAY

- 9525 \*2000 RNI; EE nx, Norway This Week-look at past weeks events, wx, item on mountain life saving, item on fish from Norway, 2031\*, 333 (1/29 Krist-VA)  
 11735 1802 RNI; Norwegian Not a clue!, went into some sort of sporting event, probably soccer, 333 (1/21 Stephenson-CA)  
 15160 1600 RNI; Norwegian YL w/nx, just 5 kHz from Denmark then on 15165, 444 (1/13 Wood-Saudi Arabia)  
 17710 1400 RNI; EE News & Views, Trends & Traditions, winter life, youth clubs, 453 (1/8 Fraser-MA)  
 21730 1200 RNI; Norwegian IS, EE/Norw. ID into Norw. nx, 544 (1/12 Wood-Saudi Arabia)

## POLAND

- 7125 2230 R. Polonia; EE IS, nx, comtry, //7270, 6135, 333 (1/28 Prath-FL)  
 9540 \*1600 RP; EE nx, look at Stockholm Conf., Cultural Scene in Poland, songs & mx, 1628\*, 353 (1/21 Krist-VA)  
 15120 1424 RP; AA sports pgm, 242 (1/31 Draye-Saudi Arabia)

PORTUGAL

- 6025 2052 R. Portugal; EE om talking about postcard & stamps, 332 (1/27 Draye-S.Arab.)
- 6750 0558 RP; EE end of talk on nuclear weapons, s/off & ID @ 0559, 333 (1/12 Nowicki-CA)
- 9680 1815 R. Renascenca; PP economic nx, ID, 444 (1/8 Wood-Saudi Arabia)
- 9740 2045 RP; EE using 9740 instead of 9605 to Africa, YL, nx of the week in Portugal to 2051, PP mx to 2059, s/off mx into FF 2100, 333 (1/7 Palmer-WA)
- 11730 2330 R. Renascenca; PP usual s/on, "Informacao" news magazine, transmitter problems-off & on & off @ 2344, 444 (2/6 Mahoney-FL)
- 11775 \*2030 RP; EE nx, You are tuned to the Internat'l Service of RP by OM, item on the Portuguese Institute of Science, mx s/off by YL @ 2056, 343 (1/29 Krist)
- 11925 \*0300 RP; EE accordion mx, OM w/"This is RP b/cing from Lisbon," nx, tlk about preschool education, OM gave times & freqs, YL singing, march mx, 0331\*, 454 (1/25 Bingham-MA)
- 15250 1806 RP; EE YL, nx, Communist Party leader in Portugal has been awarded the Order of Demitrios by Bulgaria, to Africa daily exc. Sunday, //17880 (322), 433 (2/2 Palmer-WA)

ROMANIA

- 9690 2007 R. Bucharest; EE OM tlk on Romanian folk songs, YL singing, tlk about different size ships, YL w/"You are tuned to RB, Romania," talk about rec. rep., times & freqs given, loud hum during b/c, 242 (1/25 Bingham-MA)
- 11940 1650 RB; Romanian? ID, address, contry, mx, 1658\*, 333 (1/16 Weikel-MI)
- 15335 0655 RB; EE contry, ID @ 0657, //15250, 233 (1/10 McKeon-IN)
- 15380 1800 RB; GG IS, ID, nx, poetry, announced only 9690, 7195 & 6190, PP to Africa is sked here but unheard, 555 (1/15 Wood-Saudi Arabia)

SPAIN

- 9360 0021 REE; SS mx, ID, tlk by two YLs, mx-Mrs. Robinson, 555 (1/27 Chituck-MD)
- 9570 1900 REE; SS interview, //7105, to Europe, 544 (1/10 Wood-Saudi Arabia)
- 11600 1900 REE; SS film discussion, ancd as 2nd Overseas svce, //17650, to Middle East, 1902\*, 15395 then continues to Africa, 555 (1/10 Wood-Saudi Arabia)
- 11715 1655 REE; AA IS, 1700 SS ID, into AA nx, QRM from Moscow, 522 (1/9 Wood-S.Arabia)
- 11840 0010 REE; EE nx, guitar mx, OM & YL anchors, YL w/Spain in the 80's, tlk of Spanish Dance Company, SS course by radio, drum mx, 454 (1/24 Bingham-MA)
- 15125 2000 REE; SS interview, //15535, 555 (1/8 Wood-Saudi Arabia)
- 21595 0854 REE; SS songs & mx w/YL tlking, 453 (1/27 Draye-Saudi Arabia)

\*\*\*\*\*  
 The Valentine's Day mail just came and with it a letter from Ron Downing-GO. Thanks for the letter. Ron has some further information in regards to Radio Rainbow! Radio Rainbow is a program produced by the BBC and aired at 0230 UTC on Wednesday & Friday (maybe others too). There is a BBC-London ID at 0200, 0230 & 0300 in Spanish. The pgm is beamed to Latin America & apparently contains English lessons. Frequencies used via the WRTH '84 are: 6055 (Delano-USA), 6110, 6155 (Antigua), 9765 (Delano), 9825, 11820 (Ascension Isl.). The Radio Rainbow listed on 6835 in the Dec. column is certain to be a Pirate using the Radio Rainbow name.  
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SWEDEN

- 9695 0230 RSI; EE wld nx, contry, OM ancr, ID, QSB, public affairs, US missiles, mx (1/4 Cleveley-NY)
- 11940 1420 RSI; EE well-produced pgm on life in the Swedish ? ice beaker service, 1427 ended w/"Bill Schiller, Saturday from Stockholm," full ID @ 1427, 444 (1/14 Brewer-AR)
- 17820 1000 RSI; Swedish IS, ID into Swedish, QRM from Mayak, 522 (1/13 Wood-S. Arabia)
- 21610 1130 RSI; Swedish IS into home svce 'Program 1', nx, 544 (1/3 Wood-S. Arabia)
- 21690 1243 RSI; EE Sweden Calling DXers, 1258\*, 353 (1/31 Draye-Saudi Arabia)

SWITZERLAND

- 3985 2215 SRI; EE finishing EE pgm & starting GG, 312 (1/29 Moose-VA)
- 7210 1130 International Committee of the Red Cross; EE ID "This is the Internat'l Com. of the Red Cross in Geneva," sked, into Red Crossroads, pgm w/story on Red Cross workers in Uganda being abducted by Ugandan guerillas (1/23 Smallwood-West Berlin)
- 12030 1515 SRI; EE light Swiss mx, IS, ID, TC @ 1530\*, 333 (1/2 Zilmer-NM)
- 15415 \*1815 SRI; EE TC, nx, summary on today's skiing championship, Great Saturday Grapevine-listeners letters, 444 (1/21 Krist-VA)
- 15440A 1530 SRI; EE Saturday Profile pgm, nx, 222 (1/21 Fisher-WI)
- 17850 1820 SRI; EE OM w/wld nx, Swiss SW Merry-Go-Round, notice that no more QSLs to European listeners for 1984, budget crunch, 433 (1/28 Henault-MA)
- 21570 \*1315 SRI; EE YL w/nx, Great Sat. Grapevine w/ results of ski contests & reading of letters, 554 (1/7 Hesch-NY)

## USSR (European)

RSFSR-European

- 4485 0712 Ufa; RR clarinet mx, tlk by OM, reception very strong & clear, 433 (1/22 Nowicki-CA)
- 4780 \*0259 Radio Moscow; RR R. Moscow IS, ID, anthem, gongs (bells?), probable nx, 0315 instrumental mx, Ute & Djibouti QRM, 222 (1/25 D'Angelo-PA)(Card-RI)  
The site is Petrozavodsk.
- 7360 0045 RM (Krasnodar); SS pgm of ballads & rock mx, IS & ID @ 0100, 443 w/slopover from WRNO (1/8 Fraser-MA)(Palmer-WA)

Ukrainian SSR

- 7100 0140 RM (Nikolayev); EE Posner tlk on American & Soviet perceptions of war, very good (1/21 Ulmer-IA)
- 7165 0530 RM (Lvov); EE Soviet Way of Life, nx brief, Life in Communist Community, 433 (2/1 Henault-MA)
- 11860 1812 RM (Lvov); EE YL w/ID, News & Views, Politburo Central Comm. meeting & US gunship violation of Nicaraguan Airspace, 544 (1/28 Henault-MA)
- 12015v 1742 RM (Nikolayev); EE mx pgm, contest, mx from TV pgm, pop mx by Olga Pokachova, //11855, 11845, 11832, 544 (1/8 Mendez-NJ)
- 15455 1338 RM (Nikolayev); EE editorial, 1342 mx, 353 (2/4 Scheel-IA)(Wimmers-VA)
- 17810 1340 RM (Simferopol); EE Lebanese songs, ID, 444 (1/6 Dillon-PA)

Unknown Sites

- Radio Moscow: 4855, 5920, 6100, 6110, 6115, 7405, 9490, 15100 & 15550
- Radio Kiev: 7185, 7205, 9686, 9685 & 9750
- Radio Vilnius: 9685 & 9750
- Radio Station Peace & Progress: 11745 & 11845

## UNITED KINGDOM

- 3955 0300 BBC; EE Pres. Reagans speech is denounced in Moscow as propaganda, 222 (1/17 Stiner-NY)
- 5975 0000 BBC; EE wld nx, nx about Britain, East Germans seek asylum in US Embassy in East Berlin, 544 (1/21 Klosowski-FL)(Dillon-PA)
- 7235 0440 BBC; RR OM read nx, gives ID "Youorit London," 222 (2/6 Sable-NY)
- 7320 0224 BEC; EE OM w/ID & nx, 0215 Network UK, spotlighting Sept. 83 mass escape at Maze Prison in Belfast, Northern Ireland, 444 (2/2 Henault-MA)
- 7325 0300 BBC; EE World News & News of England, pgm on English Poets & Poetry, 434 (1/15 Henault-MA)
- 9410 1715 BBC; EE Beach Boy mx-Good Vibrations, interview w/Beach Boy, tlk about Dennis Wilsons death, tlk on Liverpool, TC, Book Choice, 454 (1/13 Bingham)
- 9760 1930 VOA relay; EE interview w/journalist about nuclear arms talks, 444 (1/22 Rahn-IN)(Chickerell-WV)
- 9825 1921 BEC; AA two OMs w/tlk, sounded like nx background, ID @ 1923 by OM, 222 (2/1 Palmer-WA)
- 9915 2300 BEC; EE OM, ID, wld svce nx, 444 (1/21 Langlois-GA)
- 11680 1725 BEC; RR b/c badly jammed by xmtr IDing in morse as 'KB', jammer site probably near Kuybyshev, on Volga River, the Russians claim a xmtr site near Kuybyshev, but examination of satellite photos show no site there, but at Ul'yanovsk, nearby, 222 (1/12 Palmer-WA)
- 15070 1750 BEC; EE/RR another switching mixup, last year BBCWS in EE & BBC Finnish were noted at equal strength, This time it's BBCWS & BBC RR! noted with RR church nx & RR Orthodox mx, 1800 time signal, ID & RR nx, RR off @ 1815, 555 (1/15 Wood-Saudi Arabia)
- 17705 1535 BEC; EE new railroads, chemical weapons, black widow spider epidemic in Chile!, 433 (1/11 Dillon-PA)
- 17715 1600 BEC; AA wld nx, "Min Iundun," het, 322 (1/10 Dillon-PA)
- 18080 1507 BEC; EE tlk about Nigeria civilizations & military being corrupt, two fathers jailed for female circumcision, Big Ben, 453 (1/21 Bingham-MA)

## VATICAN STATE

- 11700 1948 VR; SS OM leading people in prayer-Ave Maria, organ mx, 3 chimes, IS, 343 (1/21 Bingham-MA)
- 15405 \*1359 VR; SS bells, harp IS, nx, 444 (1/15 Dillon-PA)

## WEST BERLIN

- 6190 0800 Sender Freies Berlin; GG ID, time pips, nx, US/German pops @ 0810 to 0825 f/out, 242 (2/3 Mahoney-FL)

## UNIDENTIFIED LOCATION

- 9635 0651 R. Monte Carlo; AA rebroadcast RMC (Comm Station of M.East on 1233) pgm transmitted on 1/18, FF/EE songs & mx, no ID, sig put give address at RMC, Commercials & nx are edited (back on air 0625 on 2/1 reb/cing 1/19 pgms, no signal on 1/31), 443 (1/30 Draye-Saudi Arabia) could be via TWR-M. Carlo?



NEW ADDRESS! MARK KOUKOL, 109 Pennsylvania #8, Loves Park, IL 61111

Hello from Illinois! Well, I didn't quite make it to Wisconsin after all, but this QTH is only 20 minutes from my stateline job, so I can't complain. I must apologize for two things; one, this dark type--I had to break in a new ribbon and this machine handles cloth ones only. Two, the fact that we are two pages short of loggings this month. This latter event has been forced on me due to my recent move and the time crunch from going from part-time to full-time employment. As a matter of fact, I may have to give up the column if this keeps up. At any rate, if that becomes necessary I will give enough notice so that a replacement may be found and no missing SPEEDX Africa column occurs as a result. I love doing this column, but the membership deserves a full 6 pages of info every month instead of this month's condensed version and pictures of a couple of QSLs. Well, I'd better get started if I'm going to get March in before the 22nd. Some excellent loggings here from you, as usual.

ALGERIA

17745 \*2000 R. Algiers; EE, ID "You are tuned to the Int. Svc of R. Algiers bcstg in EE" by OM, nx, "R. Algiers Mx Pgm" w/disco, 2030\*, 333(1/28 Krist-VA)

ANGOLA

3355 0500 R. Nacional; PP, vibraphone IS, complete ID w/freqs & ment. of Luanda, then into pres. nx, followed by hi-life mx, 333 (1/17 Sharp-FL)

3970 0507 Em. Prov. da Huila; PP, nx by OM, prob. Luanda relay, then clear ID, flute mx & hi-life, 333(1/16 Sharp-FL)

4895t \*0510 Em. Reg. do Bie; PP, opens @0510 w/flute-like IS, NA & unintelligible ID @0514 & into hi-life mx, het de UT OC, pr (1/13 Parks-FL) @0515 w/NA by military band, apparent ID ment. Angola and Bie, not hrd since, 343(1/17 Sharp-FL)

4970 0443 Em. Reg. de Cabinda; PP, pol. type harangue on RSA by OM, ID as R. Nac. de Cabinda @0445, fr/pr(1/13 Parks-FL) 0430 w/pgm of cont. hi-life & chanting vocals to 0447 ID "...Em. Reg. de Cabinda", into OM tx, gd when Rumbos is off, 233 (1/17 Sharp-FL)

5015a 0521 Em. Prov. de Namibe; PP or vern., tx by OM prob. in vern. but hrd some PP, clear ment. of "Namibe" @0530 into pgm of lcl mx, this prob. Barto's unid. from Feb., 322(1/18 Sharp)

5040t 0518 Em. Reg. do Benguela; PP, cont. hi-life w/distinct Angolan mx but no ID, pr(1/16 Sharp-FL)

9535 1605 R. Nacional; PP, YL tx, Afro mx, 343(1/19 Thompson-CA)

BOTSWANA

4848 \*0351 R. Botswana; Barnyard IS to 0358 NA, s/on ann. in lang & EE by OM, relig. sermon then mx, //7295 noted after 0400 w/better sig(444), 343(1/15 D'Angelo-PA) +7!

7295 \*0350 R. Botswana; unmistakable barnyard IS, good lvl & much better than //4848, choral NA, mumbled opening anns w/def. reference to "41 meter band", 333(1/22 Cunningham-OH) Power house sig at 0400, still in at 0520, 555!!(1/28 Sharp) +3

The new year did indeed bring in a few surprises! Note QSL info in 1984 WRTH entry--gulp! Maybe policy will change w/new xmtng facility in use.

-MK

CAMEROON

4750t 0933 R. Bertoua; FF, tent. ID, end of nx rpt followed by flute & drum mx, 222(1/26 Nowicki-CA) Seems too late for this one, OM, & past listed 0800\*-MK

COMOROS

3331 0301 R. Comoro; Comorian?, tx by OM, into Koran recit., Rwanda rptd by BBCMS not audible--Comoros not hrd past this date, 333(1/24 Sharp-FL)

CONGO

15190t 2109 RTVC; FF, no ID, OM w/poss. nx & a few Afro mx selections, never gd sig here, pr(1/13 Cereghin-MD)

DJIBOUTI

4780 \*0300 R. Djibouti; Somali, Koran recit., nx, mx, best reception so far, 1 1/2 hr copy, RTTY QRM, worth the effort!, 322(1/30 Card-RI) 322(1/24 D'Angelo-PA)(1/23 Brenesal-FL)

EQUATORIAL GUINEA

4925 2112 R. Bata; SS/lang., OM w/tlk, some Afro mx, ID w/s/off ann, long-long NA(a good 4 minutes), carrier cut after NA, 2130 s/off, 353(1/18 D'Angelo-PA)

6250 2140 R. Malabo; SS/lang., Afro mx, some anns, poss. nx before s/off ann, long NA, 2205\*, much weaker than Bata 4925, 1+42(1/15 D'Angelo-PA)

ETHIOPIA

9560 1410 VORE; ?lang, distinct Somali & lcl flute mx, battling it out w/co-channel R. Nac. de Venez., Cuba low & VOA high, vy pr(2/6 Sharp-FL)

GUINEA

15310 1825 LV de la Revolution; EE, nx abt PLO & usual anti-US prop., some mx, 779650(252), 322(1/15 Card-RI)

IVORY COAST

4940 0655 RTVI; FF, OM w/nx, sounds lcl nx w/ments. of Abidjan, no ID at 0700, only decent sig. on band, 322(1/12 Palmer-WA)

KENYA

7740 1200 VOK; Swahili, nx, ID "Hii ni Sauti ya Kenya", "Aspro" ad, "Wonderful Words of Love" trumpet solo, fascinating Sunday comm. pgm, 444(1/15 Wood-Saudi Arabia)

LESOTHO

9515 \*0355 BBC Relay; EE, Bow Bells IS till 0359, then opening ID by M w/target as Africa, relay site as "Atlantic Relay Stn", & //freqs of 7105 & 6005, into nx, direct feed from Ascension explains "Atlantic Relay" reference, 333(1/9 Cunningham-OH)

NIGERIA(out-of-order, sorry!)

4932 \*0431 FRCN Lagos Ed. Svc; EE, tlking drums IS to 0432 "This is the Ed. Svc. of RN bcstg from Lagos", into NA, another ID w/freq & mb given to 0436, gd(1/22 Sheedy-CA)

6100 0530 Borno Radio Corp.(Maiduguri); disco/Afr pops, OM ancr in EE & vern., covered by YVTO, hrd once at 1600, (1/23 Witte-CA)

MALAWI

3380 0355 MBC; Chichewa, tx by OM, clear ment. of "MBC", brief mx to 0400, into pres. nx by OM, getting weaker & gone by 0430, 454(1/24 Sharp-FL)

NAMIBIA

3270 0205 R. SWA; AK/EE, light vocal & inst. pop mx, //much better 3295, beaten half to death by RTTY stn on top. AK ID 0217, @0230 clear EE ID "This is the All-Night Svc of R. SWA", guitar IS once, & back to same dull mx, 322(1/25 Cunningham)

3295 0432 R. SWA; AK, OM w/wide variety of mx, OM at times tx continuously for several min., 433(1/23 Palmer-WA)

NIGER

5020 0432 ORTN; vern., blasting through this nite w/lcl-AA mx, always a gd sig here, gd(1/25 Cereghin-MD)(John, s/on not listed until 0530--are you sure you don't have Gjiroaster which often has AA-sounding mx here??-MK)



5020 0530 ORTN; FF, military band NA, then brief flute IS, quick OM ID & immed. into Koran, severe co-channel QRM, 422(2/4 Sharp-FL) @0534 tent. w/YL in FF w/ann & poss. ID, Afro drum mx, 433(1/30 Van Horn-TX)

RWANDA

3330 1825 Rdf. Rwandaise; FF w/political tlk, 433(1/8 Wood-Saudi Ar.)  
9735 1537 DW Relay; EE w/ID, interview, Africa nx, 333(1/26 Van Horn)  
11965 1506 DW Relay; EE, OM w/"Window on the World" nx & cmtry, Ethiopian rpt, 333(1/24 Cox-CA)

SENEGAL

4890 2212 ORTS; FF, "Ici Dakar" by OM, into variety of mx--blues, pop, lcl, quite enjoyable, 333(2/3 Sharp-FL) @0715 OM in vern. w/Afro mx & much tx, 323(2/5 Schmautz-NY)(2/6 Tilley-GO)

SEYCHELLES

11755 0357 FEBA; "What a Friend" IS, AA ID's ending w/"Seychelles", into 0400 opening AA ann & relig. pgm(1/24 Smallwood-FRG)  
15410 1815 FEBA; AA, IS, ID & into AA pgm, "On Top of Old Smokey" song, QRM de VOA 15410, 433(1/14 Soomre-MA)  
17875 1100 FEBA; s/on, sermon in Lebanese AA, //15405, 544(1/12 Wood)

SOMALI REP.

7200 1400 R. Mogadishu; march s/on, Somali nx, here daily & still producing parasites on 7173 & 7227, both loud, 544(1/1 Wood-Saudi Ar.) \*0300 in Somali, Koran @0303, poss. nx w/OM 0307, into Somali mx 0320, OM ID @0328, 322(1/26 Mahoney-FL) 0440 in Somali w/lcl mx to 0447, then tlk by OM w/ments. of US & other countries, ARO QRM, 333(2/3 Sharp-FL)

SOUTH AFRICA

3320 0350 SABC; Ak, s/on w/IS & cock crow, //better 4880, never hrd here before--found on any lists?(this freq sked here in '84 WRTH-MK) 333(1/21 Sharp-FL)  
3930 0330 Capitol Radio(Transkei); EE, rock mx, ID, short wx rpt, sports nx, TCs, nx @0400, 222(1/12 Soomre-MA)  
4835 0412 SABC; EE, interviews, lcl nx, ID, agriculture nx, 444(1/30 Van Horn-TX)  
4880 2138 SABC; Ak, EZL mx, occ. tlk, address @2152, more mx to 2158 ann, anthem, time pips & s/off @2200, 343(1/2 D'Angelo-PA)

SUDAN

5040 0438 R. Omdurman; AA OM w/nx, pause @0444 followed by ID & into soft instrumentals @0445, long pauses btwn anns & mx, 353 (1/15 D'Angelo-PA) 5039t @0422 w/Koran recit. to past 0430, no ID noted, usually audible if LA stn allows, 222(2/3 Sharp)

SWAZILAND

5955 1559 TWR; s/on w/chimes & OM ID, into GG pgm, fr(1/18 Witte-CA)

TANZANIA

5050t 0408 R. Tanzania; EE/Swahili, pres. nx by OM, missed prob. 0410 ID, then apparent brief EE tlk, into Swahili vocals & mx, 333(2/3 Sharp-FL)  
9748,5 1900 R. Tanzania; EE, nx by OM w/Afro accent, 544(1/10 Wood-SAR)

TOGO

3222 0530 RT Lama Kara; FF, NA & OM ID "Ici Lama-Kara, LV de la Nouvelle Marche", into lcl mx, f/out 0547, hrd irregularly, 333(2/3 Sharp-FL)  
5047 0529 RT; distinctive IS, marching mx, full ID by OM & s/on in FF, 333(1/8 Johnson-IL) chime IS to \*0530, NA, ID & into mx, (1/26 Smallwood-West Berlin)

TUNISIA

7225t 0408 RTVT; AA, lengthy Koran recit. noted amongst perpetual slop of 41m, tx by OM 0420, no ID hrd, (2/8 Sharp-FL)  
11745 1948 RTVT; AA mx w/OM & YL anncrs, 322(1/24 Dillaman-OH)

UGANDA

5027 0318 R. Uganda; EE, pop mx pgm(have pity on us!), w/lots of lcl stuff, OM DJ w/IDs & ads, murderous RTTY QRM on high side, pr(1/17 Cereghin-MD) @0410 EE YL w/African nx, followed by lcl anns, then list of lcl deaths read by OM, into vern. at 0425, 232(2/3 no name) +6

10052h 2000 R. Uganda; EE DJ show w/Afr & Western mx, 2nd harmonic of 5026, loud enough perhaps to make ECNA, 444(1/14 Wood-SAR)

UPPER VOLTA  
4815 2130

RTVV; FF/vern., drama in progress, flute mx 2154, OM tx 2157, mx 2200, OM FF ID @2207, 333(Brenesal-FL) FF ID 2259 "Ici Ouagadougou...60 mtr band" into OM w/discussion pgm, f/out under UT @2320, fr/pr(1/24 Parks-FL)

ZAIRE

5066 0410 R. Candip; FF/vern., tx by OM & pgm of light mx, no ID but presumed as //3390 also in(333), 323(2/5 Sharp-FL)  
7295t 0400 R. Mbuji-Mayi; lang., vy weak stn w/clear OM ments. of Zaire, QRM from irr. Botswana not helping, 311(1/25 Sharp)  
15245 1500 LV du Zaire; FF pol. tx, hummy mod., 544(1/13 Wood-SAR.)

ZAMBIA

4910 0350 ZBS; IS, s/on in EE, lcl nx in vern., short pieces of inst. mx, 433(1/21 Soomre-MA) @0427 w/cont. chanting by OM in Bantu dialect w/rapid drum beats every few secs, @0429 OM ment. "ZBC" & into "One Zambia, One Nation" pgm in EE, 333 (1/31 Sharp-FL)

ZANZIBAR(sorry, should be under Tanzania per EDXC list)

3339 0310 R. Tanzania Zanzibar; Swahili tx by OM w/ment. of Zanzibar amid much lcl mx & chants, hrd irr. but in surprisingly well tonight, 333(1/25 Sharp-FL)

ZIMBAWWE

3306 0403 ZBC(Radio 2); EE/vern., world & lcl nx by YL w/tx by OM on topics of regional interest after, pr signal!, 222(2/4 Sharp-FL)  
3396 0421 ZBC(Radio 1); EE, pgm of cont. disco mx w/occ. tx by OM, requests & dedications at 0427, not // to 3306, 322(2/5 Sharp-FL)

CLANDESTINE

7386 1800 VBME(Voice of the Broad Masses of Eritrea); detailed world nx in Tigrinya, 544(1/12 Wood-SAR)  
9027 0445 R. Vatan(Egypt); Farsi anti-Khomeini tx, romantic mx which is forbidden in Iran(a fun place-MK), 333(1/6 Wood-SAR)  
9960 1400 VBME; pol. tx in Oromo, chased by jammer to 9982(1/8 Wood)  
11335 1855 V. of the Libyan People(Egypt); AA, ID "Huna Sawt ul-Shaab al Libiya", AA mx, severely jammed, this is stn mis-ID'd as SPLAJBC by Frodge in Jan SWL, freq varies as noted at times on 11355, 11380, 11395, etc., 422(1/10 Wood-SAR)  
15555 0445 R. Vatan(Egypt); Farsi pol. tx, //9027, 444(1/6 Wood-SAR)



POST C



To the left is an old QSL from R. Botswana; they were a lot harder to get back then but were OK verifiers; Veri stmnt is a hand-stamp on reverse of picture postcard.

**RADIO BOTSWANA**

CHIEF ENGINEER,  
BROADCASTING HOUSE  
GABORONE, BOTSWANA

Confirming your Reception Report  
on this Station  
73's 3356 KH2

PRINTED FOR BOTSWANA GOVERNMENT.

M.L Koukol  
1232 N. Eagle St.  
Naperville  
Illinois 60540  
USA.

Sable Antelope on the Mababe Depression, Botswana

CTP LTD

REPUBLIQUE DE GUINEE

CONAKRY, LE

7 Janvier 1969

PRESIDENCE DE LA REPUBLIQUE

SECRETARIAT D'ETAT CHARGE  
DE L'INFORMATION, DU TOURISME  
ET DE L'I. N. R. D. G.

LE DIRECTEUR DE LA RADIODIFFUSION NATIONALE

RADIODIFFUSION NATIONALE

A M MARK KOUKOL  
1232 North Eagle Street  
Hopewille Illinois 65110

N° ..... INFO - RADIO

Monsieur,

Nous avons l'honneur d'accuser réception de votre lettre du 27... Hopewille... 19. 68 relative à votre rapport d'écoute dans une émission de la Voix de la Révolution (Radiodiffusion Nationale de la République de Guinée), le 27. 1/1968

Après vérification des indications que vous avez bien voulu nous fournir, c'est bien notre Station que vous avez capté.

En vous remerciant de votre sincère collaboration nous espérons que vous continuerez à nous envoyer vos rapports.

Veuillez agréer, Monsieur, l'expression de nos salutations très distinguées.

# EMISSORA DA GUINÉ PORTUGUESA Q. S. L.



CONFIRMAÇÃO OFICIAL DE RECEPÇÃO  
VERIFICATION OFFICIELLE DE RECEPTION  
OFFICIAL VERIFICATION OF RECEPTION

Ao Exmo. Sr.  
To Mr.

MARK KOUKOL

AMERICA

Conakry, above, never was a very reliable verifier, but at least in '68 they did verify on occasion; they also used a broken-EE form translation of the above.

Former Portuguese Guinea was easier to log 15 yrs ago than today's Guinea-Bissau; frequency has remained unchanged, however (left). 1984 WRTH shows 5040 in use 0600-2400 in Portuguese and is apparently irregular on shortwave. Oh, for those 1969 sunspots!

Agradecemos e confirmamos as vossas informações

Nous remercions et confirmons vos informations  
We gratefully acknowledge as correct your report

De escuta da nossa emissão do dia

Au sujet de notre émission de  
Concerning our broadcasting of

26 / X / 1969

Na frequência de

Dans la fréquence de  
In the frequency of

5040 Kcs.

Bissau, 17 / XI / 1969

Radio Gambia,  
Banjul,  
Republic of The Gambia.

RG/06B.Vol. / ( )

. 2 . 1 1 . . . . 1 9 . 7 . 4 .

Dear Sir,

Thank you very much for your communication of 23/2/74 enquiring about Radio Gambia. I have pleasure in confirming/~~am unable to confirm~~ that the station heard was Radio Gambia.

Radio Gambia is a Government-owned broadcasting service, and is on the air from:-

6.30 a.m. - 8.00 a.m. )	} Mondays - Thursdays
12.00 p.m. - 2.00 p.m. )	
5.00 p.m. - 11.00 p.m. )	
6.30 a.m. - 8.00 a.m. )	} Fridays
12.00 p.m. - 2.15 p.m. )	
5.00 p.m. - 11.00 p.m. )	
8.30 a.m. - 2.00 p.m. )	} Sundays
4.30 p.m. - 11.00 p.m. )	

Most of the programmes are produced and recorded locally by Radio Gambia staff, although some use is made of recorded material supplied by the BBC and other organisations. Most of our programmes are in English, Wolof or Mandinka, the languages most widely spoken in The Gambia; we do however, broadcast in the other African languages spoken here, namely Fula, Sarahule and Jola.

The transmission of our programmes is carried out by Cable & Wireless Ltd., who use a Marconi HS-31 transmitter with a power of 3.4 KW and a vertical incident radiator orientated so that the maximum lobe is in a East-West direction. The frequency is 4820 Kc/s in the 60 metre band.

Radio Gambia started regular broadcasting on 1st May 1962 and the aim has been to provide a service of broadcast information, education and entertainment; there are also religious broadcasts by the Islamic religion and by three Christian denominations.

The Gambia, which attained Independence on 18th February, 1965, and became a republic on 24th April, 1970, is the closest English-speaking tropical country to Europe. There is a population of some 494,279 people (1973 census) about 39,476 live in and around the capital city, Banjul. The rest of the people live in rural districts. The people of The Gambia are predominantly Muslim.

A copy of our current programme schedule is attached.

Thanking you for your interest in Radio Gambia.

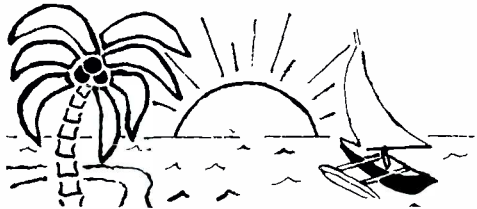
I remain,  
Yours faithfully,

  
DIRECTOR OF INFORMATION & BROADCASTING SERVICES.

The above is one of my best QSLs, from now inactive (on SW) Radio Gambia. For years they were one of the hardest Africans to hear due to an early s/off time, but during the last part of their presence on 4820 they had an extended s/off (as you can see from the form letter's sked) which helped us Mid-Westerner's to bag 'em. Have seen very tentative rpts of them about a year ago during the "Senegambia" plans (which apparently has yet to be pulled off) but these were never verified by others & I doubt they are on even irregularly now.

# ASIA-OCEANIA

EDITOR:  
BOB THUNBERG  
409 Burt St.  
DuBois, PA 15801



DEADLINE: 12th of each month  
FREQUENCIES in Khz  
TIMES are in GMT  
\*0000=sign on 0000\*=sign off

Welcome to the windy month of March; I'll try not to be too long-winded myself. It seems that antenna mounting season is almost upon us; it was 60 degrees here two days ago. Maybe the Punxsutawney groundhog (whose QTH is 20 mi. south of DuBois) was wrong this year. I would probably be hung in Punxsy for even suggesting that-hi! I recently received my 1984 edition of the World Radio and TV Handbook which includes an informative article on Indonesian shortwave stations. This article should prove helpful to A/O listeners inclined toward DX'ing this interesting part of the world. To those of you new to the SW hobby, the WRTH (along with the SPEEDX bulletin) is a must for serious listening and DX'ing. As Ed McMahon would put it: ANYTHING you ever wanted to know about the SWEC stations of the world is included in this publication.

Some interesting logs were received this month, including various Chinese, Indian, and N. Korean regionals; and also a more extensive list of transmissions from Radio Pakistan. Nuf said; let's get to the loggings:

- A F G H A N I S T A N R. Afghanistan  
4740 0140 RA: Pushtu/Dari: tlk by OM, local mx(232 1/29 Soomre-MA) @0310 unid. lang w/ native Asian/Moslem mx, occ. ID's.// 4450 not hrd(fr 1/16 Cereghin-MD)
- B A N G L A D E S H R. Bangladesh  
15430 1445 RB: Urdu: Banla film mx(544 12/30 Wood SAR) old log but I included it because few RB rpts are rcvd. RBT
- B U R M A Burma Best Svc  
4725 1401 BBS: Burmese?: vocal mx, YL anncr (232 1/21 Thompson-CA)
- C H I N A R. Beijing and various regionals  
2490 2005 Fujian(PLA): CC: ID, soft CC mx (344 1/10 Wood-S.Ar)  
3310 1340 PPBS-Jilin, Changchun: CC: YL w/CCtlk, mx-pr mod.(534 2/3 Berri-CA)  
3400 1312 Fujian (PLA): CC: opera mx, tlk by YL, ID at 1338(434 2/3 Berri-CA)  
5535 1405 FFS # 1: CC: string instl mx, OM w/tlk, poss. freqs(333 2/1 Berri-CA)  
5640 1328 Fujian (PLA): CC: soft tlk by YL, def. ID w/ment. of Fujian at 1338. // 3535 (444 2/3 Berri-CA)  
4230 1350 CPBS2-Beijing: CC: OM w/tlk, orch. mx, ment. of Harbin(545 2/3 Berri-CA)  
4830 0858 Liaoning PBS: CC: pips at 0900, folk song, ID by OM, tlk & JJ lang. course (343 1/3 Yoneda-JP)  
4990 1309 Hunan PBS: CC: folk mx, ID by YL, JJ lang. course(343 1/31 Yoneda-JP)  
5320 0935 CPBS-1 Beijing: CC: trad. CC mx w/gongs, cymbals, flute; nx at 1000. (343 1/14 Nowicki-CA) I hope you don't refer to them as "Red China" when you write them Mike-they are very sensitive about that. RBT  
5770 0950 FFS-2: CC: tlk, nx at 1000 into mx (232 1/20 Nowicki-CA)  
5860 1340 CPBS-1 Beijing: CC/EE: OM & YL w/EE lesson(444 1/23 Berri-CA)  
5990 1300 CPBS-2 Beijing: CC: time sig, 6 pips, ID, nx(444 1/11 Wood-S. Ar)  
6260 1300 Qinghai PBS: CC: ID, light drama (333 1/4 Wood-S. Ar)  
6665 0835 CPBS-1 Beijing: CC: YL narrator, CC opera //9064(322 1/12 Hotaling-Nv)  
6930 1835 RB: RR: exc. RR folk mx, nx at 1845. Said "goodbye" in RR & 1855\*; //s hrd(most w/jamming):7345,7405,7050,7600,7610,7700,7780. On agn on 6930 w/IS & "Govorit Peking". (232 1/12 Palmer-WA)  
7225 1327 Sichuan PBS: CC: mx, drama, ID by OM(433 1/24 Yoneda-JP)  
7375 2000 RB: Polish: s/on, boring nx of steel production. (544 1/10 Wood-S.Ar)  
7620 2218 RB: PP: CC mx, sked, ID(233 12/29 Robichaud-W.B.)@ 1400 in CC: mx, ID (454 2/3 Berri-CA)  
9820 1122 RB: EF: cnty; history of CC pottery ind.; Listener's Letterbox(444 1/8 Cox-CA)

9860 0000 RB: EE: headline nx, Chinese Premier sends greetings to US & Canada. (433 1/3 McDowell-IL) @0113 in EE w/rpt against independence for Taiwan; instl mx pgm(332 1/25 Bingham-MA) @ 0925 in EE beamed to Australia and Pacific (333 1/8 McKeon-IN)

11650 0050 RB: EE: lcl mx pgm, rpt on power plant construction(322 2/6 Tilley-CO) (232 Bledsoe-FL) @ 0429 in EE w/"The Land of the People", CC mx(454 1/21 Moore-TX)

11685 \*1200 RB: Cantonese: ID "Badking bor deen toy", nx (544 1/13 Wood-S. Ar)

11860 0000 RB: EE: nx, quiz, Learn to Speak Chinese, tlk on Chinese countryside and children's education.(232 1/12 Dillon-PA)(444 1/30 Stephenson-CA) @ 0100 in EE: nx; rpt on tailor's school(454 1/21 Fraser-MA)

15030 1030 CPBS-2 Beijing: CC: ID, political tlk (454 1/8 Wood-S. Ar)

15125 1900 RB: PP: nx bcst to Africa // 11685 (544 1/3 Wood-S. Ar)

C Y P R U S

BBC Relay; Cyprus Bcst Corp.

3990 1740 BBC: EE: World Svc. // 3915 Singapore (242 12/31 Miyauchi-JF)

6010 \*1615 BBC: Persian: s/on noted just 45 sec. after Singapore ended xmsn in Urdu; YL w/nx; listed //s 7160 & 18080 unuseable but 18080 clear at 1635 as sun rose higher. (322 1/27 Palmer-WA)

6030 \*2212 CBC: Greek: guitar IS, ID, nx by OM into mx (343 1/15 D'Angelo-PA)

17885 1625 BBC: EE: rpt of British troops in Beirut(322 1/29 Abbott-IL) WRTH lists this freq. as Ascension. RBT

I N D I A

All India Radio regionals and Ext. Svc

3905 1945 AIR Delhi: AA: mx, nx, s/off (444 1/14 Wood-S. Ar)

7235 1453 AIR Madras: lang: Indian mx; OM ann, laughing & tlk. Sounds like commercial svc stuff. India was coming in this AM better than I've ever had it in 34 yrs. DX'ing. (222 1/31 Palmer-WA)

7413 1453 AIR Delhi: EE/Hindi: YL w/spts nx in EE; OM w/same in Hindi. QRM poss. de Kol Israel on 7412 (322 1/31 Palmer-WA)

9950 1355 AIR Delhi: Hindi: nx ID as "Akashvani" (444 1/8 Wood-S. Ar) @ 1550 in EE: YL w/cmty on political events in 3rd World; OM w/intro to Indian mx; ID "You are tuned to Delhi" (322 1/31 Palmer-WA)

10335 1512 AIR Delhi: lang: Indian mx; YL & OM w/tlk poss. nx(222 1/19 Hotaling-NV)(433 1/19 Thompson-CA) @ 1604 in EE: interview; political disc. // 9950. Still on beyond 1700 w/mx (232 1/31 Palmer-WA)

11620 2045 AIR: EE: mx, tlk on development and progress, nx sked. RTTY QRM and flutter(222 1/26 Fisher-NM)(322 1/20 Mendez-NJ)

15265 1815 AIR: EE: tlk on production; weak mod. (544 1/8 Wood-S. Ar)

I N D O N E S I A

(The following logs from Kusalik are somewhat outdated, but I believe they deserve to be included because of their quality. RBT)

3225 1526 RRI Tanjung Pinang: IN: noted w/Kroneong mx, Koran, s/off ann, clear ID. Off w/"love Ambon at 1545 (12/23 Kusalik-ALB)

3250 ? RRI Banjarmasin: pgm of pop mx, ID, nx relay. Ute QRM(fr 12/26 Kusalik)

3815 1335 RFDPT? Labuhanbatu Rantauaprat: IN: YL interviewing OM w/audience(444 2/3 Berri-CA)

4845 1340 RRI Ambon: IN: EZL & pop mx; YL w/perfect ID, 3 time beeps into lcl nx. Very strong sig.(12/26 Kusalik-ALB)

5886 1133 RRI Pekanbaru: IN: AA style mx, lcl nx by YL, ID; woodpecker QRM(fr/pr 1/20 Parks-FL)

6045 1410 RRI Jakarta: IN: has reactivated this trad. freq; nx, full ID at 1412 "Inilah RRI Jakarta, gelombang 2...Mhz" (444 1/8 Wood-S. Ar)

I R A N

VOIRI

7230 1825 VOIRI: AA: political tlk // 15084; jammed (522 1/8 Wood-S. Ar)

9022 1930 VOIRI: EE: nx by OM on war w/Iraq (454 1/15 Card-RI) @ 0041 in Farsi: ID; vy weak(342 1/19 Chitack-MD)

I R A Q

R. Baghdad; Sawt ul Jamaheer(home svc)

3129 1715 SuJ: AA: ID "Sawt ul Jamaheer min Baghdad"; 2000 s/off; much louder than 3367 in Farsi.(555 1/12 Wood-S. Ar)

9610 2204 RB: EE: cmty, Koran recitation, instl & vocal mx, address, march mx & off. at 2230(232 1/7 McKeon-IN)(444 1/25 Bingham-MA)

9745 2110 SuJ: AA: AA mx, ID, AA soap opera; f/out at 2146(343 1/14 Dillon-PA)

21585 1815 SuJ: AA: romantic drama, ID (444 1/8 Wood-S. Ar)

I S R A E L

Kol Israel

7410 2237 KI: EE: rpt on situation in Lebanon, nx, mx(554 1/21 Hesch-NY)(444 1/31 May-OH) @ 0018 in EE: "Spectrum" pgm, mx(352 1/10 Bingham-MA) (322 2/6 Tilley-CO) @\*0100 in EE until 0125\*(555 1/17 Krist-VA)

9009 2000 KI: s/on, wld nx beamed to Africa (222 1/31 May-OH)

9440 2000 KI: EE: wld nx; "Face to Face"; instl mx, relg pgm into FF at 2030.  
(322 1/5 Dillon-PA)(454 1/20 Bingham-MA)(344 1/26 May-OH)

9815 1920 KI: RR: YL w/tlk; Israeli mx; telephone interview. Usual jamming of RR  
bcsts not present(433 2/1 Palmer-WA) @ 0230 in SS: nx, mx, interview  
w/Mr. Levi-Zionist leader in Peru(433 1/25 Mendez-NJ) @ 0100 in EE: tlk  
of imprisoned dissident(555 1/21 Klosowski-FL) @ 2230 EE: Israeli cab-  
inet pays tribute to Maj. Haddad(555 1/15 Robinson-TN) +5

11655 2010 KI: EE: "Life in Israel": DX Corner; rpt of Elliot Gould's 1st visit to  
Israel (433 1/15 Langlois-GA)(1/25 May-OH)(1/11 Bingham-MA)

11960 2010 KI: EE: tlk on Soviet-Jewish immigrants (343 1/31 May-OH)

**J A P A N**  
3925 1405 R. Japan; Japan Best Corp (NHK); Nihon SW Best  
NSB: JJ: "Chariots of Fire" instl; OM w/tlk (322 1/20 Thompson-CA) at  
0840: JJ: piano jazz mx (433 1/22 Nowicki-CA)

3945 0852 NSB: JJ: OM & YL tlk show; nx at 0900 (232 1/23 Nowicki-CA)

9505 \*1100 NHK: EE: nx, mx interlude, cmt(444 1/2 Cox-CA) @ 1504 EE: nx, "Current  
Topics"; DX Corner (544 1/6 Thompson-CA) IA)

9525t 1439 NHK: lang: YL ment. NHK then OM w/tlk. 84 WRTH no help(333 2/1 Scheel-  
9675 1720 RJ: EE: OM w/tlk of St. Valentine's Day in Japan, nx; QRM de Moscove.  
(322 1/29 Abbott-IL)(422 1/10 Wood-S. Arabia)

15300 2102 RJ: EE: nx, mx, cmty on US & USSR relations as it concerns Japan. s/off  
at 2130(232 1/23 Swinn-CA) @\*2345 EE: economic nx;"Japan Scene" pgm on  
archaeology(252 1/14 Fraser-MA)(353 1/21 Krist-VA)

17755 2223 RJ: EE: cmty on Japanese economy; 2230\* (343 1/29 Brewer-AR) @ 0110 in  
EE: nx, mx; "Current Topics" on robots (444 2/2 Swinn-CA)

17825 \*2345 RJ: EE: "Current Affairs" pgm on Australian koala, nx(333 1/19 Krist-  
VA)(333 1/23 McKeon-IN) @ 0156 EE: "Tourist Guide" of Shima Peninsula;  
JJ Lang. lesson (444 1/27 Gibson-CA)

21610 0145 RJ: EE: disc. of SW reception and sunspots for 1984 (444 2/8 Valentine-  
CA) at 0700 in GG: JJ/EE ID into GG nx (454 1/1 Wood- S.Arabia)

**J O R D A N**  
9530 1100 R. Amman  
RA: AA: ID, time sig & TC, nx; active agn after some weeks off the air  
or open carrier only. (544 Wood-S. Arabia)

**K O R E A (North)**  
2850 1420 R. Pyongyang; Korean Central Best Stn  
KCBS-Pyongyang: KK: class. mx, some w/haunting vocals by YL chorus; OM  
ann. I estimate over 100KW power-really gets thru!(333 1/31 Palmer-WA)

4120 1402 V. of Rev. Party for Reunification of Korea: EE: YL w/ID, freqs (MW &  
SW), rev. tlks (444 2/2 Berri-CA)

6601 0740 KCBS: KK: YL w/tlk, class. mx (333 1/29 Berri-CA)

9360 2100 RP: EE: ID by OM, nx by YL & OM (333 1/5 Talbot-ALB) @ 1950 KK: s/off  
after ID & anthem. //9977 (444 1/14 Wood-S.Arabia) 1/3 Cox)

9745 1109 RP: EE: YL w/cmty on cultural development and Party reunification (444  
15230 2330 RP: EE: cmty on reunification of N & S Korea; symphonic mx (332 1/12  
Gray-MI)(222 1/23 McKeon-IN)

**K O R E A (South)**  
R. Korea  
7550 1930 RK: AA: s/on, nx, request mx. //6480 (544 1/14 Wood-S.Arabia)

9750 1402 RK: EE: Korean & wld nx read by Jack Bason(?); cmty on Soviet military  
operations in N. Pacific(555 2/1 Scheel-IA)(323 1/8 Cox-CA)

9870 2030 RK: SS: s/on, nx; poor SS accent (544 1/14 Wood-S.Arabia)

15575 \*0200 RK: EE: wld nx, cmty, KK folk mx(333 1/29 Swinn-CA)(333 1/8 Pfeffer-NY)  
@0043 in PP (454 1/25 Brewer-AR)

**K U W A I T**  
R. Kuwait  
11675 1840 RK: EE: YL w/nx & wx, ID, mx, tlk on Islamic Conference and Kuwait Uni-  
versity(333 1/21 McKeon-IN)(444 1/17 Bingham-MA)(433 1/28 Abbott-IL)

11990 1410 RK: AA: Qu'ran recitation, AA mx, ID by OM(454 1/16 Shimada-JP)

15495t 1400 RK:AA: Qu'ran chants, call to prayer "Bismillah Ar-rahman ar-rahim.."  
"as-salam alaykum" by YL; AA mx (232 1/15 Dillon-PA)

**L E B A N O N**  
R. Lebanon; V. of Hope  
6215 0452 VoH: EE: feature by Genl. Mgr. Charles Pollack on death of Maj. Haddad,  
nx & wx, soft mx, ID & TC; Bible quote(242 1/15 D'Angelo-PA) at 1940  
in RR: Christian relg. pgm (444 1/14 Wood-S.Arabia)

9545 1015 RL: AA: ID, mx (444 1/11 Wood-S.Arabia)

**M A L A Y S I A (Peninsular)**  
V. of Malaysia  
15295 1845 VoM: AA: DJ show, "Rainy Days and Mondays Always Get Me Down"; we don't  
get many rainy days here (544 1/8 Wood-S.Arabia)

I think I finally have the Malaysian country situation straightened out. RBT

M A L A Y S I A (Sabah) Kota Kinabalu  
4970 1545 Kota Kinabula: EE: YL ann w/Malaysian pops into meditations and Indian mx. S/off @ 1600 (vy gd 1/24 Witte-CA)

M A L A Y S I A (Sarawak) R. Malaysia  
4895 1412 RM: Bahasa Malay: OM w/singing & chants, YL w/tlk; QTH & ID by OM into rock mx (333 1/20 Thompson-CA)  
4950 1430 RM: EE: nx, mx interlude (EZL & Malaysian), ID's, cmty(333 1/15 Cox-CA) (433 1/20 Thompson-CA) @ 1530 EE: Malay mx(gd 1/24 Witte-CA)

M O N G O L I A R. Ulan Bator  
4850t 1253 RUB Home Svc: lang: piano instl mx to 1300; YL tlk in Asian lang into vocal and sub-cont. mx. f/out by 1330. Any help on this? (242 RBT-PA) Oh yea- date was 1/20.

N E P A L R. Nepal  
5005 1455 RN: EE: nx on visit of "Their Majesties the King and Queen" to Japan; temp. for Kathmandu; ID "You are tuned to R. Nepal"(444 12/29 Wood-S.Ar)

O M A N R. Oman  
6085NF 2000 RO: AA: ID "al-Idhaat ul Omaniyyah"; light AA mx; also noted mornings (best chance for US recep.) (533 1/8 Wood-S.Arabia)

P A K I S T A N R. Pakistan  
4878.5 1600 RP-Quetta: Urdu: Pak. mx, ID "R. Pakistan, Quetta"; abrupt s/off w/out "Pak. Zindabad" or anthem. Is here from nominal 4885; do not confuse with listed AIR Lucknow. (444 1/15 Wood-S.Arabia)  
5095 1435 RP: Urdu: Pak. folk songs, ID by OM at 1500 (332 1/13 Shimada-JP)  
9435v 1645 RP: EE: reading of Holy Koran & EE translation; nx and ID at 1700 into tlk of money situation in Pakistan.(322 1/12 Soomre-MA)  
9645 1000 RP-Rawalpindi: EE/Urdu: YL w/nx into Urdu pgm: teaching the Qu'ran(in AA, of course!) to kids. (444 1/8 Wood-S.Arabia)WRTH says Islamabad QTH  
11670 1500 RP: Urdu: tlk, ID (444 1/13 Wood-S.Arabia)  
15566 0600 RP: Urdu: ID, tlk; Ute QRM (422 1/6 Wood-S.A.)  
17640 1600(?) RP: Indo/Burmese: s/on into Indo; Burmese at 1100; s/off at 1200 after EE ID (444 1/13 Wood-S.A.) Think you mean 1000 s/on Richard-RBT.  
17660 1600 RP: EE: IS, slow EE nx by YL. // 9863, 11670(444 1/11 Wood-S.A.)  
21754 1200\* RP: Burmese: s/off after EE ID // 17640 but varies daily(444 Wood-S.A.)  
21765 0630 RP: Urdu: sports rpt // 17660 (444 1/4 Wood-S.A.)

Tnx for exc. rpts Richard, Ed, and Senshu. I just tuned to 17660 for 1600 bcst but it is covered by REE Spain-just my luck! RBT

P H I L I P P I N E S FEBC; AFRTS  
9715 1516 FEBC: CC: instl of "There's a Sweet, Sweet Spirit in This Place"; tlks by OM & YL (533 1/19 Thompson-CA)  
21670 1600 AFRTS-Poro Pt.: EE: ID, sports (444 1/11 Wood-S.A.)

Q A T A R Qatar Best Svc  
9905 1900 QBS: AA: AA mx, lots of tlk (454 1/15 Card-RI) @ 2125 in AA: Holy Koran recitations; closing ann. w/ment. of Qatar and Doha and off at 2132. (1/25 Smallwood-W. Berlin)

S A U D I A R A B I A BSKSA  
2227 2000 BSKSA: AA: ID, nx in SSB (544 1/8 Wood-S.A.)  
2350 1700 BSKSA: AA: ID, 2nd pgm on USB, Qu'ran svc on LSB till 2100\*(1/12-Wood)  
9870 1904 BSKSA: AA: Quranic chants, relig tlk; ID "Itha'at ul-Mamlakat Is-Sa'udiyat Il-'Arabiyah"(333 1/14 Dillon-PA)  
11850 1655 BSKSA: EE: TP's and s/on ann. by OM; Koran readings; vocals;"Saudi Arabia-A Daily Chronicle"; Mailbag pgm; YL DJ w/rock mx. QRM de R. Moscow (232 1/3 D'Angelo-PA)(353 1/21 Krist-VA)(333 1/15 McKeon-IN)(212 1/29 Berri-CA)(322 1/14 Soomre-MA)  
21670 1648 BSKSA: AA: vocals, OM ann., TP's, YL w/tlk (252 1/18 Thompson-CA)

S I N G A P O R E BBC Relay  
6010 1605 BBC: Urdu: OM w/soccer scores; YL w/nx headlines & final anncts. Off at 1614 but at 1615 Cyprus Relay on in Persian(444 1/27 Palmer-WA)  
6195 1407 BBC: EE: OM hosting record show "The Pleasure's Yours"; other requests and greetings. QRN was awful.(222 2/2 Palmer-WA)  
9740 1756 BBC: EE: OM w/spts, ID & Newsdesk at 1800 (433 1/17 Berri-CA)

Thanks again to Rick Drollinger for giving me six pages this month-I'm gonna need them.



S R I L A N K A SLBC  
 9720 1239 SLBC: EE: end of nx; TC; ID into relg pgm(353 1/12 D'Angelo-PA)  
 11800 1840 SLBC: Sinhala: lcl Sinhalese mx w/YL ann. Off w/out warning at 1845.  
 Carrier off-and-on tests until 1849.(353 1/31 Palmer-WA)  
 15120 1026 SLBC: EE: IS, NA w/mixed chorus, ID, mx (353 1/16 Shimada-JP)

T A I W A N VOFC; V. of Asia; Bcst Corp. of China  
 5980 1525 V. of Asia: EE: YL w/ ID & addr; concert mx into Thai @ 1530(322 1/19  
 Hotaling-NV)  
 6180 1950 BCC: CC: drama, ID at 2000 (433 1/14 Wood-S.A.)  
 9630 1015 BCC: CC: time sig on hr, IDs, marches, "Sounds-of Silence"; WRTH 83  
 lists 1045\* but still hrd @ 1600 (WRTH 84 lists 2200\*-RBT)(444 1/11  
 Wood-S.Arabia)  
 11825 1350 VOFC: Cantonese: CC marches, choruses; ID & 1400\*\*/ 15270(444 1/1 Wood)

I rcvd many logs for VOFC via WYFR Relay. These should be sent to J. Cereghin, WH editor.

T U R K E Y V. of Turkey (PA)  
 7215 0230 VOT: TT: Turk mx, nx at 0245, NA. QRM de R. Moscow 7210(222 1/14 Dillon-  
 9515 \*2200 VOT: EE: nx, Turkish press review; rpt that in Turkey, peasants all wear  
 the same type clothing(how do they tell each other apart?-hi); mx  
 (454 1/11 Bingham-MA)  
 9560 2200 VOT: EE: nx, Press Review; tlk of Turkish Rep. of N. Cyprus; DX Corner,  
 s/off at 2252(322 1/21 Klosowski-FL)(1/7 Dillon-PA)(1/17 Moore-Tx) at  
 \*0300 EE: sked, DX Corner, pop mx(444 1/29 Krist-VA) at 1427 in RR: IS  
 ID, nx of Islamic Summit Conf.(444 1/17 Shimada-JP)

U S S R (Asian) (CA)  
 4610 0710 Khabarovsk: RR: OM w/tlk; folk mx(422 1/29 Berri-CA)(233 1/22 Nowicki-  
 4785 0158 R. Baku-Azerbaijan: RR:Azerbaijani: ID "Govorit Baku", chimes, RR  
 and Azer. NA, opening anncts. (1/26 Smallwood-W.Berlin)(Robichaud-NB)FL)  
 4958 0427 R. Baku: Azer: YL w/Mid East vocals, ID at 0432 RTTY QRM fr 1/15 Parks-  
 5004 0937 RID Irkutsk: RR: mx: Stravinsky's "Rite of Spring"; ID at 0945 (232  
 1/22 Nowicki-CA)  
 5015 0300 Vladivostok: RR: coming in early tonight; Moscow IS & TP's into nx.  
 wobbly signal (pr 1/16 Cereghin-MD)  
 5035t 0205 Alma Ata: Kazakh lang(listed): OM & YL w/disc.; ME sounding vocal; //  
 5260. Window is narrow-gone by 0215 (1/22 pr/fr Sheedy-CA) (CA)  
 5940 0655 Magadan: RR: martial mx, brief ann, TP's, YL w/network ID(433 2/1 Berri  
 5970 0750 Alma Ata: RR: waltz mx, anncts, nx, USSR IS (444 1/29 Berri-CA)  
 5985 \*1200 R. Tashkent: EE: nx, cmt, interview w/Danchev family (333 1/2 Prath-  
 FL)(353 1/11 Blanchette-FL)  
 7200 0735 Yakutsk: RR: radio drama.//7210 in Khabarovsk (433 1/29 Berri-CA)  
 9600 1222 R. Tashkent: EE:"This is the EE lang svc of RT bctfrom the capital of  
 Soviet Uzbekistan".(343 1/10 McKeon-IN)  
 17720 0033 R. Moscow-Petropavlovsk: EE: story abt Moscow circus(444 1/1 Smith-CA)

U N I T E D A R A B E M I R A T E S R. Dubai  
 9595 \*0330 RD: EE: nx, wx(75 deg. F), press review(333 1/16 McKeon-IN)(555 1/22  
 Klosowski-FL)  
 11730 \*0330 RD: EE: nx(good source for M.E. nx); Mailbag: read letters inc. mine  
 regarding which freqs came in best (11730 in US);"Telstar" is theme  
 song for Mailbag(333 2/10 McKeon-IN) @0345 EE: cmt, YL w/ID & addr;  
 hvy fading and some static.(332 1/22 Henault-MA)

V I E T N A M V. of Vietnam  
 12020 1600 VOV: EE: IS, ID, nx (444 1/11 Wood-S. Arabia)

Y E M E N A R A B R E P U B L I C R. San'a  
 4853 \*0300 R. San'a: AA: ID, anthem, sked; Koran recital; ME mx; solid sig most  
 nights.(444 1/23 Card-RI)(232 1/14 D'Angelo-PA)(Robichaud-NB)

Y E M E N (People's Dem. Rep.) DYBS  
 6005 0315 DYBS: AA: AA mx hrd under BBC; BBC off at 0330 but then QRM de R. Relej  
 on 6006(211 1/17 Dillon-PA) @ 0343 AA: tlk, mx, ID @ 0354 into vocal  
 mx.(444 1/22 Soomre-MA)  
 11180 1500 DYBS: AA: AA vocals, drum IS; clear ID. Hrd here daily; apparently  
 "Bridge Over River Kwai" whistling song is some sort of theme as it is  
 played daily. S/off from 1701-1704.(232 1/24 Thompson-CA) Nice report  
 Peggy-must be new freq as it is not listed in 84 WRTH. RBT

My complaint of the month: out-dated logs. Many rpts rcvd this month were of Dec. 83  
 receptions (in fact I rcvd one from 11/82-reporter shall remain anonymous!). Against my  
 better thinking, I included some that I thought were of good quality. Please-let's keep  
 them up-to-date. Thanks, RBT.

ANTARCTICA

Argentine Sector

15474 2315 LRA 36 R. Nac. Arcoangel San Gabriel: SS: Latin pop mx w/YL ann; def. ID rptd 3 times at 2346; s/off at 0030 w/Ave Maria.(333 1/24 Dillaman-OH)(433 1/15 Card-RI)

A U S T R A L I A

R. Australia

This month's reports will be restricted to those frequencies not listed in the Feb. 84 issue of SPEEDX.

6025 2029 RA:EE: sked, cricket rpt, rock mx (433 1/14 Bingham-MA)  
 6030 1635 RA: EE: Australian nx, spts, rock mx (333 1/17 Fisher-WL)  
 6045 1230 RA: EE: nx, pops, "Australia Tonight" (333 1/10 Dillon-PA)  
 6060 1400 RA: EE: wld nx, class. mx, "Australian Insight"(534 1/12 Lord-CA)(433 1/20 Thompson-CA)(444 1/3 Cox-CA)  
 9505 1830 RA: EE: ID, nx; //s 11725, 11790 (433 1/5 Talbot-ALB)  
 9770 1515 RA: EE: tlk abt recent "ACE" mess when Aust. Secret Svc busted up a hotel in a training exercise.(343 Chickerell-WV)(555 2/1 Scheel-IA) +2  
 11790 1800 RA: EE: wld & Pacific nx;"Four Corners"(444 1/22 Manderscheid-CA) +2  
 11800 \*1000 RA: JJ: IS, ID, sked, rock mx(gd 1/22 Famularo-NJ) EE @ 1538(May-OH)  
 11920 0835 RA: EE: world nx (554 1/22 Moore-TX)  
 15320 2300 RA: EE: wld nx by OM (222 1/29 Abbott-IL)  
 21740 0130 RA: EE: wld nx readable w/effort(222 1/19 Stephenson-CA) It seems we have a calligraphist in SPEEDX-nice looking rpt Norman. RBT

G U A M

KTWR

9510 1410 KTWR: EE: YL answering listener's letters; OM w/Bible reading(323 1/28 Abbott-IL) (333 1/27 Talbot-ALB)  
 11840 0928 KTWR: Tamil: tlk, orch. mx; EE ID (554 1/15 Miyauchi-JP)

M A R I A N A I S L A N D S

KYOI

(ALB)

9670 1600 KYOI: EE: ID as "Super Rock Choy", pop mx(252 1/21 Krist-VA)(Talbot-IL)  
 11900 1514 KYOI: EE/JJ: rock mx, EE/JJ anncts; "Music World"pgm(343 2/2 May-OH)

N E W C A L E D O N I A

R. Noumea

7170 0837 R. Noumea: FF: pop song "African Baby" (444 1/29 McKeon-IN)

N E W Z E A L A N D

R. New Zealand

15485 0605 RNZ: EE: Irish vocal, YL ann w/TC into more mx(453 1/17 Thompson-CA)  
 17705 1700 RNZ: EE: wld & lcl nx, EZL mx, wx rpt // 15485(423 1/26 Lord-CA)(433 2/2 Thompson-CA)(433 2/7 Valentine-CA)(Stephenson-CA)(Talbot-ALB)

P A P U A N E W G U I N E A

(ALB)

3260 1215 R. Madang: PD: OM w/anncts into folk ballads; very strong(12/31 Kusalik)  
 3290t 1353 Unknown (R. Central?-RBT): PD: group vocal, OM tlk abt song "Do Not Pass Me By"; poss. church svc at 1355. s/off 1401(252 1/20 Thompson-CA)  
 4890 1340 NBC Port Moresby: EE: "Music to Midnight" pgm of EZL mx; "Listener's Choice" pgm. 1400\*(453 1/12 Hesch-NY)(McKeon-IN)(Hotaling)(Talbot-ALB)

S O C I E T Y I S L A N D S

R. Tahiti

11825 0426 RT: Tahitian: Tahitian mx, drums; OM w/tlk ment. Yuri Andropov (prob. rpt of his death-RBT)f/out by 0500(444 2/11 MacGibbon-OR) @ 0828 FF: call in show w/pop & C&W mx(344 1/29 McKeon-IN)(2/5 Valentine-CA)  
 15170 1712 RT: FF: island mx, OM w/TC, more mx (443 1/19 Thompson-CA)

S O L O M O N I S L A N D S

SIBC

9545 0730 SIBC: EE: mx, nx, ad in Pidgin, rock mx. Loudest sig I've ever had(455 12/31 Hull-WA) @ 0805 in EE (222 1/29 McKeon-IN)

V A N U A T U

R. Vanuatu

(CA)

3945 0720 RV: EE: OM w/EE nx; lcl mx; hvy QRN-Pacific pr this winter(1/19 Witte-)

\*\*\*\*\*

I haven't received my WBI as yet so I have no definite news to pass along. However, there are two new stations that may be on the air soon. KFBS on Saipan in the Mariana Is. may have their problems ironed out soon. They are tent. scheduled on the following freqs: 15115, 15150, 9575, & 15110 from 0900-1600 GMT. Also Syria may be planning to get back on SW. Give a listen for them and send any loggings to SPEEDX c/o ye editor. I tried to order an Icom R-70 yesterday, but it has been discontinued and is being replaced by the R-71, an updated model. Apparently the R-71 includes the capability of switching between the 6khz AM filter and the 2.3 khz SSB filter while in the AM mode. There may be other improvements as well. The R-71 should be available by the time you read this. The .XYL says I may have to settle for a lower priced model anyway-she's the boss! Anyway, tnx to all contributors and remember let's keep those reports up to date. Until April:

73's  
Bob

# QSL REPORT

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



1983

VIA AEREA

Hello. Welcome to the March 1984 edition of the SPEEDX QSL report column. We have some very nice veries this month so lets get right to them.

## \*\*\*\*\* AFRICA \*\*\*\*\*

ANGOLA-R. Nacional-9535, f/d EE letter in 58d for \$1US which was returned. V/S-Miguel Bras. (Gilley-VA). Same in 47d for 2 irc and a PP rpt (McLain)

BENIN-ORTB-4870, f/d logo card on 40d for 1 irc, \$1, and a FF rpt(Van Horn)

CAMEROUN-R. Douala-4795, f/d map card in 92d for FF rpt and 2 irc (Robichaud-NB).

CAPE VERDE ISLANDS-La Voz de Sao Vicente-3930, p/d card in 46d for PP rpt (Barto-CT).

CHAD-R. Moundou-5286, freq only letter in 51d for FF rpt and an irc. Veri was in EE/FF (Sharp-FL). Date/freq letter in 74d for 2irc and FF rpt (Hosmer-MI). V/S-Dorong Guela Ketchoua

COMORO ISLANDS-R. Comoro-3331, f/d logo card in 52d for \$1US and FF rpt (Sharp-FL).

EGYPT-R. Cairo-9475, Mosque card in 139d (Dillon-PA). Same in 70d (NJ-Mendez). Same in 57d for an irc and First Day Cover (Falbo-OR). Card in 92d for an irc (Robinson-TN). Cairo pictures card in 60d for 2 irc (MA-Adams).

GABON-Swiss Radio Intl via Af. #1-11715, f/d card in 25d with site (Mann-IO). Af. #1-11755, freq only card in 41d for FF rpt. (Barto-CT). Time/freq card in 45d for a FF rpt (Pagano-DC). Freq only card in 275d for 2 irc and EE rpt(Schlesinger-TX). Same in 111d for 2 irc and EE rpt (Greenbauer-??).

GHANA-GBC-4915, f/d card in 23 wks after f/up with MS (Wilkins-CO). National symbol card in 375d for an irc and EE rpt (Tate-WV).

EQUATORIAL GUINEA-missort!-R. Nac de Bata-4925, f/d map card in 60d for SS rpt and \$1 US (Parks-FL).

GUINEA-LV de la Rev-15310, f/d card in 8d. This card was received with the help of UNR, and was on a UNR card, for a report sent to UNR (Sharp-FL).

IVORY COAST-R. Abidjan-4940, f/d card in 34d for EE rpt and ms (Mann-IO).

LESOTHO-BBC-9515, no data tower bridge card in 48d (DAngelo-PA). Same in 51d for an irc (Greenbauer). Same in 25d (Tilley-CO). L. National Bcst Service-4800, Flag card in 108d (Ducos-FR). F/d card in 550d for 2 irc and an EE rpt (Stephany-NY).

LIBERIA-Liberian Broadcasting System-6090, f/d sound of progress card in 71d for ms (Stephany-NY). ELBC-3255, f/d call letters card in 31d for \$1 (Sharp-FL).

LIBYA-R. Jam-11815, Card in 52d (Ducos-FR). Same in 48 for 2 irc (OH-Schulsinger). Same in 41d (Renn-WA). In 330d for ms (Card-RI). In 40d for 2 irc (Card-RI). Same in 56d for 2 irc (Greenbauer). Same in 31d for an irc (Brewer-ARK).

KENYA-V of Kenya-4915, f/d hand written letter in 20d for 2 irc (Greenbauer). V/S-H.J. Lomosi.

MADAGASCAR-R. Nederland-11740, f/d Karel Appel card in 25d (Dillon-PA). Same card in 20d (M. Pfeffer-NY).

NAMIBIA-R. SWA-3295, f/d Aloe Dichotoma Card and stickers and book in 26d (Barto-CT).

NIGERIA-R. Jos-5965, f/d letter in 52days (Leite-MA). FRCN-Enugu-6025, freq only personal letter in 106d for 3 irc (Pimblett-ALTA). f/d card and letter in 240d for an irc and olympic card and stamp (Witte-CA). F/D letter in 91d with a New Years Card (Leite-MA). Kaduna starts on next page.

NIGERIA-Continued- FRCN-Kaduna-4770, f/d letter in 50d for an irc (NJ-Murphy). Same for ms in 70d (Wilkins-CO). Same in 58d for 2 irc (Keenan). Same in 163d (May-OHIO). Same again in 74d for ms (Pimblett-Alberta). again for an irc in 100d (Tilley-CO). In 58d for an irc (Welch-MA). V/S-Yusuf Garba. The V/S for Enugu was P.A.O. Orogbu.

RWANDA-DW-11965, 17800, 21600, f/d cards in 66d (Jones-VA). In 81d for SASE (Not Used) (Sharp-FL). Same in 21d with sticker (D'Angelo-PA). Same in 33d with sticker (Leite-MA).

SAO TOME E PRINCIPE-4807, f/d letter in 68d for \$1 (Sharp-FL).

SOUTH AFRICA-R. RSA-Various frequency cards in 20 to 30 days from the following: Barto-CT; Caceres-NY; Bingham-MA; Thompson-NM for an irc; MA-Bingham with a pennant; Dillon-PA; Ducos-FRANCE; Adams-MA for 2 irc; Falbo-OR for an irc-recd a sticker; Clayton-OH for an irc.

SWAZILAND-R. Truro-6155, f/d cards in 210d for an irc and olympic stamp and card (Witte-CA). V/S-Derek Shaw-Tech Dir.

TANZANIA-RT-5050, date/freq map card in 81d for an irc and ms (Schlesinger).

\*\*\*\*\*TRISTAN da CUNHA-ZOE-3290, date only mini card in 3 months for \$1 (David Sharp-FL). David, you really cleaned up on the African Stations this month, and this one is absolutely incredible. Congrats on this one!

UPPER VOLTA-R. TV Voltaique-4814, date/time letter in 31d for \$1 and f/up and FF rpt (Sharp-FL).

\*\*\*\*\* EUROPE \*\*\*\*\*

BELGIUM-BRT-9880, 17610, 5995, f/d form letter in 28d (Chickerell-WV). Same in 26d (Dillon-PA). 2 QSLs in 30d (Ducos-FR).

BULGARIA-R. Sofia-9700, 15110, QSL in 76d (Ducos-FR). Mausoleum card in 41d (Speer-CA). Intercoastal waterway card in 110d after f/up (Bledsoe-FL).

CZECHOSLOVAKIA-R. Prague-5930, 6055, 7345, QSL in 110d (Ducos-FR). Country inns card in 57d (Bingham-MA). Open air museum card in 52d (Chickerell-WV). Same in 40d with slides (Abbott-ILL).

FINLAND-R. F.-Continues to send out useless n/d letters. Recd onr in 28d (Chickerell-WV).

FRANCE-RFI-15300, 17620, 9790, QSL in 20d and one in 32d (Ducos-FR). Cinquante Ans card in 23d along with a pennant and sked (Dillon-PA). Card in 32d and NEW pennant (Leite-MA). No QSL, but a pennant and sked in 67d for an irc (Abbott-ILL). Maybe they forgot to put the QSL in the envelope, but at least it was not a total loss with the pennant.

GERMAN DEMOCRATIC REPUBLIC-RBI-17880, 15450, 21465, 21540 cards in 33d with a pennant (Barto-CT). Hotel GERA card in 34d (Barto-CT).

GERMAN FEDERAL REPUBLIC-Sender Freies Berlin-6190, f/d building card in 16d for 2 irc. Also recd a large sticker (Stephany-NY). Sddeutscher Rundfunk 6030, f/d studio card in 61d for an irc (Mahoney-FL). DW-5960, ann card in 38d for 1 irc (Falbo-OR). R. Free Europe-25665, date/freq card in 17d, Via Biblis freq only card in 17d, (Freq was 11815). 9725, 11895 via Biblis in 21d. R. Liberty-15445, 21455, 17760, date/freq cards in 21d, and 15340, 15290 in 13d via Lampertheim; 15355, 15370 via Holzkirchen in 17d. All of the RFE/RL cards were from Barto-CT.

GREAT BRITAIN-BBC-21710, Tower Bridge card in 51d (Bingham-MA).

GREECE-VOA-Kavala-9700, card in 16d (Mann-IO). VOA-Rhodes-15305, f/d card in 18d (Dillaman-OH). V. of Greece-9865, f/d coastal view card in 91d for an irc (Mahoney-FL). Santorini Island card in 47d (Bingham-MA). Ydra Island card in 96d (Bingham-MA). Card in 325!!!d for an irc (Brenesal-FL). Same Ydra Island card in 97d (Abbott-ILL). Same in 34d for 11645 Khz (Barto-CT).

HUNGARY-R. Budapest-11910, f/d card and pennant in 27d (Renn-WA).

ICELAND-ISBS-13797, f/d thingvellir card in 65d for 2 irc and tape rpt (Dillaman).

IRELAND-WMR-6910, f/d card in 125d for 3 irc. Rpt was sent to Amsterdam, but reply came from Box 39; St. Leonards-on-Sea TN38 OEL UK (Stephany-NY). R. Dublin-6910, f/d map card in 39d for 2 irc (Talbot-ALTA). Same in 88d for an irc (Murphy-NJ).

ITALY-RAI-9575, 11800, f/d painting card in 122d (Chickereil-WV). Same in 141d for 2 irc (Robichaud, NB). Status card in 117d (Bingham-MA). Church card in 120d (Adams-MA). I.B.C. via R. Time-6275, R. -Time card in 385d for 2 irc with relay indicated also recd a sticker (Streeter). R. Time Green logo card in 328d for 2irc (Streeter-NY). Blue logo card in 1 yr for 2 irc (Fisher-MA). V/S-Mannelli Stefano.

MALTA-R. Mediterranean-6110, card in 120d for an irc (Yingling).

NETHERLANDS-RN-17605, f/d card in 19d for 2 irc (Keenan). 9895, card in 19d (Ducos-FRANCE).

NORWAY-RN-17840, 21700, 15165, 15180, 9590, f/d costume card in 38d along with a sticker (Dillon-PA). Røstad card in 40d (Barto-CT). Date/freq card in 29d (Welch-MASS).

POLAND-R. Polania-7270, f/d warsaw park card in 183d for DX club rpt (Card)

PORTUGAL-IBRA Radio Via R. Trans Europe-9670, reaching Asia card and pennant in 29d for 2 irc (Soomre-MA). AWR-Sines-9670, f/d Lisbon St scene and personal letter in 36d for 2 irc (Hosmer-MI). Also recd a pennant. Same in 39d (Ducos-FR). R. Free Europe-17835, 9595, 21615, 15255, 15215, 21720, freq only card in 17d (Barto-CT) (Via Gloria). Date/freq card in 21d for 17805, 15355, 15145, 11725, via Gloria. Also 15170 map card in 19d (All by Barto-CT). R. Liberty-15130, via Gloria card in 13d (Barto-CT). R. Portugal-6075, 11925, Lisbon zoo card in 35d (Bingham-MA). F/d card in 27d (Speer-CA). Orix Gazela card in 32d (Barto-CT).

ROMANIA-R. Bucharest-11940, 5990, card in 136d (Ducos-FR). Painting card in 60d with goodies (Soomre-MA).

SPAIN-REE-11880, 9630, Card in ??(Mathew-MA). Card in 26d (Speer-CA). Painting card in 40d (Bingham-MA). Same in 60d (Renn-WA). Bullfight card in 50d for SS rpt (Mendez-NJ). Card in 30d for 2 irc (Adams-MA).

SWEDEN- R. Sweden Intl-9695, 11710, 17860, f/d 35th ann card in 41d (VA Jones). Logo card in 24d (Dillon-PA). Globe card in 60d (Adams-MA). Logo card in 24d for an irc (Falbo-OR). Ann card in 31d with sticker (D'Angelo-PA).

SWITZERLAND-SRI-6135, f/d studio card in 25d for 2 irc (Thompson-NM). Logo card in 27d (Dillon-PA). Photo card in 24d (Soomre-MA). SRI via Lenk-f/d card with site in 31d (Barto-CT). U.N.R.-14500, logo card with f/d for an irc in 48d (Stephany-NY).

VATICAN-RV-11740, L'Antenna Rotante card with site of Santa Maria de Galeria in 37d (Barto-CT).

WEST BERLIN-RIAS-6005, f/d Antenna card along with note that Berlin power is now 100 KW. in 13d for an irc (Stephany-NY).

\*\*\*\*\* USSR \*\*\*\*\*

R. MOSCOW: 11770 via Kiev, 15485 via Simferopol, 12060 via Kenga, 11760 via Khabarovsk, 17700 via Petropavlovsk (Stephany-NY). 7160 via Kiev (FL-Mahoney). 9450 via Moscow, 9575 via Serpukhov, 17880@ Kiev, 17810 via Simferopol (Welch-MA). 15150 via Minsk, 15435 via Erevan, 15455 via Petropavlovsk-Kamchatsky, 11920 via Moscow, 9785 via Armavir, 9610 via Tula, 21530 via IvanoFrankovsk, 21590 via Serpukhov, 15135 via Vinnitsa (Hosmer-MI, who also recd a pennant). 7210 via Vinnitsa, 7110 via Ivano-Frankovsk, 7180 via Sverdlovsk, 7150 via Lvov, 12050 via Khabarovsk, 17720, 15450, 15140 via Petropavlovsk-Kamchatsky (Speer-CA). 7100 no site (Adams-MA). Date/time card in 50d (Falbo-OR). 15150 via Minsk (TX-Schlesinger). 7260 via Yuzhno-Sakhalinsk (Greenbauer). 21590, 17730 via Serpukhov, 21530 via Ivano Frankovsk, 15430 via Erevan, 12010, 9760 via Lvov, 17810 via Simferopol, 11820 via Frunze, 21560, 17720, 15450, 15140 via Petropavlovsk-Kamchatsky, 12050 via Khabarovsk, 7210 via Vinnitsa, 7180 via Sverdlovsk (Soomre-MA). Nice set of USSR sites this time. All cards were recd in about 50d for no return postage.

R. Vilnius-17900, f/d card in 88d (Hitsman-IA). Folder card in 38d (MA-Soomre). Radio Tower Folder card in 62d (Falbo-OR).

R. Kiev-9580, 7185, QSL in 34d (Ducos-FR). Cathedral card in 63d (FL-Mahoney).

Not enough room here to start on Asia. I just want to thank everyone for the support that they are giving to this column. Please keep up the good work. Remember that SPEEDX is your club, and it is what U want it to be.

CHINA-R. Beijing-11650, 7055, Tai Ho Hall card in 21d with magazines (Chickerell-WV). Peking park card in 30d along with a pennant and calendar (Adams-MA). Card in 30d along with pennant and bookmarks (Bledsoe-FL). Card and pennant in 19d (Ducos-FRANCE). Heilongjiang PBS-4925, f/d native costumes card recd via Beijing with pennant, bookmarks, and Calender (Streeter-NY).

INDIA-AIR-11620, white tiger in zoo card in 44d for 2 irc (Van Horn-TX).

INDONESIA-RRI Manokwari-6188, date only letter in 46d for IN rpt (Barto). v/s-Abdul Rachim Ba, Kepala. RRI Mataram-3223, p/d letter in 46d for IN Rpt (Barto-CT). RRI Kediri-4000, date/time letter in 72d for II rpt- (Pimblett-ATA). v/s-Ors. Eddy Sihombing. RRI Banjarmasin-3250, f/d card in 17d for II rpt and tape sent registered air and recd reg. air. (ATA-Kusalik). V/S-Muhammad Fachriansjh. RRI Fak Fak-4789, date/freq letter in 52d for II rpt (Barto-CT). R.F. Simangunsong, Kepala.

IRAQ-R.B.-9610, f/d large card in 47d (Dillon-PA). Same in 122d after f/up. Also recd a pennant and stamps from Iraq. (Soomre-MA).

ISRAEL-Kol Israel-9815, 11655, 15585, logo card in 54d for 2 irc (Keenan). Same in 41d for an irc (Thompson-NJ). Same in 45d (Dillon-PA). Map card in 88d (Chickerell-WV).

JAPAN-R. Japan-9505, 15300, 17825, 17810, 17755, date/freq card in 25d (Speer-CA). Card in 25d for report (Nowicki-CA). Card in 20d (Thompson-NM). In 23d (Leite-MA). Water lillies card in 24d for 2 irc (Card-RI). Shrine card in 33d (Chickerell-WV). In 21d (Ducos-FR). In 33d with calendar (Soomre-MA). JOZ-R. Tampa-3925, f/d card in 27d (Barto-CT).

KUWAIT-R. Kuwait-11675, f/d folder card in 28d (Robinson-TN). Same with a sticker in 43d (Barto-CT).

LEBANON-R. Lebanon-11955, f/d R. Lebanon Building card in 203d for 2 irc. Report was sent and received via the Department of External Affairs Canada. V/S-Miss Emily Zalami. (Talbot-ATA). Very very nice card, one to be proud of!. King of Hope-6215, card in 10d with bumper sticker (Yingling-MD). Same in 27d for 2 irc via Israel address (Stephany-NY). Same in 18d (Pimblett-ATA). Same via CA address for \$1 in 6d (Hosmer-MI).

MALAYSIA-SARAWAK-RTVM-Sarawak-4950, f/d best house card in 43d for an irc (Fisher-NM).

MALAYSIA-V. Of Malaysia-11900, f/d card in 45d for 2 irc (Adams-MA).

NORTH KOREA-R. Pyeongyang-9977, picture card in 91d (Sharp-FL).

PAKISTAN-PBC-5095, time/freq card and letter in 93d for ms (Pimblett-ATA). Station was Islamabad. PBC-Rawalpindi-17660, f/d card in 180d for ms after f/up (Card-RI). R. Pakistan-17840, p/d form letter in 113d for 2 irc (Talbot-ATA).

PHILIPPINES-FEBC-11890, f/d Manila Bay card in 43d for 3 irc (Hosmer-MI).

QATAR-QBC-17910, f/d logo card in 106d for 2 irc (Dillaman). Same in 160d after f/up for 2 irc (Card-RI). Also recd a sticker and booklet.

SAUDI ARABIA-BKSA-11855, f/d logo card in 75d via registered mail (MA-Soomre). V/S-Ali M Al-Babtain.

SINGAPORE-SBC-11940, f/d skyline card in 23d for \$1, which was returned. V/S-M.W.D'Cruz. Letter said only IRC were accepted for return postage. (Gilley-VA). BBC-11750, Usual cards in 24, 31, 70, 91 days for the same rpt! (Pimblett-ATA).

SOUTH KOREA-R. Korea-9570, 7550, 11810, 9750, f/d card in 69d (Stephany-NY). Nolan, wait till you read the next one----QSL and Pennant in 48d (Ducos-France). Seems to me that you have to get them on the right day to get a pennant. Card in 106d (May-OH). Card in 29d (Harris-FL). Card in 42d (Robinson-TN).

SRI LANKA-AWR via SLBC-11835, Radio Monitors Intl card 13532 in ?? for 3 irc (Card-RI).

TAIWAN-VOFC-15270, 11825, card and calendar in 58d for 2irc (Keenan). Card and goodie pack-including pennant, in 66d (Renn-WA)

TURKEY-V. of Turkey-f/d card in 35d (Barto-CT). 11755, same and pennant in 73d for 2 irc (Hitsman-IA). Same in 26d (Bingham-MA). Same in 36d for an irc (Soomre-MA). In 44d for an irc (Falbo-OR). Also some recd stickers.

UNITED ARAB EMIRATES-UAE Radio-11730, f/d map card in 44d along with a pennant (Dillon-PA).

VIETNAM-V of V-15010, Magazine but no QSL in 8 months (McKeon-IN). f/d folder card in 94d (Leite-MA). Hanoi Radio-card with site in 58d for 6453 khz (Barto-CT). BAC Thai Radio-6610, same in 58d (Barto-CT). Lang Son Radio-6510, same in 58d (Barto-CT).

\*\*\*\*\* PACIFIC \*\*\*\*\*

AUSTRALIA-VLM4 ABC-Brisbane-4920, map card in 48d for an irc (Soomre-MA). Same for same in 33d (Welch-MA). VLW6 ABC-Perth-Western services card in 18d (D'Angelo-PA). Was 6140 Khz. R. Australia-17795 via Shep., Kingfisher card in 20d for an irc (Falbo-OR). 11720, Fairy Penguins card in 35d (Mathew-MA). Card in 26d (Bingham-MA). 9770 via Shep and 6035 via Carnarvon in 28d (Chickereil-WV). Card in 23d (Broek). freq was 11800 via Shep.

MARIANA ISLANDS-SAIPAN-KYOI-9670, bird card in 6wks for 40¢ stamp (Kusalik-ATA).

NEW ZEALAND-RNZ-17705, fishing card in 28 d along with paper pennant for 4 irc (Falbo-OR).

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

ALASKA-KNLS-6170, f/d form letter in 19d for ms (Radtke-CA). Same in 12d (Wilkins-CO). Same in 6d for 2 irc (Keenan). Same in 30d for 40¢ stamp (Kusalik-ATA). Same in 16d for ms (Schlesinger-TX). V/s-Francis M. Perry.

ANTIGUA-BBC-6175, usual card in 30d (Card-RI). DW-9545, 6040, f/d card in 69d for an irc (Wilkins-CO). Same in 64d (Stephany-NY). Same in 75d (Speer-CA). In 33d (Leite-MA).

BELIZE-R. Belize-3285, date.freq card in 14d for an irc (Smith-TN). Same in 30d for 2 irc (Tilley-CO). F/d card in 39d for 2 irc (Thompson-NM). Same in 40d for same (Muzyka-NY).

CANADA-CKZN-6160, f/d map card in 31 days with a sticker and information sheet (D'Angelo-PA). Same in 65d (Hosmer-MI). Same in 76d for ms (Talbot-ATA). CFGX-f/d logo card in 12d (Dillon-PA). DW via Sackville-9605, f/d map card in 41d (Stephany-NY). They would not verify this site for me, so don't feel bad Nolan, got to try again. CFVP, 6030, Calgary skyline card in 19d (Hosmer-MI). He also sent rp. CKZU-6160, f/d CBC card in 39d for 2 irc (Mann-IO). RCI-5960, f/d DIY card in 21d (OH-Claytor).

COSTA RICA-Faro Del Caribe/TIFC-5055, f/d card in 48d for an irc and SS rpt. Also recd a pennant (Miyachi-JPN).

CUBA-R.Moscow-9600, 6110, 6115, f/d card in 71d, (Stephany-NY). Same in 60d (Speer-CA). In 36d (Harris-FL).

DOMINICAN REPUBLIC-R. Earth via R. Clarin-11700, freq only card of Curacao in 207d for 2 irc (Pimblett-ATA). Same fir same in 196d (NB-Robichaud). Card in 88d (Muprhy-NJ). In 160d (D'Angelo-PA).

GREENLAND-Grónlands Radio-3999, date/freq station house card in 20d for \$1 (Sharp-FL). Same in 42d for 3 irc and EE/Danish rpt (Harris-FL). V/S-Tom Mikkelsen-Tech Dir.

GUATEMALA-TGVN-La Voz de Nahuala, 3360, f/d card and letter in 25d for ms and SS rpt (Stephany-NY). Same in 39d for same (Thompson-NM)..

HAITI-4VEH-4930, f/d card in 43d for an irc (Welch-MASS).

HONDURAS-HRPC-R. Luz Y Vida-3250, f/d letter in 27d for EE rpt and 2 irc. Letter noted that it was the first report on their EE bests. (Greenbauer). Same in 36d for SS rpt and ms (Schlesinger-TX). v/s-Don Moore, Director. Note said that they run EE @ 0300-0400 Sun and 0330-0400 Mon.

MEXICO-Tus Panteras-6105, form letter in 434d for SS rpt and ms (TX-Schlesinger). V/S-Roberto Dominguez Avik, Relaciones Publicas.

MONTSERRAT-DW-9545, 11705, f/d card in 42d for 2 US ms (Talbot-WI). Same in 33d (Leite-MA).

NETHERLANDS ANTILLES-R. Nederland-9590, 6165, 17605, 9535, f/d cards in 40 days with a pennant for an irc (Mendez-NJ). Card in 21d for an irc (OR-Falbo). Card and sticker in 90d (Mendez-NJ). Card in 20d (Welkel-MI).

R. Nederland relay continued- Three Personages card in 42d with a calander (Brewer-ARK). This was mailed from London. TWR-9535, 11815, f/d antennas card in 40d for an irc (Brewer-ARK). Same in 28d for 2 irc (Welkel MI). Same in 25d (Caceres-NY).

NICARAGUA-L. Voz De Nic-5950, f/d letter with pennant, stickers and post cards in 265d for an irc (Mahoney-FL). Same in 187d for an irc (Talbot-ATA). Personal letter in 110d for 2 irc (Card-RI). same in 80d for SS rpt (McLain-CA).

UNITED STATES OF AMERICA-VOA-Dixon-9505, f/d card in 63d for ms and SS rpt (Wilkins-CO). 6020 via Greenville, f/d card in 7 days (Falbo-OR). 6040 via Dixon-card in 11d (Dillaman). 26000 via Bethany-card in 12d (Chickerell-WV). WINE-15145, f/d card in 9d for ms (Harris-FL). KGEI-9615, f/d logo card in 20d for ms (Harris-FL). WRNO-cards from Chickerell, Wilkins, Tilley, Barto, Keenan. All in abt 25-35 days. WYPR-Cards from Soomre, Hosmer, Fernando, Card, McCants, Bingham. All in abt 60d for ms.

\*\*\*\*\* SOUTH AMERICA \*\*\*\*\*

ARGENTINA-RAE-11710, 15345, f/d card and pennant in 29d for an irc. (VA-Jones). Same in 296d for 2 irc (Welkel-MI). Same for an irc in 31d (NY-Muzyka). Same in 42d (Dillon-PA). Same in 43d (Talbot-ATA).

BOLIVIA-R. Nacional-Cochabamba-5975, color photo card in 5 months after 2 f/ups for SS rpt and ms (Lobdell-MA). Rogildo Fontenelle Aragao-V/S.

BRAZIL-R. Timbira do Maranhao-4975, f/d letter in EE in 35d for PP rpt and MS (Streeter-NY). V/S-Joao Ferreira, International Correspondent. R. Rio Mar-9695, date only card in 45d for PP rpt and ms (Mahoney-FL). VOA-17710, f/d card in 16d (Soomre-MA). R. Inconfidencia-6000, n/d card in 69d for PP rpt and MS (Parks-FL). R. Cultura do Para-5045, freq only card in 385d for ms and PP rpt (Schlesinger-TX). V/S for Inconfidencia was Marcia Gerkin.

COLOMBIA-Radio Macarena-5975, f/d logo card in 45d with stickers for SS rpt and 2 irc (Mann-IO). Ondas del Darien-6085, date only letter in 20d for SS rpt and ms (Schlesinger-TX). V/S-Manuel Cardona Agudelo, Gerente.

ECUADOR-Emisoras Gran Colombia-4911, carbon copy letter in 126d for ms and SS rpt. The QSL was dated Jan 24, 1984, does anyone else have the other copy? (Stephany-NY). R. Jesus del Gran Poder-5050, date/freq card in 1 1/2 yrs with a pennant for 2 irc and SS rpt (Hitsman-IA). n/d folder card in 4mo after 6th followup rpt for SS rpt with ms (Lobdell-MA). V/S- P. Jorge Enriquez. V/s for Gran Colombia was Nancy Cevallos Castro de Espinosa. R. Rio Amazonas-4870, freq only letter in 543d for SS rpt and ms-V/s-Prof. Maro Diaz D. (Schlesinger-TX). R. Cultura Antena Libre-3240, p/d letter in 47d for SP rpt (Barto-CT). V/S-Luis E. Velasco Leon, Gerente. Ondas Quevedenas-3325, n/d card in 2 months that was a plain white "Feliz Ano Nuevo" card, not a QSL (Lobdell-MA). HCJB cards from Mandez, Adams, Leite, Dillon, Welch, Soomre. In abt 40d for varying RP. Soomre-MA, his card was the Australian DX club card for 3 irc via ARDXC.

FALKLAND ISLANDS-FIBS-3958, f/d card in 30d for ms (Kusalik-ALTA). V/s -A.R. Davis

PARAGUAY-R. Nacional-9735, freq only form letter in 25d for SS rpt and 2 irc (Tilley-CO).

PERU-R. Madre de Dios-4950, f/d letter in 192d for SS rpt and ms Also recd were some stamps (Streeter-NY). V/S-Frcoc. Javier Aniz o.p. R. Cusco-6195, f/d plain white card in 28d with a pennant for an SS rpt and MS (Stephany-NY). V/S-Elena Lizarraga Pacheco Coneba. R. Atlantida-4790, freq only letter in 179d for ss rpt and ms also recd key chains, stickers, and calendars (Streeter, NY). V/S-Socorro Saavedra Angulo, Secretaria de Gerencia.

Well, I will hold the rest of Peru, Venezuela, and Antarctica for next month. We had alot of good QSLs this month, I am proud of the work done by SPEEDXers. I hope to get the 7th page back next month, so that I can finish this column, and give you some information that I have on Pennants. I have heard from several SPEEDXer Ham radio ops who would like to get together on the radio. If anyone is interested, drop me a card and let me know. I will be on 20m at 1800 UTC on Sundays between 14275-14280 or thereabouts (Avoiding QRM), and my call is N2EKL-if anyone is interested. I may be calling CQ to shortwave listeners of CQ SPEEDX. Hope to hear from you. Well, out of room. Best of luck, and hope to see you all next month.



# UTILITY SCENE

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

DEADLINE:  
12th Day of  
the Month

AM RTTY USB ISB  
LSB CW FAX A3H

COLUMN  
COVERAGE  
0-30 MHz  
H.F.

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

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

Hello Gang;The SPEEDXGRAM will now include utility coverage. If you are not familiar with the SG, or what you can input, send an inquiry along with an SASE to;Bob Bodell  
9188 S.E. Mason Hill Drive, Portland, OR 97222  
Now onto the current batch of loggings.....

\*\*\*\* TACTICAL \*\*\*\*  
RANGE CONTROL CENTER wkg UTC LIBERTY - SSSup (LSD-NJ)  
N 4 t - coded t/c to V 8 Q X (IK-UK)  
SAM 86972 p/p via Andrews AFB (LSD-NJ)  
GOLF 2 CHARLIE wkg DELTA 2 CHARLIE (CG-DE)  
ALFA FOXTROT/SIFERRA 4 BRAVO wkg tracking units-  
Lima 4, Bravo 5, Lima 4 Delta - SSSup (PAT-CA)  
ALFA FOXTROT wkg WALLBANGER 01 - SSSup (PAT-CA)  
ALFA FOXTROT wkg 9 INDIA OSCAR (RAL-OH)  
GIANT KILLER wkg 8 PAPA QUEBEC (TW-NC)  
ACROBAT wkg OKLAHOMA (BC-MD)  
MARINE 50515 wkg Andrews AFB (RAL-OH)  
SAM 24126 wkg Andrews AFB (LSD-NJ)  
SAM 12496 wkg Andrews AFB (RAL-OH)  
MIKE 5 JULIET wkg CG Kodiak (NAP-AL)  
FOXTROT 9 SIFERRA c/w CG San Francisco (NAP-AL)  
NAVY LIMA PAPA 231 wkg New York Aero (MDC-NY)  
AIR FORCE ONE wkg Andrews AFB (CG-DE) (BLR-KS)  
NOAH 83 wkg Albrook AB (CG-DE)  
SAM 86970 p/p State Ops via Andrews (BLA-PA)  
CHARLIE 08 wkg Selfridge Rescue (RAL-OH)  
SAM 12493 wkg Andrews AFB (BLA-PA)  
AIR FORCE TWO wkg Andrews AFB (LSD-NJ)  
EXECUTIVE 01 FOXTROT wkg Andrews (RAL-OH)  
CENTURY 26 wkg Raymond 24 (RAL-OH)  
SAM 24127 wkg Andrews AFB (RAL-OH)  
AIR FORCE ONE P/P CROWN via Andrews (LSD-NJ)  
JOYCE 93 p/p via MacDill AFB (MDC-NY)  
BLUE ANGEL wkg MacDill AFB (CG-DE)  
UNIFORM 3 PAPA wkg INDIA 4 QUEBEC (SEE accents)(CG-DE)  
CHARMER DISHEAN wkg BRAVO HOTEL 38-SSSup (LSD-NJ)  
BRAVO HOTEL 38 wkg BAKER 1 CHARLIE - SSSup (LSD-NJ)  
s/off of: This is SKYLIGHT COMMAND CENTER (CS-MO)  
ALFA 3 ROMEO wkg ALFA FOXTROT ALFA 4 (JDW-MN)  
AGAR 25 wkg Cape Radio - SSSup (RAL-OH)

\*\*\*\* NORTH AMERICA \*\*\*\*  
NOJ- CG Kodiak - WX b/c (JMN-CA) \*\*\*  
AKA-5- Elmendorf AFB wkg STORK 21 (JCH-MD)  
ZBM- Bermuda Harbor MAROP wkg OLGQ (JCH-MD)  
VRT- Hamilton MARCO - V/QSX mkr (AJA-YA)  
WFS- Halifax CGR. wkg m/v TRINITY DAY (MDL-ME)  
CFH- CANMIL Halifax - Iceberg warning (MLH-OH)  
CKN- CANMIL Vancouver - CKN/C13E mkr (CS-MO)  
VAL- Vancouver CGR. - V mkr (ERN-NM) (CS-MO)  
CRN- CANMIL Vancouver - ????? (MLH-OH)  
VAL- Vancouver CGR. - CQ mkr (PAG-NC)  
Cambridge Bay Aero wkg LUFTHANSA 653, BRAVO  
ALFA 283, JAPAN AIR 413 (CG-DE) (IK-UK) (JCH-MD)  
Gander VOLMET (NAP-AL)  
C115W828- CPARS QTH? wkg OIW 8103 (FWB-NJ)  
Goose Bay Aero wkg CALEDONIAN 223 (JCH-MD)  
C115W828- CPARS QTH? wkg OIW 8103 (FWB-NJ)  
U 1915  
U 1355  
U 2030  
C 1014 XFL- Mazatlan MARCO - ?????? (OS-MO)  
C 1640 XFE- Ensenada MARCO - CQ/QRU? mkr (BFS-CA)  
C 0123 XFM- Manzanillo MARCO - CQ mkr (ERN-NW)  
U 1130 WSY70- New York VOLMET (CS-MO)  
C var. WNU41- Slidell MARCO - CQ/QSX mkr (AJA-YA) (CS-MO)  
U 0150 SPARROW 1306-FL CAP wkg SPARROW 85,35,630(TWL-AL)  
U 1246 BLUE FLIGHT 332-VA CAP c/w BLUE FLIGHT 50 (CS-MO)  
U 0110 MUSKRAT 101-IA CAP wkg EAGLE NEST 704 (BLJ-TX)  
U 0437 NOY 9- CGAS Houston wkg CG 1426 (JCH-MD)  
U 5692 NWW51- CGAS Astoria. wkg CG 1492/1482 (NAP)} (ES-MA)  
U 2003 NWN- CG Portsmouth wkg CG 1501 (MWS-IA)  
U 0700 NWA- CG Miami wkg CG 1468 (PAV-CA)  
U 0028 NWC- CG San Francisco wkg CG TAMPA (NAP-AL)  
U 2044 NWG- CG New Orleans wkg CGC ACUSNET (NAP-AL)  
6506.4 U 2044

2622.0 U 1133  
C 2103  
U 1045  
U 0058  
U 2055  
U 0023  
U 0443  
U 2220  
L 0115  
U 0440  
L 0345  
L 0415  
U 1349  
6506.4 U 0514  
U 2203  
L var.  
U 2008  
L 0149  
U 1537  
L 0004  
L 0051  
L 0015  
U 0506  
L 0731  
U 2354  
L 2321  
U 0229  
U 1116  
U 0328  
U 1103  
U 1127  
U 1132  
U 1450  
U 1540

USA.: 6937 U 1600 Cape Radio wkg AGAR 25 - SSSup (RAL-OH)  
6996 C 0117 HEAD-US Army MARS Wash DC - V mkr (DRH-PA)  
7635 U 1615 WEADCAP 22- Wash DC CAP- ??? (TM-NC)  
7702 C 2127 NAV- NCS Norfolk - CQ/wg mkr (TM-NC)  
8490 C 1904 WOP- Lantana FL MARCO - V mkr (CP-WV)  
8586 C 1625 WCC- Chatham MA MARCO - ??? (MLH-oh)  
8657 U 1623 WSL- Amagansett NY MARCO - ??? (MLH-oh)  
8728.2 U 0300 KMI- San Francisco MARCO - Trc List (JMN-GA)  
8864 U 2024 New York Aero wkg ASCOT 4923 (IK-UK)  
8984 U 1540 NMG- CG San Francisco wkg CG 1603 (NWS-IA)  
8984 U 1548 WGC- CG Miami wkg CG 1483 (BGW-VA)  
8984 U 2337 NMW51- CCAS Astoria wkg CG 1484 (JGH-ND)  
9014 U 2201 AFG9- Scott AFB wkg SAM 24197 (RWS-NY)  
9132 U 1605 Cape Radio wkg AGAR 25 - SSSup (RAL-OH)  
10075 U 2012 Houston LD003 wkg a/c 104 ALFA ROMEO (RMS-NY)  
10093 U 1598 WGY919- FEMA - QFH? wkg WGY912 Mt. Weather (ES-WA)  
10780 U 1256 Cape Radio with countdown/time checks (WWS-IA)  
11205 U 1900 Cape Radio wkg AGAR 25 & GABBY//10305 (LSD-NU)  
12022.5 C 2215 KRN50- USDOS Wash DC - QRA mkr (REH-WA)  
12704.5 C 1422 WLO- Mobile AL MARCO - Caribbean Wg (PAG-NC)  
13011.5 C 2005 WNU44- Slide ll LA MARCO - CQ/QSX mkr (HDT-WV)  
16725 C 2027 WCG- Chatham MA MARCO - WCC? only mkr (EC-WD)  
17194.4 C 1935 WSL- Amagansett NY MARCO - CQ mkr (HDT-WV)  
18525 C 2100 KRN50- USDOS Wash DC - QRA/QSX mkr (RWA-IA)  
20190 I var. rebroadcast of Houston/Shuttle comms(LSD)(NDL)  
\*\*\* CENTRAL AMERICA \*\*\*\*  
TIM- Limon MARCO - ?????? (MLH-oh)  
NTCA: 8855 U 0122 Managua Aero wkg Manuas Aero (CC-DE)  
PANA: 11176 U 1259 AHP3- Albrook AFB wkg SAM 12493 (JCH-MD)  
12872 C 2129 HPN60- Canal MARCO - ?????? (CS-MO)  
\*\*\* CARIBBEAN \*\*\*  
BARB: 12707 C 2115 8PO- C&W Bridgetown MARCO - ?? mkr (DRH-PA)  
CUBA: 6337 C 0650 CIA- Havana MARCO - CQ/QSX mkr (AJA-VA)  
6435 C var. CIQ- Havana MARCO - CQ/QSX mkr (AJA-VA) (ERN-NM)  
8842 C 2045 COJ- Havana Aero wkg a/c 86578 & ERNV (RWA-IA)  
10536 C 0917 COY895- Havana NAVRAD - c1g RIW (GLB-FL)  
12954.9 C 0726 GLS- Havana MARCO - CQ/QSX mkr (BFS-CA)  
13339.2 U 1915 Harana (Boyerlos) LD0C wkg CUBANA431 in SS (IK-UK)  
21815 C 1319 CLM653- Havana PTP c1g UJ2 (PAC-UK)  
21882 C 0022 Abjeet Gtmo wkg CG San Juan (JCH-MD)  
6388 C var. FUF- Ft. de France NAVRAD - V mkr (AJA-VA) (ERN-NM)  
8478.5 C 0130 FUF- Ft. de France NAVRAD - V mkr (OS-MO)  
13031.2 C var. FUF- Ft. de France NAVRAD - V mkr (PAG-NC) (GLB-FL)  
16960 C 2040 FUF- Ft. de France NAVRAD - V mkr (MLH-oh)

8634 I 1739 LIME AID CONTROL c1g any station (no joy) (BPS-CA)  
8771 U 1408 SPARTAN p/p via RASPBERRY PENSACOLA (BGW-VA)  
8918 U var. OTIS 21/69 wkg New York Aero (JDM-WN)  
8989 U 0055 KING 86 p/p AIR RESCUE 01 via McCellan AFB (MDC-NY)  
8989 U 0105 LITFER 71 p/p RESCUE 01 via McCellan AFB (MDC-NY)  
8989 U 0110 HAZARD OPS wkg CHEVY 4 (MDC-NY)  
8993 U 1840 SAM 24129 wkg Albrook AB (CC-DE)  
8993 U 0110 "AACY" p/p Howard Metro via Albrook AB (MDC-NY)  
8997 U 0612 ALFA 4 LJMA wkg BRAVO 0 FOXFROT (NAP-AL)  
9007 L var. SAM 01/SAM 31683/24126 wkg Andrews (RAL-OH)(LSD-NJ)  
9018 U 2150 SAM 24197 p/p SAM CP via Andrews (CC-DE)  
9026 U 2001 AIR FORCE ONE wkg Andrews AFB (LSD-NU)  
9180 U 0425 SAM 12496 wkg Andrews AFB (RAL-OH)  
10112 L 1654 SAM 01 wkg Andrews AFB (RAL-OH)  
10305 L 1701 AGAR 25 wkg Cape Radio // 11205 kHz (LSD-NJ)  
10583 L 1942 TITMOUSE wkg MacDill AFB (CC-DE)  
10780 U 0726 DISHPAN wkg Ascension Radio - SSSup (RWP-IX)  
10780 U 1754 AGAR 24 wkg Cape Radio - SSSup (LSD-NJ)  
11117 U 1702 LOCKUP with rollcall - VACANCY,PICKAXE, etc (MWJ-ID)  
11176 U 2102 HAMMER 5/HAMMER OPS NORTH wkg Albrook AB (CC-DE)  
11180 L 2149 SAM 24126 wkg Andrews AFB (CC-DE)  
11182 U 1926 DRAGNET wkg CENTRA ALFA (via Scott??) (CC-DE)  
11182 U var. CENTURY 25/WORLD 108 wkg Scott AFB (CC-DE)  
11186 U 0103 CROSSCUT/ASWOC Barbers Point) wkg Papa Victor 188(MTC)  
11214 U var. SENTRY 20/22/28 wkg Raymond 24 (TM-NC)  
11234 L 1937 SAM 26000 wkg AIR FORCE ONE (LSD-NU)  
11246 U 1929 ASCOT 5519 (RAF) wkg ARCHITECT (MDC-NY)  
11246 U var. TEAL 31 p/p Miami Monitor via MacDill AFB (LSD-NJ)  
11249 L 0034 TITMOUSE/OTIS 23 wkg MacDill (CC-DE) (BLA-PA)  
11249 U var. SAM 50496 wkg Andrews AFB (BLA-PA)  
11264 U 2126 SAM 86971 p/p via Andrews (LSD-NU)(CC-DE)  
11264 U 2055 DELTA XRAY 160 wkg McCellan AFB (CC-DE)  
11267 U 0248 MIKE 9 CHARLIE wkg INDIA 7 ROMEO (CC-DE)  
13211 U var. TITMOUSE wkg DOORBELL, MARSHAL & MacDill (CC-DE)  
13215 L 1715 SAM 01 p/p SAM CP via Andrews (LSD-NU)  
13244 U 2121 INDIA 4 ROMEO OSCAR p/p Key West via MacDill (CC-DE)  
13257 U 1757 MUSIC 0 wkg MUSIC 02 & 30 (JDM-WN)  
13457 U 2000 NAVY 50496 p/p via Andrews AFB (RAL-OH)  
13710 U 1700 SAM 01 wkg Andrews AFB (RAL-OH)  
13752 U 1900 SINK LAMP wkg NAVY 50496 (RAL-OH)  
14672.8 U 1638 GOLDEN ONE wkg PANTHER ONE (RWA-IA)  
15015 U 1738 AFRS 14863 p/p Moffett via Scott AFB (CC-DE)  
15015 U 1923 BANDY 52 p/p Minute Man via Scott AFB (CC-DE)  
15048 U 1830 01 DATA wkg BAKER 1 DATA (LSD-NU)

GIT.:  
MART:

NETA: 6491.5 C 0130 PJC - Curacao MARCO - CQ/QSX mkr (BLJ-TX)  
 8694 C 0156 PJC - Curacao MARCO - ????? (CS-MO)  
 P.R.: 5692 U 0031 NMR26 - CGAS Borinquen wkg CG 1494 (JCH-MD)  
 6777 U 0207 San Juan Aero wkg AMERICAN 658 (NAP-AL)  
 7720 C 0251 NMR - CG San Juan - CQ mkr (GLB-FL)  
 16981.2 C 0257 NMR - CG San Juan - AMVER b/c (MLH-OH)  
 TRIN: 6577 U 0450 Piarco Aero wkg ?????/c (NAP-FL)  
 8855 U 0205 Piarco Aero wkg PAPA YANKEE 713 (JCH-MD)  
 8855 U 0450 Piarco Aero wkg Paramaribo Aero (RMS-NY)  
 VIRG: 6515.7 U 0202 WAH - Virgin Islands MARCO - tlc list (RMS-NY)

\*\*\*\*\* SOUTH AMERICA \*\*\*\*\*

ARGN: 6512.6 U 0206 LFL30 - G.P.R., Buenos Aires - SS/OM/VM (RMS-NY)  
 12763.5 C 0045 LFD70 - G.P.R. - river tlc notices in SS (JEB-CA)  
 13159.7 U 0138 LFL4 - G.P.R., Buenos Aires - SS/OM/VM (BFS-GA)  
 17045 C 0039 LFD46 - G.P.R., Buenos Aires - V mkr (DB-AR)  
 ASCN: 11176 U 0251 AFD14 - Ascension AB wkg MAC 30289 (JCH-MD)  
 BRZL: 4251 C 2324 PFJ - Juncaco MARCO - ????? (CS-MO)  
 8520 C 0300 PPO - Olinda MARCO - NTM b/c (PAG-NC)  
 8855 U var. Manaus Aero wkg GLIPPER 440/441 (JCH-MD) (NAP-AL)  
 8855 U var. Belem Aero wkg GLIPPER 202/Paramaribo (JCH) (NAP)  
 8861 U var. Recife Aero wkg IBAQI 521/KLM 794/a/c 557 (JCH-MD) (CC-DE) (NAP-AL)  
 8861 U 0441 Rio de Janeiro Aero wkg Dakar Aero (JCH-MD)  
 8861 U 0446 Brasilia Aero wkg VARIQ 987 (JCH-MD)  
 8861 U 0448 Salvador Aero wkg Recife Aero in SS (JCH-MD)  
 12690 C 0206 PRJ - Juncaco MARCO - V mkr (GLB-FL)  
 12959 C 0201 PPO - Olinda MARCO - CQ mkr (GLB-FL)  
 12980 C 0159 PFL - Belem MARCO - V mkr (GLB-FL)  
 22421 C 2000 PPR - Rio de Janeiro MARCO - V mkr (GLB-FL)  
 22531 C 2005 PWZ33 - Rio de Janeiro NAVRAD - CQ mkr (GLB-FL)  
 CHIL: 4766a C 0711 CCS - Santiago NAVRAD - V mkr (BFS-CA)  
 7423 C 7748 CGS - Santiago NAVRAD - V mkr (AJA-VA)  
 6386.5 C var. HKG - Buenaventura MARCO - DE/QSX mkr (AJA-VA)  
 17004 C 1945 HKB - Barranquilla MARCO - CQ/QSX mkr (HDT-NV)  
 COLO: 4766a C 0711 CCS - Santiago NAVRAD - V mkr (BFS-CA)  
 6386.5 C var. HKG - Buenaventura MARCO - DE/QSX mkr (AJA-VA)  
 17004 C 1945 HKB - Barranquilla MARCO - CQ/QSX mkr (HDT-NV)  
 ECUA: 7600 A 0230 H2D10A - SPTS Guayaquil - (VHR-NY)  
 PERU: 8546 C 0115 OBC3 - Callao MARCO - V mkr (JEB-CA)  
 10024 U 0420 Lima Aero wkg LUFTHANSA 512 (JCH-MD)  
 SOGO: 9106 U 0005 ZBH - Grytykwen wkg ZHF33 S1gney (LSD-NJ)  
 SUR1: 2182 U 0458 PZN - Paramaribo MARCO wkg Cuba (JCH-MD)  
 8652.5 C 0250 PZN - Paramaribo MARCO - ??? (REH-WA)  
 8855 U 0535 Paramaribo Aero wkg New York Aero (NAP-AL)  
 URGU: 4346 C 0716 CWA - Cerrito MARCO - V mkr (AJA-VA)  
 12730 C 0715 CWA - Cerrito MARCO - V mkr (BFS-CA)  
 22313 C var. CWA - Cerrito MARCO - CQ/QSX mkr (GLB-PA) (BFS-CA)  
 YVENB: 17143 C 1850 YVG - La Guaira MARCO - V mkr (GLB-FL)

\*\*\*\*\*NUMBERS\*\*\*\*\*

\*\* The new format isn't working out. Too many don't provide enough data to make this system practical, and casual buffs find the new format confusing. Any realistic suggestions?? Temporary format below.

0000-25JAN-3090-A-SY-5d (RR-TX) 0334-24JAN-5812-A-SY-5d (JEB-CA)  
 0000-26JAN-9040-U-GY-5d (RR-TX) 0338-14JAN-5812-A-SY-5d (BLJ-TX)  
 0000-24JAN-9074-U-SY-4d (PCO-RI) 0400-16JAN-3090-A-SY-5d (RR-TX)  
 0002-24JAN-9265-U-GY-5d (BC-MD) 0400-15JAN-5812-A-SY-4d (RR-TX)  
 0100-11JAN-3090-A-SY-5d (RR-TX) 0400-16JAN-6802-A-SY-4d (RR-TX)  
 0110-01JAN-5812-A-SY-4d (JMN-CA) 0400-13JAN-9038-C-XX-5d (FMB-NJ)  
 0100-28JAN-9072-A/SY-4d (W3-ONT) 0404-20JAN-9038-C-XX-5d (FMB-NJ)  
 0100-29JAN-11532-A/SY-4d (PCO-RI) 0420-16JAN-8417-A-SY-4d (RR-TX)  
 0110-28JAN-9074-A-SY-4d (RR-TX) 0453-22JAN-6090-A-SY-?d (TML-AL)  
 0116-28JAN-7532-U-GY-5d (RR-TX) 0506-22JAN-6891-A-SY-?d (TML-AL)  
 0124-27JAN-5812-A-SY-4d (RR-TX) 0507-22JAN-6805-A-SY-5d (JMN-CA)  
 0125-23JAN-3646-A-SO-?d (RR-TX) 0532-31JAN-6665-U-SY-5d (NAP-AL)  
 0130-24JAN-10570-A-SY-4d (PCO-RI) 0630-01FEB-4020-A-SY-5d (JEB-CA)  
 0135-24JAN-13808-A-SY-3d (RR-TX) 0640-03FEB-9357-A-SO-5d (AJA-VA)  
 0150-24JAN-6802-A-SY-4d (RR-TX) 0902-?????-6768-SY-5d (JMN-CA)  
 0200-28JAN-4670-A-SY-4d (RR-TX) 1420-18JAN-24581-S-GY-5d (BC-MD)  
 0200-14JAN-5135-C-XX-5L (FMB-NJ) 1430-16JAN-11532-A-SY-4d (RR-TX)  
 0200-21JAN-5135-C-XX-5L (FMB-NJ) 1506-15JAN-10132-A-GY-5d (PAT-GA)  
 0200-07JAN-8873-M-XX-5L (FMB-NJ) 1623-15JAN-16450-C-XX-5d (RR-TX)  
 0200-14JAN-8873-M-XX-5L (FMB-NJ) 1713-23JAN-18195.2-3-GY-5d (RWA-IA)  
 0200-21JAN-8873-M-XX-5L (FMB-NJ) 1725-22JAN-18737-M-XX-4d (PCC-RI)  
 0204-28JAN-8873-M-XX-5L (RR-TX) 1833-20JAN-16428-A-SY-5d (PAT-GA)  
 0205-24JAN-4640-A-SO-?d (RR-TX) 2033-16JAN-16450-A-SY-4d (JEB-CA)  
 0250-21JAN-3646-A-SO-?d (RR-TX) 2100-07JAN-14846-A-SY-5d (RR-TX)  
 0302-25JAN-3646-A-SO-?d (RR-TX) 2117-26JAN-11532-A-SY-4d (TI-IL)  
 0300-26JAN-4670-A-SY-4d (RR-TX) 2315-28JAN-16450-A-SY-4d (RR-TX)  
 0300-10JAN-7527-A-SY-5d (RR-TX) 2326-26JAN-11533-A-SY-4d (GLB-FL)  
 0308-16JAN-4670-A-SY-4d (JEB-CA) 2335-31JAN-12163-M-XX-4d (RR-TX)  
 0315-24JAN-4780-A-K.P.A.2(PCO-RI) 2339-24JAN-11532-A-SY-4d (RR-TX)  
 0325-28JAN-6840-M-XX-4d (PCC-RI)  
 0325-17JAN-9074-A-SY-4d (RR-TX)  
 0330-23JAN-6840-M-XX-4d (RR-TX)  
 0332-09JAN-6841-M-XX-4d (BLJ-TX)

AZOR: 3016 Santa Maria Aero wkg Navc RAT 352/SWING 72 (IK-UK)  
 4746 CUV-Lajes AB wkg MAC 70016 (RMS-NY)  
 12994 C 1731 CTH55-Horta NAVRAD - V mkr (PAC-UK)  
 BELG: 8652 C 0544 OSTW/42-Oostende MARCO - V mkr (GLB-FL)  
 13067 C 1452 OST-Oostende MARCO - V mkr (DB-AR)  
 13119.4 U 2050 OSU51-Oostende MARCO wkg IUOP (RMS-NY)  
 DEN: 8599 C 0549 OKZ4-Lyngby MARCO - CQ mkr (GLB-FL)  
 ENG: 1792 U 0344 Varne Light Vessel - WX to N.Foreland Radio(IK-UK)  
 4309 C 0331 MLI-Plymouth NAVRAD - ????? (MLH-oh)  
 4722 U 2219 MVU-West Drayton VOLMET (ES-Ma)  
 5649 U 2309 London FIR wkg Gander Aero (OC-DE)  
 8765 U 2100 Portishead MARCO p/p for ??? (WJS-ONT)  
 11176 U 2101 AJEB - Croughton AB wkg MAC 38009 (JOH-MD)  
 2034.5 U 1108 BBC Daventry Feeder (SAC-AUST)  
 4231 C var. HNW-Paris NAVRAD - V mkr (MLH-oh) (CS-MO)  
 4842.7 C 1705 FDE6-PF AF Greul - V mkr (AM-UK)  
 4942 C 0705 FDY-FF AF Orleans - V mkr (AJA-VA)  
 5085 C 0015 FIT75-Paris Prefecture - V mkr (AM-UK)  
 8453 C 0058 HNW-Paris NAVRAD - V mkr (CS-MO)  
 8522.5 C var. FFLA- St. Lys MARCO - CQ mkr (DB-AR) (CS-MO)  
 13873 C 1256 FIN87-URSI St. Assise-QSB b/c (IK-UK)  
 U 1545 DFM91-GG AF-QTH?? wkg Aerolloyd a/c (IK-UK)  
 12763.5 C var. DAM-Norddeich MARCO - V mkr (AJA-VA) (MLH-oh)  
 17992 U 2112 DFM99-GG AF-QTH?? wkg T.A.C.590 (JCH-MD)  
 20994 U 1731 AMLIBP-AMARS Baumholder - trc to USA (IK-UK)  
 4742 U var. RAF Gibraltar wkg ARHITECT-a/c 529(RMS-NY) (LSD)  
 8627.9 C 0147 GYU-Gibraltar NAVRAD - DE/QSX mkr (BLJ-TX)  
 8537 C 0552 SVF-Athens MARCO - DE mkr (GLB-FL)  
 14358 C 1623 KWS78-USMB Athens - QRA mkr (DRI-PA)  
 ICE: 8891 U 0017 Iceland Aero wkg JAPAN AIR 433 (JOH-MD)  
 7302 C 7650 IDR3-Rome NAVRAD - V mkr (AJA-VA)  
 12997 C 0600 IAP76-Rome MARCO - QRA mkr (GLB-FL)  
 13015.5 C var. IAR3-Rome MARCO - V mkr (FAT-CA) (GLB-FL)  
 16005 C 1829 IDR6-Rome NAVRAD - V mkr (BG-MD)  
 NOR: 8528 C 0259 LGW-Rogaland MARCO - CQ mkr (GLB-FL)  
 8891 U 1506 Bodo Aero wkg DAN AIR 434 (IK-UK)  
 12961.5 C 1456 LGW-Rogaland MARCO - V mkr (DB-AR)  
 PORT: 12944.5 C 2015 SHUL7/20-Monsanto NAVRAD - CQ/QSX mkr (HDT-WV)  
 SCOT: 8879 U 1221 Cuanwick Aero wkg GERMAN AF 1003 (JCH-MD)  
 SPAN: 6382 C 0207 EAD2-Aranjuez MARCO - ????? (MLH-oh)  
 8529 C 0039 EBA-Madrid NAVRAD - CQ mkr (GLB-FL)  
 13059 C 2010 EBA-Madrid NAVRAD - WX b/c (HDT-WV)  
 17018 C 1620 EBA-Madrid NAVRAD - CQ mkr (DB-AR)  
 TURK: 12737 C 0802 TAH-Istanbul MARCO - V mkr (GLB-FL)

4583 U 1510 PROFILE 1 wkg PROFILE 2 - talk about missing a/c(MDL)  
 6100 C 1400 U mkr for V K 3 0 (HDT-WV)  
 6997.4 L 1555 Long haul trucker comms in OK & MO areas (RLR-KS)  
 9362 C 2255 A 5 B - Vs & QSV to K 9 B (JEB-CA)  
 13453 L 1250 car won't start- cordless telephone harmonic?(OS-MO)  
 14210 C 1910 V E C 8 wkg unid sta with 3 ltr gps (RWB-NJ)  
 16455 C 1852 CMN CMN QTC3 repeats- NW NW into t/c (PAT-CA)  
 16461 U 1918 SS/ON talks - possible drug t/c (BC-MD)  
 16588 U 1929 SS/EE/OM - FEDERAL wkg KONTONIA GOLAY- drug? (BG-ITLX)  
 18487.1 C 1214 CQ CQ DE VVO VVO VVO (HDC-AUST)

\*\*\* UNIDENTIFIED \*\*\*  
 \*\*\* RADIOTELETYPE \*\*\*  
 2301 0 1937 --/---- FIT535-Prefecture Rennes FRAN- msgs (JK-FRG)  
 2747.2 1920 50/850n Guarfi Marsala ITLY - msgs to Palermo (AM-UK)  
 2840.0 1954 SITOR GMP-INTERPOL London ENG- msgs (JK-FRG)  
 3043.5 2336 50/425r Graugel Metro FRG - WX (IK-UK)  
 3582.9 1730 50/170n Guarfi Nereto ITLY wkg Vasto (RMA-FRAN)  
 3593.6 1745 SITOR HEP-INTERPOL Zurich SWIS-?? (RMA-FRAN)  
 3767.8 0020 50/425r FDG-FF AF Bordeaux FRAN- msg to RFFVA (AM-UK)  
 4005.0 0255 LR03-TELAM Buenos Aires ARGN- SS/NX (JEB-CA)  
 4185.0 0647 75/850r AME3-Madrid NAVRAD SPAN - RY/SGs (JEB-CA)  
 4462.0 0230 50/850n CCS-Santiago NAVRAD CHIL- SS WX (JEB-CA)  
 4460.0 0250 50/850r LR08-SAPORITI Buenos Aires ARGN- SS/NX (JEB)  
 4773.0 1605 50/425r 3R16-Bangkok Metro PRC - c1g 35U w/WX (AM-UK)  
 5013.6 2355 50/850r RBSL-Bombay NAVRAD INDI- Rys (AM-UK)  
 5393.0 0025 50/850r CAL3-Balmaceda Air CHIL- WX (AM-UK)  
 5302.0 ---- 50/850- EIP-Shannon Air ETHR - Rys (RR-TX)  
 5421.3 2000 50/225r GYA-London NAVRAD ENG - FOXs (RMA-FRAN)  
 5450.0 0315 75/425n VOA Munich FRG - EE/WX (JEB-CA)  
 5781.5 1655 50/425r TUR55-Abidjan Air IVRY- Rys (BFB-NH) (RR-TX)  
 6251.0 0625 75/850- AME3-Madrid NAVRAD SPAN - Rys (RR-TX)  
 6225.0 0358 75/850r MITI-RN QTH?? - RY/FOXs (RMA-IA)  
 6737.0 0125 50/425r ETJ3-Addis Ababa Air ETHO- Rys (AJD-NJ)  
 6770.3 0010 50/850r LOI-Buenos Aires NAVRAD ARGN - WX (AM-UK)  
 6792.4 0220 50/425r SUC40-Cairo Air EGYT - Rys (AJD-NJ)  
 6842.0 0410 75/850- AME3-Madrid NAVRAD SPAN- RY/SGs (RR-TX)  
 6952.0 0405 50/425r 51E12-Nairobi Metro KEN - WX (JEB-CA)  
 6984.0 2300 50/425- GIL26B-AP London ENG - EE/NX (RMA-FRAN)  
 6989.0 2010 50/850r 8Q9-Male Air MALD - Rys (AM-UK)  
 7330.0 1640 50/850n BA44-Beijing Metro PRC - WX (AM-UK)  
 7396.0 1345 50/500n HSW64-Bangkok Metro THAI - WX (JEB-CA)  
 7425.0 2118 --/---- Y2V5-ADN Berlin GDR - EE/NX (IK-UK)  
 7439.0 0435 50/425n QSN4-unid sta - FOXs (RMA-IA)

USSR: 3407.0 U 0045 Alma Ata VOLMET - RE/YL/6730 & 8819 kHz (IK-UK)  
6617 A 1540 Moscow VOLMET - RR/YL/3116 & 8939 kHz (IK-UK)  
16330 L 1110 Radio Moscow Feeder - (SAC-AUST)  
17218.5 C 1530 UFB - Odessa MARCO - DE mkr (PAC-UK)  
\*\*\*\* AFRICA MIDDLE EAST \*\*\*\*  
ALGE: 12661 C var. 7TH/4/8- Algiers MARCO - CQ mkr. (DRH-PA) (GLB-FL)  
ANGO: 8903 U var. Luanda Aero wkg AEROFLOT 453/U.T.743 (JCH) (NAP)  
17775 C 2025 D3B51/61- Luanda MARCO - CQ/QSX mkr (HDT-WV)  
22311.3 C var. D3B81- Luanda MARCO - CQ mkr (PAC-UK) (GLB-FL)  
BRAN: 5538 U 2206 Falcon LDOC wkg JAPAN AIR 461 (IK-UK)  
5658 U 2133 Bahrain Aero wkg PHILIPPINE 724 (JCH-MD)  
12710 C 0605 A9M- Bahrain MARCO - DE mkr (GLB-FL)  
17202 C 1026 A9M- Bahrain MARCO - DE mkr (PAC-UK)  
CNRV: 8861 U var. Canarias Aero wkg KLM 794/c1g Dakar (CG-DE) (JCH)  
CAPE: 8861 U var. Sal Aero wkg CUBANA 496/KIM 794 (JCH-MD) (CG-DE)  
11291 U 2222 Sal Aero wkg CUBANA 492 (IK-UK)  
CONG: 8903 U var. Brazzaville Aero wkg ANGOLA 0611/1/?(JCH-MD) (NAP)  
DUIB: 17043 C 0101 FUV- Djibouti NAVRAD - V mkr (GLB-FL)  
5658 U 0005 Caliro Aero wkg SEYCHELLES 105 (JCH-MD)  
EGPT: 11300 U 0628 Caliro Aero wkg SEYCHELLES 102 (JCH-MD)  
ETHO: 5658 U 2337 Addis Aero wkg EGYPT AIR 759 (JCH-MD)  
11300 U 1957 Addis Aero wkg LUFTHANSA 535 (JCH-MD)  
GUITA: 8861 U var. Comakry Aero wkg Dakar/flight 331 (JCH-MD) (CG-DE)  
ISRL: 8519 U 0301 4Y2- Haifa NAVRAD - V mkr (GLB-FL)  
IVRY: 6586 U 0440 Abidjan Aero wkg Accra Aero (NAP-AL)  
8861 U 0041 Abidjan Aero wkg SPRINGBOK 249 (JCH-MD)  
KEN: 11300 U 2105 Nairobi Aero wkg MAC 50261 (CG-DE)  
LIBE: 7651 C 2146 KKN44- USEMB Monrovia - QRA/QSX mkr (TM-NC)  
8861 U var. Roberts Aero wkg SPRINGBOK 252/273 (JCH-MD) (CG-DE)  
11472 C 2340 KKN44- USEMB Monrovia - QRA mkr (GLB-FL)  
LYBA: 8894 U 0613 Tripoli Aero wkg ALFA DELTA ALFA ZULU (JCH-MD)  
MADA: 10057 U 0026 Antananarivo VOLMET - FF/OM (NIG-AZ)  
MADE: 8462 C 2131 CUB- Madeira MARCO - CQ mkr (GLB-FL)  
MALI: 8861 U var. Bamako Aero wkg Dakar Aero (JCH-MD) (CG-DE) (JCH)  
MURI: 19360 C 1210 5TP25- INTERPOL Nouakchott clg FSB (AM-UK)  
MAUR: 8879 U 2050 Mauritius Aero wkg SPRINGBOK 295 (JCH-MD)  
MROC: 8861 U 0019 Casablanca Aero wkg Sal Aero (JCH-MD)  
NICE: 8903 U 2320 Nimes Aero wkg ZAMBIA 703 (JCH-MD)  
REUN: 8475.6 C var. FUX- FF NAVRAD - V mkr (BPS-CA) (CS-MO)  
SAUD: 5444 U 0306 Dhahran LDOC wkg Jeddah LDOC (IK-UK)  
8861 U 0244 Dakar Aero wkg SCANDINAVIAN 958 (JCH-MD)  
SENE: 8861 U 2155 Dakar Aero wkg TIMBUCTU 790 (CG-DE)  
8861 U var. Dakar Aero wkg IRAQI 522/VARIG 701 (NAP-AL) (RMS)  
8992 C 0530 6WW- Dakar NAVRAD - V mkr (ERN-NN)

7542.5 0010 50/425r ZEN33- AFP Hong Kong - EE/NX (AM-UK)  
7567.0 0906 75/---- CUW- USAF LaJes AZOR- FOXs (JK-FRG)  
7646.9 2158 50/425r DRK- Quickborn Metro FRG - WX (RMA-FRAN)  
7943.0 0300 75/850r MRK- USN Keflavik ICE - FOXs (JEB-CA)  
7955.0 0055 75/850r CV179- AP Montevideo URGY - SS/NX (JEB-CA)  
8071.5 1530 50/850r AWD- Delhi Air INDI - RYs (AM-UK)  
8123.0 0005 50/425n TNL48- ASEONA Brazzaville CONG- RYs (JEB-CA)  
8130.0 0121 50/170r MKD- RAF Akrotiri CYPR- RYs (PAC-NC)  
8165.0 1944 50/425- SYD- Nairobi Metro KEN- RYs (PAC-UK)  
8300.0 0055 50/170n VZUR- KULIKOVO POLE - tfc to UJY (JEB-CA)  
8340.0 0110 50/170n UYAD- M. GORKII - RYs to UFB (JEB-CA)  
8544.0 0215 50/170n ESWJ- DIVINSKII ZALIV - tfc to UFL (RMA-IA)  
8557.0 0045 50/170n UEZB- KANEV - tfc to Leningrad (JEB-CA)  
8716.5 1350 50/425n BAL2- Beijing PTP PRC - RYs (JEB-CA)  
9114.0 1723 50/425- HG331- WTI Budapest HUNG - EE/NX (PAC-UK)  
9154.0 0539 50/425- D4B- Sal Air GAPE - RYs (ERN-NN)  
9267.8 0008 50/425r FYJ3- Dumont d'Urville ANTA - msg VNJ/NGD (AM-UK)  
9315.0 2251 50/425- SMA- Athens Air GREE - tfc to Cairo (PAC-UK)  
10137.1 1616 50/425- TNL96- Brazzaville Air CONG- RYs (PAC-UK)  
10169.5 1650 50/425n HSW63- Bangkok Metro THAI - WX (AM-UK)  
10300.7 1630 50/425n AZAP Kinshasa ZIRE - FF/NX (RMA-FRAN)  
10381.0 1810 50/425n YOK33- PTP Giurgiu ROMA - tfc Leningrad (JEB)  
10400.0 1704 50/425r HGX21- MFA Budapest HUNG - clg HGX62 (AM-UK)  
10407.5 var. 6VU- Dakar Air SENE- RYs (PAC-UK) (ERN-NN) (PAC-NC)  
10602.5 1530 --/---- MAN Lagos NIGR - EE/NX (JK-FRG)  
10649.0 0130 50/425r GIC30B- AP London ENG - QRA (IK-UK)  
10867.6 0050 50/425r NCD- McMurdo ANTA - msgs VNJ/FJY3 (AM-UK)  
11000.0 0030 50/850n CAK- Santiago Air CHIL- WX (AM-UK)  
11035.0 1552 50/425- UKS- unid USSR - clg UJY with RYs (PAC-UK)  
11133.0 1604 50/425- BZC41- XNA Beijing PRC - QRA (PAC-UK)  
11443.2 1630 50/425r SSK- Kano Metro NIGR - RYs (AM-UK)  
11443.2 1640 50/425r 9A729- Lusaka Air AZMB - RYs to Kinshasa (AM-UK)  
12048.0 1601 50/425- YZG- TANJUG Belgrade YUGO - RYs (PAC-UK)  
12097.0 0105 50/425n XVA89- PTP Hanoi VIEF - RYs (JEB-CA)  
12260.0 2350 50/425r ZPN- Asuncion Air PARA - RYs (AM-UK)  
12500.5 0035 50/170n UUZC- MA 0065 - RYs (JEB-CA)  
12501.5 0035 UMEQ- MA 0063 - tfc to Murmansk (JEB-CA)  
12507.0 0044 50/170n LYGF- SUKHONDYAEVSKI - coded tfc (JEB-CA)  
12507.0 0030 50/170n LYGD- VOLOPAS - tfc to UJY (JEB-CA)  
12508.0 0025 50/170n USNX- TSEFEI - tfc to Kallinigrad (JEB-CA)  
12509.0 0050 50/170n UTJB- PROLIV SUNIKOVA - RYs to UJY (JEB-CA)  
12513a 2325 50/170n ESRO- PETROKABRIT - clg URB2 (RMA-IA)  
12515.0 0055 50/170n USRH- ALEKSANDRIT - tfc Kallinigrad (JEB-CA)  
12515.5 2340 50/170n LYDY- RTMS 7558 - RYs to URB2 (JEB-CA)  
12515.5 0035 50/170n UPRR- MA 0055 - RYs to Murmansk (JEB-CA)

13411 C 2321 6WV- Dakar NAVRAD - V mkr (GLB-FL)  
 8879 U 2107 Mahe Aero wkg SPEDEBIRD 68 (JCH-MD)  
 11300 U 1945 Mogidisha Aero wkg Nairobi Aero (JCH-MD)  
 6335-7 C 0311 ZRH- Cape NAVRAD Fisantekraal- ??? (MLH-C/H)  
 8566 C 0544 ZSJ-J- Cape NAVRAD Silvermine - CQ/GSX (BFS-CA)  
 8688-5 C 0532 ZSD- Capetown MARCO - CQ mkr (BFS-CA)  
 8715a C 1737 ZSD- Durban MARCO - DE/TLX mkr (BFS-CA)  
 8861 U 0406 Johannesburg Aero wkg SPRINGBOK 235 (JCH-MD)  
 8879 U 2052 Durban Aero wkg Mauritius Aero (JCH-MD)  
 8933 U var. Johannesburg LDCC wkg SPRINGBOK 201/235(LSD) (RMS)  
 12693 C 1815 ZSJ- Cape NAVRAD Simonstown - V/MC mkr (RMA-FRAN)  
 12849 C 1900 ZSJ- Cape NAVRAD Silvermine - CQ/GSX mkr (AJA-VA)  
 13073 C 2009 ZSD- Durban MARCO - DE/TLX mkr (BLJ-TX)  
 17132 C 1542 ZSJ- Cape NAVRAD Silvermine - CQ mkr (PAC-UK)  
 22592 C 1445 ZSD- Durban MARCO - DE/TLX mkr (AJD-NJ)  
 5658 U 2353 Khartoum Aero wkg LUFTHANSA 541 (JCH-MD)  
 11300 U 0543 Khartoum Aero wkg SEYCHELLES 103 (JCH-MD)  
 8879 U 2047 Dar-es-Salaam Aero wkg SCANDINAVIAN 965 (JCH-MD)  
 11300 U 2204 Dar-es-Salaam Aero wkg SABENA 500 (CC-DE)  
 5658 U 2142 Aden Aero wkg Khartoum Aero (JCH-MD)  
 13060.5 C 1415 70A- Aden MARCO - DE mkr (HPT-NV)  
 8903 U 2052 Kinshasa Aero wkg UGH 326 (JCH-MD)  
 8879 U 0433 Luksaka Aero wkg SPEDEBIRD 55 (JCH-MD)

\*\*\* ASTIA/FAR EAST \*\*\*  
 10066 U 1148 Rangoon Aero wkg Calcutta Aero (JCH-MD)  
 10066 U 1330 Rangoon Aero wkg a/c 574 (NAP-AL)  
 10000 A 1530 BPH- SFTS Lintong - CW/voice ID (PAT-CA)  
 17002 C 1100 XSG29- Shanghai MARCO - tfc list (JEB-CA)  
 17103-2 C 0107 XSG39- Shanghai MARCO - CQ mkr (SAC-AUST)  
 8879 U 1234 Cocos Aero wkg CHARLIE FOXTROT 115 (JCH-MD)  
 11176 U 2056 Diego Tower wkg MAC 40265 (JCH-MD)  
 8942 U 1211 Hong Kong Aero wkg SWISSAIR 199 (JCH-MD)  
 3467 U 0153 Bombay Aero wkg LIMA HOTEL 346 (IK-UK)  
 5658 U 2152 Bombay Aero wkg GARUDA 885 (CC-DE)  
 6356 U 1650 Madras Aero wkg MALAYSIAN 2 (SM-JPAN)  
 6556 U 1638 Calcutta Aero wkg KLM 888 (SM-JPAN)  
 10018 U 1240 Bombay Aero c/g AIR INDIA 934 (SAC-AUST)  
 10066 U 1206 Calcutta Aero wkg ROYAL NEPAL 216 (JCH-MD)  
 10066 U 1216 Madras Aero wkg AEROFLOT 538 (JCH-MD)  
 10671 C 1810 VTP28- Port Blair NAVRAD c/g VTP28 (JK-FRG)  
 6467 C 1223 JCS- Choshi MARCO - tfc list (SAC-AUST)  
 6352 U 1250 Tokyo Aero wkg JAPAN AIR 943 (CC-DE)  
 6680 U 0622 Tokyo VOLMET (JMN-CA)  
 10463-4 C 1246 KML90- USEMB Tokyo - QRA mkr (SAC-AUST)  
 13008 C 0056 JOR- Nagasaki MARCO - CQ mkr (GLB-FL)

12518.5 0115 50/170n UOAP- REZHNEKI - Rys to UFN (JEB-CA)  
 12520.0 0100 50/170n UNNP- ZHEBZDA - tfc (JEB-CA)  
 12520.0 0045 50/170n UKFR- KONSTANTIN ALEKSEEV- Rys (JEB-CA)  
 12520.5 0050 50/170n UBUV- KOMSOMOLETS SPASSKA - Rys (JEB-CA)  
 12520.5 0045 50/170n UTSS- YARKI LUCH- Rys to UJY (JEB-CA)  
 12522.0 2356 50/170n UJZH- FROLIV VIKTORIYA Rys to UJY (JEB-CA)  
 12522.0 0110 50/170n UFKW- GROMI??? - tfc to ROT (JEB-CA)  
 12522.5 0140 50/170n UMTG- # 7547 - Rys to Riga (JEB-CA)  
 12522.5 0100 50/170n UMG1- VOROSHOULOV - Rys to UJQ (JEB-CA)  
 12523.0 0120 50/170n UMBH- MA 0063 - Rys to URB2 (RWA-IA)  
 12524.0 0003 50/170n UVXN- GARSUNER PROKOPENKO- Rys to UJQ (JEB-CA)  
 12524.0 0015 50/170n LYXE- MARSHN - tfc to Murmansk (JEB-CA)  
 12524.5 0024 50/170n EVBF- APOGUBI - Rys to UJH (RWA-IA)  
 12524.5 0012 50/170n UVTV- BORIS ALEKSEEV - c/g UJH (RWA-IA)  
 12526.5 0100 50/170n UFMF- PROFESSOR ZUBOV???- Rys to RNO (JEB-CA)  
 12645.0 0045 50/170n EOPC- name unkn - Rys to BUER # 3734 (JEB-CA)  
 12740.0 2246 50/170n UDK2- Murmansk MARCO USSR- RR/AX (RPD-NJ)  
 12740.4 1255 75/850r PBC3- Goeree NAVRAD HOLL- Rys (RPD-NJ)  
 12892.4 var. 50/850r FWZ- Rio de Janeiro NAVRAD- Rys (PAG-NC) (JEB)  
 13093.5 2118 TOR WLO- Mobile AL MARCO - tfc to PRSV (PAG-NC)  
 13367.0 1858 50/----n 5YD- Nairobi Air Ken - Rys (RPD-NJ)  
 13597.5 1327 50/425r OL12- CETEKA Prague CZEK - C2/NX (RPD-NJ)  
 13689.0 1315 --/---- 9RB336- AZAP Bukavu ZIRE - FF/AX (JK-FRG)  
 13779.0 1220 50/425r BCA95- Ptp Shanghai PRC - QRA (AM-UK)  
 13974.0 2035 75/425r NNW07CB- MARS Mckurdo ANT- wkg NNW05WP (AJD-NJ)  
 14378.8 1633 75/425n 6C2- CZECEMB Lagos NIGR- msg to Prague (AM-UK)  
 14761.4 1655 75/170r ZRH- CAPE NAVRAD SAN Diego- relay tfc (AM-UK)  
 16015.0 2053 50/850r NNW08CB- MMARS San Diego- relay tfc (AM-UK)  
 16091.6 1415 50/425- ZRH- Cape NAVRAD SOAP - c/g MAU (RPD-NJ)  
 16106.1 2042 50/425n STK- Khartoum Air SUDN - DE mkr (PAC-UK)  
 16115.1 1200 75/425n FPQ8- DIPIO Paris FRAN - FF/NX (PAG-UK)  
 16210.0 1520 50/425r AN08- USSR EMB Madrid SPAN- Rys to RIG (AM-UK)  
 16210.5 1520 50/425r SOQ221- PAP Warsaw POL - Rys (AJD-NJ)  
 16672.5 2110 ARQ/170 EFBEZ- TROPICAL LIGHT - wkg WLO (RWA-IA)  
 17432.4 1205 50/850r SPAN EMB Malabo GUTA - msgs to Madrid (AM-UK)  
 18160.0 1006 50/425r RTU417- TASS Moscow USSR - EE/NX (RDG-AUST)  
 18220.7 1614 50/425r CNW7619- MAP Rabat MROC - FF/NX (PAG-NC)  
 18303.0 0752 50/425r OLD- PTP Prague CZEK - Rys (RDG-AUST)  
 18374.0 1153 50/425n GPE3B- Reuters London ENG - EE/NX (RDG-AUST)  
 18708.5 1220 50/425n INDO EMB Paramaribo SURI - msg to Jakarta (AM-UK)  
 18814.0 0800 75/425r SAW73- SWED EMB Lagos NIGR- tfc to SAM (AM-UK)  
 18940.6 1250 50/425n EUL EMB Rabat MROC - coded tfc to Sofia (AM-UK)  
 19012.0 1230 50/425r BANG EMB Ankara TURK - tfc to Islamabad (RWA-FR)  
 19146.5 1650 50/425n KNY26- HUNG EMB Wash DC - c/g HCX21 (AM-UK)  
 19461.6 1540 50/425r KNY23- CZEK EMB Wash DC - relaying to Prague (AM)  
 19690.0 0005 75/850r AXW37- Canberra Metro AUST - WX (JEB-CA)

19747.1 1800 6VU79-Dakar Air SENE - 54W (RMA-IA)  
 19750.3 0551 4UA- UNO Rawalpindi PAKI- ??? (RDG-AUST) ,  
 19967.2 1040 VMA- AUST Army Melbourne - testing (AM-UK)  
 20005.6 1600 ATA Tirana ALB - FF/NY (RMA-FRAN)  
 20020.0 1723 VY7A80-AFP Berlin GDR - QRA (RMA-IA)  
 20317.1 2055 FZ63-AFP Ft.de France MART-SS/NY (PAG-NC)  
 20350.0 1820 NBA- USN Balboa PANA - RYs (PAG-NC)  
 20471.5 var CXH- Montivedeo NAVRAD - URGY- RYs (PAG) (RMA-PF)  
 20518.5 1230 LOI- Buenos Aires NAVRAD ARGN- clg ZRH (AM-UK)  
 20623.2 1112 IRI- BMB Messco USSR- msgs to Delhi (AM-UK)  
 20803.1 1115 CLP23- EMBACUBA Addis Ababa ETHO-tfc Havana (AM)  
 20898.0 1605 6C2- CZEK EMB Lagos NIGR- msgs to Prague (AM-UK)  
 22778.2 1000 GHI- Jamestown Metro STHL- WX (RMA-FRAN)  
 22914.8 1615 FTW91-DIPELO Paris FRAN - SS/NY (PAG-NC)  
 23505.8 1607 SAM71- SWED EMB Dar-es-Salaam -tfe SAM (AM-UK)

\*\*\* VLF / LW / MW \*\*\*  
 18.5 C 2320 DHO38- Flensburg FRG - CW ID after FIFTY xmsn (DLM-CT)  
 24.0 C 1530 MAA- USN Cutler ME - MSK xmsn (DLM-CT)  
 83.8 C 2007 FTA82- URSI St. Assise FRAN- QSB b/c //10775 (IK-UK)  
 224.0 C 0432 BH- Birmingham Muni AL - voice WX (TWL-AL)  
 236.0 C 0445 GNI- Grand Isle LA - voice WX (BG-MD)  
 516.0 C 0440 YWA- Petawawa CAN - NDB (BC-MD)  
 544.5 C 1447 EVK- Evreux/Feuville FRAN - NDB (PAG-UK)  
 1613.0 C 0820 RAB- Rabinal GUAT - NDB (SN-TX)  
 1621.2 C 0818 UDT- unknown NDB (SN-TX)  
 1637.0 C 0819 KA83736- QTH ?? NDB (SN-TX)  
 1637.0 C 0657 KA80084 - QTH ?? NDB (SN-TX)  
 1637.6 C 0652 D381- unknown NDB (SN-TX)  
 1752.0 C 0825 KQ87 - unknown NDB (SN-TX)  
 1801.0 C 0855 ZL10 - unknown NDB (SN-TX)  
 1805.0 C 0857 EV22- unknown NDB (SN-TX)  
 1850.0 C 0725 JU37 - unknown NDB (SN-TX)  
 1875.0 C 0934 VG23- unknown NDB (SN-TX)

\*\*\* QSLs \*\*\*  
 ANGO: DJE81- Luanda MARCO - Ltr 40d 2 IRCS - 22330.5 kHz (AJD-NJ)  
 PRG.: BPM- SFTS Lintong, Shaanxi - Card 1104 XRP- 10000 kHz (ES-MA)  
 FRG.: DAJ- Norddeich MARCO \* NO VERRI Ltr \* (RMS-NY)  
 FALK: VFO24- C&W Port Stanley - Ltr 46d 4 IRCS - (MLH-FL)  
 FRAN: FFL3- St. Ilys MARCO - Ltr 35d IRC - 6421.5 kHz (AJD-NJ)  
 PORT: GUL22- Lisbon MARCO - Ltr 42d 2 IRCS - 16959.2 kHz (AJD-NJ)  
 P.R.: NWR26- CGAS Borinquen - PFC/Ltr 09d MS - 5692 kHz (RMS-NY)  
 SENE: 6MW- Dakar NAVRAD - Ltr 33d 2 IRCS - 13410 kHz (AJD-NJ)  
 USA.: NNM- CG Portsmouth VA - Card 44d MS - 8765.4 kHz (ES-MA)  
 NMK- CG Cape May NJ- Ltr 38d MS - 2670 kHz (ES-MA)

JBQ36- PTP Tokyo - DB mkr (SAC-AUST)  
 JDB- Nagasaki MARCO - CQ/QSX mkr (BFS-CA)  
 JDC- Choshi MARCO - CQ mkr (GLB-FL)  
 JMC6- Tokyo Metro - WX (RDG-AUST)  
 JOR- Nagasaki MARCO - CQ mkr (BRN-NM) (DB-AF)  
 JCI- Choshi MARCO - CQ/QSX mkr (BFS-CA) (GLB-FL)  
 JMA- Tokyo NAVRAD - V mkr (GLB-FL)  
 JOR- Nagasaki MARCO - CQ/QSX mkr (BFS-CA)  
 JCI- Choshi MARCO - CQ mkr (GLB-FL)  
 JWC- Kamenzu MARCO - WX (RMA-FRAN)  
 HMS79- PTP Pyongyang - CQ mkr (GLB-FL)  
 JCK- Naha MARCO - CQ mkr (RDG-AUST)  
 J22 Manila Aero wkg Honolulu Aero (JCH-MD)  
 D31- Manila (Bulacan) MARCO- CQ mkr (HIM-WV)  
 DZL- Manila (Bulacan) MARCO- CQ mkr (BFS-CA)  
 AIG2- Clark AFB - Skyking b/c (BFS-CA)  
 9VG59- Singapore MARCO - CQ mkr (CS-MO)  
 9V16- Singapore MARCO - CQ mkr (BFS-CA)  
 U 1237 Singapore Aero wkg SPEDBIRD 926 (JGH-MD)  
 C 0055 XSK- Keelung MARCO - CQ mkr (JEB-CA)  
 C 0058 XSW- Kaohsiung MARCO- CQ/QSX mkr (BFS-CA)  
 U 1204 Bangkok Aero wkg MAC 00452 (JGH-MD)

\*\*\*\* PACIFIC OCEAN \*\*\*\*  
 Sydney VOLMET (JMN-CA)  
 VHP- Canberra NAVRAD - CQ/MC mkr (RRH-WA)  
 VIS26- Sydney MARCO - V mkr (BPA-CA)  
 8710.6 C 0745 VIS67- Sydney MARCO - CQ/MC mkr (RRH-WA)  
 U 1401 AXI- RAAF Darwin wkg RAAF Sydney (JDM-MN)  
 C 2284 VIP4- Perth MARCO - cyclone warning (SAC-AUST)  
 C 2337 VIP4- Perth MARCO - V mkr (GLB-FL)  
 C 2043 VIT- Townsville MARCO - V ??? (MLH-OH)  
 C var. VTS42- Sydney MARCO - V mkr (BFS-CA) (GLB-FL)  
 U 1403 NRW7- Yap Loran wkg Yokota Monitor (MTC-AZ)  
 U var. Nandi Aero wkg GLIPPER 821/UNITED 133 (CG-DE) (BPS)  
 U 0616 Nandi Aero wkg Polynesian ??? (NAP-AL)  
 U var. Nandi Aero wkg MAC 70023/QUANTAS 94(CG-DE) (JGH-MD)  
 C var. FUM- FF NAVRAD Papette - V mkr (RDG-AUST) (CS-MO)  
 C 0535 FUM- FF NAVRAD Papette - V mkr (BRN-NM)  
 U 1343 NRV- CG Guam - pacific WX (NAP-AL)  
 C 1408 NRV- CG Guam - WX (SN-TX)  
 U 1621 Honolulu VOLMET (SM-JPAN)  
 U 1330 NMO- CG Honolulu wkg CGC TAMPA (ES-MA)  
 U 0549 NMO- CG Honolulu - high seas WX (MLH-OH)  
 U var. Honolulu Aero wkg NORTHWEST 16/GLIPPER 6(JCH)(CC)

JPAN: 16231.0 C 2355 JBQ36- PTP Tokyo - DB mkr (SAC-AUST)  
 16877.5 C 0103 JDB- Nagasaki MARCO - CQ/QSX mkr (BFS-CA)  
 17000 C 2341 JDC- Choshi MARCO - CQ mkr (GLB-FL)  
 17029 C 0320 JMC6- Tokyo Metro - WX (RDG-AUST)  
 17093 C var. JOR- Nagasaki MARCO - CQ mkr (BRN-NM) (DB-AF)  
 22386 C var. JCI- Choshi MARCO - CQ/QSX mkr (BFS-CA) (GLB-FL)  
 22399 C 2320 JMA- Tokyo NAVRAD - V mkr (GLB-FL)  
 22409 C 2326 JOR- Nagasaki MARCO - CQ/QSX mkr (BFS-CA)  
 22464 C 2328 JCI- Choshi MARCO - CQ mkr (GLB-FL)  
 8698 C 1800 JWC- Kamenzu MARCO - WX (RMA-FRAN)  
 6556 U 1716 HMS79- PTP Pyongyang - CQ mkr (GLB-FL)  
 6470 C 1228 JCK- Naha MARCO - CQ mkr (RDG-AUST)  
 6532 U 1232 J22 Manila Aero wkg Honolulu Aero (JCH-MD)  
 8370 C 1345 D31- Manila (Bulacan) MARCO- CQ mkr (HIM-WV)  
 8604.2 C 1737 DZL- Manila (Bulacan) MARCO- CQ mkr (BFS-CA)  
 11176 U 1754 AIG2- Clark AFB - Skyking b/c (BFS-CA)  
 6340.5 C 1101 9VG59- Singapore MARCO - CQ mkr (CS-MO)  
 8709 C 1711 9V16- Singapore MARCO - CQ mkr (BFS-CA)  
 8942 U 1237 Singapore Aero wkg SPEDBIRD 926 (JGH-MD)  
 17011 C 0055 XSK- Keelung MARCO - CQ mkr (JEB-CA)  
 22336a C 0058 XSW- Kaohsiung MARCO- CQ/QSX mkr (BFS-CA)  
 8942 U 1204 Bangkok Aero wkg MAC 00452 (JGH-MD)

AUST: 6680 U 0525 Sydney VOLMET (JMN-CA)  
 8478 C 0720 VHP- Canberra NAVRAD - CQ/MC mkr (RRH-WA)  
 8521 C 0631 VIS26- Sydney MARCO - V mkr (BPA-CA)  
 8710.6 C 0745 VIS67- Sydney MARCO - CQ/MC mkr (RRH-WA)  
 8975 U 1401 AXI- RAAF Darwin wkg RAAF Sydney (JDM-MN)  
 12994 C 2284 VIP4- Perth MARCO - cyclone warning (SAC-AUST)  
 12995 C 2337 VIP4- Perth MARCO - V mkr (GLB-FL)  
 16830.5 C 2043 VIT- Townsville MARCO - V ??? (MLH-OH)  
 22474 C var. VTS42- Sydney MARCO - V mkr (BFS-CA) (GLB-FL)  
 3786.1 U 1403 NRW7- Yap Loran wkg Yokota Monitor (MTC-AZ)  
 5643 U var. Nandi Aero wkg GLIPPER 821/UNITED 133 (CG-DE) (BPS)  
 8846 U 0616 Nandi Aero wkg Polynesian ??? (NAP-AL)  
 8867 U var. Nandi Aero wkg MAC 70023/QUANTAS 94(CG-DE) (JGH-MD)  
 6462 C var. FUM- FF NAVRAD Papette - V mkr (RDG-AUST) (CS-MO)  
 8625 C 0535 FUM- FF NAVRAD Papette - V mkr (BRN-NM)  
 6506.4 U 1343 NRV- CG Guam - pacific WX (NAP-AL)  
 10440 C 1408 NRV- CG Guam - WX (SN-TX)  
 2863 U 1621 Honolulu VOLMET (SM-JPAN)  
 6506.4 U 1330 NMO- CG Honolulu wkg CGC TAMPA (ES-MA)  
 6506.4 U 0549 NMO- CG Honolulu - high seas WX (MLH-OH)  
 6532 U var. Honolulu Aero wkg NORTHWEST 16/GLIPPER 6(JCH)(CC)

6679 U var. Honolulu VOLMET (NAP-AL) (JMN-CA) (MWS-IA)  
 8828 U 0700 Honolulu VOLMET (NAP-AL)  
 8867 U var. Honolulu Aero wkg SOUTH PACIFIC 701/810 (JGH-WD)  
 8903 U 1928 Honolulu Aero wkg CONTINENTAL 562 (CG-DB)  
 12883 U 0232 Honolulu VOLMET (GLB-FL)  
 EPRM: 9950 U 0535 ZM63-Raoul Island c/g ZLX55 Wellington (RMS-NY)  
 MARC: 3786.1 U 1355 NRV6-Marcus Loran wkg CG Guam (MTC-AZ)  
 NCAL: 8646 C 0734 FUJ-FF NAVRAD Noumea - V mkr (BPS-CA)  
 16958 C 1908 FUJ-FF NAVRAD Noumea - V mkr (PAP-CA)  
 22461 C 0133 FUJ-FF NAVRAD Noumea - V mkr (BPS-CA)  
 NZBL: 6679 U var. Auckland VOLMET (MWS-IA) (JMN-CA)  
 8828 U 0653 Auckland VOLMET (NAP-AL)  
 8867 U 0541 Auckland Aero wkg CONTINENTAL 2 (JGH-WD)  
 PNG.: 13042 C 1935 P1R-QTH??? - CQ/QSX mkr (BLJ-TX)  
 VOLC: 3786.1 U 1417 NRT3-Iwo Jima Loran wkg CG Guam (MTC-AZ)

\*\*\*\* ANTARCTICA \*\*\*\*  
 8997 U 0600 NFX-South Pole wkg Mac Center (NAP-AL)  
 13974 U 0154 NNNVGE-MARS McMurdo -p/p t/c (CG-DE)

\*\*\*\* SHIPS \*\*\*\*  
 VXEZ- TRINITY BAY wkg Halifax CGR. (LSD-NJ)  
 2622 U 1041 UTC LIBERTY wkg Cape Radio - SSSup (LSD-NJ)  
 4063 U 1240 m/v SOUTHERN p/p via WGM (NAP-AL)  
 4125 U 0729 WDM-NOAA MILLER FREEMAN wkg CG Kodiak (BPS-CA)  
 4131.3 U 0611 LITA-NORWAY p/p via WOM (RWP-TX)  
 5692 U 2122 NQSF-CCG VIGOROUS wkg CG Cape May NJ (RMS-NY)  
 5696 U ---- NBRM-CCG POINT MONROE c/g CG 1426 (LSD-NJ)  
 6200.0 U 0100 NHIA-CCG ACUSHNET wkg CG Portsmouth (LSD-NJ)  
 6200 U 0156 NHIO-CCG VICILANT c/g CG Boston (LSD-NJ)  
 6200 U 2318 NODS-CCG SALVIA wkg CG New Orleans (RMS-NY)  
 6200 U 0100 NBVG-CCG UNIMAK wkg CG Boston (MLH-OH)  
 6506.4 U 0547 NMLK-CCG WESTWIND - wkg CG Portsmouth (MLH-C4)  
 6506.4 U 2341 NHIO-CCG VICILANT wkg CG Boston (MLH-OH)  
 6506.4 U 0505 NRXD-CCG EVERGREEN wkg CG Miami (MLH-OH)  
 6506.4 U 0430 NIKL-CCG TAMPA wkg CG San Francisco (NAP-AL)  
 7391.5 U 0222 NNNWOC-CCG SACRAMENTO p/p via NNNWJMS (MTC-AZ)  
 8241.5 U 0306 NMLK-CCG WESTWIND wkg CG New Orleans (RMS-NY)  
 8294.2 U 2024 KHRK-SEALAND VOYAGER c/g WRF Elizabeth City (RMS-NY)  
 8420 C 0410 NOKK-CCG DEPENDABLE wkg CG Portsmouth (LSD-NJ)  
 8722 U 0220 GBCP-PACIFIC PRINCESS p/p via WOM (TP-KY)  
 8753 U 1955 WTER-NOAA RESEARCHER wkg KVK Miami (RMS-NY)  
 8984 U 1218 NEX1-CCG UTE wkg CG 1703 (LSD-NJ)  
 12430 U 1413 m/v CONCORD PACIFIC wkg KFN463 (GLB-FL)  
 14470 U 2007 NNNWNN-ONSS YOSEMITE p/p via NNNWNU (LJC-WV)  
 16466.2 U 1858 m/v JACKSONVILLE p/p via RVI (BPS-CA)  
 16506.5 S 2015 m/v NEW AMSTERDAM wkg San Francisco (AJD-NJ)

USA.: NMK-CC Cape May NJ- PFC 21d MS - 6506.4 kHz (RMS-NY)  
 KPH- San Francisco MARCO CA- Ltr 17d MS- 6477 kHz (MLH-OH)  
 WCC- Chatham MARCO MA - Ltr 14d MS - 8629 kHz (MLH-OH)

## SHIPS:

KLBEZ- OVERSEAS ARCTIC- PFC 47d MS- 22124 kHz (LM-CA)  
 WFLM- NOAA WHITING - PFC/Ltr 35d MS - 6200 kHz (RMS-NY)  
 NLKJ- CGC WESTWIND- PFC 91d MS - 6200 kHz (RMS-NY)  
 NRDB- CGC BIBB - PFC 22d MS - 6212.4 kHz (RMS-NY)  
 WHML- EXXON BOSTON - PFC/Ltr/Fices- 16d MS - 16587.1 kHz (RMS-NY)  
 LKNV- CGC TAU- Ltr/Pic 51d XRP - 16520 kHz (HH-WD)  
 ZCKX- ORIENTAL AMBASSADOR- PFC/Pic 119d IRC- 8365 kHz (HH-WD)  
 GSPA- CLERK MAXWELL- Ltr 87d XRP- 8370 kHz (HH-WD)  
 VRPE- PRODUCT SPLENDOR- Ltr 99d IRC - 16720 kHz (HH-WD)  
 LFGZ- VINCIATA - Ltr 42d IRC - 8363.6 kHz (HH-WD)  
 WND- OVERSEAS JUNEAU- PFC/Gard 41d MS - 8362.8 kHz (HH-WD)  
 SLVQ- WORLD ATLAS - PFC 86d IRC - 8363 kHz (HH-WD)  
 KSLJ- SEALAND ADVENTURER - Ltr 25d MS - 8362 kHz (HH-WD)  
 OXYR- ESSO ELSINORE - Ltr/Pic 20d XRP - 12350 kHz (HH-WD)

## LW:

DF- Deer Lake Airport NFLD CAN- PFC 21d MS - 350 kHz (HH-WD)  
 AFP-Anson City Airport Wadesboro NC- PFC 28d MS- 283 kHz (HH-WD)  
 OGY-IFSS New York (Ronkonkoma) PFC 29d MS - 414 kHz (HH-WD)  
 XZ- Wallowale ONT CAN - PFC 17d MS - 205 kHz (HH-WD)  
 JJO-Johnson City Airport, Mountain City TN- PFC 21d MS-396 kHz (HH-WD)

\*\*\*\* We had 64 utility contributors this issue. You all are:

(RMA-PRAN) ROGER AKED	(BLJ-TX)	BRIAN JONES
(BLA-PA)	(IK-UK)	IAN KFRP
(RMA-IA)	(JK-FRC)	JOERG KLINGENFUSS
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(JEB-CA)	(MDL-ME)	MIKE LEONARD
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(GLB-FL)	(TL-II)	TOM LORENZ
(DB-AR)	(LM-CA)	LOIS MGLAIN
(CC-DE)	(SN-JPAN)	SATOSHI MIYAUCHI
(PCO-RI)	(AM-UK)	ALEX MOORE
(MTC-AZ)	(TW-NC)	TODD MORGAN
(LJC-WV)	(SN-TX)	SAM NEAL
(MDC-NY)	(ERN-NM)	EVAN NEWLON
(BC-MD)	(JMN-CA)	J. MICHAEL NOWICKI
(PAC-OK)	(NAP-AL)	NEAL PERDUE
(SAC-AUST)	(RWP-TX)	ROGER PETTINGILL
(LSD-NJ)	(MP-NY)	MORRIS PFEFFER



\*\*\*\*\* AIRCRAFT \*\*\*\*\*

4675.0 U var. TRANS WORLD 840/KLM 678 wkg Shanwick (CC-DE)  
 5547 U var. WORLD 32/UNITED 06/120 wkg San Francisco (JDM-WMN)  
 5575 U 0810 AMERICAN 8 wkg San Francisco (JMN-CA)  
 5598 U 0611 NIGERIAN 850 wkg Santa Maria (BFS-CA)  
 5598 U var. AIR FRANCE 320/AVIANCA 10/IBERIA 945 wkg NY(NAF)(BFS)  
 5616 U var. AEROPLOT 331/345 wkg New York (BFS-CA)  
 5616 U var. CUBANA 470/440 wkg New York (BFS-CA)  
 5628 U var. UNITED 150/JAPAN AIR 35 wkg Anchorage (JDM-WMN)  
 5628 U var. CATHAY 820/JAPAN AIR 62 wkg Anchorage (JDM-WMN)  
 5628 U var. NORTHWEST 20/KOREAN 50 wkg Tokyo (CS-MO)(BFS-CA)  
 5628 U var. THAI AIR 740/PHILIPPINE 100 wkg Anchorage (BFS-CA)  
 5643 U var. PACIFIC 552/QUANTAS 12 wkg Honolulu (JDM-WMN)  
 5643 U var. AIR PACIFIC 551/CONTINENTAL 2 wkg Nandi (BFS-CA)  
 5658 U var. SPEEDBIRD 20/KUWAITI 321 wkg Bombay (CC-DE)(JCH-WD)  
 5683 U 1301 SINGAPORE 10 wkg Anchorage (JDM-WMN)  
 5696 U 2114 CG 1471(on deck USS Virginia) wkg NNN (MWS-IA)  
 5696 U var. CG 2119(CG2131 wkg CG Portsmouth (NAP-AL)(BCW-VA)  
 6532 U var. NORTHWEST 2/DYNASTY 006 wkg Honolulu (CC-DE)  
 6577 U 0005 CUBANA 492 clg Belas Aero (NAP-AL)  
 6577 U var. CUBANA 476/DANTIC 46 wkg New York (NAP-AL)(CC-DE)  
 6750 U 0849 MAC 38080 wkg MacDill AFB (BLA-PA)  
 8825 U 1308 AIR FRANCE 004 wkg Garner (JDM-WMN)  
 8861 U 0509 LUFTHANSA 508 wkg Recife (CC-DE)  
 8861 U 2155 UTA 829 wkg Nouadhibou Aero (CC-DF)  
 8861 U 0527 SCANDAVIAN 955 wkg Dakar (CC-DE)  
 8891 U 2148 AIR CANADA 849 wkg Frobisher Bay Aero (CC-DE)  
 8891 U var. CLIPPER 107/LUFTHANSA 460 wkg Gander (JDM-WMN)  
 8903 U var. MAC 50234/30002 wkg Honolulu (JDM-WMN)  
 8933 U 2334 SPRINGBOK CHARTER 2160 wkg Johannesburg LDOC (CC-DE)  
 8984 U 0253 CG 2111 wkg CG Miami (JDM-WMN)  
 8989 U 1638 MAC 70024 p/p DISCARD via McCallan AFB (JDM-WMN)  
 8993 U 2241 CG 1702 p/p via Albrook AB (CC-DE)  
 10048 U 0251 JAPAN AIR 11 wkg Anchorage (BFS-CA)  
 11176 U 2106 CG 1453 p/p Howard RCC via Albrook (CC-DE)  
 11300 U 2115 ZIMBABWE 531 wkg Entebbe Aero (JDM-WMN)  
 11300 U 2125 KLM 454 wkg Nairobi (JDM-WMN)  
 11300 U ---- SEYCHELLES 101 wkg Addis and Mogodistu (CC-DE)  
 11342 U var. CLIPPER 205/221 wkg New York LDOC (CC-DE)  
 11396 U 1641 GARUDA 870 wkg Bali Aero (BFS-CA)  
 11396 U 0904 QUANTAS 1 wkg Perth Aero (BFS-CA)  
 11396 U 1734 GARUDA 872 wkg Manila Aero (BFS-CA)  
 13306 U var. IBERIA 955/MAC 70019 wkg New York (JDM-WMN)  
 15015 U 2009 CG 1501 wkg Albrook AB (CC-DE)  
 15022 U 1800 SAUDI 01 wkg Jeddah LDOC (LSD-NJ)

(AJD-NJ) JOE DEINET  
 (RPD-NU) RICHARD DURAN  
 (TF-KY) TED FLEISCHAKER  
 (RDG-AUST) ROGER GAMMON  
 (PAG-NC) PAUL GILSTER  
 (FC-NY) FERNANDO GONZALEZ  
 (MLH-OH) MIKE HARRIS  
 (JCH-WD) JIM HARTUNG  
 (DRH-PA) DONALD HEIN  
 (WH-NY) VINCENT HEVERN  
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 (JLH-FL) JOE HOLLIDAY  
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 (HDT-WV) HAROLD TATE  
 (PAT-CA) PEGGY THOMPSON  
 (FAV-CA) FRED VALENTINE  
 (JDM-MN) JOHN WILLIAMS  
 (LW-CT) DAVE WILSON  
 (BCW-VA) BERNIE WIMMERS

\*\*\* TNX to those of you who indicated your age and occupation. I'll hold off on the results until I have more column space. For those of you who haven't, how about joining in on my ute survey?? Will only use age and occupation data - no specific name tie ins.....

\*\*\*\* QSL buffs: Can you please include the full mailing address on your data entry? (on the back or whatever) This allows me to update mailing address data, for input into the SRGU.

\*\*\* Number buffs: as noted, the revised presentation is running into problems, just like the other formats. The simplified interim format will be utilized, until some thing better can be worked up.

\*\*\*\* Data inputs: If you're logging CW markers, ID the type of marker. If comms is two-way, ID the other station.

\*\*\*\* SPEEDXGRAM: Subscriptions have dwindled to the point, that termination is very possible. Opening up the GRAM to include utilities, is an effort to increase its sagging interest. So why not check it out with Bob Bodeli????

\*\*\*\* Space Shuttle: The Shuttle has NO HF capability. All comms you do hear, are a relay, usually via Mission Control Houston.....

MTC

**CONTRIBUTORS LIST**

MARCH 1984

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

TOTAL CONTRIBUTORS: 173

4	ABBOTT, STEVE	IL R600	3	LINDLEY, TERRY	AL
1	ADAMS, ROBERT	MA R2000	3	LORD, EARLE	CA FRG7700
1	AKED, ROGER	FR NRDS15	1	LORENZ, THOMAS	IL FRG7700
3	ALEXANDER, BRIAN	PA FRG7700	1	LUCAS, RICHARD	CA R1000
1	ALEXANDER, RODNEY	IA IC-R70	4	MACGIBBON, BRUCE	OR R1000
1	ARNOLD, ALBERT	VA	2	MAHONEY, MICHAEL	FL SPR4
1	BARRY, JOE	CA	5	MANDERSCHIED, MIKE	CA ICF2001
1	BELGHAUS, FRED	NJ	1	MARBLE, TIMM	CA
6	BERRI, JASON	CA RF2900	1	MATHEW, ABBIE	MA FRG7700
4	BINGHAM, FRANK	MA R7000	4	MAY, RONALD	OH IC-R70
4	BIRON, BERNARD	NH ICF2001	4	MENDEZ, LUIS	NJ R1000
1	BLAISDELL, RICHARD	VT	5	MIYAUCHI, SATOSHI	JP TS-430V
4	BLANCHETTE, MARION	FL DX100	1	MOMAN, DON	AL
5	BLEDSE, GARY	FL DX302	1	MOORE, ALEX	UK
1	BRENESAL, BARRY	FL	7	MOORE, MICHAEL	TX DX302
4	BREWER, DONALD	AR R1000	1	MOOSE, DAVID	VA
1	BROCK, ROBERT	WI	3	MORGAN, STEWART	NC IC-R70
3	CACERES, MARCOS	NY M7700K	1	MURFF, NATHAN	NM
1	CAMPBELL, CORNELIA	DE NRDS15	2	MUZYKA, WILLIAM	NY RF4900
9	CARD, PETER	RI NRDS05	1	MCCANTS, DONALD	AL RF2200
1	CARLSON, VIRGIL	WA	4	MCDOWELL, JOHN	IL ICF2001
1	CEREGHIN, JOHN	MD	5	MCKEON, THOMAS	IN R1000
1	CHABAK, MIKE	AZ	2	MCLAIN, LOIS	CA
11	CHICKERELL, LARRY	WV DX400	1	NEAL, SAM	TX RBC5
1	CHINSKY, MARK	NY RF2600	1	NEWLON, EVAN	NM
4	CHITUCK, BRUCE	MD	5	NOWICKI, MICHAEL	CA R392
6	CLAYTOR, DAVID	OH R1000	1	OLSON, CARL	MD
1	CLEVELEY, RUSSELL	NY	6	PALMER, BOB	WA IC-R70
1	CONSTANINIDES, COSTA	SA	4	PARKS, WILLIAM	FL HRO60
1	CONWAY, PETER	UK 51J-4	1	PERDUE, NEAL	AL
1	COSTIN, STEVE	AU	1	PETERSON, ERIC	OR
4	COX, JIM	CA R600	1	PETTENGILL, ROGER	ME NRDS15
3	CUCURA, VLADIMIR	PA	6	PFEFFER, MORRIS	NY RF2200
2	CUNNINGHAM, LARRY	OH	4	PRATH, JOHN	FL FRG7000
5	D'ANGELO, RICHARD	PA NC190	1	PROVANCE, TERRY	OH
1	DANKO, LARRY	NJ IC-R70	1	RADTKE, CARL	CA SPR4
1	DEINET, A.J.	NJ NRDS15	2	RAHN, STEVE	IL
1	DEMITT, JOHN	PA HOMEBREW	1	RANKIN, ROBERT	KS R7/DR7
3	DILLAMAN, JOHN	OH	1	RICKETTS, RONALD	TX
4	DILLON, PETER	PA ZENITH T	1	ROBERTSON, DAVID	WA
3	DRAYE, HANI	SA	6	ROBICHAUD, IVAN	NB R1000
3	DUNCAN, GREGORY	NC	4	ROBINSON, BETSY	TN ICF2001
1	DURAN, RICHARD	NJ	1	ROCHA, CRAIG	CA
2	FALBO, ANTHONY	OR	1	ROMERO, ROBERTO	ID
3	FAMULARO, RALPH	NJ RF2800	3	SABLE, THOMAS	NY TS-430S
5	FISHER, ALLEN	NM	2	SAMS, MITCH	KS
4	FISHER, MIKE	WI	3	SCHEEL, MICHAEL	IA ICF2001
1	FLANNAGAN, MELVIN	VA	2	SCHLESINGER, MARK	TX
3	FLEISCHAKER, TED	KY ICF2001	2	SCHMAUTZ, SCOTT	NY
4	FRASER, BOB	MA XCR-30	1	SEYMOUR, WOODY	NC
1	GAMMON, ROGER	AU	1	SHARP, DAVID	FL
1	GIBSON, MARJORIE	CA R600	1	SHARPE, BRYAN	CA DX302
1	GILSTER, PAUL	NC ICF2001	5	SHEEDY, DANIEL	CA
4	GONZALES, FERNANDO	NY	2	SHIMADA, SENSU	JP FRG7700
5	GRAY, J. SPEED	MI NRDS15	1	SHOCKLEY, MIKE	OK
1	GREENBAUER, DANIEL	AZ RF2800	1	SHRYOCK, CHARLES	MO FRG7700
1	GRUSSLING, RODNEY	KS	3	SMALLWOOD, JAMES	FG RF4900
1	HALL, TIM	CA	1	SMITH, TRAVER	CA NRDS05
1	HANEY, LUTHER	TX	1	SMITH, WOODSON	TN
2	HARRIS, MICHAEL	OH	7	SOOMRE, EDWARD	MA
1	HARTUNG, JAMES	MD R7/DR7	1	STEIN, RICKY	NJ FRG7700
1	HEIN, DONALD	PA	4	STEPHENSON, NORMAN	CA IC-R70
9	HENAU, JOHN	MA RF3100	1	STINER, ROLAND	NY FRG7000
8	HESCH, RUTH	NY R1000	1	STONE, WILFRED	ON

2	HEVERN, VINCENT	NY	ICF2001	1	STREETER, ROBERT	NY
1	HITSMAN, KATE	IA		2	SWINN, ROBERT	CA FRG7700
1	HOLBROOK, HANK	MD	HQ129	3	TALBOT, JOE	AB R1000
1	HOLLIDAY, JOSEPH	FL		3	TATE, HAROLD	WV
3	HOTALING, STAN	NV	RF2800	6	THOMPSON, PEGGY	CA
2	HUFFAKER, CARL	MX		3	THUNBERG, BOB	PA SSR1
5	HULL, DICK	WA		5	TILLEY, DOUGLAS	CO FRG7700
2	JOHNSON, DON	CA		4	TIMOFEEV, ALEXANDER	FG ICF2001
1	JOHNSON, FRED	IL	RF2200	1	UERLINGS, JIM	OR
3	JOHNSON, MARK	ID	DX302	3	ULMER, DOUG	LA R1000
2	JONES, BRIAN	TX	IC-R70	5	VALENTINE, F.A.	CA IC-R70
2	JONES, JACK	MS		1	VAN HORN, GAYLE	TX RF3100
1	KERR, IAN	UK		3	WEIKEL, FRANK	MI S-38E
1	KLINGENFUSS, JOERG	FG	NRD515	1	WILCZEK, BOB	IL DX160
5	KLOSOWSKI, LORI	FL		1	WILKNER, ROBERT	FL
5	KRIST, KRAIG	VA		1	WILLIAMS, JOHN	MN
3	KUSALIK, EDWARD	AB	FRG7000	1	WILSON, DAVID	CT
3	LANGLOIS, HAROLD	GA		3	WIMMERS, BERNIE	VA
1	LEACH, WARREN	OR		4	WITTE, MARJORIE	CA FRG7
1	LEARY, ROBERT	OH	FRG7700	3	WOOD, RICHARD	SA R1000
1	LEITE, STEVE	MA	IC-R70	1	YONEDA, TAKESHI	JP FRG7700
1	LEONARD, MICHAEL	ME	TS-430S	3	ZILMER, ROBERT	NM R1000
2	LIEU, ALLEN	CA				

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

THE FOLLOWING COLUMNS ARE INCLUDED FROM LAST MONTHS BULLETIN:  
 DECEMBER SPEEDX-GRAM / JANUARY SPEEDX-GR

*Well, things are beginning to look up a bit. I'd like to thank those of you who took the time to respond to our plea for volunteers in last months issue. We received numerous requests from people wanting to be editors, and might I add, a couple of people wanting to take over HQ from Don Johnson, and publishing from me! We are talking to these people right now and hopefully will be able to get the details worked out. Naturally, as these changes take place we will let you know.*

*I'm also happy to report that I'm making progress on the address label situation. About 80% of you should have updated labels now with your contributor information on them. The rest of you should be back to normal next month.*

**FOR SALE:** FRG-7 Mod. w/4 kHz ceramic+ 2.9 collins mechanical filters, AGC fast/slow, and full VLF coverage. Also comes with KRS 4 digit digital display unit. Excellent condition, includes original manual. Ready for pick-up or will ship via UPS. \$50.00. Contact first for information...Craig Rocha, 2542 Mabley St., San Diego, CA 92123, or call (no collect) 619-292-7217, from 2300 to 0400 GMT.

**FOR SALE:** MFJ-308 World Explorer II Car-Shortwave converter, w/manual 60.00. Also MFJ-1020 Indoor Active SW Antenna w/ a/c adapter, 50.00. Contact Steven Handler, 666 Dundee Rd, Suite 502, Northbrook IL 60062, or call: 1 (312) 272-5115 days.

**FOR SALE:** FRG-7 in very good condx. Original model without fine-tune control. 160.00 including UPS to continental USA. Panasonic RF-085 AM/FM/3 SW band portable radio. Exc condx, very compact. 45.00 including shipping to cont. USA. Chuch Boehnke, P.O. Box 223, Los Gatos, CA 95031.

**FOR SALE:** Kenwood R-600, 250.00. MFJ 950 antenna tuner, 30.00. MFJ 1045 preselector, 35.00. Bearcat 210XL Scanner, 150.00. Avanti 801 antenna, 30.00. Bob Hayward, CA. Phone 415-581-8226.

**WANTED:** Copy of, or original manual for Hallicrafters SX-99. George Slovinski, P.O. Box 3430, Manhattan Beach, CA 90266. 213-545-5442 eves.

**WANTED:** 24 hour clock at a reasonable price. Send specs/price to: Ted Fleischaker, 3023 Tremont Dr., Louisville, KY 40205. No calls!!

**WANTED:** Manual and/or schematics for Harvey Wells MTR-2632 Marine Radio. Jim Countermarsh, 16 Mary St., Springfield, VT 05156.

**FOR SALE:** Drake SSR-1 rcvr, vy good condx; direct freq readout, mod. for better selectivity. 130.00 includes UPS. Bob Thunberg, 814-371-7665.

**FOR SALE:** DX-300, good condx. 250.00. I pay shipping in USA. Call or write first please. Michael Burrows, 405 W. 11th St., Traverse City, MI 49684. 616-946-5753.

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# World of SWtling

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