

# SPEEDX

**SPEEDX**

the dx radio magazine  
for active shortwave listeners

FELIZ AÑO NUEVO

Bonne Année

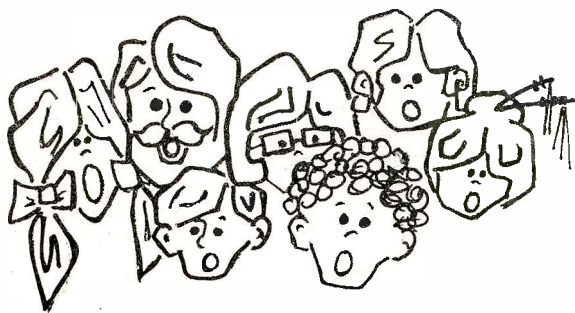
HAPPY NEW YEAR

Gott Nytt År

Buon Anno

Glückliches Neues Jahr

ONNELLISTA UUTTA VUOTTA



January 1982

Vol 12 no 1



# KEYNOTES

NEED INFO OF GENERAL INTEREST, USEFUL PUBLICATIONS, DX-ING AIDS, HOBBY HINTS, WANT ADS, AND WHERE TO SEND FOR INFO, PLUS SHORT ITEMS WHICH WON'T FIT ELSEWHERE. COLUMN DEADLINE: 12th!

*Edited by:*  
KEN EATON  
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Milwaukee, WI 53224  
U.S.A.

XXX  
H A P P Y  
XXX  
+XXX  
NEW YEAR  
XXX

HI THERE, SPEEDExers!

Trying to replace Don Johnson as KEYNOTES Editor is akin to Little David going up against Goliath with a good sling--but no stones! However, a good SWL-DXer has proven patience and we hope you'll apply it to these efforts. So put your audio earmuffs on, turn up the gain--and hang on!

FIVE EARN FULL MEMBERSHIP IN SPEEDX:

JEFFREY HAHN San Diego, CA	JAY LATKO Richmond Heights, OH	MORRIS PFEFFER Fayetteville, NY
	THOMAS SABLE Berekley, CA	JOHN WILLIAMS Bloomington, MN

Congratulations to these five SPEEDExers who have won their spurs by helping all of us by their contributions. Each now has a copy of our Constitution to study, and a handsome Certificate, "suitable for framing" and hanging on the wall of his Listening Post!

TWO DOZEN NEW ASSOCIATE MEMBERS WELCOMED:

FRANK JOHN PATRICK Endicott, NY	JIM BURG Diversnvn, IL	JAMES DOLE Jamestown, NY
MICHAEL YANUL' Chicago, IL	STEVEN ODOM Madison, WI	EDWIN MAKI Kakabeka Falls, Canada
FALA ELECTRONICS Milwaukee, WI	LARRY VAN HORN Grand Prairie, TX	RICHARD SPEER Baldwin Park, CA
DONALD MC CANTS New Orleans, LA	JOHN SIMONDS Burlington, CT	ERIC THOMPSON Leucadia, CA
JOSEPH BRETON Milford, NH	BRIAN SARKISIAN Jasper, MI	RALPH JONES Longview, WA
SCOTT KNELANGER Huntertown, IN	JOHN DAWID Manchester, MO	RONALD SMITHBERG Joliet, IL
DAVID PETERSON Puyallup, WA	JOSEPH MARCINIAK Holyoke, MA	JAMES CALDWELL JR San Antonio, TX
ERIC SWEDBERG Portland, OR	SAMMY NEAL Cleveland, TX	SETH REAMES Nishinomiya, Japan

Well, there you are, men (no distaff names this month), you've made the first page of KEYNOTES. You're on your way to Full Membership! When you report loggings or send other material to SPEEDX, you speed your way to "Full" status--and you help your fellow-members. It's a two-way street! Your items should reach the Editors by the 12th of the month. OR send them directly to our Central Distributing Editor, Peggy Thompson by the 7th of the month. Her QTH is 2706 Alabama, La Crescenta, CA 91214. Cut all loggings into strips and put your name on EACH item. Send 'em to the CDE and you can save yourself a bundle in today's Postal costs! As long-time members, we know that you'll enjoy all the SPEEDX publications and services. Just like it says on the Cover, it's "for active shortwave listeners" and the more active you are, the more fun you'll have!

#### NOTES FROM SPEEDX HQ a.k.a. 'THE POOP FROM GROUP'

Our Fearless Leader, Don Johnson, wants you all to know that SPEEDX is grateful for all the fine Christmas cards received and the many kind wishes to the staff and members. Your words of encouragement and "kudos" help keep us all going. You're a good group!

He adds--we need a couple of copies of the December 1981 SPEEDX. Our printer came up a bit short and we need copies for members renewing late or rejoining. Please send to HQ in Elsinore. Postage will be reimbursed upon request. Thanks.

#### TOO LATE TO HANG ON THE HAP-TREE

Late HAP doners add eight to the list for a total of 43 who cared enough to give. Donations now add up to a fine, fat 234 bucks! New to the Honor Roll are: John Vockeroth, Frank Terzick, Henry Ward, Russ Lay, Richard Lucas, Wesley Rogers, Carl Radey, and Marjorie Oakley. Beautiful!

#### IN UNION THERE IS USDXA

A merger has been announced of three established DX Clubs--The Southern DX Assn., The Atlantic States DX Assn., and The Assn. of Illinois DXers. The three will henceforth be known as The United States DX Association and will furnish their members with a monthly 44-page offset news bulletin - The Signal. The merger, now effective, gets off the ground with 200 members. Interested DXers may get a sample bulletin by sending 50¢ or 2 IRCs to: USDXA, P.O. Box 888653, Atlanta, GA 30338 U.S.A.

#### MORE FUN THAN BEING 'HALL MONITOR'

According to a "poop-sheet" from Radio Communications Monitoring Assn., "The RCMA is a specialized radio club for persons interested in listening to two-way communications in the VHF and UHF Public Service and Aircraft bands as a hobby." Its 72-page Newsletter covers monitoring (alphabetically) from "Aircraft" to "VHF Marine" in an interesting and informative manner. SPEEDXers hooked on that phase of our hobby can join/subscribe for \$12 in the U.S., \$13.50 in Canada and Mexico, \$14.50 in Europe, and \$15 in the South Pacific and Asia--all in U.S. funds. Mail to RCMA, P.O. Box 4563, Anaheim, CA 92803, U.S.A.

#### TROPICAL BAND-AIDES

The Ontario DX Assn. suggests that you get acquainted with the Tropical Bands via their new 8-page booklet discussing "windows", seasonal effects, and DXing Latin America, Africa or Oceania. In the U.S. or Canada, \$1.00, plus a stamp and self-addressed envelope, or \$2 U.S. or Canadian currency, or 4 IRCs, mailed to: ODXA, 3 Camrose Crescent, Scarborough, Ont., Canada M1L 2B5 will bring it to Overseas DXers. Sounds like it's a "goodie":

#### IT'S NOT GREEK TO THEM!

The Greek DX Club offers its brief Frequency List to non-members. A sample copy is air-mailed to you for 3 IRCs. Write to: Alexander Koutamanis, (Frequency List), Pytheos 9 (Parados Raktivan), THESSALONIKI, Greece.

#### 'HAPPY NEW YEAR' FROM WEST GERMANY-- AND MORE!

In addition to Seasonal Greetings, the German "Shortwave Press Assn." is offering a 20-page "German DX-magazines" for 4 IRCs, a 64-page "Mass Communication in Iran" for 8 IRCs, and a 68-page "Radio Tirana" for 9 IRCs. Write to: Shortwave Press Service, Kurzwellen-Pressdienst, Weender Strasse 30, Göttingen 1, FRG.

#### JAPANESE LAUNCH DX-NEWS FILE

The Japanese Assn. of DXers is cooperating with other like groups in the area in the publication of Japanese DX-News File. The editor of each club or circle sends the news to JADX which compiles the material. Sounds like a good idea. Cooperation always is!

#### RADIO PEKING AIRS 'HANDICAPPED' COMMENT

SPEEDXer Leslie Byron, Laurelton, NY recently monitored and taped a program from Radio Peking describing programs of the People's Republic for the benefit of the handicapped-disabled through work, housing, school and subsidies. Leslie will loan his cassette, upon request, for free! He adds that Shanghai publishes a monthly magazine for the blind. Peking organized a Grand Sport Meet with about 50 of the handicapped participating. All this to commemorate The International Year of the Disabled.

## INBOUND MAIL

SPEEDX Awards Chairman Jack Jones has been sprung from the hospital and "feels like a million bucks". He thanks all the SPEEDXers who sent him cards and reports he's up-to-date on Awards.

SPEEDXer Mike Hardester writes that the prizes he won from R. Korea (see Oct. '81 issue) included a medallion, cassette of Korean folksongs, a book on Korean dolls, and a once-beautiful hand-made jewelry box (thoroughly KO'd by the postal services practicing up for the Holidays).

## OUTBOUND MAIL (PENPALS WANTED)

Phillip Moody, 59 Payson St., Portland, ME 04102, seeks mail from members using the TRS-80, Model I, in the hobby.

John Seay, 20 Fig St., Fairhope, AL 36532 promises to answer all letters from other Jewish SWLs, from anywhere.

According to Larry Cohen, two 17-year-old Malaysian girls would like to pen-pal with North Americans their age, in English or Malay. Write to Rahna Ahmad, No. 86, D.I.D. Quaters, Tanah Merah, or Sabirah Ghazali, Kampong Carok Kudung--both at Pendang, Kedah, West Malaysia. Say you got their names from Larry's Radio Club.

## HOW ABOUT SSB FROM HCJB?

HCJB is considering working the upper sideband on 21480 kHz, 13 Meter band. They want to know if your receiver can handle the SSB mode, and what bands or frequencies does it cover. Help them (and yourself) by answering to: J. H. Kinard HClKH, Engineering Dept., Radio Station HCJB, Casilla 691, Quito, Ecuador. Enough right answers and we'll get those SSB bcsts.

## 'KEEP IN TOUCH' T-SHIRTS AVAILABLE

Radio Sweden has sold more than 15,000 of its popular T-shirts. If you want one, they come in sizes from X-small to XX-large (all sizes run just a little small). Price is US\$ 6.00, SEK 30., DEM 15., or GBP 3.00. Send order to: Radio Sweden International, S-105 10 Stockholm, Sweden.

## RADIO NEDERLAND OFFERS MANY FREE 'GOODIES'

In conjunction with its "Media Network", R. Nederland continues to offer valuable publications for-free. Latest received are a "Receiver Shopping List" with "best buy" suggestions, 2nd edition of its "DXing Indonesia", and "Medium Wave What Now?" including detailed instructions for building a Medium Wave Loop. Ask for them from: Jonathan Marks, English Section, Radib Nederland, P.O. Box 222, 1200JG Hilversum, Holland.

## NEW GROVE CATALOG AVAILABLE

The 1982 Communications Monitoring Accessories catalog from Grove Enterprises, Inc., Brasstown, NC 28902, presents nifty equipment for SWLs and monitors. Address your request for this "freebie" to "Dept. C-2".

## DXers GET EDGE WITH 'DX EDGE'

More than a gadget, The DX Edge quickly indicates day/night areas around the world. About 12" by 5", the carrier displays a double map of the world. There are transparent inserts for each month showing the Gray Line and areas of light and dark. This king-sized slide-rule gives you fast answers. \$14.95 in N.A. Add \$2.00 surface or \$6.00 air for overseas. Order from: The DX Edge, P.O. Box 834, Madison Square Station, New York, NY 10159, U.S.A. Sounds great--especially to a lazy Editor!

## NO COLLECT CALLS!      SELL \$\$ SEEK \$\$ SWAP      NO COLLECT CALLS!

FOR SALE: Barlow Wadley XCR-30, Mark 2, selectivity modified by Radio West \$150. Gilfer A-20 Preselector 3.5-17 kHz \$40. Gilfer M-11 Multi-tuner \$35. Palomar loop amplifier and 160/80 antenna \$50. Alan Plotnick, 77 Woodlawn St., Hamden, CT 06517. Ph (203) 281-3915. No collect calls!

FOR SALE: FRG-7700. One month old. No memory with brand-new KRS Active antenna. Never used. Both for only \$500. Must sell now. W/manual and original carton. Frank Bals, 36041 Hillcrest Dr., Eastlake, Ohio 44094. Ph (216) 946-6185. No collect calls!

FOR SALE: WRTH years 80, 79, 78, 77, 76, 69 for \$3.50 each. WANTED: CW-RTTY reader - Kantronics, Info-Tech, etc. Jim Uerlings, 3908 Kelley Dr. Klamath Falls, OR 97601. Ph (503) 884-7659 after 0130 GMT. No collects!

# PROGRAM

JANUARY 1982

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

# PANORAMA

AUSTRALIA...Radio Australia has retimed its evening transmission to North America to 0200-0400 GMT on 17795 and 21740 kHz. Some of RA's programs have been retimed so that they can be heard in North America, including SPECTRUM, now scheduled for the first Sunday evening (Monday GMT) at 0330 GMT. It can still be heard each first Sunday at 0612, 0810, 1612, 2112 GMT.....This time of year offers the best reception of Australian domestic stations on shortwave, including VEW9 in Perth, Western Australia. Tune in for a taste of domestic radio "Down Under." 1000-1500 GMT is the best time in the East on 9610. (Items contributed by Kraig Krist, VA and WS)

AUSTRIA...ORF's AUSTRIAN SHORTWAVE PANORAMA can be heard **ORF** at 0900 and 1805 GMT on Sunday.....The station's English programming is heard for the first time each day at 1830 GMT. You can hear these feature programs on the following days after the daily REPORT FROM AUSTRIA: Sun POST BOX 700; Mon SPORTS REVIEW; Tue AUSTRIA AND THE U.N.; Wed THE AUSTRIAN ECONOMY; Thu POP CORNER; Fri THE WEEK IN AUSTRIA; Sat FOR TOURISTS. The programs are repeated the following day (in GMT time) at 0130, 0330, 0430, 0830, 1230 GMT. (Thanks to Morris Pfeffer, NY for this information)

GABON...Africa No. 1 broadcasts in French to Africa daily from 0500-2300 GMT on 11755 kHz. They also use 4811 between 0500 and 0800 GMT, 7200 from 0800-1700 GMT and 4811 again from 1700-2300 GMT. They feature news and public affairs programming with lots of music. Another feature is a daily MAILBAG program on Mon-Sat 1900-2000 GMT and a SPORTS program from 1430-1800 GMT on Sun. (John J. Flanagan, Jr., MA)

INDONESIA...As promised last month, here's the English schedule for the Voice of Indonesia's transmissions at 0800 and 1400 GMT on 11790 and 15150 kHz. The one hour broadcasts feature the following programs: Daily: NEWS; Mon SPORTS HIGHLIGHTS, POPULAR INDONESIAN MUSIC, ALL ABOUT INDONESIA, INDONESIAN REGIONAL MUSIC; Tue INDONESIA AND THE WORLD, POPULAR INDONESIAN MUSIC, LET'S SPEAK BAHASA INDONESIA, KERONCONG MUSIC; Wed PRESS COMMENTS, POPULAR INDONESIAN MUSIC, TOURISM, INDONESIAN REGIONAL MUSIC; Thu COMMENTARY, POPULAR INDONESIAN MUSIC, WOMEN'S WORLD, INDONESIAN REGIONAL MUSIC; Fri TALK ON ECONOMY, POPULAR INDONESIAN MUSIC, INDONESIA: MY COUNTRY AND MY PEOPLE, KERONCONG MUSIC; Sat PRESS COMMENTS, POPULAR INDONESIAN MUSIC, THE WEEK IN REVIEW, INDONESIAN REGIONAL MUSIC; Sun SUNDAY SPECIAL, POPULAR INDONESIAN MUSIC, LISTENERS MAILBAG, INDONESIAN REGIONAL MUSIC. Each transmission ends with the NEWS IN BRIEF. (Randy Moss, CA and Jeff Hahn, CA)

KOREA, REPUBLIC OF...Radio Korea, Seoul broadcasts to the Americas in English daily at 0200 GMT (11810), 0530 GMT (11810), 1000 GMT (9570), 1330 GMT (9720), 1600 GMT (11830). You can hear these programs: Mon-Sat NEWS, NEWS COMMENTARY, followed by: Mon SEOUL REPORT, LET'S SPEAK KOREAN, VISITORS OF THE WEEK, INSIDE NORTH KOREA; Tue THE FACTS ABOUT LIFE IN KOREA, LET'S SPEAK KOREAN, THIS IS SEOUL!; Wed INVITATION TO KOREA, LET'S SPEAK KOREAN, THIS IS SEOUL!; Thu DAWNING OF A NEW ERA, LET'S SPEAK KOREAN, THIS IS SEOUL!; Fri HISTORY & CULTURE, LET'S SPEAK KOREAN, DXERS' HOUR (actually only 20 minutes-WS); Sat POP SONG CORNER, INDUSTRIAL SCENE, FOLKTALES & PROVERBS. A 10-minute NEWS BULLETIN concludes each Mon-Sat transmission. Sun programs are NEWS HIGHLIGHTS, KBS MAGAZINE, PRESS IN REVIEW, LISTENERS CORNER. (Randy Moss, CA & Kraig Krist, VA)

Congratulations to John, Chris and Peggy for their election to the Board of Directors of SPEEDX. The club will be in good hands in the years ahead. Thanks to all members who supported my candidacy! (WS)

PHILIPPINES...Radio Veritas broadcasts in English from 0030-0100 GMT daily on 15135, 15280, 17785 kHz. You can hear these programs during the transmission: Sun REFLECTIONS, HELLO SUNSHINE, NEWS ROUNDUP; Mon-Fri begins with THOUGHTS IN MUSIC and ends with TAKE A MINUTE/NEWS, with a feature program sandwiched in: Mon OUR DAILY BREAD/SPECTRUM; Tue A SEARCH FOR HEROES; Wed THE MUSIC OF ASIA/SPECTRUM; Thu FAMILY AFFAIR; Fri OUR ASIAN NEIGHBOR/LITERARY PERSPECTIVE: ASIA; Sat has LISTENERS INTERNATIONAL, TAKE A MINUTE, NEWS. Next month we'll look at some other RVA English broadcasts. (Thanks to John Demmitt, PA)

POLAND...The recent events in Poland make Radio Polonia a most interesting station to tune in to. See the November 1981 Program Panorama for a schedule of English programs heard in the North American Service in English and Polish daily from 0200-0300 GMT and 0300-0400 GMT. (Thanks to Randy Moss, CA and Kraig Krist, VA)

SINGAPORE...Radio Singapore's excellent musical program SOOTHING SOUNDS is being heard well on the West Coast. The program consists of old American pop songs and the program is just what the name implies. Tune in Daily from 1540-1625 GMT on 11940 kHz. (Virgil Carlson, WA)

SWAZILAND...Trans World Radio broadcasts in English daily from 1500 to 1600 GMT on 7195 kHz. The program BREAKTHROUGH--DAILY INSIGHTS FOR LISTENING is featured. Also from 1600-1700 GMT on 11740 kHz, you can hear a repeat of the same program. (Chris Stark, NB)

SWITZERLAND...Swiss Radio International has just published their illustrated program booklet for the upcoming year. English programs heard on SRI include: Daily: DATELINE; Sat THE GREAT SATURDAY GRAPEVINE (1st and 3rd weeks), THE SWISS SHORTWAVE MERRY-GO-ROUND (2nd and 4th weeks); Sun BALANCE SHEET (on economics, 1st week), ROUNDABOUT SWITZERLAND (2nd week), SUNDAY SUPPLEMENT (3rd week), JAZZ PANORAMA (4th week), REPEAT PERFORMANCE (5th Sun). Write to SRI in Berne for your copy of this new program guide today! (Thanks to David Claytor, MI for this information)

Swiss Radio  International

UNITED KINGDOM...BBC World Service starts off the New Year with a wide variety of excellent programming. A new series is A WORD IN EDGWAYS, a discussion program which has occupied a regular place in the schedules of the BBC national radio for nearly 20 years. For 13 weeks, you can hear a wide-ranging conversation between three speakers and the chairman, Brian Redhead in the BBC's Manchester studios. It is unlike most discussion programs in that there is no set agenda and the speakers are not invited to recite their well-known views. Instead, the chairman invites writers, artists, scientists, academics, journalists and politicians to join him in what he calls an unrehearsed intellectual adventure, exploring ideas and sharing experiences. Tune in Sat 0330, Mon 0945, Tue 2115, Wed 1430 GMT for this interesting new series.....Some new music series which you can hear are: RHYTHM 'N' ROOTS features the best in black music today on Sat 0830, 1430, Sun 0330, Mon 1830 GMT...TWENTIETH CENTURY FOLK can be heard Sat 2115, Sun 1015, Mon 0215, Thu 0530 GMT...BACKTRACKING is a program for record collectors and rock music fans. It can be heard on Sat 0430, Mon 1115, Tue 2315, Fri 0730 GMT. (All information from London Calling, January 1982)

USSR...Radio Moscow World Service has some interesting feature programs scheduled daily. ROUND ABOUT THE USSR can be heard Mon 0710, 1310, 1910, Tue 0110 GMT; DISC PANORAMA is on Mon 0730, 1330, 1930, Tue 0130 GMT; THE FOLK BOX can be heard Thu 0730, 1330, 1930, Fri 0130 GMT. More next month as space permits. (Thanks to S. Proom, GB, David Claytor, MI, Edward Fournier, VA, Chris Stark, NB and Kraig Krist, VA for this information.)

So we begin another year of Program Panorama. Thanks for your support in 1981 and I hope that you will make 1982 the best ever for the column and for SPEEDX. Let's make it a point to share our information and views with our fellow SPEEDXers. Good Listening! Woody 12/19/81



# 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

BC-348 information....Thanks to all who sent in tid-bits about where to get information on the BC-348!! Some info forwarded and best is included herewith: For technical manuals on the BC-348 (be sure to include the "letter" suffix with your type number!), send for a catalog to: M. Consalvo, 7218 Roanne Dr., Washington, D.C., 20021. In fact he has manuals on a BIG variety of surplus gear! For a source of some tubes try: Fair Radio Sales, P.O. Box 1105, Lima, Ohio, 45802. Ask for a listing of their surplus tubes and current catalog. In the meantime, I laid hands on an old BC-348 R!! Needs some work, but I may make it work when I have the time!

JRC..NRD-515 RECEIVER...Available from Gilfer Associates now with a modification to make it remember the last frequency dialed up when it is switched off. Also Perry is doing selectivity modifications to the receiver. For the exact details and prices, write to: Gilfer Associates, P. O. Box 239, Park Ridge, NJ, 07656 and request their new catalog supplement.

DX-EDGE...A new operating aid is being marketed by: The DX Edge, P. O. Box 834, Madison Square Station, New York, NY, 10159. It consists of a plastic carrier with a world map imprinted on it showing the 40 "CQ" zones (for the CQ magazine contests)and country outlines. A set of 12 plastic slides or overlays show the daylight and darkness zones for each month of the year. By using the correct slide, the dark path, daylight path and sunset sunrise can be determined for any point in the world. Looks like a real handy item for the 120-60 meter DXer and those interested in long range MW (BC band) DXing. Price is \$14.95 postpaid to anywhere in the U.S. Additional costs \$2 for surface post and \$4 for airmail Worldwide.

SPEEDXer Roger Peterson says he has discovered an excellent book for the beginning "do-it-yourselfer" in electronics called "Tools & Techniques for Electronics" It costs \$4.95 and covers such things as: soldering, wiring and cabling, wirewrapping, printed circuit board techniques and much more! This book available from: 73 Magazine, Mail Order Dept., Peterborough, NH, 03458.

Shortwave Hobby Equipment Review 1981, published by Larry Brookwell, IDXCS, 1826 Cypress St., San Diego, CA., 92154 now has a late supplement. This offset printed book has some excellent information and is a digest of info published in the IDXCS Club Bulletin, plus some material especially written for the "review" itself. Sidelights of good and bad points, trials and tribulations with manufacturers etc. are sometimes related! Write to Larry with a SASE for complete details and current prices. Say you saw it in SPEEDX!

Active Antennas VS. Longwires, dipoles etc.... The claims of manufacturers of the so called "active antenna" many times sound like music to the ears of some DXers looking for elusive countries! This zeal for better reception is sometimes short-lived when said DXer finds out his favorite "long-wire" works just as good or better. Active antennas DO have a place in the short-wave fraternity, but don't expect a miracle antenna that will pick up that 100 milliwatt pirate on 1610 khz!!!! Active antennas are very useful to the apartment dweller who cannot erect ANY antenna save for a whip on his condo railing! CR...maybe he can't erect ever that! "Dipole" actives like the Patons can be fastened to large windows inside and do a good job, the additional gain of the active making up for the poor location. If you have a full size dipole or a "longwire" up, chances are an "active" antenna won't be any improvement on what you have. If you MUST try one, ask the dealer if it can be had on a "trial" basis with return options. Remember that it costs a dealer money to check out and repackage a returned item, so he may charge a small "restocking" fee! Hopefully this answers the questions some of you SPEEDXers wrote in about.

HAPPY NEW YEAR!!! and hope everyone has a successful 1982

73, "Sandy"  
70

# RADIO OF YESTERYEAR

by DONALD D. DICKEY

In 1921, at the age of 12, I constructed my first radio receiver with the aid of an older boy in our neighborhood, who had previously entered the great hobby of "radio listening". It was a crystal detector radio with its 'cat-whisker', using either a small piece of silicone or galena. The tuner was a tapped variable inductance. The balance consisted of hardware, hookup wire and a set of inexpensive earphones. My antenna was 50' of 14 gauge single strand copper wire mounted between our house and garage.

The receiver components were mounted on a breadboard. The amazing thing about all this was not the way it looked, but the fact that it did actually work! Picking up such local broadcasts that were "on the air" at that time, this crystal receiver had a listening range of about 30 miles.

My next project was a one vacuum tube in a single circuit receiver with a variable capacitor and inductive tuning. This receiver provided a bit more distant reception. In fact, from my home in Minneapolis, I managed to hear broadcasts from Chicago (about 400 miles away), but not with great fidelity.

Then I tried my hand at a three tube job known as an "Armstrong Regenerative Receiver". It employed variable capacitance, variable inductance, a series of switch points or contacts, and a variable resistor known as a "rheostat", something similar to our present day wire-bound potentiometer. In all, the operator of the regenerative receiver had five controls to adjust when tuning a signal!

The "Armstrong Regenerative" operated on the principle of controlled feedback from a point of higher to lower signal potential. The feedback was controlled by the rheostat, or what we would today call the volume or gain control. If the operator of a regenerative receiver advances the rheostat too far (past the half-way mark) the receiver would break into oscillation and set up squeals and howls beyond description. In addition to the annoyance that was experienced by the person tuning such a receiver, these noises were fed back into the signal input and from there to the external antenna, then broadcast to other listeners in the neighborhood!

My final experience in "home brew" receivers was a five tube configuration known as the "Neutrodyne circuit". This was a prototype of the "tuned radio frequency" type. This turned out to be a vast improvement over my previous attempts. But, this too had its own built-in evils to plague the listener. Its main problem arose from the fact that the vacuum tubes would not amplify all carrier frequencies with equal results. Reception was not stable, nor was the fidelity too good, and the tuning of such a unit still required too many knobs and dials.

By the way, most of these early receivers were limited to medium wave reception.

I might mention another chronic complaint of early radio listeners. It was a thing called "body capacity". It manifested itself as follows: If one's hand approached the front panel of the receiver, the radio would go into oscillation and squeal! The human body acted as one plate of a capacitor (the front panel), the dielectric and metal components inside the cabinet acted as the opposite plate, thereby setting up stray or unwanted capacitance!

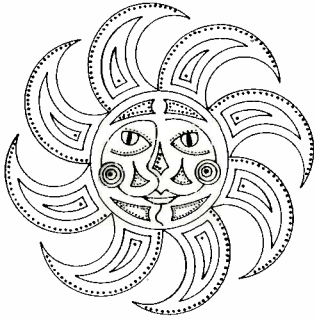
Early radio experimenters tried to solve "body capacitance" by various means. One was lining the inside surface of the front panel with tin or copper foil, then connecting this shielding to a good ground. This helped, but did not solve the whole problem.

Another gimmick involved a remote tuning device which resembled a "plumber's friend". A long handle with a rubber suction cup attached to one end to engage and tune the tuning controls. This kept hands and other parts of the body away from the front panel. It helped some, but not all that much.

Of course, all the difficulties of early radio reception were not completely due to poor and inefficient receivers. Transmitters also had not come of age. When the "Armstrong Hazletine superheterodyne" was introduced, radio had arrived! Today, the "super-het" remains the basic circuit for TV and radio receivers. In the early 1920's, wireless radio was in the "horseless carriage" stage, hardly looked upon as a practical medium for home entertainment. Radio was, for the most part, the concern of hobbyists & experimenters.

There were a few factory-made radio receivers available at that time, which were both massive and elegant, with prices that regulated their purchase to the affluent few. The performance of those early factory constructed sets were rarely better than the "home brew" type. I recall one such professionally manufactured set that sold for almost \$1000 (a LOT of money in those days!) and it is amusing to note that a present day \$15.00 micro mini transistorized radio can out perform anything made in those days by far!





# SPEEDX Western Hemisphere

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Bronx, NY 10468  
(212) 549-6613 0000-0500 GMT HOME

**Deadline: 12th**

**All times and dates UTC. All fays in kHz**

JANUARY 1982

I WOULD FIRST LIKE TO THANK ALL THOSE SPEEDXERS who sent me condolences on the death of my mother on November 18. They are much appreciated. I would also like to thank all those who have sent Christmas and season's greetings.

MOST OF YOU WILL NOTE THAT THIS MONTH'S WESTERN HEMISPHERE is being typed on a typewriter, rather than on the Wang. The reason for this is that I have taken a new job with a computer service bureau in Manhattan. Eventually this job will also encompass a word processing department, of which I will be supervisor -- however, for the nonce, it is one step forward and two steps back, as far as Western Hemisphere is concerned. It is back to manual sorting of loggings and typing the column from scratch -- Liquid Paper and Avery tape will be much in evidence. The important thing to remember is this: Western Hemisphere is still going to be produced with care, thought, and humor. A typewriter can't affect any of those qualities. So, good-by Wang, hello IBM! (the typewriter is an IBM non-Selectric model 15.)

TO CATCH UP ON SOME BUSINESS THAT IS PENDING FROM LAST MONTH, one of my reporters sent a notice with his reports describing the editing out of loggings of harmonic emissions. Unfortunately, this person is the only reporter who regularly reports harmonics, so the past policy of editing out all harmonic loggings falls most heavily on him. However, I see no great demand for harmonic loggings, and I feel that, after having stated this policy in months past, anyone who sends in harmonic loggings should know that they will not be printed in this column. The result is: you send in loggings of harmonics at your own risk, and I will not be responsible for any psychological effects on the reporter of my editing them out of the column.

WELL, I GUESS I SHOULD BE GETTING ALONG TO THE LOGGINGS (which I haven't sorted yet -- oh gee!). So, remembering that all loggings of stations (except Brazilian) with no language designation were heard in SS (Brazilian loggings in PP), I present . . .

## SOUTH AMERICA

### ARGENTINA

- 5985 2325 R. Splendid, t1k, EZL mx, ID, more talk (333; 11/13. D'Angelo, PA)  
6060 0208 R. Nacional, OM w/ world nx, mentioned Haig (443; 11/18. Miller, CA)  
9690 0110 R. Argentina (NOTE: RAE is no longer the name for the official exterior service of Argentina -- R. Argentina has replaced it. ch) EE, nx, wx, cmt, sked, cmt on terrorists' "political refugees" rounded up in kidnapping here (433; 11/17 Huffaker, MEXICO)(0100; 545; 11/21. Berri, CA)(0117; 11/7. Picarelli, CA)+4  
11709.3 2334 R. Argentina noted 11/28, measured here and responsible for the het with un-IDed 11710 carrier (Hauser, OK)  
11710 2303 R. Argentina, IS, ID, chimes, nx (233; 11/13. Beeman, OH)(0100; 332; 11/5. Manning, NM)(0120; 433; 11/14. Forbes, TX)(0118; 444; 11/8. Speer, GA)+1

### BOLIVIA

- 4730t 0010 R. Abaroa, OM w/ rel. px., choral singing, no ID noted (pr/fr; 11/30. Parks, FL)  
6025 0020 R. Illimani, YL w/ variety of pretty Andean mx, ID (433; 11/6. Hotaling, NV)  
6105 0040 R. Panamericana, soccer game, excited ancr (of course), long yell when goal scored (of course)(433; 11/6. Hotaling, NV)

### BRAZIL

- 3205 0155 R. Ribeirão Preto, very fast t1k by OM w/ space age sounds and echo (this guy talks so fast I'm out of breath listening)(242; 11/28. Heller, WA)  
3335 0155 R. Clube de Conquista, EZL Brazilian ballads, ID w/ echo effect @0200, ad string (fr; 11/10. Parks, FL)  
3375 0945 R. Nacional de São Gabriel, OM t1k w/ mentions of São Gabriel, pop mx, OM t1k w/ chipmunk (How interesting! Did they say anything important? hi! ch) Full ID @1000 (353; 11/19. Streeter, NY)(343; 11/10. Schlesinger, TX)

BRAZIL -- (CONTINUED)

- 3375c 0015 R. Clube Dourados, comedy px w/ laugh track. Mixing w/ R. Nacional. No ID noted. (pr; 11/10. Parks, FL)(Oh, gee, I think the jury is out on this. ch)
- 3385 0005 R. Congonhas, Brazilian vocals and accordion mx hosted by YL; OM w/ ID @0013 Intermittent CW UTE QRM (pr/fr; 11/10. Parks, FL)///// 11/26. Schlesinger, TX)
- 4765t 2335 R. Nacional Cruzeiro do Sul, EZL mx w/ YL tlk between songs. QSB/QRM (322;/ 4835 0355 R. Nacional Boa Vista, local pops, 0402\* w/ ID, NA (333; 11/22. Alexander, PA)(0330; fr/pr; 11/20. Parks, FL)
- 4885 0835 R. Clube do Pará, OM w/ variety Brazilian mx, ID @0843 (322;11/12. Hotaling, NV)(0809; 434; 11/5. Ross, ON)(0815; 444; 11/30. Raymond, MA)(343;11/14. Viau, PQ)
- 4895 0915 R. Baré, tlk, accordion mx, singing, yelling and nonsense singing (1a de da's &c.)(333;11/4. Ross, ON)(0903; 443; 11/24. Schlesinger, TX)(ID: R. Bare...ondas medias e tropicales, frecuencia de 1440, 4895 kHz, faixa de 60 metros"; wiped out by 0955 Juventud s/on; 0929; 232; 11/9. Wilkins, CO)
- 4905 0000 R. Relogio Federal, time by YL every min, OM w/ nx (353; 11/14. Viau, PQ)(0305; 222; 11/28. Streeter, NY) FL)
- 4915 2347 R. Anhanguera, Brazilian C&W hosted by OM, ID @0002 by OM (fr;11/29. Parks, 4985 2245 R. Brasil Central, fast tlk by OM, yelling and screaming. Futbol? (333; 11/1. Ross, ON) inger, TX)
- 5025 0850 R. Borborema, tlk until buried by Relej carrier @0851 (232; 11/10. Schles- 5035 0045 R. Aparecida, Modern U.S. & LAM pop mx, Rolling Stones mx; good level to- night; (322; 11/23. Cunningham, OH)(2235;good; 11/22. Zavatsky, CT)
- 5045 0658 R. Cultura do Pará, s/on, OM tlk, ID as "R. Cultura," many ments. of Bra- zil, into accordion inst. (333; 10/10. Ross, ON)(0846; 0900 f/out; 432; 11/18. Schlesinger, TX)(0758; sung ID by 2 OMs; 343; 11/26. Wilkins, CO)
- 5055 2258 R. Maua, nx by OM, ID @2300, popped through when TIFC lost signal briefly; (fr/pr; 11/26. Parks, FL)(2324;322;12/4. Newton, GA)
- 5965 0010 R. Guaiba, instrumental "yellow ribbon," OM ID (322; 11/7. Hotaling, NV)(0038; 222; 11/12. Palmer, WA)
- 5975 0005 R. Guaruja, Brazilian pops, OM w/ DJ chatter and frequent IDs, ads, noted under BBC (Hm. Must have been an auroral night. ch)(pr; 11/3. Parks, FL)
- 6000 2311 R. Inconfidência, OM w/ sx, snatches of upbeat mx, px called "Jornal Esportiva," always best around 1 hr. before sunset. (422; 11/8. Palmer, WA)(2330; 333; 11/10. Viau, PQ)(2359; 454; 10/25. Johnson, ID)
- 6045 0015 R. Clube Paranaense, excited man, soccer game (322; 11/6. Hotaling, NV)
- 6095 0030 R. Dif. São Paulo, another soccer game, usual excited anc (222; 11/6. Hotaling, NV)
- 9575 0900 R. Jornal do Comercio, s/on while listening to Manila, many IDs and mentions of Pernambuco (333; 11/16. Sams, AR)
9705. 2350 R. Nac. Itáoco, PP tlk, and caught Nacional ID (323; 11/1. Sams, AR)
- 11780 2035 R. Nacional de Brasília, YL w/ tlk, Brazilian mx, ID @2045 (333; 11/20. Streeter, NY)
- 11805 2342 R. Globo, Hyper OM anc w/ futbol remotes, canned ads, and self-promos. Not often heard here (343; 11/11. Palmer, WA)(0140;232;11/21. Streeter, NY)
- 11865 0815 R. Clube de Pernambuco, Brazilian pop mx, much talk, ads, ID @0829 (242; 11/28. Streeter, NY) Palmer, WA)
- 11925 2354 R. Bandeirantes, Futbol, national hookup, same px as 11805 Globo (422; 11/11 15125 1900 R. Brás, EE, mailbag, political/administrative organization of Brazil (242; 11/21. Tait, AUSTRALIA)(1900;333;11/7. Sable, CA)
- 15290 0200 R. Brás, EE, wx, nx, feature about growing asparagus in Brazil, 0300, (444; 11/27. Alexander, PA)(\*0200;554;10/31. Hesch, NY)(0228;453;11/8. Claytor, MI) +5
- 17805 1900 R. Brás, EE, OM w/ ID, sked, nx (//15125)(322; 11/28. Berri, CA)
- 17830 0204 R. Brás, EE, mx, w/ DJ chatter, YL bus drivers in São Paulo, 6 minute tour of a city (434; 11/19. Kerrigan, IL)+3
- 17855 1845 R. Brás, EE, IS, fqys, sked; VOA QRM (433; 11/19. Miller, CA)

CHILE

- 6150 0040 R. Nacional de Chile, races, ID, covered by DW s/on @0056 (343; 11/21. Viau, PQ)
- 15140 0050 R. Nacional de Chile, LAM mx played to live audiences, (433; 11/27. Beilke, KS)(0310; 353; 11/11. Earhart, PA)
- 15150 2249 R. Nacional de Chile, Futbol game, ID @2300 by OM, (444;11/28. Raymond, MA)(423; 0345; 11/7. Boone, TX)(0230; Soccer game between Colo-Colo and La Serena, 444; 11/7. Grosvenor, CA)

COLOMBIA

- 4815 0357 R. Guatapurí, OM nx, "TODELAR de Colombia," ID (434; 11/10. Davidson, SC)(0145; 444; 11/13. Thompson, NM)+2
- 4865 0911 LV del Cinaruco, ID by OM @0913, 3 out of 4 mx selections were lively Mexi- can numbers (444; 11/15. Palmer, WA)(0849; 444; 11/16. Schlesinger, TX)+3
- 4875 0440 LV del Norte, Colombian mx, ancmt + TC after each, 0501\* w/ fqys, (HJBV, 4875), NA (242; 11/26. Wilkins, CO)(1040; 333; 11/16. Schlesinger, TX)
- 4875 1140 R. Super de Medellín, nx, ads to 1150+, f/out (422; 11/24. Schlesinger, TX)(0400; 434; 11/18. Zavatsky, CT)(0455; 343; 11/5. Fortmann, IL)+2

/COLOMBIA/ -- (CONTINUED)

- 4945 0748 R. Colosal, "ritmos" OM ancr, "las 2 de la mañana, 51 minutos," no ID, but heard many time previous (444; 11/15, Palmer, WA)(0600; 333; 10/31. Manning, NM) (0534; 454; 11/14. Viau, PQ)(0700; 433; 11/29. McKinney, PA)+1
- 4965 0744 R. Santa Fé, "ritmos" @0745 OM w/ TC "2:45 en R. Santa Fé," Hi-power + A/N. (444; 11/15, Palmer, WA)(0735; 434; 11/29. Moss, CA)
- 5020 0658 Ecos del Atrato, mx (sounded like a party), TC, ID, NA @0708\* (333; 11/15. Huffaker, MEXICO)(0200; 232; 11/19. Stone, ON)(0140; 444; 11/27. Alexander, PA)
- 5030 0436 R. Contiente, spirited mx w/ voices -- too much noise for my hearing aids, so tuned off (332; 11/22. Earhart, PA)
- 5095 0013 R. Satutanza, OM DJ, tik, CW QRM from CFH w/ traffic (323; 11/2. Ross, ON) (0040; 444; 11/17. Thompson, NM)(0900; 555; 11/2. Kanopka, NY)
- 5955 1000 LV de los Centauros, IDs @1000, LAM mx, ID (333; 12/2. Raymond, MA)
- 5980 0953 R.dif. Nacional de Colombia, chimes, "El Eco Informo" px, possibly s/on, not there a few mins. earlier (454; 11/20. Jones, MS)(0957; ID: "Desde Bogotá, transmite la R.dif. Nacional de Colombia...HJND, 570 kHz onda media;" then into mathematics by radio lesson. 333; 11/26. Cunningham, OH)
- 6065 0937 R. Super de Bogotá, spoken px, apparently for farmers. IDs (444; 11/9. Schlesinger, TX)(6066; 0733; "ritmos," very annoying het w/ 6065; 322; 11/15. Palmer, WA)(0250; 322; 11/10. Stone, ON)
- 6085 \*1015 Ondas del Darién, march mx, ID, calls, fqys, NA, somewhat distorted modulation (443; 12/7. Jones, MS) /////////////// 11/26. Beilke,KS)
- 6115 0540 LV del LLano, "Palabra de Corazón," ID, (433; 11/25. Boone, TX)(0654; 454;/
- 6150 0726 LV del Huila, "ritmos," occasional TCs, (343; 11/15. Palmer, WA)
- 11792.4 0350 R.dif. Nacional de Colombia, classical mx, some from operas (353; 11/22. Earhart, PA)(11793; 2131; 434; 11/11. Schlesinger, TX)
- 15333.7 0318 R.dif. Nacional de Colombia, mx and tik (353; 11/19. Earhart, PA)(0330; opera mx, but they're going to do the whole opera, and I can't wait for the ID. 222; 11/15. Traver, CA)(I guess we'll let you off this time, Traver. ch)(0005; playing opera "L'Africane," IDs, fqy, TC (He waited for the ID, Traver! ch (hi!)) 433; 11/8. Byron, NY)(0308; 444; 11/21. Ruckman, OH)

/ECUADOR/

- 2340 0020 R. Bahai, LAM pops and ballads; ID @0025: "Esta es R. Bahai en Otaudo, Rep. de Ecuador," (pr/fr; 11/22. Parks, FL)
- 3280 1024 LV del Napo, saludos + messages, 1050\* abruptly (343; 11/26. Wilkins, CO)
- 3380 1114 R. Iris, ID, TC, Ecuadorian mx (444; 12/6. Jones, MS)(0330; 343; 11/11. Huffaker, MEXICO)(0340; 0400\*; 343; 11/25. Ray, PA)(1004; Coke ads sound the same in SS; 443; 11/10. Schlesinger, TX)
- 3395 0435 R. Zaracay, px of ballads w/ frequent IDs+TCs. 0457\* sans NA (343; 11/20. Streeter, NY)(0110; 333; 11/9. Ray, PA)(1034; 444; 11/10. Schlesinger, TX)
- 3985 1100 Escuelas Radiofónicas Populares, 1100 brief religious px, 1103 ID, then math lessons to 1120 (333; 11/26. Wilkins, CO)
- 4656 0315 CRE, OM anc; EZL mx, ads, ID: "R.difusión del Ecuador," (322; 11/10. Stone, ON)(0300; 333; 11/29. Streeter, NY)
- 4679 0450 R. Nacional Espejo, band mx, 0513\* (242; 11/26. Ruckman, OH)(0922; 242; 11/13. Schlesinger, TX) /////////////// 12/8. Streeter, NY)-----
- 4801 0445 R. Popular, OM w/ LAM mx, TCs, 0530\*; infrequent IDs as "en Popular," (322;/
- 4820 1000 R. Paz y Bien, Ecuadorian mx, tik by OM, good signal (444; 11/27. Alexander,
- 4870 1112 R. Rio Amazonas, ID, mx (443; 11/18. Huffaker, MEXICO) //PA)
- 4920 0315 R. Quito, mx, Coke ad @0315, mx ID @0330, mentioned Quito 7 times (fr; 11/13. Miller, GA)
- 4960 0245 R. Federación, light instrumental mx, followed by OM w/ reverb s/off amnt; NA through 0301\* (232; 11/12. Streeter, NY)
- 5050 0102 Emis. Jesús del Gran Poder, hymn by choir, than long talk by OM incl. a listing of 5-6 Ecuad. radio stations. @0109, gentle guitar mx, then complete ID by OM, Ecuad. NA, and off. Good (322; 11/19. Cunningham, OH)(Carl, I think your entry for 5050 is a catch of part of the list of stations mentioned above -- probably the network (?) stations. ch)(1045; 353; 11/28. Streeter, NY)(1104; ad, business mx, ancd several other network stations; 444; 11/23. Jones, MS)(1022; 555; 11/10. Viau, PQ)(\*1015; 444; 12/2. Raymond, MA)
- 5060a 1012 R. Progreso, ID, TC for 0508, tik, Ecuadorian mx (454; 11/26. Jones, MS) (5061; 1026; ID: R. Progreso de Loja, Ecuador," 333; 11/26. Cunningham, OH)(1011; 444; 11/26. Wilkins, CO)

HCJB

- 3220 0247 Quechua, unusual mx: Ravel's "La Tombeau de Couperin," (151; 11/28. Ruckman, OH)
- 6095 0630 EE, How to build a highly directional 500-foot antenna, SPEEDX Report (444; 11/14. Lord, CA)(0547; 333; 11/21. Demmitt, PA)
- 6130 0708 EE, OM/YL w/ Musical Mailbag, (333; 11/14. Lindley, AL)
- 9745 0330 EE, Bill Pearce with Night Sound; (444; 11/15. Smith, FL)
- 9760 0720 EE, "The Church in Germany: A Report" (443; 11/14. Picarelli, CA)
- 11740 1200 EE, Bible reading, mx (310?????; 11/20. Duguay, MA)
- 11835 0606 EE, World/Ecuad. nx, ID, "Way of Life" (444; 10/14. Ross, ON)

ECUADOR -- HCJB (CONTINUED)

- 11910 1305 t1k by OM mentioning Jesus Christ (433; 11/21. Miller, CA)// 11/15. Traver, CA)  
11960 0351 OM w/ YL singer, classical mx, piano accompaniment, diff. px from 15155 (443;  
14835 1235 Quechua?, hearing this spur again; maybe from 15360, to which it is // (444;  
11/24. Sams, AR)  
15155 0338 EE, OM w/ hymns, mentions trying to prepare tape but couldn't get into mood  
of px until he considered his love for God. (322; 11/15. Traver, CA)(0200; 444;  
11/9. McKinney, PA)  
15175 0030 EE, Bible Readings and talks (555; 11/11. Duguay, MA)  
15360 2145 EE, DXPL, antenna construction (444; 11/23. Langlois, GA) McCants, LA)+3  
17890 1336 EE, "Morning in the Mountains," px on U.S. musical comedy (454; 11/26. /  
26020 1757 EE, OM w/ ID, addresses, religious mx + talk. QRN bad at times. (252; 11/2.  
Lindley, AL)(2150; into JJ from EE @2200; 353; 11/7. Frazer, MA)

FRENCH GUIANA -- FR3

- 3385 \*0900 FF, time pips, guitar IS, ID & fqys, not on 6170 this day (222; 12/8. Jones, MS)  
(0029, 222; 11/8. Sams, AR)  
4972 2325 FF, U.S. R+B mx w/ YL DJ, UTE QRM and Rumbos splatter, //3385 which is  
worse (322; 11/16. Ray, PA)  
6170 1015 FF, Bette Davis Eyes, 1025 f/out (443; 11/28. Wilkner, FL)

GUYANA -- GBS

- 5950 0815 EE, fast-paced talk, some religious talk, nx, wx, mx, (343; 12/2. Moss, CA)  
(0804; 333; 11/7. Manning, NM)(0820; 454; 11/15. D'Angelo, PA)(0916; 333; 11/5.  
Ross, ON)(0806; 443; 11/15. Kanopka, NY)

PARAGUAY -- R. Nacional

- 11915 0025 Nx by OM, ID, brief mx (pr; 11/21. Zavatsky, CT)

PERU

- 3240 2345 R. América, rock mx, IDs, slight het (222; 11/24. Sams, AR)(0035; fr; 11/10.  
4790 0838 R. Tropical, campo mx, colombiana style, w/ frequent IDs (444; 11/16.  
Schlesinger, TX)(0945; 444; 11/1. Ross, ON)(0925; 333; 11/28. Raymond, MA)  
(0230; 444; 11/11. Thompson, NM)  
4825 0952 LY de la Selva, carrier on 11/6, local instruments for a minute, anthem, ID,  
into "musica folklórica de nuestros Andes" (might be program title). TCs through-  
out, 3 minutes fast. Believe they anc. this as 10 kW, which would explain their  
good signal lately (Berg, MA)(0500; 333; 0503\*; 11/2. Sams, AR)(1008; TC @1014,  
then into 4-min. religious px w/ hymn by YL, apparent sermon by M&W (mentioned  
"palabra de Dios"), @1020 back to folk mx, 1034 f/out; 322; 11/6. Cunningham, OH)  
4840 0127 R. Andahuaylas, LAM ballads, local Peruvian mx hosted by OM, Doorbell TC @  
0200; ID by YL. Co-channel CW UTE QRM & Valera off air (pr; 11/27. Parks, FL)  
4860 0758 R. Chinchaycocha; TC "...por R. Chinchaycocha..." mx (343; 11/15. Huffaker,  
Mexico)(2340; power increased; huaynos, crillo mx, ID by OM @2345; ad string.  
fr/gd; 11/18. Parks, FL)  
4997- 0945 R. Andina, local mx, buried by YVMQ carrier @0947 (222; 11/13. Schlesinger,  
TX)(2335; gd; 11/29. Parks, FL)  
5015 \*0933 R. Moyobamba, heard after countless tries, 11/21, ID, Peruvian mx, many TCs,  
a little "Silent Night." Nice ID @0943, w/ station name given...slowly... Nearly  
gone by 1000 (Berg, MA)  
5025 2330 R. Quillabamba, noticias w/ mx interludes; religious px w/ children saying  
their prayers; ID @0000; (fr; 11/26. Parks, FL)  
5045 \*1036 R. Rioja, "El Condor Pasa," ancmt w/ clear ID; OA NA fold. by typical OA mx.  
Weak signal, spillover from "Jesús del Gran Poder." (232; 11/26. Jones, MS)  
(1039; 252; 11/18. Vlau, PQ)  
5055 \*1025a Onda Imperial-Peru(?); LA station here, now signing on around 1025. Heard  
several times, as on 11/19 w/ GMT-5 TCs, IDs with Rumbos-like chimes, much excited  
talking. Haven't pinned down ID yet, but "Onda Imperial-Peru" is a guess. Alas,  
no anthem played (Berg, MA)  
5970 1008 R. El Sol, fine Peruvian mx, favorite YL anc (the one with the husky voice)  
(443; 11/21. Jones, MS)(1010; 252; 11/28. Streeter, NY)  
5980 0436 R. Panamericana, nx, sx, TCs every 3 mins or so (344; 11/20. Huffaker, MEXICO)  
5995 1030 R. Melodía, Pop hits, like a rock station (243; 11/28. Wilkner, FL)  
6010 1020 R. América, Top-40 mx, to ID @1028, folld. by t1k+anmts; bothered by Reloj,  
but not much, and fading by 1040 (322; 11/23. Schlesinger, TX)(1030; ID, MW fqy  
("Mil diez kHz, amplituda modulada"), bad het (423; 11/27. Jones, MS)  
6022 1037 R. Victoria, px of Andean-sounding campesino mx, OM anc w/ TCs and TCs as  
"R. Victoria del Perú en Lima," between songs. Occasional talks by OM + jingles.  
At 1050, "Beethoven's 5th" theme followed by long choral version of NA. Fading  
away by 1050 (322; 11/26. Cunningham, OH)(6020; 1045; ads, mx, 322; 11/23. Jones, MS)  
6155 \*1000a UnID, being hrd from s/on; there seems to be a quick ID @s/on, but no anthem.  
Some of the mx is Andean, but most seems not. Sig fades quickly, generally peaks  
around 1010. Splash from 6150 is the big problem (Berg, MA)

NOT ENOUGH ROOM TO BEGIN NEXT LOGGING HERE. BOY, DO I MISS THE WANG!!!

PERU -- (CONTINUED)

- 6175 1018 R. Tawantinsuyo, YL tlk & ID, instrumental Andean mx (242; 11/29. Newton, GA)  
6190 \*1055 R. Oriente, presumed, heard daily with OA anthem, opening ID, into px w/  
much excited talking, but very hard to get ID, plus bothersome CW QRM (Berg, MA)  
6296t 0150 R. Chota, local Peruvian mx w/ flutes, OM DJ, no ID heard so tentative, weak  
signal (222; 11/27. Alexander, PA)  
6727v 0030 R. Satelite, YL w/ tlk & several mentions of "Santa Cruz." Beware of station  
on 6720, which is the 2nd harmonic of LV de Nahuala (fr; 11/11. Parks, FL)  
9485 \*0957 R. Tacna, very good on 11/22, full ID and into "Buenos Dias, Peru" px. Many  
TCs, long ad string @1018, gives call on SW as OAX6H, 9500 kHz., and MW as OAX6M.  
(Berg, MA)(9487; 1028; campo mx w/ unmistakable Peruvian flavor, half-buried in  
UTE QRM. @1030, OM ancr w/ TC & just-readable-enough ID as "R. Tacna (pause) en  
Tacna." F.out began @1040; 22; 11/22. Cunningham, OH) //Streeter, NY)  
9510 1030 R. América, OM w/ "R. América desde Lima..." folld. by YL talk (322; 11/16.  
9675 1110 R. Del Pacifico, rel. px hosted by YL&OM, w/ gentle talks, choir hymns, and  
orchestral mx. Occasional IDs&TCs by YL. @1132, px anmt as "La Hora Biblios,"  
then a couple of clear IDs, all by OM. Good level @ tune/in, and still strong @  
1136 t/out. (333; 11/26. Cunningham, OH)

SURINAM -- R. Apintie

- 5005 0540 DD+others; multilingual IDs, incl. "R. Apintie, I love you!" pop song, horo-  
scope in DD, more mx, (343; 11/12. Streeter, NY)(0944; 242; 12/8. Jones, MS)  
(5005.6; 0412; 343; 11/22. Earhart, CA)(0420; 323; 11/26. Boone, TX)(0345; fr;  
11/20. Zavatsky, CT)(5006; 0924; 343; 11/26. Wilkins, CO)

URUGUAY

- 6155 0002 R. Carve, nx read by OM, mostly on SAM events, @0004, percussion on bridge,  
then ID as "R. Informativo Carve" by OM. Then back to nx, w/ occasional TCs + mx  
bridges. Rather weak tonight, but in the clear. (232; 12/1. Cunningham; OH)  
(0100; 433; 11/26. Wilkner, FL)(0017; 422; 11/12. Huffaker, MEXICO)  
11835 0055 R. El Espectador, ID @0100 "El Espectador" w/ several more IDs following.  
anmts, into pop mx @0110 (333; 11/20. Boone, TX)

VENEZUELA

- 3225 0329 R. Occidente, ID, "musica venezolana" (454; 11/18. Jones, MS)(0142; fr; 11/23  
Zavatsky, CT)0154; 433; 11/11. Davidson, SC)  
3255 0120 LV de El Tigre, nx, w/ 20Ms alternating, much talk of Caracas and Venezuela,  
ID @0140 by OM, fast talk, "en El Tigre" several times (242; 11/28. Heller, WA)  
(0240; 232; 12/7. Jones, MS)(1007; 343; 11/15. Huffaker, MEXICO)/Schlesinger, TX)  
3375t 0945 LV de la Fé, local ballads to 0958, followed by talk and ads (332; 11/25. /  
4760 0320 R. Frontera, talk by OM, instrumental mx, possible ID @0325, 0329\*, way  
down in mud (pr; 11/16. Parks, FL)  
4770 0305 R. Bolívar, variety of LAm mx vocals, OM, GMT-4 TCs, het @0330, "Mundial  
Bolívar" @0338; 0353 ID, fqys, NA, s/off (544; 11/10. Davidson, SC)(0330;  
353; 11/16. Witte, CA)(0955; 443; 11/26. Schlesinger, TX)  
4780 0345 LV de Carabobo, OM, LAm mx, ads, many IDs, 0400\* (343; 11/16. Witte, CA)  
(1000; 454; 11/18. Viau, PQ)(0346; 333; 12/1. Jones, MS)(0340; 344; 11/10. Manning, NM)+1  
4800 \*1000 R. Lara, \*1000 Sunday morning (333; 11/1. Kanopka, NY)(2240; 333; 11/19.  
Zavatsky, CT)  
4840 0903 R. Valera, s/on, ID, many ments of Venezuela, into tlk (333; 11/05. Ross, ON)  
(0355; 353; 11/11. Ray, PA)  
4900 \*0957 R. Juventud, s/on w/ NA, anmts, LAm pops (444; 11/27. Alexander, PA)(\*1000;  
433; 11/1. Kanopka, NY)(0040; gm; 11/22. Zavatsky, CT)(0135; 454; 11/21. Thompson,  
4940 0130 R. Yaracuy, vocals, IDs, orchestral mx, talks, piano mx, ads (454; //CA)  
11/28. Thompson, NM)(\*1027; 433; 11/1. Kanopka, NM)  
4970 0450 R. Rumbos, Big Band mx w/ YL vocalist, OM DJ, "Rodando por Venezuela," OM w/  
ID @0456, (343; 11/4. Fortmann, IL)(0630; 333; 11/12. Thompson, CA)(0025; 444;  
11/24. Thompson, NM)  
4980 0908 Ecos del Torbes, OM w/ s/on, ID, mentions of Venezuela, (444; 11/5; Ross, ON)  
(\*1000; 444; 11/1. Kanopka, NY)  
4990 2240 R. Barquisimeto, OM tlk, w/ lots of noise & CW QRM (232; 11/22. Schlesinger,  
5030 1356 R. Continente, EZL LAm mx, pretty decent signal for this hour (323; 11/15.  
Schlesinger, TX)(0952; 555; 11/19. Viau, PA)(0303; 444; 11/18. Berri, CA)(0325;  
454; 11/11. Ray, PA)(0112; 443; 11/19. Thompson, CA) Stone, ON)  
5060 0220 R. Ideal, 0250\*, OM ancr, continuous LAm mx, ID as "R. Ideal" (232; 11/19. /  
5999 1021 R. Sensación, pop mx, ID, bad het (322; 11/21. Jones, MS)  
6178a 1021 R. Turismo, ID, ads (one for Sherwin-Williams Paint), plug for station;  
(443; 11/27. Jones, MS)  
9660 1153 R. Rumbos, OM w/ mx, ID (333; 11/13. Jamieson, CA)(1014; 332; 11/17. Kanopka,  
NY)(0245; 433; 11/12. Miller, CA)(1811; 453; date?; R. Wilkner, FL)

It's hard to adjust to not being able to push a button and sort your loggings. I haven't tackled the Contributors' List yet -- it will be more difficult on the typewriter as the Wang compiled the column automatically for me. Boy, do I miss it! Once I get on the Prime computer at the office, however, things will be looking up.

/NORTH AND CENTRAL AMERICA/

ANTIGUA/

- 6010 0134 DW, EE, German film mx, Marlene Dietrich singing "Watch Out for Blonde Women," (444; 11/9. Pfeffer, NY)  
 6040 0116 DW, EE, talk: Care for the Elderly (433; 11/22. Demmitt, PA)  
 6085 0250 DW, GG, Singing, OM gave stock market report, tlk to E+W Nam + Cam (555; 10/29. Hesch, NY)(0039; 333; 11/11. Thompson, CA)  
 6175 0320 BBC, EE, Item on street violence in the U.S., report on Count Dracula (444; 11/1. Krist, VA)(Did you hear the one about the vampire who went to the blood bank to make a withdrawal. . . you did, huh? ch)  
 6195 1225 BBC, EE, Anything Goes, Horse Race in progress. Willision won over Anderson by a nose. This was a 1945 tape. (Oh, gee, you mean I didn't win! ch)(444; 11/28 Demmitt, PA)  
 9510 0515 BBC, Talks on British Television industry and feeding enriched worms to pigs (Well, I hope I never get fed such enriched pigs. ch)(444; 11/21. Demmitt, PA)  
 9545 0520 DW, EE, OM w/ report on world's water problems and water pollution (433; 11/15. Traver, CA)

BELIZE/ -- Radio Belize

- 3285 0135 EE, OM, coming events at Copacabana, boxing, etc. Phone #s, TCs, mx, TCs were in CST (433; 11/14. Forbes, TX)(0334; talk about automatic light switch for cars, 423; 11/18. Jones, MS)(0330; 222; 11/13. Manning, NM)

CANADA/

- 5960 0100 RCI, EE, nx: SWL Digest (I liked DX Digest better. ch) (555; 11/30. Demmitt, PA)+2  
 6005 0700 CFCX, Montréal, EE, nx, wx around Montreal, ID, talk and callin show named 'Nighthawk' (243; 11/28. Heller, WA)  
 6030 0730 CFVP, Calgary, EE, mx, nx, (221; 11/10. Speer, GA)(0845; covered by carrier @0845 after ID; 222; 11/16. Sams, AR)  
 6080 0835 CKWX, Vancouver, EE, Willie Nelson mx, ID, lots of QSB (222; 11/16. Sams, AR)(0909; 322; 11/12. Lucas, CA)(0753; 232; 11/25. Wilkins, CO)  
 6140 0624 RCI, EE, nx, wx, hockey results (333; 11/27. Grenier, CA)  
 6160 1046 CKZN, St. Johns, EE, 300 W, CBC nx, wx, (5' in St. Johns), TC, many ments. of St. Johns in nx (333; 11/16. D'Angelo, PA)(1031; in the clear w/ good signal; 333; 11/15. Newton, GA)(1100; "Morning Show"; 333; 11/16. Streeter, NY)(1110 333; 11/29. Raymond, MA)  
 6160 0813 CKZU, Vancouver, EE, YL w/ FF mx, no ID until 0904 s/off w/ "CBC, CBU, CKZU" S/on "10 to 6." (333; 11/12. Lucas, CA)(0749; 232; Speer, CA) ble, CA)  
 9535 0049 RCI, Scientific World px, lots of fade and RTTY QRM; 0059\* (323; 12/2. Sa- /  
 9625 0500 CBCNQSWS, EE, nx: snowstorm and power failure in Canada, sx, song: Picking Up Strangers." (544; 11/21. Demmitt, PA)+2  
 11770 0346 RCI, FF, OM w/ cmt; (433; 11/15. Traver, CA)+1 /// Grijalva, AZ)  
 11845 0200 RCI, EE, nx, mailbag px w/ Gordon Redding; Diane had the flu (gd; 11/30./  
 11850 2320 RCI, World @6: buried emergency food caches in remote areas are being stolen by the very people they're supposed to protect (555; 11/21. Demmitt, PA)+2 (Let them eat polar bear. ch)  
 11905 2017 RCI, EE, talks on farming in Canada, mx (?; 11/19. Duguay, MA)  
 11945 2215 RCI, EE, national/world nx (232; 10/11??; Cubitt, ON)  
 15150 2100 RCI, FF, mx, C+W mx (?; 11/29. Duguay, MA)  
 15260 2200 RCI, EE, SWL Digest (444; 11/28. Langlois, GA)  
 15325 2145 RCI, EE, SWL Digest to Africa w/ gh reports (545; 11/28. Binau, MD)+1  
 17820 1600 RCI, EE, CBC nx & Sunday Morning (222; 11/29. Grenier, CA)+2  
 17875 1942 RCI, EE, SWLD, cmt on joint px, Larry Magne's interview with Perry Ferrell, (544; 11/8. Claytor, MI)+3  
 21695 1657 RCI, EE, OM nx, wx, YL ID (544; 11/11. Jamieson, CA)

COSTA RICA/

- 4832 0715 R. Reloj, OM ID, another OM w/ nx briefs, LAm mx, TCs (433; 11/10. Thompson, CA)+4  
 5055 0250 Faro del Caribe, SS into EE @0300, list of fqys, "Words of Hope," (333; 11/19. Stone, ON)+3  
 5954 1037 R. Casino, TIQ, ID, TC, patriotic slogan, ranchera mx (433; 11/21. Jones, MS)  
 6006 0730 R. Reloj, OM w/ ID, TC after each song (333; 10/8. Ross, ON) Jones, MS)  
 6010 0232 R. Reloj, nx, moving around? Not on 49 mb anywhere @1000 check (444; 11/20./  
 6035 0227 R. Nacional, sounded like a political rally, speeches, applause, side cmt, etc. ID as "R. Nacional de Costa Rica," (333; 11/20. Jones, MS) Jones, MS)  
 6078 0221 R. Rumbo, "Rumbo Noticias," OM+YL alternating with nx items (433; 11/20. // Manning, NM)

CUBA/

- 6060 1143 RHC, FF, OM ancr w/ nx, ID @1150 (554; 11/14. Hesch, NY)(2302; 333; 11/3; //  
 9550 1458 RHC, mx, OM w/ ID, talk, fqys (333; 11/1. Kanopka, NY)  
 9600 1200 RMWS, EE, nx, interesting how a regular RM listener could almost predict what would be said next. (There can't be too many regular RM listeners, though. ch)(444; 11/26. Demmitt, PA)

WILL CONTINUE WITH MORE W/H ON THE NEXT PAGE. ONLY TWO MORE TO GO.

CUBA -- (CONTINUED)

- 10000 0209 RM NAM Svce; EE, they must be doing this deliberately (Not necessarily -- they are probably just incompetent. ch) NAM Svce was announced. (555; 11/13. Palmer, WA) (0438; no het so exactly 10000; 333; 11/13. Huffaker, Mexico)
- 11760 1400 RHC, unknown but whatever it was, they don't like us (?; 11/20. Duguay, MA) (1530; 444; 11/21. Langlois, CA)+4 inger, TX)
- 11840 1420 RM, EE, nx, cmt, IDs, folk mx (454; 11/11. Viau, PQ)(1700; 443; 11/22. Schles-
- 11860 1800 RMWS, EE, here all day with a 555 SIO, making Saudi Arabia on 11856 impossible (11/7. Kanopka, NY) 11/14. Erickson, CT)
- 11930 0405 RHC, EE, mx, px on U.S. economy, general anti-U.S. pro-Soviet bull (455; //
- 15230 0450 RHC, OM, interviewing a composer or musician (433; 11/4. Stone, ON)
- 17750 \*2050 RHC, EE, "Spotlight on LAm, The Land of Music," (342; 11/28. Fraser, MA)

DOMINICAN REPUBLIC -- R. Clarín

- 11700 0015 OM w/ talks, Reagan mentioned, fine Cuban-type mx, ID @0030 (333; 11/19. Hotaling, NV)

EL SALVADOR -- R. Nacional de El Salvador

- 5980 0420 LAm mx, seemed heavily laced with propaganda; fqy clear but BBC on 5975 troublesome (332; 11/28. Jones, MS)(0429; 322; 11/25. Hotaling, NV)
- 9553 0320 OM w/ definite ID, U.S. '50's pop mx (fr/pr; 11/21. Zavatsky, CT)

GRENADE -- FRG

- 15045 2140 EE, "Powerline" via Southern Baptist Convention, Texas. AS PER REPLY TO REPORT, THEY DO NOT QSL ON BEHALF OF RADIO FREE GRENADA!!! IRC's & MS RETURNED. (444; 11/16. Witte, CA)(2328; 333; 11/10. Thompson, CA)(2223; amnt re militia & defending the revolution; 343; 12/6. Beilke, KS)(0027; emotional "live" speech by OM on efforts to open a new airport, and some elements' efforts to block it. Frequent applause in the background. At 0028, patriotic song by chorus, amnt by YL, as "R. Free Grenada, the Voice of the Revolution," times & fqys of xmission, and off 0031\*. Good level, but QSB (322; 11/24. Cunningham, OH)+10

GUATEMALA

- 3300 0418 R. Cultural, EE, "New Life" px (252; 11/26. Ruckman, OH)+2
- 3325 1108 R. Maya de Barillas, rel. px. in an Indian language, followed by local rel. mx (333; 11/25. Schlesinger, TX)
- 4825 0945 R. Mam, local mx, ID, talk by OM. Heavy QRM (222; 11/27. Alexander, PA)
- 4835 0226 R. Tezulutlán, continuous talking, IDs, talk over light music @0230, 0231\* abruptly (333; 11/10. Beilke, KS)+3

HAITI -- R. 4VEH

- 9770 1130 EE, ID, religious px & mx, (333; 11/26. Williams, MN)
- 11835 2315 EE, OM w/ ID: "1035 on your radio dial," rel. px (323; 11/18. Berri, CA)

HONDURAS

- 3250 0136 R. Luz y Vida, series of LAm ballads to ID @0149, badly hetted and fading (332; 11/15. Schlesinger, TX)(3251; 0135; pr; 11/21. Zavatsky, CT)
- 4781 1101 R. Juticalpa, Ranchera mx, ads, 1120-34+ political px (ID, anyone??? ch) (222; 11/17. Wilkins, CO)
- 4820 0300 LV Evangélica, HRVC, EE, "Through the Bible," IDs, vocals, orchestral mx, Bible message, Songs in the Night, (454; 11/13. Thompson, NM)(0400; Sermon: "Not Rich but Happy" (Is that possible?? ch); 444; 11/2. Harvey, PQ)(0405; 323; 11/16. Witte, CA)(0325; pr; 11/20. Zavatsky, CT)(0345; 333; 11/2. Kanopka, NY)
- 4890 0000 R. Lux, election returns, politicians, and mx w/ an occasional ID (443; 11/30. Huffaker, MEXICO)(0125; 333; 11/28. Harvey, PQ)(0228; "música nacional e internacional"; 454; 12/6. Jones, MS)(0225; IDs as "R. Lux, La Internacional," 322; 11/27. Streeter, NY)
- 4910 0114 LV de la Mosquitia, EE/SS, OM w/ sermon in EE. !0117, ID simply as "HRXK" w/ fqy, hymn by OM, and into px of U.S. pop+country mx, hosted by same OM ancr in SS. IDs after each song, again as "HRXK," w/ no reference to "LV de la Mosquitia." Much improved level now, with none of the usual ute acticity (333; 11/5. Cunningham, OH)(0004; gd; 11/30. Parks, FL)(0106; 323; 11/13. D'Angelo, PA)(0103; OM w/ EE sermon from Pasadena, CA: "The Jim Barber Show" or similar. 0200\*; 232; 11/20. Streeter, NY)

MEXICO

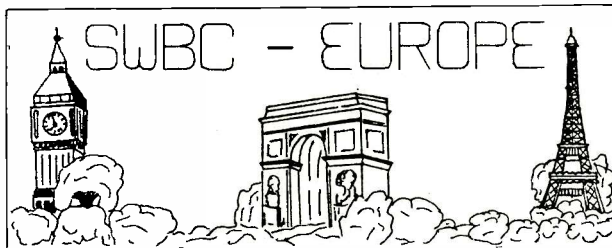
- 2390 \*1205 R. Huayacocotla, s/on weekdays, local Mexican country mx px, (544; 11/11. Murff, NM)(0006; 332; 11/11. Schlesinger, TX)
- 6115 1511 R. Universidad de Sonora, martial mx w/ OM into EZL mx @1528. IDs. (232; 11/11. Schlesinger, TX)(0115; 444; 11/19. Hotaling, NV)(1545; 343; 11/14. Thompson,
- 6185 0921 R. Educación, symphony mx (443; 12/8. Jones, MS)(1308; 11/11. // son, NM) 212; Schlesinger, TX)
- 9600 1935 R. Universidad de Mexico, found while looking for Renasença, w/ OM tlc to ID @1042, intro to a lecture on "música de camera," (chamber mx)(332; 11/11. Schlesinger, TX)

MONTERRAT -- DW

- 11705 1120 YL, OM w/ talk, ID, (444; 11/13. Hotaling, NV)







# SWBC - EUROPE

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

Christmas and New Year is over so I hope Santa brought everyone what they wanted or needed, or both. We have 85 reporters this month and a flood of loggings again. Before I waste anymore lines heres Albania.

<u>ALBANIA</u>		R.Gjirokaster	R.Tirana
5057	0130	RG: AL-Gypsy mx to 0500, nx pgm.(333 11/12 Wilkins-GO)(Wilknr-FL)(Earhart)	
6200	0353	RT: EE-YL talks about Communism in Europe.(444 11/25 Binaw-MD)	
7065	0025	RT: EE-YL w/freq & sked, anthem.(434 11/26 Beeman-GH)(Cubitt-ONT)	
7120	0240	RT: EE-YL w/general talk about Albania.(423 11/18 Berri-CA)(Speer-CA)(Krist)	
7300	0330	RT: EE-Reading congratulatory messages to Albania.(444 12/5 Streeter-NY)(+ 2)	
7310	0345	RT: EE-Pgm on Nuclear Missles & pgm sked.(323 11/14 Erickson-CT)(Miller-CA)	
9480	2200	RT: EE-the glories of Socialism in Albania.(433 11/8 Stone-ONT)	
9500	*2230	RT: FF-OM w/s-on, ID, Nx, & Mx.(343 11/26 Heller-WA)	
9790	0100	RT: SS-IDs & talks in Spanish.(322 11/13 Miller-CA)	
10510	0517	RT: CC-CM w/talks in CC, beam to So. Asia.(444 10/18 Ross-ONT)	
11895	1359	RT: EE-Nx pgm, mx "Tirana Was Liberated".(543 11/16 Tait-Australia)	
25285	1426	RG: AL-Harmonic of 5057, OM w/talks, mx, & IDs.(433 G. Raymond-MA)	

<u>AUSTRIA</u>		Osterreichischer Rundfunk
9770	0130	CRF: EE-OM w/ID, "Letter From Austria" "P.O. Box 700".(545 11/30 Lewallyn-GA)(Earhart-PA)(Ruckman-GH)
11665	0112	CRF: SS-255 degrees to So. Amer.(12/12 Munster-GA)(Hotaling-NV)
12015	0433	CRF: EE-OM/leader of opposition party estimates that 20% won't vote.(232 11/15 Traver-CA)(Smith-FL)(Forbes-TX)(Munster-GA)
12050	0355	CRF: GG-IS, ID, freq-sked, & nx.(332 11/1 Smith-FL)
15560	1830	CRF: EE-Nx & cmtry.(242 12/2 Zilmer-NM)(no-name)
17745	0430	CRF: EE-OM w/ID, "Austrian Radio Panarama".(434 11/2 Fortmann-IL)

<u>BELGIUM</u>		Belgische Radio en Televisie
9515	0052	BRT: YL reads a story about a Finnish speaking University.(333 11/11 Olsn-CA)(432 11/9 Byron-NY)
9870	2245	BRT: Very good from first day on new OOB freq w/EE @ 0015-0100. Certainly an improvement over 9515, co-channel Greece, checks in OK showed reception much worse, but perhaps that is to be expected this time of year.(Hauser-TJ&OK)(444 11/24 Carlsson-WA)(Krist-VA)(Alexander-PA)(Beilke-KS)
11695	0015	BRT: EE-Brussels Calling w/election results & Afro nx.(323 11/10 Manning-NM)(343 11/17 Ray-PA)(11/16 Smith-FL)
17595	*1705	BRT: EE-Mailbag pgm, pgm on comic strips in Belgium.(454 11/28 Krist-VA)(Zilmer-NM)(Berri-CA)
21810	1620	BRT: EE/DD-IS, s/on, beam to Africa.(333 Ross-ONT)
21820	1335	BRT: EE-News & Press Review.(253 11/18 Tait-Australia)

<u>BULGARIA</u>		R.Sofia	R.Moscow
7115	2130	RS: EE-OM w/freq-sked, YL w/nx pgm.(433 11/7 Kanopka-NY)(Fortmann-IL)	
7670	0430	Stolnik: BG-This is a home service tx w/rock mx.(333 11/15 Sams-AR)	
9665	2252	RS: EE-Mailbag, Hobby Time, & a DX pgm.(544 11/22 Sluz-IL)(Stone-ONT)	
9700	0145	RS: EE-DX pgm, talk about Ham contest, talk on the Bulliten of the Southern DX Association.(323 Smith-FL)(Miller-CA)(Speer-CA)(Cubitt-ONT)	
11720	2130	RS: EE-Nx prm, cmtry, & DX nx.(322 11/25 Zilmer-NM)	
11750	0431	RS: EE-OM & YL w/nx cmtry about Britain.(322 Mountain-RC)(Ross-ONT)	
11765	0732	RS: EE-OM & YL w/nx pgm.(333 11/4 Ross-ONT)	
11800	2235	RS: EE-ID, Nx, & cmtry.(343 11/9 Huffaker-Mexico)	
11880	0200	RS: SS-IS, ID, freqs by OM & YL.(433 11/10 Davidson-SG)	
15110	2220	RS: EE-Pgm on Bulgarian history, mx, & ID.(332 Smith-FL)	
15135	0550	RM: RR-Beautiful classical mx, OM & YL w/talks.(544 11/29 Thompson-CA)	
15160	0730	RS: EE-Nx, cmtry on Brezhnevs visit to Germany.(132 11/25 Tait-Australia)	
17010	0000	RS: EE-Mx pgm, talk on Bulgarian mx & history.(444 11/1 Smith-FL)	

KILL TIME BY WORKING IT TO DEATH

CZECHOSLOVAKIA R.Prague

5930 0335 RP: EE-Talk on a Czech pop singer, songs.(444 11/1 Krist-VA)  
 7345 0330 RP: EE-OM w/report on Western Euro peace demos.(444 11/28 Coleman-MA) + 9  
 7355 0305 RP: EE-OM w/nx, mx, & "Topics of the Day".(454 Mountain-BC)  
 9505 0747 RP: EE-Nx, mx, under Japan at 0755.(333 11/15 Huffaker-Mexico)  
 11855 0907 RP: EE-Pop mx pgm, details of contest.(454 11/14 Krist-VA)(Munster-GA)  
 11990 0137 RP: EE-New pgm of mx "Join George".(444 11/8 Harvey-QWE)(Johnson-IL) + 6  
 15110 1430 RP: EE-Nx, cmtry, & listeners letters.(322 11/18 Zilmer-NM)  
 17440 \*1630 RP: AA-OM with s/on, nx pgm, & instru mx pgm.(343 11/17 Thompson-CA)

DENMARK R.Denmark

15165 1756 RD: EE-nx, EE ID, s/off @ 1803.(354 11/30 Povsic-FL)

FINLAND R.Finland

15400 1445 RF: EE-"Northern Report" talk on satellite tx.(333 11/26 Picarelli-CA)  
 21475 1215 RF: EE-OM w/ID, mx, new freqs, "Fresh Air".(554 11/3 Hesch-NY)(Boone-TX)  
 (333 Smith-FL)(333 11/14 Picarelli-CA)

FRANCE Radio France Intl

15100 1750 RFI: EE-OM w/sports nx, IDs, freqs, FF @ 1800.(433 11/9 Hotaling-NV)  
 15200 1727 RFI: EE-PO Box 9516 saying "Remember listeners we answer every letter we receive".(343 11/15 Olson-CA)(333 11/17 Thompson-CA) I'm not going to say that they do not answer every letter but its hard to believe... cheers  
 15300 0530 RFI: FF-OM w/ID, wld nx & political cmtry.(544 Fortmann-IL)  
 17795 0512 RFI: FF-OM & YL mentions President Mitterand, nx about the Columbia.(444 11/15 Traver-CA)  
 17850 1702 RFI: EE-Afro nx, IDs, mx, FF ID @ 1730.(433 12/4 Miller-CA)(Olson-CA)  
 17860 1715 RFI: EE-Nx pgm, "Spotlight From Africa".(222 12/5 McKinney-PA)  
 21515 1749 RFI: EE-OM w/listeners letters, clear but weak.(343 11/26 Johnson-IL)(Ross)  
 21595 1700 RFI: FF-Mx & short talks, s/off @ 1710.(11/7 Dugway-MA)  
 21620 1730 RFI: EE-Paris Calling Africa & Mailbag pgm.(333 11/29 Picarelli-CA)(Hahn-CA)  
 25820 1635 RFI: FF-OM & YL w/talks & short mx intervals.(333 11/14 Hotaling-NV) + 4  
 25900 1509 RFI: FF-Instru mx, IS, IDs.(444 Ross-ONT)(355 11/15 Davidson-SC)

GERMAN DEMOCRATIC REPUBLIC R.Berlin Intl

5955 0545 RBI: GG-YL w/ID & talk about armaments.(322 11/11 Munster-GA)  
 9620 2200 RBI: EE-Cmtry on ship building.(342 11/18 Fraser-MA)  
 11890 0715 RBI: EE-YL & OM w/a talk about trade unions.(444 11/27 Fortmann-IL) + 7  
 11960 0522 RBI: EE/GG-Freqs, ID, nx in GG.(242 11/11 Munster-GA)  
 11975 0110 RBI: EE-Cmtry on Berlin, Mailbag, mx pgm, & ID.(333 11/9 Smith-FL)( + 4  
 21465 1408 RBI: EE-Information in brief.(322 11/27 Zilmer-NM)

GERMAN FEDERAL REPUBLIC Deutsche Welle R.Suoboda R.Liberty

3995 2308 DW: GG-nice signal, DW ID & freqs.(333 11/27 Sams-AR)(Hesch-NY)  
 5150 2005 DW: EE-Panel disc of Brezhnev's visit. QRMed.(422 11/22 Schlesinger-TX)  
 5960 0458 DW: EE-OM w/ID, IS, & mx pgm.(333 Ross-ONT)(555 11/5 Manning-NM)  
 6085 0110 DW: EE-Cmtry on Reagans speech on Disarmament.(433 11/21 Ruckman-OH)  
 9565 0111 DW: EE-Mx pgm, cmtry, nx pgm.(353 Smith-FL)(344 Cubitt-ONT)  
 9690 0458 DW: EE-OM w/ID, freqs, nx, & cmtrys.(545 11/12 Marshall-AZ)(Traver-CA)  
 11850 0939 DW: EE-DX pgm, HAP report, freq changes.(433 11/21 Kanopka-NY)  
 14430 0600 R.Suoboda: YL w/tx & clear ID.(333 11/17 Sams-AR) 2 X 7215  
 15150 2006 DW: EE-OM w/talk on job sharing, ID, beam to W.Africa.(232 11/11 Palmer-WA)  
 15275 2228 DW: GG-EZL mx pgm w/"Silver Threads Among the Gold", ID.(433 11/2 Hesch-NY)  
 15355 1810 DW: GG-OM w/IDs, talks, & some mx.(433 11/9 Hotaling-NV)  
 17705 2400 DW: EE-OM w/a classical mx pgm.(444 11/4 Langlois-CA)  
 21600 1930 DW: GG-OM w/mx pgm, nx, IDs.(454 11/21 Forbes-TX)  
 25690 1633 RL: RR-Nx in RR, mx between nx items.(444 Ross-ONT)(Hotaling-NV)

GREECE Voice of Greece Voice of America

9515 0300 VOG: GK-Continuous enjoyable Greek mx.(433 11/23 Stone-ONT)  
 9615 0335 VOG: EE/GK-OM w/nx, ID, freq & sked.(444 Ross-ONT)  
 9685 1925 VOG: EE-Pgm of wld nx.(333 Cubitt-ONT)  
 11730 0448 VOG: EE-YL w/ID, mx pgm, & nx.(444 Mountain-BC)(Kerrigan-IL)(Hahn-CA) + 8  
 11840 0744 VOA: EE-IS, ID, freqs, nx items, beam to Africa.(444 11/4 Ross-ONT)  
 15205 1401 VOA: EE-OM w/ID & nx pgm.(333 Povsic-FL)  
 17885 0027 VOA: EE-Mx item on Haitian refugees.(454 11/1 Krist-VA)  
 21520 1554 VOA: SS-Mx, ID, Yankee Doodle IS, OM & YL annc.(333 Ross-ONT)

HUNGARY R.Budapest

8110 2127 RB: EE-Mx pgm, ID, IS, off then back on.(333 11/7 Kanopka-NY)  
 9585 0200 RB: EE-Nx, cmtry. talk on Democratic youth.(343 11/1 Smith-FL)  
 9835 0202 RB: EE-OM & YL w/nx & cmtrys, IDs.(222 11/15 Pfeiffer-NY)(Lewallyn-BA) + 6  
 9859 0217 RB: EE-ID, mx pgm, anthem, more IDs.(322 Smith-FL)

HUNGARY (continued)

11900 0300 RB: EE-ID, nx pgm, talk on disarmament.(433 11/1 Smith-FL)  
 11910 0403 RB: EE-CM w/DX show.(333 11/14 Pfeffer-NY)  
 15160 2230 RB: HH-Talk on ancient history of Kings.(554 11/3 Byron-NY)  
 15220 0200 RB: EE-Nx, cmtry on David Stockman, ID. (353 11/15 Krist-VA)  
 17710 0123 RB: EE-YL w/a beggars opera.(455 11/4 Johnson-IL)(353 11/1 Krist-VA)

ICELAND Icelandic State Broadcasting Service

13797 1927 TSBS: IC-CM w/long talk, mx pgm, QRMed.(333 11/15 Fisher-MA)(242 11/27 Heller-WA)(454 11/21 Wilkner-FL)(223 11/14 Schlesinger-TX)(333 11/21 Harvey-QUE)

IRELAND R.Dublin So. Dublin Radio Westside Radio

6240 0610 SDR: EE-Amer rock mx, have their QTH.(232 11/29 Ray-PA)(333 11/24 Fisher-MA)  
 (343 11/29 Streeter-NY)(222 //129 Alexander-PA)(Berg-MA)  
 6280 0800 WR: EE-CM w/IDs, address, s/off @ 0803.(242 11/29 Streeter-NY) (222 11/29 Alexander-PA)  
 6910 0831 RD: EE-Rock mx pgm, phone-in contest.(353 11/27 Krist-VA)(434 Raymond-MA)  
 (252 11/14 Viau-QUE)

ITALY Radiotelevisione Italiana Station Experimental

7390 0520 SE: EE/II-CM w/ID, address, Euro pop & rock mx.(232 11/15 Newton-GA)(Fisher-MA)(Streeter-NY)  
 9575 0100 RAT: EE-YL w/nx pgm, mx, & freq-shed.(532 11/18 Clayton-MI)(Johnson-IL)  
 9710 0535 RAT: AA-IS & then into charting, QRMed.(444 12/3 Munster-GA)  
 11800 \*0100 RAT: IS. 20 min of non-stop mx, no speech.(444 11/21 Fraser-MA)  
 21560 1837 RAT: II-CM w/mx, nx, ID, IS, s/off.(555 11/12 Jamieson-CA)(Hotaling-NV)

LUXEMBOURG R.Luxembourg

6090 0600 RL: GG-Pop mx, ads, nx, & traffic reports.(433 12/1 Murff-NM)(312 Beeman-OH)  
 (11/21 Dugway-MA)(444 11/9 Krist-VA)(544 G.Raymond-MA)(343 11/15 Pfeffer-NY)  
 (422 11/27 Forbes-TX)

MALTA Intl Christian Radio Radic Mediterran

9515 2115\* ICR: EE-"Thirty Minutes With Peter".(444 11/14 D'Angelo-PA)(Harvey-QUE)  
 (Schlesinger-TX)(Miller-GA)(Zilmer-NM)(Beilke-KS)  
 9650 0500 DW: EE-Nx, cmtry on Soviet trade.(433 11/21 Demmitt-PA)  
 9670 0705 RM: Listeners letters, nx, & mx.(444 11/14 Huffaker-MEX)(Streeter-NY)(Voss-GA)(Beilke-KS)  
 11865 0100 DW: EE-MX, talks about Americans in Germany.(11/10 Dugway-MA)  
 15105 0058 DW: EE-IS, IDs, freqs, nx, mx, & cmts.(444 12/1 Thompson-NM)(Hesch-NY)  
 (Dugway-MA)(Krist-VA)  
 21590 1244 DW: FN: Indonesian pgm, nx, & GG lessons.(343 11/16 Tait-Australia)

MONACO Trans World Radio

7275 0400 TWR: RR-Positive ID, IS, CM "You are listening to the following tx in RR.  
 (243 11/14 Erickson-CT)  
 9495 0730 TWR: EE-ID, "Knock & it will be opened unto you".(444 11/25 Picarelli-CA)  
 (Krist-VA)(Speer-CA)(Manning-NM)(Streeter-NY)(Ross-CT)

NETHERLANDS R.Nederland

5955 0720 EN: EE-Nx pgm, ID, IS, s/off.(222 11/1 Kanopka-NY)  
 11740 1430 RN: EE-CM w/history of Santa in Holland.(544 12/6 Valentine-CA)  
 11930 1330 RN: EE-Nx, cmtry on unemployment in Holland.(333 11/24 Zilmer-NM)  
 15560 1430 RN: EE-The Happy Station pgm.(343 11/29 Zilmer-NM)  
 17605 \*2030 EN: EE-Nx on "Newsreel", interview w/reporter.(454 11/28 Krist-VA)(Ruckman-CH)(Fraser-MA)  
 17700 2055 RN: EE-Happy Station pgm w/mx.(444 11/15 Smith-FL)  
 21685 2045 RN: EE-CM w/talk about Gambia, beam to Africa.(11/17 Berri-CA)

NORWAY R.Norway

11870 0159 RN: EE-ID, anthem, nx pgm, & mx.(433 11/9 Smith-FL)(Schlesinger-TX)(Clayton-IL)  
 11935 0416 RN: EE-YL & CM w/"Made in Norway".(322 11/23 Lucas-CA)(Mountain-PC)  
 15170 2207 RN: EE-Adjusted freq from 15175 for EE Sun 2200, noted 15/11 at 2207.(Hauser)  
 (323 11/29 Beeman-OH)  
 21655 1620 RN: NW/EE-YL w talks, ID, off @ 1630.(333 11/12 Hotaling-NV)  
 21700 1800 RN: EE-Nx & views, folk mx pgm.(232 11/29 Zilmer-NM)  
 21795 1500 RN: NW-IS, Nx, Mx, EE @ 1600.(242 11/29 Zilmer-NM)  
 25615 1515 RN: NW-Religious service "Radio Norway".(344 11/15 Davidson-SC)(Zilmer-NM)  
 25730 0415 RN: EE-Harmonica mx played from lip.(fair 11/8 Cox-LA)(Ross-CT)(Fraser-MA)

POLAND Radio Polonia

7125 \*2230 RP: EE-nx on "Panarama".(poer 11/12 Fraser-MA)(Kanopka-NY)  
 7270 2338 RP: EE-Concert mx w/CM & YL.(553 11/27 Hesch-NY)(Streeter-NY)(Munster-GA)  
 9675 0655 RP: EE-CM w/cmtry about disarmament.(342 11/27 Fortmann-IL)  
 15120 0200 RP: EE-IS, ID, CM w/nx & cmtrys.(433 12/5 Miller-CA)(Johnson-IL)(Ross-CT)

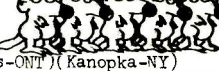
PORTUGAL R.Portugal R.Japan  
 6005 0100 RP: PP-IS, Chimes, mx pgm, YL ann. (533 11/19 Davidson-SC)(Speer-CA)  
 6025 2030 RP: EE-OM w/pgm of nx, beam to Europe. (353 11/14 D'Angelo-PA)  
 6155 \*0530 RP: EE-Nx pgm, talk of Socialist leaders meeting. (522 11/30 no-name)  
 11825 2150 RFE EE-I check whenever I can get to a receiver, Fridays 2150-2200 for RFEs  
 Czech service cnty in EE. 13/11, this was the best freq, 27/11 in OK I heard  
 Czech only on this freq. What has happened? The EE has been reported as ex-  
 perimental, and another unconfirmed report says each of the 5 language sec-  
 tions at RFE has a similar weekly EE segment. (Hauser-TN)  
 11925 0300 RP: EE-Nx pgm, mx, sports talk. (545 12/5 Averill-MA)(Smith-FL)(Ray-PA) + 7  
 11950 \*2200 RJ: EE/JJ-Light mx, tx problems, ID & explanation every 3 min. (454 D'Angelo-PA  
 17880 \*1700 RP: EE-IS, Anthem, YL w/pgm of nx. (422 12/1 Palmer-WA)  
 21720 1345 RFE: CK-Diana Ross singing. very little jamming. (232 12/1 Zilmer-NM)

ROMANIA R.Bucharest  
 5990 0100 RB: EE-CM w/ID, nx, report on Romanian economy. (423 11/28 Coleman-MA)  
 6155 0200 RB: EE-Nx pgm, talk on "SART" . (333 12/5 Streeter-NY)  
 11840 0200 RB: EE-Nx about Romania. (343 11/2 Krist-VA)

SPAIN Radio Exterior de Espana  
 9630 0030 REE: EE-Mat nx, mx, ID, sports talk. (454 11/15 Smith-FL)(Clson-CA)(Ross-ONT)  
 9765 2030 REE: EE-ID, & CM w/pgm of nx. (333 11/26 Ray-PA)  
 11775 0440 REE: SS-ID, OM & YL w/cmts, mx pgm. (333 11/30 Miller-CA)  
 11840 1910 RFE: EE-Spanish nx headlines, and weather report. (232 Cubitt-ONT)  
 11880 0012 REE: EE-Cmtry on the way of life in Spain. (11/10 Dugway-MA)(Mountain-BC) + 8  
 15125 2040 REE: SS-OM w/interview, YL w/ID, SS mx. (454 11/22 Heller-WA)(Miller-CA)  
 15190 1715 REE: SS-OM w/a soccer game, & ID. (333 11/18 Hotaling-NV)  
 15365 0254 REE: SS-YL & CM w/ID & Mx pgm. (333 11/12 Jamieson-CA)  
 15375 1825 REE: SS-YL & CM w/mx pgm, ID, & talks. (322 11/9 Hotaling-NV)

SWEDEN R.Sweden International  
 9615 2300 RS: EE-Talk on a major storm, SWDXers # 1658. (333 11/3 Krist-VA)  
 9695 0235 RS: EE-OM w/cntry on the Swedish military. (333 Ross-ONT)(Earhart-PA) +4  
 11705 0232 RSI: EE-CM w/nx & cntrys, talk on unwelcome tourism. (433 11/13 Pfeffer-NY)  
 (Ruckmah-CH)(Krist-VA)(Streeter-NY)(Mountain-BC)(Earhart-PA)  
 17840 0300 RSI: EE-SRTs unannounced SSB freq used in EE only at 0230, can be much better  
 than QRME //s of 11705 & 9695, as was the case 28/11 at 0300 when the freq  
 stayed on in RR contrary to published sked. (Hauser-TN)  
 21615 1401 RSI: EE-10/31 Sat Show" /mx, & comedy including much humorous talk about submarines  
 (554 10/31 Hesch-NY)(Beeman-CH)(Byron-NY)

SWITZERLAND Swiss Radio Intl  
 3985 0657 SRI: EE-Mx & IDs, beam to Europe. (333 11/18 Kanopka-NY)  
 6135 0140 SRI: EE-IS, ID, nx pgm, talk on demos in W.Europe. (433 11/22 Demmitt-CA)  
 6165 0700 SRI: EE-Nx, "Saturday Grapevine" talk show. (11/7 Koehler-IL)(Picarelli-CA)  
 9535 1125 SRI: EE-The 2 Bobs w/SSWGR, IDs. (454 11/14 Hesch-NY)(Smith-FL)(Ross-ONT)  
 9725 0145 SRI: EE-YL/CM w/nx on Dateline Monday, mx, & s/off. (554 12/1 Claytor-MI)  
 (Fraser-MA)(Smith-FL)(Forbes-TX)(Thompson-NM)  
 11715 0435 SRI: EE-OM w/talk about Polish refugees in Austria. (444 11/13 Kerrigan-IL)  
 (Smith-FL)(Krist-VA)(Ruckmah-CH)(Jahn-CA)(Johnson-IL)(Earhart-PA)  
 15305 0145 SRI: EE-Nx pgm, "Balance Sheet" talk on Swiss industry. (444 11/2 Krist-VA) + 7  
 17830 1530 SRI: EE-ID, mx, YL w/pgm previews. (434 11/8 Miller-CA)  
 21570 1325 SRI: EE-"The Great Saturday Grapevine" w/OM ann. (554 11/21 Hesch-NY)

UNITED KINGDOM BBC VOA   
 3955 0659 BBC: ??-ID, no other details. (222 11/18 Kanopka-NY)  
 3975 0654 BBC: EE-Drama in progress, ID, ham QR. (333 11/24 Ross-ONT)(Kanopka-NY)  
 5975 0435 BBC: EE-A talk for SWIs on meters & kHz. (454 11/13 Earhart-PA)  
 5990 0600 BBC: EE-Wld nx, nx of Sadat assassination. (333 Ross-ONT)  
 6080 0600 VOA: EE-Nx on the "Safari" show. (444 11/13 Krist-VA)  
 6120 0235 BBC: EE-CM w/pgm on Egypt & its future. (444 11/5 Kerrigan-IL)(Dugway-MA)  
 6175 0150 BBC: EE-The BBCs wld nx, and Reveiw of the British Press. (11/26 McCants-LA)  
 6195 1423 BBC: EE-Mx pgm w/John Galloway. (444 Manning-NM)  
 7325 0200 BBC: EE-IDs, wld nx, pgm of piano mx. (454 11/29 Thompson-NM)(Clson-CA)  
 9410 0310 BBC: EE-Nx pgm, Remembrance Day in Britain. (333 11/9 Smith-FL)(Streeter-NY)  
 9510 1315 BBC: EE-Talk on Poland, nx pgm. (11/16 Dugway-MA)  
 9830 0228 BBC: EE-IS, ID, Nx pgm. (222 11/8 Smith-FL)  
 9915 2110 BBC: FF-French pgm, attacked by CWS, no India. (rats) (Schlesinger-TX)  
 11720 1545 BBC: EE-Comedy play. I wonder who writes their stuff? (11/21 Dugway-MA)  
 12095 1805 BBC: EE-Pgm of news. (334 Cubitt-ONT)  
 15070 1452 BBC: EE-CM & YL w/cntrys & nx. (12/5 Cuppy-IN)(Sable-CA)(Langlois-GA)(Ross)  
 15215 1300 BBC: EE-Nx & talks on Arms race. (11/8 Dugway-MA)  
 15260 2310 BBC: EE-The World Today w/a talk on Veitnam. (444 11/23 Brown-NE)  
 15360 0330 BBC: EE-A pgm of African nx. (444 12/3 Brown-NE)

UNITED KINGDOM/ (continued)

17695	1728	BFC: EE-Nx pgm, JRM from Cuba.(343 11/26 Olson-CA)
17790	1130	BFC: EE-Wld service nx, listeners letters.(11/8 Dugway-MA)
21470	1600	BBC: EE-Nx & sports talk, signal fading.(11/28 Dugway-MA)
21715	1615	BFC: EE-A cricket game with Scotland, nx.(11/28 Dugway-MA)
25650	1430	BBC: EE-Radio Newsreel, freq closes @ 1515.(11/8 Fraser-MA)(Ross-CNT) + 2
26650	1215	BBC: EE-Big Ben chimes, Anything Goes mx pgm.(333 11/21 Demmitt-PA)

<u>U</u>	<u>S</u>	<u>S</u>	<u>R</u>	R.Moscow	R.Baku	R.Kiev	R.Peace & Progress	R.Tashkent	R.Vilnius
4785	0440			RB: RR Wilkner-FL)			11735	1545	RM (Langlois-GA)
5900	1400			RM: EE (Williams-MN)			11785	1210	RT (G.Raymond-MA)
5920	0458			RM: EE (Earhart-PA)			11840	1537	RM (Beeman-CH)
5960	2255			RM: SS Parks-FL)			11860	2057	RM (Berri-CA)
7115	0213			RM: EE Olson-CA)			11880	0030	RK (Langlois-GA)
7150	0320			RM: EE (Demmitt-PA) + 3			12010	1719	RM (Grijalva-AZ) + 3
7165	0327			RK: EE (Mountain-BC)			12030	2005	RM (Cubitt-ONT)
7195	0704			RM: EE (Ross-CNT)			12070	1423	RM (Wilkner-FL)
7205	0320			RK: EE (Ray-PA)			13870	0031	RK (Povsic-FL)
7360	0020			RP&P: SS (Parks-FL)			14300	0030	RK (Stone-CNT)
7440	0226			RM: EE (Lewallyn-GA) + 4			15100	0056	RK (Johnson-IL) + 1
9490	0315			RP&P: SS (Hotaling-NV)			15150	1350	RM: (Hesch-NY)
9520	0022			RP&P: SS (Krist-VA)			15240	0300	RK (Latko-CH)
9540	1200			RT: EE (Krist-VA)			15430	1957	RM (Mountain-BC)
9610	0020			RM: EE (Smith-FL) + 3			15455	0055	RM (Forbes-TX) + 4
9625	1059			RP&P: CC (Hotaling-NV)			17720	0230	RM (Lewallyn-GA)
9685	2300			RM: EE (McKinney-PA) + 7			17810	1210	RM (Dugway-MA)
9750	0400			RM: EE (Hesch-NY) + 2			17870	2311	RV (Huffaker-MEX) + 3
9800	0345			RM: (Valentine-CA) + 3			21530	0345	RM (Earhart-PA)
11630	0335			RM: SS (Hotaling-NV)					

VATICAN STATE/ Vatican Radio

6015	0105	VR: EE-Talk about Angels and how we receive them.(434 12/8 Johnson-IL)
9615	0630	VR: EE/LT-Mass w/CM reading scripture.(545 11/27 Fortmann-IL)
6190	0545	VR: EE-Talk on responsibilities, ID, & s/off.(444 11/13 Krist-VA)
11810	1520	VR: ET-ID, talks on Amer mx.(544 11/7 Miller-CA)
11830	0200	VR: SS-IS, YL.(555 11/10 Davidson-SC)
11845	0100	VR: EE-IS, ID, mx pgm, relictus message.(433 11/22 Demmitt-PA)(Speer-CA)
15110	1500	VR: EE-talk on the Holy Fathers role in the Church.(333 11/28 Picarelli-CA) (333 12/2 Zilmer-NM)
15120	1530	VR: AA-Nx pgm in Arabic then an EE ID.(544 11/19 Atkins-WA)(Huffaker-MEX)

YUGOSLAVIA/ R.Yugoslavia

9620	2223	RY: EE-Nx reports & weather, mx pgm.(222 11/27 Moss-CA)(Fraser-MA)(Beeman-CH)(Stone-CNT)
15240	1540	RY: EE-Pgm of mx & IDs.(222 11/20 Atkins-WA)

I hope everyone approves of the two column format for the USSR. I have had 4 comments on it and all 4 were positive. If you disagree then by all means let me know about it. If you don't say anything I can only assume that you are in complete agreement with it.

The United States DX Association, that's the name of no, not another new club but what the Southern DX Association, the Association of Illinois DXers, and the Atlantic States DX Association is to become on January 1, 1982. As of that date which will be past by the time most of you read this these 3 clubs will merge to become USDXA. This merge is expected to be beneficial to the members of all three clubs. If you would like more information on this or a sample copy of their bulletin the address is as follows. United States DX Association, Box 888653, Atlanta, GA 30338. 50¢ is required for a sample bulletin.

I don't know what to think of the current misunderstandings of the Elite clubs. Actually I don't think that they willfully hold back hot DX tips. I think it is more of a problem of conveyance of these items. If you aren't a member of these clubs then how could you expect to get the info from them that's in their weekly or bi-weekly publication. I don't correspond with anyone who belongs to one of these clubs but I would be willing to bet that if you asked one of them a question about something (even something in their bulletin) they would be more than happy to answer you. As for myself I am 80% SWler and 20% Dxr. I only have 63 countries in my log book and only a paltry 21 verified so I could never expect to be a member of one even if I wanted too. My final comment on this matter is this, I think that we should have the utmost of respect for these clubs. By that I mean the same respect we have for a small regional club or the major national clubs.

Any comments/opinions on the Antenna column last month would be appreciated. I have been asked by more than one member if I am going to be a new Tech Topics editor. The answer to that is a definite no. Sandys column is valuable to the club. The Antenna column is meant to be a column for expression of membership antenna experiments. I know I asked that you not ask me technical questions and I realize that may be hard to do due to the nature of the column. The column is meant to be as non technical in nature as possible. Again I would be glad to have your opinions on it.

I wish to thank each of you for your support, 73s & Good Listening, Jerry

# SWBC DX

## AFRICA

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# FEBA

Seychelles



## Radio Television Kaduna

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

### MIXED RESULTS FOR THE "BY-TIME" SECTION

Last month's experiment with a hot tips section proved to yield only so-so results. Three persons indicated their approval with positive votes, but I also got a couple of negative comments, as well. In either case, this month's loggings do not include enough truly unusual loggings to warrant the hot tips section. To avoid duplication each month, we will do the hot tips section every three months or so. I would really like to see the club incorporate a master list "by time" every few months or so. I feel it can be a real aid to DXing.

### UGANDA SHOWING UP WELL AT 0300 GMT AGAIN

Several SPEEDXers have reported reception of Radio Uganda in the 0300-0400 slot on 15,325 kHz. Most report hearing a popular music program mixed with occasional EE IDs. Full details under "Uganda".

### INTERESTING RWANDA LOGGING

It's been a while since I've seen a logging for R. Rwanda on 6,055 kHz, but this month, Georgia DXer Andy Newton managed a log at 2000 GMT in EE and FF, and so did Florida's Robert Wilkner. If you haven't heard this one yet, give it a try.

### ...ABOUT THAT PEUGOT PRIZE ON AFRICA NUMBER ONE

Believe it or not, Africa Number One really did award that Peugeot to a lucky listener. Jerry Berg reports that a listener in Ivory Coast won the big prize. (Jerry Berg via SCDXers)

\*\*\*\*\*

### ALGERIA

9705 0730 RTV Algerienne; AA, chants, OM/YL in AA, 533 (Ross, Ont.)  
11740 1930 RTVA; FF, assorted mx selections, including "Autumn Leaves".  
local QRN. 323, 12/1 (Witte, CA)

### ANGOLA

5285 2340 R. Nacional; tnx to tip from Mitch Sams, hrd 11/10 with long pauses in slow speech, 2351, 2-way QRM. IDed by Sams, and Miki Vcelar confirmed later this was a temporary off-frequency operation of Luanda's 4820 xmtr (Hauser, TN)  
7001 2250 Em. Regional do Lobito; PP, hi-life, pops, hosted by YL, ID by OM, 11/19, fair (Parks, FL)  
9535 1620 R. Nacional; PP/EE, ID, "This is the Voice of Namibia. . . xmtng from the studios of National Radio of the People's Republic of Angola here in Luanda," freqs given as 7245 and 1088, (Pimblett, Alberta, 11/28) 1601, PP (Schlesinger, 1630, Vern/PP, 222, 11/22 (Heller, WA) TX)

### ASCENSION ISLAND

11820 \*1800 BBC; EE, s/on into nx, bad fade, 342, 11/26 (Schlesinger, TX)  
11860 0442 BBC; ID in EE, into FF, class. mx, 11/15, 322 (Traver, CA)  
15260 2245 BBC; ID in EE, "Big Ben", 444 (Ross, ONT)  
15385 \*2144 BBC; EE, px for learners and teachers of EE, 534 (Hesch, NY)  
15400 2000 BBC; World nx in EE; actually, was hoping for Venezuela, 323, 11/21 (Schlesinger, TX)

BENIN

4870 0430 LV de la Revolution; FF, tx by OM, perhaps nx, IDs, 222, 11/22 (Harvey, QUE) 0530, FF, AFRO mx, speech, s/off 0600, 11/23 (Murff, NM) 2150, FF, ID at 2200 in FF, weak but clear, 242, 11/29 (Cereghin, MD; Zavatsky, CT)

CAMEROON

4850 0445 R. Yaounde; FF/EE, pop mx, mentions of Yaounde, nx at 0500, then soul mx, 333, 11/24 (Beilke, KS) 0524, EE, Afro mx, YL singing, full ID at 0530, 444, 11/23 (Marshall, AZ) 2140, FF/EE, 353, 11/22 (Ray, PA) 2200, EE nx (Zavatsky, CT; Miller, 5010 0504 R. Garoua; FF, OM tx, continuous GA; Schlesinger, TX) Afro mx, off suddenly at 0515, 333, 11/23 (Marshall, AZ) 0521, Vern, local mx, ID, 11/29 (Cereghin, MD)

CANARY ISLANDS

15365 0245 REE Relay; SS pops, EZL mx, tx by YL, seemed to be a pen pal px, she gave clear ID as "R. Ext. de Espana en Canarias" every 5 minutes, 444, 11/21 (Cunningham, OH) 0317, SS, s/off 0329, 444, 11/12 (Huffaker, MEX)

CENTRAL AFRICAN REPUBLIC

The Voice of the Central African Republic announced from Bangui on 11/14 that its equipment was about to be improved. The Office of the French Aid and Co-operation Fund had decided to finance some projects costing 285 million CFA francs. These projects included the acquisition of a shortwave xmtr and a mediumwave xmtr, contracts for which have been signed with the Thomson-CSF (BBC Monitoring Svc World Best Info News)

5035 2035 LVDRC; FF, OM w/nx, ID, local mx, fair, 11/30 (Zavatsky, CT) 2204, 11/29, 454, FF, YL + OM, non-stop tx, strong (R. Wilkner, FL)

EGYPT

9475 0202 R. Cairo; EE, Egyptian mx, "News One" commentary by YL, 555 on 12/1 (Lewallyn, GA) 0246, EE, 333, 11/10 (Kerrigan, IL) 9770 2115 RC; EE, mx, nx at 2130, 11/15 (Erickson, CT) 9805 2132 RC; EE, news, mailbag px, 232, 11/15 (Ruckman, OH) 2250, "Ancient Egyptian Mythology," including a feature on the goddess cow Hathor, 353, 11/16 (Fraser, MA) 12000 0200 RC; EE, YL ID, Egyptian mx, short story, 555, 11/30 (Lewallyn, GA) 2300, AA (Davidson, SC) 12005 0315 RC; EE, chants, ID and world nx, 343, 11/17 (Zavatsky, CT)

ETHIOPIA

The External svc of the VoRE carried out further test xmtns of its "Voice of Namibia" and "Radio Freedom" pxs until 11/9. Later test bcts from 1900-2000 were hrd on 9545 instead of 11,745 kHz. Regular xmtns are now being carried out on 9,595 kHz. "Voice of Namibia" is from 1900-1930, "Radio Freedom" from 1930-2000 GMT. (BBS MS)

7110 0400 VoRE; Amharic, flute IS, military march, then into Amharic xmntn, poor, 11/15 (Cereghin, MD)

ECUATORIAL GUINEA

5005 0500 R. Ecuatorial; 0501, ID, OM mentioned "Bata", 343, SS, 11/27 (R. Wilkner, FL) 6250 2150 R. Malabo; SS, ID as "R. Nacional en Malabo, Fernando Poo, Republic de Guinea Equatorial," 11/13, fair, (Parks, FL) Congrats, you may be the only person in the world to ever hear an ID from this station. mln.

GABON

4811 0530 Africa #1; FF, nx, 333, 11/16 (Cook, CA); 2020, in FF, mention of Gabonaise, 554, 11/18 (Hesch, NY) 2150, FF ID by OM, afro vocals, 333, 11/21 (Zavatsky, CT) 7200 2145 ANO; FF, Afro mx, OM, //11755, 11/19 (Pimblett, ALT) 7270 0706 RTVG/Libreville; FF, march mx, vern/FF tx, 322, 11/19 11755 \*0500 ANO; FF, OM ID w/times and freq, Afro mx (Miller, CA) // 434, 11/22 (Heller, WA) 0550, FF, 444, 11/23 (Jamieson, CA) 0625-0655, FF (Speer, CA; Traver, CA) 2132, native mx w/drums and flutes, tent. (Hesch, NY)

GABON

14433 2249 ANO; 212, OM tx w/mx, //4811 (L. Wilkner, FL)  
 15435 2000 RFI via Libreville; FF, mx, ID, 444, 11/11 (Viau, QUE)

GHANA

3366 2117 GBC/Accra#2; EE, Afro nx by YL, ID and px sked, into  
 "Word of Life" relg px, 12/1 (Zavatsky, CT)  
 4915 0540 GBC; EE/Vern, relg px, mx, nx at 0600, 12/9 (Bielke, KS;  
 Pimblett, ALT; Berri, CA; Speek, CA) 2245, EE, more religion,  
 11/22 (Zavatsky, CT)

IVORY COAST

7215 0623 RTVI; FF, mixture of Afro and pop mx, //11920 (Pimblett,ALT)  
 11920 0752 RTVI; native mx, DJ in FF, 323, 11/27 (Fortmann, IL) 2200,  
 non-stop pop mx, FF tx, 11/11, 433 (Schlesinger, TX) +1

LESOTHO

4800 2102 R. Lesotho; vern tx, choral singing, ID, NA, 2107 off,  
 carrier off 2108\*, 11/22 (Berg, MA) \*\*If anybody in the  
 Midwest hears this station with reasonably good signals,  
 feel free to call me collect (312) 761-0470. I need this  
 one, still. mln.  
 9515t 0427 BBC Relay; //9510, EE, co-channel FF QRM, 9510 was blasting  
 in, 322, 11/23 (Lucas, CA) \*\*This one needs more checking.

LIBERIA

3990 0600 VoA; EE, Afro Safari, nx, mx, ID, 444, 11/21 (Demmitt, PA)  
 4765 0557 ELWA; EE, IS, ID in EE, relg px (Huffaker, MEX; Kanopka, NY;  
 Manning, NM; Hesch, NY)  
 6035 0613 VoA; EE, "Safari Show", 444, 11/13 (Krist, VA)  
 7280 0700 VoA; EE, world nx, 433, 11/29 (Miller, CA)  
 11830 0700 ELWA; EE, OM w/ID, relg px, 323, 11/21 (Berri, CA)  
 11930 0700 ELWA; Vern, OM choir, church hymns, 322, 11/15 (Traver,CA)  
0625, IS w/EE/FF IDs into AA px, 222, 11/20 (Berri, CA)  
 15235 0745 UN Radio/Monrovia; EE/Swahili/Somali, 454, nx, 11/21 (Tait,  
 Australia)///  
 15240 0214 UNR/Monrovia; EE UN nx, into Swahili (Tait) Australia///  
 17740 0032 VoA; EE, review of Nobel Prize winners, 353 (Krist, VA)  
 17870 1615 VoA; EE, nx, magazine px, 454, 11/24 (Thompson, NM)

LIBYA

11815 2315 SPLAJBC; AA, chanting, political speeches, //15415, 17930  
 343, 11/22 (Zavatsky, CT)  
 17930 1635 SPLAJBC; AA, OM tx, AA mx, 333, 11/27 (Hotaling, NV) 1930,  
 AA, fast-paced AA, mentions of Qadaffi, 333, 12/3 (Moss,CA)  
2245, AA, 11/11, 333 (Jamieson, CA)

MADAGASCAR

15220 1841 RN; EE, "Happy Station", QRM de WYFR,423, 11/15 (Schlesinger,  
 1900, "Media Network", 333, 11/26 (Picarelli, CA) TX)///  
 15560 0708 RN; EE, cmty on Africa, ID, s/off 0720, 343, 11/11 (Huffaker,  
 17810 0930 RN; Indo, nx px, mx and tx, 1025\*, 232 (Kanopka,NY) MEX)///  
 MAURITANIA

MAURITANIA

4845 0707 R.Nat. de la Rep. Islamique Mauritanie; FF/AA, OM world nx,  
 0710, Afro mx into OM AA nx, 433, 11/10 (Thompson, CA)  
2050, AA, ID at 2100, 12/1 (Zavatsky, CT)

MOROCCO

17710 1958 RTVM; AA, chants, ID, pips, news by YL, //15335 and 15105,  
 11/14 (D'Angelo, PA)

MOZAMBIQUE

3210T 1235 RM; Vern, YL, vocal and inst. gospel mx, 222, 11/14 (Thomp-  
 son, CA) Interesting reception.  
 9618 1530 R. Nacional; PP, pop mx, some EE records, 333, 11/17 (Zil-  
 mer, NM) 1800, EE nx, fairly anti-Pretoria cmty, 443, 11/13  
 (Tait, Australia)

NAMIBIA

4965 2047 SWABC; EE/DD, EE EZL mx, ID in EE/DD by OM, 222, 11/30

NIGER

5020 0640 ORTN; FF, soul mx, pop mx, OM DJ, 343, 11/19 (Cook, CA)  
 2155, OM, freqs, skeds, 2201\*, 242 (R. Wilkner, FL)



NIGERIA

4770 0435 FRCN/Kaduna; EE, medley of Beatles songs, 323, 11/27 (Boone, TX) 0544, EE, OM nx, ID, 0620, cmnty (Kanopka, NY) 2205, EE, US pops, 443, R. Bolivar QRM (D'Angelo, NY)

6025T 2248 FRCN/Enugu; Afro pops, QRM de XEQM on 6020 (nice QRM), 211, 11/14 (Schlesinger, TX)

6050 2150 FRCN/Ibadan; EE, EZL mx, ID in EE, 333, 11/11 (D'Angelo, NY)

6100T 2135 R. Borno; Vern, AA & native mx, OM, under DW & YVTO, no ID noted, poor, 11/10 (Parks, FL) Difficult stn to hear. mln.

7255 0500 VoN; EE, nx, cmty, mx, 433, 11/15 (McKinney, PA) 0541, EE, afro mx, 433, 11/24 (Pimblett, ALB)

15120 0450 VoN; N. African svc., EE/lang, rhythmic mx, OM w/ID at 0505, 343, 11/15 (Fortmann, IL) 0500-0533, EE (Kerrigan, IL; Speer, 1630, EE nx, 333, 11/21 (Zilmer, NM) 2145, EE (Boone, CA)///

RWANDA

6055 2020 Rdiff. dela Rep. Rwandaise; FF, f/in w/old disco, YL/OM anmts, off at 2100 w/OM ID in FF and EE, and a short NA, 232, 11/28 (Newton, GA) ditto by R. Wilkner. Superb log, fellas. mln.

9565 0110 DW Relay; EE, tx about arms reduction in Europe, 343, 11/18 0135, FF/GG, 11/22 (Demmitt, PA) (Zavatsky, CT)///

17895 0300\* DW; GG, px in GG, FF ID, 454, 11/12 (Krist, VA)

21540 0930 DW; EE, nx followed by "news behind the nx" (Tait, Aust.)

SENEGAL

7210 \*0658 R. Senegal; FF, IS, NA, YL IDs, anmts, into inst. mx, good sigs, 333, 11/15 (Newton, GA)

SEYCHELLES

15175 0415 FEBA; EE, "Radio Today" px, good, 11/18 (Guy, IA) 1950, Hindi, YL, tx, s/off 2000 w/IS, 444, 11/12 (Zavatsky, CT; Pal-

15325 1516 FEBA; EE, gospel, px in Hindi at 1530 (Tait, Aust) mer, WA)

SIERRA LEONE

5980 0911 SLBS; EE, Int'l nx, ID at 0915, more tx, much QRN, QSB, 342 (Schlesinger, TX) \*\*All you R. Demarara advocates, take note of this logging.

SOUTH AFRICA

Here's a round-up of this month's South Africa loggings. 3250, 0303, EE (Johnson, IL); 4835, 2107, EE (Zavatsky, CT); 4880, 2200, Afrikkaans (Zavatsky, CT); 9585, 2155, EE (Pimblett, ALT); 11770, 2255, SS (Hotaling, NV); 11900, 0200, EE (McKinney, PA); 11900, 0400, 2100 (Lord, CA; Mountain, BC); 15325, 0200, EE (Byron, NY +6); 17775, 2100 (Ruckman, OH; Atkins, WA); 17780, 0550-0603, FF (Earhart, PA); 25790, 1300-1530, EE (Duguay, MA; Davidson, SC; Wilkins, CO).

SUDAN

On 11/22, the Radio of the Democratic Republic of the Sudan was observed from 0430-0500 and 1000-1030 on 11854 kHz (BBC MS).

SWAZILAND

4760 0315 TWR; Vern, local relig mx, IS, s/off at 0330, 333, 11/27 (Alexander, PA)

11740 \*1600 TWR; EE, IS and ID, into mx px, 444, 11/27 (Pimblett, ALT)

TOGO

3222T 2130 RTT/Lama-Kara; FF, tx, afro mx, no ID hrd, 12/1 (Zavatsky, CT), 2154 (Cereghin, MD), 2300 (Sams, AR) 5047 hrd by 3.

UGANDA

15325 0331 R. Uganda; Afro singing and chants, YL in EE, 0340, nearly non-stop piano mx, occasional tx and IDs, 333, 11/21 (Cunningham, OH; Ray, PA; Beilke, KS; Tate, NV; Boone, TX)

ZAIRE

15245 2030 LV du Zaire; FF, pop and disco, many IDs in FF, 11/26 (Witte, 2200, FF, 343, 11/17 (Cook, CA) CA)///

ZAMBIA

4911 \*0348 RZ; home svc, fish eagle IS, s/on, nx in EE, wiped out by power line noise at 0401, first log (Schlesinger, TX)\*\*nice.

CLANDESTINE: Jerry Berg notes that his UNID last month on 4950 is Voz de Verdade. Good on 11/14 in PP. Also noted 0330 by Sams in Arkansas. 73.

# ASIA-OCEANIA

EDITOR:

TOM SCOTT

1200 Cornwell

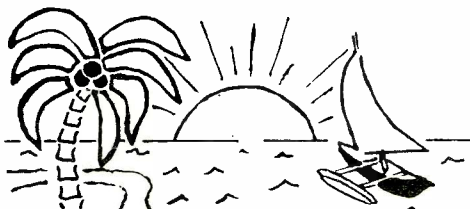
Yukon, OK 73099

DEADLINE: 12th of each month

FREQUENCIES IN KILOHERTZ

TIMES ARE IN GMT

\*0000=sign on 0000\*=sign off



## Asia

### DEMOCRATIC REPUBLIC OF AFGHANISTAN

10457v 0228 R. Afghanistan; ? Lang; ME Chants, Mx, USB (333 11/16 Cereghin-MD) (Krist-VA)

19638 1450 RA; ? Lang; Mx, Chants, OM/YL USB (232 11/15 Cereghin-MD)

### PEOPLE'S REPUBLIC OF BANGLADESH

11768v 1710 R. Bangladesh; ?AA; Mx, ID, Nx (333 11/23 Sams-AR)

### SOCIALIST REPUBLIC OF THE UNION OF BURMA

4725 1251 Burma Broadcast Sce; ? Lang; OM, Mx (232 12/3 Nikolich-IL)

5985 1425 BBS; Burm/EE; YL, Mx, OM, ID, Nx (222 11/9 Hotaling-NV)

### PEOPLE'S REPUBLIC OF CHINA

2340 1458 Fuzhou, Fujian; CC; Pips, ID, Mx (Gd 11/29 Newkirk-WA) (Sams-AR) (Murff-NM)

2460 1212 Yunnan, Junming; CC; Opera, Tx (222 11/24 Sams-AR)

2476 1228 Zheljiang, Hangzhou; CC; YL/OM (222 11/28 Sams-AR)

3366 1236 CPBS-Taiwan Sce; CC; Opera (232 11/25 Nikolich-IL) (Murff-NM)

3400 1300 Fujian Front Station-2; CC; Mx (333 11/26 Murff-NM)

4380 1146 FFS-2; CC; CC Mx, OM // 5770, 6000 (333 11/15 Cereghin-MD)

4750- 1250 Lhasa, Xizang; CC; Opera (333 12/3 Nikolich-IL)

4785 1015 Zhejiang, Hangzhou; CC; Mx, YL, 1027\* (11/5 Berg-MA)

4840 1205 FFS-2; CC; Tx, Mx, 1228\* (333 11/1 Ross-ONT)

4905 2253 Nanning, Gansu; CC; OM/YL, Mx (322 12/5 Nikolich-IL)

4960 1515 R. Peking; JJ; YL, Px, ID (353 10/27 Tait-AUSTRALIA)

4975 1400 FFS-1; CC; Mx, ID, Nx (444 11/26 Murff-NM)

4990 1301 Changsha, Hunan; CC; dramatic Px, Mx (332 11/26 Schlesinger-TX)

5040 1045 Fuzhou, Fujian; CC; Mx, OM/YL (333 11/7 Hotaling-NV) (Berg-MA) (Nikolich-IL)

5150 1025 RP; RR; OM/YL, Mx // 6345, 6565 (322 11/13 Hotaling-NV)

5170t 1135 FFS-2; CC; Mx (222 11/1 Kanopka-NY)

5250 1141 FFS-1; CC; Mx, YL, ID (333 11/26 Cunningham-OH)

5265 2255 FFS-1; CC; Opera // 5240 (222 11/15 Sams-AR) (Hotaling-NV)

5770 1045 FFS-2; CC; YL (444 11/28 G. Raymond-MA) (Cereghin-MD)

5900 1137 FFS-1; CC; Mx, Opera, YL // 6765 (232 11/15 Cereghin-MD)

6000 1147 FFS-2; CC; Mx, OM // 4380, 5770 (222 11/15 Cereghin-MD)

6225 2315 CPBS-1; CC; OM (222 11/21 Sams-AR)

6260 2332 Xining, Qinghai; CC; OM/YL (322 11/21 Schlesinger-TX)

6345 1000 RP; RR; IS, ID, OM (322 11/23 Lucas-CA)

6500 2303 Xining, Qinghai; CC; YL Nx, Mx (Gd 11/11 Parks-FL)

6765 1137 FFS-1; CC; CC Mx, Opera, YL // 5900 (222 11/15 Cereghin-MD)

6937 2315 Yunnan, Kunming; ?Lang; YL (Fr 11/11 Parks-FL)

7025 1201 FFS-2; CC; Soap Opera (444 11/9 Schlesinger-TX)

7035 2320 RP; SS; Cmty, Mx, ID (Gd 11/13 Parks-FL)

7105 1340 Hohhot, Neimenggu; CC; Mx (322 11/19 Hotaling-NV)

7280 1155 FFS-2; CC; YL, Mx (534 11/28 Miller-CA)

7505v 1155 CPBS-1; CC; Mx, ID, TP // 9064, 11330 (222 11/19 Cereghin-MD)

7850 1125 FFS-1; CC; OM (322 10/25 Ward-QUE)

9020 1151 CPBS-2; CC; YL, CC, Mx (232 11/15 Cereghin-MD)

9064 0731 CPBS-1; CC/EE; Lang Less, (Gd 12/6 Newkirk-WA) (Cereghin-MD)

People's Republic of CHINA con't

9820 1249 RP: EE; Mx, Px (444 11/26 Schlesinger-TX) (Kanopka-NY)  
(Wilkins-CO) (Hesch-NY)  
11330 1155 CPBS-1: CC; Mx, TP // 7505 (222 11/19 Cereghin-MD)  
11575 1845 RP: FF; YL Nx, Mx (323 11/24 Sable-CA) (Hotaling-NV)  
11600 1545 RP: EE; OM/YL, Sked, ID (444 11/12 Hotaling-NV)  
11650 0200 RP: EE; ID, Nx (343 11/23 Smith-FL) (Ray-PA) (Zilmer-NM)  
11685 1745 RP: Cant; OM Mx (322 11/19 Hotaling-NV)  
15030t 0530 CPBS-2: CC; Mx (242 11/10 Ray-PA)  
15100 1735 RP: Cant; Nx, Mx (433 11/21 Sable-CA) (Hotaling-NV)  
15120 0112 RP: EE; Nx, Mx, ID, OM (554 12/16 Hesch-NY) (Ruckman-OH)  
(Forbes-TX) (Marshall-AZ) (Averill-MA) (Smith-FL)  
(McKinney-PA) (Fraser-MA) (Speer-CA)  
15165 1712 RP: EE; YL, Nx (342 11/15 Olson-CA)  
15520 \*0300 RP: EE; ID, Nx, Cmty (433 11/30 Lambert-TX) (Beeman-OH)  
(Earhart-PA) (Johnson-IL) (Jamieson-CA) (Huffaker-MEXICO)  
(Lindley-AL) (Byron-NY) (Picarelli-CA) (Smith-FL) (Ward-QUE)

Republic of CHINA (Taiwan)

11745 1045 Voice of Free China: CC; YL, Mx (433 10/29 Ward-QUE)  
15270 2145 VOFC: EE; YL Nx, OM Cmty, Mx (433 11/13 Miller-CA)  
15345 0300 VOFC: EE; Nx, ID // 17800 (252 11/19 Tait-AUSTRALIA)  
17800 0324 VOFC: EE; YL ID, Nx, YL Cultural Px (Fr 12/2 Grijalva-AZ)  
(Gucinski-WA) (Olson-CA) (Latko-OH) (Huffaker-MEXICO)  
(Cunningham-OH) (Jamieson-CA) (Boone-TX) (Johnson-IL)

Republic of INDIA

3355 1230 AIR/Hyderabad: CC; OM Nx, Into Hindu Nx YL (343 11/25  
Nikolich-IL)  
3365 1243 AIR/Delhi: ?Lang; Mx (131 11/25 Nikolich-IL)  
4860 1257 AIR: ? Lang Mx, OM Vocals (444 11/25 Nikolich-IL)  
9912 0020 AIR: EE; ID, OM, Mx, Nx, 0115\* (322 11/19 Carlson-WA)  
(Hotaling-NV) (Sams-AR)  
9950 1540 AIR: EE; YL Nx, ID, Cmty (343 12/1 Palmer-WA)  
11620 2200 AIR: EE; Nx (s-5 11/28 Duguay-MA) (Marshall-AZ) (McKinney-  
PA) (Hesch-NY) (Palmer-WA) (Manning-NM) (Schlesinger-TX)  
11895 2340 AIR: EE; YL ID, Nx // 9912 (433 11/23 Carlson-WA)  
15100 2248 AIR: EE; Mx, ID, Nx (343 11/9 Huffaker-MEXICO)  
15110 0604 AIR: ?Lang; Mx, OM, Vocals, ID (333 11/29 Thompson-CA)  
15335 1330 AIR: EE; ID, Nx, Cmty, YL (433 11/26 Williams-MN)  
17875 1037 AIR: EE; Nx (242 11/18 Huffaker-MEXICO)

Republic of INDONESIA

3223 1500 RRI Mataram: Indo; Nx, ID (454 11/9 Tait-AUSTRALIA)  
3305 1335 RRI DILI: Indo; Mx, ID, (555 10/27 Tait-AUSTRALIA)  
3380 1529 RRI Malang: Indo; Koran, ID, 1629\* (252 11/9 Tait-AUSTRALIA)  
3395 1529 RRI Tanjungkarang: Indo; YL, Mx, ID (242 11/24 Tait-AUSTRALIA)  
3427 1349 RRI Manokwari: Indo; Nx, Mx, ID 1400\* (353 10/27 Tait-AUST)  
3775 1325 PKPDK-Sumbawa: Indo; YL, Tx, Mx, ID (222 11/27 Sams-AR)  
3935 1456 RRI Semarang: Indo; Nx, Koran (454 11/3 Tait-AUSTRALIA)  
3945 1421 RRI Denpasar: INDO: Ec Tx, OM, ID (353 11/24 Tait-AUSTRALIA)  
3975v 1245 RRI Surabaya: Indo; Mx, ID, Nx, Koran (454 11/3 Tait-AUST)  
4000 1509 RRI Kendari: Indo; Nx, ID, Mx (433 11/24 Tait-AUSTRALIA)  
4698 1304 RRI Surabaya: Indo; OM, Mx (222 11/29 Newton-GA)  
4717v 1206 RRI Ujung Pandang: Indo; YL/OM (444 11/9 Schlesinger-TX)  
4768v 1007 RRI Medan: Indo; YL Mx (242 11/26 Schlesinger-TX)  
4789 1246 RRI Fak Fak: Indo; YL Vocals (222 11/29 Newton-GA)  
4845 1251 RRI Ambon: Indo: OM Vocal (333 11/29 Newton-GA)  
4856 1440 RRI Palembang: Bail/Indo: OM Mx (222 11/11 Hotaling-NV)  
4875 1242 RRI Surang: Indo; Mx (333 11/29 Newton-GA)  
4927 1355 RRI Jumbi: Indo: Mx, ID (454 10/29 Tait-AUSTRALIA) TX  
4932 1257 RRI Surakarta: Indo: OM, Mx (242 11/29 Newton-GA) (Schlesinger-  
5046 1501 RRI Yogyakarta: Indo; Nx, Cmty, Mx, ID (353 11/3 Tait-AUST)  
5451 1150 RRI Biak: Indo; Tx, Mx (242 11/13 Schlesinger-TX)  
11790 1400 Voice of Indoensia: EE; Nx, Cmty, Mx (322 11/7 Hahn-CA)  
(Manning-NM) (Streeter-NY)

Islamic Republic of IRAN

9022 2020 VOIRI: EE; OM, Mx, YL, ID (333 12/1 Streeter-NY) (Heller-WA)  
(Palmer-WA) (Kanopka-NY)  
9720 2250 VOIRI: Farsi: OM // 9022 (333 11/23 Sams-AR)  
15084 1800 VOIRI: Farsi: Tx (343 11/11 Schlesinger-TX) (Ross-ONT)

Republic of IRAQ

6095 1501 R. Baghdad; AA; Pips, chimes, Nx, Mx // 8828 (Fr 11/21 Newkirk-WA)  
8828t \*0228 RB: AA; Chants, Chimes, Bells, Nx (Gd 11/11 Parks-FL)  
9745 \*2130 RB: EE; Nx, Mx, Cmty 2230\* (343 11/26 Fraser-MA) (Palmer-WA) (Carlson-WA) (Schlesinger-TX) (Ross-ONT) (Smith-FL)  
21585 1950 Voice of Arab Syria: AA/EE: YL, Nx, ID (333 11/3 Cunningham-OH)

State of ISRAEL

7410 2235 Kol Yisrael: EE; Nx, Px (433 11/24 Tate-WV)  
9815 0200 KY:EE; Nx, "Panorama" (533 12/1 Atkins-WA) (Ruckman-OH) (Lewallyn-GA) (Ross-ONT) (Miller-CA) (Johnson-IL) (Fraser-MA)  
11637 \*0000 KY: EE; Nx (433 11/11 Speer-CA) (Picarelli-CA) (Kerrigan-IL)  
11640 0058 KY: EE; IS, ID, Fx, Nx, Mx 0125\* (454 12/2 Thompson-NM) (Krist-VA) (McKinney-PA) (Earhart-PS) (Demmitt-PA) (Olson-CA) (Smith-FL)  
11655 0600 Reshet Bet: Hebrew; OM, Mx, Ads, ID, Nx (423 11/28 Murff-NM) (Earhart-PA)  
12025 2000 KY: EE; Px on TX with Egypt (353 11/14 Krist-VA)  
15105 0300 KY:EE; Nx, Cmty (433 11/10 Hahn-CA)  
15585 0220 KY: EE; OM, ID, 0225\* (454 11/14 Forbes-TX) (Hotaling-NV) (Smith-FL) (Langlois-GA) (Ray-PA) (Johnson-IL) (Duguay-MA)  
21710 0500 KY:EE; Nx, Cmty (252 10/25 Tait-AUSTRALIA)

JAMMU AND KASHMIR

6275v 1304 Azad Kashmir R: ? Lang; OM, Mx, Nx 1400\* (222 11/17 Wilkins-CA) (Berg-MA)

JAPAN

6055 0815 Nihon Shortwave Broad. Co/Tokyo: JJ; Nx, Cmty, Mx, Lang Less, Ads // 3925, 9595 (433 12/1 Murff-NM) (Tait-AUSTRALIA\_)  
6155 1355 Far East Network: EE; Mx, ID, Nx (222 12/6 Lambert-TX) (Traver Smith-CA)  
7144 1335 R. Japan: EE; Mx, OM, ID, 1400\* (433 11/19 Hotaling-NV)  
9505 1405 RJ: EE; ID, Tx on Wx and agri (323 11/17 Beeman-OH) (Lambert-TX) (Manning-NM)  
9595 0612 NSB: JJ; OM, Nx, YL, Mx (444 11/23 Jamieson-CA) (Traver Smith-CA)  
9700 1200 RJ: EE; Nx, Cmty (322 11/26 Zilmer-NM)  
9725 1630 RJ: EE; Nx, Cmty (333 11/11- Miller-CA)  
15195 0225 RJ: EE; OM Nx (333 11/13 Stone-ONT)  
15260 0400 FEN: EE; Nx, YL ID, Mx (232 11/17 Heller-WA)  
15325 0458 RJ: EE; IS, ID, Nx (343 12/1 Streeter-NY)  
17755 0300 RJ: EE; OM, Nx (333 11/9 Pfeffer-NY) (Latko-OH) (Krist-VA) (Valentine-CA) (Langlois-GA) (Smith-FL) (Cox-LA) (Gucinski-WA) (Johnson-IL) (Kerrigan-IL)  
17810 \*0300 RJ: EE; s/on, skeds (444 11/3 Boone-TX) (Miller-CA) (Lord-CA)  
17825 2346 RJ: EE; OM Nx, Cmty, ID, Lang Less (453 11/17 Claytor-MI) (Forbes-TX) (Olson-CA) (Thompson-NM) (Ray-PA)  
21610 0201 RJ: EE; YL Mx, ID (454 11/10 Lindley-AL) (Thompson-NM) (Lambert-TX)  
21640 0130 RJ: EE; Nx, ID (Picarelli-CA) (Krist-VA) (Ruckman-OH)

KAMPUCHEA People's Republic

7403 1124 Voice of the People of Kampuchea: ? Lang; Home Sce, Mx (232 11/29 Newton-GA)  
9695 1200 VOKP: EE; YL Nx, Cmty, Mx (432 10/26 Tait-AUSTRALIA)  
11938 1204 VOKP: EE; YL, Mx (322 11/29 Newton-GA)

Democratic People's Republic of KOREA

2690vt 1240 Choson Chungun Pangsong/Chongjin: KK; Tx, Opera (222 11/10 Sams-AR)  
2745 1147 CCP/Shinuiju: KK; Mx, YL/OM (232 11/14 Thompson-CA) (Sams-AR)  
2775 1257 CCP/Hamheung: KK; Px // 2850, 2745 (222 11/26 Sams-AR)  
2850v 1210 CCP/Pyongyang: KK; YL/OM, Mx // 3015 (444 11/26 Murff-NM) (Sams-AR)  
3015 1240 R. Pyongyang: KK; Opera // 2850 (232 11/26 Sams-AR)

Democratic People's Republic of KOREA

3030 1233 CCP/Wonson: KK; OM (242 11/14 Thompson-CA) (Murff-NM) (sams-AR)  
3560 1315 RP: KK; YL Px (333 11/26 Sams-AR)  
4120 1300 Voice of People's Party for Reunification: KK; ID, Px  
(333 11/26 Sams-AR)  
4140 1130 VOPFR: KK; Tx, Mx (322 11/26 Zilmer-NM)  
7290 0731 RP: CC; OM (433 11/29 Miller-CA)  
9420 0725 RP: EE; Mx, ID, YL (242 12/1 Streeter-NY) (Huffaker-MEXICO)  
9977 2319 RP: EE; Px On KK Econ (211 11/22 Ruckman-OH) (Povsic-FL)  
(Erickson) (Ross-ONT) (Alexander-PA)

Republic of KOREA

7275 1150 R. Korea/Suweon: JJ/KK; YL, Mx, IS (434 11/28 Miller-CA)  
9720 1454 RK: JJ/KK; ID, Nx, Cmty, Mx (444 12/8 Lambert-TX)  
(Valentine-CA)  
9870 1130 RK: EE; Nx (242 11/26 Zilmer-NM)  
9977 1100 RK: EE; OM, YL, Nx (444 11/6 Valentine-CA)  
11725 1033 RK: KK; Mx, ID (433 11/15 Lambert-TX)  
11810 0622 RK: EE; YL (333 11/25 Grenier-CA) (Miller-CA) (Huffaker-  
MEXICO) (Jamieson-CA) (Mountain-BC)  
15570 0548 RK: EE; YL, ID (232 11/10 Huffaker-MEXICO)  
15575 0253 RK: EE; KK; ID, Cmty, Mx (242 12/2 cunninghom-OH) (Smith-  
FL) (Streeter-NY) (Zilmer-NM) (Miller-CA)

State of KUWAIT

9650 1830 R. Kuwait: EE; Px // 11675 (151 11/26 R. Wilkner-FL)  
11650 1940 RK: EE; Tx, Mx, ID, Px (544 11/4 Byron-NY) (Thompson-NM)  
11675v 1930 RK: EE; Mx, Tx (454 11/14 Krist-VA) (Schlesinger-TX)  
(Streeter-NY) (Duqugy-MA) (Tait-AUSTRALIA)  
17650 1932 RK: AA; OM/YL, Mx (322 11/9 Hotaling-NV)

LAO People's Democratic Republic

6130t 1324 National Radio of Laos/Vientiane: ?Lang; Mx (211 11/11  
Schlesinger-TX)  
6348 1300 NRL/Vientiane: Viet; Mx, YL (322 11/5 Ward-QUE)  
6600t 2253 NRL/Pakse: ?Lang; Mx, Tx (222 11/1 Sams-AR)

Republic of LEBANON

6215 \*0400 Voice of Hope: EE; Pips, OM, ID, Nx, Mx, Nx, Wx (232 12/5  
Streeter-NY) (Stanbury-ON) (Berg-MA)  
6550 0425 Voice of Lebanon: AA; Mx, YL, ID (333 12/2 Streeter-NY)

MALAYSIA

Peninsula

4845 1355 RTM-Kuala Lumpur: BM; Mx, Pips, ID, OM (322 11/9 Hotaling-NV)  
5965 1251 RTM-KL: BM; Mx, ID (253 11/3 Tait-AUSTRALIA)  
6025 1202 RTM-KL: BM/EE?; Px, Mx (232 11/26 Schlesinger-TX)  
6100 1520 Voice of Malaysia: BM/; OM, Mx 1530\* (332 11/1 Hotaling-NV)

Sarawak

3385 1305 RTMS-Miri: BM; Nx Om, Cmty (333 11/26 Murff-NM)  
4835 1255 RTMS-Kuching: ?Lang; Mx, YL (232 11/24 Nikolich-IL)  
(Schlesinger-TX) (Hotaling-NV)  
4950 1330 RTMSK-; EE; ID, Nx, Mx, Cmty (343 11/24 Moss-CA) (Grenier-  
GA) (Huffaker-MEXICO) (Newton-GA)  
5005 1455 RTMS-Sibu: BM; Koran, Px, 1500\* (242 10/27 Tait-AUSTRALIA)  
5030 1415 RTMSK: BM; Tx, Mx (554 10/27 M. Johnson-ID) (Newton-GA)  
(Hotaling-NV) (Miller-CA)

MONGOLIAN People's Republic

6383 1231 Ulan Bator R.: FF; ID, YL (222 12/9 Nikolich-IL) (Ward-  
QUE) (Palmer-WA) (Hotaling-NV)  
12070 1225 UBR: EE; YL Cmty, Mx (211 12/1 Nikolich-IL) (Huffaker-  
MEXICO) (Kanopka-NY) (Hesch-NY) (Streeter-NY) (Wilkner-FL)  
(Cunningham-OH)

Kingdom of NEPAL

3425 1504 R. Nepal: EE; Nx, ID (Pr 11/29 Newkirk-VA) (Nikolich-IL)  
(Sams-AR)  
9590 1140 RN: Nepali; Px (332 11/18 Kanopka-NY) (Cereghin-MD)

Sultanate of OMAN

15310 1310 BBC Relay: EE; Nx (333 12/1 Moss-CA)

Islamic Republic of PAKISTAN

5095 1514 R. Pakistan: Urdu?; Nx, feature (Fr 11/29 Newkirk-WA)  
(Sams-AR)  
7010t 0120 Islamabad: ?Lang; Nx, Mx, Cmty (Fr 11/22 Parks-FL)  
9540 1220 RP: EE; Mx, Px (333 11/1 Ross-ONT)  
15420t 0205 RP: ?Lang; Mx (222 11/1 Sams-AR)  
15500 1708 RP: EE; Nx, Cmty, Reli Px 1743\* (323 11/8 Tate-WV)  
17840 0230 RP: EE; Nx // 21595 (232 11/27 Zilmer-NM)  
21730 2133 RP: Pakistan; Mx (444 11/1 Ross-ONT)  
21785 1600 RP: EE; OM Nx, ID 1615\* (444 10/27 Ross-ONT)

Republic of PHILIPPINES

6110 1106 VOA-relay: EE; Nx (242 11/11 Schlesinger-TX)  
9578v 0817 Radyo Pilipinas: EE; Nx, Mx, ID (322 11/14 Manning-NM)  
9605 1435 R. Veritas Asia: EE; Px, ID (222 11/30 Manning-NM) (Speer-CA)  
9715 0900 Far East Broadcasting Co : RR; IS, ID, YL, OM, Mx (433  
11/26 Miller-CA)  
11715 1105 VOA-Relay: EE; Nx (332 11/21 Kanopka-NY)  
11725 1230 RVA: JJ; Mx, Px (433 11/8 Miller-CA)  
11820 1535 RVA: Bengali; Fx, Tx, Mx (433 11/7 Miller-CA)  
11890 0859 FEBC: EE: "Mailbag", ID, Px (353 11/27 Krist-VA)  
11955 1442 RVA: EE; OM/YL, Mx, ID (222 12/2 Streeter-NY) (Miller-CA)  
11965 0933 VOA-Relay: RR/CC; Tx, Mx, ID (332 11/17 Kanopka-NY)  
15135 0045 RVA: EE; Nx, Px (434 11/27 Miller-CA)  
15180 2205 VOA-Relay: EE; Nx, "Breakfest show" (211 11/22 Schlesinger-TX)  
15250 0847 UN Radio-Relay: EE/CC/JJ, Nx (454 11/21 Tait-AUSTRALIA)  
15440 1350 FEBC: EE; OM; Prayer, Hymns, ID, TC (242 12/2 Streeter-NY)  
15450 2318 FEBC: EE; Tx on Church in world (333 11/3 Grosvenor-CA) (Ross-  
ONT)  
17810 0035 FEBC: EE; OM Nx (343 11/25 Mountain-BC) (Krist-VA)  
26000 1848 VOA: EE; OM, Mx, ID (454 11/23 Hesch-NY)(Krist-VA) (Pousic-FL)

Kingdom of SAUDI ARABIA

5875 2100 Riyadh Home Sce: AA; OM/YL, Mx, ID (232 12/1 Streeter-NY)  
11855v 1830 BSKSA: EE; OM, ID, Nx, YL (422 11/20 Streeter-NY) (Kanopka-NY)  
11965 2250 Riyadh Home Sce: AA; ID, Chants (534 11/20 Davidson-SC)  
14490 0453\* BSKSA:FS; Tnx to tip from Mitch Sams, BSKSA hrd on this  
strange fx with strong signal in Persian sce 11/18 only,  
not sure, ID, Brief anthem. It happened once it could  
happen again (11/18 Hauser-TN)  
15060 1800 Riyadh Home Sce: AA; OM, Nx, Mx, ID (333 11/17 Sable-CA)  
(Ross-CA)  
21505 1933 Riyadh Home Sce: AA; Mx, Dramatic Px (444 11/15 Schlesinger-  
TX) (Jamieson-CA)

Republic of SINGAPORE

3915 1420 BBC-Relay: Viet/EE; OM/YL Lang Less (222 11/9 Hotaling-NV)  
5052 1529 R. Singapore: EE; Mx, TC, ID (222 11/29 Genier-CA) (Traver  
Smith-CA) (Hotaling-NV)  
9580 2330 BBC-relay: EE; EE by Radio (222 11/19 Zilmer-NM)  
11750 1154 BBC-relay: EE; Mx, OM (343 11/27 Pousic-FL)  
11860 0625 BBC-relay: EE; Nx (S-6 11/6 Duguay-MA)  
11940 1146 RS: EE; Cmty (343 11/18 Huffaker-MEXICO) (Manning-NM)  
17715 0040 BBC-Relay: EE; EE by radio 0045\* (353 11/1 Krist-VA)

Democratic Socialist Republic of SRI LANKA

9720 1700 Sri Lanka Broadcasting Corp: EE; Mx, ID, Preaching (323  
11/23 Sams-AR) (Miller-CA)  
11800 1715 SLBC: ?Lang; Mx // 15120 (222 11/23 Sams-AR)  
15205 1600 VOA-Relay: EE; Nx, Px (323 11/28 Lord-CA)  
15405 2020 VOA-Relay: EE; ID, Nx, OM/YL (444 11/27 Ross-ONT)  
15425 0043 SLBC: EE; Mx, Birthday greetings (433 10/31 Ward-QUE)  
(Latko-OH) (Miller-GA) (Tate-WV) (Sams-AR)

Republic of TURKEY

6340 0503 Turkish Police R. TT; Chants, Mx, YL ID (333 11/28 Newton-GA)  
 6900 0419 Turkish State Meterological Sce: TT; YL, Mx Nx (232 12/3 Streeter-NY) (Parks-FL)  
 7215 2235 Voice of Turkey: EE; YL, Nx, Mx (433 11/14 Coleman-MA) (Schlesinger-TX)  
 9560 2250 VOT: EE; OM, Mx (444 11/27 Harvey-QUE) (Zilmer-NM) (Beeman-OH) (Latka-OH)  
 15125 1350 VOT: EE; Interview Px (211 11/26 Ruckman-OH)  
 15220 0838 VOT: TT; Chants, Tx, ID, Mx (444 11/24 Ross-ONT)

UNITED ARAB EMERITES

11754 0348 UAE Radio: EE; YL/OM, Mx (323 11/8 Marshall-AZ)  
 11940 0409 UAE R.EE; Mx, ID, YL (544 11/25 Pousic-FL)  
 15320 0330 UAE R: EE; Nx Px (333 12/6 Averill-MA) (Krist-VA) (Streeter-NY) (Huffaker-MEXICO) (Ericksen-CT) (Atkins-WA) (Palmer-WA) (Earhart-PA) (Coleman-MA) (Ray-PA)  
 17710 1612 UAE R: EE; Px, Nx (333 11/28 Zilmer-NM)  
 17775 0350 UAE R: EE; Mx, YL (444 11/3 Kerrigan-IL)  
 21655 1600 UAE R: EE; Px (442 11/5 Atkins-WA) (Schlesinger-TX) (Grenier-CA)

Socialist Republic of VIETNAM

4944v 1255 Hanoi: Viet; Mx, OM Tx (433 12/3 Nikolich-IL)  
 10040 1325 Voice of Vietnam: FF; Mx, ID, YL Tx (444 12/2 Streeter-NY) (Fisher-MA) (Hahn-CA) (Zilmer-NM)  
 10080 1100 VOV: EE; Nx, Mx, OM (153 11/17 Erickson-CT) (Ruckman-OH) (Miller-GA)  
 11835 1715 VoV: VV/EE; OM/YL, Mx, Nx (444 11/12 Thompson-CA)  
 12035 1330 VoV: EE; Nx, Mx, fx, Sked,Cmty (222 11/24 Zilmer-NM)

YEMEN ARAB REPUBLIC

4853 0315 R. San'a: AA; Chanting ID, Poli Tx (Gd 11/22 Zavatsky-CT).  
 9780 2030 R. San'a AA; Chants, Prayers (11/30 Wilkner-FL)

People's Democratic Republic of YEMEN

7190 2030 Democratic Yemen Broadcasting Sce: AA; Mx (11/30 Wilkner-FL)

# OCEANIA

ANTARCTICA

Argentine Sector  
 6030 2354 R. Nac. Arcangel San Gabriel: SS; Mx, Tx (233 R. Wilkner-FL)  
 15476 0040 RNA: SS; OM/YL, Mx, ID 0050\* (333 11/27 Alexander-PA) (R. Wilkner-FL) (Stanbury-ONT)

Commonwealth of AUSTRALIA

4920 0750 Australian Broadcasting Co/VLM 4--Brisbane: EE; OM, Mx ID, Nx (333 12/1 Murff) (Huffaker-MEXIC)  
 5995 1201 R. Australia/Lyndhurst: EE; Nx, OM, ID, Cmty (554 11/20 Hesch-NY) (Wilkins-CO) (Ross-ONT)  
 6090 0815 ABC/VLI6--Sydney: EE; Wx, ID, TC, Mx (343 11/29 Speer-CA)  
 7260 1035 RA/Shepparton: ?Lang; Mx, ID, (322 11/19 Kanopka-NY)  
 9580 1147 RA/S: EE; OM, Mx, Nx (554 11/27 Hesch-NY) (Fraser-MA) (Earhart-PA) (Demmitt-PA)  
 9660 0920 ABC/VLQ9--Brisbane: EE; OM/YL, ID, TC (252 12/6 Streeter-NY) (Nikolich-IL)  
 9680 1223 ABC/VLR-VLH 9--Lyndhurst: EE; OM, Mx, ID (343 11/11 Viau-QUE) (Ross-ONT)  
 9710 1225 RA/S: EE; ID, Wx, Nx (444 11/11 Krist-VA)  
 9760 0842 RA/S: EE; "World of Science" (444 11/7 Manning-NM)  
 9770 1500 RA/S: EE; Nx (433 11/26 Grenier-CA)  
 11820 0700 RA/S: EE; C/W Mx, OM (433 11/20 Streeter-NY)  
 15115 0700 RA/S: EE; Nx, Mx, ID (444 12/3 Moss-CA) (Lindley-AL) (Krist-VA)

Commonwealth of AUSTRALIA Con't

15160 0613 RA/L: EE; OM Nx (343 11/15 Traver Smith-CA)  
 15320 0413 RA/S: EE; Mx (434 11/28 Earhart-PA) (Lord-CA)  
 15425 0932 ABC/VLW15--Wanneroo: EE; Mx (353 11/27 Krist-VA) (Huffkaer-MEXICO)  
 17795 0359 RA/S: EE; to compensate for having converted the 0100-0200 of the NA Sce from EE to FF, by designating 0200-0400 block in EE for NAM, hrd 11/29 0359 claiming that 21740 was now closing, but it seems to me it has continued signing off at 0330 as before, as I have heard no trace of it by 0359. The only programming change I have noticed to go along with this change is moving the last repeat of "Spectrum" GMT Mondays after first Sundays from 0112 to 0330. (Hauster-TN) (Johnson-IL) (Krist-VA) (Pfeffer-NY) (Mountain-BC) (Earhart-PA) (Grucinski-WA) (Traver Smith-CA)  
 17830 2230 RA/s: Thai; Tk, Mx (343 11/30 Zilmer-NM)  
 17870 0125 RA/S: EE; Mx, ID, Fx (222 11/17 Ray-PA)  
 21525 0421 RA/S: EE; OM, Mx (444 11/11 Jamieson-CA) (Ray-PA)  
 21740 0315 RA/S: EE; Mx, Px (343 11/5 Earhart-PA) (Boone-TX) (Krist-VA) (Pfeffer-NY)

Dominion of NEW ZEALAND

11945 0700 R. New Zealand: EE; Nx, Mx Drama (444 11/18 McKinney-PA) (Streeter-NY) (Picarelli-CA) (Hauser-TN) (Hahn-CA) (Nikolich-IL)  
 15485 0720 RNZ: EE; Px, ID, Nx (344 11/15 Huffaker-MEXICO) (Traver Smith-CA) (Earhart-PA) (Lindley-AL)  
 17705 0350 RNZ: EE; ID, Fx (332 12/1 Lucas-CA) (Lord-CA) (Olson-CA)  
 17860 0510 RNZ: EE; OM, Nx, Mx, ID (433 11/15 Pfeffer-NY) (Lucas-CA) (Manning-NM) (Speer-CA) (McKinney-PA)

PAPUA NEW GUINEA

4890 1200 NBC: EE; Nx, Mx (433 12/1 Raymond-MA) (Lord-CA) (Ross-ONT) (Hotaling-NV) (Manning-NM)

SOCIETY ISLANDS (Tahiti)

6135 0740 R. Tahiti: TT; Mx (333 11/15 Palmer-WA) (Thompson-CA)  
 11825 0315 RT: TT; Mx, YL/OM // 15170 (333 11/28 Ray-PA) (Streeter-NY) (Jamieson-CA)  
 15170 0646 RT: TT; OM, Mx (322 11/15 Traver Smith-CA) (Speer-CA) (Huffaker-MEXICO) (Thompson-CA)  
 15175 0400 RT: FF/Poly; Mx, Nx, ID (423 11/30 Sable-CA)

SOLOMON ISLANDS

5020 0715 H4B4/ Solomon Islands Broad. Co: Pidgin; OM, ID, YL, TC (243 11/28 Heller-WA) (Kanopka-NY)  
 9545 0727 H4B9/SIBC: EE; Mx, TC (355 11/15 D'Angelo-PA) (Grenier-CA) (Traver Smith-CA)

VANUATU

7260 0954 YJB7/R. Vanuatu: Pidgin; Mx, Tx, ID (222 11/28 Raymond-MA) (Huffaker-MEXICO) (Streeter-NY) (Schlesinger-TX)

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BBCMS copyrighted DATELINE BBCMS copyrighted

MONGOLIA: Ulan Bator Radio: EE px 1220-1235 (not on Sunday): 12070, 6383  
 1400-1435 (Not Sunday): 12070, 7235; 1445-1520 (Not on Sunday): 12070, 7290.

AFGHANISTAN: Radio Afghanistan: EE Px 1530-1600 (1530-1545 News and Cmty) 9550 (irreg and from USSR), 6230; 1900-1930 (1900-1915 News & Cmty); 15077, 9665 (from USSR), 7290 (From USSR).

As we enter into this this a new year, Let us solidarity support this organization. From what little that I know, I look for some great things to happen in SPEEDX this year. I hope that you will become a part of these changes. SUPPORT THIS EFFORT, FOR WITHOUT YOU THERE CAN BE NO SPEEDX. I hope further that with the new year that you will have many loggings (and report them in good form). Enjoy and blessings upon all.



# 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

Happy New Year to all of you! I hope you all enjoyed a happy holiday season. The D81 period is still in effect and will continue until the first Sunday in March. Conditions should continue to be good on the lower bands after dark and the higher bands during the day. Unless otherwise indicated, all schedules are for English broadcasts and times are in GMT. Schedules credited to the BBC Monitoring Service's World Broadcast Information division are used by permission.

**AUSTRALIA.** Radio Australia has this schedule to North America. D81.  
0200-0400 17795, 21740  
1100-1300 9580

Note that the time is now 0200-0400 for our evening transmission.  
(J. Flanagan, K. Krist, W. Pickard, T. Smith, R. Speer, R. Yajko)

**CUBA.** Radio Havana has this English language schedule for the D81 period.

0100-0450	11930	The Americas
0100-0600	11725	"
0330-0600	11760	"
0630-0800	9525	"
1700-1800	17765	Africa
2010-2140	11920	Northern Europe
2050-2140	11725	The Americas
2200-2300	7135	Northern Europe

(J. Hook, K. Krist, R. Moss, M. Witte, R. Hesch, T. Smith, A. Wallace, R. Yajko)

**CZECHOSLOVAKIA.** Radio Prague has this sked printed in their Happy New Year card.

0100-0157	5930	North America
	7345	"
	9540	"
	9740*	"
	11990	"
0300-0357	same	"

\* This frequency replaces 9630 kHz.  
(J. Hook, R. Peterson, T. Smith, R. Yajko)

**GUAM.** KTWR "Trans World Radio Pacific" in Agaña has this D81 schedule in effect.

0000-0030	15265	Asia
0000-0130	17770	"
0745-0930	11840	"
0930-1000	9585	"
1515-1600	11895	"
1530-1600	9640	"

This sked includes DX Listener's log broadcast which is heard on Friday @ 0100, 0915 and Saturday @ 1515.

(M. Johnson)

**HOLLAND.** Radio Nederland has this complete English D81 sked in effect.

0700-0720*	5955L	West Africa
	9895L	"
	11720L	"
	15560L	"
0730-0825	9715B	Australia-NZ-Pacific
	9770B	"
0830-0925	9715B	Australia
0930-1020	5955L	Europe
	6045L	"
	9895L	"
	11930L	"
	17605L	"
1330-1420	5955L	"
	6045L	"
	9895L	"
	11930L	"
	17605L	"
1430-1525	11740M	South, East Asia
	15560L	"
	21480M	"
1830-1920	6020M	Central-South Africa
	15220M	"
2030-2120	9715M	West-Central Africa
	15220M	"
	17605L	"
	17695B	"
	21685B	"
0230-0325	6165B	Eastern North Amer.
	9590B	"
0530-0625	6165B	Western N. America
	9715B	"

Transmitter sites:

L = Lopik, Holland; B = Bonaire;  
M = Talata, Madagascar. \* = Not Sunday  
(E. Fournier, R. Yajko)

**ISRAEL.** Kol Israel has this D81 sked for the Hebrew language Reshet Bet program.

0030-0100*	9815	South USA-Caribbean
	11640	"
	15585	"
0400-0615	9372	Europe-N. America
0615-1400	25605	"
0615-2000	17630	"
1800-2310	9435	"
2000-2310	9372	"
	11655	"

\* = special Hebrew broadcast  
(J. Levin)

LUXEMBOURG. Radio Luxembourg's current English schedule.  
0000-0245 6090  
(S. Alexander)

NIGERIA. The Voice Of Nigeria has this "International Service" schedule.

0500-0600	7255	West Africa
0500-1430	11770	East Africa
0600-0800	15120	N. Africa-Europe
0800-0900	7255	West Africa
0830-1000	15120	N. Africa-Europe
0900-1700	7255	West Africa
1010-1200	15120	North America
1210-1400	15120	Caribbean
1410-1530	15120	Australia
1500-1600	9690	Africa-East-South
	11770	"
1540-1700	15120	India
1700-2100	9690	Africa East-South
1800-1900	15120	N. Africa - Europe
1900-2030	7255	West Africa
2100-2200	15120	North Africa-Europe

Could somebody monitor 15120 between 1010 and 1700 to see if these broadcasts are on the air? I'm doubtful.  
(BBC MS)

PHILIPPINES. Here is the correct Radio Veritas Asia sked which replaces the one printed in November.

0030-0100	15135	Southeast Asia
	15280	"
	17775	"
0300-0330	15210	India - Sri Lanka
	15280	"
	17775	"
1130-1200	9605	Southeast Asia
	11770	"
	15210	"
1430-1500	9605	India - Sri Lanka
	11955	"
	15210	"

(R. Moss)

PORTUGAL. Radio Portugal has this amended North American sked, dated 11-15-81.

0030-0100	6005, 11925
0300-0330	6005, 11925
0530-0600	6005, 9575

Note: 6005 frequency has been moving around so it may change again.

(K. Davidson, T. Smith)

ROMANIA. Radio Bucharest has this sked, dated May 4, 1981 but still current (?) To North America:

0200-0300	5990, 9570, 11725, 11840,	1530-1600
	11940, 15380	
0400-0430	5990, 9570, 11725, 11840,	
	11940, 15380	

(T. Smith)

SIERRA LEONE. The Sierra Leone Broadcasting Corporation in Freetown has this current home service schedule

0558-1030	5980	English, vernacs
1545-2045	5980	

(BBC MS)

SPAIN. Radio Exterior de Espana has what they call their N81 sked in effect. I think they mean D81.

0000-0200	9630	North America
	11880	"
0530-0630	9630	"
	11880	"
1900-2100	9765	Europe
	11840	"

(T. Smith)

SWAZILAND. Trans World Radio has this D81 sked in effect

0430-0445	5055	South Africa	
0445-0630	5055	"	
	11760	"	
0645-0835	7295	"	
	11760	"	
	1200-1400	7295	"
	1600-1700	7195	"
1530-1600*	11740	Central-East Africa	
1600-1700	11740	Central-East Africa	
1800-1935	6070	South Africa	

\* = Sunday only.

(C. George, R. Moss, N. Murff, P. Thompson)

SWITZERLAND. Swiss Radio International has this D81 schedule in effect.

0145-0215	6135	North-Central Amer.
	9725	"
	11715	"
	15305	"
0430-0500	9725	Western N. America
	11715	"
0700-0730	3985	Europe
	6165	"
	9535	"
	9560	"
	15305	S. Asia - Far East
	21520	"
	21695	"
0900-0930	9560	Australia - Far East
	15305	"
	21520	"
	21695	"

1100-1130	3985	Europe
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	6165	"
	9535	"
	15430	Africa
	17795	"
	21520	"
	25780	"
1315-1345	3985	Europe
	6165	"
	9535	"
	15305	Far East - SE Asia
	17785	"
	17830	"
	21520	"

	21570	North America
	3985	Europe
	6165	"
	9535	"
	15125	Africa
	17830	Middle East
	21570	"

1815-1845	3985	Europe
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	6165	"
	9535	"
	15415	Africa
	17830	"
	17850	"
	21570	"

SWITZERLAND (CONT):

2145-2215 3985 Europe  
 6165 " "  
 9535 " "  
 15305 Africa  
 17830 " "  
 17850 " "  
 21585 South America

(L. Talbot, R. Yajko)

TAHITI (Society Islands): Radio  
 Tahiti-FR3 has this sked. Languages  
 are French, Tahitian.

1600-0730\* 6135 4 kw  
 11825 20 kw  
 15170 20 kw

A nice tropical station for listening to on cold winter nights!

\* = to 0900 on Saturday.  
(N. Murff)

TAIWAN: Voice Of Free China in Taipei  
 has this D81 schedule.

0100-0200 11825 North America  
 15345 " "  
 17890 Australia-NZ  
 0300-0350 11825 North America  
 15345 " "  
 17800 " "  
 17890 Australia-NZ  
 1030-1040 5980 Southeast Asia  
 1100-1200 5980 " "  
 1500-1530 5980 " "  
 2030-2130 9610 Africa-ME-Europe  
 9765 " "  
 11860 " "  
 15225 " "  
 17720 " "  
 2140-2240 9685 North America  
 11825 " "  
 15270 " "

(J. Jamieson)

USSR. Radio Kiev's current schedule  
 to North America. Transmitters  
 located all over USSR, not just in  
 the Ukraine.

0030-0100 7150, 9750, 15100, 15240,  
 17870  
 0300-0330 7165, 7320, 9750, 15100,  
 15240, 17870

(J. Flanagan), also (Taylor)

USSR. Radio Moscow's World Service  
 frequencies to North America, valid  
 till April 1982.

0400-0500 600, 6.11, 7.19, 9.80,  
 9.75, 9.61, 11.96\*,  
 11.79\*  
 0500-0600 7.36, 7.19, 7.15, 9.80,  
 9.75, 9.61, 11.96\*, 11.79\*,  
 11.70\*  
 1000-1100 7.19, 9.60, 12.01, 11.77,  
 15.13  
 1100-1200 600, 9.60, 12.01, 11.77,  
 15.13  
 1200-1300 600, 9.60, 12.01, 15.15,  
 15.13, 17.81  
 1300-1400 600, 12.01, 11.84, 15.15,  
 15.13, 17.81  
 1300-1600 5.90, 7.29, 7.17, 7.15,  
 9.79, 9.58\*, 12.01\*, 11.79\*

USSR: (continued):

1400-1500 12.01, 11.84, 15.15, 15.13,  
 17.81  
 1500-1600 11.84, 12.01  
 1600-1700 11.84, 11.86, 12.01, 11.79\*  
 12.05, 9.58, 7.17, 7.29,  
 5.90  
 1800-1900 5.90, 7.29, 9.58, 12.05,  
 12.01\*, 11.79\*, 15.45  
 1800-2000 7.44, 6.01, 9.71, 9.68,  
 9.50\*, 11.86, 11.84, 11.70\*  
 1900-2000 7.29, 9.58, 12.05, 11.79\*,  
 15.45, 17.72  
 2000-2100 600, 7.44, 9.71, 9.68, 9.60  
 11.86, 11.84, 11.70\*, 21.53  
 17.72, 15.45, 11.79\*, 12.05  
 7.29  
 2100-2200 600, 7.44, 7.16, 9.71, 9.68  
 9.50\*, 12.01, 11.70\*, 12.05  
 15.45, 15.14, 17.72, 21.53  
 2200-2300 600, 7.16, 7.11, 9.71\*,  
 9.68, 9.61, 9.50\*, 11.86,  
 12.05, 15.45, 15.14, 17.72,  
 21.53

\* = from March 7th, 1982.

(D. Claytor, R. Fraser, S. Proom)

USA. AFRTS has this current sked  
 from the Delano transmitting site.

0200-0700 17765  
 0430-0700 15330  
 1000-1800 9700  
 1000-2100 11830  
 1800-2200 15330  
 2100-0430 21570  
 2200-0200 25615 (C. Zethmayr)  
 (The rest of the sked is S81 and  
 may be somewhat outdated)  
 0000-0600 21670 Poro-Philippines  
 0200-0700 6030 Greenville, NC  
 0200-0700 6030 Bethany, OH  
 0600-1400 26000 Poro, Philippines  
 0900-1100 9590 Greenville, NC  
 9530 Bethany, OH  
 0900-1200 6030 Greenville, OH  
 1100-1700 15330 Bethany, OH  
 1100-0200 15430 Greenville, OH  
 1200-0200 15330 Bethany, OH  
 1400-1900 21670 Poro-Philippines  
 1700-2300 15345 Bethany, OH  
 1900-0000 15385 Poro, Philippines  
 2300-0700 11790 Bethany, OH  
 (K. Krist)

Well, I hope you find these rather rare AFRTS skeds of use.

Hope this column looks OK. I used the wrong solvent in my liquid paper!

Thanks for the great support!

73, Chris

# UTILITY SCENE

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

AM RTTY USB ISB  
LSB CW FAX A3H

COLUMN  
COVERAGE  
0-30 MHz  
H.F.

DEADLINE:  
12th Day of  
the Month

HELLO GANG: Commencing with this issue, the Utility Scene adopts the rotated format... This particular issue will be a hybrid. Pages 1 through 7 are rotated. Pages 8 & 9 are in the standard arrangement, and are carrying the list of Country Abbreviations, that will be henceforth used... Save the list, for it is presented in this issue only....

.... To "read" the ute column, you will scan down this left hand side, straight through to the abbreviations - then back to this lead page, and down the right hand column... In effect, the usual format will be (2) 9 page side by side columns... As this is a new presentation system, any and all comments/suggestions, are welcomed.

.... The official name for the new SUG will be: "Speedx Global Utility Guide" (SGUG). Most of the preliminary data acquisition is now complete tracking down specific data, needed to bring sections to a finalized status, is now in process. Unanticipated delays in obtaining this critical data, is pushing back final drafts on most sections. Be patient. As you may know, the SGUG had to virtually start from scratch. Data from you has been a very big help in speeding this process along. For now, the methodical approach of additional data gathering, cross checking, & initial drafting, is in process.....  
..... Now onto the loggings.....

**MTC**

## \*\*\*\* NORTH AMERICA \*\*\*\*

AK...: 4125 NOJ- CS Kodiak with missing boat ann. (RBC/GA)  
6506.4 U 1235 NOJ- CS Kodiak wkg Tango 6 Oscar (JDM/MN)  
8628.5 C 0625 NOJ- CS Kodiak CQ/QSX/QRU mkr (AM/UK)  
13247 U 1909 AKA- Elmendorf Awsy wkg Trout 99 (GR/IL)  
13334 3 0355 Anchorage Aero - VOLMET b/c (GH/MEX)  
BER.: 17285 C var. VRT- C&W St. Georges - V mkr (GLT/NN) (JS/IL)  
CAN.: 17285 U 1230 VRT- C&W St. Georges - tfc ? (RD/MA)  
0405 VAK- CG Victoria - WX b/c (RBC/GA)  
2987 3 0325 VFG- Garder Aero wkg TWA 42 (AJR/NY)  
3330 A var. CHU- SFTS Ottawa (PT/CA) (RGR/ONT)  
4270 C 0515 CKN- CANMIL Vancouver - V mkr (JB/TX)  
4285 C 0550 VCS- CG Halifax - Cq mkr (JB/TX)  
4263.6 U 0429 CFH- CANMIL Halifax ckg HMGS Huron (RBC/GA)  
5624 3 0530 VFG- Garder Aero wkg Tiger 249 (RD/MA)  
6946 C 0140 CKN- CANMIL Vancouver - tfc (BA/PA)  
7335 A var. CHU- SFTS Ottawa (KMK/VA) (JHD/PA)  
8453 C 0033 VAI- CG Vancouver - V/QSX mkr (PT/GA)

FFPO: 6265a C 1020 FUM- FF NAVRAD Papeete - V mkr (RMA/LA)  
8624 C var. FUM- FF NAVRAD Papeete - V mkr (GLT/NN) (AV/FA)

## \*\*\*\* ANTARCTICA \*\*\*\*

6283 C 0521 RUZU - Molodezhnaya Base - ID mkr (SK/GA)  
8997 U 0416 Xray Delta 04 (VXB-6 a/c) wkg McMurdo Center (GR/IL)  
8997 U 0826 NQV- Siple Station wkg McMurdo Center (MTC/AZ)  
8997 U 0704 Xray Delta 03 (VXB-6) wkg McMurdo Center (MTC/AZ)  
9106 U 2348 ZBH- Grytviken wkg Halley Bay, Rothera, etc (AM/UK)  
9106 U 2346 ZBH- Grytviken wkg Faraday, Rothera, Halley (FJO/OH)  
11552 U 0446 NQV- Siple Station wkg South Pole Station (LJS/CO)  
13383 C 1250 RUZU- Molodezhnaya Base - tfc with ??? (TS/BC)  
14335 U 0450 KG40SY-(HAM)McMurdo sta- p/p via W6EZF (TFS/CA)  
Unit IDs: FARADAY - British Antarctic Survey sta - ZHF44  
GEOERG-VON-NEUMAYER - German Antarctic sta - call ltrs unkn

## \*\*\*\* SHIPS \*\*\*\*

2182 U 0521 KGWT- Carla C. Thompson ckg CG San Diego CA (RBC/GA)  
2182 U 0304 HCRA- Rio Amazona ckg unid sta (RBC/GA)  
4125 U 0534 WC2090- Polar Merchant ckg Blarney (RBC/GA)  
4419.6 U 0409 WY78493- John Greg wkg KDL Houston TX (RBC/GA)  
4419.4 U 0350 WTP4482- Crusader wkg KNG Seattle WA (RBC/GA)  
4419.4 U 0402 WV9903- Sea Lion wkg WV9112 Sea Wolf (RBC/GA)  
5696 U 0037 NVAI- CGC Valiant wkg CG 5787 (RL/GA)  
5696 U 0103 NUHC- CGC Decisive wkg CG 7240 (RL/GA)  
6506.4 U 0055 NNGR- CGC Tamara ckg CG Miami FL (HCB/WA)  
6506.4 U 1354 NJFU- CGC Reliance ckg CS Portsmouth VA (JDM/MN)  
6506.4 U 0030 NNHB- CGC Yacona wkg CS San Francisco CA (HCB/WA)  
6506.4 U 1602 NRPQ- CGC Citrus wkg CS San Francisco CA (JDM/MN)  
6506.4 U 0500 NRUOC- CGC Storis ckg CS Kodiak AK (HCB/WA)  
6506.4 U 1625 CGC Olander wkg CS Portsmouth VA (JDM/MN)  
6518.8 U 0815 NODY- CGC Acacia ckg CG Miami FL (HCB/WA)  
6708 U 1144 UTC Liberty (SSSup) wkg Cape Radio (TW/MC)  
6708.5 U 1145 UTC Liberty (SSSup) wkg UTC Freedom (FJO/OH)  
8198 U 0317 LAPJ- Nordic Prince wkg WOM (DH/VA)  
8217a U 1610 KWHH- Seattle wkg WOO (JJF/RL)  
12333.1 U 1710 Exxon Amber Dawn wkg KMI (HCB/WA)  
12345.5 U 2123 LFPC- Delfin p/p via WOM (RL/CA)  
12345.4 U 2120 MAGEF7- Old Man of England p/p via WOM (RL/CA)  
12407.5 U 1229 JEXT- Lindblad Explorer p/p via VIP Perth (MTC/AZ)

8868 3 var. VFG- Gander Aero - VOLMET (RD/MA) (RSR/ONT)  
 8910 3 0039 VFG- Cambridge Aero wkg Empress 386 (AJR/NY)  
 13237 3 0451 VFG- Gander Aero - VOLMET b/c (CH/MEX)  
 14620 U 0702 XJE57(?) RCMP Ottawa - voice scrambler t/c (TS-BC)  
 15035 U 2040 CJX- CANNIL St. Johns - Aero WX (RF/MA)  
 15035 U 2023 CHR- CANNIL Trenton - Aero WX (JR/MG)  
 15035 U 2034 VXA- CANNIL Edmonton - Aero WX (HCB/WA)  
 17486 U 1955 VDD- CANNIL Debert clg VFL for r/c (AM/UK)  
 GRLD: 13201 U 2200 XPH- Thule Aways wkg ??? (HCB/WA)  
 MEX.: 4419.4 U 0420 XFL2- Mazatlan MARCO clg Alante (RBC/GA)  
 11177.8 U 2626 Guadalupe clg Mexico - SS/OM (RL/GA)  
 USA.: 2182 U 0626 NMB3- CG Charleston SC clg Texaco Rhode IS (RBC/GA)  
 2670 U 0310 NMF2- CG Woods Hole wkg Nantucket Shoals (AV/PA)  
 2670 U 0021 NMY41- CG Shinnecock NY - NTM (AV/PA)  
 2670 U 1015 NMX- CG Cape May NJ wkg CGC Alert (AV/PA)  
 3001 3 var. WSI77θ- New York Aero- VOLMET (P/O/NH) (RSR/ONT)  
 4342 C 0330 WY1- Amagansett MARCO - CQ/QSX mkr (BA/PA)  
 4363.6 U 0319 WOM- Ft. Lauderdale MARCO wkg Americana (DH/VA)  
 4428.7 L 0532 NNM- CS Portsmouth - hurricane notice (PTK/IL)  
 5320 U 0015 NMG- CS New Orleans wkg CGC Salvia (GR/IL)  
 5519 3 0536 San Francisco Aero - VOLMET (RM/AZ)  
 5610 3 1440 San Francisco Aero wkg United 2 (TFS/OA)  
 5696 U 0044 NMX- CG Cape May NJ wkg MNM Portsmouth (RL/GA)  
 6365 C 0310 KFS- San Francisco MARCO - CQ mkr (BA/PA)  
 6506.4 U var. WNM- CS Portsmouth- NTM (DH/VA) (OH/MEX) (KWK/VA)  
 6521.9 U 1340 WMC- Pittsburgh INMAR wkg WY2336 (RL/GA)  
 7356 L 1605 CO Army NG- Camp George West- roll call (LJ/S/CO)  
 8616 C 1621 WFD- Tampa FL MARCO wkg Export Defender (\*JB/TX)  
 8658 C 0015 WSL- Amagansett NY MARCO - t/c ??? (BA/PA)  
 8731 U 0608 KHY- San Francisco MARCO - WX b/c (RD/MA)  
 8875 3 0500 San Fran Aero wkg Air Canada 014 (RM/GA)  
 8989 U 0552 AFI- McClellan Aways wkg Foxtrof Alia 816 (AJR/NY)  
 9180 U 2207 AFA- Andrews AFB MD wkg SAM 8697θ (GR/IL)  
 10140 U 0412 KK2JM- Amateur experimental xmsn (RD/KS)  
 10780 U 1239 Cape Leader wkg King Alfa, Bravo, etc (MDC/NT)  
 11246 U 2210 AFE8- MacDill Aways wkg CG 1344 (RD/MA)  
 11246 U 1751 AFE8- MacDill Aways with Capsule b/c (RL/GA)  
 11367 3 1703 KEA5- New York Aero wkg N524AC (AJR/NY)  
 11367 3 2040 KEA5- New York Aero wkg American 662 (RD/MA)  
 11367 3 2047 KEA5- New York Aero wkg American 658 (JS/IL)  
 12353 U 1605 WOM- Ft. Lauderdale MARCO wkg Lady Nina (JB/TX)  
 12886.5 C 1245 WLO- Mobile AL MARGO DE mkr (AV/PA)  
 13051.5 C 1621 WFD- Tampa FL MARCO - CQ mkr (\*JB/TX)

12407.5 U 1201 VKLB- HWAS Hobart p/p via VIP Perth (MTC/AZ)  
 13126 U 0204 Carla Sea p/p via WOM Ft. Lauderdale FL (WS/ONT)  
 14467 U 0016 NNNWXY- CGC Chase p/p via NNNWJVG (MTC/AZ)  
 14470 U 0312 NNNWCB- USS John F. Kennedy p/p via NNNWJZK (MTC/AZ)  
 14478 U 2336 NNNWCVS- USS Mississippi p/p via NNNWJLV (BW/FL)  
 16518.9 U 1945 Benjamin Harrison wkg WOO (HCB/WA)  
 16587.1 U 1735 WHML- Exxon Boston clg KHT Boston MA (HCB/WA)  
 16587.1 U 2020 Saratoga wkg WYZ ?? (HCB/WA)  
 16590 U 0005 GYAS- Bomfler wkg VSD Halley Bay Antarctica (GR/IL)

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

U 2256 USAF Rescue 24 - xmr test with m/v Boulderiam (RL/GA)  
 U 0243 German AF 5θ94 wkg Gander Aero (RL/GA)  
 3 0244 Clipper 2 wkg Gander Aero (RL/GA)  
 U 1430 CG 1190 wkg CG R. Miami FL (RL/GA)  
 U 0145 CG 1502 p/p to ROC via CS San Francisco (RL/GA)  
 var. CG 1504 wkg NY ROC via MNM (RL/GA) (GB/GA)  
 U 2330 CG 502 wkg CGAS Corpus Christi TX (RL/GA)  
 U 0129 CG-02 wkg CGAS Port Angeles WA (RL/GA)  
 U 0116 MAC 62138 wkg Croughton Aways (RL/GA)  
 3 0343 Laker 12 wkg San Juan Aero (HCB/WA)  
 3 0107 Clipper 427 wkg Panama Aero (HDT/WV)  
 3 0036 Dominicana 906 wkg New York Aero (HDT/WV)  
 3 2328 Clipper 121 wkg San Francisco Aero (TFS/GA)  
 U 0005 Springbok 255 & 201 wkg (LDOC) Springbok Control (RL/GA)  
 3 0016 KLM 778 wkg San Juan Aero (RL/GA)  
 3 2315 Air France 467 wkg Khartoum Aero (RL/GA)  
 3 0500 American 121 wkg San Juan Aero (JF/RI)  
 3 0233 KLM 567 wkg Khartoum Aero (JDM/MN)  
 3 0136 Lufthansa 535 wkg Cairo Aero (JDM/MN)  
 U 0220 Pakistan 714 wkg (LDOC) Karachi (MDC/NY)  
 U 2238 USAF Rescue 24 wkg CG R. Miami FL (RL/GA)  
 U 2320 CG 1475 wkg CGAS Astoria OR (HCB/WA)  
 U 0025 CG 1502 clg McClellan Aways (HCB/WA)  
 U 0625 MAC 60305 p/p Ramstein CP via Croughton Aways (HCB/WA)  
 U 2225 Air Evac 60187 clg MacDill Aways (TS/BC)  
 C 1215 Aeroflot 342 wkg Havana Aero (TS/BC)  
 3 1353 N881PA wkg New York Aero (RL/GA)  
 3 1350 Cubana 475 wkg New York Aero (RL/GA)  
 3 1323 Bianca 440 wkg New York Aero (JDM/MN)  
 3 1852 N113SM clg Gander Aero (RL/GA)  
 C 1200 Aeroflot 342 wkg Moscow Aero (TS/BC)  
 U 2153 MAC 60178 wkg Loring Aways (GS/IL)

\*\*\*\* TACTICAL \*\*\*\*

U 0402 November Delta 014 wkg CS San Francisco CA (RBC/GA)

USA.: 13125 WOM- Ft. Lauderdale MARCO - marine WX (FAV/GA)  
 13272 3 var. WSY70-New York Aero-VOLMET (CH/MEX) (KWK/WA)  
 13048 U 1712 AFA- Andrews AFB MD wkg Sker (HCB/WA)  
 15623 C 1857 WFI35-New York - V mkr (SK/CA)  
 16320 U 1741 AFA- Andrews AFB MD wkg SAM 31681 (GR/IL)  
 16587.1 U 1740 KFC- Seattle MARCO c/g Northern Aurora (HCB/WA)  
 17232.9 U 1308 WOM- Ft. Lauderdale MARCO wkg H08156 (\*JB/TX)  
 17326 U 0000 WOO- Ocean Gate MARCO - test xman (RD/MA)  
 17810 U 1728 WOM- CS Portsmouth VA - marine WX (RSR/ONT)  
 17965 U 0202 Rockwell Flight Test wkg 70 Charlie Romeo (LJS/CO)  
 18493a C 2157 KKN50-USDS Wash DC-QRA/QSX mkr (RMA/IA)  
 18525 C 1525 KKN50-USDS Wash DC-QRA/QSX mkr (JDM/MN)  
 19465 C 1725 KNY23- CZ Emb. Wash DC - c/g OMZ Prague (AM/UK)  
 19849.2 C 1735 WFK39- AF New York - QRA/MC mkr (RMA/IA)  
 20192 S 1101 (SSSup) Shuttle launch control am. (FJO/OH)  
 20198 L var. (SSSup) Shuttle launch control am. (MWJ/ID) (TM/NC)  
 20225 C 1710 NAM- NCS Norfolk VA - V mkr (SK/GA)  
 20623.2 U 1653 NNN0RI USN MARS Hueneme CA wkg NNN0RPS (AM/UK)  
 15591 C 1444 NAM- NCS Norfolk VA - V/Cq mkr (RSR/ONT)

\*\*\*\* CARIBBEAN \*\*\*\*  
 BARB: 8449.3 C 2320 8FO- C&W Bridgetown - Cq mkr (PLO/NH)  
 GIT.: 14130 U 1255 MAW34- AACR - OM/EE/VM (PTK/IL)  
 13765 U 1255 NAW36- AACR - OM/EE/VM (JDM/MN)  
 MART: 8475.5 C 0050 FUF- FF NAVRAD Ft. de France- V mkr (JDM/MN)  
 15961.2 C 0715 FUF- FF NAVRAD Ft. de France- V mkr (HCB/WA)  
 22540 C 2030 RJK232- DU NAVRAD Suffisant- V/MC mkr (JHW/NJ)  
 P.R.: 8471 C 0216 MWR- CG San Juan - Cq mkr (JWE/TN)  
 TRIN: 6470.5 C 2300 GI- North Post MARCO - Cq/lfc list (AM/UK)  
 8441.5 C 0105 6VI- North Post MARCO - Cq/lfc list (JDM/MN)

\*\*\*\* SOUTH AMERICA \*\*\*\*  
 ARGN: 5498a 3 0027 Cordoba Aero - VOLMET b/c (CMS/ONT)  
 5882 A 0108 R. Rivadavia Feeder b/o-SS/OM (PT/CA)  
 10390 C 2347 AYV47- INTERPOL Buenos Aires-c/g FSB47 (AM/UK)  
 14817.5 C 1955 AYV48- INTERPOL Buenos Aires- wkg ZPN (AM/UK)  
 17045.6 C 0120 LFPD46- G.P.R. - V/Cq mkr (JDM/MN)  
 4413 U 1100 PFL- EMBRATEL Belem MARCO - ??? (RD/MA)  
 BRZL: 8502 C 0227 PFL- EMBRATEL Belem MARCO - Cq mkr (JWE/TN)  
 8520 C 2338 PPO- EMBRATEL Olinda MARCO- Cq mkr (PLO/NH)  
 10049 3 0325 Recife Aero wkg Lan Chile 171 (A.JR/NY)  
 17131 C 2118 PHZ- Rio de Janeiro NAVRAD- V mkr (PAG/UK)  
 20600 U 1120 FUZ4- Brasilia Police wkg Wash DC (TIS/BC)  
 22420 C 0220 PPR- EMBRATEL Rio de Janeiro- V mkr (GLT/NM)  
 CHIL: 8510 C 0035 CGM- Magallanes NAVRAD - V mkr (AM/UK)  
 12714 C 0035 CBV- Valparaiso MARCO - Cq mkr (AM/UK)

4810 U 1215 Zulu 6 Oscar wkg Yankee 7 Foxtro (RMA/IA)  
 5696 U 0047 Alfa Mike 532 wkg CS Boston MA (RL/GA)  
 5703 U 0017 Sierra Uniform 146 wkg RCG via CS Boston p/p (RL/GA)  
 5706 U 0122 Fireside 3 (Shaw AFB) r/c with a/c 6459 (RL/GA)  
 5817 L 1503 Travel Engineer wkg Travel 5 (LJS/CO)  
 5865.5 U 0046 Juliet 9 India wkg ships in naval exercise (MTC/AZ)  
 6750 U 0527 GULL 13 (WX/R) wkg Rhein Main via Croughton (GS/IL)  
 7527 U 0040 Rampart wkg Slingshot (GR/IL)  
 8964 U 0130 Feather wkg Hickam Aways (JDM/MN)  
 8989 U --- Army 22934 c/g McClellan Aways (HCB/WA)  
 8989 U 0125 Mask 44 wkg MacDill Aways (JDM/MN)  
 8989 U 1902 Bing 17 wkg McClellan Aways (TFS/GA)  
 8989 U 0154 Lovejoy wkg McClellan Aways (RL/GA)  
 8989 U 0230 Stargate 4 wkg McClellan Aways (JDM/MN)  
 8993 U 0023 Agar 06 wkg Ascension Aways (GS/IL)  
 9002a U 1253 TPAAL 37 p/p to Miami Monitor via MacDill Aways (JDM/MN)  
 9006 U 2332 Madison wkg Washington (RL/GA)  
 9006 U var. Gull Photo (SSSup) wkg Cape R./Tinker 1 Charlie (GS/IL)  
 9010 U 1302 SWAN 11 p/p to Swan Ops via Clark Aways (MTC/AZ)  
 9018 S 2050 SWAN 31681 wkg Andrews AFB MD (TM/NC)  
 9024 U 0500 Edgy 15 p/p to Radar Repair via Scott Aways (GS/IL)  
 9220 U 0003 Kilgore wkg Butter 01, Canary Seed, Hardball 39 (GR/IL)  
 10780 U var. Cape Leader wkg King Alfa, Bravo, etc (FJO/OH) (TM/NC)  
 10804 L 2017 Abnormal 10 wkg Agar 21 (GS/IL)  
 11176 U 2328 Navy 52687 wkg Croughton Aways (GS/IL)  
 11176 U 1213 Readout wkg Century 25 (MDC/NY)  
 11179 U 2048 Donut 62 p/p to Sea Bee via MacDill Aways (MDC/NY)  
 11182 U 2237 SAM 12288 p/p to Andrews AFB via Scott Aways (HCB/WA)  
 11182 U 0343 Trout 99 p/p AF Ops Andrews via Scott Aways (GS/IL)  
 11182 U 2106 Edgy 27 p/p Raymond 24 via Scott Aways (GS/IL)  
 11186 U 0422 Crosscut (ASWOC-NAS Barbers Pt) wkg D.M.848 (LJS/CO)  
 11215 U 2204 Raymond 24 r/c with Bush 01 & 02 (MDC/NY)  
 S 2231 Miracle wkg Kappe 61 (JS/IL)  
 11243 U 0054 Mincedat wkg Tiptoe, Broadloom, Sundance (MWJ/ID)  
 11243 U 2310 Squad Car wkg 2104 Alfa (RD/MA)  
 11243 U 0052 Upset 61 wkg Punch Hit & Upset 51 (MDC/NY)  
 11243 U 1758 Tomahawk r/c with Modifi via Pyramid (MDC/NY)  
 11246 U 1526 Agar 91 wkg MacDill Aways (RL/GA)  
 11246 U 1500 Navy 82 Hotel 0 wkg MacDill Aways (RL/GA)  
 11246 U 1457 Bolzar 50 p/p to 21st Metro via MacDill Aways (RL/GA)  
 11246 U 1325 Dragnet p/p Sensor Alfa via MacDill Aways (RL/GA)  
 13181.4 U 0422 Bag Money c/g Strike (MTC/AZ)  
 13218 U 1644 Abnormal 20 (SAMTC) wkg Abnormal 10 & Agar 07 (GR/IL)  
 15015 U 1908 Bozo 20 c/g Albroom Aways (RL/GA)

15048 U 2145 Air Force 1 p/p via Andrews AFB MD (SBP/CO)  
 17983a U 2038 Ascot 603 (RAF a/c) wkg unid RAF sta (GR/IL)  
 18005 U 0352 Ragamuffin wkg Open Door (GS/IL)  
 18666 U 1742 Flint 357 wkg Tropic Air via Atlas (GS/IL)  
 18666 U 1748 Atlas (DEA) clg Shark 629 (GS/IL)  
 18666 U 0041 Bronco JBA, Atlas, Flint 357 wkg each other (GS/IL)  
 18666 U 1957 Omaha 40 Uniform p/p to Tiburon via Atlas (MTC/AZ)  
 18666 U 2033 Shark 627 wkg Atlas (MTC/AZ)  
 23441 U 0049 Survey wkg 02 (LJS/CO)  
 24892 U 0038 27 Lima Uniform wkg Sierra Golf 1 Tango (LJS/CO)

\*\*\*\* NUMBERS/BEACONS \*\*\*\*

3090 A 0019--- S/Y 5d ATT 005-100 26Nov81 (JV/MN)  
 3090 A 0018- + S/Y 5d 25Nov81 (CE/GA) (RL/GA)  
 3125 A 0745--- S/Y 5d (333) 10Nov81 (PT/GA)  
 4205 A 0321--- S/Y 4d (433) 05Nov81 (PTK/IL)  
 4665 A 0302--- S/Y 4d (343) 12Nov81 (PTK/IL)  
 4670 A 0305--- S/Y no eps- repeat of 545 16Nov81 (MS/ONT)  
 4670 A 0301-10 S/Y no eps- repeat of 545 (444) 26Nov81 (DH/VA)  
 4670 A 0324-52 S/Y 4d 03Dec81 (CB/GA)  
 4785 A 0312--- S/Y 5d (544) 10Nov81 (KWD/SC)  
 5015 A 0019-21 G/Y 5d (322) Erde 02Dec81 (LC/OH)  
 5812 A 0229--- S/Y 4d 24Nov81 (CB/GA)  
 5812 A 0215-38 S/Y 4d Gruppo 162 (444) 23Nov81 (DH/VA)  
 5935 A 0743--- S/Y 5d (544) 28Nov81 (PTK/IL)  
 6780 A 0802-12 G/0 5d 224(x2)26 240 24 29Nov81 (JV/MN)  
 6840 A 0200-30 E/Y 5d 907 10G Count 93 (555) 07Dec81 (JN/MN)  
 6860 A 0812--- G/Y 5d 06Dec81 (JV/MN)  
 7406 A 0636-50 G/Y 5d (444) 15Nov81 (DH/VA)  
 7445 U 0216-20 E/Y no eps- K.P.A.2 repeats (555) 03Dec81 (RL/GA)  
 7476 A 0805-08 S/Y 5d (FX2) 01Dec81 (JV/MN)  
 7533 A 2203--- G/Y 5d A.S.(MM) 01Dec81 (JV/MN)  
 8190 A 0702--- G/Y 5d N in Morse 27Nov81 (JV/MN)  
 8425 A 2334--- E/Y no eps- S.Y.N.2 repeats/564-5kgz (CMS/ONT)  
 8929 A 0448-50 E/Y no eps- C.I.O.2 repeats (222)05Dec81 (JJF/RI)  
 9070 A 0318-40 S/Y 4d (434) 04Nov81 (PTK/IL)  
 9430 A 0822--- S/Y 5d ATT 140-134 (444) 28Nov81 (PTK/IL)  
 9435 A 0444-48 S/Y 5d 01Dec81 (CB/GA)  
 10125 A 1014-19 S/Y 5d ATT 278-40 (444) 13Nov81 (RMA/IA)  
 10466 U 0103-36 (2)S/O-repeating 13d to each other 06Dec81 (CE/GA)  
 10740 U 0314-19 E/Y 5d (333) End of Info 13Nov81 (LC/OH)  
 11054 A 0410-20 S/Y 5d (444) 01Dec81 (RMA/IA)  
 11054 A 0401--- S/Y 5d ATT 525-170 08Dec81 (JV/MN)  
 11270 A 0803--- G/Y 5d (323) 28Nov81 (PTK/IL)  
 11273 A 0800--- G/Y 5d 946 10G Gruppe 154 14Nov81 (JV/MN)

CHIL: 13526.5 C 2055 CCS- Santiago NAVRAD - V mkr (AM/UK)  
 16956 C 2059 CBV- Valparaiso MARCO - CQ mkr (PAC/UK)  
 13087 C var. HKB- Barranquilla MARCO- CQ mkr(BA/PA) (JDM/MN)  
 COLO: 3815 HD210A- SFTS Guayaquil - SS/OM ID (RSR/ONT)  
 ECUA: 7600 A var. HD210A- SFTS Guayaquil (RM/AZ) (KWK/VA)  
 FALK: 24145 S 1321 VP024- CW Port Stanley- EE/OM/VM (PJO/OH)  
 GUY.: 12709 C 0025 8RB- Demerara MARCO - CQ/GFU/QSX mkr (AM/UK)  
 URGY: 12750 C 0110 CWB- Gerritto MARCO - CQ mkr (JDM/MN)  
 VENE: 6100 A var. YVTO- SFTS Caracas-(KWK/VA) (RSR/ONT) (PT/GA)  
 YVU- La Guayra MARCO - V mkr (JDM/MN)

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

AZOR: 6335a C 0515 CTH- PP NAVRAD Horta - V mkr (AV/PA)  
 8945 3 0400 CSV- Santa Maria Aero wkg Nigeria 041 (RM/GA)  
 BELG: 8652 C 2300 CST42- Oostende MARCO - V mkr (BA/PA)  
 13067 C 1953 CST44- Oostende MARCO - V mkr (MWJ/PA)  
 BUL.: 8532 C var. LZM42- Varna MARCO- DE mkr (JWE/TN) (PLO/NH)  
 CZEC: 3170 C 0215 CLB5- SFTS Prague - pips (WJP/FL)  
 16394.3 C 0802 OMZ- MFA Prague - CQ mkr (AM/UK)  
 DEN.: 8598 C 0320 CX248- Lyngby MARCO - CQ mkr (GLT/NA)  
 12916.5 C 0335 OX26- Lyngby MARCO - CQ mkr (RMA/IA)  
 ENG.: 4252 C 0402 GK02- Portishead MARCO - V mkr (JB/TX)  
 4310 C 1656 MT1- Plymouth NAVRAD - V mkr (PAC/UK)  
 4721 U var. MVJ- West Drayton VOLMET - (SH/QIE) (KWK/VA)  
 11200 U 1640 MVJ- West Drayton VOLMET - (JDM/MN)  
 13365 C 1050 GFT29- Bracknell R. - V mkr (RMA/IA)  
 17030.8 C 2021 CYC- London NAVRAD - ID mkr (JHW/NU)  
 1851.7 C 1240 AP London - GRA Pix mkr (AM/UK)  
 22449 C 1825 GK04- Portishead MARCO - CQ mkr (ME/MA)  
 FIN.: 16923.6 C 0350 OFU- Helsinki MARCO - ID mkr (GLT/NA)  
 FRAN: 4237 C 0343 HNM- FF NAVRAD Paris - V mkr (JB/TX)  
 5125 C 1635 P0Z- MFA Paris - V/GQ + test msg (AM/UK)  
 5461.5 C 0740 FDI21- FF AP Nimes wkg FDI Aix-les-Milles (AM/UK)  
 8453 C 0215 HNM- FF NAVRAD Paris - V mkr (JME/TN)  
 8808.8 U 2306 FFL41 - St. Lys MARCO - FF/OM tfc list (RL/GA)  
 10775 C 1953 FTK77- SFTS St. Assise - (RME/NY)  
 12912.6 C 2110 FFL6- St. Lys MARCO - V/CQ mkr (JDM/MN)  
 13873 C 2225 FTK87- SFTS St. Assise (WJP/FL)  
 17040.8 C 2013 FFS6- St. Lys MARCO - CQ mkr (JHW/NU)  
 17180 C 1830 HNM- FF NAVRAD Paris - V mkr (SK/CA)  
 17243 U 1926 FFL83- St. Lys MARCO - tfc (RME/NY)  
 GDR.: 4525 C 0250 Y39- SFTS Nauen - pips (WJP/FL)  
 6466 C 0040 Y5H- Rugen MARCO - V mkr (BA/PA)  
 2745 C 0045 DHJ58- GG AF Flensburg - V mkr (AM/UK)  
 8638.5 C 0000 DAM- SFTS Norddeich/Hamburg (WJP/FL)

FRG.: 8672.5 C 0422 DAF- Norddeich MARCO - V/DE mkr (JUF/RI)  
 11039 C 1957 DDH9- Flinthebe - Cq mkr into WX b/c (AV/PA)  
 13231 U 1925 VEG- CANMIL Laher - WX b/c (GR/L)  
 GREE: 8536 C 0400 SYF- Athens MARCO - DE mkr (BA/PA)  
 13046 C 2315 SVA- Athens MARCO - DE mkr (BA/PA)  
 17108 C 0200 SVD- Athens MARCO - V mkr (SK/CA)  
 HOLL: 4054 C 2340 PAC27- DU NAVRAD Katwyk - wkg PCB (AM/UK)  
 4252 C 0404 Scheveningen MARCO - Cq mkr (JB/TX)  
 HUNG: 8451 C 2324 HAR- Budapest NAVRAD - V mkr (FLO/NH)  
 4289 C 1652 TPA- Reykjavik MARCO - Cq mkr (PAC/UK)  
 ICE.: 8910 3 2309 Reykjavik Aero wkg Scandanavian 980 (AJR/NY)  
 ELRE: 2889 3 0605 EIP- Shannon Aero - VOLMET (DH/VA)  
 ITALY: 3039A C 0235 IDR8- IT NAVRAD Rome - V mkr (PLO/NH)  
 4282 C var. IDQ - IT NAVRAD Rome - ID mkr (JHW/NJ) (JB/TX)  
 0627 C 0627 IDR2- IT NAVRAD Rome - V mkr (JBW/TX)  
 8610a C 2201 IAR- Rome MARCO - V mkr (JUF/RI)  
 8695 C 2219 IRM- GRM Rome - V mkr (JUF/RI)  
 13015.3 C 2122 IAR3- Rome MARCO - V mkr (JDM/MN)  
 17254.6 C 1649 IOB- Genova MARCO - EE/IT/OM/VN (PTK/IL)  
 MONA: 8728.2 A 1203 3AC8- Monte Carlo MARCO - QTC 11st (PAC/UK)  
 NOR.: 12961 C 0010 LFI- Rogaland MARCO - Cq/QSX mkr (BA/PA)  
 13980 C 0658 LCO- Radio Press Oslo - MC mkr into NN/NX (AM/UK)  
 16928 C 0351 LGU- Rogaland MARCO - Cq mkr (ME/MA)  
 17253 C 1940 LFN6- Rogaland MARCO - NN t/c (RMH/NY)  
 PORT: 4280 C 0545 CTP- NATO Oelras - DE mkr (JB/TX)  
 8551 C 0238 CTP- NATO Oelras - ??? (JWE/TX)  
 16986 C 1930 CTP97- NATO Oelras - DE/QSX mkr (BA/PA)  
 ROMA: 4002 C 0005 YRR4- Bucharest Metro - Cq mkr (AM/UK)  
 SCOT: 2182 A 1620 GNE- Oban MARCO - ??? (PAC/UK)  
 SPAN: 1730 A 2001 Barcelona MARCO - wkg SYLL Aegdis Leader (PAC/UK)  
 4053 C 0010 Bequil9- Oviedo Police- r/c EEQ Madrid (AM/UK)  
 4211 C 0605 EEA- Madrid NAVRAD - EQCq mkr (JB/TX)  
 8618 C 0325 EDZ4- Aranjuez MARCO - Cq mkr (BA/PA)  
 12934.5 C 0227 EDZ5- Aranjuez MARCO - Cq/QSX mkr (RMA/IA)  
 14641 A 1655 EBA- Madrid NAVRAD - Cq mkr into WX (AM/UK)  
 22446 C 2015 EAD6- Aranjuez MARCO - t/c list (RMA/IA)  
 SWED: 8498 C 2330 SAG4- Goteborg MARCO - Cq mkr (FLO/NH)  
 12980 C 1710 SAG6- Goteborg MARCO - Cq mkr (ME/MA)  
 SWIT: 22345 C 1915 HEB- Berne MARCO - V mkr (SK/CA)  
 TURK: 8612 C 2305 TAH- Istanbul MARCO - V/Cq mkr (BA/PA)  
 USSR: 8933 3 0522 Baku Aero - VOLMET (AJR/NY)  
 10121 C 0056 RG124- Radio Moscow feeder - (RMH/NY)  
 12797 C 1911 UDK- Nurmansk MARCO - V mkr (SK/CA)  
 C var. R1W- Khiva NAVRAD cig RMOS & RMGZ (MDC/NY)  
 1450a C 2315 R1W- Khiva NAVRAD cig CMU967 (AM/UK)

11530 A 0202-47 S/Y 4d 858 10G (333) 12Nov81 (PTK/IL)  
 11618 A 0332-36 S/Y 5d 10Nov81 (PTK/IL)  
 12950 A 0347-51 E/Y no gps- V.L.B.59 repeats 26Nov81 (JN/MN)  
 13150 A 0000--- E/Y 5 ltr gps 26Nov81 (JN/MN)  
 13452 A 2305-42 S/Y 4d 424 10G gruppno 180 (544) 30Nov81 (RMA/IA)  
 14420 A 2302--- S/Y 5d ATT 198-100 07Dec81 (JN/MN)  
 14500 U 1925-28 S/O 15d gps 27Nov81 (CB/GA)  
 14500 U 1920-29 S/O 9,10 & 15 dGPS (444) 27Nov81 (RL/GA)  
 14683 A 0001-08 S/Y 5d ATT 722-50 27Nov81 (JN/MN)  
 14947 L 0740-46 G/Y 5dd 29Nov81 (JN/MN)  
 16107 A 0428--- AA/O 5d (Arabic??) 04Nov81 (WS/ONT)

\*\*\*\*\* RADIOTELETYPE \*\*\*\*\*  
 ARGN: 14482.3 2213 LUB- AF Buenos Aires - Rys (JK/FRG)  
 AZOR: 13222 0245 CSY- Santa Maria Metro- Rys 66/850r (ME/MA)  
 CAME: 9136a 0506 TUK- Doula Rys 66/425n (FJO/OH)  
 CUBA: 14928 0120 CLN45- Prensa Latina Havana- SS/NX 66/425N (BA/PA)  
 EGPT: 10150 2230 SUA246- MENA Cairo - AA/NX 66/425r (BA/PA)  
 ENG.: 10961 0135 GBF30B- Reuters London- EE/NX 66/425r (BA/PA)  
 14974 0125 GF340B- AP London EE/NX 66/425r (BA/PA)  
 HONG: 9895 1957 ZEO94- UPI Victoria IS - EE/NX (JK/FRG)  
 IRAN: 13403.6 0500 EPD62- Tehran Air- Rys 66/425r (RMA/IA)  
 19703.2 0642 Polish Emb. Tehran- t/c (JK/FRG)  
 ITALY: 10680 0140 ISX88- ANSA Rome - EE/NX 100/425r (BA/PA)  
 12108 0810 IRJ21- ANSA Rome - EE/NX 66/425n (RMA/IA)  
 12128 0825 IRJ31- ANSA Rome - EE/NX 66/425n (RMA/IA)  
 JAPAN: 19381 0230 JMI4- Tokyo Metro - WX 66/850r (BA/PA)  
 19746 0255 JBU39- Tokyo Rys 66/425n (FJO/OH)  
 KEN.: 12314.1 0450 5YE- Nairobi Metro - 5#M - 66/170n (RMA/IA)  
 KUWT: 15014.3 1103 Egyptian Emb- AA t/c to Cairo (JK/FRG)  
 LIBE: 15780 1652 ELE15- USLRC Harbel - t/c (JK/FRG)  
 LYBA: 20560 1700 JANA Tripoli - EE/NX (GWA/VA)  
 MART: 16107 1705 FZP61- APP Ft.de France- FF/NX (GWA/VA)  
 PAMA: 20350 1800 NBA- NCS Balboa - Rys 100/850r (ME/MA)  
 SYTHL: 22777.6 1420 GHJ- Jamestown Metro- Rys 66/425n (FJO/OH)  
 USA.: 14638 1715 WFK54- USIA New York- EE/NX (GWA/VA)  
 USSR: 13530 0430 WYF53- Moscow Metro- 5#M 66/850n (RMA/IA)  
 19600 0944 RIU78- Leningrad Metro- 5#M (JK/FRG)  
 Y.DR: 11541 0330 70C- Aden Rys 66/425n (BA/PA)  
 SHIP: 12520a 0350 UNFI- Diesma- 35C Rys 66/170n (RMA/IA)

\*\*\*\*\* QSLs \*\*\*\*\*  
 SHIPS: WTGO- Alaskan- PFC 32d for MS 500kHz (HH/MD)  
 KEAJ- Exxon Huntington- PFC 30d for MS 500kHz (HH/MD)  
 ELVA- Eastern World- PFC 35d for IRC 16744kHz (HH/MD)  
 LLBP- Hoegh Pilot- ltr 22d for IRC 16720kHz (HH/MD)



USRR: 16280 U 1315 Moscow PTP - EE/YL/VM (JDM/MN)  
 YUGO: 4632.5 C 0755 ANX7- INTERPOL Belgrade w/g IUUB1 Rome (AM/UK)  
 8700 C var. YUR-Rajeka MARCO- V mkr (GLT/NM) (JHW/NL)  
 \*\*\*\*\* AFRICA/MIDDLE EAST \*\*\*\*\*  
 CAFR: 8882 3 0512 Sal Aero w/g Luthansa 502 (AJR/NT)  
 GHAN: 8542 C 0237 9CA- Takoradi MARCO - t/c list (JWE/TN)  
 IRAQ: 12660 C var. YIR- Basrah MARCO- V mkr (RMA/IA) (GLT/NM)  
 16906 C 0415 YIR- Basrah MARCO- V mkr (GLT/NM)  
 ISRU: 4237 C 0357 AXO- Haifa MARCO - V mkr (JB/TX)  
 8437 C 0213 AXZ- Haifa MARCO - V mkr (JWE/TN)  
 8694.4 C 2222 AXO- Haifa MARCO - CQ/QSX mkr (JJF/RL)  
 16245 C 1202 4XL- Ben Curion Air - V/QRU mkr (AM/UK)  
 LYBA: 8959 3 0458 Tripoli Aero w/g Libyan Arab 3345 (AJR/NT)  
 MADA: 24820 S 1027 SRZ49- STIMAD Panamavive-EE/FF/MALA/YL/VM (AM/UK)  
 OMAN: 16868 C 1055 4AM- Muscat MARCO - DE mkr (AM/UK)  
 PAKI: 17093 C 0325 AQP4- Karachi NAVRAD - V mkr (GLT/NM)  
 REUN: 8468.5 C 1627 FFD- St. Denis MARCO - CQ/QRU mkr (AM/UK)  
 8475 C 0218 FUX- FF NAVRAD - V mkr (JWE/TN)  
 12689 C 1350 FUX- FF NAVRAD - V mkr (GLT/NM)  
 19324 I 2145 FZS93- FTS St. Denis- FF/EE/YL/VM (RMA/IA)  
 7555 C 0429 PCR Dakar - FF/YL/VM (RSR/ONT)  
 8992 C 6WW- FF NAVRAD Dakar - V mkr (JJF/RI)  
 13410 C 2330 6WM- FF NAVRAD Dakar - V mkr (BA/PA)  
 16952.8 C 0305 6MW- FF NAVRAD Dakar - CQ mkr (GLT/NM)  
 SEYC: 8445 C 1612 S7Q- Seychelles MARCO - DE mkr (AM/UK)  
 SOAP: 8566 C var. ZS34- Cape NAVRAD Silvermine-Cq mkr (JDM/MN)(JWE/TN)  
 8686 C var. ZSC6- Capetown MARCO- CQ mkr (JJF/RI) (BA/PA)  
 12695 C 0115 ZRQ6- Cape NAVRAD Simonstown - V/CQ mkr (JDM/MN)  
 23165 C 1921 ZSC- Capetown MARCO - CQ mkr (ME/WA)  
 SUDD: 8959 3 0501 Kharطوم Aero w/g Kenya 515 (JJF/RI)  
 8959 3 0504 Kharطوم Aero w/g Nalrobi Aero (JJF/RI)  
 SYRA: 13971 U 2120 XV9- CPARS Golan Heights- w/g CP31?? (RL/GA)  
 TUNI: 14817.5 C 0815 3VA- INTERPOL Tunis c/g FSB58 Paris (AM/UK)  
 Y.DR: 13060.5 C 1340 70A- Aden MARCO - DE mkr (GLT/NM)  
 \*\*\*\*\* ASIA/PAR EAST \*\*\*\*\*  
 PRC: 8484 C 0010 XSE- Xinwangtuo MARCO- CQ/t/c list (AM/UK)  
 8501 C 1330 XSG- Shanghai MARCO - CQ mkr (GLT/NM)  
 8624 C 1905 XSQ- Kwangchow MARCO - CQ mkr (JHW/NJ)  
 9351 A 1055 BVP- Xanghai SFTS - pips (WJP/FL)  
 12699 C 1325 XSQ- Kwangchow MARCO - CQ mkr (GLT/NM)  
 DIEG: 21760 C 0650 NKW- Vitezh Garcia NAVRAD - CQ mkr (TS/EC)  
 INDI: 6421.5 C 2310 VIP5- Vishakhapatnam NAVRAD- TC mkr (AM/UK)  
 INDO: 8686 C 1325 PKB- Belawan MARCO - CQ mkr (GLT/NM)  
 12703.6 C 0030 PKD- Surabaya MARCO - CQ mkr (AM/UK)

GWME- King Richard- PFC, pix 25d for IRC 500kHz (HH/MD)  
 NSTT- CGC Steadfast- PFC 41d for MS 12342.4kHz (HH/MD)  
 GUVN- Cyclops- ltr in 26d for IRC 500kHz (HH/MD)  
 NRPJ- CGC Laurel- PFC in 16d for SASE 6506.4kHz (GS/IL)  
 NNAG- CGC Hamilton- PFC in 16d for SASE 6506.4kHz (GS/IL)  
 NNAGC- USS Mississippi- PFC, pix, HAM cd-22d- 14470RHz (MDC/NY)  
 AIRCRAFT: Gull Photo(GSSUP) PFC 24d for SASE 9006kHz (GS/IL)  
 CG 1347-(HC1308)PFC 30d for MS 5696kHz (BW/FL)  
 CG 5783-(HC131A) PFC 12d for MS 8984kHz (MDC/NY)  
 MAC 40644-(APRES C14)PFC 8d for MS 11246kHz (MDC/NY)  
 Aero Mexico 4511- no data, ltr-83d XRP 6540kHz (HDT/WV)  
 Delta 10814- Ltr 73d for MS 8899kHz (HDT/WV)  
 SATELLITE: Oscar 8- no data QSL- 16d for SASE 29402kHz (DE/IL)  
 BEACONS: UWP- Argentina, NFDL- PFC 14d for MS 323 kHz (HH/MD)  
 SWT- Albarmarie, NC- ltr 11d for MS 362 kHz (HH/MD)  
 FKV- Gainesville, GA- ltr 22d for MS 365 kHz (HH/MD)  
 XOC- Ft. A. P. Hill, Bowling Green, VA- PFC-14d 398 kHz (HH/MD)  
 YSL- St. Leonard, NB- PFC 14d for MS 404 kHz (HH/MD)  
 AVFA: NNWICE- USN MARS McMurdo- QSL 60d for MS 13975 kHz (GS/IL)  
 VIKI- Police R. Perth- PFC, ltr 27d -2 IRCS 7660 kHz (MTC/AZ)  
 WNG- SFTS Lyndhurst- QSL 49d for IRC 12000 kHz (GS/IL)  
 YVIG- SFTS Lyndhurst- QSL 40d for XRP 4500 kHz (WJP/FL)  
 CAN.: CHU- SFTS Ottawa - QSL in 20d XRP 14670 kHz (RSR/ONT)  
 CARO: KUP68- Koror- PFC, ltr 45f for MS 5205 kHz (MTC/AZ)  
 DJTB: FUV- FF NAVRAD- FF ltr in 35d XRP 13042.5 kHz (SK/GA)  
 ENG.: GUD- Jersey R.- PFC in 14d for MS 2182 kHz (PAC/UK)  
 ECUA: HDZ01A- SFTS Guayaquil- QSL in 51d for IRC 3610 kHz (HDT/WV)  
 FRAN: FRW- Marseille R.- PFC in 11d for IRC 1906 kHz (PAC/UK)  
 FFU41- St. Lys R.- ltr in 47d for IRC 8808.8 kHz (HDT/WV)  
 HI.: NMO- USCG CS Honolulu- PFC in 36d for MS 2670 kHz (GS/IL)  
 IRAQ: YIR- Basrah R.- QSL in 57d for 2 IRCS 16906 kHz (AV/PA)  
 JPAN: JFA- GKX Kamagaya- ltr in 16d for MS 8547.5 kHz (AV/PA)  
 JCS- Nagasaki R.- ltr in 15d for MS 8437 kHz (AV/PA)  
 MADE: CUB- Madeira R.- QSL in 18d for MS 8461 kHz (AV/PA)  
 NZEL: ZLP- RNZN Maoriu- ltr in 35d for MS 8678 kHz (AV/PA)  
 SCOT: GPK- Port Patrick R.- ltr in 04d for MS 1883 kHz (PAC/UK)  
 SING: VVG56- Singapore R.- ltr in 29d for IRC 8476 kHz (AV/PA)  
 SOLO: H4H- Honiara R.- PFC, ltr in 24d for MS 6215 kHz (WJC/HT)  
 SPAN: EAS- Cabo Mayor R.- PFC, ltr in 21d for IRC 500 kHz (PAC/UK)  
 SYRA: VYV9- CPARS Golan Heights- PFC, QSL 25d for MS 13971 kHz (MDC/NY)  
 SWED: SDJ- Stockholm R.- QSL in 16d for IRC 2182 kHz (PAC/UK)  
 USA.: WSL- Aegansett R.- ltr in 37d for MS 8514/8638 kHz (AV/PA)

INDO: 16200 C 0830 8B539- Jakarta Metro - V/QQ into WX (AM/UK)  
 JPAN: 8000 A 1050 JYJ- SFTS Koganei - JJ/YL ID (WJP/FL)  
 8903 3 0240 Tokyo Aero - VOLMET b/c (RHM/AN)  
 13063 JDB- Nagasaki MARCO - Cq mkr (JDW/MN)  
 13264 3 0457 Tokyo Aero wkg Northwest 3 (GR/IL)  
 18877.5 C 0345 JDB- Nagasaki MARCO - Cq mkr (JHW/NJ)  
 16998 C 0145 JDC- Choshi MARCO - Cq/QSX mkr (ME/MA)  
 17052.6 C 0415 JNA- KHC Yokohama - V mkr (JHW/NJ)  
 17132 C 2132 JFU- GKX Ishinomaki wkg 8GA & JAFJ (PAC/UK)  
 NOKO: 15480 C 2325 HMM56- KONA Pyongyang- V/QQ/MC mkr (AM/UK)  
 ROK.: 14485 U 1215 ABW4JSA (US Army MARS) Yongsan wkg AAR5LB (MDC/NY)  
 14510 U 1220 ABW4JH (US Army MARS) QTH?? wkg AAR5LB (MDC/NY)  
 16910 C 0405 HLD- Seoul MARCO - Cq mkr (GLT/NN)  
 PHIL: 8546 C 1325 DZF- Navites MARCO - Cq mkr (GLT/NN)  
 14485 U 1212 ABN3JB (US Army MARS) QTH?? wkg AAR5BL (MDC/NY)  
 17124 C 0844 DZE- Manila MARCO- tfc with 3EQM (PAC/UK)  
 17090 C 0818 DZF- Bacoor MARCO - Cq mkr (PAC/UK)  
 17136 C 0933 DZF- Manila MARCO - Cq mkr (PAC/UK)  
 SING: 17176 C 0230 DZG- Las Pinas MARCO - Cq mkr (JHW/NJ)  
 8529 C 1335 9V6- Singapore MARCO - Cq mkr (GLT/NN)  
 22427 C 0255 VNG59- Singapore MARCO - Cq mkr (GLT/NN)  
 VIET: 8590 C 1320 XVS- Ho Chi Minh MARCO - Cq mkr (GLT/NN)

\*\*\*\* PACIFIC OCEAN \*\*\*\*

AUST: 4500 A 1002 VNG- SFTS Lyndhurst (PLO/NH)  
 7500 A 0815 VNG- SFTS Lyndhurst (TFS/CA)  
 7660 C 0545 KLI- Perth Police- tfc with ?? (TS/BC)  
 8294.2 U 1132 Brisbane Control (RAN) wkg HMAS Brunei (MTC/AZ)  
 8294.2 U 0836 Darwin Control (RAN) wkg HMAS Aware (MTC/AZ)  
 8711 C 1515 VIS65- Sydney MARCO - Cq mkr (GLT/NN)  
 8992 U 1139 AXJ- Air Force Perth p/p for King Boy 102 (MTC/AZ)  
 10017 3 0932 Sydney Aero - VOLMET b/c (RSR/ONT)  
 11202 U 1129 AXJ- Air Force Perth wkg King Boy 102 (MTC/AZ)  
 12000 A var. VNG- SFTS Lyndhurst - (PT/CA) (RSR/ONT)  
 16918 C 1622 VHE- Canberra NAVRAD - V mkr (SK/CA)  
 21760 C 1159 NRV- CCS Harold E. Holt sta - tfc with ?? (TS/BC)  
 GUAM: 6506.4 U 1200 NRV- CG R. Guam - no tfc msg (JDW/MN)  
 6506.4 C 0300 NRV- CG R. Guam - Cq/QRU mkr (JHW/NJ)  
 22526 C 0245 NRV- CG R. Guam - Cq mkr (GLT/NN)  
 HI...: 5519 3 var. KVM70- Honolulu Aero - VOLMET b/c (PT/CA) (TFS/CA)  
 6506.4 U 1155 NMO- CS Honolulu - marine WX b/c (JDW/MN)  
 11179 U 0515 AGA- Hickam AFB wkg MAC 50249 (AV/PA)  
 13304 3 0413 Honolulu Aero wkg N990ZS (AJR/NY)  
 19334 3 0400 KVM70- Honolulu Aero - VOLMET b/c (CH/MEX)  
 NZEL: 17125 C 2125 ZLP- Iriirangi NAVRAD - V mkr (JHW/NJ)

USA.: NWF- USCG CS Boston- QSL in 13d for MS 2670 kHz (HDT/WV)  
 NWP- W. Palm Beach FL- Ltr in 17d for MS 12435.5 kHz (HH/MD)  
 NMG15- USCG Grand Isle, LA- PFC in 17d for MS 5321.4 kHz (HDT/WV)  
 NMB- USCG Charleston SC- Ltr in 08d for MS 2182 kHz (AV/PA)  
 AGAZLA- USAF MARS Langley AFB VA- PFC-15d-XRF-14h06 kHz (MDC/NY)  
 NNN37- USCG Ft. Macon, NC- Ltr in 8d for MS 2670 kHz (AV/PA)  
 NWF2- USCG Woods Hole MA- Ltr in 6d for MS 2670 kHz (AV/PA)  
 VENE: YTYQ- SFTS Caracas- QSL, Ltr In92d for IRC 6100 kHz (HDT/WV)  
 WAL5: GLV- Anglesey R.- PFC in 7d for MS 1715 kHz (PAC/UK)

\*\*\* The 64 Ute contributors to this issue were:

(BA/PA) Brian Alexander (KWK/VA) Kraig Krist  
 (RMA/IA) Rodney Alexander (RL/GA) Robert Lewallyn  
 (GWA/WA) Guy Atkins (RM/AZ) R. Marshall  
 (HGB/WA) Hobart Beal (JM/PA) Larry McKinney  
 (\*JB/TX) Jim Boehm (AM/UK) Alex Moore  
 (JB/TX) John Boone (TM/NC) Todd Morgan  
 (CB/GA) Chris Bullock (RM/CA) Randy Moss  
 (RBC/GA) Roy Carlson (JN/MN) Jon Nida  
 (MTC/AZ) Mike Chabak (PLO/NH) Patrick O'Connor  
 (MDC/NY) Mark Chinsky (FJO/OH) Fred Osterman  
 (PAC/UK) Peter Conway (SBP/OO) Steven Pacetti  
 (WJC/HI) William Cooke (WJP/FL) William Parks  
 (LC/OH) Larry Cunningham (NP/NY) Morris Pfeffer  
 (RD/KS) Robert Davis (SP/UK) Stephen Proom  
 (JHD/PA) John Demmitt (AJR/NY) Albert Ricciuto  
 (RD/MA) Rick Dugway (RSR/ONT) Robert Ross  
 (ME/MA) Mark Evans (GR/IL) Gary Russell  
 (JWB/NN) Jim Evans (TFS/CA) Tom Sable  
 (DE/IL) David Ewing (CS/IL) Greg Shepherd  
 (JJP/RI) John Fitzgerald (TS/BC) Ted Shevchenko  
 (RF/MA) Robert Fraser (JS/IL) Joe Sluz  
 (SM/QUE) Sheldon Harvey (CMS/ONT) CM Stanbury  
 (SH/VA) Ruth Hesch (LJS/CO) Leonard Stock  
 (HS/MD) Hank Holbrook (WS/ONT) Wilf Stone  
 (CH/VA) Dave Houde (HDT/WV) Harold Tate  
 (CH/MEX) Carl Huffaker (GLT/NN) Glenn Thompson  
 (MWJ/TD) Mark Johnson (PT/CA) Peggy Thompson  
 (JRW/MS) Jack Jones (FAV/CA) Fred Valentine  
 (PTK/IL) Patrick Kerrigan (AV/PA) Alex Vranes  
 (SK/CA) Steven Kidd (JHW/NJ) John Walters  
 (JK/PFG) Joerg Klingenfues (JDW/MN) John Williams  
 (BW/FL) Bernie Wimmers (PW/FL) Bernie Wimmers

AFGN: - AFGHANISTAN  
AK.: - ALASKA  
ALB.: - ALBANIA  
ALGE: - ALGERIA  
AMSA: - AMERICAN SAMOA  
ANDA: - ANDAMAN ISLANDS  
ANGO: - ANGOLA  
ANTA: - ANTARCTICA  
ARCN: - ARGENTINA  
ASCN: - ASCENSION ISLAND  
ASTA: - AUSTRIA  
AUST: - AUSTRALIA  
AZOR: - AZORES  
BAHM: - BAHAMAS  
BANG: - BANGLADESH  
BARB: - BARBADOS  
BELG: - BELGIUM  
BELZ: - BELIZE  
BENN: - BENIN  
BER.: - BERMUDA  
BHUT: - BHUTAN  
BOL.: - BOLIVIA  
BOTS: - BOTSWANA  
BRAN: - BAHRAIN  
BRUN: - BRUNEI  
BRVI: - BRITISH VIRGIN ISLANDS  
BRZL: - BRAZIL  
BUL.: - BULGARIA  
BURD: - BURUNDI  
BURM: - BURMA  
BWI.: - BRITISH WEST INDIES  
CAFR: - CENTRAL AFRICAN REPUBLIC  
CAME: - CAMEROON  
CAN.: - CANADA  
CANT: - CANTON ISLAND  
CAPE: - CAPE VERDE  
CARO: - CAROLINE ISLANDS  
CAYM: - CAYMAN ISLAND  
CHAD: - CHAD  
CHAT: - CHATHAM ISLAND  
CHIL: - CHILE  
CNRY: - CANARY ISLANDS  
COCO: - COCOS ISLAND (Indian Ocean)  
COLO: - COLOMBIA  
COMO: - COMORO  
CONG: - CONGO  
COOK: - COOK ISLANDS  
COST: - COSTA RICA  
CRIS: - CHRISTMAS ISLAND (Indian Ocean)  
CRTE: - CRETE  
CUBA: - CUBA  
CYPR: - CYPRUS  
CZEC: - CZECHOSLOVAKIA  
DEN.: - DENMARK  
DIEG: - DIEGO GARCIA ISLAND (Indian Ocean)  
DJIB: - DJIBOUTI  
DOM.: - DOMINICAN REPUBLIC  
EAST: - EASTER ISLAND  
ECUA: - ECUADOR  
EGPT: - EGYPT  
EIRE: - IRELAND  
ENG.: - ENGLAND  
EQGI: - EQUATORIAL GUINEA  
ESAL: - EL SALVADOR  
ETHO: - ETHIOPIA  
FALK: - FALKLAND ISLANDS  
FARO: - FAROE ISLANDS  
FFGU: - FRENCH GUIANA  
FFPO: - FRENCH POLYNESIA  
FIJI: - FIJI ISLANDS

FIN.: - FINLAND  
FRAN: - FRANCE  
FRG.: - WEST GERMANY  
GAB.: - GABON  
GALA: - GALAPAGOS ISLANDS  
GAMB: - GAMBIA  
GDR.: - EAST GERMANY  
GHAN: - GHANA  
GIBR: - GIBRALTAR  
GIT.: - GUANTANAMO BAY  
GREE: - GREECE  
GREN: - GRENADA  
GRLD: - GREENLAND  
GUAD: - GUADELOUPE  
GUAM: - GUAM  
GUAT: - GUATEMALA  
GUBI: - GUINEA-BISSAU  
GUIA: - GUINEA  
GUY.: - GUYANA  
HATI: - HAITI  
HI.: - HAWAII  
HOLL: - NETHERLANDS  
HONG: - HONG KONG  
HUNG: - HUNGARY  
ICE.: - ICELAND  
INDI: - INDIA  
INDO: - INDONESIA  
IRAN: - IRAN  
IRAQ: - IRAQ  
ISRL: - ISRAEL  
ITLY: - ITALY  
IVRY: - IVORY COAST  
JAM.: - JAMAICA  
JMAY: - JAN MAYEN ISLAND  
JOHN: - JOHNSTON ISLAND  
JORD: - JORDAN  
JPAN: - JAPAN  
KAMP: - KAMPUCHEA  
KEN.: - KENYA  
KERG: - KERQUELEN ISLAND  
KERM: - KERMADEC ISLANDS  
KIRB: - KIRIBATI  
KUWT: - KUWAIT  
LAOS: - LAOS  
LEB.: - LEBANON  
LESO: - LESOTHO  
LIBE: - LIBERIA  
LORD: - LORD HOWE ISLAND  
LUX.: - LUXEMBOURG  
LYBA: - LIBYA  
MACA: - MACAU  
MACQ: - MACQUAIRE ISLAND  
MADA: - MADAGASCAR  
MADE: - MADEIRA  
MALD: - MALDIVE ISLANDS  
MALI: - MALI  
MALT: - MALTA  
MALW: - MALAWI  
MARC: - MARCUS ISLAND  
MARI: - MARIANA ISLANDS  
MART: - MARTINIQUE  
MASL: - MARSHALL ISLANDS  
MAUR: - MAURITIUS  
MEX.: - MEXICO  
MIDW: - MIDWAY ISLAND  
MLAY: - MALAYSIA  
MONA: - MONACO  
MONG: - MONGOLIA  
MOZA: - MOZAMBIQUE  
MROC: - MOROCCO

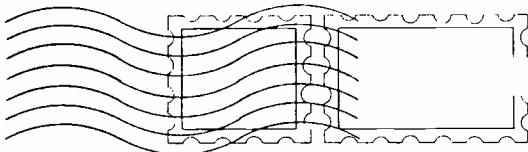
MURI: - MAURITANIA  
 NAMB: - NAMIBIA (South West Africa)  
 NAMS: - NEW AMSTERDAM ISLAND  
 NARU: - NAURU ISLAND  
 NCAL: - NEW CALEDONIA  
 NEPL: - NEPAL  
 NETA: - NETHERLANDS ANTILLES  
 NICA: - NICARAGUA  
 NICO: - NICOBAR ISLANDS  
 NIGE: - NIGER  
 NIGR: - NIGERIA  
 NKOR: - NORTH KOREA  
 NOR.: - NORWAY  
 NORF: - NORFOLK ISLAND  
 NZEL: - NEW ZEALAND  
 OKIN: - OKINAWA (Ryukyu Islands)  
 OMAN: - OMAN  
 OSTA: - OCEAN STATION  
 PAKI: - PAKISTAN  
 PANA: - PANAMA  
 PARA: - PARAGUAY  
 PERU: - PERU  
 PHIL: - PHILIPPINES  
 PITC: - PITCARIN ISLAND  
 PNG.: - PAPUA NEW GUINEA  
 POL.: - POLAND  
 PORT: - PORTUGAL  
 P.R.: - PUERTO RICO  
 PRC.: - CHINA (Peoples Republic of)  
 QATR: - QATAR  
 REUN: - REUNION ISLAND  
 ROK.: - SOUTH KOREA  
 ROMA: - ROMANIA  
 RWAN: - RWANDA  
 SABA: - SABAH  
 SAND: - SAN ANDRES ISLAND  
 SAO.: - SAO TOME e PRINCIPE  
 SARA: - SARAWAK  
 SAUD: - SAUDI ARABIA  
 SCOT: - SCOTLAND  
 SENE: - SENEGAL  
 SEYC: - SEYCHELLES  
 SIKK: - SIKKIM  
 SILE: - SIERRA LEONE  
 SING: - SINGAPORE  
 SLAN: - SRI LANKA  
 SOAF: - SOUTH AFRICA  
 SOGO: - SOUTH GEORGIA ISLAND  
 SOLO: - SOLOMAN ISLANDS  
 SOMA: - SOMALIA

SORK: - SOUTH ORKNEY ISLANDS  
 SOSA: - SOUTH SANDWICH ISLANDS  
 SP&M: - ST. PIERRE et MIQUELON  
 SPAN: - SPAIN  
 STHL: - ST. HELENA ISLAND  
 SUDD: - SUDAN  
 SURI: - SURINAME  
 SVAL: - SVALBARD (Spitzbergen)  
 SWAN: - SWAN ISLAND  
 SWAZ: - SWAZILAND  
 SWED: - SWEDEN  
 SWIS: - SWITZERLAND  
 SYRA: - SYRIA  
 T&C.: - TURKS & CAICOS ISLANDS  
 TANZ: - TANZANIA  
 TIMR: - TIMOR  
 TIWN: - TAIWAN  
 THAI: - THAILAND  
 TOB.: - TOBAGO  
 TOGO: - TOGO  
 TONG: - TONGA  
 TRIN: - TRINIDAD  
 TRIS: - TRISTAN da CUNHA  
 TUNI: - TUNISIA  
 TURK: - TURKEY  
 TUVA: - TUVALU  
 UAE.: - UNITED ARAB EMIRATES  
 UGAN: - UGANDA  
 UPVO: - UPPER VOLTA  
 URGY: - URUGUAY  
 USA.: - UNITED STATES OF AMERICA  
 USSR: - UNION OF SOVIET SOCIALIST REPUBLICS  
 VANU: - VANUATU  
 VAT.: - VATICAN CITY  
 VENE: - VENEZUELA  
 VIET: - VIETNAM  
 VIRG: - VIRGIN ISLANDS  
 VOLC: - VOLCANO ISLANDS  
 WA&F: - WALLIS & FUTUNA ISLANDS  
 WAKE: - WAKE ISLAND  
 WESA: - WESTERN SAMOA  
 XMAS: - CHRISTMAS ISLAND (Pacific Ocean)  
 Y.DR: - SOUTH YEMAN  
 YEMN: - YEMEN REPUBLIC  
 YUGO: - YUGOSLAVIA  
 ZAMB: - ZAMBIA  
 ZANZ: - ZANZIBAR  
 ZIMB: - ZIMBABWE  
 ZIRE: - ZAIRE

3

SINGLE LETTER XMSN MODE CODE

A - (AM)	I - (ISB)	R - (RTTY)	
C - (CW)	L - (LSB)	S - (SSB)	3 - (A3H)
F - (FAX)	M - (MCW)	U - (USB)	



**EDITOR:**

**JOHN KAPINOS**  
**86 S. QUINSIGAMOND AVE.**  
**SHREWSBURY, MA 01545**

**Deadline: 12th of the month**

**QSL REPORTS**

Greetings and welcome to the new year - as always, some very nice QSLs have been received by our members, so let's get to it:

EUROPE

ALBANIA: Radio Tirana, 9750, f/d "Spirit of the Revolution" card in 83 days, 1 IRC (Krolak-MI).

AUSTRIA: ORF, 5945, f/d art card with sked in 65 days (Davidson-SC); 9770, same in 56 days (Kidd-CA), same in 96 days (Pfeffer-NY); 12015, same in 84 days (Lord-CA), in 55 days (Van Beurden-CA), in 65 days (Boone-TX). The art cards are really something to see, they make the old "maiden" cd from Tahiti get a PG rating (kap).

BELGIUM: BRT, 11365, f/d August Vermeylen cd in 30 days (Byron-NY), f/d Herman Teirlinck cd in 36 days (Byron); 15365, f/d Gerard Walschap cd in 30 days (Byron); 15270, f/d Transmitter cooling room" cd in 28 days (Fortmann-IL); 21525, f/d World Map cd in 28 days (Ross-ONT). Hmm... 6 reports all different cards (kap).

BULGARIA: Radio Sofia, 9700, f/d cd in 5 weeks for 3 reports, sked also rcvd. (Kapinos).... They have a pyramid scheme to get into their DX Club, now that I'm hooked, will have to complete it, must take 109½ reports\* (kap).

CZECHOSLOVAKIA: Radio Prague, 7345, f/d 45th anniversary cd along with blue pennant in 7 weeks (Vockeroth-NJ).

FRANCE: Radio France Internationale, 21515, f/d 50th anniversary card, sked, stickers, etc in 20 days (Ross-ONT); 25820, same in 20 days (Ross).

FINLAND: Radio Finland, NO reports this month, folks must have gone to the supermarkets rather than listening to them (kap).

GERMANY, DEMOCRATIC REPUBLIC: Radio Berlin International, 9560, f/d cd in 9 weeks (Wilkins-CO); 9730 same in 5 weeks (Kapinos); 11975, same along with stickers and such in 65 days (Tate-WV); same in 45 days (Krist-VA).

GERMANY; Federal Republic: Deutsche Welle, 5960, no data logo card in 20 days along with pennant (Ross-ONT); 11865, same, including pennant, in 132 days (Latko-OH). Best bet for a f/d QSL from the FRG is either VOA-Munich or one of the regionals. The regionals have been pretty good QSLers over the years, all accept English reports (kap).

GREAT BRITAIN: BBC, 5990, usual no data London Bridge cd in 30 days (Ross-ONT); VOA Wooferton Relay, 15205, f/d Golden Gate 40th anniversary cd in 9 days (Sherwood-MA); 21520, same in 23 days (Ross-ONT).

GREECE: Voice of Greece, 9515, f/d cd in 97 days, 1 IRC (Fortmann-IL); 11730, same in 2 months (Yingling-MD), same in 3 months (O'Riordan-ID); VOA-Kavala, 6015, f/d card in 21 days (Tait); 11840, same in 25 days (Ross-ONT)

HOLLAND: ARTO Radio (Pirate), 6230, f/d red card for tentative tape report in 5 weeks, also sent a studio quality tape with greetings on it to me, (Lobdell-MA). Very well done, Chris (kap).

HUNGARY: Radio Budapest, 9585, f/d cd in 73 days (Krolak-MI), in 33 days (Vockeroth-NJ); 17710, same in 4½ months (Tait), in 8 wks (Wilkins-CO).

ICELAND: Radio Iceland, 13797, f/d autumn landscape card in 23 days, 1 IRC, (Sherwood-MA). Nice go, Linda, first one in on this new frequency (kap).

IRELAND: South Dublin Radio, 6243, f/d plain white card in 3 weeks, 2 IRC and cassette tape (Lobdell-MA); Capital Radio International, 6268, f/d plain card in 32 days, 2 IRC (Fisher-MA); Radio Dublin, 6910, f/d map card and station history in 22 days, 2 IRC (Lecuona-ARGENTINA).

ITALY, RAI, 11800, f/d Gemito Ritratto di bambino cd in 90 days, 1 IRC (Averill-MA). Welcome aboard, Elizabeth (kap).

LUXEMBOURG: Radio Luxembourg, 6090, f/d antennae card in 84 days after f/up, 251 days after original report (Kanopka-NY).

MALTA: International Christian Radio, 9515, f/d CN Tower Card in 10 days, 1 IRC via P.O. Box 521, Toronto, Ontario address (Tate-WV); Deutsche Welle, 11865, no data logo card in 2 months (O'Riordan-ID). My theory is this: If you hear the "via Malta relay" ID and they send you a n/d card, count it (kap).

MONACO: Trans World Radio, 9495, f/d station picture cd in 16 days, 2 IRC (Manning-NM); same in 49 days (Ross-ONT).

NORWAY: Radio Norway, 9590, f/d Traditional Dress cd in 39 days (Krist-VA); 25730, same in 27 days, 1 IRC (Van Beurden-CA), 15135, same in 23 days, 1 IRC (Fortmann-IL).

POLAND: Radio Polonia, 9525, f/d cards in 61 days along with DX Club pennant (Krist-VA); 15120, f/d card in 3 months (Yingling-MD).

PORTUGAL: Radio Portugal, 9575, no data card in 2 months (O'Riordan-ID), 11925, same in 20 days (Davidson-SC); same in 45 days (Davidson); f/d card in 32 days (Smith-FL).

ROMANIA: Radio Bucharest, 11940, f/d folk dancers card in 65 days along with sked, pennant and listeners club info (Lord-CA).

SPAIN: Spanish Foreign Radio, 9630, f/d painting card in 34 days (Thompson-NM), same in 5 weeks (Kapinos), same in 35 days (Ross-ONT); 11880, same in 60 days (McKinney-PA).

SWITZERLAND: Swiss Radio International, 9535, f/d scene card in 30 days, (Ross-ONT), same in 34 days (Smith-FL); 11715, same in 16 days (Speer-CA), Red Cross Broadcasting Service, 21520, f/d Globe with Headphones card in 3 months (Tait-AUST).

VATICAN: Radio Vatican, 6015, f/d 50th anniversary cd in 63 days (Pfeffer-NY); 11845, same in 30 days (Thompson-MN), same in 6 weeks (Wilkins-CO); 17730, f/d "Aedificium Machinarum Transmittentium" card in 53 days, 1 IRC (Van Beurden-CA).

#### AFRICA

BENIN: La Voix De La Revolution, 4870, f/d map and flag card in 90 days for EE/FF report and 3 IRC (G. Raymond-MA); same in 5 months for FF report and 2 IRC (O'Riordan-ID).

BURUNDI: Radiodiffusion Nationale, 3300, date only antenna tower sketch card in 414 days, FF report, 2 IRC (Lecuona-ARGENTINA); same in 165 days for FF report and 3 IRC (Gavaras-MN). Well done guys, havn't seen this one in quite a while (kap).

EQUATORIAL GUINEA, Radio Bata, 4926, date/frequency personal letter in 44 days for follow up on 1980 reception. The report was sent directly to the home address of Mr. Honorato Evita, the V/S who stated that the original report had never reached the station. Mr. Evita requests taped reports. (Viau-QUE). Richard, could you share the gentleman's home QTH with us (kap).

GABON: Africa Number One, 11755, no data letter in 35 days for 2 IRC (Byron-NY); same in 4 weeks, 2 IRC FF report (Wilkins-CO). Yes, I would count it, the INTENT of the station was a verification (kap). Radio France Internationale Relay, 15435, f/d 50th anniversary of RFI card in 19 days (Schlesinger-TX).

LESOTHO: BBC-Maseru, 6190, no data Thames card in 15 days (Tait-AUST).

LIBERIA: VOA Monrovia Relay, 6035, f/d Golden Gate cd in 7 days (Sherwood)

MALAGASY REPUBLIC: Radio Netherlands Relay, 21480, f/d almshouse card in 3 weeks (Vockereth-NJ); same in 67 days along with sked (Hahn-CA)

MOROCCO: VOA Tangier Relay, 15205, f/d Golden Gate 40th anniversary cd in 7 days; 25880, same in 23 days (Ross-ONT).

NAMIBIA: Radio SFA, 4965, f/d Nature Park cd in 22 days, 3 IRC (Ward-QUE).

NIGER: Office de Radiodiffusion TV du Niger, 5020, f/d black, green, red and white map card in 58 days for FF report and 1 IRC (Viau-QUE).

NIGERIA: FRCN - Kaduna, 4770, f/d form letter in 35 days for 1 IRC (Raymond-MA); same in 155 days for 2 IRC (Kanopka-NY); same in 79 days for 1 IRC (Viau-QUE); Radio Nigeria - Enugu, 6025, date/frequency personal letter in 55 days, IRC (Parks-FL); Ibadan Federal Radio Corporation, 6050, f/d form letter and personal note in 76 days, ms (Witte-CA); Voice of Nigeria, 15120, f/d card in 262 days (Yingling-MD).

SOUTH AFRICA: Radio RSA, 11800, f/d Elephants cd in 31 days (Smith-FL).

TRANSKEI: Capital Radio, 3950, f/d announcers photo cd in 61 days, (Tait-AUST)

UGANDA: Radio Uganda, 15325, f/d studio building cards in 347 days, 2 IRC (Atkins-MA), in 399 days, 1 IRC (Harrington-MA), in 584 days, 2 IRC (O'Connor-NH). Patience folks, patience. (kap)

UPPER VOLTA: Radiodiffusion TV Voltaique, 4815, f/d letter 60 days after follow up, FF report, 3 IRC (Gavaras-NM). Nice catch, Tom (kap).

ZIMBABWE: ZPC, Radio 1, 3396, date/freq cd in 33 days, 1 IRC (Tate-WV).

#### MIDDLE EAST

AFGHANISTAN: Radio Afghanistan, 15077 (verified wrong freq), otherwise f/d Man in Tea Shop card in 3 months for GG report, 3 IRC (Kana-ATLA).

ALGERIA: RadioTV Algerienne, 17745, f/d Bouzareah Antenna card in 11 weeks, (Wilkins-CO); 25700, same cd in 69 days for FF report, 1 IRC (Hesch-NY); f/d Centre Nodal cd in 42 days, 1 IRC (Tate-WV). Nice group this time.

EGYPT: Radio Cairo, 12000, f/d mosque card in 125 days (Latko-OH).

IRAQ: Radio Baghdad, 9745, f/d folder card in 116 days (Manning-NM); same in 42 days (Liser-??).

ISRAEL: Kol Israel, 9640, f/d Israel Museum cd in 63 days (Smith-FL); 9814/9815, same cd in 41 days (Krolak-MI), in 58 days (Pfeffer-NY); 11637, "Jerusalem, The Suspended City" cd in 40 days for cassette report (Byron-NY); 17610 f/d Museum cd in ?? (Vocereth-NJ). GALEI ZAHAL, 14728, n/d microphone cartoon letter in 95 days, 2 IRC (Lecuona-ARGENTINA).

KUWAITT: Radio Kuwaitt, 11665, f/d Walled City cd in 36 days, 1 IRC (Tate).

SAUDI ARABIA: Saudi Arabia Radio, 11855, no data form letter in 86 days (Manning-NM); 21565, f/d Holy Mosque cd in 3 months for Indonesian report on Indonesian program (Tait-AUST); 21505, n/d form letter in 139 days (Smith-FL). Gadzooks, do we have to now resort to Indo reports to get f/d QSLs (kap).

UNITED ARAB EMIRATES: UAE Radio, 15320, f/d map card in 25 days (Erickson), in 19 weeks after 2nd try (Vockereth-NJ); 17775, in 72 days (Boone-TX); 21700, same cd in 42 days, 2 IRC (Pimblett-ATLA).

YEMEN ARAB REPUBLIC: Radio Sana'a, 9780, f/d form letter in 195 days for FF report and 3 IRC (Gavaras-MN).

#### ASIA

CHINA: Radio Peking, 9820, f/d Gate of Heavenly Peace cd in 19 days along with sked and pennant (Kanopka-NY); f/d Fragrant Hills Park cd in 23 days (Ray-PA); 15120, f/d Wood Cut cd in 30 days along with pennant (Smith-FL); 11600 f/d Great wall card and pennant in 34 days (Hard-QUE), same along with pennant, sked, handwritten personal note, etc. in 22 days (Forrester-SC); 17855, f/d Tai Ho Hall cd in 14 days (Erickson-CT); f/d Great Wall cd in 27 days (Harvey-QUE); 17680, f/d Pavilions in Peihai Park in Winter cd in 23 days (Pfeffer-NY); f/d Harmony Hall cd in 16 days (Speer-CA); Fujian PBS, 5040, f/d card via Peking in 21 days (Sherwood-MA); Fujian Front Station, 5170, f/d card via Peking in 21 days (Sherwood-MA) - Couple of nice regionals here, Linda (kap)

INDIA: All India Radio, 11620, f/d Meenalski Temple cd in ?? (Erickson-CT).

INDONESIA: Voice of Indonesia, 11790, date/freq Village in Toraja cd in 140 days after 2 attempts, 2 IRC (Van Beurden-CA), same in 148 days for 2 IRC (Manning-NM); date/freq Bromo Volcano" cd in 79 days, 1 IRC (Boone-TX); same in 136 days, 1 IRC (Moss-CA); same in 75 days (Tait-AUST); 15150, same in 150 days (Lord-CA); Radio Republik Indonesia-Manado, 3215, f/d card in 40 days, II report and mint stamps, V/S Eddy Mamangkey, Station Manager (Gavaras-MN); RRI Nusantara V Jayapura, 6070, f/d EE black & white cd along with personal letter in II in 2 months for II report and ms (Lazarus-LA).

JAPAN: Radio Japan (NHK), 9595, f/d Logo cd in 89 days, 1 IRC (Johnson-ID); 17775, p/d Wisteria Flowers cd in 18 days (Speer-CA), p/d Straw Horse cd in 17 days (Boone-TX); p/d Sansen-In Temple cd in 17 days (Fortmann-IL); 21610, p/d Straw Horse cd in 29 days (Thompson-NM); 21640, f/d Wisteria Flower cd in 20 days (Byron-NY). Skeds, Radio Japan News and report forms were also received.

KOREA, NORTH: Radio Pyongyang, f/d actors cd, flag pennant and book on metro in 45 days (Huffaker-MEX).

KOREA, SOUTH: Radio Korea, 9570, f/d Porcelain Jar cd in 28 days along with sticker (Binau-MD); same in 32 days (Miller-CA); 11725, same in 34 days (Sherwood-MA), f/d Broadcast Center cd in 35 days, 1 IRC, also got pennant and sked (Krist-VA); f/d water jar cd in 20 days (Erickson-CT). Looks like a real speed up in their QSL policies (kap).

MALAYSIA: RTM Malaysia - Sarawak, 5005, f/d Broadcasting House cd in 7 weeks for EE report and 2 IRC (Lazarus-LA); 7160, same in 53 days for 1 IRC (Johnson-ID); RTM - Kuala Lumpur, 7295, f/d Rebana Mankuk (Bowl Drum) cd in 33 days, 1 IRC (Johnson-ID).

PHILIPPINES: Radio Veritas Asia, 11955, date only Hummingbird cd in 22 days along with pennant for monitor report (Miller-CA); FEBC, 15450, f/d native hut cd and pennant in 24 days for 2 IRC (Boone-TX); same in 30 days for 2 IRC (Ross-ONT); VOA Poro/Tinang Relay, 11965, f/d Golden Gate cd in 9 days (Sherwood-MA). Poro and Tinang are two separate transmitter sites, but the VOA does not differentiate them in either their sked or on QSLs. (kap)

SINGAPORE: BBC Far East Relay, 9740, n/d Thames cd in 40 days, 1 IRC (Thompson-NM).

SRI LANKA: Sri Lanka BC, 11800, f/d Eight Shrines of Worship cd in 14 days (Tait-AUST). A time record for sure, have been waiting for a couple of years, with 6 reports out (kap).

TAIWAN: Voice of Asia, 5980, f/d Asian Buildings cd in 182 days along with paper pennant and magazine for 2 IRC (Schlesinger-TX); Voice of Free China, 11825, f/d Ming Vase cd along with sked, newspaper, pennant and plastic chimes opera mask (mini) in 26 days (Kanopka-NY).

THAILAND: Radio Thailand, 9655, f/d Fruit Market card in 258 days, EE report (Schlesinger-TX).

TURKEY: Voice of Turkey, 7215, f/d Man with Broken Butterfly Net card and Sunshine Radio stickers in 28 days, 1 IRC, also received Sunshine Radio Pennant (one of the nicest around, kap) (Tate-WV).

VIET NAM: Voice of Vietnam, 10080, f/d card in 64 days, 2 IRC (Erickson-CT).

#### USSR

##### Radio Moscow Sites:

Alma Ata, 11770, Kremlin View cd in 35 days (Gavaras-MN).  
Armavir, 12010, 50th Anniversary cd in 6 weeks (Vockereth-NJ)  
Ashkhabad, 15295, View of an Old House cd in 35 days (Gavaras-MN).  
Dushanbe, 17730, Moscow Night Card, 40 days (Gavaras-MN)  
Frunze, 15535, View of Kremlin cd in 35 days (Gavaras)  
15530, Panoramic view cd in 64 days (Smith-FL)  
Kazan, 11840, Moscow Sky Line View cd in 45 days (Smith)  
Lvov, 17720, Rossiya Hotel cd in 70 days (Olson-CA)  
Moscow, 9600, Kremlin Fireworks cd in 54 days (Fortman-IL).  
11.92, Moscow cd in 6 weeks (Vockereth)



Petropavlosk-Kamachatsky, 15450, St. Basil's Cathedral in 70 days (Olson)  
9580, Moscow Sky Line cd in 67 days (Smith-FL)  
Serpukov, 17700, Modern Building cd in 40 days (Gavaras-MN)  
Tula, 17765, Kremlin cd in 47 days (Kapinos)  
no sites - 9610, Moscow at Night cd in 70 days (Olson-CA); 11750, TV Tower  
in Ostankino cd in 62 days (Demmitt-PA); 9610, National Economic  
Exhibition cd in 63 days (Demmitt-PA).

Sites noted are as per QSLs. Most of the time they are accurate, sometimes  
not. Policy for years has been to accept them as is (kap).

Radio Kiev, 11735, f/d Wind Surfing in Kiev Reservoir cd in 77 days, 2 IRC  
(Taylor-AZ); Station Emblem cd in 6 months (Tait-AUST).  
Radio Vilnius, 17780, f/d Lady with Peace Doves cd in 80 days along with  
letter and contest info (Grijalva-AZ).  
Radio Station Peace and Progress, 15140, p/d cd in 38 days (Krist-VA).

#### OCEANIA

AUSTRALIA: VLW-9, ABC Perth, 9610, f/d map/logo card in 21 days, 1 IRC  
(Mose-CA); ABC Melbourne, f/d map card in 209 days, 2 IRC (Kanopka-NY).  
Surely no "QSL Month" in 1981, a shame (kap).

COOK ISLANDS: Radio Cook Islands, 11760, f/d Man Blowing Conch Shell card in  
30 days, 2 IRC (McKinney-CA).

SOLOMON ISLANDS: Solomon Islands Broadcasting Corporation, 9545, f/d Logo  
cd in 191 days for 2 IRC (Lord-CA); same in 25 days for taped report and  
3 IRC (Olson-CA).

surely a poor month for Oceania, bet next month brings some nice Papuans (kap)

#### SOUTH AMERICA

ARGENTINA: R.A.E., 11710, date/freq Logo cd in 23 days, 2 IRC (Manning-NM);  
same in 5 weeks, 1 IRC (Wilkins-CO); same in 27 days (Speer-CA). All of  
a sudden RAE has become a quick QSLer (kap).

BRAZIL: Radio Bras, 17830, f/d Modern Architecture cd in 4 weeks (Wilkins-  
CO); Radio Bandeirantes, 6185, n/d multicolor pictures of station cd in  
25 days, PP report, ms (Parks-FL); Radio Guaiba, 5965, date only Logo  
card in 19 days for EE report and ms. (Schlesinger-TX) John Wilkins sent  
follow up reports on R. Sao Gabriel da Cachoeira and Cruzeiro do Sul to  
Radio Bras. The replied "These stations are not prepared to verify them,  
due to their being served by a very limited personnel". (kap)..

COLOMBIA: Radio Santa Fe, 4965, n/d letter and pennant for SS follow up  
and m.s. (Kanopka-NY).

ECUADOR: HCJB, The Voice of the Andes, 9745, f/d cd in 19 days, 3 IRC  
(Speer-CA), f/d cd and 50th anniversary first day cover in 15 weeks  
with Andex Mailing (Vockerth-NJ); f/d Ecuadorian musicians/antenna  
farm cd in 130 days, 2 IRC (Pfeffer-NY); 15155, 2 cards 2 cards in 3  
months with Andex Mailing (Lobdell-MA); 15360, f/d cd in 15 weeks (Vock-  
erth-NJ), in 90 days (McKinney-PA); various frequencies, 7 different  
cards for a like number of reports in 5 weeks for 54¢ U.S. mint stamps  
(Wilkins-CO). It is nearly impossible to list the various HCJB cards  
as they have several dozen available. Best bet is to join ANDEX, at  
\$4.00 U.S. per year, QSLs are then sent without any additional return  
postage costs (kap). EMISORAS GRAN COLOMBIA - QUITO, 4910, personal  
SS letter with veri statement and red pennant in 8 months total, 3 months  
after follow up, reported in SS with ms. V/S Eduardo Cevallos C.,  
Director General (Lobdell-MA).

FRENCH GUIANA: France Regions 3 - Cayenne, 3385, f/d new map and logo cd  
along with FR3 sticker in 56 days for FF report and 3 IRC (Ward-QUE).

PARAGUAY: Radio Nacional, 11915, no data verification letter in 60 days for  
SS report and IRC (Viau-QUE), same in 13 weeks, SS rpt, IRC (Wilkins-CO).

SURINAME: Radio Apintie, 5005, f/d form letter for EE report and post cards  
(Ross-ONT). By the way, the power is 350 watts (.35 Kw), not 3500 watts  
(3.5 Kw) as per the WRTVH (kap); SRS, 4850, p/d letter and card in 5  
months for EE report and 2 IRC (Vockerth-NJ).

VENEZUELA: Radio Valera, YVOI, 4840, date only Scenes of Valera card in 22 days for SS report and ms (Schlesinger-TX), same in 51 days for SS report and IRC (Tate-WV); Radio Turismo, 6180, date/freq Living room with fireplace (in tropical Venezuela ?? kap) card in 24 days for SS report and 1 IRC (Viau-QUE).

#### NORTH AMERICA

ANTIGUA: DW Relay, 6040, n/d logo card along with letter stating no f/d QSL policy in 30 days ( G. Raymond-MA). The letter states, in part, that QSLs are issued if the frequency reported is correct for the time and broadcast reported, so, therefore, per Kap's rule of counting, it's OK (kap). BBC Relay, 5975, n/d cd in 12 weeks (Vockeroth-NJ).

BELIZE: Radio Belize, 3285, date/freq map card in 60 days (Huffaker-MEX), same in 18 days (Wilkins-CO). After many years of operating on 3285 rather than the old 3300, the new QSLs show 3285 (kap).

BOINAIRE: Radio Netherlands Relay, 6150, f/d card in 6 weeks, along with DX booklets (Vockeroth); 9715, same in 40 days (Ross-ONT); Trans World Radio, 9700, f/d transmitter cd in 175 days, 2 IRC (Lord-CA). 175 days is highly unusual, especially with 2 IRC. This one had to have been misplaced either coming or going (kap).

CANADA., CFCX-Montreal, 6005, date/freq Montreal Skyline card in 217 days (Tate-WV); CKZN-St. Johns, 6160, f/d tri color Canada map folder cd in 20 days, ms (Ross-ONT); CHNX-Halifax, 6130, frequency only "Canada's Ocean Playground" (and it is, believe me (kap) card in 188 days , 24 days after follow up (original probably lost during Postal strike) for ms (Pimblett-ATTA). RCI, 9535, 9755, 1782021695, do it yourself cds in an average of 55 days (Krist-VA), (Thompson-NM), (Taylor-AZ), (Park-HI).

CUBA: Radio Havana Cuba, 11725, f/d Motel Colony card in 6½ months (Tait-AUST), f/d Spearfishing cd in 27 weeks (Wilkins-CO). As previously mentioned, go for the Radio Moscow relay if you need a quick Cuban. Don't, however, report them on either 5045 or 10000 as they don't admit to broadcasting there (kap).

COSTA RICA: Radio Nacional - San Jose, 6035, no data friendly personal SS letter from Haydee Stirbu Vainstein, Directora, giving info on the station and Costa Rica along with tourist/road map and booklet on Costa Rican carts "Carrettas". All in 6 weeks for SS report and mint stamps (Lobdell-MA). Thanks again, Chris; for the detailed report (kap).

GUATEMALA: Radio Tegulutlam, 4835, f/d card along with nice letter in 1 month for SS report and 2 IRC (O'Riordan-ID). Hugh, it would have made my day too (kap).

HONDURAS: HRVC, 4820, p/d cd in 19 days, 1 IRC (Harvey-QUE).

MEXICO: Radio Universidad de Sonora, 6115, no data card in 15 days for SS report (Schlesinger-TX).

NICARAGUA: La Voz de Nicaragua, 5950, n/d letter, "Liberation Day" post-card and pennant in 32 days for SS report and IRC (Boone-TX). Their pennant now shows the correct frequency of 5950, so the ones showing 5920 (which was never on the air) should be collectors items (kap).

UNITED STATES OF AMERICA: Let's see, lots of them, so let's do them by station (kap).

Voice of the OAS via Greenville, 15160, time only form letter in 6 days along with brochures (Schlesinger-TX).

WINB-RED LION, 15145, f/d multicolor cd in 14 days for 18¢ stamp (Kanopka-NY), same in 68 days, ms (Tate-WV); 15185, same in 42 days (Krist-VA); 17730, same in 7 days (Boone-TX).

UNITED NATIONS RADIO via Greenville, 6055, f/d U.N. Building card and sked in 197(!!!) days, (Parks-FL).

VOICE OF AMERICA via Greenville, 5995, f/d Golden Gate/40th Anniversary of VOA card in 26 days (Kapinos); 9650//5995, same in 14 days along with sked (Clayton-MI); 15410//26000, same in 23 days (Ross-ONT).

AFPTS: via Delano, 21570, f/d Department of Defense card in 2 weeks (Wilkins-CO).

WYFR-OKOCHOBEE, 5985, f/d map card in 30 days (Ross-ONT), 9535, same in 30 days (Ross); 9715, same in 23 days (Smith-FL); same in 29 days (Tait-AUST).

SYNCOM 48, Connecticut, PIRATE, (Now of the Air), 6265, f/d Skylab card in 195 days for ms (Gavaras-MN).

KAP'S COMMENTS:

Thanks to so many who were kind enough to send Muriel (Mrs. Kap) and I their Christmas Greetings. They were most appreciated.

Our deepest sympathies to SPEEDXers Don Johnson, Chris Hansen and Bob Wirrell. Their recent losses are mourned by us.

Just a couple of ground rules, again. Cut slips are most appreciated, but if you don't have SPEEDX forms (and havn't got time to get them from HQ), we'll take anything that we can read. Phone calls are welcome, but due to family considerations must be limited to between 0100 and 0330 GMT. The number is in the book. For obvious reasons, no Collect calls will be accepted.

A letter from the Southern Baptist Foundation in Texas advises that the info given under Grenada last month is incorrect. They cannot verify reception reports for Radio Free Grenada, the note they do send is too ambiguous to be considered a QSL in any way.

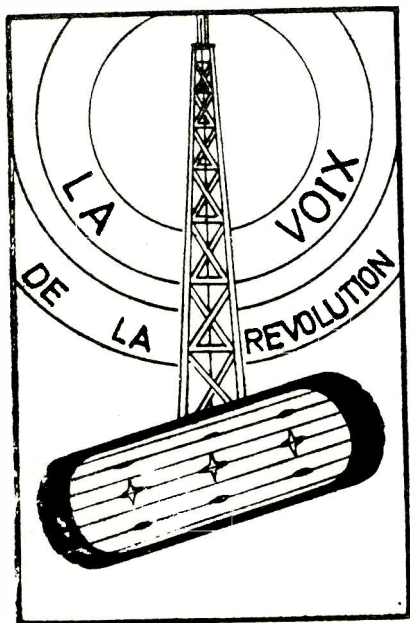
A note of thanks to Tom Farmerie for performing major surgery on my R390A and getting it back into tip top shape. If your liquor cabinet can take it and the Steelers aren't on TV, Tom is really tops in his field. Thanks also to Bill Bailey for his moral support of both of us.

Please do not send Medium Wave and Time Station QSL info here. SPEEDX rules state that Medium Wave is a no-no and Time Stations are UTES. Mike Chabak handles all the UTES, so send them to him.

Ye ed would like some info on a helically wound vertical antenna. All info received here will be most appreciated. Any original material received will be photocopied and returned within a 48 hour period.

Thanks also to all who gave to the HAP-US Christmas fund. Most appreciated.

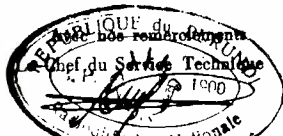
To those who like to play around with medium wave, the National Radio Club, P.O. Box 32125, Louisville, KY is the best in its field. A buck will get you a sample bulletin and information.



Bujumbura, le 16 sept. 1981

Mr. Alberto Raoul Lecuona  
Rue Carlos Goya 1567  
1828 - Bayfield Argentine

Nous accusons réception de votre rapport d'écoute  
du 29 Août 1980 de notre station sur la  
fréquence de 3 300 KHz et dans les  
bandes de 90 mètres.



QTH: Radiodiffusion Nationale du Burundi  
(La Voix de la Révolution)  
B. P. 1900 - BUJUMBURA  
(Afrique Centrale)

# Tips and Topics

THE FEATURE SECTION OF SPEEDX

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

## RECEIVER REVIEW

YAESU FRG-7700

by Robert Wilkner, FL

I purchased this receiver in March from Gilfer for \$725 with the memory option. As a replacement for my unmodified RF-2800 the FRG was an immediate improvement. Of course this is as it should be. The RF-2800 had been purchased for \$195 new.

Frequency stability was the first improvement appreciated. I have yet to find the receiver to be off frequency or to drift at all. Using the 2.4 kHz narrow filter option identification of a station by frequency is often possible.

The memory suffers from often being 1 kHz off when set. This is easily correctable by turning the memory fine tuning one kHz to the left or returning the set to Gilfer. I chose the former option and find this problem to be very minor indeed. At first I planned to buy the receiver without the memory but now I'm happy I didn't. Programming a set of frequencies for the nights DXing makes for very enjoyable listening. Identification of stations by parallel frequencies can be done with ease by alternating between a tuned frequency and the parallel on memory.

The sensitivity of the set seems to be good to excellent. Only on 90 meters have I failed to log good DX. The problem on this band is probably my rather short outside antenna; 50 ft. long wire and two 50 ft. center fed dipoles aimed north-south and east-west respectively. I have lengthened the long wire to 100 ft. and hope to improve reception.

Like the RF-2800 the set can be used by a young DXer. My son Larry and his friend Eric, both 11 at the time, began DXing with RF-2800's and RF-2200's. Using these receivers they managed to log and verify rather rare third world 60 meter stations. With a little help writing letters to the stations, an excellent collection of QSL cards was built. Several of my son's Jr. and Sr. High School friends have used the FRG after about four minutes of instruction in its use.

My criticism of the set is that the 12 hour clock should be a 24 hour variety. Also, the attenuator must be kept in a almost full counterclockwise position to be usable.

In September I purchased an MFJ 1045 preselector. Using this I feel that the improvement in the general quality of the set as a DX instrument is about 50%. After reading the criticisms of the 1040 in the 1981 WRTVH, I feel that these problems do not apply to the 1045 to the degree described for the 1040. The DXer must watch that the 1045 is tuned to the correct band and frequency. Tuned to the wrong band or frequency, spurious stations will be received. Below 4 MHz care must be given to harmonics of medium wave stations. In the South Florida area many of these are in Spanish adding to misidentification if one is careless. The 1045 can be easily disengaged by pressing the on/off button thus making identification of the above problems simple. By reducing the gain these problems can also be reduced or corrected. But once the frequency is lowered to 2370 I find the 1045 to be of little use. All sorts of harmonics and false images are encountered. But let me restate that above 3 MHz I have found no major problems with false images. It is somewhat difficult to gage the increase of strength between the 1045 on and off because there is a slight loss in strength between the antenna directly connected and the antenna connected through the 1045 in the off position. But generally speaking stations "in the mud" become audible and weak signals become rather strong. I would suggest the purchase of the above combination of equipment for those looking for sensitivity, selectability and ease of use.

## MEMORY OPTION

ON USING MEMORY

by Craig Krist, VA

Now that more and more shortwave receivers have a memory option available for storing frequencies I would like to present one method of using memory.

Anyone that has a receiver with the memory option probably selects their favorite stations to save into the memory. This procedure is great except when the time comes to recall the saved stations. I find myself searching my mind's memory for what stations are where or I search for the memory log sheet. This sheet contains the corresponding memory position numbers for the given stations. Both of these methods are cumbersome and too time consuming.

A more efficient method is to store the permanent stations, ones unlikely to change, on the high end of the memory. My FRG-7700 has 12 memory positions, 1 through 12. I store my favorite stations such as Radio Canada International, BBC, Radio New Zealand, etc. . . in the 7 through 12 positions. I now have positions 1 through 6 available to use as "working" memory positions.

If, for example, I wish to DX Radio Bucharest I begin by consulting publications that will render the frequencies in operation at my desired listening time. I discovered that Radio Bucharest transmits on 11940, 11840, 11735, 9690, 9570, and 5990 kHz at 0200 GMT. I "load" these frequencies into the "working" memory positions. Now when Radio Bucharest begins their identification signal I'm able to quickly select the best frequency for my listening pleasure.

The method just described saved time in tuning and retuning a station. I can locate the best frequency usually before the program even begins. When I'm done listening to a particular station I have the "working" memory available for another DX adventure.

I hope others will experience favorable results by employing my method of using memory.

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## MORE ON ELITISM

MORE RESPONSES TO VARIOUS ARTICLES ABOUT

ELITE DX CLUBS BY TERRY KASEK, RUSS LAY, ET AL

MIKE HARDESTER: I have been a DXer since 1968 and am very dedicated to the hobby of DXing. Presently, I am a member of nearly twenty domestic and international radio clubs which deal with all aspects of DXing. Among these clubs is Fine Tuning. My receivers include the SPR-4, FRG-7, FRG-7000, and Kenwood R-1000. Additional equipment would take too long to list.

Now, from the last paragraph, it may be assumed I am either conceited and/or egocentric. . . neither is true. However, I am a perfectionist by nature: I "demand" nothing of others which I do not demand of myself. The same is true of DXing.

So much for the preliminary junk. Whether the hobby is DXing or another hobby where one "displays" their knowledge, skill or whatever, the ultimate line is honesty and/or reliability. In DXing, reliability is regular logging/reporting of DX catches which bear up under constant review by peers. Granted, we all make mistakes, however when a DXer continually proves to be unreliable in loggings reported, then their reliability suffers as does their credibility. On the other side, we have the DXer who continually reports stations which, when checked by other DXers logging the station, are proven to be heard when stated. This DXer's credibility increases as does the reliability level. The line here is simply report what you hear and not what is supposed to be on the frequency. . .in other words, don't list long!

When a "senior" DXer looks at a beginner's logs, he may not be impressed by the difficulty involved in logging the reported station, but he will not laugh or degrade the logging: we all started out with the first logging and worked up! No one was born a DXer, we acquire the knowledge over the years.

Unfortunately, some DXers enter the hobby and desiring to progress as quickly as possible, sacrifice their credibility/reliability by reporting what they think should be there and not what they hear. At present, a fairly new DXer to the hobby is approaching 175 countries logged with less than 100 confirmed. One might not be concerned about this, however, when others (myself included) have tried to log stations he has reported, we find a station with all the programming characteristics he reported, but with a different ID which, more than once, was the Voice of America in one of their numerous languages. Consequently, his reliability is a fat zero and unlikely it will ever rise above that point. When other DXers have pointed out the errors, he has refused to listen. The fact he logged stations off the air for several years did not phase him. Or a logging of an Oceanic station which was still four hours from local sunset, on the tropical bands, didn't phase him when it was pointed out. So, his reputation/reliability/ credibility has been permanently damaged.

Now we come to the so-called elite DX club. As I mentioned, I belong to too many clubs, and don't report to all of them. . .only a very few. Why? For one, virtually every club has their own peculiarity in how they want reports/loggings submitted to columns and by varying dates. Too much trouble keeping all the column requirements at hand.

Also, column editors can, by their editing, destroy a DXers credibility/reliability. How? By their own lack of knowledge, laziness, and a variety of other ways. For example, I might send in a logging to an editor as tentative, but when printed, there is no mention of my tentative and the listing is as though I positively identified the station. I may report an UNID and on printing, the editor has made my UNID a positive logging of a station he thinks it was. NOT GOOD! I've had editors do such to many of my loggings and such has hurt my credibility, but fortunately DXers who know me will write for an explanation if the logging is too peculiar. As a perfectionist, the offending editor hears about it immediately and from that point on usually takes care when editing my loggings. Similar letters from other DXers affected often help an editor to keep on their toes and not make blatant errors.

So, why the specialized clubs such as Fine Tuning or Numero Uno? Why don't we all support SPEEDX moreso? First of all, the sun doesn't revolve around SPEEDX. SPEEDX is a large DX Club, with many members, but not the best. . . I doubt any club can be called the best. While the sun doesn't revolve around specialized clubs, these clubs don't expect it to as other clubs seem to.

In Fine Tuning, a member is asked to join (the same with Numero Uno) because of a variety of reasons among them being reliability, regularity and credibility in the hobby. The logs in FT are exacting. Thus, if a member on the West Coast logs a particular station at a particular time/frequency, I know that if I check that frequency/time (conditions permitting), I'm going to hear the station. Similarly, another DXer reading my logs knows the same is true. In a club, such as SPEEDX, the chances of me hearing a reported station are probably less than 50% in dealing with the Tropical Bands, and the reasons are numerous: list-logging, mis-ID, right language but wrong station, error in sunrise-sunset calculations which made the "guess" an incorrect one, etc.

The specialized clubs are usually for "senior" DXers who are experienced, knowledgeable, reliable, and demanding. Also, we know that our loggings will be printed as we send them in and not changed by the editor. If the editor feels he knows the ID or wants to correct an item reported, such is done at the end of the report, but the report is not changed. Thus, if an error is made, the DXer can thank himself for not being more reliable/accurate in his logging!

LARRY D. COHEN, PA: Labeling a club as elite does not necessarily make its members experts in the field of radio monitoring; nor should it imply that members of "open to all clubs" are less qualified or have less integrity when applying accepted criteria in reporting stations heard.

A potential for unethical conduct may come about if members of the "by invitation only club" become bigwigs in open clubs such as SPEEDX, NASWA, ASWLC, CSWLI and withhold or delay reporting a logging or other pertinent information to their open clubs.

Personally I think if one wants to see the names of an elite group of SW hobbyists; all one has to do is look at the names in this club's contributors list. There you will find a select group of people who cared enough about their hobby to share their information. My record is not perfect, but that is the group I strive to join each month.

## CHU-CANADA

CHU-CANADA'S TIME AND FREQUENCY STANDARD STATION

by Leon Kanopka, NY

CHU, the time signal station of the National Research Council of Canada, Time and Frequency Section of the Division of Physics, broadcasts time and frequency information from its transmitter near Ottawa, Canada. CHU broadcasts in A3H, upper single sideband with carrier re-inserted 24 hours a day. The transmitters are located southwest of Ottawa at 45° 17' 47" north and 75° 45' 22" west. CHU uses three frequencies. On 3330 kilohertz the main and standby transmitters are 3 kilowatts apiece, and the antenna is a one quarter wavelength vertical. On 7335 kilohertz the main transmitter is 10 kilowatts and the standby transmitter is 5 kilowatts, and the antenna is a three quarter wavelength vertical. The last frequency is 14670 kilohertz, which has 3 kilowatt transmitters for both the main and standby transmitters, and feeds a one half wavelength vertical. The antennas are of steel construction, mounted on insulated pedestals, and have buried ground radials, and coaxial feed cables. The two lower frequency antennas have fiber glass guy wires. The stations and transmitting equipment have back up batteries and generators to supply power in the event of a power failure. The time and station announcements are in French and English. The station announcements are given in French and English on alternate minutes, with the time announcement given in both languages every minute. The time is announced in Eastern Standard Time. These announcements are produced by two drum type magnetic recorders, one for the English station announcement, and the other for the French announcement. Both recorders provide

bilingual time announcements. This system allows for the loss of one recorder, losing either the French or English station announcement, but still retaining a bilingual time announcement on alternate minutes. The recorders are driven by synchronous motors operated from one of the cesium clocks so that the time announcements are given at exactly the right moment.

CHU's time signals, as broadcast are within .0001 second of the NRC primary cesium clock, which is, in turn, within 10 microseconds of the international definition of time as defined by the Bureau International de l'Heure. The transmitted frequency is within  $5 \times 10^{-12}$  of the NRC standard, and  $1 \times 10^{-13}$  of that of the BIH.

CHU also supplies information on UT1, the time scale for navigation and astronomy. This is given by the system of doubled time pips from the first to sixteenth seconds of every minute. This is the internationally accepted system for indicating UT1, used by most if not all stations who supply this information.

If you want to get a verification from CHU, they verify with partial data QSL's. Their address is: Radio Station CHU; National Research Council; Ottawa, Canada K1A 0R6. No return postage is necessary.

I think that I have covered everything necessary for this article. If you wish to find out more about CHU, write a letter to the address above, and ask for their book, Canada's Time Service. It is published in both French and English in the same edition, and contains 10 pages in French, and 10 in English.

Next time I will deal with WWV/WWVH, the station everyone is familiar with here in the United States.

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## VOA PROBLEMS

NEW VOICE FOR VOA?

by Randy Moss, CA

As I was reading the front page of the Wednesday, November 25 morning edition of the Los Angeles Times I came across an article written by David Lamb, a Times staff writer. The article had to do with the possible change of broadcasting style on the Voice of America, requested by White House officials.

The article began by recalling the first broadcast ever transmitted from the VOA, some 39 years ago. The first broadcast was transmitted in order to promise all American listeners that, on the VOA, the news of the day would be told truthfully and accurately, no matter if the news hurt or not. Thus, the station was based on the belief that truth, even when unfavorable, can be a "powerful tool in promoting a government's credibility and a nation's interest."

Lamb then went on to point out that the Voice of America is the fifth largest station in the world, using credible reporting to build a weekly audience of 80 million listeners from Chania to South Africa.

However, writes Lamb, it seems that some of VOA's 2200 staff members fear that the Reagan administration is in the process of dismantling this credibility. They feel that if such a process went through, the VOA would be exactly like a lot of the other stations of the world that broadcast only favorable news or alter news items and present mushy features to promote a good, but perhaps false, spirit of nationalism.

Actually, the White House has stated that the Voice of America should be more pro-American, portraying the country in a more favorable fashion, in order to counter the Soviet propaganda machine. The Soviets, states the article, put 2.5 billion dollars into external propaganda, while the VOA only receives about 107 million dollars from the government. Some White House officials feel that some VOA correspondents are too soft on the subject of Communism. For instance, Charles Z Wicks, director of the U.S. International Communications Agency, actually stated that the VOA is in favor of the "other side."

Personally, I disagree with the administration's plan to broadcast propaganda-like transmissions. I realize that there are a few good points to the plan, but I still believe that the VOA should stand by the original policy of total truth and honesty in the news. That approach has and probably will work well for a long time in the future. News includes bad points as well as good points, and to get the full effect of news, one must get all the news. I would very much like to know the opinions of others.

=====

OOPS DEPARTMENT: In my editorial of December, 1981, I incorrectly stated that the Atlantic States DX Association restricted their membership to the East Coast. Let me now state that the ASDA does not now, and has never, limited its membership to those living within a specific geographical location! .ed.

# SOCIAL ASPECTS

INTERPERSONAL RELATIONSHIPS AND THE RADIO HOBBYIST

by Mark W. Johnson, 3D

From time to time we hear critics accuse the radio hobbyist of being involved in an impersonal hobby. This criticism is based on the log hours spent alone in front of a receiver while copying various details to be used in a reception report to some distant station. After a generally long period of time, the hobbyist receives an impersonal reply from the station in response to his impersonal request for a verification. As a result of this, our critics claim to be justified for their condemnation of the radio hobbyist and his pastime.

The first reaction to the remarks made by our critics is undoubtedly indignation. Unfortunately, this indignation often degenerates into outright anger or even hatred directed at the one making the critical remarks. On the surface, the hobbyist may seem justified in his or her indignation since none of us likes to see our hobby criticized. However, the remarks of our critics may be warranted.

It is true that some phases of this fascinating hobby can be construed as being impersonal. Anyone involved in the hobby of communications, be they SWL, DXer, or other "specialists," must spend long hours alone with their equipment in pursuit of that elusive station or co-untry. It is easy to see this as an impersonal activity since we are participating in one-way communication, namely, broadcaster to listener. The only possible exception to this is the ham operator who engages in two-way communication via CW, phone and other means. However, even this is considered to be impersonal by some because of a lack of face-to-face contact.

When it comes to the quest for verifications, the critics are once again justified in some of their remarks. Too often we are guilty of sending thinly disguised demands for QSLs to stations which simply answer our letters out of courtesy. These letters to stations offer a plethora of program details and technical comments, but they rarely offer any personal information about the writer. It may be true that the vast majority of stations have little or no interest in a biographical sketch of each of their listeners, but for the overworked personnel of the small station these personal touches are a welcome relief. While we cannot go to the individual stations we hear in person, we can add some personality to our letters and reports.

The most cutting remarks from critics are directed at the often questionable relationships between radio hobbyists. Those who collect verifications often treat the one who just listens as a second-class member of the hobby because he or she does not actively pursue QSLs or pennants. Shortwave buffs have been known to direct some rather sarcastic remarks at hams and other members of the radio fraternity for their lack of interest in international broadcasting, utilities, etc. Every branch of the communications hobby has been guilty of making these remarks at some point—there are no exceptions.

Related to the above is a problem that plagues virtually every club and association of radio hobbyists—internal dissatisfaction. The breakdown in interpersonal relationships between members and staff has the potential to destroy clubs and create animosity between individuals. Those in leadership or editorial positions are usually at the receiving end of criticism and scathing remarks from the membership. While constructive criticism is welcomed by every club leader and column editor, no one appreciates derogatory remarks about club policy and procedures, column content and format or his own personality. Why does this dissension occur? Why do some become bitter and begin to create problems for others? Faulty interpersonal relationships are often at the heart of the problem.

How can we solve the problem and help defuse some potentially explosive situations? By getting to know each other we can overcome many problems which, if left unattended, could grow and destroy our club or association. Personal remarks by club leaders and editors in the bulletin allow the membership to see these dedicated men and women as individuals. Humor in a column gives an editor a chance to "blow off some steam" and maintain his sanity. The joking and teasing also gives us, the membership, a chance to laugh at ourselves. If we cannot laugh at our own foibles and mistakes, we should find a profession which allows us to use our advanced condition of stiffness. We need to loosen up and enjoy our hobby while getting to know our fellow hobbyists. After all, our involvement in the hobby should be for personal enjoyment—not hardnosed competition.

Many times critics are guilty of overstating a problem in order to simply generate controversy. However, in this case the critics may be right in their analysis of the radio hobbyist and his activities. We spend so much time with equipment, bulletins and technical materials that we tend to forget about the other people involved in the hobby. By cultivating our interpersonal relationships we can make our hobby more enjoyable for ourselves and others. We might even develop some lasting friendships along the way.



# TIDBITS

NEW BOOKS: Three new (copyright 1981) books

from TAB. The SWL's Manual of Non-Broadcasting Stations (TAB # 1235, \$12.95, paper) by Harry L. Helms (co-author of "The Complete Shortwave Listener's Handbook") is a very good introduction to utility listening and covers RTTY, beacons, air, marine, VHF/UHF commercial, and government services.

How to Tune the Secret Shortwave Spectrum (TAB #1185, \$6.95, paper) by Helms covers clandestine stations, pirate broadcasting, espionage radio activity, space communications, numbers broadcasts, and more government/military communications. Both books have sections on receivers and antennas, plus very informative appendices and lots of frequency information.

How to Build Hidden, Limited-Space Antennas That Work (TAB #1254, \$9.95, paper) by Robert J. Traister goes into such things as antenna principles, limited-space principles, problems of the apartment dweller, the art of winding coils, indoor antennas, TVI, VHF antennas, and making antennas from existing structures. (S. B. Pacetti, CO)

## VOICE OF AMERICA DIRECTOR STANDS BY OFFICIAL'S SELECTION:

James B. Conkling, director of the Voice of America, declared recently that he was standing by his appointment of an official who had urged turning VOA into a propaganda agency. Conkling's statement came in the face of mounting criticism on Capitol Hill and among the VOA chief's own staff to a memorandum written by Philip Nicolaides before he was named as a deputy programming director for the US overseas broadcasting service. The chairman of a key House subcommittee called the memo "ideological overkill" and said implementing Nicolaides' proposals "would destroy the

credibility of VOA." According to a Washington Post story, the suggestion for emphasizing propaganda was made by Nicolaides in a memo written Sept. 21 when he was in the public affairs office of VOA's parent agency, the International Communication Agency, before moving to the VOA position. The Post said Nicolaides wrote in the memo to Conkling that "our news should be factually accurate." But he added that it was necessary to recognize "we are - as all the world understands - a propaganda agency. Propaganda is a species of the genus advertising." Nicolaides also said VOA should portray the Soviet Union as "the last predatory empire on earth, remorseless, enslaving its own diverse ethnic populations," the newspaper reported. ICA issued a statement saying the Nicolaides memorandum "reflects a private assessment only and has definitely not been adopted as the policy of VOA." (*Ann Arbor News*, 11/14/81 via David L. Claytor)

RADIO 'COLD WAR': On the edge of the frozen Beaufort Sea in Canada's remote Northwest Territories, radio station CFCT in Tuktoyaktuk was in financial hot water last year. Bereft of steady income, the 1000 watt non-profit station pared its paid staff to two and considered an offer from Radio Moscow to provide free programming. But when word of the Communist offer got out, representatives of oil companies in the area began talks with the station's manager, John Steen, hinting at aid to keep CFCT alive. The station claimed 5000 listeners, including oil field workers. The capitalists are delivering, Mr. Steen reports, and he has not accepted the Radio Moscow offer. So far, he says, Dome Petroleum Ltd. has granted a temporary subsidy of \$1500 a month and has given the station a new control console, new turntables, record players and tape recorders. "At a later stage our transmitter will be replaced," Mr. Steen continues, and the station's power raised to 10,000 watts. And he is counting on a new studio. The Tuktoyaktuk Town Council has also offered aid, he says, and "we are looking now to accept advertising."

(Ruth Hesch from the *New York Times*, 8/9/81)

PENPALS: FEBC has a program called "Operation Friendship". If anyone is interested in having a pen friend, you can write to Danny Lakanilao, FEBC, P.O. Box 2041, Manila, Philippines. (Lawrence Tan, Malaysia)

FINIS: This is it for the first month of a New Year. All I can say is keep these interesting articles coming. You make it happen. 73's,

*Arthur*

## BOTH SIDES NOW COMICS



CONTRIBUTORS -- JANUARY 1982

(compiled by Chris Hansen)

Back again! Numbers preceding each name indicate the number of columns to which the member reported this month. Sections other than SWBC/QSL/UTE/SKEDS are credited directly by the Membership Chairman. Last month's credits were submitted directly to the Membership Chairman -- there were 181 contributors. This month, there are 163, although Asia/Oceania contributors have not yet arrived here. They will be listed next month.

5	ALEXANDER, Brian	PA	FRG-7700	4	JAMIESON, Jamie	CA	R-100
1	ALEXANDER, Rodney	IA	SPR-4	2	JAY, Philip	CANADA	?
5	ATKINS, Guy	WA	FRG-7700	2	JOHNSON, Fred	IL	ICF-2001
2	AVERILL, Elizabeth	MA	DX-200	5	JOHNSON, Mark	ID	DX-302
1	BEAL, Robert	WA	R4C	1	JONES, David	VA	S-151-la
4	BEEMAN, William	OH	RF-2800	2	JONES, Jack	MS	SPR-4
3	BELTKE, Steve	KS	SX-190	1	KANA, John	GA	R-390
3	BERG, Jerry	MA	HQ-180	3	KANOPKA, Leon, NY	NY	DX-300
4	BERRI, Jason E.	CA	RF-2900	1	KAPINOS, Leon	NY	FRG-7 et al.
3	BINAU, Nan	MD	RF-2900	5	KERRIGAN, Patrick	IL	R-1000
1	BOEHM, Jim	TX	FRG-7	2	KIDD, Steven	CA	ICF-6700-W
6	BOONE, John	TX	RF-2600	1	KLINGENFUSS, Joerg	FRG	R7/NRD-515
2	BROWN, Terry	NE	FRG-7	1	KOEHLE, Wayne	IL	?
1	BULLOCK, Chris	GA	RF-2900	6	KRIST, Kraig	VA	FRG-7700
6	BYRON, Leslie	NY	PAT 9	1	KROLAK, Eugene	MI	FRG-7700
1	CARLSON, Roy	CA	DX-300	2	LANGLOIS, Harold H.	GA	NC-98
3	CARLSON, Virgil	WA	SX-190	2	LATKO, Jay	OH	DX-302
1	CEREGHIN, John	MD	DX-302	1	LAZARUS, Henry	LA	DX-190
1	CHABAK, Mike	AZ	HQ-180	1	LECUONA, Alberto	ARG	FRG-7000
1	CHINSKY, Mark	NY	RF-2600	3	LEWALYLN, Robert	GA	RF-2800
5	CLAYTOR, Dave	MI	R-100	2	LINDLEY, Terry	AL	DX-300
1	COHEN, Larry	PA	SX-190	1	LOBDELL, Chris	MA	FRG-7700
3	COLEMAN, Bob	MA	FRG-7	4	LORD, Earle	CA	RF-2600-F
1	CONWAY, Peter	UK	51J4	4	LUCAS, Richard	CA	R-1000
1	COOK, David	CA	FRG-7700	3	McCANTS, Donald	LA	ICF-2001
1	COOKE, William	HI	SX-43	5	McKINNEY, Larry	PA	RF-2800
4	COX, Frank	LA	HQ-100	5	MANNING, Sandra	NM	FRG-7700
2	CUBITT, Marshall	ON	GR-54	4	MARSHALL, Ronald	AZ	FRG-7000
4	CUNNINGHAM, Larry	OH	FRG-7700	5	MILLER, Bill	CA	DX-300
1	CUPPY, Brad	IN	RF-2600	4	MILLER, John	GA	?
4	D'ANGELO, Richard	PA	NC-190	1	MOORE, Alex	UK	R7/DR7
7	DAVIDSON, Kevin	SC	DX-300	1	MORGAN, Todd	NC	RF-4800
2	DAVIS, Bob	KS	R-1000	7	MOSS, Randy	CA	R-1000
1	DEKEYSER, Lucien	CA	FRG-7	3	MOUNTAIN, G.R.	BC	?
7	DEMITT, John	PA	HOMEBREW	1	MUNSTER, Ralf	GA	R7/DR7
5	DUGUAY, Rick	MA	?	5	MURFF, Nathan	NM	FRG-7
4	EARHART, Ken	PA	NRD-505	3	NEWTON, Andy	GA	BC-348-Q
1	ERAMO, Mark	MA	FF-2200	1	NIDA, Jon	MN	RF-2800
5	ERICKSON, Eric	CT	GR-54	2	O'CONNOR, Patrick	NH	DX-302
1	EVANS, James,	TN	RF-2200	1	O'R IORDAN, Hugh	ID	SPR-4
1	EWING, David	IL	FRG-7	1	OAKLEY, Marjorie	OR	FRG-7
3	FISHER, John	MA	GPR-90	4	OLSON, James	CA	?
1	FITZGERALD, John	RI	R-300	1	OSTERMAN, Fred	KY	R4B
2	FLANAGAN, Jack	MA	HQ-100	1	PACETTI, Steve	CO	?
4	FORBES, Lew	TX	FRG-7	4	PALMER, Bob	WA	R-1000
1	FORRESTER, Eric	SC	?	2	PARK, Dale	HI	ICF-6700-W
4	FORTMANN, Joe	IL	DX-300	6	PARKS, William	FL	HRO-60
1	FOURNIER, Ed	VA	FRG-7000	1	PETERSON, Roger	CT	FRG-7700
5	FRASER, Robert	MA	XCR-30	6	PEPPER, Morris	NY	RF-2200
1	GAVARAS, Tom	MN	HQ-180	5	PICARELLI, Thomas	CA	FRG-7
2	GRENIER, Pete	CA	FRG-7	1	PICKARD, Wilder	IL	R-7
4	GRIJALVA, Gabriel	AZ	DX-302	2	PIMBLETT, Nigel	AB	RF-2600
3	GROSVENOR, Norman	CA	FRG-7	2	PROOM, Stephen	UK	SAT 2100
4	HAHN, Jeff	CA	FRG-7	4	RAY, Richard	PA	FRG-7700
6	HARVEY, Sheldon	PQ	ICF-6800W	3	RAYMOND, Greg	MA	FRG-7000
4	HAUSER, Glenn	TN	FRG-7	1	REINECKER, Bob	PA	NRD-515
4	HELLER, Brian	WA	FRG-7700	1	RICCIUTO, Albert	NY	DR-22
7	HESCH, Ruth	NY	R-1000	6	ROSS, Robert	ON	FR-101S
1	HOLBROOK, Hank	MD	HQ-129	4	RUCKMAN, R.	OH	?
1	HOOK, Jerry	FL	DR-22	1	RUSSELL, Gary	IL	SSR-1
4	HOTALING, Stan	NV	RF-2800	3	SABLE, Thomas	CA	FR-6600-JW
1	HOUDE, Dave	VA	DX-302	4	SAMS, Mitch	AR	FRG-7
4	HUFFAKER, Carl	MEXICO	HOMEBREW	5	SCHLESINGER, Mark	TX	FRG-7



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