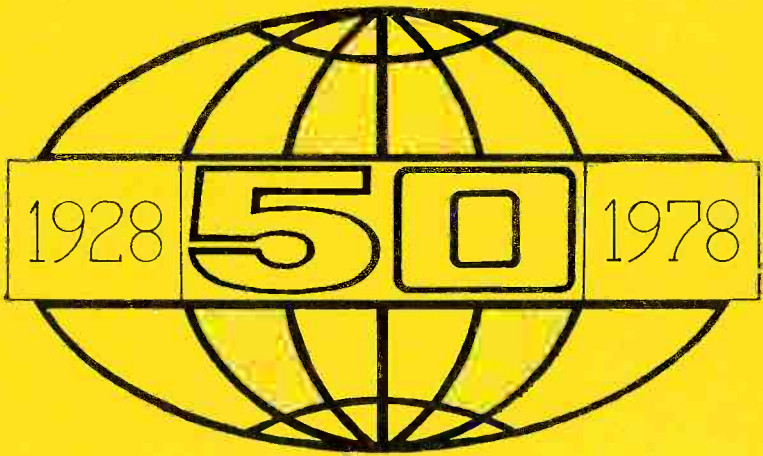


# SPEEDX

"THE DX RADIO MAGAZINE FOR ACTIVE SHORTWAVE LISTENERS"

RADIO NEDERLAND  
HAPPY STATION



50 YEARS  
ON SHORTWAVE

DECEMBER 1978

Vol.VIII No.XII



# KEYNOTES



OLIVER ELLSWORTH, MANAGING EDITOR: 2043 W 75th ST, LOS ANGELES, CA 90047

## CONGRATULATIONS TO 9 NEW FULL MEMBERS

JAMES BOEHM SAN ANTONIO, TX	CHARLES BOYD WEST GERMANY	ROBERT COLEMAN LUNENBURG, MA	JOHN KEGEL BALTIMORE, MD
LARRY LEDLOW ITHICA, NY	CLARENCE MAISE LAFITTE, LA	ROBIN MOUGENOT FRANCE	MARK ZAVATSKY FAIRFIELD, CT
RICHARD STEIN NEW BRUNSWICK, NJ			

Certificates of Full Membership and a copy of the SPEEDX Constitution are being mailed concurrently herewith to each of the above new members.

## SPEEDX WELCOMES THE FOLLOWING NEW ASSOCIATE MEMBERS

DAVE PISZCZEK GRAND ISLAND, NY	MYLES MUSTOE, JR E. WENATCHEE, WA	RONALD CURTIS TERRE HAUTE, IN	AKIRA IMAMURA JAPAN
LESLIE BYRON LAURELTON, NY	ROBERT LANGER BOSTON, MA	W. N. HUBBARD CORTE MADERA, CA	JOSEPH CROY WHITEHOUSE, OH
DUNCAN DUNN ANAHEIM, CA	ALBERT CLARKE PENSACOLA, FL	FLOYD WALKER FORT WAYNE, IN	T. KRECIC ARCADIA, CA
JAMES BARROW FULLERTON, CA	ALLEN BLACK LONGS, SC	DAVID AUDETTE WILBRAHAM, MA	LENNART JOHNSON SPRINGFIELD, MA
STEVEN WISEBLOOD SANTA MARIA, CA	TIMMY WILLIAMS HARRISBURG, AR	LEE MURRAY SALEM, OR	SANDY FACKLER WASHINGTON, OH
STANLEY SIMS CHICAGO, IL	PAUL PASTERNAK ONT, CANADA	MORAWA & CO. WIEN, AUSTRIA	YASUHIRO TANAKA JAPAN
ARTHUR SCHROEDER WEST ALLIS, WI	DONALD McPHEETERS CREVE COEUR, IL	MARK HOLMES MARION, IL	GERHARD JENSEN WEST GERMANY
NORMAN GROSVENOR HOLLYWOOD, CA	LEWIS MORRISON ASHEVILLE, NC	BOB HOLMES SAN ANTONIO, TX	JOHN CATALANO LIVERPOOL, NY
CARL GANTT MONTGOMERY, AL	EARL MERCHANT ST JOHN'S, CANADA	WILLIAM BUNCE BROWNS MILLS, NJ	DONALD DAVIS DALTON, MA

We thank you for choosing SPEEDX as your DX Club, and hope the Magazine will be a big help to you in answering some of your questions. We ask that you support the various columns, the editors will be looking forward to hearing from you.

Too all new members: We maintain a Central Distributor Editor, Bob Zilmer, P.O. Box 697, Milwaukee, WI 53201. For those of you that wishes to take advantage of this service for the purpose of keeping your postage bill at a minimum, are asked to separate your loggings by area, as Bob is working against time when relaying the slips to the respective editors. Bob's deadline is the 10th of the month. However you can mail directly to the editors whose deadline is the 15th of the month.

*Season's Greetings  
and  
Best Wishes for the New Year*

## SWBC-EUROPE COLUMN

Tim McCurdy will be out of the country on an assignment for a short time and will not be here to do his January column. Jim Mayer, 1159 La Senda, Fullerton, CA 92635 has volunteered to give Tim a hand. Will you therefore send your December loggings to Jim. Thanks Jim, I appreciate this help very much.

## WRTVH 1979 ADVANCE ORDERS

Advance orders for the World Radio TV Handbook 1979 which will retail for \$14.95 are being taken now. This year, copies will be air freighted from Europe and re-shipped by UPS. The advance order price through 12/31/78 is \$12.00 including UPS charges. All profits over the wholesale price, air-freight charges, and shipping costs will be turned over to the Handicapped Aid Program. All orders must be accompanied by remittance payable in U.S. dollars. Personal checks, money orders and bank checks are acceptable in the U.S. Canadians, please use International Money Orders. Each order must be accompanied by a stamped, self addressed envelope. Canadians, please place an unattached postage stamp inside the envelope. The deadline for the orders at \$12.00 is 12/31/78. After that date, the price is \$14.00 and delivery from air freighted stock can not be guaranteed. Publication is not expected until at least Feb. or March 1979, but orders are required now to arrange for air shipment. Handicapped Aid Program and SPEEDX accepts no responsibility for this offer. Please make all funds payable to: Donald Erickson, 6059 Essex St., Riverside, CA 92504. Be sure and place your order before the end of 1978.

Don, SPEEDX and it's members certainly thanks you for this exceptional offer.

## 1979 TROPICAL BANDS MONITORING CONTEST

James Young, P.O. Box 576, Wrightwood, CA 92397 is again scheduling another contest to begin at 0001 GMT December 30 1978 to 2359 GMT January 28 1979. See page 3 of the November issue of SPEEDX for full particulars, or for a SASE you may obtain rules and regulations from Jim Young.

## MIDDLE TENN DX ASSOCIATION

Freddy Curtis extends an invitation to join the MTDXA. Anyone in Mid Tenn, Southern Kentucky and Northern Alabama that are interested, please send a SASE to Mid Tenn. DX Association, P.O. Box 213, Alexandria, TN 37012. Phone 615 529-2882 from 2300 to 0300.

## DX CORNER RADIO RSA

After Gerry E. Wood had taped his November 1st program, management at RSA informed him that his contract was not being renewed. He wishes to convey the following: "I wish to gratefully thank the many listeners who over the past five years have supported me and DX Corner. I especially place on record my sincere gratitude to the many friends I have made with regular correspondents to DX Corner. The gifts, cards and personal greeting to myself and family will always be remembered. The co-operation received from your organization and your members has been extremely rewarding. Those friends who would like to continue correspondence can reach me at P.O. Box 24, Plumstead 7800, RSA. Cheerio and good luck to you all."

## ANARC 1979 CONVENTION

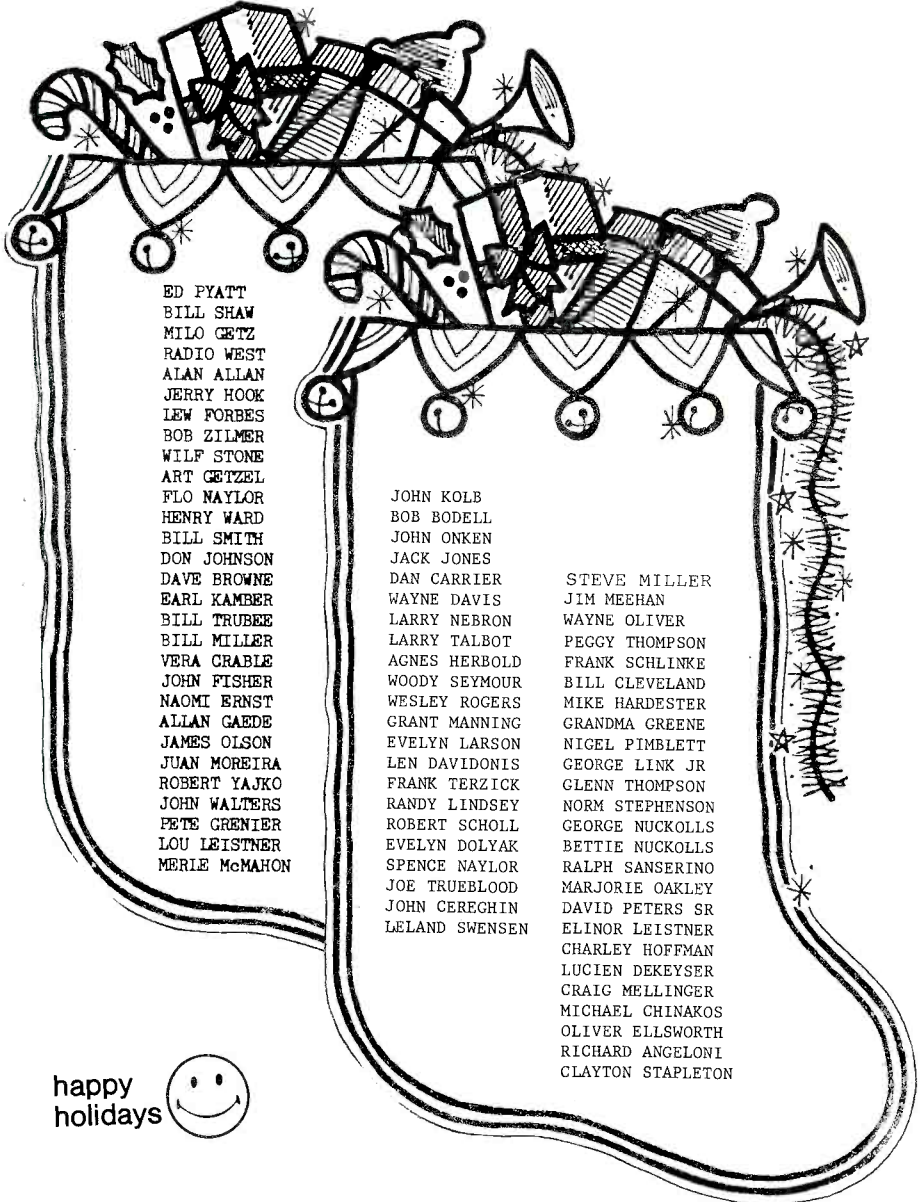
The 1979 ANARC Convention will be held in Minneapolis, Minn. on June 22-23-24. A full all wave agenda is being scheduled. For more information, send a large SASE to Association of North American Radio Clubs, 1979 Convention Committee, 3320 Grand Ave South #305, Minneapolis, Minn 55408.

## NAIMUN

James A. Bowman, Box 169, Jeffersonville, GA 31044, would like to get in touch with any SPEEDXER that plan to attend the North American Invitational Model United Nations, to be held at Washington, DC in February. Jim is interested in setting up a world-wide monitoring station with the aid of other SPEEDXERS at the Shoreman-Americona during the meeting.

Those persons whose names appear on this page wish you...

# HAP-PY HOLIDAYS



ED FYATT  
BILL SHAW  
MILO GETZ  
RADIO WEST  
ALAN ALLAN  
JERRY HOOK  
LEW FORBES  
BOB ZILMER  
WILF STONE  
ART GETZEL  
FLO NAYLOR  
HENRY WARD  
BILL SMITH  
DON JOHNSON  
DAVE BROWNE  
EARL KAMBER  
BILL TRUBEE  
BILL MILLER  
VERA CRABLE  
JOHN FISHER  
NAOMI ERNST  
ALLAN CAEDE  
JAMES OLSON  
JUAN MOREIRA  
ROBERT YAJKO  
JOHN WALTERS  
PETE GRENIER  
LOU LEISTNER  
MERLE McMAHON

JOHN KOLB  
BOB BODELL  
JOHN ONKEN  
JACK JONES  
DAN CARRIER  
WAYNE DAVIS  
LARRY NEBRON  
LARRY TALBOT  
AGNES HERBOLD  
WOODY SEYMOUR  
WESLEY ROGERS  
GRANT MANNING  
EVELYN LARSON  
LEN DAVIDONIS  
FRANK TERZICK  
RANDY LINDSEY  
ROBERT SCHOLL  
EVELYN DOLYAK  
SPENCE NAYLOR  
JOE TRUEBLOOD  
JOHN CEREGHIN  
LELAND SWENSEN

STEVE MILLER  
JIM MEEHAN  
WAYNE OLIVER  
PEGGY THOMPSON  
FRANK SCHLINKE  
BILL CLEVELAND  
MIKE HARDESTER  
GRANDMA GREENE  
NIGEL PIMBLETT  
GEORGE LINK JR  
GLENN THOMPSON  
NORM STEPHENSON  
GEORGE NUCKOLLS  
BETTIE NUCKOLLS  
RALPH SANSEERINO  
MARJORIE OAKLEY  
DAVID PETERS SR  
ELINOR LEISTNER  
CHARLEY HOFFMAN  
LUCIEN DEKEYSER  
CRAIG MELLINGER  
MICHAEL CHINAKOS  
OLIVER ELLSWORTH  
RICHARD ANGELONI  
CLAYTON STAPLETON

happy  
holidays



...and in lieu of sending cards have contributed a total of \$269.50 to the  
HANDICAPPED AID PROGRAM



# PROGRAM

DECEMBER 1978

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

# PANORAMA

ANNOUNCEMENTS...As announced last month, a new feature will begin in the January column. Each month, a "Station of the Month" will be spotlighted. Members will have the opportunity to write about their favorite programs on the particular station featured. Negative comments will not be included unless they are constructive in nature. The schedule for the first three months is: JANUARY--Radio Australia; FEBRUARY--Radio Canada International; MARCH--BBC World Service. Deadlines for contributions will be the 15th of the preceding month (e.g. December 15 deadline for the January issue). Let's have a good sampling of comments on Radio Australia for the next issue. Also, you can send in comments on stations in early...comments for the March issue are being accepted NOW.....Comments and suggestions are always welcomed.

CHRISTMAS...The Christian World's annual celebration of Christmas provides the shortwave listener with a wealth of interesting programming. For programs of a religious nature, HCJB and other missionary broadcasters are your best bet. Other stations will have programs explaining the customs in their country during the holiday period. Radio Sweden usually has excellent programming during December. Try your favorite station for holiday programming.....This editor's choice for holiday programs is the BBC World Service. This will be my 10th Christmas with the BBC, and if this year's schedule is any indication, the BBC's tradition of quality special holiday treats will be continued in 1978. The highlight is the Festival of Nine Lessons and Carols on the 24th at 1505 GMT, repeated the 25th @ 0030 and 0945. Broadcast from the Chapel of King's College, Cambridge, this service of short readings and carols entralls the listener. This year marks the 50th year that the BBC has broadcast the service..... BB Secombe is a complete guide to World Service listening by "Goon" Harry Secombe. The BBCWS might never be the same again. Tune in on the 25th @ 1715 GMT or on the 26th at 2209 to see why the BBC says that "We are rather worried about it....".....Christmas Day Service comes from the world famous Church of St. **BBC** Martin-the-Fields on the 25th @ 1130 or on the 26th @ 0030 GMT.....And Yet Another Partridge In a Pear Tree is the story of the young lady who receives the gifts of the "Twelve Days of Christmas" from an admirer. This humorous program can be heard on the 25th @ 1130, on the 26th @ 1615 and on the 29th @ 2330 GMT...Bertie's Christmas Eve by Saki is scheduled for the 24th @ 1745 and 2245 and the 25th at 1245 GMT. An old Russian legend says that if you go into the stable at midnight on Christmas Eve, you will hear the animals talk. The reader is Ian Carmichael.....Other shows of interest are Cliff Richard in Concert on the 25th @ 1515 and 2115 and on the 26th @ 0945 GMT, Hancock's Half Hour on the 24th @ 1715 and on the 25th @ 1215 and 2209 GMT; also, Two Cheers For '78 (a satirical look at 1978) on the 26th @ 1030 and 1830 and on the 27th @ 0115 GMT.....As you can see, the BBC World Service will help you celebrate the season. For religious programming, HCJB usually has excellent fare. A program schedule for HCJB is not available at the column deadline, but tune in for some good listening!..... The Jewish World will be celebrating Chanukah during the month. IBA and other broadcasters will offer special programming for this occasion.

NEW YEAR'S...Shortwave listeners have a unique opportunity to celebrate the coming of 1979. Start with Asia/Oceania around 1200 GMT on New Year's Eve and follow the rotation of the Earth. Favorites include ABC Perth and the BBC World Service.....Most stations will carry a year-in-review-type of program during the last week of December.

Coming up on page 2--regular news of lineups, program comments and perhaps an illustration or two!

BULGARIA...Wednesday's lineup from Radio Sofia has changed from that listed in last month's column. Now you can hear The Socialist World of Today, 13 Centuries Bulgarian State--Events and Personalities, Youth Corner and Bulgarian Philately on that day.....Shortwave broadcasting can be hazardous to your health, particularly if you are a Bulgarian working for the BBC World Service's Bulgarian section. Two members of that group were assassinated recently in cloak and dagger fashion. According to clippings from the Daily Mail for October 8 forwarded by SPEEDXer Stephen Froom of England, motives for the killings are not certain, but recent broadcasts critical of the Sofia government are considered important factors. (Thanks to member T. Uyeno for the Radio Sofia program change item)

CANADA...The Royal Canadian Air Farce is now available on record! The popular satire feature(see last month's column) of CBC radio is to release an album in December. The price of the record is \$6.98 (Canadian) and may be ordered from CBC Learning Systems, Box 500, Station "A", Toronto, Ontario M5W 1E6 Canada. Favorite RCAF sketches will be included on the album. (John Kegel, Baltimore, MD)

CHINA(People' Republic)...Radio Peking features the following English programs: SUNDAY: Listeners Letterbox; MONDAY: Across the Land and Learn to Speak Chinese; TUESDAY: China in Construction; WEDNESDAY: Learn to Speak Chinese and The Third World Marches On; THURSDAY: Culture in China; FRIDAY: In the People's Commune; SATURDAY: Music From China. (Marjorie Oakley, CA)

FINLAND...Radio Finland is one station that tries to promote shortwave listening for content. It now issues what is called an "audience card" which requires some program comments as well as that data usually required for a QSL card. Also, a recent press release from Radio Finland stated:"...to all who write to ask and then wonder where they went wrong, we issue no pens, pennants, report forms, stickers, posters, brochures, or T-shirts. This is a radio station, not a supermarket." (R. Finland)

### Oy. Yleisradio Ab.

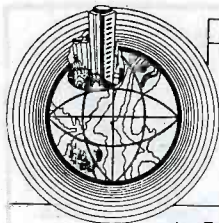
The Finnish Broadcasting Company Ltd.  
HELSINKI FINLAND

NEW ZEALAND...Regular features over the Overseas Service of Radio New Zealand include: Arthur Cushen's DX World on the 1st Sunday of the month at 0915 GMT, Mailbox on the 3rd Sunday of the month at 0915 GMT, Roundabout at 0400 GMT daily(a magazine program featuring music, unusual events and interviews with interesting people) and Evening Showcase at 0630 GMT daily(stories, plays, news and special reports). Pacific Newsletter, a program in English with matters of interest for the Pacific Island people is heard at 0430 GMT Saturdays. (Oakley-CA)

SWEDEN...Radio Sweden's language services are under the gun. It seems that a report recently published by a government-appointed commission has taken a less than optimistic view of Radio Sweden's effectiveness, and may lead to changes in priorities that would result in the dropping of one or more languages. The report characterized many SW listeners as "dial twiddlers" who collect stations rather than listen to them, and concluded that Radio Sweden has very few listeners. Naturally, there has been some controversy over these conclusions. (Sweden Calling DXers, Bulletin No. 1505...Thanks to DX Editor George Wood)

**radio SWEDEN**  
108 10 STOCKHOLM SWEDEN

SOUTH AFRICA...Radio RSA has fired DX Editor Gerry Wood. The decision was made so quickly that Mr. Wood was unable to say goodbye to his listeners on the air(he had pre-recorded the programs). It seems that the management of Radio RSA has decided to cut back on the time for English language DX programs. The Wednesday program has ceased. Gerry Wood left at the end of October. He forwards a message to his listeners, thanking them for the cooperation and friendship of the past five years and asks for them to write him at P.O. 24, Plumstead 7800, Republic of South Africa if they wish. (Review of International Broadcasting #21) Those listeners who would like to protest this action should write to Radio RSA--Editor--so ends another column. I'd like to wish everyone a Happy 1979! *Woody* 11/20/78



# RANDOM NOTES FROM ANARC PART 4

As Taken By And Subsequently Transcribed By Alan W. Brooks

6 Tilton Avenue.....Exeter, New Hampshire 03833

The highlight of the 1978 ANARC Convention in Montreal? Well, for some it was the rooftop christening party for Greg Ravenhorst's new radio. Much Molson-assisted DX! For others, like Bob Finchuk and Dave Twiggs, it was punching up each and every floor number on hotel elevators...Tom Cavaras, falsely rumored to be Chief Engineer for the Voice of the Voyager, prepared for the Sunday morning session with the traditional writing of postcards...Andrew McFarland, progeny of host Ian, was the guest gaveler for the Sunday activities.....To Dr. David Meisel the sun is a "Dr. Jeckle and Mr. Hyde". Or so he said. He noted that we were in an "active sun" aspect when the sun does some bazaar things. Chromosphere observations may be better, but the sunspot area is easiest to see. He noted that there was a 50-year period of little or no activity sometime between 1600 and 1700. Bet DXing was interesting then! Dr. Meisel also pointed out that sunspots don't "cause" anything; it's only an effect. Predictions indicated sunspot maximum may get as high as 220. In addition you might expect one good solar flare per week around sunspot maximum and as many as thirty sub-flares. He advised, nevertheless, against giving up DXing during a solar flare. There was caution for those who would give away the high bands because of current sunspot activity as Dr. Meisel feels the high frequencies are coming back. His proposal would be for an eleven-year cycle of frequency allocation. The good Doctor also expressed interest in the upcoming WARC '79 maneuvering "when they find they cannot give away what they wanted to give away two years ago." As far as broadcast band DXing is concerned Dr. Meisel indicated that it will not "go down the drain", but propagation will get "stranger". It was suggested that, perhaps, BCB enthusiasts should consider buying shortwave sets. And, finally, Dave Browne couldn't resist thanking Dr. Meisel for an "illuminating" talk. Oh, well, win some, lose some...

Unlike previous conventions there were two ovations for ANARC's Executive Secretary Dave Browne - one for his shortest speech in recent memory - and the other for not reading a 126-page report at the Sunday business meeting. For Dave that might have been the highlight of the convention....For others the entertainment highlight may have occurred about midway through the Sunday afternoon auction. It started innocently enough. A set of HAP DXers' Course cassettes were offered. Bidding started slowly so cassettes of the Ident and Interval Signal Series were added. Things picked up briefly, but quickly bogged down again - so, the auctioneer began sweetening the pot. He added a free diamond cartridge, then some T-shirt transfers, and later a Radio Australia pin and tie clip. Next came a VOA cloth patch, sticker, frequency schedule, and some verification cards. Now a time calculator. And then out of his bag of tricks our wily auctioneer produced A VOICE OF AMERICA STATION PENNANT. Well, things just mushroomed out of all proportion. Bidding became the most spirited in the history of the HAP auction. VOA Program Director Paul Modic, caught up in the bidding one would suppose, donated the VOA pen right out of his own pocket. It was pointed out, of course, that the pen writes only in Special English. A VOA poster and a personally-conducted tour of VOA was thrown in. Add bumper stickers, communications stamps, a German book, a copy of the DX Survey results, an autographed copy of Art Cushen's book, and the official convention poster. George Link, finally, outbid Gerry Bishop and carried away all of the paraphernalia for over \$100. It might be well to point out to those interested that big-spender John Trautschold dropped out when the bidding reached the princely sum of three dollars...



What few realized at the time was that other VOA pennants lie hidden beneath the auction table. Before the smoke had cleared Art Getzel had ended eight years of frustration with a successful bid for one of the individual pennants which followed.....All SPEEDX staffers were granted pennant-fondling rights...SPEEDX Prexy Don Johnson outbid Vice President John Trautschold for another, then gave it to him as an advanced birthday present. "Uncle Don Takes Care Of John" may have become the folk ballad of ANARC '78...At one point the bidding nearly got out of hand when someone inadvertently bid on Don Erickson's lost hotel key.....Greg Ravenhorst's luck continued as the vending machine he used for potato chips purchases was apparently having a two-for-one sale...Among the items auctioned off was a donation from SBC's two Bobs, the Upper and the Lower Sideband, of a fine watch. One potential bidder wanted to know if it was a "five-speed"! For nostalgia there were also metal dies of the old Radio Canada symbols. Inside information indicates that the current RCI logo is referred to by employees as the "exploding pizza"....





# 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

DIPOLE ANTENNAS .....There has been many enquiries regarding dipole or "doublet" antennas and thier attendant transmission lines. Hopefully, this short discussion will help clear up some questions about this device.

A dipole is simply a center-fed "half wave" antenna. We mean by "half-wave", actually half of the wavelength we are trying to receive. (or transmit) This antenna can be either in a horizontal or vertical plane, but generally we erect it horizontally in the HF bands (3-30 MHz.)

The length of the dipole will depend on the band or frequency it is cut for. This is easily calculated by the following formulas:

$$\text{Dipole length in feet} = \frac{468}{\text{freq. in Mhz.}} \quad \text{Length in meters} = \frac{29.1}{\text{freq. in MHz.}}$$

EXAMPLE: Let's say we want to put up a dipole for 60 meter DXing. Since most of the activity falls between 4.8 and 5.0 Mhz., (aprox.) we design the antenna for a 4.9 Mhz. center frequency. Using the first formula to obtain the "half wave" length in feet:  $468/4.9 = 95.5$  feet.

Now what about that "feeder"? How do we connect it and what do we use? A dipole feedline or "transmission line" as it's known technically, is connected at the exact center of our "half wave" antenna. (See diagram).

Theory books will tell you the "impedance" of a dipole is 73 ohms. This varies with the height our antenna is erected. For our purposes, it makes not a "dimes worth" of difference whether we use 50 or 75 ohm coaxial cable OR 75 ohm TWINLEAD. (NOT the 300 ohm stuff we use with TV!!!) 75 ohm TWINLEAD is the best stuff but it is very hard to find. Stick with coax. cable like RG-58/U or RG-59/U. Forget about "baluns" and balancing devices, they will make very little difference in a receiving antenna. (For all practical purposes) The job of the feeder is to transfer the energy (RF signal) the dipole intercepts and transfer it to your receiver's antenna terminals with a MINIMUM of loss and noise pickup. (And low "V.S.W.R." to you technical types!) Whatever you use for a feeder, loop it around the center insulator and tape or tie as shown to take the strain off the connections.

Our antenna is best erected at at least a "quarterwave" length above ground. This is HALF the length of the antenna, but can be higher. It will work at less than a "quarter wave", but at reduced efficiency. (About 40-50 feet for our 60 meter example)

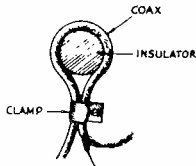
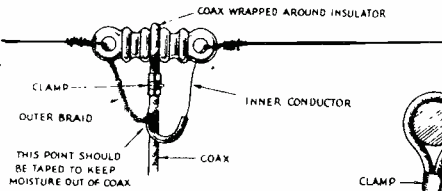
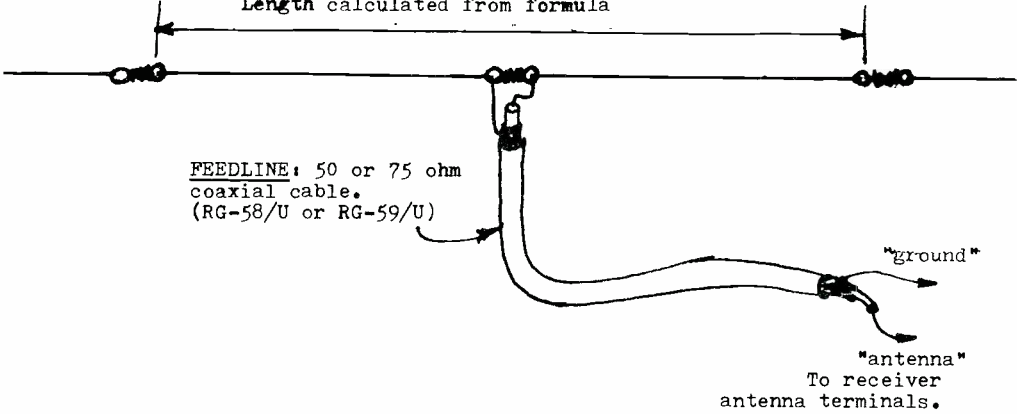
A dipole is basically a one band antenna. In our example, it will work most efficiently on 60 meters only but should work at least as well as a "random wire" on other bands. A multiband dipole can be constructed by attaching a number of "half wave" sections to a common feeder, thereby creating the so called "Fan Dipole". (See figure) Another scheme is the "trap" dipole similar to the Mosley SWL-7 antenna, but this is too complicated an arrangement for the average DXer to construct as it requires test gear to tune up the traps and antenna sections.

Why use a dipole? It's simple and cheap to construct, efficient on the band it is tuned to, generally rejects noise better than a vertical or "random wire" antenna. On the "disadvantage" side, requires two support poles and more space than a vertical, is frequency "sensitive" (best for one band only, unless the multiband model is constructed), and is directional in it's response. (Maximum signal received at right angles to the antenna) and requires a feeder of some sort that doesn't contribute to the signal gathering ability of the antenna. I hasten to add that some of these attributes can be exploited as "advantages".

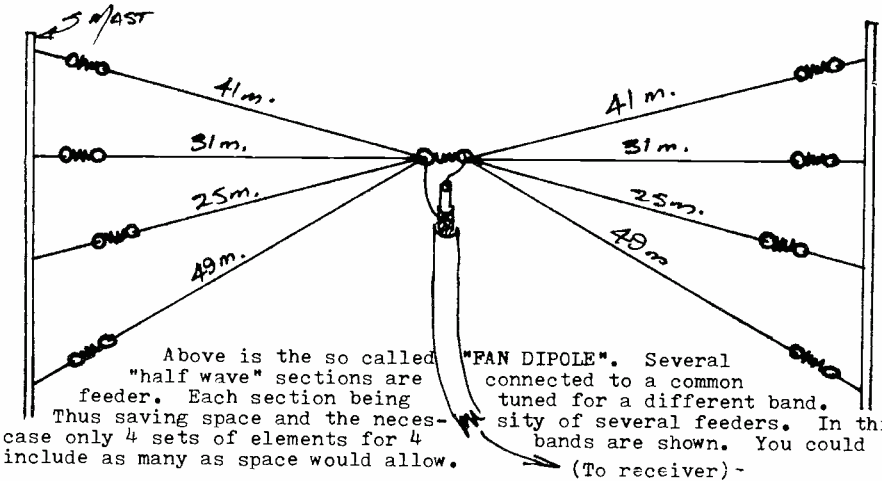
If you use a vertical of some sort now, it will definitely be a "must" for your favorite band, unless you go "whole hog" and build the "Fan" version. It always helps to have an extra antenna when digging out those "rare ones".



Length calculated from formula

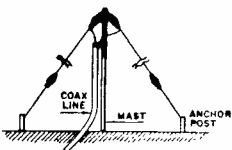


The diagram to the left shows the manner in which the coaxial cable is folded over the center insulator to take the strain off the soldered connections.



Above is the so called "FAN DIPOLE". Several "half wave" sections are connected to a common feeder. Each section being tuned for a different band. Thus saving space and the necessity of several feeders. In this case only 4 sets of elements for 4 bands are shown. You could include as many as space would allow.

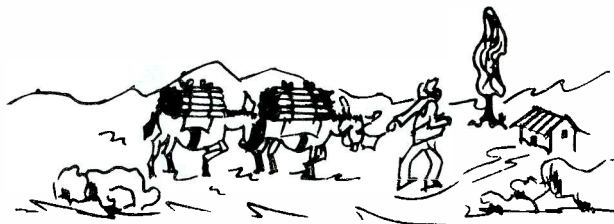
An alternative arrangement of the standard dipole antenna is shown in the small inset below. This is known as the "Drooping dipole" or now more commonly as the "Inverted Vee". In reality, it is not, in a strict sense a "Vee" antenna at all. (A Vee antenna being a derivative of the "Rhombic" antenna!) BUT, usage calls it such. It has the advantage of requiring only a single mast support instead of the usual two or three for the "standard" dipole. Antenna wire used for the "flat top" portion of the dipole can be plain or enamelled copper, solid or stranded. Use about 18 to 14 guage wire. This and the coaxial cable is usually available at the corner Radio Shack store. Try and obtain "end" insulators for the antenna and not the "strain" variety used for insulating guy wires on masts and towers. The "end" insulator has lower loss and will perform better in the long run.



# SWBC DX - Western Hemisphere

◁ EDITOR ▷  
**CHRIS HANSEN**

2825 Webb Ave, Apt 5-F  
Bronx NY 10468



DECEMBER, 1978 - LAS NOTICIAS

Hi, everybody. Chris has appointed me as the ad hoc editor for this month as he takes a breather to get his personal affairs in order now that he's left the Seminary. Chris will be resuming his editorial responsibilities next month and your loggings should be sent to him at his new address: 2825 Webb Avenue, Apartment 5-F, Bronx, NY 10468

Now, on to a few news items from the BBC Monitoring Service. Please keep in mind that their material is copyright and cannot be reproduced further without their permission.

CANADA - Radio Canada International announced that from Monday 6th November it would broadcast a new transmission for its listeners in Europe. It will be broadcast from Mondays to Fridays from 2200-2300 on 11855, 9575, and 5995 kHz and will consist of a relay of the Canadian Broadcasting Corporation's Domestic Service news bulletin "The World at Six" and the first 30 minutes of the current affairs program "As it Happens."

MEXICO - Radio México's external service in Spanish from 2155-0355 is now observed on 11770 kHz in addition to 15385, 9705 and 5985.

NICARAGUA - Radiodifusora Nacional de Nicaragua, on 5950 kHz, carries newscasts, in Spanish of course, at 15 minutes past 0100, 0200, 0300, 1200, 1400, 1500, 1900, 2100, 2200, and 2300. That's 15 minutes past the listed hour. All are five minutes duration. There are additional extended newscasts at 0345, 1255, 1800, and 2355.

Now, on to the loggings, with first a reminder that all frequencies are in kiloHertz (kHz), all times and dates are in GMT, and all dates are in month/day order.

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## SOUTH AMERICA

### ARGENTINA

- 5880 0032 R. Rividavia, 20 min, sxcast with break for ID @0040 (333, 10/14, Thompson, CA)(343; 10/24. Yajko, PA)(It's great to have you back as a contributor, Bob! ed.)
- 5985 2302 R. Splendid, SS IS, ID, nx (11/23, Wood, NH)
- 9690 0310 RAE, OM, YL cmt about "Argentina" dialogue (344; 10/16. Hrivnak, IL)
- 11710 2330 RAE, EE, ID by OM, px: "Argentine Folkmx." (433' 10/23. Donly, SC)(332; 11/1; Brown, IL)(222;10/20. Hodsdon, MN)

### BOLIVIA

- 6090 0948 R. Stentor, SS, Native mx, heavy on horns and drums, much yelling. Somewhat similar to Peruvian mx, but much wilder. (333; 11/5. Jones, MS)(333; 10/31. Jones, MS)

### BRAZIL

- 4770 0010 R. Dif. de Macapá, PP, Brazilian mx, fast talking DJ, ID (333; 10/19. Tannenwald, NY)
- 4835 0120 R. Roraima, PP, lively pop mx, OM ancr; Lots of dead air, not too professional ID's, (333; 11/7. Thompson, CA)
- 4835 0906 R. Nacional Boa Vista; PP w/ ID by OM, local vocals, poor modulation (333; 10/20. Lobdell, MA)
- 4855 0540 R. Clube do Pará; EE, rock mx, full PP ID @0550, nice after utes gone. (444; 10/24. Lobdell, MA)
- 4905 2352 R. Relogio, PP talk by OM, time pips and TC each minute, full ID @0000 (333 10/14. Lobdell, MA)
- 4915 0300 R.Dif. Macapá, PP, ID "R.Dif. Macapá, Macapá, capital do Territorio do Amapa," s/off with multi-verse anthem (not too common at Brazilian s/offes)(11/7 Wood, NH)(444; 10/16. Hoffman, PA)
- 4935 2215 R. Capixaba, Sxcast w/ OM (343; 11/5. Maghakian, Bianco, Peck, NY)
- 4964 0345 R. Potí, PP, ID, mx, OM tlc (322; 11/3. Howell, CA)(322; 11/5. Hoffman, PA).

BRAZIL (continued)

- 4985 0200 R. Brasil Central, PP, ID's vocalists, guitar mx, pop mx, some U.S. recordings (444, 11/7. Thompson, NM) (332, 10/12. Tannenwald, NY)
- 5045 0221 R. Cult. do Pará; PP, 0210 w/ MOR vocals - 0221, OM ID "...R. Cultura do Para..." then into some tlk and back to mx @0223. Very weak static-filled signal but could still copy their good modulation. (232; 10/31. Trautschold, WI)
- 5955 2330 R. Gazeta, PP, Brazilian mx, ID, mention of Sao Paulo (222; 10/16. Blom, NY)
- 5965 2330 R. Guaiba, PP, Brazilian mx, ID (222; 10/16. Blom, NY) (342, 11/6. Novello, NY)
- 6085 0100 R. Jornal do Comercio, PP, sx program (322; 11/2. Zilmer, WI) WI
- 6095 0015 R. Dif. de São Paulo, PP, tlk, mx, ads, rapid tlk, electronic jingles (Zilmer, WI)
- 6135 2345 R. Gaucho, PP, tlk, ID (322; 10/18. Zilmer, WI)
- 6165 2356 R. Cultura, PP, Classical mx, ID, freqs. mentioned, ads (332; 10/23. Zilmer, WI)
- 6185 2330 R. Bandeirantes; PP, tlk, mx, ads, electronic jingles (322; 10/11. Zilmer, WI)
- 9585 2245 R. Excelsior, PP, pop mx, tlk, ID @2258, freqs. given (333; 10/31. Zilmer, WI)
- 9645 2330 R. Bandeirantes, PP, tlk, mx, ads, jingles (422; 10/11. Zilmer, WI)
- 11765 0405 R. Tupã, PP, Brazilian-sounding folkmx; PP tlk by OM, QRM de R. Moscow (222; 10/30. Peck, NY)
- 11780 0045 R. Nacional de Brasilia; PP, many ID's, mostly vocal and orchestral mx, (454; 10/19. Thompson, NM) (333; 10/2. Oakley, CA) (444; 11/6. Thompson, CA)
- 11965 0240 R. Panamericana, São Paulo, PP, OM, folk mx, YL, piano, violins, "To Dream the Impossible Dream," ID. (434; 10/14. Oakley, CA)
- 15145 0250 R. Jornal do Comercio, PP, presumed to be hetting against WINB, Brazilian tunes with OM jock; off suddenly 0252 (322; 10/19. Novello, NY)
- 15325 0000 R. Gazeta, PP, Sports, //9685, (332; 10/19. Zilmer, WI)

CHILE

- 6135 1003 R. Univ. de Concepción, EE, YL w/ ID, address to write to for info on station, anthem, into SS (443; 11/8. Jones, MS) (332; 10/20. Jones, MS)
- 6190 1500 R. Nacional; SS, nx, mx, OM, slow instrumental mx, ancr interjecting every 3-4 records (434; 11/9. Aisenberg, CA) (10/28. Wood, NH) (353; 11/5. Jones, MS)
- 11640 0121 LVCH (Abbreviation for La Voz de Chile), EE, YL w/ tlk; Is this a harmonic? It's unlisted, 5820 blanK. (333; 10/23. Naylor, CA)
- 11765 0230 LVCH, EE, ID, nx by YL, very poor, mucho QRM!! //11765, also poor. (322. 10/23. Blaize, LA) (FF, 444/10/14. Naylor, CA) (EE, 444; 10/19. Smith, CA) (SS, 444; 10/2. Oakley, CA)
- 11890 0105 LVCH, EE, Hard to understand with QRM on both sides. 11765 hetted. Still talking about progress under new government (432; 10/6. Earhart, PA) (544; 10/19. Hrivnak, IL)
- 15136 2350 LVCH, EE, discussion of China, mx (444; 4/10. Woltman, WI)
- 15140 2210 LVCH, EE, YL on developments over last 5 years, Santiago trade fair, copper exports, followed by mx (332; 10/6. Earhart, PA)
- 15175 0001 LVCH, SS, ID, program introduced in SS, Cmnty, Chilean mx, (444; 10/31. McGurley, MD)
- 15210 0130 LVCH, EE, propaganda about Chile and its involvement with other LA countries. (544; 11/6. Curtis, TN)
- 17715 2220 LVCH, EE, nx, cmt, Dispute w/ Argentina can be settled peacefully as war would be foolish and suicidal (if the war were on SW Chile would win hands down) (433; 11/4. Brown, IL) (544; 10/18. Webster, AL)
- 17880 \*2200 LVCH, EE, mx after ID (YL), Chilean relationship with People's Republic of China, to Europe //11790 (There was an interesting comment about Chile and PRChina in November's RIB. ed.) (232; 11/5. Miller, CA)

COLOMBIA

- 4755 0645 Em. Nuevo Mundo, SS, OM, LAM mx, several CARACOL net ID's, pop mx, radio drama, (0710-0720) (444; 11/5. Thompson, CA) (233; 0545; 10/30. Trautschold, WI)
- 4785 0709 Ecos del Combeima, SS, folk mx, talk (Was there an ID? ed.) (454; 11/5. Webster, AL) ("half-drunk sounding ancr" with ID w/ vocal by "Boga...Boga Boga" (Whatever the heck that is. ed.) (433; 11/5. Lobdell, MA) (ID's, TC's, 353; 11/3. Jones, MS) (343; 0551. 10/30. Trautschold, WI)
- 4865 2330 LV del Cinaruco, SS ID "En el año de su aniversario, LV del Cinaruco sirve mas y mejor" (11/6. Wood) (333; 10/22. Novello, NY) (Machine-Gun ancr, ads @0358 too fast to catch ID [343; 10/15. Earhart, PA]) (333; 10/23. Tannenwald, NY)
- 4875 0634 R. Super de Medellín, full ID as R. Super de Medellín, giving MW call (HJNX/710 kHz) & freq., vocals w/ R. Super ID after each selection. No sign of the R. Super de Cali ID's heard on 10/9; format different too. Perhaps the Cali broadcast was a relay??? (444; 11/5. Lobdell, MA) (I would incline to that opinion. ed.) (0525, R. Super affiliate, SS, opening bars of "Pictures at an Exhibition" as IS, station IS, not net [332; 10/19. Brown, IL]) (0620. R. Super, LAM uttempo vocals, OM DJ w/ TC's and ID's for "R. Super... escuchando..." Supposedly Norte is carrying the Super net, but I haven't heard a Radio Norte ID since heaven knows when. Maybe Super just took over

COLOMBIA (continued)

Radio Super de Medellín, continued

this frequency? [343, 0620, 10/30, Trautschold, WI]). I believe that you are correct, John -- Super de Medellín just took over this fq., and so we can just tear out the offending entries in the 1978 WRTH -- by the by, I hope all you DXers have \$18 ready for the 1979 WRTH???? ed.)

- 4885 0245 Ondas del Meta, SS, tlks, ID's, vocals, guitar mx, (343; 11/7. Thompson, NM) (343; 10/21. Earhart, PA)
- 4925 0257 Emis. Meridiano 70; SS, s/off w/ "Gloriosas notas del himno nacional de la Republica de Colombia" (11/7. Wood, NH)
- 4945 0712 R. Colosal, SS, OM w/ lively LAM mx, ID's 0722\* suddenly, xmtr problem (No, more likely the ancr had to go somewhere, hi! ed.[Of course, it could be xmtr problems, but these things are very loose in S.A.]) (444; 10/15. Thompson, CA) ("Noticias de la Hora Cero", [453; 10/18. Brown, IL]) (343; 10/24. Osterman, OH) (0430; 333; 11/1. Hrivnak, IL)
- 4965 0710 R. Santa Fe, SS, OMM, lively LAM mx, jingles, ID's (544; 11/10. Thompson, CA)
- 5010 1030 R. Surcolombiana, SS, ads, TC, ID, then tlk that sounded pre-recorded -- political, probably (343; 10/21. Earhart, PA)
- 5020 1037 Ecos del Atrato, SS, ID by OM, campesino mx, ballads (343; 10/21. Lobdell, MA) (333; 10/21. Jones, MS) (343; 10/21. Earhart, PA. Stronger than Surcolombiano!!)
- 5040 0718 R. Cinco, SS, local mx, little tlk, (454; 9/10. Forsman, CA) (333; 10/8. Ireland, TN)
- 5075 2300 R. Sutatenza, SS, YL w/ tlk on the Camp David Summit meeting, sounds of birds chirping w/ ID by OM @2310 (433; 10/26. Peck, NY)
- 5095 0050 R. Sutatenza, SS, OM s/ nx, Coca-Cola ad, jingles, ID's (232; 11/7. Thompson, CA) (333; 10/30. Zink, CA) (233; CW QRM [5095 is always spoiled by that CW here. ed.] 0148, 10/31. Trautschold, WI)
- 5950 1123 R. Super?, SS, mx, OM ancr, ID 1131, (343; 10/11. Earhart, PA)
- 5955 0959 LV de los Centauros, SS, ID, ads, (Banco de Colombia) LAM mx, (433; 10/25. Jones, MD) (ad for Xerox copying (10/18, Wood, NH)
- 6065 0300 R. Super, SS, ID, LAM mx; (322; 10/15. Blom, NY) WI
- 6075 1101 R. Sutatenza, SS, ID, LAM mx, marimba mx, tlk //5075 [343] (333; 10/20. Zilmer)
- 6095 0952 LV del Centro, SS, ID, campesino mx, AFRTS gone (343; 11/5. Jones, MS) CA
- 6115 0701 LV del Llano, SS, OM w/ ID, LAM mx, (333; 10/15. Thompson, CA) (333; 10/28. Zink,
- 6140 0707 R. Melodía, SS, very little talk, mostly records, ID's (253; 10/7. Forsman, CA) (333; 10/7. Tannenwald, NY)
- 6150 1029 LV del Huila, SS, "La hora más feliz en La Voz del Huila. Somos profesionales, somos Todelar, somos La Voz del Huila - Huila, BUENOS DIAS!" You can't beat this one for sheer enthusiasm. (444; 11/2. Jones, MS) (333; 10/11. Tannenwald,
- 6160 0742 Em. Nueva Granada, SS, OM, LAM mx, ads, Is this now "R. Suceso?" NY (No, it isn't, as far as can be told. In several places I have read that "R. Suceso(s)" is a news or comment program which is run over Em. Nueva Granada, and not a new name for the station ) [343; 11/9. Smith, CA]
- 15335 0345 R. Nacional de Colombia, SS, OM, baritone accompanied by piano, all class. mx ID as "HJZP, Bogota" (454, 11/9. Smith, CA) (323; 10/26. Palafox, ND) (454; 10/31. Smith, CA)

ECUADOR

- 3280 1022 LV del Napo, Indian, ID, tlk, LAM pop mx; (322; 11/7. Jones, MS)
- 3315 1051 R. Pastaza, SS, ID, call, fqy, lengthy rendition of NA, into px: "La Hora ?" faded out fast (343; 11/1. Jones, MS)
- 3325 0616 Ondas Quevedenas, SS low-key ancr w/ID, TC by OM, flute mx; clobbered by ute (333; 10/24. Lobdell, MA)
- 3985 1024 Esc. Radiofonicas Populares, SS, mx, tlk (233; 9/26. Forsman, CA)
- 4680 0435 R. Nacional Espejo, SS, ID as: "Escucha la mejor Radio Nacional Espejo", TC, mx; (243; 10/14. Esquivel, CA) (454; 10/18. Osterman, OH)
- 4820 0936 R. Paz y Bien, SS, ID, TC, "Musica Ecuatoriana" (443; 11/8. Jones, MS)
- 4910.5 2335 Emis. Gran Colombia, SS, ads (11/6. Wood) (very fast SS, mention of "R. Cadena Nacional", very bad het to 0530, s/off w/ march mx @0532 (322; 10/14. Brown, IL)
- 4920.5 0306 R. Quito, SS, well-produced show on opening of Volkswagen factory in Quito, speeches, excellent (11/7. Wood, NH) (434; 11/8. Famularo, NJ) (323; 10/24. Osterman, OH) (454; 11/2. Hagen, IL)
- 4940 0157 R. Dif. Nacional del Ecuador, SS, ID, Ecuadorian mx, no sign of Yaracuy, (343; 11/2. Jones, MS)
- 5025 \*1008 R. Splendit, SS, "Buenos Dias Ecuador", ID, fqys, short rendition of NA, into typical Ecuadorian mx (443; 10/27. Jones, MS)
- 5055t 2255 R. Católica, SS, sermon, hymn mx, OM singing w/ piano (222; 10/25. Peck, NY)
- 6095 0516 HCJB, EE, letterbox, melodies [old-fashioned] "Unshackled" (345; 10-25. Smith, FL)



ECUADOR - (continued)

- 9560 0230 HCJB, EE, DXPL, gave IS of RMoscow, DX tips from an Australian listener, etc., (444; 10/31. Thompson, NM) (422; 10/12. Link, CA) (544; 11/5. Curtis, TN) (444; 11/2. Pecenka, IN)
- 11745 1420 HCJB, EE, pause for Good News, ID, TC, "Big Jon and Sparkie" (343; 10/14. Smith, FL)
- 11835 0359 HCJB, EE, ID @0400, Rumanian; @0428 in EE, @0430 in RR, (555; 11/4. Stein, NJ) (FF, 422; 10/8. Baker, IL)
- 11840 0603 HCJB, GG, Andean mx, rel tlk, mx; (333; 10/17. Smith, FL)
- 11915 0541 HCJB, EE, Weekend Passport, (333; 11/12. Cereghin, MD) (444; 10/24. Zelasko, IN) (443; 10/10. Fraser, MA)
- 15115 1300 HCJB, SS, Economic report, (333; 10/29. Palafox, ND)
- 17885 2315 HCJB, GG, OM tlk in GG, mentioned Christ so waited for an ID. Ancr came on @2329 and gave ID, said they would continue in Japanese -- but went off air (353; 10/25. Earhart, PA)
- 21480 2140 HCJB, Nordic lang; YL tlk w/ several mx interludes, vocal hymn @2151. ID @ 2158 in Nordic, came in @2159 in English and said they were concluding px in Nordic to Europe (353; 10/20. Earhart, PA) (EE, 1945; 343; 10/17. Proom, GB)

FRENCH GUYANA

- 3385 0250 NOT OFF THE AIR AS REPORTED IN OCTOBER SPEEDX (AND OTHER PLACES. ED.)!!!!!!  
FF TLK BY OM w/ MENTIONS OF CAYENNE AND DEFINITE ID, CALYPSO MX, EASY LISTENING MX [332. 10/15. WEBSTER, AL]
- 3385 \*0900 FR3, CAYENNE, FF, GUITAR IS, ANTHEM (LA MARSEILLAISE) ID, FQYS BY YL ANCR, INTO DISCO MX. GOOD SIG BUT MOD. SEEMED WEAK. [433, 11/8. JONES, MS]

GALÁPAGOS ISLANDS

- 4810 0251 LV de Galápagos, SS/EE, light mx, SS om ammts, EE tobacco ads, TC in EE twice (253; 11/8. Forsman, CA)

PERÚ

- 4790 2350 R. Atlántida, SS, Andean mx, clear, nice-pre-0000 reception (10/28. Wood, NH) (453; 10/25. Jones, MS)
- 4860 0735 R. Chinchaycocha, SS, fast tlk, tenor OM ancr, tlk, folk mx; 0809 ID; (343; 11/5. Thompson, CA) (0940, 0942\* abruptly, no carrier, still off @0945 [353; 10/27. Jones, MS])
- 5010 \*1014 R. Eco, SS, ID, ".Buenos días hermanos del Perú y mundo..." Anthem, Argentine-sounding mx, YL ancr w/ ID (433; 10/31. Jones, MS)
- 5980 0545 R. Panamericana, SS, ads from "Banco Regional" ID and rock mx (232; 10/8. Esquivel, CA) ("Por musica del mundo, siempre Panamericana!" (353; 10/31. Jones, MS)
- 6010 0945 R. América, SS, Disco mx, TC, "--en América" Full ID as "Radio América", 1055, splash from Relej (332; 10/31. Jones, MS)
- 6020 1031 R. Victoria, SS, ID, pop mx, ("Bésame mucho" [Which if my Spanish serves me correctly, means "Kiss me a lot"]) (443; 10/25. Jones, MS) (333; 10/20. Zilmer, WI)
- 6082 0838 N. Nacional, SS, LAm mx, ID, OM DJ, steps on mx a lot (544; 11/5. Thompson, CA) (0938, EE ammts, "This is the National Radio of Perú -- This is music of Perú" first time I have heard any EE on this station [433; 10/17. Jones, MS]) (353; 10/20. Forsman, CA) (322; 10/20. Zilmer, WI) (MS)
- 6175 1027 R. Tawantinsuyo, SS, Long series of ads, ID, Peruvian mx; (242; 11/6. Jones, 6195 1022 R. Cusco, SS, ID, TC, Peruvian mx; (242; 11/8. Jones, MS)

VENEZUELA

- 3395 1012 R. Universidad, SS, mx, tlk, by OM (343; 9/26. Forsman, CA) (222; 10/14. Getzel, NY)
- 4770 0134 R. Bolívar, SS, LAm pop, EE rock mx, IDs, ads, jingles, (232; 11/7 Thompson, CA) (433; 10/31. Famularo, NJ) (343; 10/21. Ireland, TN) (333; 10/22. Tannenwald, NY) (444; 10/16. Osterman, OH)
- 4780 0300\* LV de Carabobo, SS, LAm mx, 0257 s/off ammts, ID, choral NA, 0300\* (333; 10/30 Hoffman, PA)
- 4800 0328 R. Lara, SS, vocal by OM + other mx, ID 0335, RTTY got severe @0340 so tuned off 0342 (433; 10/15. Earhart, PA) (333; 10/22. Tannenwald, NY)
- 4840t 0430 R. Valera, SS, ads, tlk, LAm mx, (342; 10/20. Howell, CA)
- 4860 0245 R. Maracaibo, SS, om, ID @0304, MOR mx; (333; 10/14. Ireland, TN) (333; 10/22 Tannenwald, NY) (0500, almost Peruvian sounding ballads, tlk between songs [Note, this is presumed station] 0504 that hrd 'Maracaibo' mentioned along with Venezuela, then psbl ID, 0506 end of px and 0509\*, no s/off ammts or ID's, just seemed to pull the plug. poor sig (222; 10/9. Trautschold, WI)
- 4900 0315 R. Juventud, SS, mx px, including instrumental mx, soul mx; off air @0400, (343; 11/7. Hagen, IL) (434; 11/7. Trueblood, WI)

VENEZUELA (continued)

4940 0443 R. Yaracuy, SS, LAM mx, ID @0446 (433; 10/20. Howell, CA)(343/321; 10/21. (Earhart, PA)(333; 10/22. Tannenwald, NY)  
 4970 0015 R. Rumbos, SS, "Beisbol" game?? Play by play (544; 10/25. Hrivnak, IL)  
 4980 0110 Ecos del Torbes, SS, OM w/ ads, LAM pop mx; (534; 11/7. Thompson, CA)  
 (444; 10/29. Thompson, NM)(322;11/3. McCurley, MD)(454; 10/20.Forsman, CA)(555; 10/16. Hrivnak, IL)  
 4990 0100 R. Barquisimeto, SS, tlks, play-by-play again of some game (454; 11/7. Thompson, NM)(434; 10/31.McCurley, MD)  
 5030 0339 R. Reloj Continente, SS, LAM mx, ID as "Continente" (323; 11/4. Stein,NJ) ([Juan Gabriel mx: "Adiós, Amor"]343; 10/11. Esquivel, CA)(353; 10/5. Forsman, CA)(322;10/21.Zink, CA)(353; 10/15. Earhart, PA)  
 5040 0240 R. Maturín, SS, campesino mx, 0302 full ID: "...Esta es Radio Maturín,... la música primera..." Very poor signal; ID's hard to pull out 'till 0302 one. Cinco normally here at this time (232; 0302; 10/31. Trautschold, WI)  
 6120 0957 R. Angostura, SS ID by OM, lots of sound effects (343;11/11. Lobdell, MA)  
 6170 1004 R. Nacional, SS, Calls, fqys, nx, \*1000. (443; 10/31. Jones, MS)

NORTH AND CENTRAL AMERICAANTIGUA

9510 0500 BBC, EE, BBC World Svce, foll. by "24 Hours" (444; 11/8. Smith, CA)  
 9545 0030 DW, SS, mx, OM w/ ID, fqys, tlk (333; 10/26. Naylor, CA)  
 17830 2000 BBC, EE, s/on, nx, review of selected items; (555; 11/7. Schnell, SC)

BELIZE

3285 0200 EE/SS tlk w/ ID, pop mx, "It's a Heartache" (322; 10/15. Webster, AL)  
 (1149; tlk on insect control, 422; 10/17. Jones, MS)

CANADA

5960 0215 RCI, EE, DXDigest; (444; 11/6. Zelasko, IN)(555; 11/5. Cereghin, MD)(444; 10/23. Blaize, LA)  
 5990 1000 BBC, 1000-1230 EE, World Svce, now back here, ex. 9510 (11/5. Wood, NH) NJ  
 6005 1901 CFCX, EE, nx, CFCX ID @1909; (343; 11/11. Dobbins, MD)(423; 10/16. Famularo, 6065 1400 NS, EE, Sunday morning px, very poor (222; 10/22. Hoffman, PA)  
 6070 0906 CFRX, EE, Ontario wx, sx, perpetual howl usually covers (322;10-13.Jones,MS)  
 6080 0701 CKFX, EE, C&W mx, ID's as "CKWX" (233; 10/4. Forsman, CA)  
 6130 2024 CHNX, EE, tlk by DJ w/ weather report, fairly regular now (333; 10/8. Webster, AL)  
 9535 0357 RCI, FF, mx, ID @0355, chimes, (545; 10/27. Forbes, TX)  
 9755 0300 RCI, EE, U.S. dollar falls against yen; "Mailbag" in spite of strike (434; 10/30. Oakley, CA)  
 11720 1600 NS, EE, world nx, Sunday morning @1606, Arts world; (444; 11/5. Fisher,MA)  
 11845 0220 RCI, EE, mx,nx, \*0225, SS to SAm; (545; 10/2. Oakley, CA)  
 11935 1545 RCI, EE, nx,sx, to Europe; (354; 10/28. Worrel, ND)  
 11940 0110 RCI, EE, nx,sx; (555; 11/7. Mappin, WA)  
 15260 1900 RCI, African Svce; nx, DXDigest, Blew it again. DXD #1 was cut and DXD #2 came on instead (544; 10/22. Webster, AL)  
 17750 1810 RCI, EE, Canadian Grand Prix, (444; 10/8. Blom, NY)  
 17820 1630 RCI, EE, nx; (433; 10/8. Blom, NY)(545; 11/5. Curtis, TN)  
 17830 1645 BBC, presumed via Sackville, noted here as of 11/5 @1645, instead of 17840; less QRM here, //11775 (Hauser, TN)

CUBA

9525 \*0626 R. Havana Cuba, EE, nx, editorial, (534; 11/12. Piszczek, NY)  
 11760 0507 RHC, EE, OM/YL alternating nx reports, (444; 10/15. Smith, CA)(333; 11/7. Cereghin, MD)(1500, 444; 10/22. Blaize, LA)(0221; 544;11/6.Curtis, TN)  
 11865 0405 RHC, SS, continuous tlk on the Youth Festival, new freq; (343; 10/11. Esquivel, CA)  
 11930 0107 RHC, EE, nx, (555; 11/7. Mappin, WA)(444; 10/22. Zelasko, IN)(343; 8/6. Cereghin, MD)  
 15230 0330 RHC, SS, mx; (444; 10/26; Palafox, ND)(0407322; 10/27. Cucura, PA)(252;11/9 Smith, CA)

COSTA RICA

4832 0610 R. Reloj, ID as "R. Periódico Reloj", nx px frequent mentions of Nicaragua and Somoza; OM said to listen for the next edition and mx followed @0618 @0635 I heard an SSB sig off fq (up about 2 kHz). I tuned in to hear two OM's in EE, one said "OK, I'll send them all over" and an RTTY sig started up -- wiping out R. Reloj. I have had RTTY before but never heard the SSB. (Probably two com officers discussing what traffic was coming in over the RTTY. Ed.)(453; 11/9. Brown, IL)

COSTA RICA (continued)

R. Reloj, continued

- (433; 10/25. Hrivnak, IL)
- 5055 0100 TIFC, Faro del Caribe, SS, YL rel. px, "How Long has it Been?" song, more rel. tlc (333; 11/7. Thompson, CA)(343; 10/29. Earhart, PA)(222; 11/2. Hodson, MN)(333; 2344; 10/16. Zilmer, WI)(333; 11/3. Pecenka, IN)(0320; 433; 10/26. Maghakian, NY)([5053.7m fq.] 243; 0201, 10/31. Trautschold, WI)(433; 10/27. Peck, NY)
- 5960 1133 R. Casino, SS, TC, ID: "--La hora exacta en Radio Casino--" ads, move from 5955 to get away from VOA, Centauros, and Nicaragua [Jack's assumption] (333; 11/1. Jones, MS)
- 6098 0440 R. Universidad, SS, counting the votes from Costa Rican elections (343; 10/14. Esquivel, CA)([moved up a few kHz, het w/ Su Pantera 6105] 323; 10/14. Jones, MS)
- 9645 0358 Faro del Caribe, EE, gave fqs, times, NA, s/off (322; 11/8. Ashabranner, AR) ([EE @0203, SS @1100] 433; 10/21. Zilmer, WI)(322; 11/6. Trueblood, WI) (343; 11/1. Tacoma, CA)

DOMINICAN REPUBLIC

- 5967 0230 RTV Dominicana, SS, ID, foll. by Argentinian mx; (242; 9/29. Esquivel, CA) (5970; 544; 10/28. S. Webster)(333; 10/26. Jones, MS; in second report Jack notes that some days on 5975, others on 5970 -- anyone for 5967??)
- 9505 2040 RTV Dominicana, EE, to 2045, to SS, rel. px; (232; 11/12. Cereghin, MD)
- 15300 0000 R. Comercial, SS, calls, QRM'd by RNederland @0000 (444; 10/7. Pettit, IA)

GREENLAND

- 5980 1011 Grönlands Radio, IS on celeste, 1014 YL tlc, ID @1015, OM tlc w/ poss. nx, mx, gone by 1030 (232; 10/7. S. Webster)

GRENADA

- 15105 2112 R. Grenada, EE, px of pop, Latin, & rock mx, ads, dedications, ID @2118 (333; 10/23. Donly, SC)

GUATEMALA

- 2390 1105 La Voz de Atitlán, SS, mx, OM tlc, TENTATIVE due to no ID (443; 10/17. S. Webster)(0015, 242; 11/2. Donly, SC)([0342\*] 322; 11/8. Hoffman, PA) (222; 10/22. Trueblood, WI)
- 3300 0245 R. Cultural, SS/EE, tlks, orch mx, Guitar mx, IDs in SS/EE, "Back to the Bible" px, message from the Bible (444; 11/2. Thompson, NM)(343; 10/23. Osterman, OH)(233; 11/8. Forsman, CA)(322; 10/28 [0405] Zink, CA)(0120; 222; 10/30. Hodson, MN)(333; 10/29. Blaize, LA)(433; 10/21. Tacoma, CA)
- 3325 0340 R. Maya de Barillas, Indian, guitar mx, many IDs, vocals, tlc in Indian lang: (343; 11/8. Thompson, NM)([Indian, into SS @1021] 333; 10/15. ([ID: "Esta es R. Maya, transmite desde Barillas."] 444; 10/19. Jones, MS)
- 6180 2320 LV de Guatemala, SS, LA, Am. pop mx, tlc, (333; 11/2. Donly, SC)
- 3360 1101 LV de Nahualá, SS, xylophone, ID, into "Los Campesinos Madrugadores" (rural early birds) px; (232; 11/2. Lobdell, MA)(0329; 343; 10/25. S. Webster)
- 3380 0215 R. Chortis Jocotán, SS, vocals, mx, (333; 11/8. Thompson, NM)(444; 10/21. Jones, MS)
- 4825 0237 R. Mam, SS, marimbas, flute solo, tlks, ID @0248, 0303\* (311; 11/12. Lobdell, MA)
- 6180 0200 LV de Guatemala, SS, ID, descriptions of Guatemala, (232; 9/29. Esquivel, CA)

HAITI

- 6155 1048 R. Citadelle/Nationale, FF, pop tunes, instrumental mx, FF ID "La Citadelle" @1120; (333; 11/12. Lobdell, MA)([Continuous Christmas pop songs in FF from 0945± ("I Saw Mama Kissing Santa Claus" etc., ending w/ "Adeste Fideles" @1007); ID: "Bonjour, R. Citadelle présente" into tlc (Creole). Heard nothing about R. Nationale but due to hvy fade/het could have missed] 322; 11/6. Jones, MS)
- 9770 1130 4VEH, EE, pel px, "Haven of Rest" (433; 10/20. Hrivnak, IL)
- 11835 2150 4VEH, SS, instrumental mx, ID/TC @2200, (343; 11/2. Thompson, CA)(323; 11/12 Ewing, IL)(444; 11/5. Webster, AL)

HONDURAS

- 4780 1042 R. Juticalpa, SS OM telling listeners to get up, ads for milk (433; 10/21. Lobdell, MA)(ranchera mx, 443; 10/21. Jones, MS)(222; 10/24. Forbes, TX)
- 4820 0405 La Voz Evangélica, EE, ID, easy listening mx (444; 10/10. Cucura, PA) (433; 10/14. Dobbins, MD)([Nightsounds px, mellow ancr/mx talking about Christianity] 454; 10/20. Brown, IL)([IS: "A Mighty Fortress is our God"] 544; 10/12. Hrivnak, IL)(242; 10/11. Pecenka, IN)(444; 10/9. Trautschold, WI)(0330; 10/13. Mellinger, NJ)
- 4920 0045 R. Progreso, SS, vocal/guitar mx, tlks, ID's (333; 10/29. Thompson, NM)

MEXICO

- 2390 0049 R. Huayacocotla, SS, guitar/flute mx, "Atencion (3x), R. Huayacocotla presente la programa de \_\_\_\_\_" (422; 10/15. S. Webster)

MEXICO (continued)

- 2390 0200 R. Huayacocotla, SS, ID, tlks, 0215\* (444; 10/21. Thompson, NM)
- 5985 0000 R. Mexico, SS, EE ID #0017, mx, tlk, calls, fqys, (---;---; Zilmer, WI)
- 6115 2145 R. Univ. de Sonora, SS, one hour of class. mx, w/ ID's and SS ancmts, (454; 11/2. Thompson, NM)(534; 11/9. Thompson, CA)
- 6165 1059 LV de la América Latina, SS, ID, calls, fqys ancd for many stations (333; 10/24. Zilmer, WI)
- 15160 0400 XEWW, SS, now on after earlier 0300\*, overmodulated, sx, stomach powder ads, thru VOA #0400 (10/27. Wood, NH)
- 15385 0100 R. México, SS, Maravillas de Mexico (444; 10/23. Palafox, ND)([EE #0000, poor accent & modulation] 11/3. Wood, NH)(444; 10/16. Osterman, OH)([Px: "El Mundo de los Espectáculos"] 454; 10/22. Esquivel, CA)(333; 10/4. Hodsdon, MN)(454; 11/3. [2243] Yohana, NJ)(0245; 443; 10/27. Peck, NY)

NICARAGUA

- 5945 0000 Radiodiffusion Nacional de Nicaragua, SS, nx from Managua, (333; 10/15. Blom, NY)([Somoza communique #3] ---; 10/1. Smith, FL)(433; 10/21. 1030; Tannenwald, NY)([Tons of ID w/ fqys and power] 444; 10/5. Forsman, CA)(544; 0700; 10/16. Link, CA)(0559; 222; 11/12. Cereghin, MD)(0435; 444; 11/11. Piszczek, NY)([Recording of Somoza promising welfare reforms to the people to shouts of 'Viva Somoza' and chanting 'So-mo-za'. Sounded kind-of canned] 545; 10/15. Brown, IL)(\*0606, 545; 11/11. Webster, AL)([Mention of new xmitters for SW] 343; 10/8. Esquivel, CA)(0320; 443; 10/24. Monjure, LA)(0517, 554, 10/13. Hook, FL)(0430; 333; 11/4. Fisher, MA)(444; 10/10. Getzel, NY)(433; 10/14. Earhart, PA)(0730; 444; 10/24. Kegel, MD)(0050; 544; 10/27. Peters, KY)(0000; 444; 11/4. Yohana, NJ)(0145; 0200\*, 323; 10/31. Oakley, CA)(0050; 544; 2/10. S. Webster

TWENTY ONE REPORTS OF NICARAGUA THIS MONTH -- WITH THE DEADLINE FOR SOMOZA'S RESIGNATION PASSING YESTERDAY (11/21) THERE SHOULD BE SOME HOT TIMES IN MANAGUA THIS MONTH. ED.

UNITED STATES OF AMERICA (partial listing because of space limitations)

- 2150 0455 Pirate Radio '215', EE, played 1950's mx, pop mx, OM ID #0503, "This is Radio 215 (555; 10/15. Howell, CA)
- 6220 \*0457 Voice of the Voyager, ID, 0500 EE w/ ID, reactivated by request of ancr. now in Army who was home on leave. Px included reenactment of the bust on 8/29. Gave "4306 Adair Avenue, North, Minneapolis, MN 55422" as address to which to send reports, 0620\*. Said this was last BC for some time (333; 11/5. Lobdell, MA)(232; 0505-0621\* Kavalesky, OR)(343; 11/5. Snyder, NY)(323; 11/5. Novello, NY)(232; 11/5. Peck, NY)([Anonymous call tipped me that VOV would be back on air 11/5 for a 'final tribute'. Usual px, three loop numbers.] \*0455; 11/5. Hauser, TN)

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SOME ITEMS FROM SWEDEN CALLING DXERS ##1503 & 1504

CUBA - (1503) - Here are some details of Radio Havana Cuba's Sixteenth Contest. Among the prizes are five all-expense paid trips to Cuba. Participants (must) answer the question: What is the Non-Aligned Countries movement, and what are the common aspirations which unite the non-aligned countries? For more details: Radio Havana Cuba, P.O. Box 7026, Havana, Cuba (Dr. Johann Weidlein, W. Germany)

COLOMBIA - (1504) - To explain the confusion in DX-B 1498 about Radio Nueva Granada and a possible name change to Radio Suceso: Radio Nueva Granada is the main station of the Radio Cadena Nacional network, which carries a news bulletin called Radio Sucesos. This bulletin is also carried by La Voz del Huila on 6150 kHz. Radio Nueva Granada rarely uses the slogan, but instead identifies with its call letters, HJKJ, and often repeats that it is the main station of RCN, Frequency, 6160 kHz. (William Heath, KY, USA. Jose Mauricio Rangel Neira, Colombia)

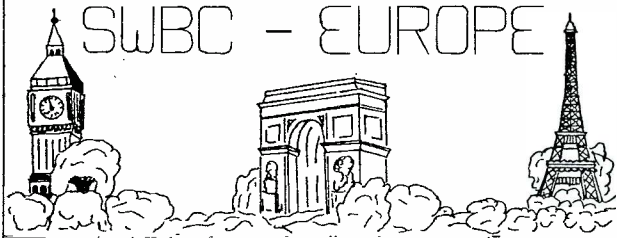
CLUB NEWS - (1504) - (Not entirely germane to WH, but it caught my fancy. Ed.) The organization of German-language DX clubs, the AGDX, is offering a "Golden Violet" (Goldenes Stiefmütterchen) award to the worst radio station. DXers are invited to write in with nominations, but the organization wishes to underline that the award will be given to the station judged worst in all merits, and not merely because of the quality of its DX program. Write to: AGDX, Box 110405, D-2800 Bremen 11, West Germany. (I am sure that several contenders for this award broadcast from the Western Hemisphere. Ed.)

Just a short introduction -- I have lived in New York City for the past 10 years or so, in Manhattan, Queens, and the Bronx. My equipment currently is a Grundig Satellit 2000 receiver with whip antenna. I have other equipment stored with Chris.

AGAIN, BE REMINDED THAT LOGGINGS NEXT MONTH GO TO CHRIS HANSEN AT: 2825 WEBB AVENUE, BRONX, NY 10468. 73's -- Malcolm



# SWBC - EUROPE



EDITOR  
 TIM MCCURDY  
 EDITOR FOR JANUARY ONLY:  
 JIM MAYER  
 1139 La Senda Drive  
 Fullerton CA 92635  
 Deadline: 15th  
 Times and Dates: GMT  
 Frequencies: kHz

## ALBANIA

5057 0520 G.jirostra; Albanian giving instructions while mx is playing (343 10/27 Brown-IL)(444 10/30 Maghakian-NY)(Peck-NY)(Earhart-PA)  
 6200 0330 R. Tirana; EE ID by yl wld mx (544 10/22 Donly-SC)  
 7300 0335 R. Tirana; EE ID anti-USSR tx (433 10/18 Forbes-TX)(Tacoma-CA)(Hrivnak-IL)  
 9500 0645 R. Tirana; EE tx about revolutionists etc (433 11/4 Brown-IL)  
 9750 0000 R. Tirana; EE mx cnt mx (433 10/25 Zilmer-WI)  
 11845 2028\* R. Tirana; AA s-off under Sweden (10/22 Wood-NH)  
 11985 0700 R. Tirana; EE tx on People's revolution (332 10/9 Smith-FL)

## ANDORRA

6215 2145 R. Andorra; DD EE & SS pop mx (11/7 Wood-NH)

## AUSTRIA

5945<sup>inf</sup>\*0430 ORF; EE IS ID mx (423 11/2 Smith-MA)  
 6000 2129 ORF; GG ID in EE mx prgm (233 10/27 Stickle-NY)  
 6155 0140 ORF; EE tx about various subjects (444 10/22 Earhart-PA)(Forbes-TX) (Boerat-FL)  
 9770 0131 ORF; EE mx clear ID by yl classical mx tx on sx (432 10/17 Mayer-CA) t 20 Jim Mayer will be doing the January Europe column. See the end of the column for more details. ed  
 21530 1250 ORF; EE om ID mx "Austria Calling" (433 10/15 Hodson-MN)(Zilmer-WI) (Meilinger-NJ)  
 21715 1230 ORF; EE mx cnt // 21530 (333 10/28 Zilmer-WI)

## BELGIUM

6080 0032 BRT; EE mx to 0045 then mentions of letters (433 10/13 Earhart-PA)(Blom-NY) (Plensczek-NY)(Yajko-PA)(Stone-ONT)  
 11800 0600 BRT; DD mx (11/6 Wood-NH)  
 17740 1752\* BRT; EE DX Corner (444 8/8 Blom-NY)  
 21460 1610 BRT; FF jazz mx with comments by tyl (333 10/14 Earhart-PA)

## BULGARIA

7670 2220 R. Sofia; Italian political tx (10/28 Wood-NH)  
 9705 0000 R. Sofia; EE mx cnt (232 10/12 Garfield-MA)(Earhart-PA)  
 11720 1620 R. Sofia; TT/Italian tx and Bulgarian folk mx (333 10/11 Peck-NY)  
 11750 2155 R. Sofia; EE om/yl tx on nature mx ID's (433 10/10 Hodson-MN)(Stone-ONT)  
 11850<sup>inf</sup> 2150 R. Sofia; EE om/yl w/ tx (444 10/24 Earhart-PA)(Zilmer-WI)  
 17825 \*1830 R. Sofia; EE s-on to Africa mx severe QRM de RCI (311 10/8 Blom-NY)

## CZECHOSLOVAKIA

5945 0130 R. Prague; EE tx on neutron bomb contest winners announced (444 10/16 Blom-NY) What??? Was the contest to see who could build the biggest bomb? Did the winners of the contest get to conquer the world? ed  
 7345 0120 R. Prague; EE commentary (444 11/8 Garfield-MA)(Hrivnak-IL)(Bonner-OH) t 10  
 11990 0105 R. Prague; EE mx on Camp David and Middle East (444 10/17 Mayer-CA)(Blom-NY)  
 15110 1530 R. Prague; EE Afro-Asian transmission (444 ?? Blom-NY)

## DENMARK

15165 1712 R. Denmark; Danish mx or commentary sign-off 1720 (343 10/23 Donly-SC) (Yajko-PA)(Blom-NY)

## FINLAND

9565 \*2330 R. Finland; EE IS ID "International Letterbox Prgm" (433 11/4 Link-CA)  
 9575 \*2127 R. Finland; EE IS s-on mx by om (343 10/20 Donly-SC)  
 9585 1930 R. Finland; EE mx "Finland at its Sunday Best" // 6120 (322 11/5 Zilmer-WI)  
 11800 2330 R. Finland; EE prgm to NA //9565 (11/5 Wood-NH)  
 11910 2130 R. Finland; EE mx to SA // 9585 (322 11/5 Zilmer-WI)  
 15105 1300 R. Finland; EE om ID's IS freq's mx (333 10/15 Hodson-MN)(Earhart-PA)(Peck)  
 15210 1430 R. Finland; EE mx wx magazine (434 10/14 Schnell-SC)(Zilmer-WI)(Prath-FL)

FRANCE

11845 1800 RFI; FF tx by om no mx (232 10/29 Maghakian-NY)  
 15135 \*0400 RFI; FF s-on mx // 11730, 11780 (10/26 Wood-NH)(Donly-SC)(Smith-FL)  
 15210 1705 RFI; EE "PCA" prgm (422 11/6 Thompson-CA)  
 15300 1710 RFI; EE om ID "PCA" requested mx (222 10/22 Hodson-MN)  
 15440 1345 RFI; FF om/yl w/tx and mx (434 10/13 Oakley-CA)  
 17580 1800 RFI; EE ID mx (333 10/24 Zink-CA)  
 17720 1730 RFI; EE letters from Africa (422 10/8 Blom-NY)  
 17860 1705 RFI; EE "PCA" (444 10/8 Blom-NY)  
 21580 1715 RFI; EE y/om reading mx "PCA" (554 11/8 Carrier-FL)(Wheeler-KS)(Smith-FL)  
 21595<sup>af</sup> 1200 RFI; FF mx tx mx // 21580 (444 11/5 Zilmer-WI)  
 21629 1730 RFI; EE tx on contest address given (443 10/14 Mayer-CA)(Blom-NY)(Stone-ON)  
 21675 1715 RFI; EE reading of mx "PCA" (454 10/28 Carrier-FL)(Blom-NY)  
 25620 1325 RFI; FF classical mx (443 10/21 Famularo-NJ)(Maghakian-NY)

GERMANY (FED REP)DEUTSCHE WELLE

11785 \*0600 GG; om/yl ID om mx (444 10/19 Smith-CA)  
 21600 1715 EE; mx (443 11/4 Zilmer-WI)

RADIO FREE EUROPE/RADIO LIBERTY

15215 1425 RFE; Romanian US rock and pop mx (333 10/8 Prath-FL)  
 17865 1420 RFE; Hungarian hard rock mx om DJ (443 10/15 Prath-FL)

SUDWESTFUNK

7265 0000 GG; mx by om ID prgm of good Cafe type mx (333 11/2 Donly-SC)

GERMANY (DEM. REP)

6040 2315 RFI; PP IS wld mx (433 10/15 Blom-NY)  
 9730 0110 RFI; EE mx on aa International Court (433 10/17 Mayer-CA)(Brown-IL)  
 11805 0330 RFI; EE S-on IS mx new freq? (232 11/9 Barry-CA)(Famularo-NJ)  
 15130 1430 RFI; EE om/yl ID sx (222 10/3 Hodson-MN)  
 21540 1405 RFI; ID mx (222 10/3 Hodson-MN)(Yajko-PA)

GREECE

6140 \*2100 VOG; Greek anthem mx (10/28 Wood-NH)  
 9760 0105 VOG; Greek folk mx yl amcr (444 10/2 Stone-ONT)  
 11730 0215 VOG; EE mx by yl (444 10/14 Boerst-FL)(Hrivnak-IL)(Stone-ONT)(Smith-FL)  
 (Oakley-CA)(Franzis-CT)(Carrier-FL)(Garfield-MA) t 10

HUNGARY

11910 0225 R. Budapest; EE tx on Hungary IS off 0230 (545 10/11 Worrel-ND)(Zink-CA)  
 (Leeman-RI)(Oakley-CA)(Earhart-PA)  
 15225 0305 R. Budapest; EE recordings of sanctions against South Africa at UN (444  
 10/8 Stone-ONT)(Pettit-IO)

ICELAND

12175 1210 ISBS; Icelandic om/yl with mx to 1215 then Icelandic mx w/ DJ (322 10/31  
 Smith-MA)

ITALY

6010 0100 RAI; EE tx on labor problems in Italy (333 11/6 Blom-NY)  
 9575 \*1935 RAI; EE orchestra mx (222 11/5 NO NAME)(Hrivnak-IL)(Link-CA)  
 9710 1205 RAI; EE tx on stability on Italian government (311 11/5 Blom-NY)  
 11810 0115 RAI; EE mx ID freq's (555 10/16 Worrel-ND)(Stone-ONT)(Ireland-TN)  
 11905 0340 RAI; Italian opera mx folk mx (434 10/15 Oakley-CA)

LUXEMBOURG

6090 0030 R. Luxembourg; EE modern pop mx (333 10/13 Fraser-MA)(Piszczeck-NY)  
 (Brodsky-NY) t 6  
 15350 2300 R. Luxembourg; FF American & UK pop mx frequent phone-ins from within  
 France (454 10/15 Novello-NY)

MONACO

9610 1100\* TWR; EE to Europe (10/20 Wood-NH)

NETHERLANDS

17700 1830 R. Nederland; EE mx (252 10/9 Proom-GB)(Blom-NY)

NORWAY

9550 2200 R. Norway; EE relationship of UN soldiers and PLO (422 11/5 Blom-NY)

NORWAY cont

9590 \*1800 R. Norway; Norweig/EE IS ID announcements (222 11/5 Blom-NY)  
 9645 2200 R. Norway; EE tx on Norway's relationship with the Soviet Union (444 11/5 Blom-NY)(Tacoma-CA)  
 11850 0700 R. Norway; Norweig/EE nx and features (555 10/8 Proom-GB)  
 11860 0225 R. Norway; NN yl ID in EE (322 10/7 Zink-CA)  
 11895 1800 R. Norway; EE "Norway This Week" (332 6/5 Blom-NY)  
 11935 \*1700 R. Norway; NN/EE IS s-on QRM from Bucharest (322 11/6 Blom-NY)  
 15175 2058 R. Norway; IS ID freq's tx accordian mx (444 10/21 Thompson-NM)  
 15345 2010 R. Norway; EE story about moose loose in a small city (444 10/15 Blom-NY)  
 17775 1800 R. Norway; EE "This Week in Norway" (222 10/8 Blom-NY)  
 17795 1605 R. Norway; EE tx about Volvo moving to Norway (444 10/15 Blom-NY)(Peck-NY) (Peckenka-IN)  
 17840 1400 R. Norway; EE "Norway This Week" mx & views (333 11/5 Zilmer-WI)(Fraser-MA)  
 21730 1212 R. Norway; EE political tx about Norway (344 10/29 Yajko-PA)(Blom-NY)

POLAND

6095 0304 Polskie Radio; EE tx about John Paul II coverage of Polish Mass (333 10/22 Donly-SC)(\*2200 10/22 Wood-NH)  
 6135 \*2130 Polskie Radio; FF? Piano IS ID tx by yl/om (222 10/31 Peck-NY)  
 6185 2000 Polskie Radio; Polish mx in SSB // 6155 (10/27 Wood-NH)  
 7270 0215 Polskie Radio; EE tx on Polish history sked and address (433 10/18 Famul-aro-NJ)  
 9525 0200 Polskie Radio; EE commentary on disarmament folk mx (342 10/17 Novello-NY) (Worrel-ND)  
 11825 0200 Polskie Radio; EE IS ID NA (324 11/2 Smith-MA)  
 15120 0226 Polskie Radio; EE ID address into Polish (443 11/4 Jones-MS)

PORTUGAL

## R. Potrugal

6025 0100 PP; IS s-on NA (444 10/15 Blom-NY)  
 11935 0300 EE; mx emty (544 11/2 Balawin-NC)(Pettit-IO)(Hensley-TX)(Thompson-NM) (Zink-CA)(Bonner-OH)(Peckenka-IN)(Earhart-PA)  
 15340 1806 PP; tx by om folk mx (333 10/29 Maghakian-NY)  
 21495 1330 PP; NA ID folk mx nx at 1334 (454 10/14 Maghakian-NY)  
 21700 1904 PP; om announcing soccer match (343 10/31 Famulare-NJ)

## R. Japan/AWR Relays

9670 0630 AWR; EE request for everyones reports address ruined by VOA (212 9/17 Fisher-MA)  
 11825 2210 NHK; EE/JJ IS ID nx in EE/JJ (222 10/15 Link-CA)(Smith-FL)

ROMANIA

9570 0150 R. Bucharest; EE tx about writers and orchestras (443 10/15 Earhart-PA) (Worrel-ND)(Ireland-TN)  
 9690 2124 R. Bucharest; EE TC freq's IS heavy QRM (322 10/15 Yajko-PA)  
 11705 0400 R. Bucharest; EE IS ID nx on harvest Day and their president (222 10/30 Peck-NY)  
 11940 0140 R. Bucharest; EE mx (332 10/22 Earhart-PA)(Trueblood-WI)(Mellinger-NJ)t 10

SPAIN

9360 2330 SFR; SS sx prga (555 11/1 Garfield-MA)(Link-CA)  
 9505 2122 SFR; EE sx mx (333 10/15 Yajko-PA)  
 9630 0130 SFR; EE nx DX prga for amateur operators and DX-ers (533 10/16 Link-CA) (Franzic-CT)(Brodsky-NY)(Blom-NY)(Hrivnak-IL)  
 11840 2135 SFR; EE om/yl nx ID (222 10/12 Hodson-MN)  
 11880 0100 SFR; EE "Spain Today" tx of a meeting of writers in Madrid (444 10/17 Mayer-CA)(Brodsky-NY)(Oakley-CA)(Wood-NH)(Leeman-RI)(Boaner-OH)(Stone-ONT) (Zelasko-IN)(Curtis-TN)(Gereghin-MD)  
 15185 1720 SFR; SS futbol (10/24 Wood-NH)

SWEDEN

9690 2300 R. Sweden; EE "mailbag" on 11/6 they were on 9695 and not 9690 (433 11/5 Zilmer-WI)  
 9695 \*0230 R. Sweden; EE "Saturday Show" (444 10/15 Snyder-NY)(Woltman-WI)(Zink-CA)  
 11705 2130 R. Sweden; EE om tx on tennis piano mx (444 11/5 Kemp-Blair)(Hrivnak-IL) (Miller-CA)(Hodson-MN)(Earhart-PA)(Chinakos-WA)(Fraser-MA)  
 11905 0050 R. Sweden; EE/SS rock mx tx about religion into SS at 0100 (434 10/8 Oakley-CA)  
 15240 \*1600 R. Sweden; EE sign-on after Yugoslavia off (333 11/11 Barry-CA)

SWEDEN cont

17790 1414 R. Sweden; EE "Panorama" cmtly on Asia and Africa (533 10/20 Thompson-CA)  
 21505 1400 n. Sweden; EE "Mailbag" // 21700 (443 11/5 Zilmer-WI)  
 21555 1349 R. Sweden; Swedish Home Service mx SSB (332 10/4 Smith-FL)  
 21700 1400 R. Sweden; EE "Mailbag" (453 11/5 Zilmer-WI)(Peck-NY)

SWITZERLAND

6045 \*0430 SRI; EE s-on (11/6 Wood-NH)  
 6135 0200 SBC; EE yl w/ polka mx (444 10/14 Ireland-TN)  
 6165 0705 SBC; EE ID nx "Dateline" (433 10/16 Cucura-PA)  
 9660 0145 SRI; EE ex-15305 intense interference of RL (11/6 Wood-NH)  
 9725 0146 SBC; EE nx on the election of the new Pope "Sunday Supplement" (443 10/15 Mayer-CA)(Famularo-NJ)(Snyder-NY)(Bonner-OH)(Earhart-PA)(Thompson-CA)  
 (Zelasko-IN)(Coleman-MA)  
 11715 0150 SRI; EE European nx (544 11/7 Garfield-MA)(Hodson-MN)(Woltman-WI)(Carrier)  
 15140 1314 SBC; EE IS yl gave freq's wld nx DX prgm (443 10/14 Carrier-FL)  
 15305 2254 SBC; SS IS sign-on nx (333 10/14 Naylor-CA)(Earhart-PA)  
 17830 1840 SBC; EE Magalana project of construction in Santiago (322 10/8 Blom-NY)  
 (Hensley-TX)  
 21545 1315 SRI; EE SSB nx (433 11/5 Zilmer-WI)  
 21570 \*1530 SBC; EE IS ID nx "Sunday Supplement" (454 10/15 Pecenka-IN)(Earhart-PA)  
 (Carrier-FL)  
 21585 1720 SBC; EE TG mx (10/15 Dolyak-FL)(Earhart-PA)(Blom-NY)  
 21630 1315 SRI; EE nx (443 11/5 Zilmer-WI)

UNITED KINGDOM

5975 0130 BBC; EE Radio Theatre (544 11/6 Garfield-MA)  
 7325 0000 BBC; EE tx on Rhodesia's raid (344 10/23 Blaize-LA)  
 9410 0400 BBC; EE nx about Sadat and Begin (434 10/30 Blaize-LA)(Curtis-TN)  
 12095 0617 BBC; EE 2 om w/ nx "motorboat static" (252 11/9 Smith-CA)  
 15070 0115 BBC; EE outlook about Britain TC wld nx review of the British press (444 11/4 Thompson-NM)(Fraser-MA)  
 17715 1744 BBC; AA mx long tx ID (444 11/1 Hensley-TX)  
 18080 1447 BBC; UNID om w/ tx (433 10/14 Naylor-CA)  
 21470 1142 BBC; EE mx om annrc (353 10/20 Earhart-PA)

UNION OF SOVIET SOCIALISTIC REPUBLICSR. Baku

4785 \*0158 Azerbadian; USSR and republic anthems ID "Danishir Baku" (10/29 Wood-NH)

R. KIEV

4940 0310 EE; UK political tx (11/7 Wood-NH)  
 7390 0325 EE; sked of EE programs (344 10/18 Forbes-TX)  
 17850 0030 EE; om gives guided tour of Ukraine (433 10/13 Brodsky-NY)

R. MOSCOW

4860 2200 EE; freq's (10/27 Wood-NH)  
 5915 0235 SS; mentions of Cuba Chile ID's (434 10/20 Blaize-LA)  
 5940 0200 EE; NA service ID nx (444 10/27 Jones-MS)(Blaize-LA)  
 7260 0715 EE; mx Moscow review (545 11/5 Chinacos-WA)  
 9450 0853 EE; mx ID nx "Moscow newsreel" (333 10/24 Smith-FL)  
 9600 0220 EE; "Moscow mailbag" (333 10/15 Snyder-NY)  
 9660 0000 EE; mx cmtly "Music at Your Request" (443 10/17 Fraser-MA)  
 9810 2122 EE; comtly about Zionist controlled Egypt (322 10/19 Getzel-NY) I've heard everything now Art. ed  
 11730 0245 EE; Soviet commentary (433 10/23 Blaize-LA)  
 11750 0041 EE; yl w/ tx about farmers (433 10/13 Brodsky-NY)  
 11790 1145 EE; nx facts and figures (433 11/2 Zilmer-WI)  
 11810 0700 EE; mx om ID nx (232 11/9 Smith-CA)  
 11825 0643 FF; om mx nx (353 11/5 Smith-CA)

R. STATION PEACE AND PROGRESS

6045 \*2200 UNID; IS over KIEV (11/3 Wood-NH)

R. TASHKENT

11925 0708 RR; mx VOA interference (333 11/9 Smith-CA)

R. VILNIUS

17870 2300 EE; sked nx (555 10/30 Harada-HI)  
 Vatican and Yugoslavia will be on the next page. See you there ed.



VATICAN CITY STATE

6015 0100 Vatican Radio; EE IS s-on rel nx (444 10/15 Blom-NY)(Bonner-OH)  
 9605 0100 Vatican Radio; EE tx about Pope John Paul II (434 10/17 Stroh-IL)  
 11845 0100 Vatican Radio; EE religious nx (443 11/7 Zilmer-WI)(Zelasko-IN)(Earhart-PA)  
 15120 \*1630 Vatican Radio; UNID s-on rel nx and nx (544 11/7 Thompson-CA)(Smith-FL)  
 17840 1200 Vatican Radio; EE rel nx (322 10/31 Zilmer-WI)  
 17900 1700 Vatican Radio; EE nx of foreign comments on new Pope (222 10/17 Zink-CA)  
 (Jones-MS)  
 21485 1115 Vatican Radio; EE rel nx (343 10/15 Zilmer-WI)(Wood-NH)(Earhart-PA)

YUGOSLAVIA

9620 2200 R. Yugoslavia; EE nx on the Middle East, Vietnam, and Zaire (333 10/16  
 Mayer-CA)(Garfield-MA)(Smith-MA)(Cucura-PA)(Hensley-TX)(Yajko-PA)(Hrivnak  
 Worrel-ND)  
 15240 1527 R. Yugoslavia; EE IS under Sweden (352 11/2 Barry-CA)(Kemp-Blair)

The following are from the BBCMS. They cannot be used without permission from the BBC.

ALBANIA

There is a new Portuguese transmission. It is broadcast from 2300-2400. It is carried on 9750 and 7065. Weekly output in Portuguese is now 21 hours.

The English transmission has been discontinued. It was carried from 1100-1130.

BULGARIA

Radio Sofia announced that as from 10/25, when its Winter schedule was introduced, its programs in English would be broadcast as follows;

British Isles  
 1930-2000 9700, 6070  
 2130-2200 7115, 5915

North America  
 0001-0100 9750  
 0430-0500 7115

MALTA

The broadcast entitled "Malta Calling" from 2045-2115 in German on Tuesdays and in English on Saturdays are now on 6010 which replaces 5980.

YUGOSLAVIA

Radio Beograd has invited international bids for the delivery of equipment for a short-wave transmission center. It will consist of a 500-kilowatt transmitter and an appropriate antenna system. Construction will begin next year.

And now from the schedule file: All the below are carried in English

GERMANY (DEM REP)

To Europe;  
 1930 6080, 6115, 7185, 7300, 9730  
 2215 7260

Africa;  
 0445 9500, 11960  
 1315 17755  
 1800 15145, 15170, 11875  
 2000 11810, 17730

ASIA;  
 0645 17740, 17700  
 1200 15320, 17880, 21465, 21540  
 1400 17880, 21465, 21540  
 1530 17880, 21465

North America;  
 0100 9730  
 0230 9730

SWEDEN

to North America

0030-0100 11905 1400-1430 21505, 21700  
 0230-0300 9695, 11705 2300-2330 9695, 11705

Sweden has a very good DX program on their Tuesday transmission. Tune in and see.

Well that's it for this month. I'm very disappointed in the turn out. Only 78 reporters. Jim Mayer will be doing the January column. I hope you give him a good welcome. Look at the masthead for the address. I'll see you in a couple months. 73's *JRM*

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# SWBC DX

## AFRICA



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**FEBA**  
 Seychelles

### Radio Television Kaduna

Deadline: 15th  
 Times & Dates: GMT  
 Frequencies: kHz

The first thing I would like to do this month before I forget it is to wish everyone a very Merry Christmas!!! and a Happy New Year.....Maybe Santa will bring a few new receivers with him in his many visits!!!! By the looks of things, last month was not a great month for DX'ing, a few good catches, but overall the number of loggings is down, but we'll do our best to provide you with some useful and entertaining information!!!

#### ANGOLA

4820 0405 Voice of Angola: EE interview, ID at 0412 (433 10/8 Earhart)

#### ASCENSION ISLAND

7105 0258 BBC-Atlantic Relay: EE ID, TC, World nx (444 11/3 Thompson-NM)  
 11860 0540 BBC: EE Book Review (454 11/13 Chinakos-WA)(455 10/9 0630 EE Smith-FL)(343 11/9 0635 EE Smith-CA)  
 15105 1700 BBC: EE tlks, QRM de ME station (423 10/14 Smith-CA)  
 17880 1645 BBC: EE sports review, TP,nx (444 11/4 Thompson-NM)

#### BENIN

4870 2232 ORTB: drum mx w/chants, 2259\* in FF, NA (343 10/23 Donly-SC)  
 Welcome to the SPEEDX staff Bob, and Good Luck!!!  
 (333 11/8 0548 FF Cucura-PA)(343 10/17 2203 Vern Earhart-PA)  
 (444 10/8 2230 FF Coleman-MA)(333 10/19 0520 FF Mayer-CA)  
 (343 10/30 0610 Quick FF ID Trautschold-WI)

#### BOTSWANA

4845T 0705 Radio Botswana: Vern tlks, afro mx, TC, fast QSB, no ID heard (232 10/20 Thompson-CA)

#### CAMEROON

4750 0510 Radio Bertoua: Presumed station here w/FF and/or verns. afro drums heard between OM/YL tlks, very poor signal w/QRM de Ute. WRTVH 78 also lists 7165, checked and heard weak signal, possible, but don't hold me to it, by 0535 signal was impossible to hear (132 10/30 Trautschold-WI)  
 4850 2146 Radio Yaounde: FF tlks,, mx, EE nx at 2202 (333 10/11 Famularo)  
 5010 0510 Radio Garoua: EE nx in BBC format, mx, FF tlks (343 10/22 Brown-IL)(232 10/14 \*0500 FF Cook-CA)(333 10/13 2140 vern Famularo-NJ)(343 11/5 0505 Thompson-CA)  
 9745 1545 Radio Nationale: FF tlks, mx (333 11/8 Thompson-CA)(322 10/21 2200 EE/FF nx Brown-IL)(252 10/24 1633 FF Forsman-CA)

#### CHAD

4904.5 2126 RNT: FF Tlks by YL, ID by OM (333 10/11 Famularo-NJ)(322 10/14 0430 FF tlks, reception got better by 0500 Cook-CA)

#### EGYPT

6230 0240 Radio Cairo: EE tlks on Geography (353 10/18 Bonner-OH)  
 9475 0203 RC: EE w/"This Day in History" (444 10/3 Stone-ONTARIO)(544 11/5 2315 AA Miller-CA)(533 11/16 0310 EE Link-CA)(343 11/2 0200 EE Thompson-NM)(454 11/4 0245 EE Carrier-FL)(434 10/17 0320 EE/AA Oakley-CA)(343 10/16 EE Earhart-PA)  
 9805 2230 RC: EE nx of Israel-Egypt tlks (322 11/5 Blom-NY)  
 11630 0413 RC: AA chants by OM (343 10/4 Smith-FL)  
 15375 2100 RC: EE nx, commentary, mx to 2200\* (422 10/15 Zilmer-WI)  
 17670 1630 RC: AA tlk,chants, flute-like mx (333 10/22 Zilmer-WI)  
 17920 1325 RC: EE nx headlines (353 10/22 Zilmer-WI)

"SEASONS GREETINGS"

ETHIOPIA

9615 1500 Voice of Rev. Ethiopia: EE ID, tlks (222 11/5 Constantinides)

EQUATORIAL GUINEA6250 1946 Radio Malabo: SS tlks by OM, several ID's (433 10/25 Webster)  
(342 10/21 0510 SS Donly-SC)GHANA3366 2226 GBC: EE sermons, relg tlks (343 11/5 Maghakian/Peck/Bianco)  
(544 2239 EE Webster)4915 0600 GBC: EE ID's, world nx (232 10/20 Thompson-CA)(453 10/14  
0600 EE Brown-IL)(322 10/19 0610 EE Link-CA)(353 11/11 0600  
EE Hensley-TX)(333 10/30 2245 EE Biller-NJ)(333 10/17 2240  
EE Ireland-TN)(343 10/1 2150 vern Earhart-PA)

6130 2230 Radio Ghana: EE ID, relg tlks, mx, 2300\* (222 10/18 Hodson-MN)

GUINEA7215 0515 Radiodiffusion Nationale: FF political speech, ID/freqs at  
0525. Wiped out by Moscow at 0530 (333 10/29 Donly-SC)15310 2203 RN: FF ID, speech with echo sound (444 11/1 Donly-SC)(544  
10/27 2300 FF Peck-NY)(232 10/29 1650 FF Forsmen-CA)IVORY COAST4940 0615 RTVI: FF ID, tlks //7215&11920 (333 11/8 Cucura-PA) See Guinea  
freq of 7215 above...Guinea/Ivory Coast or both??wlo

11920 2037 RTVI: FF anns,mx (332 10/14 Mayer-CA)

KENYA

4934 \*0258 Voice of Kenya: drum and pipe IS, Swahili s/on (11/7 Wood-NH)

4950 1850 VOK: EE and Swahili tlks and ID's (322 11/5 Constantinides)

LIBERIA4770 2300 ELWA: EE Gospel pgm (11/4 Wood-NH)(333 10/20 2210 EE Donly)  
(454 10/28 0540 EE Brown-IL)7280 0708 VOA: FF tlks,ID, ARO QRM (443 10/16 Miller-CA)(343 11/3  
0330 EE Thompson-NM)(433 10/10 0550 EE Cucura-PA)

9700 0324 VOA: EE w/news review pgm (333 10/26 Naylor-CA)

11805 0615 VOA: FF tlks, latin mx (444 10/19 Smith-CA)

11930 0626 ELWA: IS, EE ID's, s/on in Arab-sounding lang (343 10/24  
Lobdell-MA)

15400 0445 VOA: EE interview w/mayor of Salt Lake City (353 11/9 Smith)

15455 1220 VOA: EE tlks on Andre Previn, mx (333 10/15 B. Miller-CA)  
Excuse the mixup w/Miller's. I just realized there are 2!!!LIBYA6206t 0610 SPLAJBC (MeboII): AA recitation of Koran (242 11/7 Donly-SC)  
(332 11/5 0615 AA chants Peck-NY)9500 2232 PRBS: AA tlks,mx (444 10/18 Famularo-NJ)(444 10/24 0030 AA  
Thompson-NM)MADAGASCAR11730 \*1830 Radio Nederland: EE ID, "Happy Station" pgm (433 10/29 Cucura  
PA)(444 11/5 2100 EE Blom-NY)

11740 2100 RN: EE to Africa (444 10/9 Stone-ONTARIO)

21480 1430 RN: EE to SEA, "Happy Station" (454 10/22 Carrier-FL)

21640 2030 RN: EE nx, into "DX Jukebox" // freq's are 17810,15220,11740,  
11730 all with good reception (454 10/12 Webster-CANADA)MALAWI

3380 0318 MBC: EE/vern tlks by YL mentions of Malawi (333 10/27 Webster)

MALI

5995 2320 RM: FF ID, followed by pop mx (332 10/15 Blom-NY)

11960 0845 RM: Vern tlks w/many mentions of Bamako (343 10/20 Lobdell-MA)

MAURITANIA4845 0610 R. Nationale: AA chants, anns, more mx (432 10/14 Mayer-CA)  
(433 11/8 0715 AA Cucura-PA)(222 10/20 0627 AA Thompson-CA)MOROCCO

6170 2340 RTVM: AA mx // of 6095 not heard (11/6 Wood-NH)

6190 2200 RTVM: AA nx, over Vatican Radio (11/3 Wood-NH)

15335 1030 RTVM: AA mx, chorals (433 10/18 Zilmer-WI)

15360 1030 RTVM: AA mx, chorals // 15335 (443 10/18 Zilmer-WI)

MOZAMBIQUE

3210 0300 RCM: PP nx, ID, readings of plays (10/29 Webster-CANADA)(10/24 Wood-NH)

NIGER

5020 \*0530 ORTN: NA, flute IS, FF ID "Ici Niamey" (242 11/3 Peck-NY)

NIGERIA

4990 2100 PRC-Lagos: EE World and Nigerian nx, ID (222 11/5 Fisher-MA)  
 (242 10/23 2110 EE Famularo-NJ)(332 10/27 0555 EE Brown-IL)  
 7255 \*0555 Voice of Nigeria; EE s/on, ID, nx, "Africa this Week" (423 10/15  
 Thompson-CA)(333 11/10 0628 EE Smith-CA)(433 ??? Baker-IL)  
 11770 \*0600 VON: EE s/on, ID, sked (433 11/12 Piszozek-NY)(443 10/23  
 0645 Thompson-CA)(422 10/8 0635 EE Baker-IL)  
 15120 0730 VON: EE commentary, "Retrospect" (353 10/27 Thompson-CA)

RWANDA

15410 0145 DW: GG tlks, mx gave Kigali ID (544 10/18 Worrel-ND)

SENEGAL

4890 0607 Rdif. du Senegal: FF tlks by OM (333 10/14 Mayer-CA)  
 7170 0615 RS: FF pop mx, nx at 0630, ID (433 10/11 Cook-CA)

SEYCHELLES

11860 \*1700 FEBA: IS, multi-lang ID into AA (444 11/5 Blom-NY)  
 15405nf\*0305 FEBA: IS, multi-ID into Farsi (332+ 10/17 Peck-NY)

SIERRA LEONE

5980 \*0600 SLBS: EE w/commercials for Ovaltine (333 10/18 Kegel-MD)  
 (322 10/20 0636 EE/vern Thompson-CA)(333 10/14 0558 EE s/on  
 Mayer-CA)(322 10/24 2200 EE Zilmer-WI)(333 10/20 2355 vern  
 Yohana-NJ)

SOMALIA

9585t 1940 Radio Mogadishu: Somalian tlks, mx, severe het (222 10/30  
 Peck-NY)

SOUTH AFRICA

3320 1700 Radio 5: EE ads, mx, ID's (322 11/7 Constantinides-GREECE)  
 (544 10/27 0317 EE Webster)  
 4810 0330 Springbok Radio: EE commercials, ID's (333 10/12 Cook-CA)  
 (232 10/9 0430 EE Trautschold-WI)(322 11/7 0335 EE Hensley-  
 TX)(444 10/20 0340 EE Tacoma-CA)(Merry Christmas!!!)  
 4880 1900 SABC-Afrikaans Service: Afr nx and weather(333 11/3 Constant-  
 inides-GREECE)  
 4990 0322 Radio RSA: EE tlks on theater in S. Africa (343 11/8 Forsman-  
 CA)(332 10/28 0345 EE QRM de Barquisimeto Miller-CA)  
 5980 \*0200 Radio RSA: EE nx of African disputes and wars (323 11/4 Cook-  
 CA)(423 11/2 0155 EE Smith-MA)  
 9585 0200 Radio RSA: EE nx, tlks on Ian Smith (555 10/12 Hrivnak-IL)(544  
 11/4 \*0156 EE Bonner-OH)(433 11/10 0200 EE Wong-FL)(433  
 11/2 0205 EE Smith-MA)(444 10/11 0200 EE Ireland-TN)(423  
 10/21 0800 EE Oakley-CA)(544 11/1 0245 EE Curtis-TN)(433 10/2  
 0200 EE Woltman-WI)How's the wx out there Frank????...wlo  
 9610 0230 Radio RSA: EE w/letters from around the world (434 10/23  
 Forbes-TX)(534 11/7 0200 EE Pettit-IA)  
 11900 0200 Radio RSA: EE w/African nx (344 10/11 Stone-Ont.)(545 11/1  
 0225 EE Hrivnak-IL)(444 10/28 0220 EE Smith-FL)(555 10/20  
 0228 EE Brown-IL)(444 11/6 0330 EE Link-CA)(433 11/4 0200  
 EE Carrier-FL)(453 11/5 0300 EE //9585,9610,15155 Zilmer-WI)  
 (444 10/23 0158 EE Coleman-MA)(433 10/23 0200 EE Blaize-LA)  
 (444 11/2 0210 EE Smith-MA)(444 11/5 \*2100 EE Blom-NY)  
 (434 10/10 0200 EE Oakley-CA)(444 10/22 2100 EE Woltman-WI)  
 (433+ 10/22 0200 EE Earhart-PA)  
 15155nf 2105 Radio RSA: EE w/"P.O. Box 4559" (333 10/8 Stone-ONTARIO)(555  
 11/5 0200 EE Lobdell-MA)(453 11/5 0200 EE Zilmer-WI)(555  
 11/5 0210 EE Novello-NY)  
 15220 0600 Radio RSA: EE nx, "Good Morning Africa" (353 11/5 Chinakas-WA)  
 17780 0617 Radio RSA: EE w/"Breakfast Session" (444 10/12 Leeman-RI)(332  
 10/17 0455 FF Smith-FL)(242 10/17 2100 EE Proom-G.B.)  
 21535 1405 Radio RSA: EE ID's, tlks on race problems (353 10/28 Carrier)  
 (443 10/14 \*1800 GG Snyder-NY)(22210/14 1547 ?? Naylor-CA)



SWAZILAND

3275 0257 Trans World Radio: handbell IS, FF ID, into vern tlks, mx (322 11/8 Lobdell-MA)(444 10/27 0312 vern Webster)  
4790 1720 TWR: EE rlg pgm (443 11/4 1720 EE Constantinides-GREECE)  
5055 0330 TWR: EE rlg tlks, mx (433 10/22 Ireland-TN)

TANZANIA

3339T 0308 Radio Tanzania-Zanzibar: OM tlks in Swahili, pop mx, ute QRM EE was also spoken, 0323 f/out, no ID heard (322 10/31 Webster-CANADA)  
15435 \*0400 Radio Tanzania: EE s/on, ID, nx (222 11/3 Leistner-CA)

TOGO

3222 2205 RTT-Lama-Kara: FF tlks, afro mx (10/22 Wood-NH) Merry Xmas!!!  
5047 \*0527 RTT:s/on, NA, FF ID, nx (544 10/29 Webster) &  
Happy New Year!

TUNISIA

7225 0517 RTVT: AA chants w/frequent announcements (433 10/15 Mayer-CA)  
1225T 1643 RTVT: AA vocals, nx at 1700 (433 11/6 Thompson-CA)

UGANDA

15325 \*0300 Radio Uganda: EE s/on, nx at 0310 (444 10/31 Curtis-TN)(333 11/4 0345 EE Hodson-MN)(322 11/5 \*0300 EE Leistner-CA)(544 11/7 0300 EE Pettit-IA)(333 10/29 0400 FF Wong-FL)(444 11/4 0316 EE Pamularo-NJ)(433 10/16 0328 Naylor-CA)(433 11/6 0345 EE Constantinides-GREECE)(444 10/16 0315 EE Cucura-PA) (454 11/5 0300 EE Thompson-NM)(433 10/15 0335 EE Link-CA) (552 10/15 0318 EE Brown-IL)(444 11/4 0315 EE Peters-KY) (444 10/14 0415 FF Forbes-TX)(444 10/21 0300 EE Mhunzi-CA)  
"9685" 1945 UBC: EE ID, request for reception repts (433 10/21 Yajko-PA)  
Oops! out of order.....wlo

UPPER VOLTA

4815T 2145 RTVV: FF polt tlks, heavy QRN (121 10/25 Peck-NY)

ZAIRE

11640T 2030 IVDZ: According to a report in Sweden Calling DX'ers, there is a station on this freq in a vern lang, w/afro mx, but no ID's. Interviews were heard, and time pips on the hour, but ID in ??? lang, must be domestic service (433 10/5 2030 ??? Webster-CANADA) I have also logged this several afternoons and have not been able to ID....wlo...Ideas???

UNIDENTIFIED & THE OCCULT

3350 2240 Ghana or Gabon w/rlg pgms in Lang (232 10/26 Webster)

Glenn Hauser checks in with these 10 meter harmonics from the BBC....  
30210 1615 BBC-Atlantic Relay: EE w/WS (good 11/4) 2 x 15105.....  
30520 2150 BBC-AR: EE WS (good 10/31) 2 x 15260.....  
30800 1710 BBC-AR: EE WS to Africa(11/4) 2 x 15400.....  
This is a good indicator of how the propagation conditions in general are.. The higher freqs are now beginning to be propagated and more higher freq DX should be possible in the next few years during the peak of the sunspot cycle...cf Nov. Speedx-Gram about European TV audio Reception in NAM....wlo

African Drumbeat

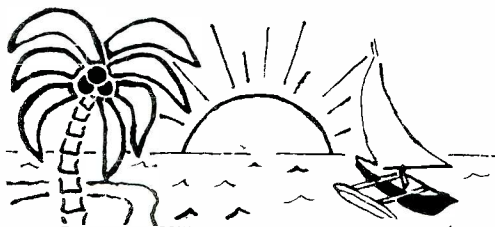
*Merry Christmas - Happy New Year Wayne*  
BBCMS Items..... SUDAN... A recent survey of Radio Omdurman's Expatriates' Broadcasting Service shows that it is on the air in Arabic from 2100-2200 On 6150,5038 and 1295khz. Voice of Arab Syria....This clandestine station which operated on 9510 & 6165 from xmtrs believed to be in Iraq, appears to have ceased operations. ALGERIA-Announcements by Radio Algiers stated that as from 10/21 its external service programs in English and Spanish would be broadcast from 2000-2030 and 2030-2100 respectively on 11740,9610 and 7145. Monitoring observations so far have revealed that both programs are in fact broadcast only on 9510kHz. ANGOLA....The Voice of Namibia pgm, presented by SWAPO through facilities provided by Radio Nacional are currently broadcast from 1630-1700 on 7245 kHz. SUDAN...again...Radio Omdurman's Domestic Service has been observed from 1530-2055 on 6150 and 5038 kHz. English is best from 1545-1600.

Well that's about it for this month....What's up out there in DX-land??? Propagation conditions seem to be improving all the time, but the number of contributors is steadily decreasing...only 61 this month... it must be that everyone is waiting for Santa to bring the new rcvrs...Hi!!! CNU in 30

# ASIA-OCEANIA

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DEADLINE: 15<sup>th</sup> of the month



Frequencies in KiloHertz Time in GMT month/day format  
 a=approximate h=harmonic m=measured t=tentative \*0000=s/on 0000\*=s/off

FREQ TIME STATION

## ASIA

### AFGHANISTAN

4775 1415 RA: EE nx, ID, OM ancr, pop mx (Link CA 10/25)(@ \*0130 Bodell OR)

### BANGLADESH

21670 1227 RB: IS, EE ID, into nx, squeeze (Lobdell MA 11/7 333)

### CHINA

3340 1310 Haerbin: CC YL w/ political tlk (Link CA 10/19 322)  
 4250 1435 Beijing 2: CC YL w/ symphony mx, CW QRM (Oakley CA 10/25 212)  
 4800 2205 Beijing 1: CC political tlk, level R. Lara (Wood NH 10/22)  
 4840 1131 Fujian Front Station 2: CC tlk by YL, // 4380, 5170 (Maghakian NY)  
 4905.5 2255 Beijing 1: CC political tlk, level Brasil, het. (Wood NH 11/3)  
 (Billar NJ)(@ 1320 Forsman CA).....  
 4915 1330 Nanning: CC mx w/ tlk in between (Forsman CA 11/4 252)(Wood NH)  
 4925 1305 Haerbin: CC YL tlk, no ID heard (Mappin WA 11/7 333)  
 4960 1125 R. Peking: JJ political cmtry (Wood NH 10/27)  
 4990 1128 Changsha: CC political tlk (Wood NH 10/27)  
 5145 1120 RP: u/lang tlk by YL/OM, mx (Maghakian NY 10/27 343)  
 5265 1131 FFS 1: CC tlk by YL, // 5240, 5900, 7850 (Maghakian NY)(Earhart PA)  
 5880 2220 RP: Cantonese w/ ID, tlk (Wood NH 10/27)  
 6000 1120 FFS 2: CC w/ traditional CC mx (Wood NH 10/27)  
 6270 2150 RP: EE tlk on Vietnam (Wood NH 11/7)  
 6320 2030 RP: FF s/on (Wood NH 10/28)  
 6345 2030 RP: PP s/on (Wood NH 10/28)  
 6655 2220 RP: CC political tlk (Wood NH 10/28)  
 6750 2225 Beijing 1: CC tlk (Wood NH 10/28)  
 6765 1123 FFS 1: CC tlk by OM (Maghakian NY 10/21 343)  
 7025 1118 FFS 2: CC w/ exotic CC mx, YL w/ shrill, heavy QRM (Famularo NJ)  
 7060 1305 RP: EE OM w/ nx, ID (Boehm TX)  
 7120 1207 RP: u/lang tlk, IS, // 9500, 9780, 14570 (Boehm TX 10/15)  
 7305 2200 V. of Malay Revolution: Malay s/on w/ band mx, cmtry, ID (Donly SC)  
 7480 2138 RP: EE w/ CC mx (Getzel NY 10/14 212)(Wood NH)  
 8195t 1035 FFS 2: CC tlk by OM, YL, QRM (Prath FL 10/21 222)  
 9020 1506 Beijing 2: CC YL/OM tlk (Dawson CA 10/21 454)  
 9064 1503 Beijing 1: CC YL/OM tlk (Dawson CA 10/21 454)(Getzel NY @ 2310)  
 9365 1040 RP: CC tlk, fast CC song, chorus, s/off, 1100 s/on (Carrier FL)  
 9380 2035 RP: Italian nx (Wood NH 10/27)  
 9390 2128 RP: SS-tlk by OM, mentions Hua (Getzel NY 10/14 222)  
 9445 2230 RP: RR s/on, "Govorit Pekin", // 9670 (Wood NH 11/2)  
 9529 1600 RP: RR s/on, nice signal @ local noon, // 9645 (Wood NH 10/22)  
 9820 1243 RP: EE tlk on Chinese flute, sample mx (Jones MS 10/15)(Naylor CA)  
 9860a 1230 RP: EE mx, tlk on China (Woltman WI 10/20 433)  
 9880 2114 RP: EE mx, YL ancr (Getzel NY 10/14 222)(Wood NH)(@ 1632 Miller CA)  
 10245 1351 Beijing 1: CC inst. mx, CW QRM "NDT" (Naylor 1024 333)  
 11040 1320 Beijing 2: CC tlk on Viet./Kampuchea, classical mx (Carrier FL 11/8)  
 11290 2220 Beijing 1: hi-powered CC mx (Famularo NJ 10/30 433)(Prath FL)  
 11330 1145 Beijing 1: CC tlk by OM, QRM (Prath FL 10/8 232)  
 11445 1205 RP: CC tlk by OM/YL (Prath FL 10/8 333)  
 11505 1215 Beijing 2: CC tlk about 6 people, possible drama (Prath FL 10/8)  
 11515 1225 RP: u/lang w/ opera type mx, YL ancr (Prath FL 10/8 332)



*Radio Peking*

CHINA (continued)

11610 0000 RP: Cantonese to Americas, // 15265 (Wood NH 11/3)  
 11685 1225 RP: EE tlk, "Listeners Letterbox" (Fraser MA 10/15)(Carrier FL)  
 11695 1255 RP: CC/ then into FF prgm (Naylor CA 10/25)(@ 0000 SS Newell BC)  
 11720 1010 RP: CC cmtry, ID, CC mx, freqs (Smith 10/10)(Link CA)  
 11945 0300 RP: SS s/on, level Madrid, // 15080 (Wood NH 10/17)  
 11985 1233 RP: SS OM w/ ID, tlk by YL, mentions Hua, etc. (Brotsky NY 10/12)  
 12055 0102 RP: EE YL nx/discussion, 0106 ID, RR QRM de 12050 (Naylor CA 11/7)  
 12110 2205 RP: FF tlk (Wood NH 10/28)  
 15030 0341 Beijing 2: CC OM tlk, RTTY QRM, faded by 0354 (Naylor CA 10/26)  
 15045 1650 RP: EE YL tlk, Hungarian violin mx (Smith CA)(Yajko PA)(Cook CA)  
 15080 0440 RP: EE YL tlk, // 15305 (Blaise LA 10/30 241)(@ 0000 Oakley CA)  
 (Hrivnak IL)(Famularo NJ)(Thompson NM)(Stone ONT)(Carrier FL).....  
 15080 0300 RP: RP: SS w/ ID "Esta es Radio Pekin.", mx, nx (Wong FL no date)  
 15095 0015 RP: CC mx, story (Stone ONT 10/19 444)(Brotsky NY)  
 15135t 0020 RP?: CC folk mx, tlk by OM, sudden 0025\* (Maghakian NY 10/17,24)  
 15220 0225 RP: EE w/ CC vocals, economic tlk, lang. lesson (Famularo NJ 10/24)  
 15270 1210 RP: EE nx, tlk on UN, QRM de VOA Tangler? (Prath FL 10/29 332)  
 15300 0300 RP: EE nx, cmtry, mx, // 17735, 15060 (Zilmer WI 10/21 333)(Smith CA)(Leistener CA)(Famularo NJ)(Blaise LA)(Wood NH).....  
 15305 0450 RP: EE YL cmtry, LP echo (Blaise LA 10/30)(SS @ 0200 Wood NH)  
 15520 0135 RP: EE tlk on Soviets in Cuba, LA (Curtis TN 10/19 544)(McCurley MD)(Stone ONT)(Naylor CA)(Smith CA)(Wong FL).....  
 15590 0103 Beijing 1: CC mx, YL ancw w/ tlk, heavy jamming (Naylor CA 10/13)  
 15600 0225 RP: EE w/ anti-Soviet cmtry (Novello NY11/5)(Maghakian NY)(Hodsdon)  
 15710 1150 RP: Taiwan svce, CC w/ local mx, tlk (Prath FL 10/15 232)  
 15790 2254 VOMR: CC tlk, martial mx (Maghakian/Bianco/Peck NY)(Naylor CA)  
 15880 0338 RP: EE OM tlk, ID (Getzel NY 10/15 121)  
 17450t0140 RP: CC tlk by YL (Maghakian NY 11/1 333)  
 17635 0029 RP: SS YL tlk, ID @ 0035, into CC mx (Naylor CA 10/23 343)  
 17650 0000 RP: EE nx, anti-Soviet cmtry (Blom NY 10/17)(Smith FL)(Prath FL)  
 17680 0015 RP: EE rpt on treaty w/ Japan, CC mx prgm (Schnell 10/22 444)  
 (Thompson NM)(Earhart PA)(Hodsdon MN)(Stone ONT)(Woltman WI)++++  
 17700 0130 RP: EE tlk on Japanese treaty, CC mx (Dolyak FL 10/26)  
 17705 0000 RP: SS w/ IS, ID, tlk (Naylor CA 10/26 333)  
 17835 0030 RP: IS, into CC w/ ID (Getzel NY 10/16 222)  
 23880h 0116 Beijing: CC military orch., OM ID, 2 x 11940?? (Newell 10/16 252)  
 24200h 0124 Haerbin: CC inst. mx, 5 x 4840?? (Newell 10/16 252) welcome back!  
 24400h 0127 RP: CC YL vocals, possibly 5 x 4880 (Newell BC 10/16 252)  
 28095 0001 RP: CC w/ s/off ancmts (Trubee HI 10/26 222) welcome back Bill!



CYPRUS

7235 \*2215 CBC: IS, Greek s/on w/ nx (Blom NY 10/14 333)  
 9565 2215 CBC: IS, GK s/on, nx, mx, 2230\* (Donly SC)(Wood NH)(Maghakian NY)  
 11750 0500 BBC Limassol: EE nx in World Service, Moscow QRM (Smith CA 10/21)  
 11760 0600 BBC Limassol: EE w/ WS s/on (Wood NH 11/6)

Cyprus Federated State

6330 1725 R. Bayrak: Turkish mx, ID (Constantinides GREECE 11/7 444)

INDIA

**ALL INDIA RADIO**

4840 2310 AIR Bombay: Hindi w/ OM nx, mx (Hrivnak IL 10/17 433) excellent!  
 9705 1115 AIR: Tamil w/ violin/cello/tamboura IS, ID, tlk by OM (Peck NY)  
 11620 2100 AIR: Tamil w/ Indian mx (Wheeler KS 11/4 333)(EE @ 2000 Leeman RI)(Prom ENG)(Novello NY)(Hodsdon MN)(Donly SC).....  
 15205\*1000 AIR: EE w/ IS, ID, world nx, economic tlk, Cairo QRM (Hoffman PA)  
 17387 1055 AIR: end EE nx, s/off ancmts, 1100\*, // 15205 (Lobdell MA 10/20 343)  
 17705 0330 AIR: Hindi w/ IS, then Hindi prgm (Barry CA 11/12)(Thompson NM)

INDONESIA

3265 1450 RRI Gorontalo: Indo songs, ID, Jak. nx relay, final ID, "Love Ambon", then 1530 sign off, very strong, usual ute (Sparks CA 11/5)  
 3290 1350t RRI Madiun: Indo songs, ancmts, no ID, Peking QRM (Sparks CA 10/17)  
 3317 1430 unid RRI w/ Indo songs, kroncong mx, RRI ID (Sparks CA 10/15)  
 3325 1400 RRI Palangkaraya: Indo OM tlk, IS, pop/local mx (Link CA 10/12 332)  
 3355 1227 RRI Sumenep: ID, local nx, gamelan mx, thru RTTY (Sparks CA 10/17)  
 3374.5 1350 RRI Jambi: tentative w/ Indo songs, nx relay, weak (Sparks 10/16)  
 3375.5 1400 RRI Medan: now on this freq., ex 3414, noted w/ strong signals, local ID & nx, sked is 1200-1500 (Sparks CA 10/16).....  
 3367 1405 R. Angkatun Udara: relay Medan nx, local ID, pop mx (Sparks CA)  
 4465 1350 RPD Tk2 Kutai: local nx, anth. orch, mx, mentions Kutai (Sparks CA)  
 4855 1345 RRI Palembang: Indo? OM/YL tlk (Forsman CA 11/4+ 252)  
 4875 1130 RRI Sorong: ID "Saudara-saudara, Inilah RRI Sorong" (Wood NH)  
 4927 1517 RRI Jambi: u/lang w/ tlk interspersed w/ mx (Forsman CA 10/29 252)

INDONESIA (continued)

11789 1430 VOI: Indo lang, lesson in EE, address, VOI, P.O. Box 157, Jakarta (Peck NY)(Kavelesky OH)(Forbes TX)(Blaize LA)(Worrel ND)(Miller CA)

IRAN

9022 1930 VOI: EE w/ text of Shah's speech establishing martial law, then nx (Cuneo NY 11/6 454)(Peck NY)(@ 0100 Thompson NM).....  
15084 0215 VOI: Farsi mx, tlk by YL, 0220 chimes, mentions Tehran (Trubee HI) (Thompson NM)(Smith CA)(Hrivnak IL)(@ 1425 Prath FL)(Thompson CA)++

IRAQ

9740 0243 RBI: AA w/ lite tlk, laughter, mx, anthem, 0259\* (Donly SC 11/7 444)  
9745 2227\* RBI: EE w/"Arabic by Radio", "The Press Newsreel", chants (Dobbins MD 10/10)(Newell BC)(Yajko PA)(Smith MA)(Famularo NJ)(@ 1930 Blom).

ISRAEL

7412 2230 IBA: EE nx, press review, // 9435, 9815, 11655 (Zilmer WI 11/6 353)  
9009 2000 IBA: EE nx, "Calling All Listeners" (Zilmer WI 11/5 222)  
9435 2010 IBA: EE tlk (Blom NY 11/5)(@ 2229 Thompson NM)(@ 0343 Stein NJ)  
9445 2120 IBA: Hebrew HS (Reshet Bet), mx, tlk, // 11638, 12077 (Zilmer WI)  
9815 2240 IBA: EE world nx, cmtry from press, "Studio 3", orch, mx pgm (McCurley MD 11/2 333)(Oakley CA)(Brown IL)(Hrivnak IL)(@ 2000 Blom)  
9833 0500 IBA: EE nx, editorial (Cook CA 10/29 343)(Zink CA)  
11625 2250 IBA: EE "TGIF", Hebrew @ 2300, // 11655 (Stein NJ 11/3)(Smith FL)  
11638 2251 IBA: Hebrew HS w/ mx, ads (Stein NJ 11/3 211)  
11655 0503 IBA: EE nx, FF @ 0515 (Hook FL)(Bonner OH)(@ 2000 Miller CA)(Carrier FL)(@ 2230 Fraser MA)(Barry CA)(Link CA)(Thompson CA).....  
11960 2005 IBA: EE nx, press review, "Calling All Listeners" (Zilmer WI 11/5)  
15160 1218\* R. Tel-Aviv: EE ID, s/off, no other freqs given (Cuneo NY 10/24)  
15485 2245 IBA: "Calling All Listeners", mailbag, DX pgm (Curtis TN 11/6 544)  
15540 1200 IBA: EE nx, cmtry, not on anc'd 15530, // 11655, 15405, 17685(Zilmer WI)  
15545 1845 IBA: Hebrew HS w/ tlk, mx, // 12077, 17630 (Zilmer WI 11/5 333)  
17630 2000 IBA: Hebrew HS, IS, s/on Shalom (Blom NY 10/8 444)  
17685 2000 IBA: IS, EE s/on, nx (Blom NY 10/8 211)  
21495 1200 IBA: EE nx from Home Service, // 15405, 17685 (Wood NH 10/31)  
25606 1635 IBA: RR YL tlk, above jammer, a rare treat! (Newell BC 11/3 333)



JAPAN

3910 0752 FEN: EE w/ rock/country mx, ID, Tokyo wx (Thompson CA)(Hensley TX)  
6055 1300 NSB: JJ w/ comedy (Wood NH 11/4)  
6155 0730 FEN: EE ID, TC for 4:30, American football, wx (Smith CA 11/9 333)  
9505 1415 R. Japan: "Programme Guide", DX nx (Donly SC 10/22)(Yajko PA)  
9585 1300 RJ: EE nx, mx, to Europe (Oakley CA)(Prath FL)(Wood NH)(Zilmer WI)  
9675 1115 RJ: EE nx, local mx, DX nx, // to 11875 (Zilmer WI 10/22)(Cuneo NY)  
11815 1405 RJ: EE nx, cmtry, freqs, JJ @ 1430 (Larson NE 10/23)(Carrier FL)  
11825 \*2200 RJ: via Sines, Portugal: experimental xsmn, JJ @ 2215 (Mellinger NJ)  
11875 1228 RJ: IS, RR s/on w/ "Govorit Tokyo", tlk by YL (Magnakian NY 11/2)  
11950 1820 RJ: German, then EE nx, "Tokyo Calling", DX nx (Link CA 10/15 443+)  
15105 \*0358 RJ: EE ID, freqs, nx (Hensley TX 10/30 434)(Thompson CA)(Hrivnak IL)(Oakley CA)(Carrier FL)(Smith CA)(Famularo NJ).....  
15195 2315 RJ: EE ID, features, lite mx, JJ @ 2330, in GOS (Donly SC 10/21)  
15235\*0930 RJ: IS, JJ/EE ID, EE nx, to ANZ (Hoffman PA 10/16 333)(Zilmer WI)  
15270 0030 RJ: EE w/ letter on amateur radio in Japan (Stone ONT)(Peck NY)  
15300 2258 RJ: IS, EE/JJ IDs, anthem, into Viet pgm (Donly SC 10/20 242)  
15310\*0300 RJ: IS, EE s/on, barely audible (Famularo NJ 11/8 151)  
17725 0227 RJ: EE nx, 0230 into SS, // 15195, 17825, (21640) (Earhart PA)  
17755 2212 RJ: EE cmtry on election, JJ @ 2215 (Steve Miller CA 11/5 454) (Zink CA)(Smith FL)(Donly SC)(Woltman WI)(Kavelesky OH)(Hodsdon MN)  
17825 2345 RJ: IS, EE ID, world nx, cmtry (McCurley MD 11/2 344)(Yajko PA) (Fraser MA)(Earhart PA)(Woltman WI)(Brodsky NY)(Famularo NJ)++++  
17880 0100 RJ: EE nx by OM, tlk on JJ/CC Peace Treaty (Kegel MD)(Carrier FL)  
21535 0820 RJ: EE w/ "One in a Hundred", anthem, 0830\* (Harada HI) now on 21640  
21640 0130 RJ: EE GOS to Hawaii (Trubee HI 10/12)(Thompson NM)(Hodsdon MN) (Forbes TX)(Earhart PA).....

**NSB**

JORDAN

9560 1658 HKBS: EE w/ pop mx, ID as R. Jordan from Amman (Webster ONT)(Donly SC)

D. P. R. KOREA

2850 1301 KCBS: KK YL/OM political discussion, // 3030, 3203, 3320, 4273 (Link CA)  
3840 1315 R. Pyongyang: on new freq, ex 3892?, EE w/ ID (Sparks CA 10/16)  
4102 1328 VRPRK: KK soft YL tlk, // 4553 (Bodell OR 11/18 444)  
6250 2155 RP: KK political tlk in HS (Wood NH 10/22) (SC)  
6290 2245 KCBS: KK ID, "Chungsan Pangsong", youth choir, 2255\* (Donly SC 10/

**RADIO JAPAN**

SC)

5880 2130 BSKSA: AA drama, ID, nx (Wood NH 10/27)  
 6080 2235 BSKSA: AA s/o chanting, soft tik, inst, mx, 2256\*(Donly SC 11/2)  
 11685 0500 BSKSA: AA mx perm (Bode11/Perings or 11/9 344)  
 11775 1900 BSKSA: AA mx, ID by OM, then more mx (Mayer CA 10/14 333)  
 11855 2145 BSKSA: EE W/Mid east mx, possible ID @ 2150 (Mayer 10/16 222)



9570 1814 QBS: AA YL/OM W/ tik, AA inst. mx (Bode11 OR 11/18+ 322)  
 QATAR  
 17810 2358 FEBC: IS, EE s/on, "Good Morning from Manilla" (Donly SC)(Getzel NY)  
 17710 0300 RVA: EE ID, malibeg, as of 11/5 RVA has 4 1/2 hr. EE bcsts @ 0000,  
 0300, 1130, 1300 (Lobdell MA 11/7 152)(Miller CA)(Barry CA),.....  
 15450 2312 FEBC: EE W/choral mx, YL ID, OM tik (Famularo NJ)(Oakley CA)  
 9225 1500 VOA: EE W/local ID, s/oft (Wood NH 11/5)  
 1459 1459 VOA: IS, ID by OM, u/Lang tik (Webster ONT 10/29)  
 9590 1430 R. Veritas Asia: EE ID, world nx (Miller CA)(Forsman CA)(Smith CA)  
 1790 1500 VOA: Special EE, past sked s/oft, ID (Boehm TX 10/11)  
 6032 1215 FEBC: "Back to Bible", ID, 1230\*, Soviet QRM (Sparks CA 10/7)

PHILIPPINES

9465 2030 RP: Urdu nx, ID "Yeh R, Pakistan hai" (Wood NH 10/27)  
 9785 0240 RP: Maldeat type mx, Rutes, drums, 0255\* (Stone ONT 10/12 444)  
 11677 2125 RP: (Farst) perm, // 9460 (Eathart PA 10/10), not Urdu, reb.  
 12645nr 0240 RP: EE/Urdu tik, then anthem, s/oft (Fek NY 11/5 332)  
 17665 0800 RP: Urdu nx (Constantinides GRECE 11/5)(EE @ 1100 Zilmer WI)  
 12830 0435 RP: EE s/o nx, 0445\*, // 21590, (21730) Tacoma CA)(Forsman CA)  
 21590 \*0229 RP: IS, EE ID, s/o speed nx (Leistner CA 10/30)(Newell BC)  
 21730 0223 RP: Indo W/ Subcont. mx, not heard since (Newell BC 10/8 342)



PAKISTAN

15310 1510 BBC Eastern Relay: EE nx in WS, 1515 Big Ben, gone @ 1517, LF echo (Bode11 11/18 OR)

OMAN

1425 3425 R. Nepal: Nepali songs, YL ancr, into EE svce @ 1435 W/ YL tik (Sparks CA)(Forsman CA)(@ 0045 Hoffman PA),.....



NEPAL

4950 1324 RMS Kuching: u/Lang OM, Oriental mx (Forsman CA 11/4 353)

SARAWAK

15295 1030 V. of Malaysia: CC s/on, mx, pauses (Wood NH 10/18)

MALAYSIA

7145 1059 National Laotian R.: OC, inst., mx, ancht, ID as "pethet Lao" (Lobdell MA 10/26)  
 6700 2250 Xienghouang: Lao W/ nx, YL tik, heavy QRM, 2255\* (Prath FL 10/16)  
 4652 1127 Houa Pham: u/Lang tik by OM, Oriental opera type mx, fluter (Web-ster ONT 0/27)

LAOS

15180 1828 RL: test tone, anthem, 1832\* OM/YL nx, ID, lite mx (Donly SC 11/1)  
 11925 0245 RL: EE pop mx, YL DJ (Mayer CA 10/30 443)(Wood NH)(Donly SC)

LEBANON

21685 1255 RK: AA mx, tik by YL, // 21605 (Prath FL 10/7)(Famularo NJ)  
 12085 1905 RK: EE W/ US pop mx, OM anchts (Mayer CA 10/14 332)(Hagen IL)(Hodsdon MN)(Leistner CA)(Leehan HI)(Worrel ND)(Blom NY)(Yajko PA)

KUWAIT

11965 1340 RK: EE nx, Korean mx (Hagen IL 10/14 323)  
 9870 1350 RK: EE tik on American tourists, unlisted freq (Cook CA 10/13 343)  
 9720 1611 RK: EE tik on HOK's junior soccer team (Yonah NJ 10/29 333)(Worrel ND)(Thompson CA)(Thompson NM)(Miller GA)(Hodsdon MN)(Larson NE)++++  
 9640 \*0630 RK: EE nx, editorials (Thompson NM 10/27 433)  
 7275 1245 R. Korea: YL EE entry, classical mx, 1300 ID (Boehm TX 10/7)  
 3996 1415 V. of Hope: presumed the one W/OM/YL KK tik, up from 3385? (Sparks)  
 930 0930 KBC Seoul: KK OM W/ tik on arts, opera mx, pop mx (Link CA 10/19)

REP. OF KOREA

11532 2040 RP: FF political tik, good accent (Wood NH 10/28)  
 (Leehan HI)(@ 0619 SmtH CA)(@ 2231 Getzel NY)(Famularo NJ),.....  
 9977 1100 RP: EE nx, mx to honour Kim (Pissher MA 11/4 333)(Yajko PA)  
 9420 0730 RP: EE entry on Kim, HOK (Brown IL 11/4 342)(Wolman WI)(Prath FL)  
 7203 1100 RP: KK ID, nx (Wood NH 10/16)  
 6772 1100 RP: SS nx, mx, // 9420 (Zilmer WI)(Marhakhan NY)(KK @ 2225 Wood)  
 6576 2035 RP: EE political tik on Kim (Wood NH 10/28)

D. P. R. K. (Continued)



SA'UDI ARABIA (continued)  
 21590 1454 BSKSA: chanting, then tlk in AA by 3 OMS (Forsman CA 11/4 333)  
 21640 1310 BSKSA: Qur'an, AA? tlk, mx YL singing, 1345 nx (Oakley CA 10/8)  
 SINGAPORE  
 1780 1336 BFC Far East Relay: EE w/ special EE lang lessons (Boehm TX 10/11)  
 11940 1047 R. Singapore: EE YL tlk, pop mx (Leistner CA)(Thompson NM)(Link CA  
 12880 0000 BFC FE Relay: EE world nx by YL, IDs (Getzel NY 10/10)(Machkhan NY  
 SRI LANKA  
 11800 0103 SLBC: Hindi Svc w/ beautiful Indian vocals, this freq, heard best  
 after 1700 w/ apparent antenna shift, to 1730\* (Bodell OH).....  
 SLBC: EE ID "this is the All Asian Svc of SLBC" (Kegel MD 10/4 222  
 11835 1600 VOA Colombo: EE ID, nx by OM (Worrel ND 10/28 443) your PI logging  
 15120 1117 SLBC: EE w/ "DX monitors International" (Machkhan NY 10/9 343)  
 15185 0002 VOA Colombo: EE OM w/ world nx in special English (Smith CA)  
 SLBC: EE OM w/ birthday selections (mx) (Boerst FL 10/29 322)  
 (Webster ONT)(Famularo NJ)(@ 1645 Hodsdon MN).....  
 TAIWAN  
 3230T 1320 BCC: CC YL w/ tlk (Link CA 10/13 252)  
 1730 0919 VORC: CC YL/OM w/ play (Dawson CA 10/29 353)  
 9765 \*0900 VORC: CC OM w/ s/on, anthem, into classical mx (Thompson CA 11/5)  
 11745 \*0900 VORC: IS, anthem, cc s/on (Billier NJ 10/28 434)(Miller CA)  
 15345 \*0100 VORC: EE s/on to Nam, nx, good accent, // 15425, 17890 (Wood NH)  
 15425 2335 VORC: Mandarin tlk by YL/OM, 2350\* (Donly SC 10/24 3333)  
 17890 0120 VORC: EE ctry on FRC (Smith MA 11/2 443)(Oakley CA)(Worrel ND)  
 (Peck NY)(@ 2140 Zink CA)(Steve Miller CA)(@ 0333 Getzel NY)++++++  
 THAILAND  
 9655 \*1055 RT: EE YL nx, Oriental mx, 1157 ID, s/ofr, into Viet, anc'd 11905  
 (Norros GUAM 10/18)  
 des GRBCE)  
 Turkish Meteorological Svc: Turkish ancmts, local mx (constantini-  
 PA)  
 VOT: EE ID, centry, tlk (Cunura PA 10/29 433)(Worrel ND)(Barth PA-  
 (Hodsdon MN)(Mayer CA)(Frath FL)(Leeman RI)(Brown IL)(Newell BC)++  
 11955 2245 VOT: EE w/ DX nx, read reception rpt, // 9515, 2300\* (Tacoma CA)  
 VOT: beautiful Turkish vocals, // 11955 (Bodell/Urllings or 11/9)  
 15135 0715 VOT: Turkish folk mx, saz orch., flute mx, Turk. ID (Peck NY 11/5)  
 U. S. B.  
 4785 1240 Petropavlovsk: RR Mayak prtm, anc'd R. Moscow (Maplin WA 11/7 444)  
 5015 1127 Vladivostok: opera mx, RR tlk (Machkhan NY 10/27 343)(Smith CA)  
 7165 2337 R. Moscow via Nikolayev: EE nx, ID for Nam, // 7195, 7205 (Hensley)  
 7205 1600 R. Vladivostok: EE WS w/ local, world nx, // 7290 (Hensley TX)  
 1255 1855 Yakutsk: Mayak prtm, IS, mx, nx, // 7000, 7300 (Boehm TX 10/10/20  
 7230 1245 Nikolayev: Mayak prtm w/ classical/semi-cl. mx, tlk (Boehm TX 10/15)  
 7250 0515 Stmpetrovsk: Mayak prtm w/ IS, "Big Band" mx (Boehm TX 10/9)  
 9735 0534 R. Vladivostok: EE political centry on US, RFE, etc. (Smith CA)  
 9765 1920 R. Vladivostok: EE w/ "DX Club", malibeg, u/airng @ 2000 (Dobbs MD,  
 9790 0600 Nikolayevsk: Mayak w/ Vietnamese mx, RR tlk (Smith CA 10/13 353)  
 11720 0450 R. Vladivostok: EE political centry on US (Smith CA 10/4 454)  
 11850 1800 R. Vladivostok: IS, ID, EE nx, centry, jamming (Cereghin MD 11/11  
 11990 0488 Vladivostok: Mayak w/ RR YL tlk, RR mx, ID (Wilson CA 11/4)(Dawson)  
 12000 0300 R. Kiev via Vladivostok: IS, s/on, Almenian tlk, mx, EE nx (Magna-  
 klan NY)  
 12010 0716 Nikolayevsk?: RR mx prtm (Dawson CA 10/23 343)  
 12020 0612 Petropavlovsk?: RR OM/YL w/ possible nx (Smith CA 11/5)(Dawson CA)  
 15100 0405 R. Vladivostok: EE OM w/ DX prtm (Smith CA 10/15 333)  
 15130 0411 R. Vladivostok: EE OM w/ Soviet nx to ANZ (Smith CA 10/15 252)  
 15245 2025 R. Vladivostok: EE OM w/ "The World Svc of RR" (Frath FL 10/8 443)  
 17845 2300 R. Vladivostok: EE nx, ID "International Dairy" (Zink CA)  
 17860 0100 undt site w/ Mayak prtm: IS, RR tlk, mx (Machkhan/Blanco/Peck NY)  
 19000h 0230 Masadan: RR w/ Beethoven's "Für Elise", 2 x 9500 (Newell BC 10/16)  
 25075h 0132 Vladivostok: RR tlk, muzak, 1s 5 x 5015 (Newell BC 10/16 343)  
 28865h 0050 Vladivostok: RR w/ piano mx, // 25075, 1s 3 x 9620 (Newell BC 10/18)  
 Azerbaijan S. S. B.  
 4785 0229 Baku (presumed): Mideast style Inst. mx, piano exercises to 0300,  
 then Moscow relay bells, RR nx on new Pope (Lobdell MA 10/17 343),  
 21490 1247 R. Vladivostok: EE WS w/ vocals, bells, ID, TC, nx (Lobdell MA 10/28)  
 U.S. S. B.  
 4635 0120 Dushanbe: RR w/ piano mx, YL anc'd (Bodell OH 11/4 242)

AWR

ALMIRA

Turkmen S. S. B. 4930 0158 Ashkhabad: RH w/ Mayak IS, then tik by YL anor (Yohana NJ 10/19)

Uzbek S. S. B. 5975 1200 R. Tashkent: EE s/on, mix Peking in KK, // 6025 (Wood NH 11/2)

R. Tashkent: EE s/on, mix Peking in KK, // 6025 (Wood NH 11/2)

R. Tashkent: EE s/on, mix Peking in KK, // 6025 (Wood NH 11/2)

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R. Tashkent: EE s/on, mix Peking in KK, // 6025 (Wood NH 11/2)

R. Tashkent: EE s/on, mix Peking in KK, // 6025 (Wood NH 11/2)

DEFANIA

R. Freedom of South Yemen: AA ID, nx (constant indices GREECE 11/1 444)

R. Freedom of South Yemen: AA ID, nx (constant indices GREECE 11/1 444)

R. Freedom of South Yemen: AA ID, nx (constant indices GREECE 11/1 444)

R. Freedom of South Yemen: AA ID, nx (constant indices GREECE 11/1 444)

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R. Freedom of South Yemen: AA ID, nx (constant indices GREECE 11/1 444)

R. Freedom of South Yemen: AA ID, nx (constant indices GREECE 11/1 444)



NEW CALPEDIA 7170 0655 R. Noumea: FF w/ rock mx, ID (Maplin WA 11/5 444) (Smith CA) 11710 0811 RN: FF tik, MOR mx (Naylor CA 10/15 333)

17855 0000 KLMR: EE mx, relig. prtm, freqs, times (Zilmer WI 10/17) (Wood NH)

17855 0000 KLMR: EE mx, relig. prtm, freqs, times (Zilmer WI 10/17) (Wood NH)

50474 0810 HCT: HA nx relay, then local prtm w/ Island mx (Tacoma CA 10/22)

COOK ISLANDS 50474 0810 HCT: HA nx relay, then local prtm w/ Island mx (Tacoma CA 10/22)

15355 0510 RA-L: "Focus on Australia" (Mayer CA 10/15 343) (Smith CA) ...

15425 0355 ABC Perth: classical mx, ID, TC, world/local nx (Cunura PA 10/22)

17295 0145 RA-S: "DX Club" (Krater NY 11/11 222) (Trube HI) (Cook HI) (Stein NJ)

21680 0500 RA-S: pop mx (Smith MA 11/2 354) (Barhart PA) (Kavelsky OH) (Forbes)

21740 0130 TX (Thompson CA) (Link CA) (Thompson NM) (Hodsdon MN) (Famularo NJ) (++)

15320 0430 RA-S: ID, TC, mx (Forbes TX 10/14 333) (Donly SC) (Cunura PA)

15260 0553 RA-S: FF prtm, EE @ 0600 (Smith CA 11/5 454)

15240 0531 RA-L: OM nx, rock mx (Smith CA 11/5 252) (Proom UK)

15230 0538 ABC Melbourne: relig. tik (Smith CA 11/5 242)

15160 0522 RA-L: FF OM playing rock mx (Smith CA 11/5 454)

11895 2300 RA-C: Viet tik, pop mx, IDs, IS, Viet nx (Zilmer WI 10/20 433)

11820 2138 RA-S: rock mx, "Australian Investment" @ 2142 (Donly SC 10/21 343)

11800 1755 RA-C: IS, 1758 s/on, world nx (Stein NJ 11/5) @ 2000 Wood NH

11705 1230 RA-S: Aussie nx, 1339 "Mallabag", ID, world nx (Carrier FL 10/22)

9770 1005 RA-S: world nx, mx (Prath FL 10/8 343)

9670 0755 RA-S: nx, mx (Wolman WI) (Carrier FL) (Naylor CA) (Cunura PA)

9660 0908 ABC Brisbane: OM w/ nx, sprts (Thompson CA 11/5 343)

9610 1403 ABC Perth: ID, local nx, mx (Cunura PA) (Webster ONT) (Carrier FL) (++)

(Blaise LA) (Fraser MA) (Hrynak IL) (Thompson NM) (Prath FL) (++)

9580 1208 RA-S: nx, "Int'l Rpt" (Cereskin MD 11/9) (Curtis TN) (Oakley CA)

9570 1600 RA-S: nx, ID, nice level @ local noon (Wood NH 10/22) (Proom UK)

9540 0950 RA-L: pop mx in "Countdown", tik (Prath FL) @ 2055 Donly SC (M1-1)

9505 2005 RA-S: world nx, mx, 2030\* (Biller NJ 444) (Donly SC) 1er CA)

ABC Melbourne: nx headlines, pop mx (Zilmer WI 10/30 222)

ABC Perth: pop mx (Zilmer WI 10/30 222)

ABC Sydney: EE tik (Wood NH 10/28)

6080 1230 RA-S: nx, pop mx, // 9580 (Zilmer WI 11/4 332)

6045 1138 RA-L: pop, c & w mx, // 6080, 5995 (Jones MS 10/21 333)

6035 2128 RA-C: ID, freqs, mx, TC, world nx (Donly SC 10/21 333)

5995 1350 RA-L: EE w/ world nx, ID, freqs (Larson NB) (Wolman WI) (Blom NY)

4920 0821 ABC Brisbane: EE w/ classical mx, TC, ID (Link CA 10/30 322)

4920 0821 ABC Brisbane: EE w/ classical mx, TC, ID (Link CA 10/30 322)

4920 0821 ABC Brisbane: EE w/ classical mx, TC, ID (Link CA 10/30 322)

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4920 0821 ABC Brisbane: EE w/ classical mx, TC, ID (Link CA 10/30 322)

4920 0821 ABC Brisbane: EE w/ classical mx, TC, ID (Link CA 10/30 322)

NEW ZEALAND  
 NZ: EE w/ "Roundabout" to 0355, ID, mx, s/ort (Smith MA 11/2 343)  
 NZ: mxyb, after KGEI s/ort (Dobbs MD 11/5) (Hensley TX) (Smith MA)  
 RNZ: YL t/k, OM vocal (Earhart PA 10/8) (Smith CA) (Donly)  
 RNZ: pop recordings (Barry CA 11/12 454)  
 RNZ: oldies mx of 40s & 50s, mx @ 0400, opera type mx (Snowden CA 10/20) (Oakley CA) (Famularo NJ) (Mayer CA) (Smith CA) .....

PAPUA NEW GUINEA  
 R. West New Britain: Pldgin t/k, ads, rock mx (Weston ONT 10/15 342)  
 R. Chlmbu: choral/pop mx, YL Pldgin t/k (Webster ONT 10/15 242)  
 R. New Ireland: mx, OM Pldgin t/k (Webster ONT 10/15 222)  
 R. West. Highlands: choral singing, pop mx, Pldgin t/k (Webster ONT)  
 R. Morobe: Pldgin OM ancont, MOR mx (Link CA 10/19) (Webster ONT)  
 R. Gult: pop mx, u/Lang t/k (Webster ONT 10/15 242)  
 R. Madang: c & w mx, very popular on this sta., Pldgin t/k (Webster)  
 R. No. Solomons: pulsating chant-like cheering, Pldgin t/k (Webster)  
 R. East Sepik: YL Pldgin t/k, choral mx (Webster ONT 10/15 323)  
 R. Milne Bay: OM t/k in EE, choral mx (Webster ONT 10/15 443)  
 R. East New Britain: EE/Pldgin w/ local mx, TC, ID (Cunura PA 10)  
 R. Manus: chort w/ pop/Island mx, Pldgin t/k (Webster 10/15 422)  
 NBC Port Moresby: pop mx, EE t/k (Webster ONT 10/15 322)  
 NBC, EE w/ rock mx, ID (Stroh IL 10/2) (Frath FL) (Hirvan IL) (Mappin WA) (Wellinger NJ) (@ 0843 Cunura PA) (Letstener CA) (Smith CA) .....

SOCIETY ISLANDS  
 11825 0505 R. Tahiti: Tahitian ID (Blaise IA) (Earhart PA) (Cunura PA) +  
 15170 0318 RT: Island mx, FF or Tahitian ID (Blaise IA) (Earhart PA) (Cunura PA) +

----- D R T E L I N E -----

N O T I C E - If your Bulletin arrives late this month blame the post office. The packet of Loggings sent from the CDE was lost in the mail, fortunately it was found and thank to a great effort on the part of Bob Zilmer your A/O is complete. Before we go to DATELINE we want to thank 87 reporters this month, and welcome all newcomers and returnees. Also we want to recognize the fine work that Bill Cleveland has put forth as QSL editor for the past several years, and welcome our good friend Bob Donly as new QSL editor. He deserves your support.

BANGLADESH - the domestic svcs is (6000-0930, 1030-1315) now on 2140, 9580. BRCMS  
 GUAM - RWRB's EE s/ord for the period D-78 1st: (0000-0130) on 12855; (1000-58) on 11810; (1430-1500) on 11850, 15135. Rpts to: P.O. Box CC, Agaña, Guam. WPHHNK1LR  
 IRAN - VOI's English svcs to Afghanistan is on 11725 (1400-55) .....

ISRAEL - IBA's posts to the Americas are now: EE (1200-30), FF (1230-1300) on 11655, 14045, 15540, 17685, 21495; EE (2000-30), FF (2030-2100) on 9009, 9425, 9815, 11655, 12685; FF (2200-2230), EE (2230-2300) on 2412, 9435, 9815, 11655, 17685; EE (0500-15), FF (0515-30) on 9833, 11638, 11655; Ladino (0435-40) on 9435, 11655, 11840; Moghrabi (0440-5), Spanish (0445-55), both on 9435, 11638, 11655, 11840; Easy Hebrew (0450-500) on 11638, 11655. the Hebrew Home svcs - relay 1st: (0400-0610) on 9445, 9815; (0615-1745) on 12072, 15445, 17630; (1745-1820) on 12072; (1820-1955) on 9445, 12072, 15445; (2000-2300) on 9445, 11638, 15445; (2300-10) on 2412, 9435, 9815, 9445, 9815, 11655, 12072, 15445, 15545. BRCMS

KAMPUCHEA - HDRK recently observed on 9693 (1149) // 4908. BRCMS  
 NEW ZEALAND - RNZ's D-78 s/ord, valid to 04 March 1979, is as follows: 6105 (0540-1115); 11945 (0425-0715); 11960 (1700-2005); 15280 (0200-0530); 15345 (1700-0145); 17860 or 17720 (2015-0415) .....

SRI LANKA - A note to Dan Carrier, PL from G. G. Thiele of Deutsche Welle states the following concerning the establishment of a DW relay in Sri Lanka: "We know that newspapers and DX-magazines have been publishing news about a new relay station being built at Trincomalee, Sri Lanka. We can only say that negotiations are being held. Maybe the wild speculations are due to the fact that Deutsche Welle is helping with know-how" to build up a home-service in Sri Lanka." .....

TURKEY - Not enough room for the entire VOT revised s/ord for D-78, we'll publish the entire s/ord next month. EE is as follows: (1200-1300) on 15125; (2130-2300) on 6185, 7170, 9515, 11955, 11955. 73 and Happy Holidays, 10/25/78 direct

**WORLD SERVICE STATION SKEDS**

**PROGRAMMI**  
 BULLETIN DE PROGRAMMES  
 ENGLISH SERVICE  
 ORLA REESE  
 1639 Massachusetts St  
 Lawrence, KS 66044  
 Editor:

PROGRAMME SCHEDULE  
 Deadline: 15th  
 COMUNICATI NEL CORSO

**EMISSIONI**  
**TRASMISSIONI**  
**PROGRAMMI**  
**SERVIZIO**

AUSPITALIA, RA, changes from Nov SPEEDX:  
 to Pac: 0800-2000 6045.  
 1730-2030 6060, 2030-2200 9540.  
 to UK/Eur: 1800-2000 11800.  
 Donly, Gaede, Harada, Oakley, Watts.  
 ABC-Berth: 9610 @ 2100-1600.  
 6140 @ 2100-0100 & 0930-1600.  
 15425 @ 2300-0930. Oakley.  
 AUSTRALIA, ORF, EE to N America:  
 0130-0200 6155, 9770, 11720.  
 0300-0400 6155, 9770, 11825.  
 0430-0500 5945, 6155, 17770 to WCNA.  
 1230-1300 21530. Good to 4 March.  
 Snyder.  
 BELIZE, R Belize prdcts in EE & SS  
 @ 1200-0510 on 3300 (some times on  
 3285). From GSTL via Clark.  
 BULGARIA, R Sofia, New Sked, EE:  
 to UK: 1930-2000 6070, 9700.  
 2130-2200 5915, 7115.  
 to N Am: 0000-0100 9705 (or 9707).  
 0430-0500 7115.  
 Uyen, Blom, Dekoyer, Worrel.  
 CANADA, CBC Northern Service:  
 1128-1400 6065, 9625, 1400-2400 9625,  
 & 11720, 0000-0707 6195, 9625.  
 R Canada Int, EE to 4 March 79:  
 to U.S.: 0100-0130 5960.  
 0300-0330 5960, 9535, 9755, 11845.  
 0400-0430 5960, 9535.  
 Carib.: 0100-0130 11940.  
 Lat. Am.: 0100-0130 9535, 11940.  
 0200-0230 9535, 11845.  
 0300-0330 5960, 9535, 9755, 11845.  
 0400-0430 5960, 9535.  
 Africa (M-F): 0615-0630 & 0645-0700  
 9515, 9730, 11775.  
 Africa (Sat): 1800-1830 15260, 17760.  
 M East (M-F): 0615-0630 15265, 17860.  
 2130-2200 11945, 15150, 15325, 17825.  
 Europe: daily 1545-1600 7235, 9555,  
 11915, 15315, 15325, 17820.  
 1645-1700 15225, 17820.  
 1900-1930 5995, 11905, 15325, 17820.  
 2000-2030 5995, 11905, 15325, 17825,  
 17820.  
 Europe: M-F 0615-0630 6140, 7155,  
 9655, 11735.  
 0645-0700 6140, 7155, 9655, 11735.  
 2200-2300 5995, 9775, 11855.  
 Sun, 1400-1500 6195.  
 Erickson, Yohama.  
 "Words, like eyeslases, blur every-  
 thing that they don't make more clear."  
 -Joseph Joubert

CHAD, Rad, Nac, Tchadienne, from GSTL:  
 0430-0630 & 1045-2200 Mon-Fri.  
 Morning and evening prgms on 4904.5,  
 & afternoon prgms on 7120. Langs are  
 FF, AA & local Langs.  
 Clark.  
 CHINA, PEOP, RCP, OR, RP, EE:  
 to HONA  
 0000-0100 15060, 15520, 17680.  
 0100-0200 15060, 15520, 17680.  
 0200-0300 12055, 15060, 17680.  
 1200-1300 9820.  
 to WCNA  
 0300-0500 11685, 12055, 15060, 15300.  
 to Australi/N Zealand  
 0830-1030 9460, 11600, 11720, 15045, 17635.  
 to SE Asia  
 1200-1400 9290, 11650, 15270, 17805.  
 to S Asia  
 1400-1600 9860, 11650, 15080.  
 to E & S Africa  
 1600-1800 9860, 15670.  
 to W & N Africa  
 1930-2130 7620, 9880, 11302.  
 to Europe  
 2030-2230 6270, 6860, 7470.  
 Oakley, McCurley.  
 CYPRUS, CBC, prdcts Fri-Sun @ 2215-  
 2230 on 9565, 7250, and 6150 in Greek  
 to the United Kingdom. Donly.  
 GEORGIA, RP, EE to NA:  
 0100-0200 & 0300-0400 5930, 7345, 9540,  
 9630, 11990.  
 Schwartz  
 ECUADOR, HORGE: According to the Oct.  
 78 HGRGE Hoteln, RadioTisora de la  
 Casa de la Ecuatoriana prdcts @  
 1200-2200 & 0000-0530 on 4930. Watts.  
 EGYP, R Cairo prdcts to Europe  
 (heard well in NA) @ 0200-0330 on  
 6230, 9475. Dekoyer, Snyder.  
 FINLAND, RP, EE to 4 March 79:  
 to N Am 1300-1330 (to 1430 Sun).  
 to N Am 1300-1330 (to 1430 Sun), 11800.  
 to E Eur/W East 1430-1500 15265.  
 to W, C, & S Eur/N AF  
 0800-0930 11775 (Sun only).  
 0930-1000 11775, 15270.  
 1300-1330 11775, 15265 (Sun to 1430).  
 1430-1500 6120, 11775.  
 1930-2000 6120, 9585, 11775.  
 2130-2200 9585.  
 to N & C Europe  
 1430-1500 6120 (Sun from 1300).  
 "Continued on next page."

FINLAND, continued  
 To F East/Aust, 0930-1000 (Sun from 0800).  
 To S Africa, 1300-1330 (Sun to 1430).  
 To S Am/NW Africa, 2130-2200 (9585, 11910).  
 Bhagiar, Miller, Zilmer.  
 GERMANY, WEST, Deutsche Welle, BE:  
 To NA 0130-0150 6040, 6075, 6085, 6100,  
 9545, 9565, 9605, 11865.  
 0530-0550 5960, 6100, 6185, 9545, 11785.  
 To S Asia, 0120-0220  
 6065, 7210, 7285, 9690, 11945.  
 1720-1750 7160, 9590, 11785, 15405,  
 17825.  
 To E Asia/N Zealand, 0930-1030  
 9650, 11850, 15275, 17780,  
 17800, 21540, 21680.  
 2100-2200 7130, 9765.  
 To C & E Africa, 0430-0515  
 7150, 7225, 9565, 9765, 11675,  
 1045-1115 11785, 15410, 17765, 17875,  
 21500, 21600.  
 1715-1745 9235, 11965, 15135, 17730.  
 1745-1805 15135, 17730.  
 To W Africa, 0600-0630 9700, 11765, 11905, 15275,  
 17875.  
 1200-1245 15410, 17765, 17875, 21600.  
 1930-2000 9765, 15150, 17795.  
 Carrier, Snyder.  
 GHANA, R Ghana & Nat. Svce., BE:  
 R Ghana 0700-0900, 1600-1700, & 2000-  
 2300, all on 6130.  
 GBC-2 (Com. Svce.):  
 4980 @ 0530-0800 (Sun to 2300).  
 4980 @ 1200-2300, 3366 @ 1600-2300.  
 3366 @ 0530-0800 (Sun to 0900).  
 7295 @ 1200-1600 (Sun from 0900).  
 GBC-1: BE NX., best freq is 4915.  
 @ 0600-0615.  
 Clark.  
 GREECE, VOG, to 4 March 79:  
 BE, RF, 0500-0630 9700, 0730, 17880.  
 0600-0630 9500, 15310, 17880.  
 To NA 0000-0150 9760, 11730, 11955 gr, BE,  
 0200-0350 9610, 11730 gr, BE,  
 1200-1250 11730, 15345, 17830 gr, BE,  
 1500-1550 11730, 15345, 17830 gr, BE,  
 To EUR 1900-1950 5955, 7215, 9530 gr,  
 BE, RF, GG.  
 To Aust 0900-0950 9655, 15100 gr, BE.  
 2100-2150 6140, 9655, 9760 gr, BE.  
 2200-2250 9655, 9675 gr, BE.  
 To Jap 1000-1050 11600, 15345 gr, BE.  
 To S Af 1800-1850 11925, 15345, 17830  
 gr, BE.  
 To S Am 2200-2350 6140, 9760 gr, RF, SS,  
 BE.  
 In most cases BE starts 15 min. after  
 start of transmission. Yajko, Miller.  
 HUNGARY, RB, BE to 5 May 79:  
 0200-0250 6000, 6105, 9585, 9835, 11910.  
 15220 to N America (Eu-Su).  
 0300-0330 6000, 6105, 9585, 9835, 11910,  
 15220 to N America.  
 1030-1100 7200, 9585, 9835, 11910,  
 15160 to Aust/NZ/Jap.  
 1200-1220 6110, 7155, 9585, 9835, 11910,  
 15160 to Eur (Mon-Fri).  
 Hungary continued on next column.

MEXICO, R. Mexico plans to begin BE  
 transmissions within 3 mths. Clark  
 BE, to 4 March 79:  
 NETHERLANDS, RM, BE to 4 March 79:  
 0230-0325 6165B, 9590B to N America.  
 0530-0625 6165B, 9715B to WONA.  
 0700-0720 11720L, 15235L, 17700L to W AF.  
 0730-0825 9715B, 9770B NZ/Aust/Pac.  
 0830-0925 9715B to Australia.  
 more on the next page...

LEBANON, RT:  
 0130-0330 11925 RF, AA, BE, SS.  
 1830-2030 15180 BE, AA, RF.  
 2300-0100 15180 RF, AA, SS.  
 start of transmission. Yajko, Miller.  
 11925 has been hrd. on 11925. Donly

LEBANON, Zilmer, Zilmer.  
 These freqs are 2 BE & 2 Jd.  
 11815, 15105.  
 1900-1930, 2000-2030, 2100-2130 9585,  
 11815.  
 1800-1830 9505, 9585, 11815.  
 1530, 1600-1630, 1700-1730,  
 1300-1330, 1400-1500, 1500-  
 1000-1100, 1100-1130 9505, 9585, 15195.  
 0800-0830, 0900-0930 9505, 15195, 17795.  
 0500-0630 9700, 0730, 9505, 17795, 17880.  
 0600-0630 9500, 15310, 17880.  
 15310, 17880.  
 0200-0230, 0300-0330, 0400-0430 15105,  
 0100-0130 15310, 17880, 17755.  
 15195, 17795.  
 0000-0030, 2200-2230, 2300-2400 9585,  
 15195, 17795.  
 General Services:  
 To N & S Am/Hawaii.  
 min Jd, 60 min BE, 30 min SS)  
 0100-0300 15195, 17725, 17825, 21640(30  
 2345-0045 15270, 17825 to N America.  
 JAPAN NHK, BE to 3 Feb 79  
 Fraser, Harhart, Johnson, Rzepka.  
 Angeloni, Blom, Coleman, Dalton  
 2200-2225 5990, 9710, 11905 to Japan.  
 2025-2045 6050, 7290, 9575 to Gt. Britn.  
 1935-1955 6270, 7290, 9575 to Gt. Britn.  
 0425-0440 6075, 7275 to Mediterranean.  
 0350-0410 9630, 9710, 11905 to S Asia.  
 0100-0120 6010, 9575 to NA.  
 ITALY, RAT, BE to February 79:  
 0100-0120 6010, 9575 to NA.  
 0350-0410 9630, 9710, 11905 to S Asia.  
 0425-0440 6075, 7275 to Mediterranean.  
 1935-1955 6270, 7290, 9575 to Gt. Britn.  
 2025-2045 6050, 7290, 9575 to Gt. Britn.  
 2200-2225 5990, 9710, 11905 to Japan.  
 Angeloni, Blom, Coleman, Dalton  
 Carrier, Snyder.  
 JAPAN NHK, BE to 3 Feb 79  
 Fraser, Harhart, Johnson, Rzepka.



NETHERLANDS, continued

0950-1020 11930L, 5955L, 6045L, 7240L,  
 1350-1420 5955L, 6020L, 6045L, 8995L,  
 9095L to Europe.  
 1430-1525 11740M, 1785M to S&E Asia.  
 1830-1920 6020M, 11730M, 17700L to  
 C&S Africa.  
 2030-2120 11730M, 11740M, 15220L,  
 17810S, 26140B to W&C Afr.  
 L-Holland, M-Madagascar, B-Bonair,  
 Benjamtn, Boehm, Dekoyer, Earhart,  
 Snyder, Vollrath, Wong, Yajko.  
 NEW ZEALAND, RNZ, EE:  
 To Australia 0745-1030 6105.  
 To Pacific 0300-0515 15280.  
 0530-1030 6105, 1800-2105 11960.  
 1800-0245 15345, 2115-0730 17860.  
 Coleman, Donly, Oakley.

0600-0855 7255 W Afr, 11900 E Afr/M East,  
 15120 Eur/Medit.,  
 1530-1700 7255 W Afr, 11770 C&S Afr,  
 15120 E Afr/M East.  
 1800-1930 7275 W Afr, 11770 C&S Afr,  
 15120 Eur/Medit.,  
 15120 Eur/Medit.,  
 Zelasako.

NORWAY, RN, EE to 3 March 79:  
 1400-1430 17840(N&C Am).  
 1600-1630 15175(WCNA), 17215(N&C Am).  
 1800-1830 11895(N&C Am).  
 2200-2230 9690 & 9645(N&C Am).  
 Monday  
 0000-0030 6015 & 9590(N&C Am).  
 0200-0230 6005(N&C Am), 9590(N Am),  
 9645(WCNA).  
 0400-0430 6015(N&C Am), 9550(WCNA).  
 0600-0630 9645(WCNA).  
 Greiner, Earhart, R. Johnson,  
 Moller, Snyder, Wong.

PHILIPPINES, F&BC, EE:  
 11850 @ 0800-1100, 11855 @ 0000-0045.  
 11765 @ 0800-1000, 11890 @ 2300-2400.  
 15395 @ 0045-0500, 15470 @ 1245-1515.  
 15450 @ 2300-2400, 17810 @ 2340-0500.  
 21515 @ 2300-0500. Snowden.

R Veritas, EE from 5 Nov:  
 0000-0030 11225, 15275, 17210 S Asia.  
 0300-0330 15165, 15260, 17210 SE Asia.  
 1130-1200 9590, 11805, 15165 S Asia.  
 1300-1330 9590, 11955, 15165 SE Asia.  
 Donly, Lobdell, Miller.

PORTUGAL, RP, EE:  
 0300-0530 6025, 11935 N America.  
 0500-0530 6025, 11935 N America.  
 1400-1430 17895 India.  
 1600-1630 17895 India.  
 1800-1830 15340, 17880 Africa.  
 1700-1730 15340, 17880 Africa.  
 2030-2100 6025, 9740 Europe.  
 Earntz, Schwartz.

ROMANIA, R Bucharest predests in EE  
 to NA @ 0130-0230 & 0400-0430 on  
 5990, 6155, 9570, 9690, 11705, 11840, &  
 11940. Off air by Earhart.

SOUTH AFRICA, RSA, EE chngs from Nov:

0156-0250 drop 5985 add 1515.  
 0255-0426 add 1900.  
 1056-1156 add 1515.  
 Brodsky, Ewing, Zilmer.  
 SPAIN, SFR, from sked dated Oct:  
 0000-0200 & 0515-0615 9630, 11880 to  
 N America & Canada.  
 2030-2230 7155, 9505, 11840 to Europe.  
 Earhart.  
 SWAZILAND, Trans World R, EE:  
 0425-0615 6070, 9590 to S Africa.  
 0630-0905 7215, 11760 to S Africa.  
 1625-1900 5055 to S Africa.  
 1900-2105 3275, 5055 to S Africa.  
 Send reports to: TWR, Box 64, Manzini,  
 Swaziland.  
 Swaziland.  
 Buhagiar.

SWEDEN, RS, EE to 4 March 79:  
 0030-0100 11905 NA.  
 0230-0300 9695, 11705 NA.  
 1100-1130 9630 Eur, 21690 Aust/NZ.  
 1230-1300 11935 E Afr, 21690 Africa.  
 1400-1430 21505 NA, 21700 S Asia.  
 1600-1630 6065 Eur, 15240 M East.  
 1830-1900 6065 Eur, 15240 Africa.  
 2100-2130 9605 M East, 11845 Africa.  
 2300-2330 9695, 11705 N America.  
 DeKoyser, Erikson, Greiner, Swenson,  
 Earhart, & Wong.

THAILAND, HT, predests on 11905(50 KW),  
 & 9655(100 KW) @ 2330-0155, 0415-  
 0515, & 1055-1155 in EE(Wild NX Svc).  
 If on same freqs @ 1430-1450.  
 Peters.

TURKEY, V of Turkey, EE thru Dec:  
 1200-1300 15125 to N East,  
 2130-2300 6185 to M Afr, 2170 Eur,  
 9515 U.S., 11955 Europe.  
 Buhagiar, Ewing, Fraser, Watts, Yajko.

U.S.S.R., R Moscow, EE to Jan 31:  
 N American Svc: 2300-0200 5940,  
 7100, 7110, 7160, 7190, 7200,  
 7400, 12050, 15140, 15180,  
 17450, 17720.  
 0200-0300 5940, 7100, 7110, 7160, 7190,  
 7200, 7260, 7440, 9700, 9760,  
 15140, 15180.  
 0300-0400 5940, 7110, 7160, 7190, 7200,  
 7440, 9700, 9760.  
 Page - Coast Svc: 0330-0530 5900, 6150,  
 7170, 7260, 9580, 9610, 9730,  
 0530-0730 5900, 6150, 7170, 7260, 9580,  
 9610, 9730. Yajko.

NOTE - This is the last column from  
 Anderson, Indiana. From now on, send  
 all skeds to the KS address. I am now  
 a Kansas U. student (wow). Don't for-  
 get, if you want your skeds back,  
 include return postage. Thankx.  
 Mucho thanks to 49 reporters! Keep  
 up the great work. By the time you get  
 this thanking will be gone, but I  
 wish all of you a very Merry Christ-

mas, and C U N 30.....  
 Oh

- \*ZAP Work (simplex, duplex, mux, sb)
- \*ZAO CAN'T UNDERSTAND VOICE, USE CM
- \*ZAN Transmit only msgs of above or higher precedence.
- \*ZAM WE CAN RECEIVE ABSOLUTELY NOTHING
- \*ZAL Closing down due to
- \*ZAJ Alter your wavelength
- \*ZAV Have been able to break you
- \*ZAI Run (foxes, rts, mxrs, etc.)
- \*ZAH Unable to relay. We file.
- \*ZAF Repointe circuit by patching via
- \*ZAE Unable to receive you. Try Not held
- \*ZAD Signal (1) Not understood (2)
- \*ZAC Cease using speed key
- \*ZAB speed key improperly adjusted
- \*ZAA YOU ARE NOT OBSERVING
- \*ZAD Last word sent (rec'd) was:
- \*ZAR Revert to automatic relay
- \*ZAS Re-run tapes run on space
- \*ZAT Punching tape for xman
- \*ZAV Send blind until advised
- \*ZAW Send on (kHz)
- \*ZAX You are causing interference
- \*ZBA Cause of delay is
- \*ZBD Following was sent (time)
- \*ZBE Retransmit msg # to
- \*ZBG You are sending upper case
- \*ZBH Make call before xmtr tlc
- \*ZBI Listen for telephony
- \*ZBL Do not use break-in
- \*ZBM Put (speed on) this freq
- \*ZBN Break & go ahead with new slip
- \*ZBO I have tlc
- \*ZBP (1) Characters indistinct
- (2) Spacing bad
- \*ZBQ When & on what freq was message received?

Z-CODE

\*ZAD Last word sent (rec'd) was:  
 \*ZAR Revert to automatic relay  
 \*ZAS Re-run tapes run on space  
 \*ZAT Punching tape for xman  
 \*ZAV Send blind until advised  
 \*ZAW Send on (kHz)  
 \*ZAX You are causing interference  
 \*ZBA Cause of delay is  
 \*ZBD Following was sent (time)  
 \*ZBE Retransmit msg # to  
 \*ZBG You are sending upper case  
 \*ZBH Make call before xmtr tlc  
 \*ZBI Listen for telephony  
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 \*ZBM Put (speed on) this freq  
 \*ZBN Break & go ahead with new slip  
 \*ZBO I have tlc  
 \*ZBP (1) Characters indistinct  
 (2) Spacing bad  
 \*ZBQ When & on what freq was message received?

JIM BOEHM-TX has sent us an excellent consolidated list of commercial and military Z-Signals which we'll print in this space in installments, with the first installment below:

**Z-Signals:** As stated here before, we'd like to make our Z-Signal list as comprehensive as possible. We've received several lists, but are still looking for others, particularly foreign commercial and military Z-Codes, so if you can furnish such lists, or even just fragments of such lists, please forward them to the Ute Report.

**NEW EDITION OF THE SPEEDX UTILITY GUIDE:** The SUG has always been printed primarily on the SPEEDX Utility Report readers and contributors for the material that comprises this foremost aid to utility DXers. As preparation begins for a new edition, we hope you will send in any material you consider appropriate. Let us have your comments, criticisms & corrections of the old SUG. What areas you think need more coverage, etc. For improvement of the SUG, what areas you think need more coverage, etc. and any additions you would like to see made to it. And of course updated addresses, frequencies, and QSL policies are always welcome for the station address section, and NEW STATION data for this section is especially welcomed!

**LOHAN (Long Range Aid to Navigation):** The use of Loran A will be completely discontinued as of Dec. 31, 1978 according to a recent Notice to Mariners issued by the Boston Coast Guard. The last LOHAN A stations cover the North Atlantic. Only channel 1 (1950kHz) & channel 3 (1900kHz) are currently in use. Loran A sounds like an extremely fast pulser. It is being replaced by LORAN C, which operates on the 90-110 kHz band. Its sound on your rx will be similar to that of LORAN A but somewhat faster, and is more accurate and has greater range than LORAN A. There is also a LORAN D which may or may not be in current use. The chief difference between C and D is the number of pulses: LORAN C has an envelope containing groups of 8 pulses, while the D envelope has groups of 16 pulses. It is now expected that all LOHAN will be replaced by a satellite navigation system by the early 1980s. (BOB FRASER-MA)

Editor:

KEN COMPTON  
 7 Mount Vernon Street  
 Brighton, MA 02135

Deadline: 15th

UTILITY

REPORT

DEPARTMENT OF THE NAVY  
 U.S. NAVAL COMMUNICATION STATION BALBOA  
 FPO NEW YORK 09580  
 IN REPLY REFER TO: 26 JULY 1978

Mr. Hiroshi Saito  
 107 Nakakasugai  
 Matsudo City  
 Chiba - Pref. Japan

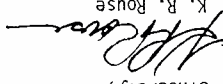
Dear Mr. Saito:

This is in response to your request for verification of a reception report.

Your report is accurate. This station was transmitting on 8614 KHZ at 1000 GMT on 19 May 1978. This frequency is used by the Commercial Section in communication with merchant ships transiting the Panama Canal.

The transmitter used is an AN/FRT-83 which operates at 1 KM (PEP) utilizing a Conic Monopole omni-directional antenna.

Thank you for your report and best DX.

Sincerely,  
  
 K. R. Rouse  
 RMCs USN  
 Tech Control Officer

\*ZBR Shall I send by (method)?  
 \*ZBR Break circuit. Returning.  
 \*ZBS Burring signals (1) Dots heavy (2) Dots light  
 \*ZBT Count as Groups  
 \*ZBU Report when in communication with  
 \*ZBV Answer on whz  
 \*ZBW I shift (or ask ) to (kHz)  
 \*ZBX Pull back your tape one yard  
 \*ZCA Circuit affected. Make readable  
 \*ZCB Circuit broken. Signal unheard  
 \*ZCC Colate code  
 The next installment will include ZDE through ZIF.  
 HEB, BERNE R. NEW FRQ LIST: JOOPB DENISSBN-HOL, frequent contributor to the Ute Report, has sent this latest list of frqs for HEB, Radio-Subase SA, Berne, Switzerland. (Joost is the new utilities editor of West Germany's WWDXC DX Magazine.)  
 CW: 4259, 8601.5, 13023.7, 16863.7, and 22344.5  
 SSB: 4379.1 (HEB14) 8811.9 (HEB38) 17253.9 (HEB17) 22692.1 (HEB62)  
 4428.7 (HEB18) 13103.9 (HEB13) 17276.3 (HEB27)  
 8784 (HEB19) 13181.4 (HEB23) 17235.9 (HEB37)  
 8790.2 (HEB28) 13190.7 (HEB33) 22636.3 (HEB52)  
 Joost also reports that the Amsterdam PTT is now using a satellite for its relay to the RN Madagascar site & that the Netherlands PTT will be using the new Spain-Venezuela cable for its relay to Bonaire.  
 USCG AIRCRAFT ASSIGNMENTS: A letter from USCGAS San Francisco (NOB) to GEORGE BRICK-IX says that all of their fixed wing aircraft have been relocated to CGAS Sacramento, mailing address: Commanding Officer U.S. Coast Air Station Sacramento, Mclellan AFB, CA 95652.  
 H3130H - #1452, #1453, #1454, and #1503.  
 Airt currently assigned Sacramento: HU16E - #7243, #7247, #7249;  
 #1374, #1450.  
 Airt currently assigned USCGAS San Francisco: HH52A - #1355, #1372,

LEAP SECOND FOR 1978: JOHN CERGHINI-TX reminds us that again this year National Bureau of Standards Stations WWV, WWVB, and WWVH will insert a leap second as the final second of 1978. Attempts by various date fixers to elicit a verification for Dec. 31 at 2359 and 61 seconds have always been unsuccessful in the past, but some persistent soul will probably sometime manage it so if anyone pulls it off this year be sure to let us know next year! Early!

ALASKA: NOT USCG Kodak 8628.5 PFC & 1tr 135d for ms (Forsman-CA)  
BARBADOS: 8PO G&W St. Philip f/d 1tr cd in 14d for IRC (Coleman-MA)  
BRAZIL: PPR48 EMBRAJET Rio 14500 PFC in 2w, IRC returned (Ledlow-TX)  
CANADA: Cambridge Bay Aeradio 8910 date/freq 1tr 15d air for ms (Hall-CA)  
VAI DOT Vancouver 17175 f/d 1tr in 18d for IRC (rtnd) (Saito-JAPAN)  
ECUADOR: HD21A INOCAR 3810 no data 1tr 2id air for IRC (Hall-CA)  
FRANCE: S. Lvs R. 13180 f/d 1tr in 49d for EE rpt 3 IRCs (Repka)  
HONGKONG: 13744 Royal Observatory Kowloon 1tr, freq list & weather booklet in 33d for IRC (Forester-OKINAWA)  
IRELAND: EIP Shannon VOLMET 8833 f/d cd in 2id air for 2 IRCs (Briek-TX)  
PORTUGAL: GU88 Navy Linda-a-Velha 8700 f/d typed card 25d IRC (Forsman)  
TAIWAN: XSX Keelung R. 7777 f/d 1tr/cd 108d surface for EE rpt & 2 IRCs  
ADDRESS: Maritime Coastal Radio Station XSX Keelung R. Keelung, Taiwan  
U.S.A.: WAK So. Bell 171 New Orleans 2598 f/d 1tr 17d for ms (Briek-TX)  
USCGAS Houston 5692 PFC & 1tr in 15d for ms (Briek-TX)  
NORTOLK VA Rescue via NNN 5696 f/d xerox cd 2id for ms (Briek-TX)  
NMN11 USCGAS Otis AFB Cape Cod MA 8984 PFC 10d for ms (Briek-TX)  
KOK IIT Los Angeles R. 6463.5 PFC in 8d for ms (Briek-TX) Address:  
E.O. Box 2027 Gerritos, CA 90701  
WBL IIT Amganest R. NY 8658 PFC in 12d for ms (Briek-TX) ADDRESS:  
E.O. Box 6 Brentwood, NY 11717  
IIT World Communications Inc. f.o. Box 6  
AVA Andrews AFB MD 9018 PFC in 12d for ms (Briek-TX)  
NMN USCG Portsmouth VA 16976 f/d xerox cd & info sheet in 70d for IRC (Saito-JAPAN)  
SHIPS: USCGC "Ingham" NRDL 6506.4 PFC in 16d for ms (Briek-TX) ADDRESS:  
CGC "Clover" NHRK 6506.4 PFC in 11d for ms (Briek-TX)  
P.O. Box 4598 Mt. Edgecombe, AK 99835  
NUNO CGC "Declarer" 6506.4 PFC in 160d for ms (Briek-TX)  
GYSAN Liner "Ortana" 8269.4 1tr & ship card 18d for IRC "Third Largest Passenger Liner in the World" 1.5K (Holbrook-MD)  
U.S.A.: AVE Madril AFB FL 11246 refusal 1tr in 6d for no rp (Bwinn-IL)  
MORE SHIPS: SS "Godfather" WVI-919079 PFC in 30d for ms (Branone-NM)  
"Oceanographer" NOVA Ship 13113.2 1time/freq only handwritten 1tr + ship booklet in 17d for ms (Repka-WI)  
AIRCRAFT: CG#1393 3123kHz PFC in 8d for ms (Briek-TX)  
CG#1394 5692 PFC in 10d for ms (Briek-TX) ADDRESS: United States Coast Guard Air Station Alaska, McKinleyville, CA (Briek-TX)  
CG#1374 5694.5 PFC in 16d for ms (Briek-TX)  
CG#1355 5696 PFC in 7d for ms (Briek-TX)  
CG#1388 5696 PFC in 9d for ms (Briek-TX)  
CG#1437 5696 PFC in 23d for ms (Briek-TX)  
CG#1470 5696 PFC in 23d for ms (Briek-TX)  
CG#1473 5696 PFC in 47d for ms (Briek-TX)  
CG#5800 5696 PFC in 10d for ms (Briek-TX)  
CG#1730 8984 PFC & 1tr in 8d for ms (Briek-TX)  
CG #1 9018 PFC in 18d for ms. VS: R. S. Cross. (Briek-TX)  
STILL MORE U.S.A.: KOK IIT Gerritos CA 8590 f/d 1tr 42d for IRC (Saito-J)  
WNU THE SIBILLI R. IA 8570 f/d cd in 14d for IRC (Saito-JAPAN)  
WOL RCA Lantana R. FL 8486 f/d 1tr in 23d for IRC (returned) (Saito-J)  
STILL MORE SHIPS!  
57AD "World Commander" bulk carrier 12546.6 PFC 34d ms 1K (Holbrook)  
LKHE "Heugh Trader" car carrier 22240 PFC in 38d PFC 1.5K (Holbrook)  
GNBE "Nordic Louisiana" liquid sulphur carrier 1tr assigned by Miss B. Bradshaw, first XL radio officer in British Merchant Marine, & this her first reception report after 8 yrs at sea! Position: 25-42N 86-35W.  
20d for IRC. 300W. (Holbrook-MD) Whoops! Freq was 22230. Ed.  
LDLE "PermaSea" Large duplex carrier, off Durban, South Africa 22230 f/d 1tr in 34d air for IRC. (Hank Holbrook-MD)  
SDAX "BOLMAREN" cargo 22240 QTH: Lokoundz, Cameroon. PFC 26d for IRC (Holbrook-MD)

STILL MORE SHIPS!  
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WNU THE SIBILLI R. IA 8570 f/d cd in 14d for IRC (Saito-JAPAN)  
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CG #1 9018 PFC in 18d for ms. VS: R. S. Cross. (Briek-TX)  
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WNU THE SIBILLI R. IA 8570 f/d cd in 14d for IRC (Saito-JAPAN)  
STILL MORE U.S.A.: KOK IIT Gerritos CA 8590 f/d 1tr 42d for IRC (Saito-J)  
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CG#1730 8984 PFC & 1tr in 8d for ms (Briek-TX)  
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ALASKA:	6506.4	0612	NW USAF Loran Cape Satchel wks NOJ USB(Brick-TX)
CANADA:	1176	0523	AKA USAF Elmendorf AFB OM wks actf SSB(Osterman)
	2998	0473	VON Grindstone CG R. QUE OM EE wks USB(Walters-NJ)
	5098a	0145	CFN Navy Halifax NS NAMS Vmkr CW (Blaise-LA)
	8453	0342	VXA RCAF Edmonton ALB OM EE aéro wks SSB(Kerrigan)
	8223	0223	VAV Ramoth NS CG R. V mkr CW (Connell-MA)
	11835a	2047	CFN Navy Ellershouse NS NAMS V mkr CW (Monjure-LA)
	12874	2300	VAI Vancouver CG R. BC CG mkr CW (Allison-OH)
MEXICO:	13530	1750	PIT Mexico City XL SS wks SSB (Webster-AT)
	12772.5	0150	XUC Vera Cruz R. CG mkr CW (Coleman-WA)
U.S.A.:	2514	0522	MFC Central R/T Rogers City MI wks SSB(Kerrigan)
	2670	0323	NOF St. Petersburg FL USCG OM EE wks USB(Brick-TX)
	4428.7	0450	NNN USCG Galveston TX OM EE tlc USB (Brick-TX)
	4464.5	2312	KEG994 NJ GAF OM EE wks net SSB(Kerrigan-IL)
	4602.5	0200	RIG4474 KIDBY GAR SG CAP wks RED DGB SSB(Stone-OM)
	5519	0530	KW177 Honolulu VOLMET OM EE aéro wks AM(Chinakov-WA)
	5522	0307	WSY77 NY VOLMET OM EE aéro wks AM (Monjure-LA)
	5565	0317	NAM USN Norfolk VA CG-V mkr CW (Monjure-LA)
	5696	0158	USCGAS Sacramento OM EE wks #1454 USB(Brick-TX)
	6506.4	0545	NNN USCG Portsmouth VA OM EE wks SSB(Kerrigan-IL)
	8868	0336	WSY77 OM EE VOLMET NYC aéro wks AM (Boehm-TX) 0917
	8967	0058	AFE Andrews AFB MD wks Navy 49676 LSB (Dendondorf)
	8989	0315	AFI McCallan AFB CA OM wks Alder 78 USB(Hrtak)
	9018	0050	AFE Andrews AFB MD OM EE wks "Goodrich" (Dendondorf)
	11201	1817	NOE USCGAS North Bend OR OM wks #1426 (Dendondorf)
	12839a	2305	WFA RCAF Fort Arthur TX V mkr CW (Allison-OH)
	12844.5	0315	KFS IIT Falco CA V mkr CW (Coleman-WA)
	12942a	2246	WMH RCAF Baltimore MD V mkr CW (Allison-OH)
	13272	0700	WSY77 NYC VOLMET OM EE aéro wks AM (Proom-ENGLAND)
	15518a	1932	MCC RCAF Chatham MA V mkr CW (Dawson-CA) This freq doesn't look right. Arch-not in a marine band.-ED.
	19721	2017	VOA Greenville NC RR leader to Munch AM(Dawson-CA) 2030 same//15230 (Blaise-LA)
	20610	1645	KW21 Smithsonian Astrophysical Observatory Cam-bridge MA OM EE wks Natal Brazil LSB(Russell-IL)
	22577	2250	RPH RCAF San Francisco CG mkr CW (Hrtak-IL)
	8498	1051	MTO Mobile Martine R. Inc. AL V mkr CW (Sato-J)
	16976	0007	NNN USCG Portsmouth VA CG mkr CW (Sato-JAPAN)
	9278.5	0132	NO42 USCG Loran Monitor OM wks Gabe Race USB(Ehret)
	11320	0042	Santo Domingo Aeradio OM SS wks Lt. 901(Stein)
	2182a	1620	GLN653 IRTS Havana V mkr CW (Russell-IL)
	13765	1205	NAM36 AACR OM EE wks USB (Osterman-OH)
	8765.2	0325	FPF2 PTT Port de France CG mkr CW (Hrtak-IL)
	16960a	1015	FPF French Navy Fort de France V mkr CW(Sato-J)
	8945	0412	WV3 San Juan Aeradio OM EE wks Santa Maria Aeradio USB (Pitzgerald-RI)
COSTA RICA:	8478	0128	TIM R.C. Limon R. CG mkr CW (Allison-OH)
	8502	0155	PPL4 EMBRAER Belim CG mkr CW (Hrtak-IL)
	12842a	0200	FPD EMBRAER Olinda R. CG mkr CW (Coleman-WA)
	17162	0045	FPD EMBRAER Olinda R. CG mkr CW (Hrtak-IL)
	8652.5	0948	PZN IIT Paramaribo R. CG mkr CW (Boehm-TX) 2020
	12750	0144	GVA D.G.T. Gerrito R. V mkr CW(Pitzgerald-RI)
	6100	0426	YLTO Observatorio Cagagal time tick CW(Osterman)
VENEZUELA:	6100	0426	EUROPE
	5610	0450	Santa Maria Aeradio OM EE actf tlc USB(Proom-ENG)
CZECHOSLOVAKIA:	370	0325	OLBS Astro Inst Prague time tick CW(Walters-NJ)
DENMARK:	12329.5	0314	OVG Dan. Navy Frederikshavn V ZHR mkr (ZHR-QSX)
ENGLAND:	2182	1444	Northoreland R. wks Dover Lifeboat Sta AM(Proom)



ENGLAND:2890a 0322  
 GYA Whitehall Naval R. London ID GSX mkr CW (Walters)  
 0406  
 GKB BPO Portsmouth R. ID mkr CW (Blaise-LA)  
 4274  
 0411  
 GRC BPO Portsmouth R. ID mkr CW (Blaise-LA)  
 4351.5  
 7990  
 BBC Dentley SS feeder LSB (Stein-NJ)  
 0320  
 8569.6  
 GQD BPO Portsmouth R. CQ mkr CW (Connell-MA)  
 0123  
 11200  
 GYU RAF West Drayton OM EE aéro vx USB (Fitzgerald-RI)  
 13987a  
 0200  
 GYU Whitehall Naval R. London ID GSX mkr CW (Ireland)  
 13987a  
 0403  
 FRS PTT S. Lvs R. CQ mkr CW (Blaise-LA)  
 4360  
 0415  
 HAN Navy HQ Paris V mkr CW (Blaise-LA)  
 6348  
 2110  
 HAN Navy HQ Paris V mkr CW (Goldeman-MA)  
 14685  
 0215  
 Innt'l I Network Paris OM RF/EE vx USB (Ireland-TN)  
 0300  
 0700  
 DIX NATO Sparta Attika V mkr CW (Thompson-NM)  
 0145  
 GZA BRNW Neuen time tick CW (Proom-ENGLAND)  
 0413  
 DAF BF Norddeich R. V mkr CW (Hrtvark-IL)  
 0702  
 GYU BHN ID GSX mkr CW (Boehm-TX)  
 0413  
 PCH50 PTT Scheveningen R. CQ mkr CW (Blaise-LA)  
 12678  
 2244  
 PCH50 PTT Scheveningen R. CQ mkr CW (Boehm-TX)  
 0318  
 ID88 Navy Home V mkr CW (Walters-NJ)  
 8690  
 1016  
 PTT Reykjavik R. CQ mkr CW (Boehm-TX)  
 2336  
 EIP Shannon Aeradio OM EE VOLMET AM (McGurley-MD)  
 1717  
 EIP Shannon VOLMET OM EE aéro vx AM (Ya,jko-PA)  
 1430  
 PTT Reykjavik OM EE/Icelandic vx USB (W.Smith-MA)  
 0020  
 IRM Home Medical R. V mkr, tlc CW (Goldeman-MA)  
 0013  
 SPE PTT Szecein R. ID mkr CW (Connell-MA)  
 0207  
 SPE PTT Szecein R. tlc list & CQ mkr CW (Fitzgerald)  
 0123  
 CUI7/8 CPBM Lisbon CQ mkr CW (Allison-OH)  
 0334  
 EBA Navy Madrid V mkr CW (Goldeman-MA)  
 0345  
 AOK USN Rota W/NAVLCMP multilink mkr CW (Boehm-TX)  
 7705  
 8682  
 EAVJ ETINE Aranjuez R. CQ mkr CW (Allison-OH)  
 0217  
 Bajas Aeradio Madrid vkg Iberia 901 OM SS (Stein-NJ)  
 0041  
 11320  
 U.S.S.R.:12160  
 1800  
 HAD25 Moscow R/L YL EE vx AM (Proom-ENGLAND)  
 1920  
 Moscow R/L YL EE vx AM (Ireland-TN)  
 0602  
 KMS78 U.S. Embassy Nicosia QRA mkr CW (Salto-JAPAN)  
 CONGO: 6617  
 0447  
 Brazzaville VOLMET OM RF aéro vx AM (Osterman-OH)  
 13042.5  
 DJIBOUTI:13042.5  
 FUV French Navy Dib City V mkr CW (Thompson-NM)  
 5260  
 0221  
 IUR52 INTELCI Abidjan YL RF/EE vx SSB (Osterman-OH)  
 11560  
 0705  
 INTELCI Abidjan YL RF/EE vx SSB (Link-GA)  
 0213  
 ITPoli Aeradio OM EE vkg Galdenston 215 SSB (Osterman)  
 8959  
 LIBYA: 8959  
 MADIRA:6393.5  
 0140  
 CUB CPBM Funchal CQ mkr CW (Thompson-NM)  
 8882  
 NIGERIA:8882  
 0543  
 FIR Dakar Aeradio OM EE vkg Scandinavian 955 (Grannone)  
 0225  
 8992  
 0225  
 FM French Navy Dakar-Hann R. V mkr CW (Goldeman-MA)  
 0327  
 Boehm-TX 0320 (Hrtvark-IL)  
 1755  
 6RE815 TELESENEGAL YL RF/EE vx USB (Russell-IL)  
 16955a  
 0005  
 6W French Navy Dakar-Hann R. V mkr CW (Salto-JAPAN)  
 17068a  
 2343  
 FUX Fr. Navy La Possession FAVE V mkr CW (Salto-J)  
 0012  
 2344  
 Cape Naval R. XXX-ID mkr CW (Connell-MA) (Allison)  
 8686  
 Z8C FMG Capetown R. CQ mkr CW (Trochimczyk-FRG) 0110  
 SAO TOM:18380a 0733  
 CQR55 GYL V mkr CW (Salto-JAPAN)  
 AFGHANISTAN:18640 0650  
 YAK Kabul R. V mkr CW (Proom-ENGLAND)  
 0320  
 8448  
 BAHRAIN:8448  
 0320  
 8490  
 X3Q Canton R. CQ mkr CW (Hardester-OKI)  
 1459  
 X3G Shanghai R. CQ mkr CW (Hardester-OKI)  
 8514  
 X3Q Kwangchow R. (newCC-EUROgraphy) CQ mkr CW (Salto)  
 8600  
 X3V Tientsin R. CQ mkr CW (Salto-JAPAN)  
 1135  
 X3Z Dairen R. CQ mkr CW (Salto-JAPAN)  
 1108  
 X3Y Teankong R. CQ mkr CW (Salto-JAPAN)  
 17231a  
 HONGKONG:19265  
 0145  
 ZEN91 C&W YL EE vx USB (Ireland-TN)  
 8674.4  
 INDIA: 8674.4  
 8000  
 JAPAN: 8000  
 1510  
 JYJ Times station, dips CW (Thompson-GA)  
 8903  
 JVA Tokyo VOLMET OM EE aéro vx AM (Russell-IL)  
 10000  
 1528  
 JYJ Mincom Tokyo YL EE time sigs AM (Thompson-NM)  
 13296  
 JVA Tokyo Aeradio OM EE vkg Jagan Air 71 AM (Russell)  
 16900a  
 0235  
 JDB KDD Nagasaki CQ mkr CW (Fitzgerald-RI)  
 16988.5  
 0241  
 JDC NTRK Choshi R. CQ mkr CW (Fitzgerald-RI)  
 17166.5  
 JCT Nippon Ikt Choshi R. CQ mkr CW (Fitzgerald-RI)  
 8472.5  
 1430  
 HIG Mincom Seoul CQ mkr CW (Conway-MWI) (Hardester-OKI)  
 8484.2m  
 1445  
 HIF Mincom Seoul CQ mkr CW (Hardester-OKI) (Conway-MWI)

8635 1357 HLTW Min Com Seoul CQ mkr CW (Forman-CA)  
 12917.5 0645 HLTW Min Com Seoul CQ mkr CW (Fitzgerald-RI)  
 17130 0247 HLTW Min Com Seoul CQ mkr CW (Saito-JAPAN)  
 1759 1759 ODR PTT Beirut V mkr CW (Forman-CA)  
 MALAYSI:8698 1346 9MG Pengang R. CQ mkr CW (Forman-CA)  
 PAKISTAN:13014.5 0305 ASK PTT Karachi CQ mkr CW (Thompson-NM)  
 17093.5 0205 AGPA Navy Karachi V mkr CW (Thompson-NM)  
 PHILIPPINE:8588 1406 DZG Lae Pines R. ID mkr CW (Forman-CA)  
 1255 9VG STA CQ mkr CW (Thompson-NM) 1342 (Forman-CA)  
 SINGAPORE:8709 1570 9VF204 S.T.A. YL EE WA SSB (Osterman-OH)  
 0150 1407 T1WAN: 8582 TBA Navy Ankara R. CQ mkr CW (Forman-NM)  
 0210 8447 TCR DBTAO Tophane Kulest R. CQ mkr CW (Connell)  
 17021.6 0448 TAP PTT Istanbul R. CQ mkr CW (Fitzgerald-RI)  
 USR: 8614 0312 UHL Westabotol R. CQ mkr CW (Connell-NA)  
 8918 0028 Teakmet VOIMET XI RR aero wx AM (Trochimczyk-FRG)  
 1004 2236 RKM Mincom time tick & CQ ID (McGurey-MD)  
 VEPMAN:8590 1215 XVS DEPT Ho Chi Minh-Ville R. CQ mkr CW (Thompson-NM)  
 OCEANIA  
 VNG Telecom Australia Lyndhurst time tick (Yako-PA)  
 1200 1418 VHP Navy Canberra V mkr CW (Forman-CA)  
 1532 10017 SYdney VOIMET OM EE aero wx AM (Thompson-CA)  
 0435 13205 XKH HAAR Tomsville OM EE CIG Sydney USB (Russell-IL)  
 16918.5 0412 VHP RAN Canberra V mkr CW (Fitzgerald) 1555 (Blaise-LA)  
 0545 0545 ZPD DPKT Suva R. CQ mkr CW (Herklmer-NY)  
 16717.8 0255 NMO USCG Mahiwa CQ mkr CW (Fitzgerald-RI)  
 NEW ZEALAND:8598.5 1402 ZLO Navy Inangit ID mkr CW (Forman) (Blaise-LA)  
 17188 0252 ZLZ 4/5/6 RNZN Inangit V mkr CW (Fitzgerald-RI)  
 NZCM Mac Ctr Williams Field YL CIG XDR (Russell-IL)  
 0423 13251 NZCM Mac Ctr Williams Field YL CIG XDR (Russell-IL)  
 0622 15480 NZOT Scott Base OM EE Wellington NZ USB (Russell-IL)  
 1250 4636 "011 Rtg #8" OM EE Wkg und sta. QTH? Caribbean? (Mappin-WA)  
 1250 5425a LBA V mkr CW City? Agency? (Walters-ND)  
 6525a 0105 WCM Tlver sta wkg barge near Baton Rouge LA USB (Fitzgerald)  
 1415 HLTW CQ mkr. Korean coastal, where? CW (Forman-CA)  
 1428 HLTW CQ mkr CW - same question CW (Forman-CA)  
 12328a 0210 "U" beacon with short coded freq at irregular intervals. At  
 end of last xmen of code, "UUUU" & beacon resumed (Bohm-TX)  
 14782m 1116 KVI9Ø QRA mkr. Embassy? City? CW (Saito-JAPAN)  
 13685a 0625 OM EE WA: Long count, short count & "This is CBS calling,  
 this is CBS calling you. This phone is for your receiver  
 tuning. X2. Please tune four rx. X2. Address? AM (Forman-ENG)  
 1530a 0400 "SNSN" beacon-type sig ev 30 sees approx CW (Peltt-IW)  
 20089 1737 N4XK OM EE Wkg Natal, Brazil USB (Russell-IL)  
 22125a 1715 KHT OM EE Wkg KFFE "Gloria grand tale" cargo SSB (Brick-TX)  
 SHIPS  
 2100a 0140 USS "Virginia" OM EE Wkg Norfolk Marine SSB (Stone-ONT)  
 2182 "Atlantic 2" North Sea oil rig wkg Stonehaven AM (Forman-ENG)  
 2390a 0352 USS "Charles F. Adams" wkg Jacksonville NJ USB (Brick-TX)  
 4407 0610 "Canada Princess" liner YL EE tte thru WOU USB (Brown-IL)  
 6506.4 0250 USCGC "Lanier" OM EE Wkg Kodiak AK USB (Brick-TX)  
 0333 NRDC USCGC "Campbell" OM EE Wkg San Fran USB (Blaise-LA)  
 0430 CQC "Butterwood" OM EE CIG Honolulu USB (Brick-TX)  
 0608 CQC "Rush" OM EE Wkg Kodiak CG USB (Brick-TX)  
 8365.5 2332 SPQU "Kochanowski" cargo CIG SPH CW (Connell-MA)  
 2344 gPNU "Zealandic" sig XKB CW (Connell-MA)  
 8371 0301 LTND "Spinnaker" CIG LTN CW (Connell-MA)  
 8370 0303 OYDS "Willcord" CIG LBS CW (Connell-MA)  
 10800 1630 "Alpin Pass" supermarker wkg KMT OM EE USB (Miller-CA)  
 12322a 0319 HKMY "Zimbarova" wkg SFE CW (????-??)  
 12338a 0650 HNS "Hobart" RVN near HI OM EE Wkg Sydney USB (Russell-IL)  
 12400m 0200 HSS "Conquest" MVLV2279 OM Wkg WOU USB (Grandone-NM)  
 12546.5 1832 ABWL "Atran Venus" CIG URB CW (Connell-MA)  
 Please put last name & state on each & every logging  
 12555 0216 GWTU "Seabrain Trenton" cargo Wkg KES CW (A. Mason-ONT)  
 12580 0238 GQME "Texaso Saigon" wkg NBA Balboa CZ CW (A. Mason-ONT)  
 22015.5 1752 GJHE "British Roma" OM EE CIG Forthead R. AM (Russell-IL)  
 22279 0001 GJST "Mororan Bay" cargo Wkg NMG San Fran CW (A. Mason-ONT)  
 22282 0127 JCEG "Nytan Heeler" cargo Wkg JCS Choshi R. CW (A. Mason)

AIRCRAFT

SWAN 27 c/g SICILY (Fope AFB Tac combat control team) USB  
 4756  
 1936  
 (Russell-IL)  
 0455  
 Springbok 209 OM EE Wks Shannon AIC USB (Proom-EN  
 AIR FORCE TWO OM Wks Andrews patch to SAM CommandUSB(Russell)  
 0248  
 6730  
 AIR FORCE ONE OM Wks AFA patch to AF Ops USB (Russell-IL)  
 2242  
 6735  
 Korean Air 981 OM EE Wks Cambridge Bay AM (Russell-IL)  
 0249  
 8910  
 Northwest 9 OM EE Wks Tokyo Aeradio USB (Unruh-CA)  
 0700  
 8854  
 KIM770 San Juan Aeradio OM EE USB (Fitzgerald-RI)  
 0302  
 8959  
 Somali 403 OM EE CIG Mogadiscio Aeradio AM (Russell-IL)  
 2230  
 8967  
 MAC60190 OM EE Wks Hickam AFB HI USB (Unruh-CA)  
 0330  
 MAY 8336 OM EE Wks Yokota USB (Unruh-CA)  
 0820  
 Lobo 857 OM EE Wks Scott patch to N. Island Ops USB(Russell)  
 1800  
 1182  
 Natico 42 Wks VR-58 Ops via Scott patch USB (Russell-IL)  
 2052  
 15015  
 #244 OM Wks Andrews patch to CROWN USB (Stein-NT)  
 1746  
 18019  
 WABA 929 OM EE Wks MacDill AFB USB (Russell-IL)  
 1746  
 3038  
 SPARTAN USB Lexington OM Wks Bakery & Blue goose (Russell)  
 2330  
 4725  
 BAG MAN WKS BEST MAN, DAPPER, EMILY, CROSSFIRE USB(Stone-0)  
 2330  
 6730  
 7 LIMA OM c/g RASPBERRY North Island CA USB (Unruh-CA)  
 0020  
 8964  
 EPO OM EE Wks BRADSHAW USB (Compton-MA)  
 2050  
 9027  
 SAGA ROCK FORWARD OM EE Wks WAR EAGLE 18 USB (Compton-MA)  
 2030  
 1185  
 King 54 OM EE Wks BACKHAND USB (Russell-IL)  
 1722  
 1182  
 ELASTIC @ Egin AFB FL OM Wks COSTLE via Scott USB(Russell)  
 1853  
 1128  
 FIRECAMP OM EE Wks MacDill AFB USB (Russell-IL)  
 2248  
 11228  
 AFBRAST OM Wks WAR2 Mt Weather VA USB (Russell-IL)  
 1605  
 11249  
 Redstone 81 OM c/g any Redstone W/rtc USB (Russell-IL)  
 2130  
 11782  
 BOOKSHELF Thinker AFB OR Wks Bueby, DIZZY, KLONDIKE (Russell)  
 2136  
 13204  
 3060  
 0200  
 YL SS 5-digit Groups AM 11/7/78 (Godbey-FL)  
 YL SS repeat of 3060 xman above AM 11/7/78 (Godbey-FL)  
 Note added by BILL to above: 3060 & 3090 used on hour &  
 H+5 most of the day & evening.  
 YL SS 54330 5-d Groups "Final" @ 011 AM 10/22 (Blaise-LA)  
 4305  
 0300  
 YL SS 4-digit Groups AM (Ireland-IT) 10/22/78  
 YL SS 2 digits repeated over & over AM(Kerrigan+IL) 11/9/78  
 Which 2 digits were they, Pat?  
 YL RE 5-digit Groups AM 10/11/78 (Proom-ENGLAND)  
 4642  
 2110  
 YL SS 5-digit Groups "Final" @ 0408 11/4/78 (Watts-IN)  
 5138  
 0404  
 YL SS 5-digit Groups USB 10/15/78 (Fitzgerald-RI)  
 5765  
 0335  
 YL SS 5-digit Groups AM 11/4/78 (Watts-IN)  
 5780  
 0418  
 YL SS 5-digit Groups AM 11/4/78 (Watts-IN)  
 5800  
 0310  
 YL SS 545 5-d Groups, "Repeat group... AM 11/2/78(Stone-ONT)  
 5810  
 0210  
 YL SS 4-d Groups, "Repeat group... AM 10/20/78(Fitzgerald-RI)  
 5818  
 1110  
 YL SS 5-d Groups AM 9/30/78 (Proom-ENGLAND)  
 6778  
 0615  
 YL SS Attention 740 70 5-d. @0620switched to 6850, then  
 switched back "Final" @ 0623 AM (Watts-IN) Don't understand  
 what happened here, Greg, but vert intrsr---could you spell  
 it out in detail for me? Pat. (11/12/78)  
 YL SS 5-digit Groups AM (Dawson-CA)  
 7342  
 0223  
 YL SS 5-d, "Ende" 0640, "Achtung" & more 5-d 9/30(Proom-ENG)  
 7420  
 0630  
 YL SS 5-d, "Ende" 0640, "Achtung" & more 5-d 9/30(Proom-ENG)  
 7550  
 0801  
 YL SS Attention 711 power cut, down 0R out 0804 (Watts)Date?  
 7858  
 2040  
 YL SS 5-digit AM (Proom-ENGLAND)  
 7910  
 0707  
 5-d #---transpo (CW, but AM sig) "AR VA" @0710, a few test  
 characters, carrier off @ 0711 (11/12/78) (Watts-IN)  
 7996  
 2308  
 YL RE 5-digit Groups AM 11/12/78 (Gorgham-MD)  
 8010  
 0713  
 YL SS 5-digit Groups, usual YL, "Final" 0714 11/12 (Watts-IN)  
 8425  
 0203  
 YL SS long count, "625" then 4-d grs 10/18 AM(Fitzgerald-RI)  
 8875  
 0625  
 YL SS 5-d, different YL "Final" @ 0629 AM 11/17/78 (Watts-IN)  
 8970  
 0215  
 sound like a spy etc, john---prob a NATO aeradio sta.-ED.  
 YL SS 5-d & EE 5-d Groups mixed (Fitzgerald-RI) This doesn't  
 9520  
 0630  
 "usual" YL SS 5-d grs. "Final" @ 0633 10/31/78(Pottit-IA)  
 9970  
 0011  
 YL RE 5-digit Groups, 2 grs AM 10/18/78 (McCurley-MD)  
 10460  
 2330  
 YL RE "India November", 2 grs "268 24" 576 87 5-d AM 10/7(Novello)  
 11272  
 1804  
 YL SS "Achtung" x3, 3 times (Proom-ENGLAND)  
 11616  
 0848  
 YL SS 5-digit Groups USB (Proom-ENGLAND)  
 11915  
 2013  
 YL SS "157 157", "864 37", 5-d Groups, ea gr rptd 10/28(Blaise)  
 NOTE: ALL "spy" etc use either 4 or 5 digit Groups for MESSAGES, thus  
 there are no "3-digit" or "4-d" stations. Groups of other lengths are part  
 of HEADINGS & if you hear these please report exactly what digits they were  
 heard, & also serve other purposes. ---this will be of help in determining which groups of xmins were being

REPORTS

Editor: Bob Donly 7208 Sunview Dr. Columbia, South Carolina 29209  
(deadline 15th of the month)

NOTE! DUE TO A PERSONAL EMERGENCY, BOB WILL NOT BE ABLE TO ASSUME THE QSL EDITORSHIP UNTIL JANUARY. BOB SENDS HIS REGRETS AND WISHES ONE AND ALL VERY HAPPY HOLIDAY SEASON. HE WILL BE WITH YOU NEXT MONTH SO SEND ALL MATERIAL TO THE QTH ABOVE, TO ARRIVE BY THE 15TH OF THE MONTH.

For this month only, the QSL section is being done by your little old publisher at HQS. It's been a number of years since I did a regular column, so please excuse the typos & misprints that might appear. Also, I do not have the time to carefully edit the material. I am simply typing it as it was sent in, so a few errors might be noted. Sorry about that folks! Now, on to the QSLs reported this month.

EUROPE

ALBANIA RADIO TIRANA 7300, time/date/meter band cd "Revolutionaire" in 59 days sfc, no rp. Plus 8 f/rc in 2 yr!(John Fisher MA) Same card in 193 days by registered mail, sfc. 1 IRC. (Randolph Mactris MO)

AUSTRIA ORF 9770, f/d cd "Adams" in 27 days air for 1 IRC. Sked/rc form. Robert Fraser MA) 6/15/9770, pic of stn in 50d air, no rp. Sent recording. chiet eng re-recorded tape & returned. Lewis Forbes IX)ed note: I hope the many folks who rec personal tape from this OM take the time to drop a line & say "THANKS" for the personal touch!.....d

BELGIUM ORU f/d cd in 36d air. Blue globe with stn logo (Kenneth Clark TN) oops! 6080

BULGARIA RADIO SOFIA 9700, date only cd in 40d air, 1 IRC. v/s Tsankov. pic of Bul-garian Nat'l Bank(Joseph leeman RI)11720 "Alexandre Nevsky Memorial Cathedral" cd in 55d, no rp(john cereghin MD)11750 f/d cds in 29-87d, no rp. "Bachkovo Monastery"(Gordon Bloom NY)(Edwin Stickle NY)(Takaki Ueno IX)(George Link Jr CA)Sofia Blvd "Rouski"(Jim Ashbranner AZ)(Rick Worrel ND)"Pamporov-In the Rhodopes"(Vladimir Cucura PA)

CZECHOSLOVAKIA RADIO PRAGUE 7345, f/d cd "Dumbl'er-Tarva Mts" in 104d air, no rp (Bob Fraser MA)1900 "Hradcany Castle" f/d cd in 121d air, no rp(Joe Pecenka IN) same in 65d, v/s Paul Lerc(Brian Sklarson Sask.)46d air, 3 IRCS. Also sent mags(John Schell SC)

FINLAND RADIO FINLAND 15265, no data cd 26d, no rp. Finnish industry "Glass Indust-ry"(Richard Angeloni NY)

DENMARK (out of order) RADIO DENMARK 15165 cd by air in 20d. view of Radio House aerial tower. Also sent info sheet in EE (Brian Baker IL)

FRANCE RADIO FRANCE INTERNATIONAL 17850, f/d cd in 34d air, no rp. "Maison de Radio France La Service et la tour Eiffel"(Tom Smith FL)21580 "La Conciergere, Notre Dame et la Sainte-Chapelle" cd in 36d. f/d by air for 1 IRC. rpt in FF (Charles Boyd West Germany)"Notre Dame l'Abside" cd in 22d air, no rp(George Link Jr CA)

GERMANY(DEMOCRATIC REPUBLIC) RADIO BERLIN INTERNATIONAL 11890, blue/white f/d cd by air in 45d for no rp. pic of tall buildings (George Link Jr CA)

GERMANY(FEDERAL REPUBLIC) DEUTSCHE WELTE 6185, no data multi-color compass globe cd by air in 60d for no rp. v/s S Mele. Rpt in GG/DD/EE (John Cereghin MD)9545, same cd in 51d air, no rp (Freddy Curtis TN) same cd in 83d, 17780 (Rick Worrel ND)DM logo cd in 5 months, no data, w/letter saying ". no data due to demand.", and asking for people to send self addressed envelope to save time. (Scott Snyder NY) RADIO FREE EUROPE 21745 f/d map card in 4 days! No rp. (Gordon Bloom NY)

GREAT BRITAIN BBC 9580, no data cd in 24d air for no rp. London Bridge scene. v/s D.A.V. Will (Freddy Curtis TN)

GREECE VOICE OF GREECE 9760, plain logo cd in 28d air for 2 IRCS. F/d. (Baxter Hensley IX)11730, same cd in 30d air. 2 IRCS sent(Robert Vajko PA)

ALL REPORTS ARE ASSUMED TO HAVE BEEN SENT IN ENGLISH UNLESS OTHERWISE NOTED.

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HOLLAND RADIO NEDERLAND 9715, f/d cd in 74d air for I IRC. Bl/wh satellite card (Kevin McCurley MD11730, f/d cd, pic of girl in authentic costume. 52 days sfc for 2 IRCs (David Ewing IL)

HUNGARY RADIO BUDAPEST 9585, f/d cd in 58d air, no rp. View of Earth from Space. Note on cd asks "Are you a member of RBWSC?" (Richard Angeloni NY11910, f/d in 23d air for I IRC. cd in blue/black showing bridge & city (David Ewing IL) Yellow bridge card in 60d air for no rp (Gordon Bloom NY15225, f/d RBWSC card in 30d air for no rp (Scott Snyder NY) f/d "bridge" cd in 70d air, no rp. Also sent pennant (Freddy Curtis TN)

MONACO TRANS WORLD RADIO 7105, f/d blue/white map card with TWR relay sites cd in 23d air for 2 IRCs. Sent a brown/white pennant too. (George Link Jr CA) f/d card in 22d air (Charles Boyd West Germany)

NORWAY RADIO NORWAY 15175, f/d "Autumn By The Road Across" cd in 21d air for I IRC cards! (Gordon Bloom NY) 17795, "L'out Fishing" and "Autumn in Norway" cds. f/d in 28d air, no rp. "Beautiful qst's I've seen" (George Link Jr CA) ed note: Anyone who pays \$111 for a VOA pennant... dJ v/s Erling Thokle (Scott Tacoma GA) same card in 44d air, no rp. "one of the most colorful IIRC (Patrick Franzis CT96135, same cd in 32d air for I IRC (Charles Boyd West Germany) 9525.

POLAND POLSKIE RADIO 6095, f/d yellow cd in 27d, no rp. Abstract pic of three runners. 55d plus a badge (Edwin Stickle NY15120, f/d abstract seaside scene in 28d air for no rp. "I get a pleasant typed letter with every qst! Nice people." (Bob Coleman MA) air for I IRC (Scott Tacoma GA)

PORTUGAL RADIO PORTUGAL 11935, f/d painting of 2 women in long dresses cd in 19d ROMANIA RADIO BUCHAREST 9570, f/d cd in 108d air for no rp. Also received pennant for three reports. (Gary Fowler Ont)

SPAIN SPANISH FOREIGN RADIO 9505, f/d cd in 21d air for no rp. Pic of two Spanish girls of Sevilla (Tom Smith FL) 9630, color pics of Santa Maria La Blanca and Homes of Malaga cds. one 73d, the other in 30d. Both f/d by air. Old & new skeds sent (Glen Thompson NM) cd in 64d air w/skcd. Scene of Spanish town (Brian Sklarson Sask) 11880, f/d (Mike Chinakas WA) same cd in 25d air w/no rp for SS report (Leo Zelasko IN) "Houses in Malaga" cd in 51d air (Gordon Bloom NY) 32d air, f/d cd w/pic of Fashions in Baleric Islands Turisticos de Espana (David Brodsky NY)

SWEDEN RADIO SWEDEN 11905, f/d "Linnea Stamp" cd in 17d air, no rp. v/s Antte Benter (John Kegel MD) f/d cd honoring Carl von Linné in 21d air for I IRC (Robert Yajko PA) 17790 same card for no rp in 23d air, v/s Gunilla Giman (Bob Fraser MA)

SWITZERLAND SBC 6135, f/d by sfc in 59d, no rp. 40 years of commercial broadcasting card. v/s J. A. Chisholm (David Jones VA)

USSR NOTE: I have made no attempt to correct either sites or spellings. All are presented as submitted by reporters, as near as I can make out the handwriting. All cards are full data except for those from the Ukrainian SSR, Radio Kiev. All came by air except David Jones' Yerevan card. No return postage was sent by anyone. All reports made in English.

UKRAINIAN SSR Radio Kiev: 7390, Lesya Ukrainka square cd in 46d, 17855 (Gordon Bloom NY) Radio Moscow (Simferopol) 60 year anniversary clock tower cd in 25d (Joe Pencek IN) (Lvov) 60th anniversary clock tower cd in 46d (Gordon Bloom NY) Radio Moscow 1960 Radio Peace & Progress: 11740, orange cd w/sketch of Red Square in 24d (Craig Mallinger NJ) 1917-1977 clock cd in 31d. I have two different clock cds (Brian Baker IL) Radio Moscow 15100, 60th anniversary cd and skcd in 38d (Brian Sklarson Sask) Radio Moscow 15465/11805 (Tbilisi) cd showing birch trees in 33d (Craig Mallinger NJ) Radio Moscow 9530 building on bank of river cd in 36d... 11720 (Khabarovsk) winter scene cd in 30d... 12030 (Nikolayevsk-on-Amur) busy intersection cd in 31d... 12050 (Khabarovsk) 60th anniversary cd in 59d... 15465 (Vinnitsa) clock tower w/60 year cd in 38d (Tom Smith FL)

REMEMBER TO INDICATE USSR TRANSMITTER SITES IF THEY APPEAR ON THE QSL. IF YOU ARE USING A DIFFERENT SOURCE TO DETERMINE THE SITE, PLEASE SO INDICATE ON YOUR REPORT. EVEN IF SITE IS ON QSL, IT'S NO ASSURANCE OF ACCURACY.

USSR HIGH FREQUENCY BROADCAST NEWSLETTER IS A GOOD SOURCE FOR THOSE WHO WISH TO KEEP MORE UP TO DATE ON USSR STATIONS & FREQUENCIES. COST IS \$3.00 FOR 12 ISSUES. WRITE TO: ROGER LEGGE, BOX 232, McLEAN, VA 22101



One more reporter with USSR QSL reports. In fact, 35 of them! All of the following are via GEORGE LINK JR who plays with trains and buys VOA pennants in Southern California. All except the first two are Radio Moscow, 25-75 days to arrive, with 35d on most. All f/d by air, no rp sent.

Armenian SSR, Radio Yerevan: 15180, small white cd. Ubbek SSR, Radio Tashkent: 15460, black cd w/ 2 color scenes of old/new buildings. . . . . 7290 (Moscow) blue/white pic of Office building & Cathedral. . . . . 9530 (Moscow) photo of skyscraper. . . . . 9530 (Vinnitsa) birch tree cd 9665 Ivano Fankovsk/Apt bid w/flowers. . . . . 9710 (Petravovsk-Kamchatka) clock tower. . . . . 11715 (Orsha) red/white/gold 60th anniversary cd. . . . . 12040 (Armvit) red/white/gold 60th anniversary cd. . . . . 12055 (Armvit) same clock tower cd. . . . . 15100 (Khabarovsk) birch trees. . . . . 15100 (Khabarovsk) Office Bld. . . . . 15130 (Vladivostok) street scene. . . . . 15135 (Lvov) birch trees. . . . . 15140 (Riga) 60th ann. cd. . . . . 15140 (Kyazan) Cathedral/office bld. . . . . 15150 (Yerevan) birch trees. . . . . 15150 (Minsk) Cathedral & Office bld. . . . . 15175 (Kengas) clock tower. . . . . 15265 (Kengas) same cd. . . . . 15465 (Vinnitsa) birch trees. . . . . 15480 (Khar'kov) 60th ann. cd. . . . . 15490 (Moscow) same cd. . . . . 17730 (Armvit) same cd. . . . . 17825 (Frunze) same cd. . . . . Why did you do this George? Hi!

VATICAN RADIO 9605, f/d cd by sfc in 38d for 1 IRC. Air view of Vatican Radio Station & antennas (David Ewing IL) 11740, time & freq cd in 57d sfc, no rp. Scene of antenna farm Leo Zelasko (IN) 11740 f/d cd in 31d air, no rp. Angel statue w/antenna tower (Tom Smith FL) 11845, same card in 44d air for 2 IRCs (John Schnell SC) 11845, f/d cd in 20d air for ms. Delivence of St Peter from Prison cd, in Latin. Sked & pennant also sent (David Jones VA) 11845, f/d antenna farm cd in 51d air, no rp (Reddy Curtis TN)

YUGOSLAVIA RADIO BELGRADE 9620, f/d b/w pic of river and bridge cd in 56d air for card w/pic of seascape (Rick Worrel ND)

AFRICA

BENIN/PEOPLE'S REPUBLIC/LA VOIX DE REVOLUTION, 4870, f/d multi-color cd w/Logo-Flag-African scenes in 53d air for 2 IRCs. rept in EE/FF (George Link Jr CA)

CAMEROON (FEDERAL REPUBLIC) RADIO GAROUA, 5010, f/d QSL form letter w/official seal in 7 1/2 months air for 2 IRCs. v/s Ebooz Zame (John Fisher MA)

EGYPT CAIRO 6230, f/d cd for EE letter & cancelled stamps in 181d sfc for no rp. v/s Rita. They sent sked and mint stamps. 4th try in as many years. (John Trout-schold WI) Have to keep after some stations John. Don't you know ANYTHING? . . . . . dJ

KENYA VOICE OF KENYA 4934, time/freq Aerogramme w/pic of broadcasting house & xmtr in 59d air, mint stamp sent. v/s E.I.C. Karen (Winston Kiontz CA)

MOROCCO VOA RELAY 7295, time/freq cd in 7d. v/s Monica Keyes (Vladimir Cucura PA)

NIGERIA VOICE OF NIGERIA 7255, f/d green/white flag cd in 56d. No rp (Leo Zelasko IN) 7255, same card in 38d air, no rp (Tom Smith FL) 7255, same card in 26d air. 2 IRCs were sent, but returned (John "Fly-Boy" Trautschold WI)

SEYCHELLES FAR EASTERN BROADCAST ASSOCIATION 15415, no data yellow map card in 27d air. 3 IRCs (Steven Hagen IL)

SIERRA LEONE SIERRA LEONE BROADCASTING SERVICE 5980, f/d letter (Aerogram) in 26d air for 2 IRCs. v/s H.A. Lynch (Baxter Hensley TX) 5980 same letter in 23d air for no rp. Vert and 'thanks for interest' note (Lewis Forbes TX)

SOUTH AFRICA (REPUBLIC) SABC-SPRINGBOK RADIO 9380, f/d "Industries" cd in 55d air for 1 IRC (Kevin McGurley MD) RADIO SOUTH AFRICA 11900, f/d cd 16d by air. No rp. Malachite Kingfisher cd in color w/st name in bottom right (Charles Bonilla IL) 11900 same cd in 17d air. No rp (George Link Jr CA) 11900 same cd in 19d air, no rp. Also sent pennant & stickers (John Kegei MD)

TUNISIA RADIO/TELEVISION TELEVISION TUNISIENNE 15225, f/d cd in 15d air for 1 IRC Pic of oasis entitled "The Oasis" (Kenneth Clark TN)

UGANDA UGANDA BROADCASTING CORPORATION 15325, f/d letter in 71d air for 1 IRC. Evelyn points out the v/s name is C. A. Kizza Kizito. Others report it as Kizakizito, one name. He signs the cds for Cosma Marugaba, (Evelyn Larson NE) 15325, same 1t in 58d air for no rp (Winston Kiontz CA) same in 28d air, no rp (David Jones VA) same, plus sked air for 1 IRC (John Fisher MA) same in 70d for 1 IRC (Sandy Blaize LA) same in 129d air for 1 IRC (John Kegei MD) 9730 2nd copy of same, plus booklet about UBC (Robert Rzepka WI)

ZAMBIA (REPUBLIC) ZAMBIA BROADCASTING SERVICES 4911, f/d plain white card w/details inked in by hand, 182d air for 1 mint stamp. Note from Peter Musuba (Winston Kiontz CA) 9580, same as above details. 278d air, 1 mint stamp. Note from Peter Musuba "we had temporarily skipped verifying due to other duties". (Winston Kiontz CA)

ASIA

CHINA (PEOPLE'S REPUBLIC) RADIO PEKING 1506, colorful cd "Painting of Red Canal" plus four seasons sked in color. 20d air, no rp (Marjorie Oakley CA) 17680, date/req cd in 20d air, no rp. "Beautiful Yao Mountains" same details on "Red Peony Blossoms" cd (Joe Pecinka IN) same cd in 38d air (Tom Smith FL) "Red Flag Canal" cd in 24d air. Date/req only (Robert Yakko PA)  
CHINA (REPUBLIC) VOICE OF FREE CHINA 11915/15300, f/d cd in 42d air for no rp. (Gordon Bloom NY) 17890 f/d cd in 30d air for 2 IRCS. Color reproduction of Cheng Wen - Kuang painting of horses (Bob Donly SC)

INDIA ALL INDIA RADIO 11810, f/d cd for 1 IRC in 190d air. "Nagi Image Card" (Randolph Macris MO) 9525, f/d "Peacock in Kosatic" cd in 292d air, 2 IRCS (Craig Mellinger NJ) 11775, f/d "Shankaracharya Temple in Kashmir" cd in 236d air for 1 IRC (Craig Mellinger NJ) 17705, f/d color photo of golf players at Gumarig, Kashmir cd in 186d air for 1 IRC. Also sent sked. v/s C.S.R. Rao (Glenn Thompson NM) still getting those cds out in good time  
INDONESIA RRI MANONWARI 6185, prepared card completed with f/d in 30d for Indo rpt and mint stamps. v/s R. Nurhidayat (Bill Sparks CA) RRI PALANGKARAYA 3325, prepared cd completed for Indo rpt and mint stamps in 30d. v/s Magrib Suparman (Bill Sparks CA) RADIO GELORA SURABAYA 3164 (KOTA MADYA SURABAYA) letter & pic postcard, both in EE, plus station fact sheet in Indo and f/d completed prepared card in 30d after follow up. Indo rpt and mint stamps. Stamps were returned. v/s Dr. Indratno and the announcer for the EE service, Hassan Ahmad, who reported that there is an EE program on Monday's from 1530-1700 GMT. Address: Jalan Tambaksari, Surabaya (Bill Sparks CA) Nice going Bill.....d  
IRAO RADIO BACHDAD 1192NMF, f/d cd "Iran Color Map" (do you mean Iraq John?) w/update of languages and sked (just times/LT's, no reqs), cancelled stamps and stick on emblem. This for 2 IRCS and cancelled US stamps in 74d sfc (John "GRAM" Trautchoid WI)

ISRAEL ISRAEL BROADCASTING AUTHORITY 15545, f/d white card w/data one one side and Declaration of Independence on the other. Card printed in Finland. 45d air for 1 IRC (Stan Foraman CA) 11655, same cd in 59d air for no rp (Tom Smith FL) 11655/15485, same cd in 62d air, no rp. Also sent small Shalom from Jerusalem sticker (George Link Jr CA) 9815, same cd in 25d air for no rp, plus sked and rp form (Bob Fraser MA) 942/9009/4710, same cd in 48d air (Stephen Proom Great Britain) 15485 same cd in 59d air for 3 IRCS (John Schenell SC) 9435/9815/15485, same cd in 23d air for no rp, plus current sked (Richard Stein NJ) Welcome back to the GSL world after 15 year hiatus Richard.....d  
JAPAN RADIO JAPAN - NHK 15105, date/req cd in 26d air, no rp. Photo of a doll modeled after court lady of the middle ages playing the 'Koto' (Glenn Thompson NM) 15195, same cd in 30d air for no rp (Lewis Forbes TX) 17825, f/d color pic of water lilies in 16d air plus Radio Japan News (David Ewing IL) NHK OSAKA 3377, date/req, Radio Japan cd in 27d air for 1 IRC (Stan Foraman CA) 17825, f/d cd in 30d air, no rp. 'A lucky pair of Hakata dolls' (Wili Stone Ontario) 15270, f/d, Hakata doll dressed in kimono, cd in 25d air for 2 IRCS. Sked also sent (Richard Schmucker) 21535, date/req cd in 32d air for 1 IRC. Color pic of 'Straw Horse', a toy from central Japan (Charles Boyd West Germany) 17825, same cd in 18d air, no rp. Plus Radio Japan News (Glenn Thompson NM) 17755, same cd in 26d air for no rp (Robert Yakko PA) 17825, same cd in 19d air (Gordon Bloom NY)

KOREA (REPUBLIC) RADIO KOREA 9650, f/d 'National Flag' cd in 26d air, no rp. Also sent pennant and sked. v/s Wong Kyungaha (Gordon Bloom NY)  
MALAYSIA (FEDERATION) RADIO MALAYSIA 4950, f/d color photo of Radio Malaysia build in 22d air for 3 IRCS (Baxter Hensley TX) 11750, f/d 'M11 (Rick Worrel MD) does QSL have site printed/hand written or ??? d for no rp. v/s D.A.V. M11 (Rick Worrel MD) does QSL have site printed/hand written or ??? d  
PAKISTAN RADIO PAKISTAN 17665, no data cd in 24d air for 1 IRC. Four scene postcard, 'very nice'. Also sent cancelled stamps to me (Craig Mellinger NJ) 17845, same cd in 30d air for mint stamps (Baxter Hensley TX) 17845, no data 'picnic scene' cd in 9 months sfc for no rp (David Jones VA)

PHILIPPINES FAR EAST BROADCASTING COMPANY 11850, f/d 30th anniversary cd in 93d air for 1 IRC (Ben Snowden CA) 17810, same cd in 46d air for 2 IRCS (Bob Donly SC) VOA RELAY 11715, time/req cd in 12d sfc. Three historic scenes. v/s Monica Reyes (Joe Pecinka IN)  
SINGAPORE RADIO SINGAPORE 5052, f/d color photo of Singapore at night. 126d air for 1 IRC (Stan Foraman CA) 11940, same cd in 88d air for 1 IRC. Also sent sked. (Steven Hagen IL) 11940, same details as above. 82d sfc for 1 IRC. (Glenn Thompson NM)

SRI LANKA SRI LANKA BROADCASTING CORPORATION 11835, f/d cd in 30d air for no rp. Special QSL 1978 contest. AVR-Asia, QSL 448 w/AMR 11835 stamp, v/s Adrian Peterson(Robert Rzepka WI)SPDX Adrian Peterson is host of Radio Monitors Program, heard each week in RE over SLBC. Listen for the monthly SPDX REPORT, prepared by Matthew Brown.....dJ

TURKEY VOICE OF TURKEY 9515, f/d cd in 2 months. "Spoonbill"(Kasikci Kusu)cd plus sked and "Sunshine Radio" pennant(Martin Beck NY)9515 f/d cd in 228d air for no rp. Also sent "Sunshine Radio" pennant. Cd shows little man standing on crescent moon w/scissors (John Kegen MD)9515, f/d "Love & Peace in Turkish Honor" cd in 31d air, no rp. Sent same pennant as above(George Link Jr CA)9515, same cd in 35d air for 2 IRCS. Program guide in Turkish and pennant(Frank Wheeler KS)

Vietnam(SOCIALIST DEMOCRATIC REPUBLIC) VOICE OF VIETNAM 10040, f/d plain paper QSL letter in 50d air, no rp. Also sent pennant & magazine(Loc Truublood WI)10040, f/d letter in 101d air, for no rp. Also sent sked & magazine "Courier"(John Kegel MD)15012 (Charles Boyd West Germany)

OCEANIA

AUSTRALIA RADIO AUSTRALIA 11835, f/d "Kangaroos" cd in 60d sfc for no rp. (Clayton Harada HI)15160, f/d in 120d sfc, same card(Vladimir Cucura PA)21740, f/d color photo of Swanton Street in Melbourne in 18d air for 1 IRC. v/s P Koch(Glenn Thompson NM)9580, f/d in 120d, no rp. Same cd as above(Vladimir Cucura PA)17795, f/d "Simpson's Gap, Central Australia" cd in 78d air, no rp(Loc Reenka NI)11825, f/d color photo of paddle steamer on Murray River cd in 28d air for 1 IRC(Glenn Thompson NM)17795, "Common Fringe Lily" cd in 120d sfc, no rp(Vladimir Cucura PA)ABC PERTH 9610, f/d cd in 16d air for 1 IRC. Blue Western Australia Map cd, plus sked(Kevin McCurley MD)

NEW ZEALAND RADIO NEW ZEALAND 6105, f/d cd in 22d air for 3 IRCS. 30th anniversary QSL showing RMZ logo in red w/abstract of logo in red/black(Bob Coleman MA)15130, f/d red/black/yellow cd w/logo for RNZ in 30d air for 2 IRCS. Sked also recd(Mike Chinkos MA)17860, 30th anniversary cd in 20d air for 2 IRCS. "This was #145 of 155 reports sent out."(John Kegel MD)17860, f/d cd in 15d air for 2 IRCS. Colorful photo of Rocky Forest cd. Sent along sked of programs(Marjorie Oakley CA)

TAHITI RADIO TAHITI 15170, recd by air in 56d for no rp, f/d. Beautiful cd w/freq and kHz & KWS. Rpt in RP. Asked for suggestions & observations(Marjorie Oakley CA)

SOUTH AMERICA

ARGENTINA RADIO EL MUNDO 15290, date/freq cd in 5 months air for mint stamps. Blue & white bi-lingual QSL. Bumper sticker also sent. This after follow-up. Rpt in Spanish. v/s Amelia Ferreras (Henry Lazarus IA)

BRAZIL RADIO NACIONAL, BRASILIA 11780, cd of verification & magazine on Brazil in Lcd air for no rp & EE/FP/SS report. Lewis Forbes (X)Lewis, while the folks at this sta can speak several languages, remember that the language of Brazil is Portuguese....dJ RADIO RELOGIO FEDERAL 4905, f/d postcard in RP. 126d air for no rp. v/s Otco Silvera. This QSL via the help of friend in Brazil(Ron Howard CA)

COLOMBIA RADIO MELODIA 6140, letter and decal in 6 months for SS report & Mint stamps. v/s Elvira Mejia de Paéz, Gerente(Bill Sparks CA)

ECUADOR RADIO IRIS 3380, vert statement letter in 22d air for mint stamps & SS rpt. (Charles Hoffman PA)HOUR 6130, f/d in 55d air, no rp. Album series #5 "Call of the Andes"(Edwin Stickle NY)"Illinzas" cd in 57d air, no rp. v/s Sam Rowley(Tom Smith FL) 9560, f/d "Agriculture in the Andes" cd, 48d air, no rp(Robert Yajko PA)same card in 23d cd in 42d air, no rp. v/s H Jacobson(dwain Stickle NY)"Enchanting Ecuadorian Coast" cd by air in 35d for no rp. (John Cereghin MD)11915, f/d in 31d air for 2 IRCS. Photo C "Agriculture in the Andes" cd (Richard Schmucker)Album series #7 "Old Fashioned Melodies" cd in 55d air for no rp. (Edwin Stickle NY)11915/1300, f/d cds in 77d sfc for 1 IRC. Card of Play-Andes" cd in 30d air, no rp. f/d, v/s Sam Rowley(Will Stone Ontario)

VENEZUELA RADIO UNIVERSO 4880, date/freq cd in 41d sfc for 1 IRC & EE/SS rpt. White w/green border, globe w/antenna tower in center(Craig Mellinger NJ) RADIO JUVENITUD 4900, Green/white network cd in 76d sfc, no rp(Gary Fowler Ontario) ECOS DEL TORRES 4980, SS no data letter by air in 43d for 1 IRC & EE/SS rpt.(Robert Rzepka WI)RADIO MATORIN 5040, date/freq in 26d air for MS & SS rpt(Gary Fowler Ont)

ANTIGUA DEUTSCHE WELTE RELAY 6040, no data colored circles cd in 133d(Rick Worrel)

BELIZE RADIO BELIZE 3285, date/freq cd in 12d air for 1 IRC. Yellow map cd w/pics of

CANADA GFRX TORONTO 6070, date/freq cd in 22d sfc for 1 mint stamp. Scene of GFRB

olive Eastwood(George Link Jr CA) RADIO CANADA INTERNATIONAL 9535, f/d Inter-

national Bcers Year, DO-IT-YOURSELF cd in 25d, no rp(Patrick Franzis CT)

9535, same cd in 21 d sfc(Joe Pecenka IN)17750, same cd in 20d sfc, no rp(Robert Yajko

both by air. (David Brodsky NY)

COSTA RICA RADIO CASINO 6954, f/d cd in EE/SS saying they operate on 5954 with IKN

into an inverted "W" antenna. Also rec'd white/green pennant. 24d air for 2 IRCS and

cancelled US stamps(John Trautschoid W)RADIO UNIVERSIDAD DE COSTA RICA 6098, no

rec'd. v/s Jose Tastes Solis(Henry Lazarus LA)

CUBA RADIO HABANA CUBA 9683, f/d cd in 156d sfc for 1 IRC. Red/black checkerboard

pattern & poster. v/s M.M. Triana(David Chan OR) 11760, same cd in 178d air for mint

(Brian Sklarson Sask)17750, same cd in 151d sfc(Scott Snyder NY)

HONDURAS HRVC LA VOZ EVANGELICA 4820, date/freq cd in 17d air for 3 IRCS. Red/

blue/white postcard w/ID, map, freq & QTH.v/s Miss Suis Alvarada A.(Robert Rzepka WI)

MEXICO RADIO MEXICO 9705, no data EE letter of confirmation in 57d air for 1 IRC

w/friendly EE letter and pennant by registered air mail in 36d. 1 IRC and SS rpt sent

v/s Alfonso Aranda Velasco(Kenneth Clark IN)

MONTSERRAT DEUTSCHE WELTE RELAY 9545, no data colored circle cd in 133d sfc for

no rp.(Rick Worrel)ND how is the site put on the cd Rick?.....d]

NETHERLANDS ANTILLES RADIO NEDERLAND 6165, f/d "Happy Station" 50th anniversary

cd w/station logo on front. 57d air, no rp(Charles Bonilla IL)6165, same cd in 30d air

for no rp. #1492 of special 3000 issued(Sandy "Know It All" Belize LA)9590, same card

in 29d air. Super sized! 5 7/8 x 8 1/2(Joe Pecenka IN)9715 same cd in 21d air for no rp,

v/s Rosemarie(Tom Smith FL)9715, f/d "Authentic Costumes" cd in 14d air for no rp(David

Chan OR)9590, same cd in 50d sfc for no rp(David Jones VA)9590, same cd in 12d air for

no rp(Patrick Franzis CT)6165, same cd plus sticker in 52d sfc for no rp(George Link CA)

air for 1 IRC. They also sent a sticker(John Kegeel MD)

UNITED STATES ORGANIZATION OF AMERICAN STATES 11740, date and freq(they wrote

in the wrong freq! cd in 7d for no rp. Very plain card(Scott Tacoma CA)

USA) for no rp. v/s John Homis, v/p. Freddy Curtis (IN)

UNITED NATIONS RADIO 6055, f/d blue/white multi-lingual cd w/logo & sked. No rp

in 26d sfc(Tom Smith FL)15240, same card in 80d air(again, airmail in the USA?). I sent

mint stamps which were returned. (George "VOA Pennant" Link Jr CA)

VOICE OF AMERICA 17870, date only "Four Seasons in USA" cd in 18d air for no rp.

v/s A.L. Case(Brian Sklarson Sask)26040, f/d "3 Scenes"(Cable card/whitehouse/stat of

Liberty) cd in 8d for no rp. v/s Monica Reyes(Glenn Thompson NM)21485, same card and

again f/d in 13d sfc(Gordon Blom NY)

ANTARCTICA

AEAN - MCMURDO AMERICAN FORCES ANTARCTICA NETWORK 6012, no data printed card

in 2d after follow up. SASE sent, but not used. v/s Paul McQuilliam(Ron Howard CA)

ODDS AND ENDS.....November 24, 1978. Lucky for me, I don't have to mail this

column to anyone, hi you will note the sloppy format and the lack of any GSL

photos this month. While using all GSL reports rec'd by deadline time, this

section is now 6 pages, in place of the seven it has been for several years.

Bob only will get the format lined out OK, though he will probably not have

space to run many GSL pics. We could decrease the number of GSL reports of

common stations (i.e. USA, R Ned, HCB, etc) to make room for more pics. You

might drop Bob a line and let him know your feelings on this.

Finally, don't blame Bob for the errors this month. Blame it on my Swiss

typewriter(HERMES 808) that does not really understand the English language

NORTH AMERICA

HAPPY HOLIDAYS + '73's Don Johnson

At the present time, the BBC's Far Eastern Relay station has three trans-  
 mitter bases on the air. These are located at Tebrau Malaysia, Kranji  
 Singapore, and Tanglin Singapore City. The Tanglin transmitter is located  
 at the edge of Singapore City, and is the old FM transmitter previously  
 used by RFB. The BBC expects to remove Tebrau from active service about  
 the end of the year.

The first two SW transmitters at Kranji were switched into regular service  
 on February 1. The third became operational on July 1, and the fourth  
 became operational on August 1.

At the present time, off-air programs for the BBC Eastern Relay Station  
 are received at Fongoi on the SW edge of Singapore Island. The receiving  
 antenna is actually located in the edge of the sea. Programs are sent by  
 micro-wave link to Tebrau, where they are split for Kranji on SW and Tang-  
 lin on FM. When Tebrau is phased out, programs will be sent direct from  
 the Fongoi receiver base to Kranji, for use from Kranji and Tanglin.

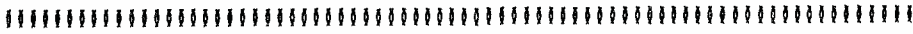
Inside the main transmitter building is the transmitter hall, and the  
 program switching room. At the time of my visit, four transmitters of 250  
 kw had been installed, and two of these were already operational. When  
 the station is fully commissioned, there will be 4 transmitters of 250 kw  
 and 4 of 100 kw. All of these transmitters were originally located at  
 Tebrau. However, 2 older transmitters of 100 kw located at Tebrau will  
 not be transferred to Kranji.

The BBC estate at Kranji contains just 4 acres, but, into this compact  
 property, the construction engineers have erected a comprehensive antenna  
 system and a large two storey transmitter building. This building is  
 constructed on cement piles because of the swampy location. There are 17  
 self-supporting masts from which are strung 18 antennas. These antennas  
 are slidable and reversible and are of various designs, some of which are  
 unique to BBC broadcasting. They are intended for coverage of the several  
 Asian target areas.

Earlier this year, while I was in Singapore, I hailed a taxi and asked him  
 to take me to the new BBC SW relay station located at Kranji. A short  
 while later we were bumping along the unformed access roadway which leads  
 into the new radio station. Kranji is located on the northern edge of the  
 island of Singapore, and is the new SW base for the BBC's Far Eastern  
 Relay Station. It is located just 14 miles away from the older station  
 which is situated in Tebrau, West Malaysia. When Kranji becomes fully  
 operational, the Tebrau station will be phased out.

by Adrian M. Peterson

BBC RELAY STATION AT KRANJI



This month, Tips and Topics will bring you  
 another Station Month, full of articles  
 about the many shortwave stations which fill  
 the radio dial. Again, we will examine the  
 history of many shortwave stations as well  
 as the content and programming of many stations.  
 In this issue, we have an article about the  
 BBC's new relay station at Kranji in Singapore by well-known DXer Adrian  
 Peterson. In addition, we have an article about Radio Feking and a  
 very interesting article about Radio RSA's interval signal. And to  
 conclude, we have several articles of a more general interest. Do enjoy!

**Station  
 Month**

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

The Feature Section of SPEEDX

**Tips and Topics**



Also an integral part of Radio RSA's interval signal is the folk guitar be- ing strummed. The tune being played on the guitar is actually one of the few South African-originated folk-songs. The title of the tune is "Ver in die wereld, Kittle" (Far, Far away in the wide, wide world Kittle"). This folksong is associated with dancing, and is the accompaniment of a very lively dance for young and old at informal get-togethers. The words to source put it, the words "don't amount to much; it's the rhythm that counts."

Typically, the Bokmakierie spends a great deal of time on or near the ground where it nests in bushes or reeds. These birds are experts in the art of camouflage with regards to their nests. The Bokmakierie is seen frequently scooting about on the ground in search of some of its favorite morsels: small lizards and frogs, caterpillars, spiders, and insects.

Interestingly, the Bokmakierie sports some yellow color on their tips. Its underpart is bright yellow, and its throat is ringed with a black approximately 20 centimeters long (8 1/2 inches) and is greenish green in color. Botanist Linnaeus first described the Bokmakierie. It is a beautiful bird, interesting little bird. In 1776 during a visit to South Africa the South Africa and South West Africa, this Shrike family member is an bird is known as the Bokmakierie, or Delphoropus zeylonus. Common to the most distinguishing mark of the Radio RSA is the bird call. The

How many times have you tuned the bands and come across that familiar sound of the singing bird accompanied by the folk guitar? I'll bet you've heard that interval signal many more times than you care to think about. But in the world of shortwave broadcasting, you have to admit that Radio RSA's interval signal is somewhat unique. It's a very common IS, but have you ever wondered about its composition?

THE SOUNDS OF RADIO RSA  
by Larry Ledlow, Jr.



(This info was sent by Hank Ligon.)

Radio Peking exchanges programs with radio stations in 26 countries. Radio Peking broadcasts a daily news program, commentaries, radio talks and regular features, such as "China in Construction." In the People's Commune, "Culture in China," "Music from China" and "Listeners' Letterbox." Radio Peking broadcasts in English, Spanish and French. To Europe they broadcast in English, French, German, Hungarian, Italian, Polish, Portuguese, Rumanian, Russian, Serbo-Croatian and Spanish. And lastly, to Oceania, they broadcast in English. broadcast in Albanian, Bulgarian, Czech, English, Esperanto, French, Spanish and to North America they broadcast in English, French and the Arab region. To Latin America they broadcast in Portuguese, Spanish and Turkish, Urdu and Vietnamese to Asia. They broadcast in Arabic, English, Mongolian, Nepalese, Persian, Pushto, Russian, Sinhalese, Tamil, Thai, Filipino, French, Hindi, Indonesian, Japanese, Korean, Lao, Malay, Burmese, Kampuchean, English, Spanish, Bengali, Burmese, Indonesian, Japanese, Korean, Vietnamese, Thai, Burmese and Indonesian. Today it broadcasts over 16 hours a day in 39 foreign languages to the people of the world.

THE OVERSEAS SERVICE OF RADIO PEKING. . . Radio Peking's overseas service went on the air officially in 1956, broadcasting in 7 languages: English, Japanese, Korean, Vietnamese, Thai, Burmese and Indonesian. Today it broadcasts over 16 hours a day in 39 foreign languages to the people of the world.



national broadcast over the SIBC in Sri Lanka.)  
From 2200-2230. (Adrian Peterson is the host of "Radio Monitors Inter- 2200-0045 and 0930-1830, 9725 from 0930-1245, 11710 from 0015-0045, 11865 6050 from 1215-1645, 6080 from 2315-0045, 6195 from 0900-1830, 7180 from 2200-2315. The current schedule for BBC Kranji is as follows: 6010 from 2200-2315, carried by BBC Tebrau. Frequencies used have all been Tebrau frequencies. either test tones or broadcasts of the regular WS or language programs as Many test broadcasts have been made from BBC Kranji, and these have been



|||||

NEWS FROM HADYO FILIPINAS. . . Their new address is Radyo Filipinas, Voice of the Philippines, National Media Production Center, 15th Floor, Philcomer Building, Ortigas Ave, Metro, Manila. They are to start broadcasting again in this month or by the first of January. They moved their office and equipment with the intent of trying to reach the ECNA. They have been overhauling their equipment and their rhombic antenna. They still will use the frequency of 9580 KHZ. (This info come from Bill Miller.)

|||||

External Services: External broadcasts are on the air for about 53 hours daily round the clock. There are regular services in 21 languages, including English, Burmese, Thai, Indonesian, French, Cantonese, Hindi, Nepali, Tibetan, Swahili, Arabic and Persian. (This info comes from Mike Maghakan.)

Today, All India Radio has a network of 69 broadcasting centers covering all important cultural and linguistic regions of the country. There are 136 transmitters in operation.

News Services: All India Radio broadcasts 235 news bulletins a day. In English, Hindi and 16 other languages. Regional stations broadcast daily 95 bulletins in Hindi and 17 other languages and 34 dialects. In the external Services, 41 bulletins are broadcast every day in 21 languages.

BROADCASTING IN INDIA. . . Broadcasting in India since its inception under the British rule has been state operated. After independence, All India Radio expanded rapidly and developed rural, educational and a variety of other programs to help promote development, family planning, better farming, etc.

The first listing of ZOE in the WRTVA is for the year 1970; and the schedule for this fascinating far away station is as follows: Sunday, Wednesdays, and Friday 1900-2200 GMT, with BBC news followed by local news at 2000 GMT. And another item of interest about ZOE, Radio Tristan, is that this station issues a QSL card in acknowledgement for correct reception reports.

The transmitter of this station is of World War II vintage, and it emits 40 watts on the tropical SW frequency 3290 KHZ and radiates through a long wire antenna. Tristan Radio has been alloted the international call sign ZOE and it uses a vocal version of the "Scottish Soldier" as its theme tune. Plans are in hand for the installation of a new transmitter of 1 kw.

Some time after the return of these residents, a small radio station was erected at Edinburgh the capital of Tristan da Cunha. It is housed in a portable building left by an American scientific expedition. The studio panel, positioned in such a way that one man can run the station and a control console consists of 2 record players, a tape recorder and a control

Three small islands with a total area of 81 square miles make up the archipelago, of which Tristan da Cunha is the largest. This main island has an area of 16 square miles, and is actually a volcano rising from the floor of the Atlantic ocean. The peak rises to 6,700 ft, and there is snow on the top of the volcanic mountain. Actually the volcano erupted in 1961, and the entire population of 300 was evacuated to safety. These people returned to permanent residence on Tristan da Cunha in 1963.

The islands of Tristan da Cunha are located in the South Atlantic ocean, and have been described by some geographers as being the loneliest islands in the world. They are located midway between Africa and South America.

by Adrian Peterson

RADIO IN TRISTAN DA CUNHA

|||||

by Adrian Feterison

Last year, on a pleasant sunny morning, I walked from the main thoroughfare on Thomson Road in Singapore towards the radio aeriels located on a hill nearby. I made my way across a small waterway, through a modern suburban area, past the old building of the original radio Singapore, and up to the impressive office and studio buildings which comprise the present electronic complex of Radio TV Singapore (RTS). I continued on my way, with a minimum of formality, to the reception area, where a Chinese guide was waiting. This gracious host spent the next couple of hours giving me a guided tour through the splendid facilities of Radio TV Singapore, and in giving me interesting historical information on the background of his station.

During the 1930s there were two small transmitters operating on SW, and two on MW, and these used the call signs ZHL and ZHI. These outlets, of what was then Radio Malaya Singapore, broadcast in the four languages of English, Malay, Chinese and Tamil.

The transmitter base at Jurong near the famous Jurong Bird Park, was constructed in 1942. This complex housed several MW and SW transmitters, all lower powered.

Immediately after World War II, the British Military Administration operated the Radio Malaya Singapore complex as B.M.A. Several BBC programs were also carried by the station at this time.

In the early 1950's, the station was operating again as Radio Malaya Singapore, with 3 MW transmitters of 10 kw and 3 SW transmitters of 5 kw.

Construction work on the new studios and offices for Radio TV Singapore commenced in the late 1960's, and were ready for regular usage in 1972. This superb suite of modern radio studios is capable of producing a large number of different programs simultaneously. Each studio is similar in design and equipment, and is engineered with a floating construction, so that outside shocks and concussions are absorbed, and not passed on into the electronic equipment.

Likewise, the TV studios, which handle generally two colour programs simultaneously, are of the most modern design.

Radio Singapore currently operates 5 MW outlets, one of which is capable of a very high output; 8 SW outlets for regional coverage, and 4 MW outlets serving mainly of the city of Singapore.

You can hear Radio Singapore every evening, on the MW outlet 790 kHz and on two SW outlets 5010 and 5052, usually in parallel.

Radio Singapore readily issues an attractive QSL card for all correct reports.

(This article as well as the article about Tristram da Cunha were adapted from various Station Profiles broadcast over Radio Monitors International. Adrian sent to me various transcripts and these articles are adapted from them. I hope you do enjoy them because I do hope to publish many more.)

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TIDBITS. . . It is hard to believe, but 1978 is coming to an end. Another whole year has past and it has definitely been an exciting year in the hobby. With the opening up of the higher frequency bands, Voice of the Voyager, and a fantastic AWARC convention, we all had a great year! At this point, I want to wish everyone a very happy Christmas and a productive New Year, and to all Jewish members, a very Happy Chanukkah. Good luck to one and all. Lastly, I want to thank all those who sent cards. I hope you will consider my statement above a pleasing answer. I remain, Best Wishes and 73's, *Adrian Feterison* Arthur S. Getzel

2	AISENBERG, JULIO	CA.	RF-4800	*1	
1	ALLISON, RICHARD	OH.	NC.	??	
2	ANGELONI, RICHARD	NH.	DX-160	2	
2	ASHBRANNER, JIM	AZ.	.....??	3	
3	BAKER, BRIAN	IL.	RF-7	6	
1	BALDWIN, MIKE	NC.	RF-7	*1	
2	BARRY, JOE	CA.	RF-7	2	
1	BENJAMIN, LORENZO	CA.	SX-190	4	
1	BILLER, JEFFREY	CA.	SX-190	4	
5	BLAZE, SANDY	LA.	51-51	3	
1	BLOW, GORDON	NY.	DX-160	*1	
1	BODELT, BOB	OR.	H-390A	3	
3	BOEHM, JAMES	TX.	RF-7	1	
2	BOERTS, RONALD	FL.	RF-2200	2	
1	BONILLA, CHARLES	IL.	RF-2200	5	
2	BONNER, CHRIS	OH.	DX-160	4	
2	BOYD, CHARLES	W GERMANY.	RF-2200	1	
2	BRICK, GEORGE	TX.	NC-88	1	
7	BRODSKY, DAVID	NY.	ICF-5900	1	
4	BROWN, GILF	IL.	RF-7	*1	
1	BUCK, JESSIE	CA.	DRAKE-2A	2	
1	BURGHAR, JONNY	ONT.	SX-190	6	
1	BURGESS, KEN	SASK.	RF-7	4	
4	CARRIER, DAN	FL.	RF-7	1	
7	CEREGHIN, JOHN	MD.	AR-2	*1	
1	CHAN, DAVID	OR.	S-118	5	
3	CHYNKOS, MICHAEL	WA.	RF-7	1	
6	COLLEMAN, ROBERT	TN.	DX-160	4	
3	CLARK, KENNETH	TN.	DX-160	4	
1	CONNELL, JOHN	MA.	H-390A	1	
2	CONSTANTINES, C.	GREECE.	XCR-30	5	
2	COOK, DAVID	CA.	RF-7	1	
6	CUCUVA, VIADMIR	PA.	RF-7	3	
1	CUNEO, RICHARD	NY.	AN.	DX-7000	1
4	CURTIS, FREDDY	TN.	PLCO-960	*1	
2	DALTON, GERALD	IN.	RF-7	3	
1	DAMSON, ARCH	CA.	SPR-4	3	
1	DEKESER, LUCIEN	CA.	RF-7	1	
1	DEKOFER, RICHARD	ND.	.....??	3	
1	DEVENDOR, J.C.	CA.	SPR-4	1	
3	DOLYAK, EVELYN	FL.	DX-160	5	
6	DONLY, BOB	SC.	EDY-8302	3	
4	EARHART, KEN	PA.	RF-7	1	
7	EHLDER, RICK	SASK.	KH-3000	5	
6	EMING, DAVID	IL.	RF-7	1	
1	ERIKSON, RON	IA.	RF-7	3	
2	ELDER, RICK	IA.	RF-7	3	
1	FAMULARO, RALPH	NJ.	XCR-30	1	
6	FINDLATER, JOHN	CA.	.....??	3	
1	FISHER, JOHN	CA.	GPR-90	4	
7	FITZGERALD, JOHN	RI.	R-300	6	
4	FORBES, LEWIS	TX.	RF-7	1	
1	FORRESTER, BOB	OKI.	RF-7	*1	
6	FORSMAN, STAN	CA.	R-392	2	
2	FOWLER, GARY	ONT.	SPR-4	1	
2	FRANZIS, PATRICK	CT.	DX-160	3	
4	FRASER, BOB	MA.	XCR-30	4	
7	FUKAZAWA, NOBUO	JAPAN.	RF-1150	3	
1	GAEDE, ALLAN	CA.	RF-390	4	
2	GARFIELD, GENE	MA.	RF-2800	1	
2	GODDEY, BILL	FL.	RF-4800	2	
2	GODDEY, BILL	FL.	RF-4800	2	
2	GOLD, KEN	FL.	1600-W	*1	
2	GRANONE, PAUL	OH.	NC.	??	
2	GREANTER, PETE	NH.	DX-160	1	
3	HAGEN, STEVEN	AZ.	.....??	3	
6	HARADA, CLAYTON	IL.	RF-7	6	
1	HARDESTER, MIKE	NC.	RF-7	*1	
4	HAUSSER, GLENN	CA.	RF-7	4	
4	HENSLEY, BAXTER	CA.	SX-190	4	
3	HODSDON, THOMAS	NJ.	DX-160	3	
3	HOFFMAN, CHARLES	LA.	51-51	3	
1	HOLBROOK, HANK	NY.	DX-160	*1	
3	HOOK, JERRY	OR.	H-390A	3	
1	HOWARD, RON	TX.	RF-7	1	
2	HOWELL, JOE	FL.	RF-2200	2	
5	HRIIVAK, DONALD	IL.	RF-2200	5	
4	IRELAND, JEROLD	OH.	DX-160	4	
1	JOHNSON, RICHARD	FL.	DX-160	1	
5	JONES, DAVID	VA.	5-151	1	
1	JONES, JACK	MS.	DX-150A	1	
1	KAPINS, JOHN	MA.	RF-7	2	
2	KAVALESKY, EDWARD	OH.	SPR-4	2	
6	KEGEL, JOHN	MD.	HA-230	6	
1	KERRIGAN, PATRICK	IL.	HA-230	1	
1	KIONTZ, WIN	CA.	SPR-4	1	
1	KNIGHT, CHRIS	CO.	DX-160	*1	
5	LARSON, EVELYN	OR.	S-118	5	
1	LAZARUS, HENRY	VA.	SX-190	1	
4	LEBMAN, JOE	RI.	RF-7	4	
2	LEISTNER, LOU & E.	CA.	SPR-4	2	
7	LINK, GEORGE	CA.	DX-160	7	
5	LOBDELL, CHRIS	MA.	RF-7	5	
1	MACRIS, RANDOLPH	MO.	DX-160	1	
3	MAGHARIAN, MIKE	NY.	ICF-5900	3	
1	MAGNE, LARRY	PA.	RB	1	
1	MAISE, CLARENCE	LA.	RF-7	*1	
3	MAPPIN, RUSS	WA.	SCOTT	3	
1	MASON, SANDY	ONT.	RF-7	1	
1	MATHEW, RICK	B.C.	R-1530	1	
3	MAYER, JIM	CA.	RF-7	3	
1	MC CORDY, TIM	CA.	RF-7	1	
5	MCCURLEY, IRVING	MD.	RF-7	5	
1	MCHERTER, IRVING	MD.	RF-7	1	
3	METTINGER, CRAIG	NJ.	RF-7	3	
1	MHUNZL, PETE	CA.	RF-7	1	
3	MILLER, STEVE	CA.	S-38E	3	
5	MILLER, WILLIAM	CA.	DX-160	5	
3	MONJURE, RICHARD	IA.	DX-160	3	
4	NAVJUR, SPENCE	CA.	RF-7	4	
1	NEWELL, R. COLIN	B.C.	DX-150A	1	
1	NORCROSS, DAVID	HI.	R-300	1	
1	NOVELLO, JAY	NY.	XCR-30	1	
6	OKARLEY, MARJORIE	CA.	FRG-7000	*6	
1	OLSON, JAMES	CA.	DX-160	*1	
1	ORR, TONY	CO.	DX-160	1	
2	OSTERMAN, FRED	OH.	HQ-129X	2	
3	PALTAFOX, ALFONSO	ND.	DX-160	3	
3	PACENNA, JOE	IN.	XCR-30	3	
4	PECK, MARTIN	NY.	ICF-5900	4	
3	PETERS, DAVID	KY.	R-390A	3	
4	PETIT, LAVI	IA.	TMP-8000	4	
2	PSZCZEK, DAVE	NY.	POST	2	
2	PRALH, JOHN	FL.	RF-7	2	
5	PROOM, STEPHEN	ENGLAND.	SAT-2100	5	

DECEMBER CONTRIBUTORS LIST

Each contributors name is preceded by a number, this number indicates how many SPEEDX columns a specific reporter contributed to this month. Credits for sections other than SWBC, GEL, UFE and SKEDS are not listed here, they are recorded separately by the membership chairman by persons each issue. The \* preceding a number indicates credit is given for points that were missed the previous month.



Please do not make any collect calls to any of the above... Happy Holidays, OE  
Grounding Satellite 2000, 21 bands, exceptional audio quality. \$350.00, current  
price new \$750.00. Contact J.M. Welss, 1572 Peacock Ave, Sunnyvale, CA 94087.  
Phone 408 755-7946.

Sanserrino, 8422 Crane Circle, CA 92646  
FRG-7 mod w/4 kc & 2.9 kc filters Digital readout, \$480.00. Contact Ralph  
W Hensley, 4629 Sun Valley Dr., El Paso, TX 79924. Phone 915 821-7026.  
Allied SX-190 w/extra XTLs 4.6 to 5.1 mhz, \$150 plus shipping. Contact Baxter  
shape \$350.00 Contact SPEEDX Headquaters.

DX-160 w/outboard digital readout. Excl cond. \$200; Drake SPR-4 w/mods, good  
DX-160, 1 1/2 years old, \$100.00 incl parcel post. Contact Jim McDonald, 3167-A  
Charles St, Honolulu. (Jim has a new RF-2800,ed)  
Park, CA 90620, phone 821-7631.  
SX-190, good condition, \$135.00 Contact Don Schelling, 7720 Crescent, Buena

Yaesu FRG-7 Mark III filter modified w/4 kHz filter, GAR 7 frequency counter,  
88 East St, Middleton, MA 01949, phone 617 774-8921.  
RAC Listener 59 antenna coupler tuner. All for \$440. Contact David Hammond,  
Contact James Snow, P.O. Box 746, Darten, Georgia 31305. Phone 912-437-6469.  
wave receiver, \$200; Todd-Graves antenna tuner, \$15; Ham gear, PM II DX pre  
selector, \$20; Pyc Carr SW set, operates off car antenna and battery, \$100.  
Normande Galaxie 9000 St International Bands stereo FM, long wave, medium  
N Plainfield, NJ 07060. Phone 201-277-8343 until 2100, then 201 753-8338.

Yaesu FRG7 excellent condition, has front panel switchable selectivity with  
Collins 2.9 mech filter per Radio West, fine tune mod AGC, dial accuracy 2  
kHz, manual & UPS delivery, \$225. Contact Ed Insinger, 351 N Drive #57  
Art Glover, Rt 4, Box 1100F, Sequim, WA 98382 has the following shortwave  
equipment for sale. Hammarlund HQ-180A w/speaker, \$280.00, BC 221 M Freq.  
Meter, \$80.00, PCL-P Ameco Pre-amplifier, \$15.00, Electric 24 hour digital  
clock, \$15.00. All in fine condition w/cal lists & manuals, etc. All for  
\$390.00 or best offer.

ITEMS FOR SALE OR WANTED

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If you find that your loggings were used in this issue, but that your name  
does not appear above, it is due to the following: Each editor at his dead-  
line begins preparing his list of contributors, which is mailed to me for  
the preparation of this page. However, after the list is mailed, tardy log-  
gings are received, that may be used in the column. The following month the  
editor will then list the tardy contributors name, if the logging was used  
the previous month. The credit is then given and indicated by an asterisk \*  
A big thank you to 7 first time reporters, they are: Julio Altsenberg, CA;  
Michael Chinkos, WA; Lucien Dekeyser, CA; John Findlater, CA; Bill Godbey,  
FL; Dave Pisczek, NY and Hiroshi Saito, Japan. We also thank 172 reporters  
that helped make this issue possible.

*2	RUSSELL, GARY	IL.	..SSR-1
*5	RZEPKA, ROBERT	WI.	..RF-2200
*3	SAITO, HIROSHI	JAPAN	..FRG-7
1	SCHMUCKER, RICHARD	NE.	..DX-160
4	SCHMUELL, JOHN	SC.	..??
2	SKLARSON, BRIAN	SASK.	..??
1	SMITH, BILL	LA.	..FRG-7
5	SMITH, TOM	FL.	..VEF-204
4	SMITH, TRAEER	CA.	..FRG-7
4	SMITH, WADE	MA.	..FRG-7
4	SNOWDEN, BEN	CA.	..DX-160
5	SPARKS, SCOTL	NY.	..GE-PORT
*4	STEIN, RICHARD	NJ.	..FRG-7000
2	STICKLE, EDWIN	NY.	..CF-560
5	STONE, WILFRED	ONT.	..DX-160
2	STROH, EDWARD	IL.	..SPR-4
1	SWANSON, KENT	UT.	..FRG-7
1	TACOMA, SCOTL	CA.	..RF-4800
1	TANNERWALD, LEON	NY.	..SPR-4
6	THOMPSON, GLENN	NM.	..FRG-7
5	THOMPSON, PEGGY	CA.	..RF-2000
4	TRAVTSCHOLD, JOHN	WI.	..FRG-7
*3	TRUBBEE, BILL	WI.	..FRG-7
3	TRUBBLOOD, JOE	WI.	..FRG-7
*3	TRUCHIMCZYK J.W. GERMANY	XCR-30	..SSR-1
1	UBERLINGS, JAMES	OR.	..SPR-4
2	UYENO, TAKAKARI	TX.	..5900M
1	VOLTERRA, RUTH	MO.	..SSR-1
*2	VOLTERRA, RUTH	MO.	..SSR-1
1	WAKTSAKA, SATOSHI JAPAN	FRG-7	..SSR-1
1	WALTERS, JOHN	NJ.	..R-1530
1	WATTS, GREG	IN.	..DX-150B
3	WEBSTER, JOHN	AL.	..FRG-7
1	WEBSTER, STEVE	ONT.	..FRG-7
4	WHEELER, FRANK	KS.	..DX-160
1	WILSON, TED	CA.	..4B
3	WOLTMAN, FRANK	WI.	..FRG-7
4	WONG, JOSE	FL.	..FRG-7
*6	WOOD, RICHARD	NH.	..HQ-180
5	WORRELL, RICK	ND.	..DX-160
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THE OFFICIAL DX MAGAZINE PUBLISHED MONTHLY BY SPEEDX  
BOARD OF DIRECTORS...Don Johnson(President), John Trautschold  
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