

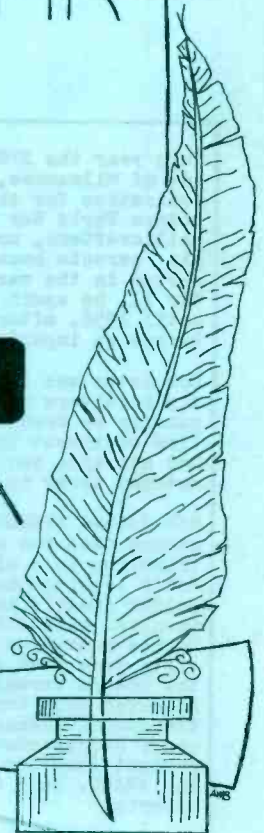
1978 SPEAKER OF THE YEAR

SPEEDX

"THE DX RADIO MAGAZINE FOR ACTIVE SHORTWAVE LISTENERS"

SPEEDXER
OF THE YEAR

BOB
ZILMER



78

FEBRUARY 1978

Vol. VIII No. 11

1978 SPEEDXER OF THE YEAR

BOB ZILMER

AN OPEN LETTER TO BOB ZILMER

January 1978

Dear Bob:

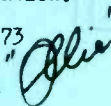
Several years ago the SPEEDX Board of Directors adopted a resolution, that we should make a yearly presentation of a plaque and a certificate of outstanding achievement in the field of shortwave radio to a member of the club. The Board, this year unanimously chose you as the SPEEDXER of the Year 1978.

Upon reading the biography that was prepared by our Board Vice President, John Trautschold, there is no question in our minds of why you were chosen.

Bob, congratulations on receiving this year's award. We are very fortunate and proud to have you as a member of the SPEEDX organization.

The very best of 73

Oliver Ellsworth
Managing Editor



This year the SPEEDX Board of Directors has chosen Bob Zilmer, resident of Milwaukee, Wisconsin, for the SPEEDXER of the Year Award. His dedication for the hobby goes back many years. Bob started DXing before World War II, around 1941. One of his first receivers was a Hallicrafters, model not known, which he kept in a walk-in closet in his parents home. Soon afterward, he enlisted in the Air Force and served in the war, tinkering with radios while overseas. After World War II, he again became involved with shortwave radio. It was not until 1956, after the Korean war (in which he also served) that DXing became an important part of his life.

Bob never was (and still isn't-hi) completely satisfied with any of the receivers he owned, so every 6 months or so he would upgrade, usually by trading, to a newer model. Currently Bob has top of the line equipment including an SPR-4 and a Collins R-390 (a receiver he had his eyes set on back in the Air Force!), as well as an impressive antenna array in his backyard.

Bob joined SPEEDX right from the beginning, July 1971, and has a record that too many other DXers can claim. He has never missed contributing to a single issue of either the bulletin or The Gram. Bob's loggings have always been highly valued by the editors since he prides himself in maintaining accuracy. Not only has Bob been deeply involved with SPEEDX, but with other clubs and organizations as well. He has monitored for the NHK for many years and has received many gifts from them as a result of his fine work. He also monitors for the IBA in Israel. Many of the books and periodicals that he has received from broadcasters have been donated to the University of Wisconsin-Milwaukee. Bob is also very active with the ANARC Frequency Recommendation Committee and has helped to keep this very important function active even during some of the most trying years for ANARC. Many stations have improved reception here due to Bob's efforts.

Hats off to a fine DXer. Congratulations Bob..SPEEDXER of the Year.

Ed note: It is not necessary to be a staff member to receive the SOTY award. A coincident that BOB happens to be the CDE.



KEYNOTES



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

CONGRATULATIONS TO 12 NEW FULL MEMBERS

RICHARD ANGELONI BROOKLYN, NY	MIKE BALDWIN ASHVILLE, NC	BRUCE CHITUCK PAX RIVER, MD	DAVID DRUMHELLER BETHLEHEM, PA
DAVID FELTY WILMINGTON, OH	SCOTT HALLBERG NEW LENOX, IL	THOMAS HODSON COTTAGE GROVE, MN	RICHARD JOHNSON ST. PETERSBURG, FL
DIANE LEVESQUE CARBONDALE, IL	JIM McDONALD HONOLULU, HI	GREG POOLE AUSTELL, GA	TIM ROPER MOBILE, AL
ALBERT SMITH MADISON, OH			

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

SPEEDX WELCOMES THE FOLLOWING NEW ASSOCIATE MEMBERS

JOHN BYCURA PITTSBURGH, PA	CHARLES EPPS COSTA MESA, CA	PATRICK FRANZIS SEYMOUR, CT	RANDALL JACKSON SALEM, OR
RICHARD ELLIS DOVER, NH	JEFF LITTLE LOCKPORT, IL	WALTER DAWSON MILWAUKEE, WI	JOE HOWELL ESCONDIDO, CA
BOB COOMLER OJAI, CA	JOHN HESSE NEW BRUNSWICK, NJ	JOHN KANA DECATUR, GA	ROBERT HACKER FORREST, IL
DAVID BAYER STANFORD, CA	GARY DEIN SOUTH KOREA	STEVE MILLER VISTA, CA	CURTIS ARNETT HETTICK, IL
ROBERT FORRESTER SAN FRANCISCO, CA	DAVID HOUCK MAULDIN, SC	CLARENCE MAISE LAFITTE, LA	JERRY STRAWMAN CEDAR RAPIDS, IA
DON HENDRICKS TAYLORVILLE, IL	ANDRE PINEAULT QUE, CANADA	GORDON BLOM ROCHESTER, NY	WILLIAM JOSEPH WATERVILLE, ME
ROLLAND LINDBLADE OMAHA, NE	BRUCE BUCK BURBANK, CA	JAMES NUGENT BLACKSBURG, VA	JEFF HAVERLAH HUMBLE, TX
JOHN DOHERTY SANTA CLARA, CA	ALAN ALLAN LOS ANGELES, CA	HARRY BRADT SAN CLEMENTE, CA	STEVEN HAGEN PALOS HILLS, IL
GARY DELANEY HAMILTON, OH	MATTHEW BROWN MEQUON, WI	BRUCE CRAWFORD WILMINGTON, DE	BRUCE SEGLER ANAHEIM, CA

Welcome aboard, all of you. I certainly hope that I will be typing your names each month on the contributors page. The editors of the various sections will be glad to hear from you. Any questions that you may have, do not hesitate to write me or Headquarters.

EDITORSHIP CHANGES

E.V. "Sandy" Blaize, 417 Ridgewood Drive, Metairie, LA 70001, has been appointed to edit the Tech Topics column beginning immediately. Sandy is well qualified to answer those questions that you have wanted to know, but have been afraid to ask. Sandy will edit a section to your liking, but he needs your suggestions as to what you would like for him to cover.

Christian P. Hansen, St. Joseph's Seminary, Dunwoodie Yonkers, NY 10704, will be our new Western Hemisphere editor beginning immediately. Many of you know Chris as the former Europe Africa editor for ASWLC. Chris is anxious to hear from all of you. Chris is also the coordinator for the New York Metropolitan Area Dxers, aka MAD MEN.

cont next page

Wade Smith, 59 Benoit Street, Westport, MA 02790, returns until further notice as the editor for the European column. Most of you know Wade as the former editor of the Europe column. We are glad to have Wade back with us until Peter Schipelliti, can get himself squared away.

Let's all welcome our three new editors aboard and show our appreciation by supporting them with your questions, suggestions and your loggings. All three will begin their duties with the March issue.

We also wish to thank Ralph Sanserino, Jim McCurdy and Peter Schipelliti for the excellent jobs they did during their tenure as SPEEDX editors. They are still around, and will be supporting SPEEDX in the future.

SPEEDX-EDXC COUNTRY LIST

The country list has been up-dated to include changes made since originally released. The changes were published in the December 1976 & January 1978 issues of SPEEDX. If you do not have a copy of the country list and the awards program, or if you wish the latest edition, you may order them from Jack Jones, 304 Robinhood Road, Jackson, MS 39206. Cost: 75¢ for Associate Members, 50¢ for Full Members.

Jack Jones, our awards chairman is the only one that stocks them. Make check or money order payable to Jack Jones. Stamps or cash is OK in the USA, foreign members should send IRC's at the rate of US\$.18¢ each.

SPEEDX UTILITY GUIDE

The Ute guide is completely sold out. We are in the process of making necessary corrections and up-dating, prior to reprinting. Please do not order before April 1. Thank you.

CENTRAL DISTRIBUTION EDITOR

Keep in mind that the CDE's deadline for forwarding loggings & related material to the editors is the 10th of the month. Loggings sent directly to the editors are to reach them no later than the 15th of the month. The postal service seems to be getting worse instead of better, therefore, I suggest that you mail a few days earlier. The CDE's address is: Bob Zilmer, P.O. Box 697, Milwaukee, WI 53201.

WORLD RADIO TV HANDBOOK 1978

Donald Erickson, 6059 Essex St, Riverside, CA 92504, is offering to SPEEDX full & associate members, and other ANARC club members in good standing, the 1978 WRTH, postpaid by book rate for only \$9.00. Special for those under 18, or those over 18, who have never owned a WRTH for only \$7.00 postpaid. (The special rate is less than costs) Please send check or money order with your order, and each order must specify SPEEDX membership. This offer applies to members in the USA only.

The delivery from the publishers & distributor Watson-Guptill, is not expected before late February. You may send a SASE with your order for confirmation of shipment. This is an offer made by Don Erickson, and SPEEDX accepts no responsibility.

Gilfer Associates, Inc, P.O. Box 239 52 Park Ave Park Ridge NY 07656 is offering the 1978 WRTH for \$9.95 as a pre-publication price, if ordered prior to February 10th. The book will sell for \$11.95 at other out-lets.

SURVEY OF COUNTRIES

Bob Beaudoin, 127 Alice St Bridgeport, Conn 06606, is preparing a survey of the 10 most wanted countries to be heard and or confirmed, and one most favored QSL ever received. The deadline for a reply to Bob, will be March 30th 1978.

Bob says he hopes to release the results through Art Getzel's Tips and Topics column in an article for that column.

Should be interesting, please advise Bob as soon as possible, so that he can compile the information for Tips & Topics.

SPEEDX encourages all members to report their loggings and QSLs to the respective column editors. It is these reports that make SPEEDX the great club bulletin it is. SPEEDX is dedicated to providing interesting, accurate, and up-to-date information on the activities of shortwave and utility stations throughout the world. Without your reports this would not be possible. Many DXers, especially the beginners, are hesitant to report their material to the club. Some don't know what to report or how to report it, others feel what they have to offer is not worthwhile. The following may help some club members to "get their feet wet" and start supporting our club. After all, it is "our" club. If we all put a bean in the pot, we will all eat better!

REPORTING

Your reports should contain about the same information that you would submit to obtain a QSL card. That is, the time, date, frequency, quality, and a few program details that may be of interest. Program names, station slogans, IDs, changes in schedule heard, etc., are all welcome details. Report as many loggings as you have time for. Don't hesitate to submit one or two, or a whole batch. Remember that what may be a common station for you to hear, could be just what a fellow club member is looking for.

SENDING THE REPORT

The information needed for a good report is probably already in your log-book, so it's just a matter of copying down the material. Just a few simple rules to follow: Write on one side of paper only; Leave a space between each logging; Write legibly; Include your name and state on each logging. SPEEDX has report forms available(described below)to make it easier for you.

Be sure to send the items to the proper editor. Material for Europe goes to the Europe editor, Asia/Oceania material to that editor, QSLs to the QSL editor, utility material(both loggings & QSLs)go to the ute editor, etc. Mail all material so it will arrive in the editors hand by the 15th of each month.

OPTION Or, you can send all material to the distribution editor, Bob Zilmer to reach him no later than the 10th of the month.

REPORT FORMS

Printed forms are available from club HQS for 25c or 50c in cash or stamps. These are handy for both reporter & editor, as they contain spaces for all the information needed to make your reports valuable and are uniform in style, making them easier for the editor to work with. When ordering forms from HQS please state in what proportion you desire them. 3 SWBC to 1 QSL to 1 ute, half SWBC & QSL, or whatever. A supply will be sent.

.....

COUNTRY UTE FREQ CALL STN NAME

CITY LANGUAGE(S) TYPE OF B/C

TIME MODE REMARKS

QUALITY DATE REPORTER & STATE

.....

COUNTRY QSL STATION FREQ

CITY CARD? LETTER? QSL SIGNER

QSL CONTAINS FULL DATA? OR: DATE TIME FREQ TOTAL ELAPSED TIME DAYS

DESCRIPTION

RETURN POSTAGE? IRCs? (AMT) MINT STAMPS? RECIEVED BY: AIR? SURFACE?

REPORTED IN LANG. REMARKS NAME

.....

COUNTRY SWBC FREQ TIME STATION

LANG DETAILS

.....

QUALITY(SIO) DATE REPORTER AND STATE

.....



DX MONTAGE

RESEARCH/COMPILATION/REDACTION by A. W. BROOKS

74 Massachusetts Road

Caldale, Connecticut 06370

A SENSE OF DÉJÀ VU (or "George, Did You Chop Down My Long Wire Antenna?"): George Washington, according to legend, never told a lie. So you could believe his response to my fanciful inquiry concerning the most recent demise of my shortwave antenna. Should George reply, "Mother Nature did it!", his legendary reputation would remain intact. Yes, friends, it happened again. Mid-January here in eastern Connecticut brought with it a succession of violent winter storms...the intensity of which even thirty years of New Hampshire residence did not adequately prepare me. Electrical power went out on Friday...and for us that also means no heat and no water...leaving us "powerless" a number of times over the next week, the longest span lasting in excess of thirty-four hours. Actual evacuation to emergency quarters was a near-reality. We did, however, fare better than some of our neighbors. Gone is our back porch, many tree branches, and the aforementioned antenna...but at least we still have a roof over our heads... which is more than I can say for our Hartford-based pro hockey team...



LAST TIME, THE EAST MADE UP FOR LOST TIME: Every electric clock in the eastern United States ran 28 seconds slow during the cold spell last year about this time. The loss was caused by an overload on electric generating capacity. Few people apparently noticed the slight discrepancy between their electric clocks and the wind-up variety, or a difference in time between East and West Coast points...as the latter use a separate generating system and were not affected.... The unusual slowdown began when subzero temperatures caused the electrical load to exceed generating capability for the system, which serves the entire East. The electrical output slipped from the usual 60 cycles to 59.83 cycles. To correct the time later on, the generators were run fast for an equal amount of time. We on the East Coast were reminded of this bit of history by fellow SPEEXer Spence Naylor, a West Coast resident, naturally...

ACORNS FROM OAKDALE:
.....There's a new drink available for February called the "George Washington"...it's made with cherry juice and truth serum.....



"SWEDEN CALLING DXERS" JUBILEE: Radio Sweden has announced that their acclaimed DX program will celebrate its 30th Anniversary by a Worldwide Jubilee Contest. The contest, which will simultaneously promoting all DX programs on shortwave, will be open to every SWL in the world who understands English. The idea is to tune in to as many of those programs in the English language as possible between 27 February and 5 March. The winner will be the listener logging the greatest number of DX programs and noting the greatest number of items in the programs. Past issues of the SPEEX bulletin might be a source for a list of DX programs that might be heard that week...

ARE TIRANA WRITERS PENNING PEKING SCRIPTS?: Some time ago the Chinese Government began sale of a booklet which soon became a runaway bestseller in the world's most populous nation.....it's the "summing-up report" by Chairman Hua Kuo-Feng at the national agricultural conference. The title...."Get The Whole Party Mobilized, Go All Out To Develop Agriculture And Strive To Build Tachai-Type Countries Throughout The Country."...

YOU'RE NOT LIKELY TO HEAR IT ON THE SRI LANKA BC, BUT... the nation formerly known as Ceylon may take steps limiting one of its most desirable exports. Tea, you say? No. Guess again. If you say "girls" you win the prize behind door number three. Yes, the Government of Sri Lanka is considering a law banning young women from leaving the country. The reason is that many attractive Sri Lankan girls have been lured into "undesirable activities" in the oil-rich states of the Middle East...In a parallel tale the United Arab Emirates are concerned because that region's oil-rich bachelors are marrying outside of their nation. The UAE Government wants the native lad to marry a girl just like the girl that married dear old dad and has commenced an investigation. However, the agency in charge of the investigation is "Foreign Affairs." Happy Valentine's Day!...

OBVIOUS TO CONSEQUENCE....."DX MONTAGE" MARCHES ON....WITH

SON OF

DX MONTAGE

...IF YOU MUST BLAME SOMEONE FOR THIS CONTINUATION, MAKE IT ALAN W. BROOKS!

VOA FORCES AFRTS SHORTWAVE OUT INTO COLD:

The shortwave radio service of the American Forces Radio and Television Service will be discontinued starting on 16 January because of costs and an increasing use of satellite transmission. That's the essence of Department of Defense statements forwarded to us by SPEEDX staffer Bill Cleveland from a recent Los Angeles Times article. The Voice of America, which had allowed AFRTS to use its transmitters free for more than 30 years, must now, because of its own budget cutbacks begin charging a \$400,000 yearly rental fee ...which AFRTS is unable to pay. The story notes that the shortwave shutdown will primarily affect the Navy ships and some isolated military outposts that do not receive AFRTS broadcasts via satellite and so must rely on SW to receive the various programs. It also mentions that the move also effects civilian Americans living abroad as well as foreign listeners who similarly rely on SW for AFRTS programming. What the article did not say is that a sizeable number of state-side SWlers...your Editor included...who do a lot of listening to certain sports events that are not available on local radio or TV will, of course, be able to do so no longer

Department of Defense figures indicate that less than 5% of overseas Armed Forces personnel use the shortwave communications apparatus. It was further indicated, however, that discussions will continue between DOD and VOA over the possibility of maintaining the service, although the 16 January shutdown is still in effect..but tune in next month for a reprieve...

NOTES SCRIBBLED ON THE BACK OF AN OLD SKED:

Because of the economic situation there is a possibility that Radio Sweden may discontinue issuing any QSL card some time next year....The BBC has eliminated designating their relay sites on frequency charts listed in the now solid-gold "London Calling".

BUZZ, BUZZ - HUM, HUM - WHIR, WHIR - CLANK!

At the European Security Conference in Belgrade the Soviet bloc countries were asked to stop jamming Western radio broadcasts... According to a New York Times report noted by California SPEEDXer Bill Lewis....the Soviet Union had increased its jamming of Radio Liberty broadcasts from Munich, while Czechoslovakia and Bulgaria, and Poland to a lesser extent, persisted in transmitting strong interference signals on wavelengths used by Radio Free Europe. Reportedly, the Soviet bloc also jams programs transmitted by Radio Peking, Radio Tirana, Kol Israel, and, occasionally, Deutsche Welle. This jam signal usually comes over as a loud humming sound that obliterates both voice and music transmissions. Most DXers readily recognize the sound....we hear it on this side of the Atlantic too. At the conference representatives of the Carter Administration argued that provisions of the agreement reached at the 1974 Helsinki Conference on European Security and Co-operation were intended to foster rather than inhibit international broadcasting and, therefore, should be applied against jamming...We've been provided with a follow-up item from Serge Neumann... remember him?....who raided the Associated Press newswire. The Soviet delegates to the Belgrade conference vowed to continue electronic jamming of Radio Liberty and RFE as long as those stations try to influence the "internal affairs" of the Soviet Union. As the resurgent Serge notes, this could be the most blatant example of Soviet admission to jamming of these two outlets that he's ever heard of...Some column excerpts shared with us by Lou and Elinor Leister reaffirm the Carter Administration's support of both of these stations sating an indication of the effectiveness of these two stations and the VOA is the hysterical vehemence with which the Soviet Government has attacked them....

WRIGHT ANGLES

...Hace dos semanas regrese de Rusia. Ahor los buenos noticias...

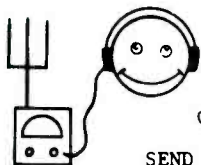
WHAT DID YOU SAY, SHARON?

THAT WASN'T ME, JUDY. IT WAS MY BRACES...

THEY'RE PICKING UP RADIO HAVANA.



J
A
C
K
O
F
F
E
R
S



TECHNICAL TOPICS

Q-MULTIPLIER? AVC? ANTENNA? CROSS-MOD?
GAIN? IMAGE? TUNER?

AGC? S-METER?
LSB?



E.V. "SANDY" BLAIZE
417 Ridgewood Drive
Metairie, LA 70001

SEND YOUR TECHNICAL QUESTIONS TO:

Fellow SPEEDXERS, this will be by last Technical Topics column. I've enjoyed editing this column since July 1976 and hope I have provided some useful information along the way. I want to thank the members who have supported me. Without you, there would be no column! Please support our new technical editor, Sandy Blaize, by sending him your questions and suggestions.

HAMMARLUND OWNERS From SPEEDXER Merle McMahon of Independence, Missouri comes word that the outfit who bought the Hammarlund assets have spare parts, manuals, etc., for most models. They do not manufacture new receivers. If you need anything for your Hammarlund, give them a call or drop a note. They may have what you need. Hammarlund Manufacturing Company, 100 East Montauk Hwy., Lindenhurst, NY 11757. Phone 516-888-5561.

YAESU FRG-7 List price is up on this fine rig. \$315.00 now. Still a good buy.

NEW RECEIVERS Panasonic is coming into the USA with a couple of new rigs. RF-2800 and RF-4800 are both equipped with digital frequency readout. The RF-2800 is a portable and the RF-4800 is a communications type. I am waiting for flyers and will forward to Sandy if & when they arrive. Sony is also going to offer a receiver with digital readout. Folks, digital frequency readout is here to stay! My FRG-7 is sure easy to tune with the digital frequency readout.

SCOTT SNYDER Scott would like to hear from members using a multiband portable. A few tips on improving reception would be appreciated. Scott uses a 10 band G.E. set. Drop a line to: Scott Snyder, 104 Rowena Drive, Camillus, NY 13031.

ANTENNA FOR 120, 90, 75 METER BANDS Randolph Lindsey passes on the information that data on Low Noise Designs antennas for these bands can be seen in the July & December 1977 issues of the ARRL "QST" magazine. Worth looking into.

COMMENT DEPARTMENT A few comments were made about me plugging Ham Radio Outlet and Radio West. Sorry if I offended some of you. I was just plugging quality equipment & service for reasonable prices. I saw no harm in reporting where you could get a good deal and save a few bucks. Why didn't those of you who were unhappy about it send in information of other places a good deal could be obtained? It's impossible to print information if you don't have it.

Don't forget to send all info for this column to Sandy Blaize, 417 Ridgewood Drive, Metairie, LA 70001. Let's welcome Sandy by swamping him with Questions & info! Best of luck Sandy.

Good Dx & 73 Ralph



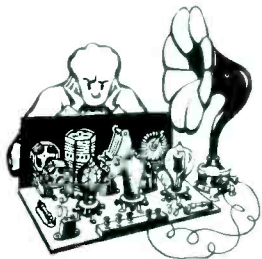
AND NOW A WORD FROM THE SPONSOR.....er.....PUBLISHER

Just what you need huh? A commercial. Well folks, again it seems necessary to remind you that this column, like all the others in SPEEDX, must have YOUR support to survive. From comments rec'd here at HQS, the Technical Topics column is one of the more popular and yet, it receives little support from the membership. Why is this?

Perhaps you feel you have nothing to offer to this column? Strawberry Jam! Sure you do. This column was originated to answer your questions. Do you know EVERYTHING already? No technical matters that bug you? Do you have information on where to obtain hobby items at a fair price, or perhaps where to find parts for that old time super-doooper-DX-scooper? See a new piece of gear recently? Others would like to know about it.

How about a short review on that new piece of gear you just got? (Send long reviews to the Tips & Topics section). Is there a technical topic you would like to see covered? And the list goes on. There are many ways YOU can contribute to this column. How about it gang, let's get our new editor off with a bang! Keep in mind that if you ask for a review on gear that the tech editor does not have, he may ask others to send in the info. I hope you will. The idea is to SHARE information. So, share!

Good DX & 73 Don Johnson



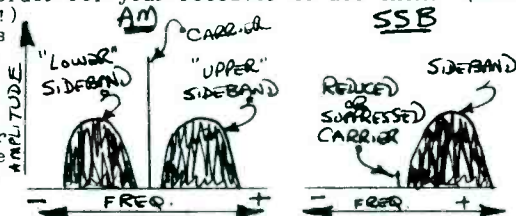
(Due to the missing Utility section this month, we have room to bring you a sample of Sandy's work. Be sure to send all items for TECHNICAL TOPICS to Sandy. Now, what is SSB....)

SANDY BLAIZE, 417 Ridgewood Dr, Metairie, LA 70001

Hello to all you SPEEDX'ers out there. I am happy to be able to continue the fine column recently vacated by Ralph Sanserino, and be of service to SPEEDX. I encourage your technical questions, suggestions and comments. Please be sure to send an SASE if you require an answer to something. I do wish Ralph the best of luck and personally thank him for his past efforts.

SINGLE SIDEBAND (SSB): SSB is now being used experimentally by some SWBC stations for broadcasting. No doubt, you have, by now heard Radio Sweden or The Voice of Free Chile on SSB. We may expect to see more use made of SSB by broadcasters in the future. In order to understand what SSB is, we must first study its "mother": AM or amplitude modulation, which is the predominant mode used in SWBC today.

In an AM transmitter, we transmit a "carrier". This is the signal you hear in the absence of any music or talk. The amplitude or "strength" of the carrier is varied or "modulated" by the program material. (Music/voice). This process generates two more signals called "sidebands", situated on either side of the carrier. (See diagram) These sidebands contain the actual intelligence being broadcast, but the carrier is required for these sidebands to "heterodyne" against in order for your receiver to use them. (Most of us by now know what "hets" are!) In the SSB transmitter, we suppress or reduce the carrier, then eliminate one of the sidebands. Usually the lower sideband. What is left is a SINGLE SIDEBAND with little or no carrier. Most feeder and UTE stations transmit a little carrier as a "reference" for special receiver circuits to "lock" on to.



As you can see, since duplicate information is contained in both sidebands we can throw one of these away. If we generate the carrier within the receiver, then we can eliminate or greatly reduce this too, and concentrate all of our usable power into ONE sideband.

RECEPTION: Now comes the tricky part! If you hear an SSB signal on a set without a BFO (Beat Frequency Oscillator), (Like a DX-40) all you hear is a bunch of mush! If your set has one, turn on the BFO and tune in the signal. No doubt the voices will sound like a frog, Donald Duck or the chipmunks!!! But keep trying until you finally have the signal in its proper relationship with the "carrier" (BFO) and it will sound more or less natural. Some sets lacking a "product detector" will require the gain of the receiver to be reduced by turning down the RF Gain or Sensitivity control. Lacking this, use less antenna.

ADVANTAGES OF SSB: There are many. First, in today's crowded bands, we need more space. An SSB signal takes up less space and we can get about twice as many stations in the same given space as with AM. If everyone used SSB, there would be no more annoying "hets", since all the carriers would be at a very low level. Also gone would be "selective fading", a phenomenon peculiar to AM broadcasting.

DISADVANTAGES: With such a rosy picture, there must be a price to pay... and there is!! Frequency stability of the equipment must be VERY good and virtually "drift free". Stations are much harder and critical to tune in. Music sounds awful and "off-key", and voices sound like Donald Duck unless you are exactly on frequency. Receivers for "hi-fi, broadcast quality" sound, require special "phase locking" circuits and are very complicated and expensive. This type receiver is out of the average SWL/DX'er's reach at present. SSB has taken over the UTE bands, but it will be a while before we see it used by SWBC stations extensively. 73 till next month "Sandy"

SWBC DX - Western Hemisphere

Editors this month:
E. J. "Jim" Whitehead
Tim McCurdy

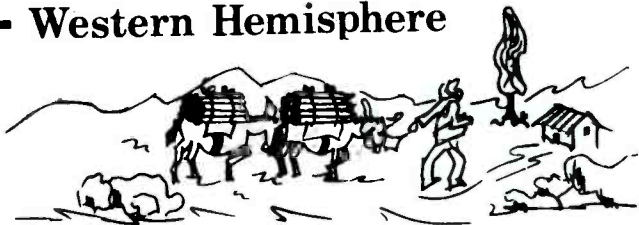
Editor for March and on:

CHRIS HANSEN

St. Joseph's Seminary

Dunwoodie

Yonkers, NY 10704 SHORTWAVE ACTIVITY IN PERU UPDATED



According to a letter from Percy Fernandez Pilco, Director of Telecommunications in Peru received by John Tuchscherer and reported by John Moritz Jr. in "Fine Tuning", the following stations are officially inactive on shortwave: Radio Ayacucho, 4772 khz, Radio Sullana, 4845 khz, Radio Yarincocha, 4905 khz, and Radio Abancay, 5082 khz. The letter also indicated the following stations are officially active on shortwave: Radio El Sol de los Andes, 3230 khz, Radio Wollasuyo, 3250 khz, Radio Junin, 3300 khz, Ondas del Huallaga, 3330 khz, Radio Cooperativa Satipo, 4785 khz, La Nueva Voz del Centro, 4800 khz, La Perla del Sur, 4825 khz, Radio Libertad, 4910 khz, Radio Ucayala, 4950 khz, Radio San Cristobal de Huamanga, 5020 khz, and Radio Avaviri, 5035 khz.

This, of course, is not a complete list as the letter was responsive only to John's questions about the above seldom heard stations. Moreover, as it was an official response, it has listed the nominal, assigned frequencies and many of the stations above have been observed operating on other than the frequency assigned. Therefore, before you jump to the conclusion that the weak station you hear on any of the above listed frequencies is a Peruvian, you would be well advised to consult recent loggings for confirmation the station is indeed operating on that frequency.

S.O.D.R.E. INTERNATIONAL SERVICE

The BBCMS reports that the new International Service of Radio SODRE, reported in this column in October 1977, continues to be heard with regular weekday-only transmissions from 2200-0300 GMT on 11885 khz (CXA-10) and 9515 khz (CXA-6) in the 25 and 31 meter bands respectively. This service consists of music and news bulletins in Spanish with bi-lingual English-Spanish station identification announcements. In addition, there are 15 minute English language newscast-tourist promotion segments aired a 2200, 2300, 0100 and 0230 GMT. According to a letter received by Pitt McNeil and reported by Glenn Hauser in "Listener's Notebook", this English broadcast is prepared by a young woman studying to be a public translator. She only works part time for SODRE and is the only one doing this work.

RADIODIFUSORA NACIONAL DE NICARAGUA

Radiodifusora Nacional de Nicaragua, YNN, has been noted with a 24 hour relay of its domestic, medium wave service on the new frequency of 5920 khz, ex 5945 khz, since mid-December although, at times, this has been erratic. According to the BBCMS power has been limited until now to 50 kilowatts but will soon be boosted to 100 kw, presumably sometime in January. The BBCMS also reports a 15 minute English language program called "Nicaragua Calling" is aired weekdays from 1815-1830 GMT.

BITS AND PIECES

The new Gerente for Chilean broadcaster Emisora Diego Portales, 9571 khz, is Juan Videla Cummings according to a letter veri received by John Moritz Jr.. This letter also indicates 6020 khz as an active frequency. Radio Bucaramanga, 4845 khz, has apparently been reactivated and has been widely reported. This station is a good verifier. As if to prove my point BAD Guy Jerry Berg recently logged Ondas de Huallaga on 3300 khz announcing its official 3330 khz frequency in its ID. This is a tough early morning catch. Over to Tim at this time with the usual reminder that all times are GMT, dates are in the month/day format, and the SW code details reception conditions noted.

NORTH AND CENTRAL AMERICAANTIGUA

BBC

6175 0650 EE; song by Paul Simon "Mrs. Robinson" (444 1/7 Gaede-CA)(Howell-CA)
 6195 *2000 EE; sign-on wld nx (444 12/23 Prath-FL)(Owaley-CA)
 11775 1200 EE; wld nx // 5990, 6195 (453 1/9 Zilmer-WI)(454 12/25 Fraser-MA)
 15260 *2000 EE; IS ID wld nx (333 12/27 Yacono-NY)
 15420 2005 EE; om-wld nx "24 Hours" (555 11/21 Johnson-FL)(444 1/5 Naylor-CA)

DEUTSCHE WELLE

5960 0539 EE; "Germany This Week" (434 12/27 Grenier-CA)
 9690 0600 GG; newscast w/ mentions of Carter (333 1/7 Gaede-CA)
 11810 *1330 GG; sign-on freq's wld nx mx tx 1350 sign-off EE ID relay (555 12/26 Carrier-FL)(Earhart-PA)
 11865 2129 PP; om in EE ID sign-on (444 1/5 Naylor-CA)
 15150 1300 GG; e-on ID wld nx polka mx tx (544 12/28 Carrier-FL)

BELIZE

3285 0135 R. Belize; EE announcement of local events and services mx ID (433 1/9 Donly-SC)(Davis-SC)

CANADA

6005 1800 CFCX; EE nx popular mx (545 12/30 Francis-CT)
 6070 1630 CFRX; EE mx ads (454 12/21 Stone-ONT)(Potaczek-IL)(Fraser-MA)(Jones-MS)
 6130 1639 CHNX; EE pop mx many ads ID's TC's (232 12/11 Lentz-PA)

COSTA RICA

4832 0702 TIHB R. Reloj; SS rumba mx ID call's freq's LA mx (444 12/11 Smith-FL)(Thompson-CA)
 6006 0733 TIHB R. Reloj; SS LA mx ID rumba mx om anncr (343 12/2 Smith-FL)(Yajko-PA)
 9645 1310 TIFC Raro del Caribe: SS local nx and commentary LA mx (333 12/11 Johnson-FL)

DOM. REP

4788a 0430 --- R. Norte; SS Dominican mx ads ID's (333 12/4 Maghakian-NY)(Trautschold)
 4930 0357 HIBE R. Mil; SS tx American mx SS ID's (444 12/30 Francis-CT)(Earhart-PA)(Blaize-LA)(Davis-SC)(Tannenwald-NY)
 11700 2330 HILR R. Clarin; EE DX club nx (333 12/22 Garms-AZ)(Woltman-WI)(Willis-PA)(Hauser-TN)(Howell-CA)(Uerlings-OR)(Grenier-CA)(Florian-IL)(Blaize-LA)(Thompson-NM)(Wall-CA)(Mayer-CA)(Yacono-NY)(Rounds-CA)(Heath-KY)(Francis-CT)(Jackson-OR)(Yajko-PA)(Angeloni-NY)(Johnson-FL)(Hodson-MN)(Stroh-IL)(Prath-FL)(Thompson-CA)(Roper-AL)(Trautschold-WI)

GRENADA

15105 2030 R. Grenada; EE Christmas mx and greetings to UK (333 12/25 Beaudoin-CT)(Baldwin-NG)(Maghakian-NY)(Carrier-FL)(Famularo-NJ)(Francis-CT)(Hauser-TN)(Hansen-NY)

GUATEMALA

2390 1115 TGDS LV de Atitlan; SS Central American "Gaucha" mx ID (221 12/28 Blaize-LA)
 3300 0315 TGNC R. Cultura; EE "Back to the Bible" (433 1/6 Trautschold-WI)(Smith-FL)(Blaize-LA)(Carrier-FL)(Trautschold-WI)(Yajko-PA)(Francis-CT)(Hook-FL)
 3325 0332 TGBA R. Maya; SS LA mx Andean Campesino ID (343 1/6 Trautschold-WI)(Blaize-LA)(323 12/22 Jones-CA)
 3360 1106 TGVN LV de Nahuala; SS Mexican mx TC tx ID (423 12/28 Blaize-LA)(Jones-CA)
 3380 0232 TGCH R. Chortis; SS orch mx vocals guitar mx ID's tx (333 1/4 Thompson-NM)
 6180 1150 TGWB R. Nacional; SS mariaba band TX ID's (333 12/28 Tannenwald-NY)

HONDURAS

4820 0318 HRVC LV de Evangelica; EE yl interviewing om about Christmas (432 12/25 Earhart-PA)(Smith-FL)(Thompson-NM)
 4920 0050 HRPL3 R. Progreso; SS LA mx om anncr (433 12/11 Ireland-TN)(Hansen-NY)

MEXICO

5985 0057 XEMRX R. Mexico; SS mx om/yl tx ID het (322 12/20 Dalum-IN)(Jones-MS)(Jones-CA)
 6105 1210 XEQM Su Pantera; SS Mexican mx ads TC's ID's (333 12/18 Tannenwald-NY)
 6115 1925 XEUDS R. Universidad; SS yl w/tx classical mx at 2000 rock mx (353 12/17 Thompson-CA)
 6165 1120 XEWV LV de America Latina; SS ID freq's pop mx (322 1/4 Jones-MS)
 9505 0500 XENW LV de America Latina; SS mx prgm ID's (12/7 Whitehead-Mexico)

NETH ANT

RADIO NEDERLAND

6165 0600 EE; "His and Hers" severe QRM from SBC s-on at 0600 on same freq (412 12/13
Streveler-HI)(545 12/26 Miller-CA)(Stone-ONT)
9715 0755 EE; Dick and Harry w/ Work and Peoples Program "Focus" (544 12/23 Thompson-
CA)(Gaede-CA)
9770 0815 EE; "Focus" sign-off at 0820 (444 12/16 Smith-FL)
15315 0145 SS; ID's tx listed however as 15310 in latest schedule (322 12/27 Earhart-
PA)
17810 2054 EE; om interviewing yl singer (555 12/24 Hall-CA)

TRANS WORLD RADIO

9540 0800 PP; Christmas mx (433 12/20 Miller-CA)
9590 0900 PP; Christmas mx (433 12/17 Miller-CA)
11790 0218 SS; IS many ID's orch mx vocals Christmas mx (444 12/21 Thompson-NM)
11925 0133* EE; religious tx thought for the day nx headlines sign-off (433 1/2 Lentz-
PA)(Thompson-CA)(Johnson-FL)
15255 1330 EE; Radio Bible Class rel tx prgm (554 12/18 Prath-FL)
15415 2335 RR; IS om w/ RR ID mx (343 12/25 Heath-KY)
15445 0052 SS; Rel prgm ID in background (322 12/11 Brookwell-CA)
17810 2030 EE; nx to Africa (443 12/26 Zilmer-WI)

NICARAGUA

5920 1109 --- R. Dif. Nacional; SS local mx ID SS prgm "Noticiero Campesino" (454
12/19 Lobdell-MA)(Trautschold-WI)(Jones-MS)(Jones-CA)(Johnson-MAN)
(Earhart-PA)(Hauser-TN)(Radtke-CA)(Donly-SC)(Yajko-PA)(Florian-IL)
(Zilmer-WI)(Maghakian-NY)(Tannenwald-NY)(Smith-CA) This must replace 11875
5945 2342 --- R. Dif. Nacional; SS mx TC's clear ID's om/yl annrcs (444 12/25 Heath-
KY)(Howell-CA)(Jackson-OR)(Prath-FL)

SOUTH AMERICA

ARGENTINA

9115 0316* R. Rtdvdavia; SS mx-vibraphone IS ID nx off at 0316 (242 11/22 Hauser-TN)
9690 0300 LRA32 R.A.E; EE mx nx tx about wheat production (333 12/9 Garms-AZ)
(Howell-CA)(Heath-KY)(Bryan-CA)(Mayer-CA)(Gaede-CA)(Stone-ONT)
(Yacono-NY)(Jackson-OR)(Yajko-PA)
11710 2335 LRA35 R.A.E; EE folk mx discussion of OAS (433 12/23 Earhart-PA)(Hodson-
MN)(Prath-FL)(Yajko-PA)(McCurdy-CA)
15345 1504 LRA33 R. Nacional; SS om w/ nx ID (333 12/15 Thompson-CA)

BOLIVIA

4797 0410 CP73 R. Nueva America; SS call letters address ID s-off at 0412 (433 12/29
4875 0205* CP75 La Cruz del Sur; SS/EE ID's sign-off (433 12/18 Jones-CA)

BRAZIL

2490 0227 ZYA R. Educadora Rural; PP barely audible some fade ins rock mx ID as R.
Coari s-off at 0226 (12/31 Hauser-TN) Coari is the name of the city too
isn't it Glen? Probably a name change ed.
4835 0339 PRC5 R. Clube do Para; PP clear ID then disco & rock mx (333 11/14 Lobdell-
MA)
4905 0110 ZYD71 R. Relogio Federal; PP tx time signal (222 12/26 Tannenwald-NY)
4915 0824 ZYE2 R. Dif Macapa; PP rapid tx om DJ lively Latin mx (343 12/11 Wall-CA)
(Tannenwald-NY)
4985 0812 ZYX2 R. Brasil Central; PP Portuguese ballads ID (343 12/11 Wall-CA)
(Grenier-CA)(Trautschold-WI)
5025 0215 ZYJ21 R. Borborema; PP mx tx ID (323 12/25 Tannenwald-NY)
5045 0225 ZYX24 R. Cultura do Para; PP Brazilian mx ID (333 12/25 Tannenwald-NY)
6085 0035 ZYB87 R. Jornal do Comercio; PP soccer match commentary rapid fine ads
(333 1/12 Whitehead-Venezuela)
6095 0239 ZYB7 R. Dif. Sao Paulo; PP Brazilian mx om w/ ID's (444 12/22 Hall-CA)
9595 1018 ZYN29 R. Cultura Bahia; PP ads id Brazilian mx (333 12/27 Yajko-PA)
9665 0930 PRL8 R. nacional; PP popular Brazilian mx announcements (353 12/21 Jackson-
OR)(343 12/27 Yajko-PA)
9675 1000 ZYT29 R. Diario da Manha; PP light mx mentions of Brazil ID's (232 12/21
Jackson-OR)
11780 2005 PRL8 R. Nacional; PP om w/ Brazilian mx tx heavy QRM from WYFR (211 1/4
Thompson-CA)(222 12/26 Yacono-NY)(Hall-CA)
11785 0205 ZYU61 R. Guaba; PP tx ID's (343 12/28 Yajko-PA)
11805 2336 ZY265 R. Globo; PP ID's ads (433 12/27 Yajko-PA)
11915 1212 PRC23 R. Gaucha; PP Brazilian pop mx ID's (222 1/5 McCurdy-CA)

BRAZIL cont

11925 0226 ZYE239 R. Bandelzantes; PP fairly strong signal ID's mentions of Sao Paulo (332 12/27 Earhart-PA)(Maghakian-NY)
 15265 2330 ZYE235 R. Excelsior; PP IS ID mx ads (332 1/9 Zilmer-WI)

CHILE

6683 0439 CB668 V. of Free Chile; SS relay of Voice of Free Chile on suppressed carrier IS 4 note chime (222 12/22 Brookwell-CA)
 9566 0115 CB956 V. of Free Chile; EE tx by yl on Chile's national ballet (333 1/9 Lobdell-MA)(Zilmer-WI)(Heath-KY)
 9750 1053 CE975 R. Minería; SS om w/ nx several ID's ads tx slight QRM from DW/APRTS (433 12/20 Thompson-CA)
 11705 0220 CE117 V. of Free Chile; EE yl ID nx political tx sked address (343 1/4 Famularo-NJ)(Willis-PA)(Earhart-PA)(Hauser-FR)(Baldwin-NC)(Hall-CA)(Heath-KY)(Yacono-NY)(Radtko-CA)(Yajko-PA)(Johnson-FL)
 11810 0210 CE118 V. of Free Chile; EE nx by yl ID's (10/6 Howell-CA)(Jackson-OR)(Zilmer-WI)(Heath-KY)
 15130 0020* CE1513 V. of Free Chile; EE nx commentary UN attack of Chile sign-off at 0020 (444 12/25 Streveler-HI)(Lentz-PA)(Thompson-CA)(Florian-IL)(Somers-CA)(Famularo-NJ)(Bryan-CA)(Mitchell-CA)(Stone-ONT)(Mounts-CA)(Constantines-Greece)(Davidonis-MA)(Johnson-FL)(Smith-CA)
 15150 2305 CE1515 V. of Free Chile; EE yl w/ nx heavy QRM from Moscow (222 12/27 Thompson-CA)(Prath-FL)(Elder-SASK)
 17713 2248 CE177 V. of Free Chile; FF new freq ex 17810 harp mx (12/14 Hauser-TN)

CLANDESTINE

7085 2337 R. Abdala; SS "Ave Marie" song every few minutes anti Soviet anti Castro propaganda 2001 Space Odyssey theme and s-off at 2348 torn apart by hams (12/25 Hauser-TN)

COLOMBIA

4755 1100 HJEU Emis. Nueve Munno; SS nx tx by 2 om (333 12/26 Prath-FL)(Grenier-CA)
 4785 0332 --- Ecos de Combeima; SS New Years Eve Program (322 12/31 Jones-MS)(Hansen-NY)(Tague-OK)
 4815 0445 HJSG R. Guatapuri; SS Christmas celebration ID's (333 12/25 Tannenwald-NY)(Prath-FL)(Jones-CA)
 4845 0030 HJGF R. Bucaramanga; SS Colombian mx ID's (333 12/29 Tague-OK)(Jones-MS)(Watts-IN)(Blaise-LA)
 4855 0458 HJFV R. Neiva; SS om w/ID (444 12/23 Hall-CA)
 4865 1116 HJLZ LV del Cinaruco; SS ads early morning prgm ID "emisora Caracol" (332 12/16 Jones-MS)
 4885 0858 HJIG Ondas del Meta; SS Coca-Cola ads ID orch vocal mx (322/1 Hansen-NY)(Florian-IL)(Blaise-LA)(Jones-CA)
 4925 0400 HJJU Emis. Meridiano 70; SS Colombian mx TG's ID's (Tague-OK)(Jones-CA)
 4945 0300 HJDH R. Colosal; SS Colombian mx ID's (343 12/30 Franzis-OK)(Roper-AL)(Earhart-PA)(Thompson-CA)(Wall-CA)(Carrier-FL)(Trautschold-WI)(Jones-CA)(Potaczek-IL)(Prath-FL)
 4965 0503 HJAE R. Santa Fe; SS ID Colombian mx (333 12/27 Mayer-CA)(Prath-FL)(Jones)
 5010 0325 HJGX R. Surcolombiana; SS noticias and musica Caracol ID ads (333 12/31 Tague-OK)(Jones-CA)(Prath-FL)
 5040 1103 HJOW R. Cinco; SS ID by om ad string (333 1/9 Lobdell-MA)(Trautschold-WI)(Jones-CA)
 5095 0230 HJGG R. Sutatenza; SS Colombian mx wld nx ads (333 12/2 Stone-ONT)(Jackson-CA)
 5955 1031 --- LV de los Centauros; SS ID by om ad string vocals (333 1/3 Lobdell-MA)(Yajko-PA)
 6065 0952 HJAX R. Super; SS LA vocals ID's (434 12/27 Yajko-PA)(Jones-CA)
 6115 1035 HJIA LV del Llano; SS LA mx ID's (434 12/27 Yajko-PA)(Prath-FL)
 6150 0927 HJFR LV del Huila; SS mx ID's (433 1/5 Jones-CA)(Stone-ONT)(Prath-FL)
 6160 0310 HJKJ Emis. Nueva Granada; SS Colombian mx ads ID's (433 12/22 Tannenwald-NY)
 6180 1210 HJGG R. Nacional; SS light Colombian mx tx ID's TG's (333 Maghakian-NY)
 9655 0515 HJZM R. Nacional; SS classical mx TG's ID's (322 12/20 Jackson-OR)(Howell-CA)
 11792 1730 HJZN R. Nacional; SS tx mx // 15334 (322 12/26 Zilmer-WI)
 15335 2200 HJZF R. Nacional; SS ID interview prgm about water canals classical mx (423 12/17 Leon-PA)(Jones-CA)

CUBA (wrong section)

9525 0628 RHC; EE IS anthem s-on tc (555 12/7 Jackson-OR)(Miller-CA)(Gaede-CA)
 9685 0359 RHC; EE om/yl annrc editorial anti Egyptian (322 12/22 Smith-CT)(Willis-PA)(Snyder-NY)

CUBA cont

11725 0100 RHC; EE nx om/yl commentary on "Great October Revolution" (4/4 11/15 Johnson-FL)
 11760 0545 RHC; EE nx ID's (333 12/25 Garms-AZ)(Grenier-CA)(Carrier-FL)(Stone-ONT)
 11970 2330 RHC; SS ID guitar mx (212 Yacono-NY)
 15230 1443 RHC; SS om w/ "Aroba Musical" prgm (555 1/4 Thompson-CA)
 17885 2030 RHC; EE om/yl w/ nx ID's (32; 12/11 Baldwin-NC)(Levesque-IL)(Carrier-FL)(Stone-ONT)

ECUADOR

3325 0410 HCHA2 Ondas Quevedenas; SS lively folk mx clear ID tx by om (333 12/29 Florian-IL)
 3380 1159 HCDY4 R. Iris; SS Ecuadorian mx ID TC's (322 1/1 Jones-MS)(Blaise-LA)
 3390 0351 HCOT1 R. Zaracay; SS LA mx (232 12/23 Bryan-CA)(Blaise-LA)
 3985 1020 HCER5 Esc. Radiofonicas Populares; SS Ecuadorian mx ads ID's (322 1/6 Tague-OK)
 4680 0248 HCWE1 R. Nac. Espejo; SS mx (some Christmas ID's (343 12/25 Earhart-PA)(Carrier-FL)(Thompson-NM)
 4765t 0215 HJAJ2 R. Dif. del Ecuador; SS various LA mx tx between selections (242 12/23 Trautschold-WI)
 4800 0509 HCMB5 R. Popular; SS catchy vocals guitar mx tx (333 12/29 Florian-IL)(Trautschold-WI) I'm sure this is your tentative logging John ed.
 4890 0457 HCER5 R. Continela del Sur; SS Light LA vocals tx s-off at 0500 (222 12/29 Florian-IL)
 4911 0622 HCMJ1 Emis. Gran Colombia; SS Colombian mx tx by om ID (343 1/5 Florian-IL)(Tannenwald-NY)(434 1/4 Jones-CA)
 4960 1135 HCSE7 R. Federacion; SS classical mx ID's om DJ (333 12/31 Heath-KY)
 5060 0323 HCEH3 Sist. de Emis. Progreso; SS Ecuadorian mx (232 12/27 Bryan-CA)(Jones-CA)(Brookwell-CA)

GALAPAGOS ISLAND

4810 0004 HCVG8 LV de Galapagos; SS rel mx om tx QRM (422 12/22 Dalum-IN)(Heath-KY)(Trautschold-WI)

GUYANA REP

3290 0120 GBS; EE Caribbean mx mixed with soul mx ID's ad for drug store (131 1/10 Whitehead-Venezuela)

GUYANA FRENCH

3385 0953 FR3; FF tx by 2 om (333 1/3 Lobdell-MA)(Hansen-NY)(Tannenwald-NY)

PERU

4790 0511 OAX8F R. Atlantida; SS pop mx tx by om TC's (322 12/29 Florian-IL)(Jones-CA)(Trautschold-WI)(Bryan-CA)(Yajko-PA)(Tannenwald-NY)
 4860 0420 OBZ4Z R. Chinchoycocha; SS Andean mx with TC's ID's (333 12/31 Tague-OK)
 5980 0544 OBX4M R. Panamericana; SS ID mx (222 12/20 Trautschold-WI)
 6020 1028 OAX4Q R. Victoria; SS LA mx Andean mx om w/tx (243 12/19 Trautschold-WI)
 6082 0000 OAX4Z R. Nac. de Peru; SS tx local mx (332 12/22 Zilmer-WI)
 6099 0123 OAX4H R. Nacional 80; SS Peruvian mx ID's TC's (423 12/23 Hall-CA)
 6115 0155 OBZ4O R. Union; SS LA mx om w/tx ID (433 12/23 Hall-CA)
 9505 1001 OAX4V R. America; SS ID Peruvian mx (333 12/9 Smith-FL)(Rounds-CA)(Howell-CA)(Zilmer-WI)(Hall-CA)
 9515 1106 OAX4J R. la Cronica; SS ID vocals (322 1/9 Lobdell-MA)

SURINAM

4780 0853 SRS; DD Indian sub-continental tunes announcements (333 1/3 Lobdell-MA)(332 1/2 Florian-IL)(Mayer-CA)(Hansen-NY)

URUGUAY

9515 0100 CXA71 S.O.D.R.E; EE "News from our Country" travel program (322 12/17 Hopkins-PA)(Lobdell-MA)(353 12/28 Jackson-OR)(Yajko-PA)(Heath-KY)(Radtke-CA)(Franzle-CT)(Watts-IN)(Fraser-MA)
 11885 0038 CXA68 S.O.D.R.E; SS tx by yl ID Christmas mx (343 12/24 Maghakian-NY)(Donly-SC)

VENEZUELA

2340t 0050 YVPL R. Nueva Esparta; SS om w/ ads and prices Mexican mx tentative do to high level of noise and weak signal (151 1/10 Whitehead-Venezuela)
 3225 0100 YVFC R. occidente; SS "Fiesta Musical" prgm ballads like "Circulos" UTE QRM (343 1/9 Whitehead-Venezuela)
 3245 0110 YVKT R. Libertador; SS baseball game (Caracas vs Anuca) ads (444 1/10 Whitehead-Venezuela)(Yajko-PA)

VENEZUELA cont.

- 3255 1009 YVQL LV del Tigre; SS LA vocals ID's (343 12/27 YaJko-PA)(Trautschold-WI) (Prath-FL)
- 3275 0140 YVMC R. Mara; SS ID "Desde Paraiso R. Mara" dance mx (454 1/10 Whitehead-Venezuela)
- 3325 0134 YVRA R. Monagas; SS "Vida Eficiencia" prgm tx about small pox vaccinations (454 1/10 Whitehead-Venezuela)
- 3395 0310 YVCI R. Universidad; SS mx om anncr ID's ads (343 11/23 Heath-KY)(YaJko-PA) (Blaize-LA)
- 4770 1019 YVNW R. Bolivar; SS ads signing ID (343 1/3 Lobdell-MA)(Famularo-NJ) (Blaize-LA)(Ireland-TN)(Grenier-CA)(Hall-CA)(Bryan-CA)(Earhart-PA) (Trautschold-WI)(Prath-FL)
- 4780 1036 YVLA LV de Carabobo; SS ID nx (322 1/9 Lobdell-MA)(Hall-CA)(McCurdy-CA) (Jones-MS)
- 4800 0315 YVMO R. Lara; SS LA mx many ID's by om (444 1/7 Grenier-CA)(Famularo-NJ) (Prath-FL)
- 4810 0400 YVNG R. Popular; SS tx and LA mx ID's (444 12/28 Franzis-CT)
- 4840 0300 YVCI R. Valera; SS om anncr and local mx (433 12/14 Ireland-TN)(Hall-CA) (Maghakian-NY)
- 4850 1048 YVXK R. Capital; SS ads nx by om/yl (444 1/9 Lobdell-MA)(Jones-MS)
- 4860 0330 YVQE R. Maracaibo; SS Venezuelan pop mx ID (342 12/29 Jackson-OR)
- 4970 1017 YVLK R. Rumbos; SS 2 om w/ nx ID's tx (333 12/23 Thompson-CA)(Constantindes-Greece)
- 4880 1115 YVMS R. Universo; SS signing ads tx ID mx (333 12/28 Blaize-LA)
- 4900 0230 YVMK R. Juventud; SS American pop mx (343 1/7 Hopkins-PA)(Baldwin-NC) (Grenier-CA)(Mayer-CA)(Thompson-CA)(Jackson-OR)(Davis-SC)
- 4940 0345 YVPA R. Yaracuy; SS pop mx om ID's TC's (353 12/28 Heath-KY)
- 4980 0005 YVOC Ecos del Torbes; SS ads SS mx ID's (443 11/25 Davis-SC)(Tannemwald-NY) (Earhart-PA)(Jackson-OR)(Franzis-CT)
- 4990 0300 YVNG R. Barquisimeto; SS Venezuelan mx ads ID signoff at 0400 (342 12/29 Jackson-OR)(Thompson-CA)(Thompson-NH)(Prath-FL)
- 5030 1005 YVNH R. Continte; SS nx (333 12/23 Thompson-CA)(Roper-AL)(Franzis-CT) (Stone-ONT)(Heath-KY)(Potaczek-IL)(Prath-FL)
- 6130 1304 YVTE R. Valles del Tuy; SS ID (1/3 Hauser-TN)
- 9660 0600 YVLM R. Rumbos; SS Venezuelan mx nx prgm (11/1 Howell-CA)(Roper-AL) (Thompson-CA)(Jackson-OR)(YaJko-PA)(Prath-FL)

That's it for this month, with many thanks to all the new reporters and, or course, our regulars. This edition also marks the end of my temporary editorship. I have enjoyed doing the Western Hemisphere column for the past 8 months and have learned a lot about the Latin American scene while doing so. I want to thank all of you who supported me with loggings and words of encouragement. I hope you will all give the same support to new editor Chris Hansen. Effective immediately send all material to: CHRIS HANSEN, ST. JOSEPH'S SEMINARY, DUNWOODIE, YONKERS, NY 10704.

73 Tim

::

RADIO CLARIN

Don Johnson

A refreshing new voice(actually, re-newed) in English from the Caribbean is being widely heard and reported by hobbyists throughout the world. From Santo Domingo in the Dominican Republic, Radio Clarin is offering an international program in English. From 2130 - 2200 GMT and 2300 - 0000 GMT on 11700 kHz Monday through Saturday you can tune in a "unique" program.

What makes this program "unique"? In two words, Rudi Espinal! Rudi is the host of this informal hour and a half. It would really be difficult to describe what Rudi presents each day. Perhaps a one man "His & Hers". Maybe an organized disorganization. At any rate, it is very refreshing, and very different from any other station on shortwave radio. I urge all to tune in at least a few times and see(or hear)for yourself. You won't believe it the first time or two. Very relaxed plus bringing you interesting information about the Dominican Republic, as well as real Dominican music.

Is Radio Clarin here to stay this time? It will be if YOU take the time to write in with your reports, comments & suggestions. I phoned Rudi in Santo Domingo on January 26th to see if he was for real. He is! A nice chap who wants to promote the SWling hobby and create a program that will be popular. He needs your letters to convince management That the program is being heard. Write to Rudi at:Radio Clarin, P. O. Box 205, Zone 2, Santo Domingo, Dom Rep.

Mention that you are a member of SPEEDX when writing to Rudi.



Editor:

WADE SMITH
59 BENOIT STREET
WESTPORT, MA 02790

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

ALBANIA

- 5057 0603 R. Gjirokaster: Albanian, Chorus numbers by children (232 12/29 Florian-IL)
6200 0230 R. Tirana: EE, Yl w/ tlks on Communism (322 12/9 Hodsdon-MN)(343 12/28 Fowler-ONT)(434 12/24 Yajko-PA)(433 1/3 Chituck-MD)
- 7065 2213 R. Tirana: EE, tlk abt "Tankee Imperialism" (444 12/12 Yajko-PA) to Europe. 0000-EE (545 12/28 Koval-NJ)(455 12/13 Fraser-MA)(454 12/31 Heath-KY)(544 12/20 Donly-SC)(454 12/5 Prath-FL)to North America. ps.
- 7120 *0100 R. Peking Relay via Tirana: EE, IS, ID, Nx, CC songs to Mao (444 12/27 Famularo-NJ)(454 12/19 Fraser-MA); 0200-SS (343 12/25 Yacono-NY)
- 7300 0330 R. Tirana: Pgm on Russian Imperialists (555 12/24 Hook-FL)
- 9480 1645 R. Tirana: EE, Tlks on US & RR Arms Build up (434 12/21 Stone-ONT)
- 9485 2040 R. Tirana: EE, Economic tlk, cntry (433 1/1 Yajko-PA)
- 9500 0640 R. Tirana: EE, Cntry on US Agression (444 12/24 T. Smith-FL)(1957* 322 12/30 Famularo-NJ)
- 9750 *0000 R. Tirana: EE, Usual propaganda on Factory Production (232 1/8 Florian-IL) (333 12/25 Yacono-NY)
- 9780 0103 R. Peking Relay via Tirana: EE, Nx, cntry on Africa (444 12/7 Fowler-ONT) (433 12/11 Prath-FL)
- 11985 1400 R. Tirana: EE, Comments on Pres Carter's Overseas trip (554 12/29 Carrier-FL)

AUSTRIA

- 6015 0430 Osterreich Rundfunk: EE, Nx, tlks (433 11/31 Maghakian-NY)(353 12/27 Radtke-CA)(333 12/28 Beaudoin-CT); 0530-OG (222 12/19 Brookwell-CA)
- 6155 *0330 ORP: EE, IS, ID, Nx, Cntry on '77, 0355* (444 1/3 Pecenska-IN); 0130-EE (433 12/28 Stone-ONT)(333 12/16 Earhart-PA)(543 12/9 Lindsey-NJ)
- 9770 0145 ORP: EE, Nx, tlk on local Christmas customs (433 12/10 Bycura-PA)(434 12/28 Yajko-PA)(422 12/22 Mayer-CA)(322 12/31 Rounds-CA)(444 12/28 Earhart-PA)(322 12/30 Paolini-CT)(333 12/28 Koval-NJ); 0000-OG (453 12/1 Fraser-MA)
- 1770 1831 ORP: EE, cntry on Christmas in Austria (343 12/24 Beaudoin-CT)

BELGIUM

- 6080 0015 BRT/RTB: EE, "This is Brussels Calling" (333 12/22 Mayer-CA)(444 12/27 Heath-KY)(343 1/2 Pecenska-IN)(433 12/18 Hall-CA)(444 12/30 Earhart-PA)(422 12/12 Lindsey-NJ)(322 12/15 Willis-PA)(323 12/23 Wall-CA)(454 12/19 Bonner-OH)(343 11/29 Johnson-FL)

BULGARIA

- 5915 2140 R. Sofia: EE, Cntry on Israel's armament (454 12/7 Fraser-MA); 0430-SS (544 12/6 Peck-NY) OH)
- 6070 0000 R. Sofia: EE, Nx (422 12/13 Zilmer-WI)(444 12/27 Heath-KY)(454 12/19 Bonner-OH)
- 7100 0440 R. Sofia: EE, Nx, (444 1/1 Snyder-NY)(444 12/24 Heath-KY)
- 7115 0430 R. Sofia: EE, ID, Times & Freq. (344 12/25 T. Smith-FL)
- 9560 2023 R. Sofia: EE, Nx, Political tlks. (433 1/1 Yajko-PA)

CZECHOSLOVAKIA

- 5930 0137 R. Prague: EE, ID, "Art in Czechoslovakia", read letters, Mx, 0155* (333 12/31 Skora-ONT)(443 12/4 Prath-FL)(333 12/9 Stone-ONT)(333 12/19 Fowler-ONT); 0030-Czech Slovak (444 1/3 Lentz-PA)
- 7345 0100 R. Prague: EE, Nx, Sports, Folk Mx (454 12/10 Fraser-MA)(454 1/2 Pecenska-IN) (322 12/27 Mayer-CA)(322 12/26 Pearson-PA); 0330-EE (454 1/1 Bonner-OH)(443 12/21 Prath-FL)(454 12/14 Jackson-OR)
- 9540 0104 R. Prague: EE, Nx prog (323 12/24 Yajko-PA)
- 9605 1432 R. Prague: EE, Nx, Mx, Cntry (323 12/17 Miller-CA)
- 9630 0200 R. Prague: SS, Tlks & Annmnts by OM (534 Howell-CA)
- 11990 1530 R. Prague: EE, Nx & Cntry (323 12/21 Elder-SASK)(211 12/30 Yacono-NY)
- 17840 1556 R. Prague: EE, 1960's style of Mx, IDs (243 12/18 Hall-CA)

DENMARK

- 15165 1300 R. Denmark: EE/Danish ID, Nx in Danish (454 12/4 Fraser-MA)(444 12/26 Donly-

SC)

FINLAND

11755 1900 R. Finland: EE, Nx, tlks, ID (353 12/27 Jackson-OR)
 15105 *1300 R. Finland: EE, IS, ID, Nx, report on Christmas customs //15260 (454 11/21
 Heath-KY)(555 12/23 Bonner-OH)(433 1/1 Prath-FL)(454 12/21 T. Smith-FL)(444
 12/30 Yajko-PA)(333 12/11 Earhart-PA)(333 12/18 Willis-PA)(444 12/18 Beaudoin-
 15260 1300 R. Finland: EE, Nx, 15105 (332 12/26 Zilmer-WI)(333 12/26 Beaudoin-CT) CT)

FRANCE

5990 *0552 Radio France International: FF, svc for Algeria (per WRTH '77), 0555 M tlc w/
 ID and anmts, followed by Mx (FF MOR vocals). (433 12/30 Trautschold-WI)
 9540 0637 RFI: FF, Vocal, Blues, OM ID's (333 12/31 Hall-CA)
 9575 1555 RFI: FF, YL, IDs, Freqs. (444 12/22 Hall-CA)
 9745 0720 RFI: FF, OMtlks w/ IDs (333 12/27 Hall-CA)
 11705 1745 RFI: EE, OM, Nx, Mx, "Paris Calling Africa" (322 12/25 Hodsdon-MN)(222 12/26
 Grenier-CA);1830-FF (343 12/25 Bryan-CA)
 11770 1100 RFI: FF, OM, IDs, Tlks (444 12/25 Hall-CA)
 11860 1702 RFI: EE, "Paris Calling Africa" (343 1/8 Grenier-CA)
 11890 1700 RFI: EE, "Paris Calling Africa" //11705, 11830, 11860, 11930, 9605 (554 12/27
 Jackson-OR); 1856-FF (232 12/25 Bryan-CA)
 11930 1703 RFI: EE, "Paris Calling Africa" (343 1/2 Pecenka-IN)(444 12/19 Hall-CA)(343
 12/7 Beukelman-HOLLAND)(454 12/23 Heath-KY)
 11965 1730 RFI: EE, FF Mx w/ EE tlks (433 12/25 Prath-FL)(433 12/16 Hodsdon-MN)(444 12/24
 Stone-ONT)(343 1/4 Thompson-CA)
 15200 1730 RFI: EE, Nx, Mx (454 12/23 Bonner-OH)(333 12/30 Hallberg-IL)(454 12/26
 Johnson-FL)
 15210 1720 RFI: EE, "Paris Calling Africa" //15300, 15360, 15425, 11705, 11690, 11930 &
 11965 KHz. (444 12/12 Yajko-PA)(454 12/18 T. Smith-CA)(433 12/18 Hall-CA)
 15300 1716 RFI: EE, "Paris Calling Africa" (322 12/17 Miller-CA)
 15360 1717 RFI: EE, OM w/ Christmas wishes (443 12/24 Mayer-CA)
 15425 1735 RFI: EE, "Paris Calling Africa" (454 12/29 Carrier-FL); 1817-FF (343 12/25
 Bryan-CA)
 21580 1545 RFI: FF, OM & YL w/ IDs (232 12/14 Uerlings-OR)(343 12/26 Earhart-PA)

GERMANY, DEMOCRATIC REPUBLIC OF

9730 1833 R. Berlin International: EE, Nx of GDR and plans for 1978 (333 12/26 No Name!)
 (0103-EE 232 1/10 Thompson-CA)
 15240 *1245 Radio Berlin International: GG, IS, ID followed by Nx (444 12/23 Yacono-NY)
 17880 1435 Radio Berlin International: EE, OM, tlc on East German village, (433 12/24
 Carrier-FL)(333 12/25 Zilmer-WI)(232 12/29 Paolini-CT); 1240-EE (333 1/9
 Lobdell-MA)
 21540 1400 Radio Berlin International: EE, Nx, Cmnty, Mx (242 1/1 Zilmer-WI)

GERMANY, FEDERAL REPUBLIC OF

3995 0526 Deutsche Welle: GG, Christmas Mx, tlks by YL (444 12/? T. Smith-FL)
 6085 0745 Bayerischer Rundfunk: GG, Ads for K-tel record sets, FM style type of format,
 Played everthing from Johnny Cash to Dave Edmonds to "Bier Hier Bier Hier",
 ID, Thought only USA DJs were crazy (344 1/7 Levesque-IL)
 6100 0530 Deutsche Welle: EE, Nx & Cmnty (444 12/15 Hook-FL)
 6145 0436 Deutsche Welle: GG, GG Rock Mx, OM DJ (444 12/23 Bryan-CA)
 7150 0503 Deutsche Welle: EE, OM w/ Nx (333 1/8 Hall-CA) to Central & East Africa. ps.
 9650 0938 Deutsche Welle: EE, Mx, "Weekend Review" (444 12/31 T. Smith-FL)
 9765 2145 Deutsche Welle: EE, Life story of Steve Bikothen (222 12/21 Yacono-NY)
 11850 1020 Deutsche Welle: EE, Mx, OM DJ/ to Asia (232 12/18 Prath-FL)(444 12/24 Hall-CA)

GREAT BRITAIN

5975 0245 BBC: EE, Radio Play, Orch. Mx, TC, (333 1/7 Thompson-NM)(333 12/12 Bryan-CA)
 ; 0725-EE (343 12/2 T. Smith-FL)
 6050 0530 BBC: EE, "Face of England" (433 1/1 Zilmer-WI)
 7150 0827 BBC: EE, Pgm of Christmas carols (333 12/24 Hall-CA)
 7200 0435 VOA Realy: EE, "Breakfast Show" (444 12/30 Florian-IL)
 9410 1910 BBC: EE, OM DJ, Soul Mx (333 12/25 Bryan-CA)(444 12/26 Smith-OH)(433 1/2
 Willis-PA)
 9640 0911 BBC: EE, OM w/ Press Review (444 1/1 Hall-CA)
 11750 2115 BBC: EE, Sandy Jones Show (343 12/23 Fraser-MA)
 12095 1430 BBC: EE, Comedy--"Steptoe and Son" (454 12/4 Fraser-MA)(343 12/24 Thompson-
 NM)(253 12/20 Pecenka-IN)(454 12/26 Fraser-MA)
 15070 1737 BBC: EE, OM w/ Cmnty on the Philosophy of the Christmas season (343 12/25
 Bryan-CA)(444 12/28 T. Smith-CA)(353 12/26 Thompson-NM)
 17695 1500 BBC: EE, OM, "This week in Africa", Nx (554 12/24 Carrier-FL)
 17790 1305 BBC: EE, Tlc abt MidEast negotiations (433 12/19 Earhart-PA)
 21710 1609 BBC: EE, OM w/ European Nx (344 12/10 Uerling-OR)

Boston Area DX'ers... Meeting Feb. 19'th 1978...Details will follow...A great time is planned!

GREECE

- 6140 1900 Voice of Greece: Greek, IS, NA, Nx by OM/ into EE @ 1920, Nx by YL (333 12/24 Maghakain-NY)
 7170 0525 VOA Relay Kavala: EE, Cmnty on OPEC Conference (333 12/21 T. Smith-FL)
 9530 1915 Voice of Greeks: EE, Nx until 1930 into FF Best (?? ?/? Zilmer-WI)
 9760 0215 Voice of Greece: EE, Nx only (222 12/10 Hook-FL)(0015-EE 332 12/29 Heath-KY) (0300-EE 333 12/26 Fowler-ONT)(0018-EE 322 1/5 Chituck-MD)(0135-Greek 344 12/29 T. Smith-FL)
 11730 0015 Voice of Greece: EE, Nx by OM, MX (433 1/2 Bycura-PA)(444 12/31 Rounds-CA) (454 12/12 Fraser-MA)(343 12/3 Johnson-FL); 0220-EE (333 12/1 Stone-ONT) ;1525-EE (322 12/26 Yacono-NY)(444 12/19 Hall-CA)(433 12/23 Uerlings-OR) ;0000-Greek (444 12/12 Naylor-CA)(433 12/29 Peck-NY); 0120-Greek (555 12/29 T. Smith-CA)
 15345 1235 Voice of Greece: Greek, Lively Greek folk Mx, ID @ 1245, more Mx (433 ?/? Maghakain-NY)

HUNGARY

- 6000 2100 R. Budapest: EE, Nx, Mx, Id, (333 12/23 Donly-SC); 0430*-EE (523 1/1 Snyder-NY)(433 12/31 Maghakain-NY)
 6080 0300 R. Budapest: EE, "Look at '78 in Hungary" (554 12/20 Bonner-OH)
 6105 0300 R. Budapest: EE, Yl w/ Impressions of a film festival (444 12/27 Heath-KY) (454 1/3 Pecenska-IN)
 6110 2105 R. Budapest: EE, Nx, cmnty & request pgm //6060, 7200 (444 12/30 Maghakain-NY)
 6160 0200 R. Budapest: EE, Nx, cmnty, ID (333 12/30 Heath-KY)(444 12/14 Stone-ONT) (433 12/23 Zilmer-WI)(332 12/6 Ireland-TN)(433 12/28 Yajko-PA)
 9585 0200 R. Budapest: EE, Nx // 6160 (433 12/26 Zilmer-WI)
 11910 0206 R. Budapest: EE, tlks on Mid East Peace meetings (343 12/29 Yajko-PA)(322 12/22 Mayer-CA)
 15160 1205 R. Budapest: EE, Nx & Cmnty (322 12/23 Yacono-NY);1145-Greek (443 12/29 Peck-NY)

ITALY

- 6010 0110 Radiotelevisione Italiana: EE, tlks on the meaning of Christmas (323 12/25 Yacono-NY)(444 12/23 Hall-CA)(333 12/15 Willis-PA)(444 11/30 Stone-ONT)
 9575 0102 RAI: EE, Nx by YL (422 12/27 Mayer-CA); 2350-Italian (443 12/13 Prath-FL) ;0132-FF (322 12/21 Rounds-CA)
 11905 2205 RAI: EE, Nx by YL, ID, Cl Mx (343 12/27 Donly-SC)(221 1/1 Prath-FL)
 17755 1400 RAI: Italian, Nx to Montreal & Toronto (344 12/18 Beaudoin-CT)(454 12/25 Carrier-FL)

LUXEMBOURG

- 6090 0040 R. Luxembourg: EE, OM, "Big L" Rock Mx (322 12/8 Ireland-TN)(343 12/27 Koval-NJ)(433 12/28 Peck-NY)(353 1/2 Pecenska-IN)(333 12/18 Prath-FL)(444 12/26 Mayer-CA)(343 12/6 Prath-FL)(333 12/25 Fowler-ONT)

MALTA

- 5990 2030 Radio Mediterran: EE, Rel tlks & Yx from IBRA Radio; IDs (343 12/11 Dalum-IN)
 6100 0128 Deutsche Welle Relay: EE, ID, OM, Nx, summary of NATO conference (554 12/10 Carrier-FL)(444 1/3 Howell-CA)(343 12/16 Prath-FL)

MONACO

- 7105 *0725 Trans World Radio: EE, IS, ID, Mx w/ Religious pgm (444 12/17 Heath-KY)(444 12/31 Hansen-NY)(433 12/2 T. Smith-FL)
 7125 0728 Trans World Radio: EE, "Way of Truth" I am sure of the freq. + 2 KHz. (544 1/1 Watts-IN)psbl xmtr problems? ps.

NETHERLANDS

- 6020 2200 R. Nederland: EE, Interview on Child abuse (444 12/23 Fraser-MA)
 6085 *2130 R. Nederland: EE, s/on into Nx pgm (433 12/23 Yajko-PA)
 7210 0817 R. Nederland: DB, Theme from "2001", OM Nx (434 12/24 Hall-CA)
 9715 *2130 R. Nederland: EE, IS, ID, World Nx (454 1/2 Pecenska-IN)
 11740 2030 R. Nederland: EE, Nx to Africa //11730 Madagascar (443 12/26 Zilmer-WI) (131 12/24 Hall-CA)

NORWAY

- 9550 0000 R. Norway: EE, "Norway This Week" Nx & Views (322 1/1 Zilmer-WI)
 9590 2200 R. Norway: EE, Recap '77 (333 1/1 Bonner-CH)(433 1/1 Maghakain-NY)
 9605 1400 R. Norway: EE, "Norway this Week" to Europe (422 12/25 Zilmer-WI)
 9610 2216 R. Norway: EE, tlk abt shipping industry (222 1/1 Rounds-CA)
 11860 1811 R. Norway: EE, Nx, Norway accepting refugees from SEA (543 12/18 Lindsey-NJ)

NORWAY (Cont'd)

11895 1800 R. Norway: EE, "Norway This Week" (433 12/18 Zilmer-WI)
 11935 1800 R. Norway: EE, "Norway This Week" (422 12/18 Zilmer-WI)
 21730 1400 R. Norway: EF, "Norway This Week" Nx & Views (333 1/1 Zilmer-WI)

POLAND

6095 *0200 Polish Radio: EF, ID, tlk on Polish workers Party, into Polish at 0230
 (232 1/3 Pecenka-IN)(433 12/31 0300-EE Heath-KY)(222 1/2 Dalum-IN)
 7270 0200 Polish Radio: EF, tlk on Carter's visit to Warsaw, IDs (433 12/31 Peck-NY)
 (443 12/31 Fraser-MA)(323 12/28 Yajko-PA)
 9525 1635 Polish Radio: EE, OM & YL w/ cmntry, ID (332 12/17 Uerlings-OR)(312 1/6 0200
 Bycura-PA)
 9540 1829 Polish Radio: GG, IS, s/on by YL, Pop Mx, tlks by OM, Rock Mx (343 12/30
 Donly-SC); 1528-FF (333 12/21 Maghakian-NY); 1600-EE (343 12/21 Donly-SC)
 11815 0212 Polish Radio: EE, Tlk abt Poland's Economy (333 12/22 Mayer-CA)

PORTUGAL

6025 0315 Radio Portugal: EE, Portuguese Mx w/ OM DJ (454 12/29 Heath-KY)(444 1/8
 Pearson-PA)(433 12/29 Yajko-PA)
 6035 2040 Radio Portugal: EE, Freqs, IDs, Folk Mx (333 12/29 Famularo-NJ) Ralph my
 skeds show 6025 at this time slot best to Europe. ps.
 6155 2140 Radio Portugal: PP, Drama by OM & YL, Home service (333 1/8 Schipelliti-MA)
 9670 *0900 Adventist World Radio: EE, Hymns & Sermons (433 12/18 (mellinger-NJ)(0700-EE
 454 12/24 Heath-KY)(0704-EE 444 12/31 Hall-CA)(2100-EE 242 1/1 Pecenka-IN)
 (1655-Czech 12/16 343 Donly-SC)
 11935 0301 Radio Portugal:EE, lengthy Nxcast, press review, lite Mx (555 12/22 Koval-
 NJ)(333 12/17 T. Smith-FL); 0503-EE (343 12/28 Beaudoin-CT); 0415-PP (444
 12/25 Earhart-PA)
 17880 1715 Radio Portugal: EE, summary of Nx events in Portugal, into FF at 1730 (544
 12/4 Stone-ONT)
 17895 1811 Radio Portugal: EE, "Art & Culture"IDs, into FF at 1830 (343 12/21 T. Smith-
 FL) My skeds show this freq to be 17880 as above. NF? ps.
 21700 1745 Radio Portugal: PP, songs by OM & YL (343 12/18 Earhart-PA)

ROMANIA

5990 0130 Radio Bucharest; EE, IS, YL w/ tlks on MPLA, Romanian orchestra Mx, //9570
 (433 12/11 Peck-NY); 0412-EE (332 12/5 Earhart-PA)(433 12/31 Maghakian-NY)
 6190 *0400 Radio Bucharest: EE, IS, ID, Nx (221 1/3 Pecenka-IN)
 9530 1512 Radio Bucharest: EE, OM & YL w/ Mailbag show (333 12/23 Hall-CA)(434 12/21
 Miller-CA)
 9570 0135 Radio Bucharest: EE, Nx & Propaganda (333 12/22 Mayer-CA); 1105-EE (222 12/29
 Hook-FL)
 11940 0400 Radio Bucharest: EE, s/on w/ freqs. Tlks on Romania (343 1/1 Maghakian-NY)
 ; 1310-EE (433 12/27 Yajko-PA)(444 12/27 Yacono-NY)
 15250 1317 Radio Bucharest: EE, Sports Roundup, 1325* (333 12/26 Beaudoin-CT)(444 12/29
 Yacono-NY)

SPAIN

6065 0200 Radio Nacional de Espana: EE, OM/YL w/ Nx & Mx (434 12/16 (Ireland-TN)(434
 12/30 Lentz-PA)(323 1/3 Snyder-NY)(343 1/10 Thompson-NM)(444 12/9 Prath-FL)
 (222 12/15 Hodsdon-MN)(433 12/23 Mayer-CA)
 9360 0240 RNE: SS, Ids, Tlks, Mx, Vocals (353 1/10 Thompson-NM) CA)
 9630 0115 RNE: SS, Music from the Canary Islands (444 12/18 Stone-ONT)(322 12/28 Bryan-
 11775 0235 RNE: SS, Mx w/ OM DJ (444 12/11 Monjure-LA)
 11810 1728 RNE: AA, IS, tlks (444 12/10 Naylor-CA)
 11880 0130 RNE: EE, Nx & Mx (444 12/30 Woltman-WI)(434 12/29 T. Smith-CA)(422 12/30
 Rounds-CA)(444 12/23 Donly-SC)(333 12/27 Mayer-CA)(12/30 Jackson-OR)(444
 12/16 T. Smith-FL)(544 12/7 Stone-ONT)

SWEDEN

9505 0230 Radio Sweden: EE, to NA, Mailbag w/ Stanly Bloom (343 1/9 Lobdell)(433 12/17
 Willis-PA)
 9630 1120 Radio Sweden: EE, Sweden Calling DX'ers (343 12/27 Heath-KY)(443 12/29
 T. Smith-FL)(444 12/27 Yajko-PA)
 9665 1400 Radio Sweden: EE, Nx, Press Review (353 12/27 Heath-KY)(454 12/25 Pecenka-
 IN)(434 12/27 Yajko-PA)(333 12/7 Woltman-WI);0100-Swed. (545 Howell-CA)
 9695 0233 Radio Sweden: EE, Nx (422 12/22 Mayer-CA); 0130-lang? (333 12/4 Ireland-
 TN) My R. Sweden sked shows Spanish at 0130 to Latin America.ps.
 11705 2300 Radio Sweden: EE, Friday Financial special (555 12/2 Johnson-FL) to NA.ps.
 ; 0000-SS (332 12/7 Prath-FL) to Latin America.ps. CA)
 11740 1610 Radio Sweden: EE, "Cultural Heritages" (454 12/22 Hall-CA)(333 1/8 Grenier-
 11940 1215 Radio Sweden: Swedish, Nx w/ psstble DX tips? (353 1/3 Earhart-PA) My sked
 shows Russian for this transmission, beamed to North Asia via Horby.ps.

SWEDEN (Cont'd)

15305 1250 Radio Sweden: EE, Mx by Sibelius, Panorama Pgm (444 12/12 Yajko-PA)(444 12/25 Prath-FL)
 11780 1835 Radio Sweden: EE, Saturday Show (333 12/24 Maghakian-NY) beamed to Africa.ps.
 17790NF 1413 Radio Sweden: EE, Sweden Calling DX'ers (343 12/20 Fowler-ONT)(555 12/25 Bonner-OH)(333 12/10 Earhart-PA)(454 12/30 Carrier-FL)(534 12/29 Paolini-CT); 1320-FF (343 12/18 Earhart-PA)

SWITZERLAND

3985 0700 Swiss Broadcasting Corporation: EE, tlks abt Carter's trip (423 1/2 Klontz-CA)(443 12/2 T. Smith-FL)
 6045 0430 SBC: EE, "Dateline"...Nx (333 12/28 Beaudoin-CT) to NA & CA.ms.
 6135 0147 SBC: EE, OM w/ Nx (333 12/19 Hall-CA)(555 12/18 Lindsey-NJ)
 6165 0633 SBC: II, YL, freqs, Mx (444 12/22 Hall-CA) This is part of a tri-lingual pgm in GG, FF & Ital. 15 min. Nx from 0600-0645 respectively. Try for //s of 15305, 11720, 9625, 9535 & 3985 kHz. beamed to Africa & Europe. ps.
 9535 1102 SBC: EE, Nx (434 12/27 Yajko-PA)(333 12/11 Beaudoin-CT)(555 12/10 Proom-GREAT BRITIAN); 1530-EE (322 12/21 Miller-CA)
 9560 0902 SBC: EE, ID & Nx, to Asian Sub Continent // 11775 & 15305; 17830 not heard (455 1/2 Schipelliti-MA)
 9700 0152 SBC: EE, "Dateline Wednesday" (555 12/29 Carrier-FL)(333 12/31 Rounds-CA) (333 12/24 Garas-AZ)
 9725 0150 SBC: EE, Swiss-Shortwave-Merry-Go-Round (444 12/10 Koval-NJ)(333 12/31 Rounds-CA)(444 12/22 Mayer-CA)(444 12/28 Yajko-PA)(322 12/10 Hodason-MN) (444 1/2 Wolman-WI)
 11775 0915 SBC: EE, Swiss Mx, "Dateline" pgm (333 12/16 T. Smith-FL)(444 12/24 Hall-CA)
 11870 1537 SBC: EE, OM & YL w/ Swiss Nx (444 12/10 Uerlings-OR)(323 1/8 Grenier-CA) (444 12/19 Hall-CA)
 15140 1322 SBC: EE, tlks abt Pres. Carter's trip, //11775, 15305, 15350 & 17830 kHz. (434 12/30 Yajko-PA)(343 1/1 Prath-FL)(353 1/2 Pecenka-IN)(554 12/27 Carrier-FL)(444 12/29 Yacono-NY)(423 12/24 Paolini-CT)(555 12/4 Fraser-MA)
 17830 1554 SBC: EE, OM w/ cantry on developing countries (343 12/18 Hall-CA)(444 12/28 Donly-SC)

U.S.S.R.BYELORUSSIAN SSR.

7420 2130 Radio Minsk: Byelorussian, IS, ID, YL w/ tlks on Santa Claus (333 12/28 Beaudoin-CT)

EUROPEAN BSFSP & UNDETERMINED SITES

4780 0656 Petrosavodsk Home Service: RR, YL w/ tlks, time pips, ID by OM, IS, ID by YL Nx by YL & OM, 0705-Mx (233 12/18 Uerlings-OR)(0400 12/24 Gavaras-MN)
 5015 1400 Arkangelsk: Unid Lang, Foreign svc Ident. signal & Time Pips under Vladivostok (242 12/12 Naylor-CA)
 7150 0030 Radio Kiev: EE, Nx, Cmtry, "Society of Social Optimism", Ukranian Mx, ID (544 1/2 Dalum-IN)(555 12/28 Fraser-MA)(434 12/11 Earhart-PA)
 7190 *2230 Radio Moscow: EE, Moscow Mailbag read My letter on New Years Eve!! (444 1/1 Mellinger-NJ)(555 12/27 Skora-ONT)
 7250 2300 Radio Vilnius: EE, Nx, Mx & Cmtry (222 12/30 Bycura-PA) MA)
 11710 1230 Radio Station Peace & Progress: EE, Nx, Cmtry & RR Mx (433 12/10 Garfield-CA)
 11790 2320 Radio Vilnius: EE, OM/YL Nx & Cmtry (443 12/20 Ireland-TN)
 12010 0305 Radio Kiev: EE, International Nx w/ Cmtry (343 1/3 Owsley-CA)
 15455 *1300 Radiostantsiya Atlantika: RR, IS, ID, Nx, lite Mx (444 1/7 Hopkins-PA)

LATVIAN SSR.

5935 2025 Radio Riga: Swedish, IS, choral pops, tlks (343 12/24 Peck-NY)

VATICAN STATE

5995 0100 Vatican Radio: EE, "Historical Aspects of Christmas" (333 12/15 Willis-PA) (444 12/25 Yacono-NY)(444 1/2 Howell-CA)(433 12/27 Mayer-CA)
 11800 0100 Vatican Radio: EE, tlk on religion in Ukraine (433 11/28 Stone-ONT)
 15120 1700 Vatican Radio: EEw rel pgm (433 12/17 Zilmer-WI)(433 1/2 Maghakian-NY)

YUGOSLAVIA

9620 *2200 R. Belgrade: EE, Nx, QRM from CBC on 9625 (433 12/30 Yajko-PA)

Well, That's the February issue for U. Tnx go to 78 contributors. Next BAD GUYS MEETING WILL BE FEBRUARY 19 1978, Sunday. Starting at appx. 1 PM the meeting will be held at Greg Caliri's house in Bradford (Haverhill) MASS. 10 Tudor Ct. 01830. Call Greg at 617- 372-6734. Your editor is now a licensed Amateur Radio Operator. I am a **73 DE PETER**
 a Novice and my call letters are WB1GEX. Good DX!

SWBC DX

AFRICA



Editor: WAYNE OLIVER
 P. O. Box 355
 Plaistow, NH 03865
 (St QTH: 71 Forrest Street
 Phone 603-382-5581)

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



FEBA
Seychelles

Radio Television Kaduna

ALGERIA

6160 0625 Radiodiffusion Television Algerienne: AA chants, tlks (222 12/15 Wall-CA)
 7145 1945 RTVA: EE mx program (443 12/6 Beukelman-HOLLAND) 40+% of all
 9685 2216 RTVA: AA OM tlks, chants (444 1/3 Famularo-NJ) loggings
 11910 1550 RTVA: FF YL tlks (444 12/19 Hall-CA) month, were uncut! That's
 19369T 1408 RTVA: AA mx, likely 2 x 9684.5 (Hauser) a lot of extra work!!!
PLEASE CUT THEM???

ANGOLA

7245 0603 Radio Nacional: PP tlks, mx (322 1/9 Mitchell-CA)(222 12/28 1617 PP Thompson-CA)(322 12/23 0640 PP Wall-CA)
 9535 1741 RN: PP tlks, ID (433 1/3 Thompson-CA)(333 1/1 0510 PP Wall-CA) (454 1/3 0531 Donly-SC)

ASCENSION ISLAND

6005 0130 British Broadcasting Corporation: EE tlk on Hiroshima (444 12/7 Prath-FL)
 7105 0600 BBC: FF ID, nx (343 12/15 Wall-CA)(444 1/1 0400 EE Wall-CA)
 9770 1732 BBC: EE w/'In the African Groove' show (444 1/1 Naylor-CA)
 11775 1710 BBC: EE african nx (444 12/18 Hall-CA)
 11820 1849 BBC: EE w/Mozart operetta (333 12/19 Bryan-CA)(433 1/1 0820 EE Rounds-CA)
 15105 1755 BBC: EE sports roundup, nx, ID (434 12/20 O'Brien-B.C.)
 17840 1500 BBC: EE w/ Queen's Xmas message (343 12/25 Johnson-FL)

BENIN

4870 2230 La Voix de la Revolution Beninoise: FF tlks, ID (242 12/29 Donly-SC)(333 12/23 0538 FF Bryan-CA)(343 12/26 0630 Vern Jackson-OR)(343 12/29 FF Famularo-NJ)(333 12/24 0512 FF Mayer-CA)(353 1/2 2154 Vern Pecenka-IL)(333 12/6 0544 FF Rounds-CA)

BOTSWANA

4845 0336 Radio Botswana: Vern s/on, IS (322 12/16 Uerlings-OR)

CAMEROON

4750 2045 Radio Bertoua: FF tlks, ID, s/off at 2100 (232 1/2 Hopkins-PA) (222 ??? 2018 FF Rutenburg-ONT)
 4850 0552 Radio Yaounde: EE nx at 0600 (333 1/5 Florian-IL)(444 1/8 2126 FF Davis-NJ)(333 12/23 0535 FF Bryan-CA)(423 12/28 2230 FF Donly-SC)
 5010 0557 Radio Garoua: FF tlks, nx (242 12/29 Florian-IL)(252 12/31 2140 Vern Pecenka-IN)(252 12/21 0530 FF Radtke-CA)(444 12/24 0515 FF Jones-CA)(333 12/21 0530 EE Baldwin-CA)(333 12/23 0610 EE Trautshold-WI)(343 12/28 0540 Vern Donly-SC)(232 12/23 0600 FF Bryan-CA)(222 12/18 0530 AA ??? Brookwell-CA) (444 12/23 0545 FF Wall-CA)(343 12/22 0504 EE Levesque-IL)
 9745 0612 Radio Yaounde: EE (Details please???) (333 12/24 Mayer-CA) (444 12/15 2200 FF Jackson-OR)

CANARY ISLANDS

11880 2115 Radio Nacional d'España: SS tlks, mx (343 12/31 Mellinger-CT) (353 12/11 1846 SS Smith-FL)(232 1/4 2112 SS Thompson-CA) (545 12/15 1800 SS Johnson-FL)(322 1/1 2032 SS Dalum-IN)

CENTRAL AFRICAN EMPIRE

5038 2055 Radiodiffusion Nationale Centrafricaine: FF tlks, ID (322 12/20 Utter-NY)(444 12/19 2103 FF Hopkins-PA)(333 1/9 0540 FF Wall-CA)(252 1/7 0515 FF Radtke-CA)(322 1/8 2218 FF Davis-NJ)

CHAD

4904.5 0450 Radiodiffusion Nationale Tchadienne: FF Tlks (343 12/29 Florian-IL)(443 1/8 2115 FF Davis-NJ)(343 12/22 0438 FF Dalum-IN)(434 1/6 0530 FF Jones-CA)(242 12/31 0550 FF Thompson CA)(333 12/23 0540 FF Trautschold-WI)(243 12/23 0545 FF Bryan-CA)(433 12/24 0542 FF Mayer-CA)(343 12/12 2126 FF Yajko-FA) (333 11/28 0529 FF Mayer-CA)(211 12/31 0428 FF Skora-ONT) (342 12/27 *0427 Mitchell-CA)

7120 1552 RNT: Vern tlks (222 1/4 Thompson-CA)

CONGO, PEOPLE'S REPUBLIC OF

4765 0505 Radiodiffusion Television Congolaise: FF tlks, ID (333 12/29 Florian-IL)(243 12/27 2055 FF Beaudoin-CT)(323 1/3 2250 FF Famularo-NJ)

4843 0635 RTC (Pointe Noire): Vern tlks (343 1/9 Wall-CA)

15190 1835 RTC: FF ID's, tlks (353 1/5 Thompson-CA)(554 12/29 2205 EE Carrier-FL)(322 12/14 1631 EE Leon-PA)(333 1/1 2052 Vern Rounds-CA)(353 12/29 2100 FF/EE Radtke-CA)(433 1/1 2135 FF Uerlings-OR)(433 12/29 2155 FF/EE Earhart-PA)

EGYPT

6230 0217 Radio Cairo: EE ID, world nx //9475 (333 1/2 Lobdell-MA) (443 1/2 0240 EE Famularo-NJ)(542 12/18 0214 EE Utter-NY) (454 12/29 0200 EE George-TX)(343 12/12 0302 EE Maghakian-NY) (454 12/20 0235 EE Stone-ONT)(332 12/16 0200 EE Ireland-TN)

7075 0624 Radio Cairo: AA chants (312 12/3 Blaize-LA)

9455 0621 Radio Cairo: AA chants, tlks, mx (Blaize-LA)

9475 0230 Radio Cairo: EE nx, 'Cairo Calling' (333 12/10 Hodson-MN) (524 12/24 0200 EE Miller-CA)(343 12/25 1915 AA Bryan-CA) (443 11/29 0211 EE Mayer-CA)(333 12/13 0215 EE Prath-FL)

9805 1715 Radio Cairo: AA chants (232 12/21 Hall-CA)

17670 1255 Radio Cairo: AA tlks (343 12/27 Yajko-PA)(252 1457 Maghakian)

17920 1249 Radio Cairo: EE political tlks, Asian Service (Yajko-PA)

21465 1230 Radio Cairo: AA mx (353 12/31 Zilmer-WI)

GABON

4777 2208 Radiodiffusion Television Gabonaise: FF tlks (252 1/2 Pecenka IN)(253 1/1 2300 FF Ambruster-WI)

GHANA

3366 0536 Ghana Broadcasting Corp.:EE nx, mx (211 12/29 Florian-IL)

4915 2144 GBC I: Vern tlks (354 1/2 Pecenka-IN)(343 11/11 0647 Wall-CA) (433 1/5 2152 Vern Davis-NJ)(222 12/21 0525 EE Baldwin-NC) (333 12/18 0655 EE Earhart-PA)(322 12/29 0600 EE Skora-ONT)

4980 0658 GBC II: EE ID,TC (433 1/7 Famularo-NJ)(444 11/11 0640 EE Wall-CA)(443 12/12 0625 EE George-TX)(443 12/21 0627 Utter-NY)

6130 2235 GBC (External Service) EE tlks (242 1/7 Reese-KS)

GUINEA - BISSAU

5041 2233 Radiodiffusao Nacional: PP OM tlks (333 1/3 Famularo-NJ) (343 1/9 0655 PP Wall-CA)(333 12/21 2220 PP Levesque-IL)

GUINEA

15308m 1820 Radiodiffusion Nationale: EE tlks, ID (432 1/1 Donly-SC) (243 12/8 2255 FF Hopkins-PA)(232 1/3 2219 Vern Thompson-CA)

IVORY COAST

4940 0600 Radiodiffusion Television Ivoirienne: FF s/on (243 12/23 Wall CA)(252 1/1 2148 FF Pecenka-IN)(333 12/12 2123 FF Yajko-PA)

7215 0715 RTVI: FF OM w/ tlks (333 12/17 Uerlings-OR)

11920 2100 RTVI: FF ID, tlks (322 12/14 Jackson-OR)(322 12/17 1931 EE Beaudoin-CT)(433 12/10 2115 FF Mayer-CA)(222 12/17 2157 FF Rounds-CA)(333 12/3 2130 FF Stone-ONT)(131 1940 EE Reese-KS)

15305 1855 RTVI: EE ID's (433 12/26 Yajko-PA)

LESOTHO

4800T 0446 Radio Lesotho: Sesotho tlks (212 Routenberg-ONT) Possible, but according to latest info I have Lesotho discontinued sw transmissions last February. Possible reactivation!!! wlo

If anyone has any logos that pertain to this section I would appreciate some. They break up the column somewhat and generally just look nice. Thanks.....

LIBERIA

4770 0717 ELWA: EE rlg tlks (323 1/1 Jones-CA)(443 1/8 2135 EE Davis-NJ)
 7175 0712 VOA: FF tlks, nx (433 12/31 Thompson-CA)
 7280 0453 VOA: EE Xmas greetings (333 12/23 Bryan-CA)(333 1/7 0215 EE Thompson-NM)(222 12/15 0615 EE Wall-CA)
 11860nf 2115 ELWA: EE ID, 2121* (333 1/10 Florian-IL)(432 12/10 Zilmer-WI)
 15250 1825 VOA: Vern tlks, 1830* (333 1/8 Gaede-CA)
 15445 1820 VOA: EE tlks (333 12/25 Bryan-CA)
 21600 1730* VOA: EE nx (222 Brookwell-CA)

Has anyone, besides me, heard Mebo II, lately?
 I know of one QSL, so far!!!

LIBYA

6200 2100 PRBS: AA ID, chants (423 1/7 Donly-SC)
 9500 2313 PRBS: AA mx, TC, ID (343 1/7 Florian-IL)
 15100 1335 PRBS: AA chants, anns (353 12/21 Earhart-PA)

MADAGASCAR

11730 1840 Radio Nederland: EE "Happy Station" (333 12/25 Peck-NY)(443 1/3 2035 EE Reese-KS)(444 12/15 2255 Indo. Donly-SC)
 15220 2110 RN: EE "Happy Station" (354 1/1 Ambruster-WI)(444 12/18 1639 Dutch Naylor-CA)
 15385 *1830 RN: EE nx to Africa (433 12/20 Zilmer-WI)
 17810 2105 RN: Dutch by Radio (12/3 Smith-FL)
 21640 1635 RN: AA tlks, mx 1719* (322 12/10 Earhart- PA) new freq.????

MALAWI

3380 1600 Malawi Broadcasting Corporation: EE ID (222 12/15 Wall-CA)

MALI

5995 0048 Radiodiffusion du Mali: FF tlks, ID (243 12/15 Wall-CA)

MAURITANIA

4845 0730 Radiodiffusion Nationale de la Republique Mauritanie: AA vocal. (252 12/26 Jackson-OR)(433 1/8 2212 AA Davis-NJ)(343 12/23 0610 AA Wall-CA)(333 12/11 2250 AA Peck-NY)

MOROCCO

6100 2105 Radiodiffusion Television Marocaine: AA tlks, mx (322 11/19 mayer-CA)
 6200 2130 RTVM: AA tlks, chants //6100 (443 1/7 Zilmer-WI) NF, Bob???
 11915 2225 VOA: PP mx pgm, 2230* (434 12/31 Thompson-CA)
 15270 1210 VOA: AA nx (333 1/8 Gaede-CA)(333 1/12 1250 AA Oliver-NH)
 15305 1625 VOA: RR tlks, ID (222 12/31 Uerlings-OR)

MOZAMBIQUE

3210 0327 Radio Mocambique: PP tlks, mx (poor 12/23 Gavaras-MN)

NIGER

5020t 0530 ORTN: FF tlks, followed by AA sounding chants (211 12/14 Blaize-LA)

NIGERIA

4990 0447 Nigerian Broadcasting Corp.:(Lagos) EE cmnty (221 12/29 Florian-IL)(343 1/9 0610 EE Wall-CA)(333 1/10 0614 EE Famularo NJ)(323 12/12 2119 EE Yajko-PA)(322 12/2 2100 Garfield-MA)
 6025t 1000 NBC: (Enugu) non-stop mx (333 12/29 Earhart-PA)
 6090 2318* Radio-Television Kaduna: EE nx,into vern (333 12/19+ Bodell
 7265 0808 Voiceof Nigeria: EE tlks, ID (312 12/22 Davis-SC) -OR)
 7275 0610 VON: EE ID (343 12/15 Wall-CA)(333 0610 EE Roper-AL)(544 0627 12/27 EE Jones-CA)(333 12/29 0759 EE Thompson-CA)
 11770 1900 VON: EE nx, press review, mx (1/7 Biller-NJ)(332 12/31 1820 EE Zilmer-WI)(434 12/10 1638 Uerlings-OR)(433 12/10 1546 EE Naylor-CA)(444 1/5 1600 EE Howell-CA)(333 12/12 1920 Yajko)
 15120 1755 VON: EE ID, tlks (333 12/21 Peck-NY)(422 12/18 1700 EE Zilmer)

RWANDA

7225 0512 Deutsche Welle: EE nx, ID (333 11/28 Mayer-CA)
 9700 1745 DW:EE nx, s/off, ID (443 12/20 0*Brien-B.C.)
 9735 1535 DW:FF OM nx (444 12/23 Hall-CA)
 11795 1415 DW:GG nx, bcst to Near East & Asia (554 12/27 Carrier-FL)
 17765 1225 DW:EE tlks, mx (443 12/13 Smith-FL)
 17865 1200 DW:EE nx and commentary (343 12/26 Prath-FL)

SAO TOME e PRINCIPE

4807 2155 Radio Nacional: PF ID at 2200 into tlks (222 12/21 Hopkins-PA)
 Propagation conditions seem to be getting better!!!

SENEGAL

4890 2120

Radiodiffusion du Senegal: FF tlks, ID (332 1/6 Davis-NJ)
(432 12/11 2201 FF Dalum-IN)(333 12/9 0620 FF Mayer-CA)SEYCHELLES

9650 *0314

FEBA: EE s/on (332 12/26 Earhart-PA)

9770 1815

FEBA: AA s/off at 1845 (333 12/30 Beaudoin-CT)(333 12/23 1723
AA Maghakian-NY)(333 12/27 *1745 AA Thompson-CA)

11800 0358

FEBA: EE s/on to E. Afr. (Davis-NJ)(322 1/1 0435 EE Roper-AL)

11940 1540

FEBA: EE nx, mx (344 12/10 Uerlings-OR)

15160 0745

FEBA: EE pgm "Radio Today", nx, mx (433 12/27 Bourne-Okinawa)

SIERRA LEONE

3316 2245

SLBS: EE tlks on future development (322 12/31 Donly-SC)

SOMALIA

9585 1945

Radio Mogadishu: Somali ID at 1951 (444 11/19 Watts-IN)

SOUTH AFRICA

3250 0200

SABC: Afrikaans tlks, mx, ID (333 12/18 Hall-CA)

3320 0310

Radio 5: EE ID, mx, "Star Wars" theme (433 11/29 Mayer-CA)

3965 0718

SABC: EE cmnty on Vorster election (222 12/2 Smith-FL)

3980 0408

SABC: EE Anns, ARO QRM (423 12/21 Jones-CA)

4835 0411

SABC: EE tlks on agricultural problems (333 12/23 Bryan-CA)

4880 *0400

SABC: Afrikaans s/on, ID, tlks by OM (444 12/30 Jackson-OR)

7275 *1600

RSA: EE s/on, ID, NA (333 12/30 Wall-CA)

9585 0349

RSA: EE nx, tlks on animal conservation (333 12/28 Bryan-CA)

9710 0530

RSA: EE world nx, program notes, ID (333 12/31 Famularo-NJ)

11900 *2153

RSA: EE w/ early s/on, New Years Eve call in pgm (12/31
Hauser-TN) CBC NS said there were 130 calls !!!

15155 2248

RSA: EE tlks on hospital systems (433 12/19 Earhart-PA)

15220 *0558

RSA: EE s/on, ID, TC, nx, tsk on SW Africa (444 12/19 Smith-FL)

21535 1605

RSA: EE ID, world nx, TC (344 12/10 Uerlings-OR)

SUDAN

11835 1700

Radio Omdurman: AA ID, nx on Somalia (343 12/26 Johnson-FL)

SWAZILAND

17745 *1915

Trans World Radio: Vern/FF tlks ID (222 1/10 Thompson-CA)

TANZANIA

9685 2223

Radio Tanzania: Swahili tlks, mx (222 1/1 Rounds-CA)

15435 1930

Radio Tanzania: EE ID, TC, tlks (322 1/9 Oliver-NH)

TOGO

3222 2140

Radiodiffusion Television Togolaise: (Lama Kara) FF ID, tlks
(322 12/12 Yajko-PA)

5047 0645

RTT: FF tlks, jazz mx, ID at 0658 (343 12/28 Donly-SC)(332
12/23 0603 FF Bryan-CA)(333 12/22 0537 FF Dalum-IN)(433 12/9
2206 FF Hopkins-PA)(322 12/6 0531 FF Rounds-CA)(332 12/18
0715 FF Earhart-PA)(333 11/11 0610 FF Wall-CA)(242 12/20
0638 Pecenka-IN)TUNISIA

11970 1457

Radiodiffusion Television Tunisiene: AA mx, tlks, mx (333
12/21 Maghakian-NY)

15225 1555

RTT: AA chants, nx at 1600 //11970 (433 12/31 Uerlings-OR)

UGANDA

9730 2046

Ugandan Broadcasting Corporation: EE ID, Xmas mx, tlks on
mx in Uganda (333 12/26 Maghakian-NY)(good 12/25 2031 EE
Gavaras-MN)(232 2045 EE Peck-NY)(322 12/23 2045 Hodson-MN)
(333 12/25 2035 EE Mayer-CA)(444 12/27 2041 EE Mayer-CA)
Uganda Bcst. Corp.: EE nx, many ID's, FF at 1830 (11/30
Billier-NJ)

15190? 1810

UPPER VOLTA

4815 0620

Radiodiffusion Television Voltaique: FF tlks, ID, nx (fair
12/23 Gavaras-MN)(343 12/28 0615 FF Donly-SC)ZAMBIA

4911 1642

Zambia Broadcasting Service: Vern tlks by OM, mx (232 1/8
Bodell-WA)

9580 1545

ZBS: Local mx, EE ID (252 12/30 Radtke-CA)(222 1/4 1612
EE/Vern Thompson-CA)*73's Wayne*

Thanks to the 64 reporters this month. Especially the 12 first timer's.
A few tips to the new reporters. When you first join SPEEDX there is
always the temptation to rush the first loggings you have off to an
editor, but please make them current, many loggings received were from Oct.

English Broadcasts from Africa

Many SLEDX'ers have asked for a list of stations in Africa which broadcast in English. Many of these requests come from West Coast DX'ers who look at the loggings a notice few African loggings from the WCNA. This is mainly caused by propagation, but with a little persistence, and hoping the sunspot count increases, this winter should be a good one for African DX everywhere in NA. So herewith we begin.....

ALGERIA-RTVA is repoted to have EE from 1800-1900 on 11910

ASCENSION IS.- Many times and freqs for BBC World Service

BENIN-Voice of the Revolution has EE nx between 2000-2300 on 4870 (The exact time varies and is rather a sporadic occurrence)

BOTSWANA-Radio Botswana has EE programs mixed with vernacular pgms. after *0400 on 4845

CAMEROON-Radio Yaounde has EE nx on 4850 and 4972, at 2130 and 0500.

Cent. Afr. Empire-Has EE nx on 5038, usually at 2030.

CONGO-RTC has EE at 2215 on 15190.

EGYPT-Radio Cairo has several EE programs. The most widely reported is at 0200 on 9475.

GHANA-The GBC can be heard on 4915 at 0600 with EE or 6130 at 2100.

IVORY COAST- RTVI broadcasts in EE from 1900-2000 on 11920.

KENYA-Though a rather tough DX catch anywhere in NA, the General Service is in EE from 0300-0700 on 4804.

LIBERIA-Both VOA and ELWA broadcast in EE from here. VOA is heard on many freqs. Check for ELWA on 11855 at 2100. (ELWA also uses other 25 meterband freqs, and changes them often)

MALAGASY REP.- Radio Nederland can easily be heard from 2000 on 11730

MALAWI-The MBC has been reported to have EE at 1600 on 7130. Also check 3380 at 0400.

MOROCCO-VOA broadcasts from here with a variety of freqs and times, but check 15205 at 2000 for best reception.

NIGER-ORTN on 5020 between 1700-2300 usually has an occasional EE ID.

NIGERIA-The NBC has many regional outlets which broadcast in EE. Most of these have a 2305 s/off. Among them are Benin on 4932, Lagos on 4990, Enugu on 6025, Maiduguri on 6100, Calabar on 6145, Sokoto on 6195 and Ilorin on 7145. Also there is the Voice of Nigeria which broadcasts in EE from 1800-1930 on 7275, 11770 & 15120 and another broadcast from 0600-0835 on 7275, 11900 & 15120.

RHODESIA-Check for the RBC with an 0400 s/on, on 3396.

RWANDA-Deutsche Welle has several transmissions from here, most all have EE ID's. They do have an all EE transmission at 0445 on 7225.

SENEGAL-Radiodiffusion du Senegal has been reported with EE nx at 1900 on 4890. This is a little too early for most NA reception.

SEYCHELLES-The FEBA has many EE transmissions among them are 1600 on 11865 & 0355 on 11800.

SIERRA LEONE-SLBC can be heard with EE on 3316 at 0600

SOUTH AFRICA-The SABC has many EE programs on many freqs, especially in the 60 meterband. Look for these from 0300+. Radio RSA the external service of the SABC can be heard best at 2100 on 11900.

SWAZILAND-Both TWR and Radio Swazi use EE. The freqs and times change so rapidly for both though. Check the loggings section for current schedules.

TANZANIA-Radio Tanzania can be heard at 1900 on 15435 with EE pgms.

UGANDA-The Ugandan Broadcasting Corporation uses 9730 at 2030 for EE.

ZAMBIA-The ZBS uses lots of EE. Check 3346, 4910 and 7220 at 0400

There you have it, 27 countries in Africa that can be heard in English. Not all of these stations will be heard however, unless you have patience and persistence, the two essential ingredients of any DX'er. Propagation will be the most likely reason for not hearing a particular country. Each station broadcasts at the times its target audience is the largest, not when NA DX'ers can best hear them, so remember when reporting to African stations, that they are not really interested in how conditions are in the United States. (Except perhaps RSA, BBC, DW) You must make your reception reports unique and interesting enough for a station manager to take the time to send you a QSL. Take the time to tell them about your studies, the weather, your hobbies (besides DX'ing) and indeed about your listening. Perhaps enclose a stamp, many a station manager collects stamps, and above all please remember to send IRC's or mint stamps. Small stations just do not have the funds to answer QSL requests unless you do. Some stations have even stopped QSL'ing because of this.

Good DX, Wayne

ASIA-OCEANIA

BOB BODELL - EDITOR
5230 S.E. 48th AVE
PORTLAND, OR 97206
(503) 771-8804

DEADLINE: 15th of the month



PREQ TIME LOCATION ASIA

AFGHANISTAN

15365 1130 ONT R. Afghanistan: EE nx, cmtry, local mx (Routenburg 12/18)

BANGLADESH

9500 1700 CA RB: local mx, u/lang tkl (Radtke 1/8) not Libya ???, reb.

CAMBOIDA

49084 *1058 MA Democratic Cambodia Radio: Khmer s/on, IDs by YL/OM, YL nx?, local mx (Zimarowski 1/5)(Beaudoin CT)(@ 1502* Mitchell CA)..

CHINA

2200 1507 CA Fujian 2: CC tkl by YL (Jones 12/26 323)
2340 1429 CA Fujian 1: CC YL/OM w/ tkl (Bryan 12/30 243)
2430 1306 CA Fujian Front Sta. 2 (PLA): CC YL w/ tkl, mx (Naylor 12/11 342)
2490 1518 CA FFS 1: CC tkl by YL (Jones 12/26 333)
2960 0930 FL Changchun, Jilin: lots of CC tkl, then mx (Prath 12/26 222)
3200 1356 CA FFS 2: CC tkl by OM/YL (McCurdy 1/5 344)(Cleveland CA)
3290 1440 CA Beijing 2: CC YL ancr, OM vocals w/ piano (Cleveland 12/22)
3400 1459 CA FFS 2: CC OM w/ tkl (Bryan 12/30 232)
3535 1540 CA FFS 1: CC YL w/ tkl, mx (Dawson 12/18)(Cleveland CA)
3940 1132 ONT Wuhan, Hubei: CC OM tkl, YL singing (Routenburg 12/26)(Wall CA)
3970 1240 CA Huhhot: relay B-1 w/ CC YL singing, tkl (Wall 12/15 222)
4045 1449 CA FFS 1: CC w/ orch. mx, lots of percussion (Cleveland 12/20)
4068 1310 CA Huhhot: Mongolian tkl, CC mx, (Wall 12/15 323)(Bryan CA)
4130 1315 CA R. Peking: CC YL w/ excited tkl, to SEA (Wall 12/15 333)
4250 1318 CA Beijing 2: CC w/ rapid tkl, ute QRM (Wall 12/17 323)
4330 1320 CA FFS 1: traditional mx, OM /YL w/ play? (Wall 12/17 433)
4460 1324 CA Beijing 1: CC OM w/ speech (Wall 12/15 444)
4830t 1201 ONT Shenyang, Liaoning: CC OM/YL w/ tkl (Routenburg ???)
4915 1600 CA Nanning, Guangxi 1: CC w/ classical mx, "Intn'l" (Bryan 12/30)
4925 *0815 CA Harbin, Heilongjiang: anthem, CC s/on (Wall 12/11 444)
5040 0758 CA Fujian 1: CC OM/YL tkl (Brookwell 12/28 322) 27+)
5135nr*1300 CA RP: RR pgrm, // 6560, v. to 5132, 5138, 1355* (Brookwell 12/
5265 1245 WI FFS 1: CC OM tkl, YL tkl, mx, // 5240 (Zilmer 12/22 443)
5320 0950 CA Beijing 1: CC tkl by YL, singing by OM/YL (Rounds 12/31)
5880 2311 IN Beijing 1: CC YL/OM tkl, CC mx (Pecenka 12/20)
6260 2328 BC Beijing: CC YL/OM, partial ID, RTTY QRM (Newell 12/20 243)
6270 *2130 NY RP: EE to Europe, under severe ute QRM (Utter 12/31 222)
6290 2348 BC RP: Laotian YL, marine CW QRM (Newell 12/20 232)
6320 1313 PA RP: Laotian tkl by YL (Yajko 1/1) well @0932)
6345 2344 BC Beijing 2: CC YL w/ vocals, ute QRM (Newell 12/20 232)(Brook-
6410 2330 FL RP: CC (Amoy) tkl to SEA (Prath 12/30 222)(Newell BC)
6660 2313 CA RP: CC YL vocals (Newell 12/20 222)
6750 1200 WI RP: u/lang tkl, mx, after IS (Zilmer 12/22 342) 12/30)
6955 1358 IL RP: u/lang w/ hi-pitched vocals, tkl, ID, 1400 nx? (Florian
6995 0200 CA RP: Spanish w/ IS, ID, tkl, CC mx, ARO QRM (Miller 12/19)
7095 1204 PA Beijing 1: CC tkl by OM (Yajko 12/12)
7504 2307 BC Beijing 1: CC inst. mx (Newell 12/20 222)(// 7515 Yajko PA)
7620 0908 CA RP: CC relay B-2 to SEA, // 7770 (Brookwell 12/25)(Dawson CA)
9020 2348 BC Beijing 2: CC YL w/ opera (Newell 1/3)(@ 0600 Bourne OKI)
9030 1234 CA RP: Spanish tkl by OM, ute QRM (Naylor 12/12 222)
9064 2341 BC Beijing 1: CC OM, QRM de KGA on 9060 (6 x 1510) (Newell 1/3)
9290 0019 CA RP: Hakka to SEA, mx, "EIR", 0025* (Brookwell 12/26)
9365 2353 BC RP: CC (Amoy) to SEA, // 9390 (Newell 1/3)(Brookwell CA)

CHINA (continued)

9460 0355 CA RP: EE prgm, 0356* (Smith 12/22)(Maghakian NY)(Newell BC)
9480 *1500 IN RP: IS, ID, Russian nx (Pecenka 1/2)
9860 1635 CA RP: EE tlk on animals in Tibet (Grenier 12/23)(Hall)(Miller)
9880 1555* CA RP: Nepalese prgm (Hall)(CC @ *1730 Maghakian NY)(Beaudoin CT)
9900 1300 MA RP: IS, RR ID, speech by YL/OM (Fraser 12/18)(@ 2230 Newell)
9920 2155 NY RP: RR w/ CC mx, s/off w/ "Int'l" (Kaufman)(EE @ 1240 Carrier)
9930 1925* CA RP: PF OM/YL w/ inst. mx, IDs, s/off w/ anth. (Thompson 1/3)
9940 0137 PA RP: EE cmtry on Carter in Poland (Yajko 1/1)(Famularo NJ)
9945 1200 FL RP: EE nx, cmtry (Prath 1/2)(Viet @ 1345 Carrier PL)(Yajko PA)
9965 2242 NJ RP: Port. tlk, CC singing, ID, 2255* (Famularo)(Routenburg)
10260 002R NY Beijing 2: CC w/ play (Maghakian 12/29 242)
11290 2120 CT Beijing 1: CC w/ local mx (Beaudoin 12/25)
11375 1415 FL RP: Turkish YL w/ political tlk, mx, ID, s/off (Carrier 12/29)
11450 *0100 KY RP: EE w/ IS, ID, OM nx (Heath)
11515 0006 CA RP: CC mx, tlk (Owsley 1/4)(Yajko PA)
11650 0350 CA RP: EE w/ "Learn to Speak CC" (Smith CA)(@ 0045 Stone ONT)
(HK Heath KY)(@ 1320 Yajko PA)(CC @ 2230 Thompson CA)(Chituck MD)
11660 2347 CA RP: SS YL w/ CC mx, heavy jamming, 2354* (Naylor 12/11 433)
11685 1142 PA RP: SS tlk, CC mx (Yajko 12/27 333)
11720 0054 PA RP: SS ID "Aqui R. Peking", anthem, s/off (Lentz 1/3)
11830 1520 CA VOMR: u/lang tlk, Asian mx, 1533* (Naylor 12/10)(Howell CA)
11945 0144 NJ RP: EE w/ CC lang. lessons (Lindsey 12/8)(Bonner OH)(Heath KY)
11960 0115 BC RP: EE OM w/ nx, ID, tlk on Somalia (Seiler 12/20)
12055 0110 NY RP: EE w/ stirring tlk on China's glories (Maghakian 12/30)
12120t 0015 NY Beijing 1: CC tlk by OM/YL (Maghakian 12/29 222)
15030 0300 OKI Beijing 2: 5 tone ID, CC nx, tlk by YL/OM (Bourne 12/17 544)
15060 0006 FL RP: EE nx, ID, cmtry (Smith 12/5)(Thompson NM)(Carrier FL)
(Seiler BC)(Reese KS)(Stone ONT)(@ 0305 Yajko PA).....
15080 *0000 NY RP: EE YL tlk on 5 yr. plan, mx, 15520 (Peck)(Miller CA)
15270 1200 WI RP: EE nx, cmtry, mx (Zilmer 12/20)
15520 0020 TN RP: EE OM/YL cmtry on fishing (Ireland 12/28)(Florlan IL)
16900a 0001 MD RP: EE tlk, political cmtry (Chituck 12/11)
17605 0520 OKI Beijing 1: CC w/ violin, piano mx (Bourne 12/27 544)

BBC

CYPRUS

6155 2207 SC CBC: test tone, Greek s/on, nx, mx, // 7230 (Donly 1/7 433)
6180 2200 WI BBC Limassol: EE world nx, ID, s/off w/ site (Zilmer 12/26)
7230 *2210 NY CBC: IS, "I Kypros Kondassas" ID, Christmas chants (Peck 12/24)
9540 1738 NJ BBC Limassol: EE w/ sports scores (Lindsey 12/10)
11760 0555 SC BBC Limassol: bells IS, s/on w/ site ID, EE WS nx (Donly 12/24)
15420 2112 CA BBC Limassol: EE OM/YL w/"Scotland Today" (Hall1/7 444)
17885 1540 PA BBC Limassol: EE w/ chamber mx, ID, TC, 1600 nx (Earhart 12/18)

DODECANESE ISLANDS

6015 2101 IL VOA Rhodes: EE "World Report", "Opinion Roundup", 2200* (Florian 1/3)

INDIA

4800 1548 WA AIR Hyderabad: EE cmtry by OM, mix w/ Beijing (Bodell/Hickman 1/8)
4820 1601 WA AIR Calcutta: modern Indian mx, OM vocals (Bodell 1/8 242)
4840 *1230 ONT AIR Bombay: IS, ID, EE nx (Routenburg ???)(Bodell/Hickman WA)
4860 1531 WA AIR Delhi: EE nx, 1545 cmtry, mx, // 4800 (Bodell 1/8 242)
9525 1830 PR AIR: EE w/ Carter addressing Parliament, a regular in PR (Hauser 1/2)(@ 2050 Beaudoin CT)(Mayer CA)(Heath NY)(Donly SC)
9705 0130 CA AIR: Nepali w/ IS, tlk, over XEMRX (Barry 12/27 323)
9912 2200 NY AIR: EE to ANZ, ID (Kaufman 1/1)(Utter NY)(Maghakian)(Rounds)
11740 2145 SC AIR: EE w/ Indian mx, ID, 2200 world nx (Donly 12/25 242)
11770 2315 PR AIR: EE w/ cmtry, prgm review (Hauser 12/31) ka IN
11810 1400 FL AIR: EE world nx, nx of India (Carrier 12/28)(Heath KY)(Pecen-
11815 0050 CA AIR: EE cmtry, nx, good despite geo storm (Barry 1/5)
11915 1750 KS AIR: EE w/ subcont. mx, tlk by OM, 1800 IS (Reese 1/7 121)
17387 0450 OKI AIR: AA? w/ mx, ID, 0500* (Bourne 12/27 443)

INDONESIA

3215 1440 CA RRI Ujung Pandang: indo w/ local vocals, pop mx (Cleveland
3425 1455 OR unid RRI: Qur'an, Indo ancmts, "LA", off at 1505 (Bodell 12/29)
4719 1130 LA RRI Ujung Pandang: Indo tlk (Blaize 12/28)(Zimarrowski MA)
4765 1455 CA RRI Medan: Indo OM w/ tlk, ID, het. (Cleveland 1/4 --3)
4855 1554 CA RRI Palembang: Indo OM w/ tlk, local mx (Bryan 12/30 343)
4927 1530 OR RRI Jambi: Indo ancmts on 1 hr. then mideast mx (Bodell 12/29)
4986 1315 WA RRI Ujung Pandang: Indo w/ modern vocals (Williams/Bodell 1/8)
11789.7 1357 MA VOI: FF, then EE prgm (Zimarrowski)(Elder SASK)(@ 0850 Rounds)

NUSANTARA I UJUNG PANDANG 12/22)

IRAN
 9022 2230 NY VOI: Farsi tlk w/ kemanje, folk mx, vibraphone IS (Baldwin NC)
 15084 2000 FL VOI: Farsi w/ nx, cmtry, Persian mx (Peck 12/10)
 15260nf 1400 WI VOI: IS, u/lang tlk, mx, // 15084 (Zilmer 12/26)

IRAQ
 9635 1935 NETH RBI: EE nx, mx, "V. of Palestine" pgrm (Beukelman) back on 9745
 9745 1930 MA RBI: EE nx, cmtry, mx, lang lessons (Garfield 12/10)(Bycura PA)
 (Ambruster WI)(Fraser MA)(Heath KY)(Reese KS)(Mellinger NJ)+++
 11905 0300 NY RB: carrier, bits of pop mx, pgrm of tlk & AA mx, backwards!!,
 0310 suddenly EE ID, nx (Maghakian 1/3)(Stone ONT)(Zilmer WI)..

ISRAEL
 Israel Broadcasting Authority
 5882 0533 LA IBA: Hebrew HS, nx, mx, ads (Blaize)(Famularo NJ)(Brookwell CA)
 5900 2244 WI IBA: EE nx, "DX Corner" (Woltman 12/26)(@ 0500 Smith FL)
 7320t 0450 CA IBA: Hebrew? OM/YL w/ nx, TPs, mx (Smith 1/3)
 7412t 2245 TN IBA: special svce from Church of Nativity to 2330, EE/PF ancmts
 // 9815 (Hauser 12/24)(Jackson OR)(Prath FL)(Hodsdon MN), etc.
 7465 0425 OR IBA: Hebrew HS, mx, ads, IDs (Jackson 12/26)(Brookwell)(Smith)
 9009 2030 MA IBA: FF ID, nx by OM (Fraser 12/18)
 9350 2230 WI IBA: Hebrew tlk, pop mx, // 7465, 12077 (Zilmer 12/26) Tier
 9435 2230 FL IBA: EE YL/OM ancr, press review, "Voices from Israel" (Car-
 9740 2030* NY IBA: EE tlk on Israel (Snyder 1/2)(Zilmer WI)
 9815 2240 CA IBA: EE ID, nx (Howell 12/25)(Hodsdon MN)(Rounds CA)
 11655 1225 PA IBA: EE w/ local nx, events, meetings (Yajo 12/23)(Zilmer WI)
 11960 2000 WI IBA: EE nx, cmtry, // 9740 (Zilmer 1/2 333)
 15405 1200 WI IBA: EE nx, cmtry, features, wx, ads (Zilmer 12/28 443)
 15512 1223 NJ IBA: EE to SEA, nx, wx, ads (Mellinger 12/22)(Zilmer WI)
 15530 1200 WI IBA: EE nx, cmtry, features, wx, ads (Zilmer 12/28 252)
 15545 1200 WI IBA: Hebrew HS, nx of mideast peace (Zilmer 12/28 453)
 17680 1204 FL IBA: EE nx, cmtry, ads (Smith 12/7)
 17815 1200 WI IBA: EE nx, cmtry, wx, ads, features (Zilmer 12/28 433)
 21500 1200 WI IBA: EE nx, cmtry, wx, ads (Zilmer 12/31)

JAPAN
 3925 0839 CA NSB: JJ tlk by YL (Jones 1/9 322)(Cleveland CA)
 3945 0650 CA NSB: JJ YL tlk, // 3925 (Wall 12/8 322)
 5990 0830 CA R. Japan: EE w/ Asian nx (Owsley 12/30)(Thompson CA)(Rounds CA)
 6055 1010 CA NSB: JJ w/nx, tapes of Carter in Poland (Rounds 12/31)(Cleve.)
 6155 0753 CA PEN: EE IDs, pop mx (Jones 12/25 433)
 7140 1159 FL RJ: JJ mx, ID, nx, march mx, tlk by OM (Smith 12/18 332)
 9505 *0600 CA RJ: EE w/ world nx (Smith 12/22)(Grenier CA)(Seiler BC)
 9585 1358 IN RJ: EE/JJ ID, IS, *1400, nx, het. (Pecenka 12/25)(Yajko PA)
 9595 0630 CA NSB: JJ sports nx (Jones 12/22 432)(Grenier CA)(Cleveland CA)
 9605 1930 CA RJ: Russian YL, ID, IS, s/off, into EE (Bryan 12/25 333)
 11705 2355 NY RJ: EE nx, economic nx, 0045* (Novello 12/18)(Lobdell MA)
 11840 2258 NM RJ: EE ID, IS, orch. mx, Viet pgrm (Thompson 12/20 343)
 15105 2200 BC RJ: EE nx, "Weekly Nx Review" (Seiler 12/25)(Thompson NM)
 15195 2210 NY RJ: EE ID, economic tlk, 2215 JJ (Hansen)(Reese)(Beaudoin CT)
 15270 0015 NY RJ: EE w/ "Tokyo Calling", Asian nx, IDs, polar flutter, to NA
 (Kaufman 1/1)(Fraser MA)(Heath KY)(Novello NY)(Johnson FL)+++
 15420 *0130 NY RJ: EE s/on, nx by OM (Maghakian 12/30 333)(Somers CA)
 17825 0200 ONT RJ: EE w/ "Let's Learn JJ" (Stone 12/1 322)(Heath KY)
 17890 0055 BC RJ: EE IS, ID, nx, "Current Topics" (Seiler 12/13 544)

RADIO JAPAN

JORDAN
 9560 1700 SC HKBS: EE nx, IDs, pop/lite mx (Donly 12/27)(Yajko PA @ 1928)

D. P. R. KOREA
 The Hashemite Broadcasting Service
 2850 1447 CA KCBS: KK YL w/ tlk (Bryan 12/30 232)(Cleveland CA)
 3015 1453 CA R. Pyongyang: JJ FS, anthem, 1455* (Cleveland 12/20 --3)
 3320 1453 CA RP: KK choral mx, ute QRM (Cleveland 12/22 --3) 27)
 4115 1202 ONT V. of Rev. Party for Reunif.: KK tlk, rev. mx (Routenburg 12/
 6540 1325 PA RP: JJ pgrm, KK mx, ID (Yajko 1/1 233)
 6770 1330 PA RP: KK tlk w/ choral mx (Yajko 1/1 333) 27)
 9022 1216 CA RP: CC YL ancr, classical mx, chorus, unlisted (Brookwell 12/
 9420 0715 OKI RP: EE cmtry by YL (Bourne)(SS @ 2320 Maghakian NY)(Beaudoin)
 9977 2300 MN RP: IS, EE ID, sked, nx, patriotic mx, cmtry on unification
 (Gavaras 12/24)(Florian IL)(Mayer CA)(@ 1100 Hopkins PA), etc.
 11535 2330 PA RP: EE discussion of Socialism & Communism in USSR, KK mx,
 IDs by XYL (Leon 12/17)(Pecenka IN)(Heath KY)(Yajko PA).....
 11780 0740 CA RP: EE nx, YL ID, mx pgrm (Hall 12/26 233)

REP. OF KOREA

9640 *1600 CA RK: EE nx, cmtry, "KK Culture Past & Present" (Thompson 1/10) (Miller CA)
9720 0630* NC RK: EE OM tlc (Baldwin 1/1)(@ 1817 Dalum IN)(Barry CA)(Seiler)

KUWAIT

11940 1740 FL RK: EE world nx by OM (Prath 12/25)(Earhart PA)(Maghakian NY)
12085 1700 IL RK: EE ID, pop mx prgm (Bryant 1/10 322)(Garfield MA)

LEBANON

6550 2048 NY V. of Lebanon: mideast mx, anthem?, 2100* (Maghakian 12/11) *Rayzath*
may be the one w/ weak mx past 2200, or 5 x 1310 (Hauser 12/10)
9680 0230 IL RL: EE nx, rock mx, ID as Overseas svce, into Spanish @ 0300
(Bryant 1/10 323)(Donly SC)(Maghakian NY)(Zimarowski NY).....
11755 0030 SC RL: AA mx, ID, 0030 SS to 0100 (Donly 12/27)(Hauser TN).....

MALAYSIA

4985 1455 CA R. Malaysia Penang: Bahasa Malaysia/EE w/ pop mx (Cleveland)
9665 0914 CA RM Kuala Lumpur: EE tlc, ID, world/local nx, folk mx (Rounds)
9725 0930 CA BBC Tebrau: EE children's prgm (Howell 12/26 545)
9740 1750 BC BBC Tebrau: World Service w/ "Sports Round-up" (O'Brien 12/27)
11750 1215 CA BBC Tebrau: EE w/ "Radio Newsreel", Top 20 mx (McCurdy 1/5)
11955 0008 IL BBC Tebrau: EE world nx, cmtry (Florian 1/8)(Prath FL @ 1015)
15295 0627 MA V. of Malaysia: EE YL ancmts, Asian mx, TC, pop mx (Zimarowski)
17880 0027 CA BBC Tebrau: EE OM w/ world nx, "English Abroad" (Thompson)

Sabah

4970 1449 CA RMS Kota Kinabalu: BM w/ pop mx, strong flutter (Cleveland) **BBC**

Sarawak

4835 ???? OR RMS Kuching: Islamic chants, BM ancmts (Jackson)(Bryan CA)
4950 1513 CA RMS Kuching: EE review of events of 1977 (Grenier 12/31)
5005 1452 CA RMS Sibiu: vern. w/ local pop mx (Cleveland 1/4 --2)
5030 1456 CA RMS Kuching: vern. w/ pop mx (Cleveland 12/21 --2)

MALDIVES

4740t 1556 WA RM. MOR inst. mx, buried by CW most of time (Bodell 1/7,8)

NEPAL

3425 1215 CT RN: Nepali w/ local mx, drums (Beaudoin 2/30)(Zimarowski MA) (Routenburg ONT)

PAKISTAN

4060 0158 WA PBC Islamabad: OO Urdu tlc, // 3860 (Bodell/Hickman 1/7 333)
4936* 1245 WA PBC Islamabad: Pakistani vocals, OM sings (Williams/Bodell 1/8)
5060 1301 WA PBC Islamabad: EE nx of Pak., mx, // 4020 (Bodell/Williams)
6235nf 2145* SC RP: Urdu tlc, mideast mx, IDs, anthem (Donly 1/1)(Utter NY)
7095 2000 BC RP: Punjabi w/ mentions of Pak (Newell 12/11)(Lobdell MA)
11640 1325 NY RP: Pakistani songs, // 9460 (Maghakian 12/7 444)
15520 1430 MN RP: Urdu tlc, Pak. inst. mx, 1500ID, nx (Gavaras 12/23)(Radtke)
17830 0312 CA RP: Swahili chanting, Pak. mx, tlc, ID (Bryan 12/28)

Azad Kashmir

3860 1217 CA AKR: mideast type chants and singing (Chadbourne), Pakistani vocals, then several ancmts in Urdu, // 4060 @ 0153 (Bodell/Hickman WA)

PHILIPPINES

7165 1120 MA VOA: EE w/ "News Roundup", "Dateline" (Zimarowski 1/5 232)
7225 1205 KY FEBC: Indo prgm, EE gospel nx, IDs (Heath 12/31)(Thompson CA)
9579 0810 CA VOP: special "Philippine Christmas Tradition" (Mayer 12/26)
9590 1445 PA R. Veritas: EE DX prgm (Yajko 1/2)(Miller CA)(Maghakian NY)
11725 2220 SC RVO: Viet tlc, ID, relig. mx, tlc by YL (Donly 1/2 343)
11760 0030 FL VOA: EE w/ "Magazine Show" (Johnson 12/3 434)
11765 0839 KS FEBC: EE nx, relig. tlc, IDs (Reese 1/5 141) **Febc**
11850 0842 CA FEBC: EE relig. prgm, address, IDs (Rounds 1/2 222)
11955 *1400 IN RVO: EE mx, IDs, DX prgm (Pecenka 1/2 242) CA)
15215 2240 PA VOA: u/lang w/ world nx, mx, Asian nx (Earhart 12/30)(Somers)
17810 0025 KY FEBC: EE relig. prgm, ID, nx (Heath)(Donly)(Seiler BC)

QATAR

9570 1621 WA QBS: OM w/ AA ancmts, then mx, heavy QRM (Bodell 1/8 232)

SA'UDI ARABIA

6080 1930 PA BSKSA: AA mx, conversations, freq. IDs (Hopkins 12/17 544)
9660 1900 OR BSKSA: AA w/chimes, TPs, detailed ID, Qu'ran (Jackson 12/27)
11855 1912 NJ BSKSA: EE world nx, mideast nx, ID (Davis 1/2)(Donly SC) (Beaudoin CT)(Maghakian NY)(Zimarowski MA)(Reese KS)(Pecenka)

SINGAPORE

5010 1622 CA R. Singapore: EE w/ pop & folk mx, // 5052 (Wall 1/4 232)
 5052 1530 CA RS: EE nx by YL, IDs (Howell 1/6)(Grenier CA)(Thompson CA)
 (McCurdy CA)(Bryan CA)(Cleveland CA)(@ 1132 Zimarowski MA)...

SRI LANKA

4870 1604 WA SLBC: subcont. vocals, OM w/ Sinhala? tlk (Bodell 1/8 232)
 4902t 1644 WA SLBC: weak w/ subcont. mx, YL singing (Bodell 1/8 222)
 9720 0025 CA SLBC: drum/singing IS, *0030 (Barry 1/5+)(@ 1730* Klontz CA)
 11800 0025 SC SLBC: test tone, IS, Hindi s/on, tlk, mx, chants (Donly 12/18)
 11955 1913 IN SLBC: EE relig. prgm, mx, ID, HCJB QRM (Dalum 12/11)(Davis NJ)
 15425 1308 CT SLBC: EE nx @ 6:45 local, ID, relig. tlk (Beaudoin 12/29)

SYRIAN ARAB REPUBLIC

15165 1836 SC Damascus HS: AA mx, TC, ID @ 1900, cmtry, xmtr failure @ 1905 (Donly 1/10)

TAIWAN

9510 1300 PA VOFC: CC ID, tlk, mx (Yajko 1/1 343) B C C
 11925 2234 NJ VOFC: CC YL/OM tlk (Famularo 1/1 443)
 15345 0215 CA VOFC: EE cmtry, ID (Jones 1/1)(Dalum IN)(Smith CA)(Maghakian)
 15425 0145 TX VOFC: EE tlk, CC mx, NHK QRM (George 1/4)(Hopkins PA)(Donly
 SC)(Carrier FL)(Maghakian NY)(Zilmer WI)(Brookwell CA).....
 17390 0046 CA VOFC: CC YL tlk (Dawson 12/27 343)
 17890 0118 BC VOFC: EE ID, OM/YL w/ tlk (Seller 12/26 232)

THAILAND

9655 0920 CA R. Thailand: EE ID, then into u/lang (Howell 12/26 545)
 11955 0819 CA RT: Thai w/ tlk, mx (Mayer 12/27)(Rounds CA)

TURKEY

7175 0025 KY VOT: EE w/ Turkish mx, nx, IDs, 0030* (Heath 12/25)(@ 0420 Earhart PA)
 9515 *2130 IL VOT: EE now 2130-2300 (Catey 1/15)(Hauser TN)(Hallberg IL)
 (Bonner OH)(Chituck MD)(Potaczek IL)(Mayer CA)(Hodsdon MN)....
 11800 1745 NY VOT: Turkish folk mx w/ saz orchestra, // 9515 (Peck 12/26)

U. S. S. R.

3995 1145 ONT Nikolaevsk: OM tlk, piano mx (Routenburg 12/19)(Bryan CA)
 4030 0715 CA Anadyr relay Vlad. FS: RR tlk, opera mx (Wall 12/8 242)
 4040 1518 CA Vladivostok: RR folk mx, // 3995 (Bryan 12/30 343)(Wall CA)
 4050 1250 CA Yuzhno Sakhalinsk: RR w/ opera mx, tlk, ute QRM (Wall 12/15)
 4395 0840 CA Yakutsk: RR folk mx, tlk, ute QRM (Wall 12/11 434)
 4485 0650 CA R. Tikhy Okean via Petropavlovsk: RR concert, ID (Thompson)
 4610 0930 CA Khabarovsk: RR conversation by OM/YL (Rounds 12/31 232)
 4940 1604 CA Yakutsk: RR YL ancr, anniversary waltz (Bryan 12/30 333)
 5015t 1145 WI Vladivostok: RR mx, OM tlk, IS @ 1200, 11495 (Zilmer 1/6 --2)
 5920 1446 CA unid site w/ RR classical piano mx, // 5900, 5970 (Cleveland)
 6115 0721 CA R. Tikhy Okean via Khabarovsk: RR YL w/ ID, tlk (Hall 12/23)
 7130 0830 CA R. Moscow via Vladivostok: CC OM/YL nx (Hall 12/24 344)
 7150 0030 PA R. Kiev via unid site: EE ancmnts (Bycura 12/17) European site
 7160 0825 CA R. St. Peace & Prog. via unid site: IS, CC prgm (Hall 12/24)
 7215 2300 PA R. Vilnius: EE ID, nx (Bycura)0300 R. Kiev Bonner Euro site
 9365 1900 CA R. Tikhy Okean via Vladivostok: IS, RR nx (Brookwell 12/8)
 9500 0649 CA RM via Magadan: EE YL tlk (Hall 12/26 433)
 9580 1330 CA RM via Blagoveschensk: IS, u/lang ID, tlk (Miller 12/19)
 9625 0127 CA RM via Chita: OM/YL tlk, RR semi-class. mx (Hall 1/8 232)
 9720 1530 CA Irkutsk w/ Mayak IS, OM tlk (Hall 12/23 222)(Beaudoin CT)
 9755 1040 CA R. St. Peace & Prog. via unid site: EE OM nx, ID (Hall 12/25)
 11960 1330 KY R. St. Peace & Prog.: EE ID, OM nx, mx (Heath) Euro site?
 12000 1242 CA Nikolaevsk: RR ancmnts, classical? mx, Mayak ID (Naylor 12/11)
 15100 0040 MN R. Kiev via Vladivostok: EE w/ mailbag, mx, ID (Hodsdon 12/11)
 17720 0023 BC RM via Petropavlovsk: EE ID, mx, nx (Seller 12/13 555)

Armenian S. S. R.

17700 1515 PA RM via Yerevan: EE tlk on Cuban rev., agri., ID (Lentz 12/31)

Azerbaijan S. S. R.

6110 0626 CA R. Baku: RR mx, ID, s/off (Hall 12/26) 3 hrs past sunrise????

Georgian S. S. R.

5040 0326 MA R. Tbilisi: Georgian? w/ exercises, mx (Zimarowski 12/27)

Kazakh S. S. R.

4615 0142 CA Pavlodar: RR OM/YL tlk, lite RR mx (Hall 1/7 444)
 11950 *0000 KY R. Alma Ata: IS, anthem, RR ID, piano mx, TPs, exerc. (Heath)

Kirghiz S. S. R.

4050 0213 WA Frunze relay M1: YL/OM in RR tlk (Bodell/Hickman/Williams 1/7)

Uzbek S. S. R.

4850 0203 WA Tashkent 2: OM in RR, then piano mx (Bodell/ Hickman 1/7 343)
6025 1205 FL R. Tashkent: EE nx, cmtry, local mx (Carrier)(Peck NY)(Heath)
9560 1200 NY RT: EE nx, cmtry, between RA & RCI (Angeloni 12/19 333)???.reb.
9600 1402 IN RT: EE nx, ID, mx pgrm (Pecenka 12/25 242)/ Carrier 12/27
11730 1330 FL R. St. Peace & Prog. via Tashkent: EE, then CG pgrm w/ site

VIETNAM

THE VOICE OF VIETNAM

31)

6165 1003 CA Ho Chi Minh City: Viet conversations between 2 YLs (Rounds 12/
7375 0833 CA Hanoi 1: CC OM/YL tlk, mx, het. (Brookwell 12/12) CC???, reb.
7417 0016 CA Hanoi 2: Viet OM/YL tlk, YL singing (Brookwell 12/25)
7470 0026 CA V. of Vietnam: Indo tlk to SEA, squeaky Oriental mx (Brookwell)
7512 1220 MA VOV Tay Nguyen: Malay pgrm, 1230 Indo, // 9839* (Zimarowski)
10040 1315 PA VOV: French tlk by YL, Viet mx (Yajko 12/12)(EE @ 1604 Miller)
10225 0033 NY Hanoi 2: Viet tlk, slo Viet mx (Maghakian 12/29 242)

YEMAN ARAB REPUBLIC

4852* 1553 WA R. Sana': AA tlk by 2 OM, Qu'ran, then EE lang lessons, fol-
lowed by AA mx, (Bodell/Hickman 1/8)(AA @ 0410 Maghakian NY)..
9780 1600 CA RS: AA w/ EE lang lesson, AA mx (Klontz 12/21)(Gavaras MN)

P. D. R. YEMEN

29)

7190 1616 OR Democ. Yemen Broadcasting Service: OM w/ AA vocals (Bodell 12/

OCEANIA

AUSTRALIA

4920 1301 IN ABC Brisbane: EE nx, ID, sprts, wx (Pecenka 1/2)(Beaudoin CT)
5995 1000 WI RA (L): "Waltzing Matilda" IS, ID, nx (Trautschold 12/19)
(Yajko PA)(@ 0840 Smith CA)(@ 1213 Pecenka IN)(@ 1405 Earhart).
6005 1600 IN RA (C): EE nx, IDs, lite rock mx (Pecenka 1/2 252)
6035 2200 PR RA (C): EE nx, via LP (Hauser 12/30)
6090 0830 CA ABC Sydney: EE IDs, tlk (Jones 1/8 323)
6150 0835 CA ABC Melbourne: cricket match (Smith 12/20 444)
9540 1020 WA RA (L): "Countdown pgrm, // 5995, 11705, 11720 (Mappin 1/11)
9560 2155 NY RA (C): Indo Indo/rock mx, EE lang lesson, nx (Utter 1/2 334)
9570 0857 BC RA (S): mx, YL w/ freqs, TC (Seiler 12/24 534)
9580 1158 KY RA (S): tlk on Aust., mailbag, nx (Peters 1/10)(Fraser MA)
9610 1600* PA ABC Perth: nx, wx, s/off (Willis 12/18)(Lentz)(Earhart)
9670 1230 MD RA (S): nx of Australia, mx (Chituck 1/5)(Lentz PA)(Pecenka IN)
9680 0945 WA ABC Melbourne: classical mx, ID, TC (Mappin 1/11)(Heath KY)
11705 1500 SC RA (S): world nx, ID, pop mx (Donly 12/28)(@ 0931 Chituck MD)
11720 0727 MAN RA (S): mx, w/ local requests (Johnson 12/5)(Smith CA)(Seiler)
11740 0845 FL RA (S): nx, tlk on West. Aust., pop mx, ID (Smith 12/16 554)
11790 0712 KS RA (S): YL w/ big band mx (Reese 1/3)(Heath KY)(Hall CA)
11810 2050 NETH RA (S): DX nx, mx, 2100 ID, nx (Beukelman 12/9 322)
1183* 1700 ONT RA (S): world nx, mx (Stone 12/11 333)
11880 1705 NY RA (S): nx, pop mx, to PNG (Utter 1/1 232)
11900 1555 TN RA (C): "Point of View" about situation in Spain (Hauser 12/17)
11935 2331 IL RA (C): Thai pgrm (Florian 12/26)(Viet @ 2230 Donly)(Thompson)
15160 0640 CA RA (L): pop mx (Grenier 12/26 222)(Jones CA)
15205 *2230 FL RA (S): EE ID, Viet pgrm, pop mx (Carrier 12/29 353)
15260 0513 CA RA (S): PF YL ancr, mx, // 15160, 15320 (Smith 12/21 444)
15320 0100 TN RA (S): OM/YL nx (Ireland 12/7)(Gaede CA)(Yajko PA)(Myer CA)
15415 1305 CT RA (C): JJ w/ nice Japanese mx, 1330 ID (Beaudoin 12/29 344)
15425 0813 CA ABC Perth: mx, TC (Mayer 12/26)(@ 0100 Donly SC)
17725 0540 OKI RA (S): pop/rock mx, YL DJ, ID, freqs, nx (Bourne 12/27 433)
17795 0200 NM RA (S): IDs, TPs, nx, orch. mx, vocals (Thompson 1/7 353)
21455 2328 CA RA (S): OM w/ pop mx, freqs, TC (Thompson 12/31)(Seiler BC)

GUAM

11705 2244 TN KTWR: EE ID, gave freqs 17830, 17855, IS (Hauser)(Zilmer WI)
15175 2201 MN KTWR: EE w/ IS, ID by YL, into Indo pgrm (Gavaras 12/25)
(Florian IL)(Carrier FL)(Beaudoin CT)(Heath KY)(Donly SC)(Hall)
17855 0015 CA KTWR: EE w/ relig. pgrm (Radtko 12/29 353)

NOUVELLE CALÉDONIE

7170 0818 KY R. Noumea: FF w/ Christmas mx, OM DJ (Heath 12/24)(Wall CA)
11710 0605 SC RN: FF w/ lite mx, OM tlk, ID @ 0631 (Donly 1/6)(Rounds CA)

NEW ZEALAND

11780 0609 SC RNZ: EE/local dialects w/ nx, sprts, 0715* (Donly)(Thompson CA)
11820 0758 HI RNZ: EE HS relay (Streveler 12/26)(Willis PA)(Hall CA)
15130 *1800 CA RNZ: EE w/ ID, nx (Barry 12/28)(O'Brien BC)(@ 0635 Donly SC)

NEW ZEALAND (continued)

15380 0208 CA RNZ: EE comedy prgm, ID (Mayer 12/23 333) (Mayer CA)
17710 2320 CA RNZ: EE w/ IDs, sprts rx (Jones 12/23)(O'Brien BC) @ 0408

PAPUA NEW GUINEA

3260 1226 CT R. Madang: Pidgin tlk, local/C & W mx (Beaudoin 12/29 242)
3275 1251 CA R. So. Highlands: C & W mx, Pidgin ancmts, 1300* (Chadbourne)
3385 1210 CT R. E. New Britain: Pidgin tlk, local mx, EE ID (Beaudoin)
4890 1352 SASK NBC Port Moresby: EE mx, ID, TC, freqs, s/off (Elder 1/2)
(Earhart PA)(Pecenka IN)(Famularo NJ) @ 0748 Grenier CA)+++
9520 0730 KY NBC: EE pop mx, ads, IDs, (Heath)(Brookwell CA)(Streveler HI)

ILES DE LA SOCIÉTÉ

11825 & 0300 OR R. Tahiti (FR3): Tahitian/FF w/ Polynesian mx, IS, ID (Jackson)
15170 (Smith FL)(Peck NY)(Mayer CA)(Earhart PA)(Jones CA)(Smith CA)++

DATE LINE

AUSTRALIA-RA's EE frequency usage sked to 6 Mar. 1s: 5995 (1000-2000); 6005
(1530-1730); 6035 (2100-2230); 9505 (1800-2030); 9540 (0800-2000); 9570 (0700-
0900); 9580 (1800-2200, 1100-1300); 9600 (1800-2200); 9670 (1130-1300, 1400-
1730); 11705 (0900-1600); 11720 (0630-1000); 11725 (1900-2130); 11740 (0700-
0900); 11790 (2000-2300, 1000-1500); 11810 (1900-2200); 11820 (2100-0000); 11840
(2030-2200); 11880 (1100-1300, 1400-1730); 11900 (1500-1730); 15140 (2200-0500);
15160 (2100-0000, 0100-0500, 0600-0700); 15205 (0400-0500, 0600-30); 15240
(2230-0730); 15320 (2200-0000, 0100-0500); 15355 (0000-0530); 15370 (0800-1500);
15410 (0130-0400); 17715 (0400-0500, 0600-30); 17725 (0200-1000); 17745 (0400-
1000); 17795 (0100-0500, 0600-0730); 17870 (0000-0830); 21455 (2230-0300);
21570 (0800-1000)....BBCMS, a reminder that BMS material is used by permission

BURMA-BBS' Domestic svce bcsts weekdays on 5985 (0930-1600); 7185 (0030-0230);
9730 (0330-0730)...5189 (SSB) has been noted in // to these freqs....BBCMS

CHINA (see also under PUBLICATIONS)-additions to Domestic svce issued in Jan.,
B1 add 5880 (2000-0100, 1100-1735); B2 add 8010, 9510 (0700-1600)...Domestic
minority prgm 1s: Uighur (0030-0125) on 8565, 9920 and Urumqi relay 4110, 7050,
(1300-55) on 7080, 9565, 9920 and Urumqi 4110, 7050; Kazakh (0130-0225) on
8565, 9920 and Urumqi 4970, 5440, (1400-55) on 7080, 8565, 9920 and Urumqi
4970, 5440; Korean (0400-55, 1000-55) on 6430, 8260, (2130-2225) on 4620, 6430;
Mongolian (2230-2325) on 4190, 5915 and Hallar 3900, 6080, (0500-55) on 6645,
7660 and Hallar 3900, 6080, Huhhot 4068, 4895, Xilinhot 4953, Donsheng 6045,
(1200-55) on 4190, 5915; Tibetan (2330-0025) on 8565, 9900, (0600-55) Lasa 4035,
9490, 9653, (1100-55) on 7080, 9920 and Lasa 4035, 9490, 9653.....
Fullan Front Station (PLA) bcsts in CC as follows: FFS 1, 2490 (1151-2359),
3000 (1216-2310); 3535 (1300-2240); 3640 (1300-1930); 4045, 4330 both (1000-
1800, 2240-0530); 5240 (1000-1259, 2241-0530); 5265 (1000-1259, 2243-0530);
5900 (1000-1215, 2311-0530); 6765 (1000-1150, 0000-0530); 7850 (0000-0530);
FFS 2, 2430 (1426-1900); 2600 (1257-1900); 3200, 3400 both (1000-1900); 3300
(1200-1900); 3900 (1127-1700); 4140 (1101-1900); 4380 (0230-1700); 4840 (0230-
1600); 5170 (0230-1425); 5770 (0230-1100); 6000 (0230-1256); 6400 (0230-1159);
7025 (0230-1126); 7380, 8195 both (0230-1000).....R. Peking bcsts to Taiwan
as follows: 3360 (2000-0130, 1000-1900); 3830 (2000-2200, 1300-1900); 4770
(2000-2200, 1115-1900); 5125 (2000-2340, 0958-1900); 6790 (2000-0014, 0830-
1900); 9170 (2200-0610 Su, to 0705, 0830-1259); 11100 (2315-0610 Su, to 0705,
0830-1114); 15710 (2341-0610 Su, to 0705, 0830-0957); 15880 (0015-0610 Su, to
0705)....R. Peking uses the facilities of R. Tirana, Albania for these relays:
(0000-0100) in Spanish and (0100-0200) in EE on 7120, 9780; (0200-0300) is SS
on 6150, 7120; (0300-0400) in EE on 7120, 9780; (2200-2300) in Portuguese on
7200; (2300-0000) in SS on 7120, 9500.....BBCMS

CLANDESTINES-Voice of Kawthulay, an anti Burmese government station has been
heard recently on 4880 is Sgaw Karen, Pwo Karen, Burmese and EE, from 1130-1400
Voice of the Malayan Revolution now bcsts in Malay (2200-45), Mandarin (2245-
2320), Tamil (2320-0005) on 7305, 9620 (ex 15790); (0430-0710, 0930-1530) bcsts
remain on 11830, 15790.....Voice of the People of Burma has retired its (1330-
1430) xsmn to 1030-1130 on 6304.....Voice of Arab Syria now bcsts (0500-0600,
0800-0900, 1800-1900) on 6060, 9510.....BBCMS

GUAM-new sked lists EE (0030-0130) on 17855; (0900-1000) on 15115; (0915-30)
on 9640; (1430-1500) on new 11730 (ex 11705), 15190.....

INDONESIA-VOI on new 7108 (ex 9720), announces 7110, // 11789...FEDRX via DSWCI
IRAN-Domestic svce sked to 6 Mar.: 7215 (1545-1915); 7230 (1330-1530); 9535
(1330-1530); 9720 (1530-2100+); 9770 (1530-2100); 11735 (1930-2100); 11770 (0430-
1330); 11865 (or 11745) (0430-1300); 15220 (0600-1600); 15260 (0700-1600);
15094 (0600-0230); 9022 (1530-0230).....WRPH via DSWCI

IRAQ-Baghdad's Domestic svce is currently on 7180, 9630, 11785, 11905.....
the Voice of Masses prgm is on 6030, 9745, 11723v.....BBCMS

LAOS-the latest info on Laotian regionals indicates the following situation:
4285, Vieng Xay (1000-1115); 4320, Houa Phan (1000-1115); 4602, Xieng Khouang
(+1045-1400); 4650, Houa Phan (2300-0015, 0330-0445); 4737, Luang Prabang (2300-
0200, 0355-0630, 1030-1430); 6202, Houa Phan (2300-0015, 0330-0445, 1000-1115);
6677, Xieng Khouang (+1045-1400); 7097, Oudomsai (2330-0200, 1000-1300); 7385,
Savannakhet (2300-0200, 0500-0700, 1100-1400); 8395, Luang Prabang (still on ??)
National Radio Broadcasting Station (Vientiane) bests Domestic svce on 6130
(2230-0230, 0400-0700, 0900-1530) and External svce on 7145 (2300-0130, 0400-
0630, 1100-1400), we'll keep posted on further changes....WRTH via DSWCI, BBCMS

LEBANON-Beirut's Ext. svce appears to follow this sked: 11755 EE (1830-1900),
AA (1900-30), FF (1930-2000+), Port. (2302-2330), AA?? (2330-0030), SS (0030-
0100); 9680 FF (0130-0200), AA?? (0200-30), EE (0230-0300), SS (0300-0330)....
Voice of Lebanon sked on 6550 is: AA (0455-0930), AA, Armenian, EE, FF (1100-
2100)....BBCMS

MALAYSIA-two 500 Kw. SW xmtrs have been purchased and are expected to be on
air by 1979 to improve overseas reception of Voice of Malaysia.....BBCMS

MONGOLIA-Ulan Bator's External svce in EE is now best (1220-50 not Su.) on
6385, 12070, (1715-45 not Su.) on 7262, 9575.....BBCMS

SA'UDI ARABIA-BSKSA's Domestic svce is currently: (0300-0500) on 5965, 7220,
9670, 9720, 11950; (0500-0730) on 5965, 6085, 7220, 9670, 9720, 9730, 11870,
11950; (0730-0830) on 6085, 9670, 9730, 11870; (0830-0900) on 9605, 9730, 11870;
(0900-1000) on 9605, 11870, 21590; (1000-1500) on 5965, 7220, 9605, 9670, 9720,
11870, 11950, 21590; (1500-1600) on 5965, 7220, 9605, 9670, 9720, 11950, 21590;
(1600-2300) on 5965, 6080, 7220, 9670, 9720, 9730, 11950.....BBCMS

TURKEY-VOT has added EE (1200-1300), Urdu (1300-30), Farsi (1330-1400) on
9665, in addition to it's retiming of EE to (2130-2300) on 7175, 9515, plus
"an additional frequency to North America".....BBCMS

U. S. S. R.-R. Baku bests on 6110, 6135, Farsi (1300-30), Azerbaijani (1330-
1400), Farsi (1400-1500), Turkish (1500-30), AA (1530-1600), Turkish (1600-330),
AA (1630-1700), Farsi (1700-15), Azerbaijani (1830-1900), Turkish (1900-50)....

R. Tashkent's is: EE (1200-30), repeated 1400-30) on 5945, 5975, 6025, 9540,
9600; Urdu (1230-1300, repeated 1330-1400) on 5945, 5975, 6025, 9540, 9600,
Uighur (1230-1330) on 5915 and Alma Ata relay 5035, 6135; Hindi (1300-30, re-
peated 1500-30) on 5945, 5975, 6025, 9540, 9600; Uighur (1430-1500, repeated
1530-1600) on 5915, 9600 and Alma Ata 5035, 5975, 6135; Farsi (1600-30), AA
(1630-1700), Uzbek (1700-1800), all on 5945, 7145, 9540, 9550....hilites from
the extensive R. Moscow sked: R. Atlantika bests in RR (1300-1400) on 5905,
5950, 9450, 9720, 11705, 11755, 11800, 11830, 11850, 11870, 15305, 15350, 15375,
15440, 15455, 15485, 17745, 17805, 17860, 21615, 21645, 21745, (1630-1730) on
7135, 7185, 9610, 9685, 9720, 11735, 12070, 15440, 15485.....Radiostantsia

Rodina bests in RR (0200-0300) on 5905, 5935, 5950, 7160, 7215, 7260, 7290,
7420, 9590, 9610, 9620, 9785, (1400-1500) on 6175, 9450, 9465, 9720, 11705,
11770, 11800, 11805, 11930, 11925, 12000, 12070, 15440, 15455, 15485, 17745,
17855, 17860, 21490, 21495, 21570, 21645, (2330-0030) on 5905, 5935, 5950,
7150, 7160, 7215, 7260, 7290, 7420, 9500, 9590, 9610, 9620, 9730, 9785.....
R. Magallanes bests in SS to Chile (0200-30) on 7175, 7240, 7300, 9470, 9550,
12020, (0930-1000) on 11800, 12070, 15240, 15260, 15455, 17855.....BBCMS

VIETNAM-the current freq. allocation in Vietnam appears to be as follows:
3999, Hanoi 1; 4677 V. of Binh Tri Thien, Hue; 4690 R. Bac Thai; 4707v Quang
Ninh; 4780 R. Nghe Tinh; 4783 R. Cao Lang (replaces Viet Bac); 4818 R. Ha Tuyen;
4944v Hanoi 1 (Varies 4937-49); 4994 Hanoi 2; 6165 Ho Chi Minh City; 6210 R.
Cao Lang; 6330 R. Son La (replaces Tay Bac); 6425 Hanoi 2; 6450 Hanoi 1;
7087 R. Bac Thai; 7277nf VOV; 7374 Hanoi 1; 7416 Hanoi 2; 7512 Tay Nguyen (re-
lays VOV); 9620 Ho Chi Minh City; 10040 VOV; 10060 Hanoi 1; 10225 Hanoi 2;
12035 VOV; 15008v Voice of Vietnam.....FEDXR via DSWCI, BBCMS

PUBLICATIONS-a correction to last months mention of Glenn Hauser's publication,
RIB, sample copies can be had in NAM for 75¢, the \$1.35/71RCs are for overseas.
Radio Peking will send you the text to its Chinese lessons "Chinese for Begi-
nners", heard Mon./Wed. @ 0300 on 2460, 12055, 15063...thanx to Frank Watson

Contrary to what we reported last month we are still here. Our trip to the PI
has been postponed indefinitely. Thanx so much to the 96 contributors this
month, and a hearty welcome to all the new reporters. We welcome you comments,
criticisms, and of course DX news. Until next month.....73, *Bd* 1/22/78

"OLD TIME A/O RADIO"

I thought old timers and new comers alike might enjoy seeing what DXers more than 35 years ago were listening to on the tube type radios. Some stations haven't changed.

<u>COUNTRY</u>	<u>CITY</u>	<u>CALL</u>	<u>FREQ.</u>	<u>TIME (GMT)</u>	<u>Daily except where stated</u>	
Australia	Melbourne	VK3ME	9500	0900-1200	except Sundays	
		VLR	9580	0500-1330,	Sundays 0500-1230	
		VLR3	11880	2030-2400		
	Perth	VK6ME	9590	1100-1300	weekdays	
	Sydney	VK2ME	9590	Sundays 0500-0700,	0930-1330, 1530-1730	
Burma	Rangoon	XYZ	6007	1130-1500,	0200-0400	
China	Canton	XGOK	11810	1030-1340		
		XGOY	11900	1055-1645,	1900-2020, 2130-0430	
		XGOX	17800	0200-0330		
	Kweiyang	XFSA	7010	1030-1600,	2330-0130	
	Peking	XGAP	9560	0900-1400		
Fiji Islands	Suva	VFDZ	9538	1030-1200	except Sundays	
Fr. Indo-China	Saigon		6116	0445-0515,	1230-1330, 2345-0015	
			9700	1230-1445	irregularly	
			11710	1230-1445	irregularly	
			11780	1715-1745,	0215-0245	
			14900	0500-0530,	2300-2330	
Hawaii	Honolulu	KQH	14900	0500-0530,	2300-2330	
Hong Kong	Hong Kong	ZBW3	9525	0430-0615,	1000-1500, Sundays 1000-1430	
India	Bombay	VUE2	4880	1230-1730		
			9550	0230-0330,	0630-0830, 1000-1100	
	Calcutta	VUC2	4840	1130-1700		
		9528	0300-0700,	0700-0900		
	Delhi	VUD2	4960	1230-1730		
			9590	0230-0430,	0630-0830, 1200-1730	
		VUD3	15290	0230-0430,	0630-0830, 1200-1730	
	Madras	VUM2	4920	1130-1700		
			11870	0830-0900	Monday/Wednesday/Friday	
	Iraq	Baghdad	HNF	9683	1100-2000	
Japan	Tokio	JVN	10660	0630-0715,	0900-1230	
		JZJ	11800	1200-1430,	1900-2100	
		JZK	15160	0500-0630,	1200-1430, 1900-2100, <u>0100-0200</u>	
		JZL	17785	2130-2230,	<u>0100-0200</u>	
Java	Bandoeng	FMY	5140	1030-1700		
		FMH	6720	0930-1600,	Sundays 0130-0630	
		FMN	10260	0330-0700,	0930-1530, 2300-2400	
		FLP	11000	0330-0700,	0930-1530, 2300-2400	
		YDC	15150	0330-0700,	0930-1530, 2300-2400	
	Soerabaja	YDB	9550	0330-0700,	0930-1530, 2300-2400	
	Macao	Macao	CRY9	6080	1330-1500	Mondays only
	Manchoukuo	Darien	JDY	9925	1200-1300	
		Hsingking	MTCY	6125	0900-1400	
				11775	0630-0730	
Philippines	Manila	KZEG	6140	1000-1400		
		KZIB	9492	1100-1405,	0130-0740 irregularly	
		KZRM	9570	1000-1400,	2130-2300	
		KZHS	9585	1100-????		
Siam	Bangkok	HS8PJ	9510	1200-1500	except Monday	
		HS6PJ	19020	1300-1500	Mondays only	
Straits Sttlmnt	Penang	ZHJ	6090	1140-1340	except Sundays	
	Singapore	ZHP	9690	0940-1440,	also 0540-0640 on Wed/Sat	
Sumatra	Medan	YDX	7220	0300-0630,	1030-1245	
Tahiti	Papeete	FO8AA	7100	0500-0830	Saturdays only	
Taiwan	Taihoku	JFO	9636	0900-1530		
		JIB	10535	1400-1455		
	Tyureki	JIE	7295	1405-1520		
		JIE2	9695	1405-1520		
Turkey	Ankara	TAP	9465	1630-2200		
		TAQ	15195	1030-1230		
U.S.S.R.	Siberia	RV15	4250	1100-1400		

Underlined items indicate the program was beamed to North America.

This list was compiled from a "Short-Wave Station List", Copyright 1939 by W. E. Ellrich, that was part of instructions included with the purchase of a RCA Victor console radio, and from the September 1938 edition of the Philco Radio Log, Vol. 3, No. 10. The Philco Log was donated by August Balbi, who compiled the short wave section of the log.

WORLD SERVICE**STATION SKEDS****EMISSIONS****PROGRAMMI**

Editor:

TRASMISSIONI**PROGRAMS**

BULLETIN DE PROGRAMMES

LARRY TALBOT

N84 W15119 Knoll Terrace
Menomonee Falls, WI 53051**ENGLISH SERVICE****SERVIZIO**

PROGRAMME SCHEDULE

Deadline: 15th

COMUNICATI NEL CORSO

ALBANIA, R. Tirana, has ½ hr EE to NA
0000, 0130, 0230, 0330, 1100. Only
list mb on sked. See Eur section for
freqs currently being heard. Dalum.

ALGERIA, RTVA, FF to Eur 0600-0900 on
7245. 0900-1800 on 9510. Also FF to Afr
2300-0030 7155. 0400-0800, 1800-0000 on
9610. 1000-1700 11925. Seiler, Hopkins

AUSTRALIA, RA, TO 5 Mar. EE to NA
0100-0300 15320, 17795. 1100-1300 9580.
To Eur: 0700-0900 9570, 11740.
To seA: 2100-2230 6035. 2100-0000 11820
2230-0300 21455. 0000-0830 17870.
0130-0400 15410. 0400-1000 17745.
0800-1000 21570. 0800-1500 15370.
0900-1600 11705. 1500-1730 11900.
1530-1730 6005. Gaede, Seiler.

BELGIUM, ORU/BRT, to 2 April,
0015-0100 6065 to NA. 9680 to SA.
DX pgm 2nd & 4th Sun. Johnson.

BRUNEI, RB, EE svc, 2258-0030,
0300-0500, 1200-1430 on 7215.
xmtr is Berakas 10kW. Tilbury.

BULGARIA, R. Sofia, EE
To British Isles: 1930-2000 6070 7270
to 6 Mar then 9700 & 11720.
2130-2200 on 9765, 9530.
To NA: 0000-0100 6070 to 6 Mar then
9707. 0430-0500 7115 to 5 Mar then
9765. Mailbag on Th. DX pgm Fridays.
Bycura, Smith.

CANADA, RCI, error noted in last mo
sked to NA. 0300-0330 one of the freq
listed was 5690. This should be 5960.
Tnx to Randy Jackson for sharp eye.

CHILE, VOFC, 0010 on 9566. Hall.
See W/Hemi section for other times &
freq being hrd also. LT.

CHINA, R. Peking, EE, To ECNA:—
0000-0100 15060, 15520, 17680.
0100-0200 7120 9780 9940 11945 15060.
0200-0300 9940, 12055, 15060.
0300-0400 7120, 9780.
1200-1300 9920.

To WCNA: 0300-0500 9640 11650 12055
15060.
To Au/NZ: 0830-1030 9460, 11600, 11720
15060, 17635.

To e&sAfr: 1600-1800 7620, 9860.
To w&nAfr: 1930-2130 7080, 7620, 9470.
To Eur: 2030-2230 6270 6860 7590.

CHINA (cont)

To seA: 1200-1400 9290, 9470,
11650, 15270.
To sAsia: 1400-1600 7315, 9860,
11650. Proom.

CUBA, R. Havana, EE to 5 Mar.
To Eur: 2010-2140 17855.
To Americas: 2050-2140 17750 11865
0100-0450 9685. 0100-0600 11725.
0330-0600 11760. 0630-0800 9225.
D. Johnson, Lindsey, Fraser, Proom
Pecenka, S. Snyder.

CZECHOSLOVAKIA, R. Prague,
To Gt Brit/Ireland: 1630-1657,
1900-1927, 2000-2027 5930, 7345.
Also @ 1900 7245 to eMedit.
2130-2200 6055.
To NA: 0100-0157, 0300-0357 on
5930, 7345, 9540, 9630.
To Afr/Asia: 1530-1625 5930, 6055†
7345#, 9605, 11990#, 15110, 17705,
17840. 1730-1825 5930, 7345, 9605,
11990, 17840. *to Eur. #to seAsia.
To Asia/Pac. 0730-0800, 0830-0900,
(0830-0930 only Sa-Su) 11855 to
Au/NZ, 15395, 21700 also to Afr.
1430-1457 5930, 7345, 9605† 11990,
15110, 17705, 17840. *to Afr..
Jackson, Yajko.

DENMARK, RD, to 4 Mar. All Danish
but a EE ID @ beginning ea pgm &
RD has been QSLing a rpt of ID only
0900-1000 fE/Austral. 1100-1155
Greenland. 1200-1300 NA/Greenland.
1305-1405 Carib. 1410-1510 eMed/Afr
1515-1615 sAsia/Per Gulf. 1620-1720
NA/Green. 1730-1800 Green.
1815-1915 wMed/wAfr. 1930-2030 SA.
All on 15165. Donly.

ECUADOR, HCJB, EE to NA:
1215-1630 11745, 1230-1630 15115.
0040-0700 11915, 9560. 0500-0700
6095. To SA: 1215-1630 11745.
To Eur: 1630-1800 17755, 15310.
1900-2030 11955, 15300. 0700-0830
11840. 9525. To sPacific: 0630-
0900 11900. 0700-1030 9745. 0830-
1200 6130. Smith.

EGYPT, R. Cairo, new sked to June:
0200-0330 NA 6230, 9475. Drop 7120.
2200-2315 Eur 9805. Hoffman, Yajko,
Maghakian, Bycura, Dalum.

FINLAND, RF, EE to 5 Mar
0800-0925 fE/Australia 21490, Sunday
1300-1325 Eur 11755, NA 15105,
fE/Au 15260.
0930-0955 Sa-Su wEur 9550, cEur 11755
c&sEur/Afr 15270.
1325-1455 Sun cEur 11755, NA 15105.
1900-1925 sEur/mEast 11755, wEur/wAfr
9550.
2030-2055 wEur/wAfr 9550, c&sEur 6120.
Pecenka.

FRANCE, RFI, "Paris Calling Afr" to Mar
1700-1800 to wAfr 11890 11930 15360
15425. To c&sAfr 15300, 11705. To eAfr
Indian Ocean 9605, 11860, 15210. To
nAfr 11705, 11890, 11930. Bourne,
Lobdell, Pecenka, R. Johnson.

GHANA, GBC, EE, to NA
2000-2100 11850. To s&cAfr 1445-1530
15285. To Australia 1445-1530 21545.
To wAfr 0600-0800, 1600-1700, 2000-
2300 on 6130. To Eur 2045-2215 9545.
To eAfr 1400-1430, 1645-1730, 1815-
1900 on 15285. 1445-1530 on 21720.
Note w/sked said for technical reasons
all freq except 6130 suspended until
further notice. Domestic svc: GBC-1
0530-0800 1200-2300 on 4915.
0530-0800 1600-2300 on 3350.
1200-1600 on 5990. GBC-2 is on same
times but freqs are 4980 3366 7295.
Hopkins.

GREAT BRITAIN, BBC, to Americas:
0500-0630 9510. 0900-0915 6195.
1100-1330 15070 6195 5990.
1200-1330 11775. 1500-1745 15365 9580.
2000-2115 15420. 2000-2330 6195.
2000-0230 11750. 2000-0315 15260.
2000-0330 9580. 2245-0330 7325.
2115-0730 5975. 2300-0330 9510.
2300-0730 6175. 2330-0430 6120.
To Au/NZ: 0545-0730 5975.
0545-0915 9640 7150. 0700-0915 11955.
0900-1130 15310. 0900-1245 21660.
0900-1330 15070. 0900-1615 11750 9740.
1100-1615 12095 6195. 1430-1615 9410.
2000-2115 7120 5975. 2000-2245 11750
9410.
To Indonesia/Japan etc.
0000-0030 17880. 0900-0945 17880.
0900-1130 15280. 0900-1615 11750 9740.
0900-1830 6195. 2200-2245 7120.
2200-0030 11955 9570 6195.
2300-0030 15435. BBC no longer indi-
cates specific relays.
R. Johnson, Walcutt,

GREECE, ERT, Elliniki Radiophonia-
Tileorassis, to 5 Mar.
0000-0150 NA Greek/EE/FF 11730 9760.
0200-0350 NA Greek/EE 11730 9760.
1200-1250 NA Greek/EE 17830 15345 11730
1500-1550 NA Greek/EE 17830 15345 11730
1900-1950 Eur Greek/EE/FF/GG 9530 7215
6140. The 11730 & 7215 freqs 250kW
others 100kW. Lindsey, Radtke, Prath.

GUAM, KTWR, Peggy Thompson picked this
sked off air via Clayton Howard on HCJB

GUAM, (cont)
0900-1000 EE 15115
1430-1500 EE 15190
0030-0130 EE 17855
0915-0930 1000-1100 EE 9640.
0930-1000 JJ 9640.
1430-1500 EE 11730
2200-2300 JJ 11705

GUATEMALA, R. Cultural, EE
0045-0400 Su, 0245-0430 M-Sa.
5955 TGNA, 9505 TGNB, 3300 TGNC.
M. Jones.

HAITI, 4VEH, EE, M-F:
1100-1405, 1700-1945, 2330-0030.
Sa: 1100-1400, 2330-0030.
Su: 1100-1400, 1700-1945, 2330-0030
Freqs are 9770 & 11835. Fraser,
R. Johnson.

HOLLAND, R. Nederland, to 1 Apr EE
0700-0720 WAfr L11875 L9770 L7210
0730-0820 Au/NZ B9770 B9715
0830-0920 Au B9715
0930-1020 Eur L9895 L9660 L7240
L6045 L5955
1330-1420 Eur L9895 L7210 L6045
L6020 L5955
1430-1520 s&eAsia M17855 M11740
1830-1920 Afr M15375 L11730 M6020
2030-2120 Afr B26140??? B17810
M15220 L11740 M11730
2130-2220 NA L9895 L9715 L6020
0230-0320 NA B9590 B6165
0530-0620 NAw B9715 B6165.
L=Lopik, Holland. M=Madagascar.
B=Bonaire, Netherland Antilles.
Koval, S. Snyder, Prath.

HUNGARY, R. Budapest, EE
1030-1100 Au/NZ/Japan 21525 17715
15160 11910 9585 7155 6040.
1200-1220 Eur (M-F) 21525 17785
15160 11910 9585 7155 6040.
1430-1500 Asia 21525 17710 15160
11910 9585 7200 6040 All M-F.
2100-2130 Eur 15225 11910 9655
7200 6110 6060.
0200-0230 NA (Tu-Su) 17710 15225
11910 9585 6160 6080.
0300-0330 NA 17710 15225 11910
9585 6105 6080.
DX pgms Tu & F to Eur on 17780
15160 11910 9585 7215 5980.
To NA W&Sa on 17710 15225 11910
9585 6105 6000. Talbot.

IRAN, VOI, all on 9022,
1830 GG, 1900 FF, 1930 EE. Tilbury.

ISRAEL, IBA, EE
0500-0515 5900A 7412A 11655B 11960D
1200-1230 21500A 15530C 17815A
15405A 11960A 11655A
2000-2030 5900A 7412A 9009D 9425D
2230-2300 5900A 7412A 9435E 9815A
A=NA/wEur. B=WCNA. C=seA. D=Afr.
E=ECNA/Carib. They have been jump-
ing around in that 1200 slot fast-
er than I can keep track but I
think this is latest. R. Johnson
Bycura, Earhart.

JAPAN, NHK, EE to 4 Mar
2015-2045 mE/nAfr 9700, 7250.
2345-0045 NA 15270, 11705.
0130-0230 NA 17725 17825 15240 15195.
0800-0830 Eur 15325, 17825.
1830-1900 Eur 9605, 7195.
0930-1030 Au/NZ 15235, 11875.
1115-1145 seA 11875, 9675.
1630-1700 seA/Afr 9670, 7250.
Prath, T. Smith.

JORDAN, RJ, EE sked dated June 77
but apparently still being sent out.
1500-1700 Eur 9560 100kW.
1000-1300 Eur 7155 7.5kW. Only.

LIBERIA, ELWA, to M ar, lang not given
3227 0610-0800, 1805-2220.
4770 0630-0900 M-F, 1555-2300 M-F,
0630-2300 Sa, 0655-2240 Su.
6075 1810-2000.
9550 1210-1315 M-F, 1210-1345 Sa-Su.
11945 0625-0745.
11835 2010-2115.
11830 0625-0845 Sa, 0625-0930 Su.
11855 1655-2120 M-Sa, 1615-2120 Su.
11860 1340-1615 Su. 3227 & 4770 10kW,
others 50kW. Peters.

MALTA, AWR-Europe, 250kW,
0600-0700 9645, 0700-0800 9770, 9605.
IBRA Radio via R. Mediterran EE
2030-2115 Su, 2030-2100 M, 2045-2115 Th
all on 5990. Dalum, Lobdell.

NETHERLANDS ANTILLES, TWR, EE
1105-1230 NA 11815 DX pgm Sat.
0030-0135 fE 11925 DX pgm Wed.
R. Johnson.

NORWAY, RN, EE GMT Su/M only to 4 Mar
0800 5965 Eur, 9590 wEur/Au/NZ,
11850 15175 fE/Indonesia.
1200 6015 Eur, 9590 Indo, 17800 SA
21739 mE/India/Indo/Au.
1400 9605 Eur/Afr, 15175 17840 NA
21730 mE/eAfr.
1600 11895 15175 NA, 17795 Afr,
21730 SA.
1800 6015, Eur, 11895 NA, 11935 wAfr,
15345 Afr.
2000 9590 11850 Pacific, 9645 11935 Afr
2200 9590 9610 NA, 11850 CA/SA
0000 6180 NA, 9550 fE, 9610 fE/Indo
0200 6180 9590 NA, 9645 India/Indo.
0400 6180 Pac, 9550 mE/eAfr, 9610 NA.
0600 9590 Eur/eAfr, 9645 Pac, 15175 mE.
Underlined=250kW. Others 100kW. Pecenka

PORTUGAL, AWR, 9670 250kW Sines
2100-2130 daily, plus 0500-1000 Su &
1630-1700 M&Th. Dalum.
IBRA R. via R. Trans Eur EE
2030-2100 9670 Th&Sa only.
2045-2100 9670 F&Su only. Lobdell.

SEYCHELLES, FEBA, to 4 Mar EE
0355-0445 eAfr 11800 25kW.
0625-0815 sAsia Sa-Su 15160 100kW.
0640-0815 sAsia M-F 15160 100kW.
1525-1640 sAsia 11945 100kW 9545 25kW.
Walcutt.

SPAIN, RTVE, EE
0100-0400 NA 6065 11880 (not M)
2030-2230 Eur 6100 7155 9505 No Su.
Angeloni, Bycura, Fraser, Johnson.

SRI LANKA, AWR-Asia, EE Sundays
0330-0400 9720 35kW, 15425 100kW.
1350-1400 Radio Monitors Internati-
onal w/Adrian Peterson 6075 10kW
9720, 15425. Sundays.
1430-1445 6075, 9720, 15425. Sundays
1330-1400 same. Fri.
1330-1345 same plus 6185 Saturdays.
Dalum.

SWEDEN, RS, per phone from Bob
Zilmer, now using 11850 ex 11705 @
0230-0300 EE to NAW.

SWITZERLAND, SBC, again per phone
from Bob Zilmer, SBC now on 9765
ex 15305 @ 1315-1345 unfortunately
QRM by R. Moscow.

TAHITI, RT/FR3, EE daily except Su
0900 6135 4kW, 11825 & 15170 20kW.
Dalum.

TOGO, Rdif. TV Togo, FF/EE/vern.
0530-0803, 1703-2300 5047.
0803-0900, 1200-1703 7265.
Hopkins.

TURKEY, VOT, reduced times to EE
2200-2300 on 7175 & 9515. Also
dropped DX pgm. Too bad. Fraser,
R. Johnson.

USSR, R. Kiev, EE to Eur 1930-2000
on 5970, 6020, 7360. To NA
0030-0100 7150 7215 11690 11790
15100.
0300-0330 5900 7215 7360 7400 9580
11860.

Howarth, Bonner, Fraser, Dalum,
Bycura, Prath, Lindsey, Johnson.

USA, UN Radio, EE 1800-1805 Eur on
11900, 15305, 15410 M-F.
1830-1825 Afr same freq & days.
0545-0600 Afr 6055 9540 Tu-Sa.
0630-0635 Eur/mE 9630 11770 Tu-Sa.
0707-0715 Afr 6055 9540 Tu-Sa.
0800-0815 Eur 15235 17790 Tu-Sa.
Bycura.
VOA/AFRTS. Due to increasing
costs, VOA will no longer relay
AFRTS bdcsts on sw as of Jan 1.
Bowers.

VENEZUELA, YVKO 6170, YVRO 15400,
2100 FF, 2200 SS, 2300 EE, 2400 PP.
Only.

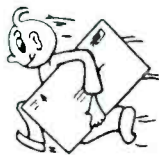
AUSTRIA, ORF, per phone from Bob
Zilmer: 1200-1255 EE to NA now on
15275/6155, 9770, 17710.
Don't forget, March is when all the
skeds change so be sure to get them
to me ASAP. Does anyone have a sked
for India, AIR?? Tnx for the support
see you nxt month.

Larry

QSL REPORTS



Editor: Bill Cleveland
2441 Fairview Drive
Visalia, Calif. 93277



Verified Countries -- 103

Deadline: 15th of month

Well, here we go again. Some rather interesting reports in this month, not the least of which is L.W. Beukelman's QSL from Free Radio Broadcasting Company, duplicated on the next page. The card (he sent me the original for duplication) is a bright (almost fluorescent) red with black lettering. Says he doesn't know what sort of station it is (Clandestine, Pirate, Commercial, etc) but the address is given on the card and with 6000 watts it should be possible to pick it up on the East Coast if it is still operating. I would assume that a knowledge of Dutch would be helpful. Quite a colorful card.

Couple of questions came in that I can't answer. R. Sweden does send out pennants but why one person gets one and another doesn't is beyond me. Return postage doesn't seem to enter into it. Suggestion: face east and bow three times when you stick your report in the mail slot. Who knows--it might work. R. Maldives does (or did) QSL. Last times reported in SPEEDX were in January, March, and May of 1974. For cards received in the USA times ranged from 3-10 months. For example, El Presidente Don Johnson, head honcho of the (in)famous Elsinore Oasis claimed 225d for 3 IRCs. Received by registered mail. This is a very difficult station to hear in the USA, and the frequency of QSLs is insufficient to establish any sort of explanation for their policy. All that I can suggest is that if you can hear them and get enough details to make a report worthwhile, by all means gamble a 31¢ stamp and send it in. A few IRCs might lessen their resistance to a reply. And if you get a card, PLEASE SEND ME A XEROX COPY!

Lots of reporters this month although the total number of reports os not as great as it is on occasion. 74 reporters, 13 reporting for the first time. Welcome back to the repeaters and welcome aboard to the newcomers. So on with the show.

Europe

- ALBANIA:** R. Tirana, 7300, f/d white cd w/red star and symbolic worker w/flag in 74d sfc for 2 IRCs (SOMERS CA), date/time cd of flag w/rifle and pick-ax and logo in 111d sfc for no rp (DALUM IN)
- AUSTRIA:** ORF, 9270, f/d cd "Snail with Castle" in 37d air, no rp (PECENKA IN)
- BELGIUM:** ORU, 6080, f/d blue/white globe and logo cd + pennant in 51d air for 2 IRCs (MELLINGER NJ), same cd in 54d sfc, no rp (ROPER AL), same cd in 56d air, no rp (PECENKA IN) 9270, same cd + pennant and book in 20d air for 1 IRC (STONE ONT); 24460, same cd in 52d air, no rp (SMITH FL)
- BULGARIA:** R. Sofia, 9533, f/d cd "Alexandre Nevsky Memorial Cathedral" in 135d air, no rp (SMITH FL); 92705, date/time cd "Climent of Ohrid University of Sofia" in 82d sfc, no rp (JOHNSON FL); 6070, f/d cd "Alexandre Nevsky Memorial Cathedral" in 81d air for 1 IRC (CHITUCK MD)
- CZECHOSLOVAKIA:** R. Prague, 5930, f/d cd "Trade Fair Grounds" in 116d air, no rp (PAOLINI CT); 7345, f/d cd "Bratislava--View of the Castle from across the Danube" in 94d air, no rp (BATSON KS), f/d cd "Chodsky Kroj--National Costumes" in 127d air for 1 IRC (JOHNSON FL); 9540, f/d cd "Tatra Mountains" in 90d air, no rp (SNYDER NY); 9630, no data folder cd w/logo in 95d air, no rp (HOWELL CA); 11990, f/d cd "Dilo Mistro Pavia --A work by Master Pavel" in 90d air, no rp (STONE ONT)
- DENMARK:** R. Denmark, 15165, f/d "Radiohouse Aerial Tower" cd in 43d air, no rp (GARBER CA) same cd in 60d air for 1 IRC (MILLER CA)
- FINLAND:** R. Finland, 15105, f/d "60th Anniversary Flag" cd + pennant in 30d air for 1 IRC (MELLINGER NJ), same cd in 34d, no rp (DAVIS SC)(PRATH FL), same in 41d, no rp (BATSON KS), same in 43d, no rp (PECENKA IN)
- FRANCE:** R. France International, 15150, f/d cd "Couleurs et Lumiere de France" in 102d air, no rp, FF rpt (BOURNE OKINAWA); 15155, cd "La Basilique du Sacre-Coeur et la Place du Terte" in 3 mo air, no rp (LOBDELL MA); 15200, f/d cd "St. Germain des Pres" in 41d air, no rp, f/d cd w/11 different scenes in 93d air, no rp (MILLER CA); 15210, f/d cd "Moulin Rouge at Night" in 80d air, 1 IRC (SEILER BC); 15300, same cd in 85d sfc, no rp (LEON PA); 15315, f/d cd "La Basilique du Sacre-Coeur et la Place du Terte" in 117d air, no rp (MILLER CA); 17700, "Moulin Rouge" cd in 82d air, no rp (BLAIZE LA); 17720, f/d cd "Maison de Radio France la Seine et la Tour Eiffel" in 82d air, no rp (SMITH FL) (Some of those fqys look a little bit off to me. bc)

.....There are two places the jet plane has brought closer together--this world and the next.....

GERMANY (Democratic Republic): RBI, 2730, f/d cd of old model carriage w/castle in 47d air, no rp (MAYER CA), f/d cd "Serie Berlin #7 (Tier Park--Alfred Boehm Haus) in 54d air, no rp (BYCURA PA); 17755, f/d "DX Club" cd in 30d air, no rp (SMITH FL); 21540, same in 41d air (SMITH FL)

GERMANY (Federal Republic): Deutsche Welle, 6010, no data circle cd in 43d air, no rp (BYCURA PA), no data cd in 8 $\frac{1}{2}$ mo air for 1 IRC (ONKEN IL); 6040, no data logo cd in 149d sfc, no rp (SMITH FL); 6100, same in 110d sfc, no rp (MILLER CA), no data circles cd in 70d sfc, no rp (GEORGE TX), same in 318d sfc for 1 IRC (ROSINSKI PA); 8700 (?), no data circles cd in 210d (MONJURE LA) (Odd fgy--you sure about it? bc)

GREECE: VOA Relay, 2720, f/d "Bicentennial Stamps" cd in 9d sfc (SMITH FL)
V. of Greece, 2760, f/d plain white cd in 23d sfc, no rp (PRATH FL); 11730, same cd in 20d air, no rp (RADTKE CA), and same in 23d air for 1 IRC (DAVIS SC)

HOLLAND: FRBC (Free Radio Broadcasting Co.), 6214.5, f/d red cd (below) in 22d for MS and DD rpt (BEUKELMAN HOLL)

R. Nederland, 17700, f/d "Wooden Antenna Towers" cd in 42d air, no rp (SMITH FL); 21480, DX Program Producers cd in 80d, no rp (BEAUJDOIN CT); 21640, Wooden Antenna Towers cd in 33d air, no rp (MILLER CA)

HUNGARY: R. Budapest, 6000, f/d yellow "Bridge" cd + pennant in 32d air, no rp (BLAIZE LA); 11910, same cd in 30d air, no rp (GARBER CA); 15160, f/d purple globe cd in 41d air, no rp (POTACZEK IL)

ITALY: RAI, 6010, f/d cd w/brown statue in 85d air, no rp (LEON PA) f/d cd w/statue of fisherman in 54d air, 1 IRC (MELLINGER NJ); f/d cd "Amore e Psiche" in 60d air (PECENKA IN); 7275, f/d cd "Vaprio sull' Adda" in 67d air, no rp (SMITH FL), f/d cd "La Partenza di Tobio" in 91d sfc, no rp (SMITH FL); 2575, f/d cd "Il Pescatore" in 190d sfc (AMBRUSTER WI), f/d cd "Ritratto di Bambino" in 100d, 1 IRC (THOMPSON NM), same in 211d sfc, no rp (PECENKA IN), f/d cd "Il Giorno" in 42d air 1 IRC (SEILER BC), f/d cd "Amore e Psiche" in 72d air (GARBER CA), "Vaprio sull' Adda" cd in 100d air (SNYDER); 2710, same cd in 45d air, 1 IRC (FRASER MA); 11810, "Ritratto di Bambino" cd in 188d sfc for 2 IRCs (SMITH OH), same in 208d sfc for 1 IRC (HOFFMAN PA); 11905, f/d cd w/nude painting of ladies and child in 159d air, no rp (MELLINGER NJ); 21560, "Amore e Psiche" cd in 68d air, no rp (SMITH FL)

MALTA: IBRA Radio, 5990, f/d Malta map cd in 23d air, no rp for rpt sent to Stockholm (DALUM IN)

MONACO: TWR, 7105, blue/white TWR site cd in 47d sfc, no rp (ROPER AL)

NORWAY: R. Norway, 15175, f/d cd "Jølstervatnet" in 28d air, no rp (DAVIS SC), same cd in 60d air, no rp (GARBER CA); 17295, f/d cd "De Syv Søstre" in 62d air, no rp (PECENKA)

POLAND: Polskie R., 11815, f/d cd "Heraldic Arms of Polish Towns" + silver pin in 20d air, no rp (DAVIS SC)

PORTUGAL: AWR, 9670, f/d map cd w/sites of AWR xmtrs in 15d air, 1 IRC (HEATH KY), same cd in 35d air, 1 IRC (CONSTANTINIDES GREECE), series 2: listener's designed QSL --by Hidekazu Karei of Japan, yellow cd w/world map, no time, no rp (SMITH FL)

**WANTED
by
EVERYONE**

6000 WATTS

of

Freedom

**THE FREE RADIO
BROADCASTING
COMPANY**



OSL

**THE FREE RADIO
BROADCASTING
COMPANY**

FREQ. 6214.5 kHz
S.I.N.P.O. 3.3.4.3.3
NAME W BEUKELMAN
DATE 13-11-77
TIME 12.35-12.46
G-MT

**PO BOX 41 DEDEMSVAART
HOLLAND**

**THE VOICE OF FREEDOM
FOR YOU**

PORTUGAL (continued): R. Portugal, 6025, f/d cd "Angeiras Camping site" in 32d air, no rp (FOWLER ONT), f/d green/white aerial photo of coast in 18d air, no rp (PAOLINI CT); 11925, f/d cd "Rio e Vista Parcial" in 51d air, 1 IRC, SS rpt (JOHNSON FL); 17880, f/d cd "View of the Village" in 25d air, no rp (SMITH FL)

SPAIN: RNE, 6065, f/d cd of Toledo Antenna site + pennant in 18d air, 1 IRC (MELLINGER NJ) same cd in 21-30d air, no rp (THOMPSON NM)(FRASER MA)(STONE ONT); 6100, same cd in 21d sfc (PROOM GR. BRIT); 9260, same cds in 27-59d air, no rp, SS rpt (SMITH FL); 9505, same in 21d sfc, no rp (PROOM GR. BRIT); 9570, same cd in 23d, no rp (SMITH FL); 11880, same cd in 21-90d, no rp (JOHNSON FL)(KOVAL NJ)(HOLLENBECK CA)(HOWELL CA)(PECENKA IN)

SWEDEN: R. Sweden, 6120, f/d blue map cd in 33d air for 3 IRCs (HILL VA); 9665, same cd in 21d air, 1 IRC (PEARSON PA), f/d cd w/drawing of Swedish stamp on front in 20d air, no rp (HOWELL CA), same in 33d air, no rp (HOWELL CA); 9695, f/d cd with scene of Old Town Stockholm in 30d, no rp (GRENIER CA); 11780, usual map cd in 20d air, no rp (MILLER CA); 15305, same cd in 20d air for 1 IRC (STONE ONT); 17770, same cd in 17d air + pennant, no rp (SMITH FL); 21590, special white World QSL, site endorsed Varberg for SSB xmsn, in 89d (BEAUDOIN CT)

SWITZERLAND: SBC, 9535, f/d cd of SBC building in Berne, 37d sfc, no rp (PROOM GR. BRIT); 9725, same cd in 19d air for 1 IRC (BYCURA PA); 11715, same cd in 58d sfc for 1 IRC (JOHNSON FL); 15140, same cd in 77d sfc, no rp (SMITH FL); 15430, same cd in 50d, no rp (HALL CA)



USSR: (Ed. note: fqys are as received in both mhz and khz; spellings have been adjusted to agree with "Guide to Soviet Broadcasting". Please do not indicate sites unless indicated on your QSL cd).
 Armenian SSR: R. Moscow, 17700 (Yerevan) f/d cd of large bldg on river in 66d air (SMITH FL)
 Byelorussian SSR: R. Moscow, 7.10 (Orsha) f/d cd "Winter in Moscow" in 42d air (YACONO NY), f/d cd w/woods scene in 34d (HOFFMAN PA); 7105 (Orsha), same in 25d air (FOWLER ONT)
 Lithuanian SSR: R. Vilnius, 7270, f/d "Castle and clouds" cd in 44d air, no rp (JOHNSON FL)
 RSFSR: R. Moscow, 5900 (Kenga), 7100 (Moscow), 7260, 7360 (Moscow), 9530 (Moscow), 9580 (Moscow), 15425 (Irkutsk) 17.72 (Armavir). F/d cds in 21-63d air, no rp. 60th Anniversary (KOVAL NJ) (GRENIER CA)(MILLER CA), Winter forest scene (BYCURA PA)(GRENIER CA)(HOLLENBECK), Kalinin Prospekt (JOHNSON FL), Small church (SMITH FL), Clock tower (FOWLER), green/gold microphone (BEAUDOIN CT)
 R. Peace and Progress, 11830, f/d cd w/white birch trees (MILLER CA)

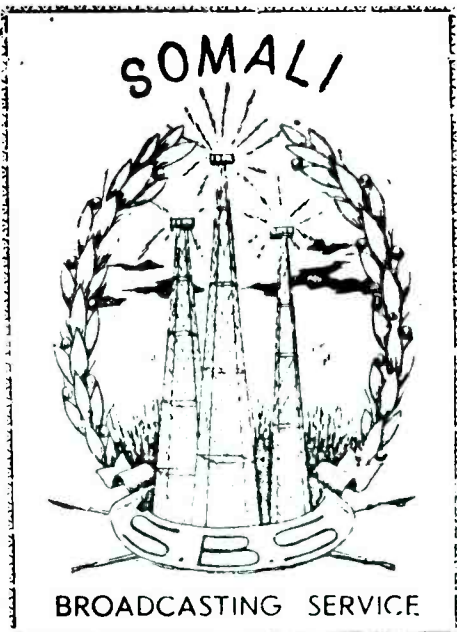
Thanks to Chester Howarth

USSR (continued):

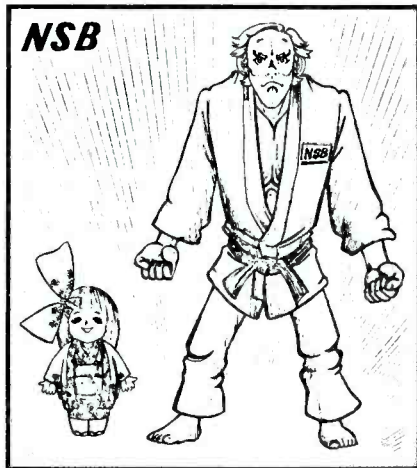
Ukrainian SSR: R. Kiev, 5980, 7150, 7360, 12000, 12020, 15425. F/d cds in 40-97d air, no rp or 1 IRC. St. Sophia's Cathedral (CHITUCK MD)(FOWLER OMT), Lybid Hotel (FRASER MA) Kiev-Pechersk Lavra, Architectural Monument (THOMPSON NM), painting of Christmas tree and people (PRATH FL), orange/blue logo cd (O'BRIEN BC), red/blue/yellow/white geometric design cd (THOMPSON NM)
R. Moscow, 5940 (Vinnitsa), f/d cd of birch trees in winter in 34d air (SMITH FL)
Uzbek SSR: R. Tashkent, 9600, f/d blue cd w/gold statue against white sun in 34d air, no rp (FRASER MA); 11730, same cd in 43d air, no rp (PECENKA IN)
VATICAN CITY STATE: Vatican R., 9605, f/d cd of xmtr bldg in 29d air, no rp (MAYER CA); 11715, f/d cd w/color pix of Pope Paul VI, 49d air, no rp (SMITH FL); 11740, f/d cd w/interior of control room in 23d air, no rp (SMITH FL); 11845, f/d cd of antenna farm in 33d air, 1 IRC (JOHNSON FL)
YUGOSLAVIA: R. Belgrade, 9620, f/d picture cd of Ljubljana in 240d air for 1 IRC (CHILD ME), f/d folder cd in 79d after f/up to embassy, 230d total, no rp. Also rcv'd ltr stating none of his rpts of last two years had reached the station (HOFFMAN PA)

Africa

ALGERIA: Rdif. TV Algerienne, 9685, f/d blue/white logo cd in 130d sfc for 1 IRC (HOPKINS PA)
CAMEROON (Fed. Rep.): R. Garoua, 5010, f/d form ltr in 71d air for 2 IRCs (ZIMAROWSKI MA), same in 105d for 1 IRC (CHILD ME)
CHAD: Rdif. Nationale Tchadienne, 4904.5, date/time cd w/three local scenes in 24d air for 2 IRCs, EE/FF rpt form (DAVIS NJ)
DJIBOUTI REPUBLIC: R. TV Djibouti, 4780, date only cd in 17d for FF rpt and 3 IRCs (NEUMANN IN)
EGYPT: R. Cairo, 9475, f/d cd "1st serial, 3rd scene"--Bust of Nefertiti in 116d air, no rp (DALUM IN), same in 120d air, no rp (BYCURA PA)
GHANA: GBC, 4915, f/d logo cd in 92d sfc for 1 IRC (HOPKINS PA)
MALAGASY (Dem. Rep.): R. Nederland Relay, 15380, f/d "Wooden Antenna Towers" cd in 30d air, no rp (LOBDELL MA)
NIGERIA: NBC Jos, 5965, ltr in 4 mo for EE rpt, no rp, v/s S. Mohammed, Senior Engineer (SPARKS CA)
NBC Lagos, 4990, f/d veri ltr w/NBC crest in 43d air, 1 IRC (DAVIS SC)
V. of Nigeria, 7225, f/d green/white coat of arms cd in 47d air, no rp (DALUM IN); 11770, same cd in 26d, no rp (MILLER CA), same in 30d air for 2 IRCs (CHADBOURNE CA), same in 35d air for 1 IRC (CHITUCK MD). Recent veri signer at Lagos is A. Enzinwa
SEYCHELLES: FEBA, 9770, f/d orange/white world map cd in 26d air, 2 IRCs (THOMPSON CA); 11945, same in 25d sfc (?? fast boat, Jim!), no rp (MAYER CA)
SOMALIA: R. Mogadishu, 9585, f/d b/w antenna tower cd in 46d air for 3 IRCs (MELLINGER NJ), same in 55d air for 3 IRCs (DALUM IN) (Thnx to Alan Brooks and Bruce Klemens for copies of the cd)
SOUTH AFRICA: RSA, 9585, 11900, 15155, 21535. F/d cds in 7-48d. Silhouette of giraffes against sunset (ROPER AL) (PROOM GR. BRIT)(GARBER CA)(HEATH KY) (FRASER MA)(GRENIER CA)(THOMPSON NM) (PEARSON PA)(HOWELL CA), "Lights of Rissik St." (JOHNSON FL)
SABC (Radio 5), 3320, f/d "Industries" cd in 15d, 2 IRCs (HEATH KY)
SABC (Springbok), 4810, "Industries" cd in 15d, 2 IRCs (HEATH KY)
SABC (EE svc), 4835, "Industries" cd in 15d, 2 IRCs (HEATH KY)
SWAZILAND: TWR, 11955, f/d "Antenna/Warrior" cd in 22d air for FF rpt and 1 IRC (ONKEN IL)
TOGO: Rdif. TV Togolaise, 5047, date/fqy green map and logo cd in 61d sfc for 1 IRC and FF rpt (HOPKINS PA)
TUNISIA: Rdif. TV Tunisienne, 15225, f/d cd "Terrasse du Palais d'Orient-Tunis" in 33d sfc, 1 IRC (HOPKINS PA)
UGANDA: R. Uganda, 9730, f/d personal ltr in 41d air, 2 IRCs (MAYER CA)
ZAIRE: LV du Zaire, 15245, date/fqy ltr w/stn and antenna info, 32d air for 1 IRC, EE/FF rpt form (HOFFMAN PA)



- BANGLADESH:** R. Bangladesh, 11652, f/d paper QSL in 77d air (BODELL OR); 15520, same in 45d air for 1 IRC (CONSTANTINIDES GREECE), same in 73d air for 1 IRC (ZIMAROWSKI MA)
- BRUNEI:** R. Brunei, 7215, date/fqy map cd in 34d air for 2 IRCs (TILBURY AK)
- CHINA (People's Rep.):** R. Peking, 9460, cd w/blue circles and great wall + CC lang book, no time (WATSON CA); 9780, date/fqy cd of gold pagoda w/white circles, 37d (JOHNSON FL), date/fqy cd "Store grain everywhere" in 17d (SMITH FL); 9860, cd w/train, clouds, mts in 20d (WATSON CA); 11600, date/fqy cd of building and radio waves + pennant in 31d air (PROOM GR. BRIT); 11650, date/fqy cd of oil drilling platform, 15d (MILLER CA); 11945, gold pagoda and white circles cd in 15d air (GARFIELD MA), "Great Hall of the People" cd in 21d air (JACKSON OR); 15060, date/fqy cd w/painting of deep sea fishing industry in 26d air (SMITH FL); 15520, date/fqy cd of red Peony blooms in 19d air (SMITH FL)
- CHINA (Republic):** CBS, 11905, f/d blue cd w/Taiwan flag in 24d air, no rp (HOFFMAN PA)
- VOPC, 15425, f/d "Bronze Tripod" cd in 40d air for 1 IRC (MACRIS MO)**
- CYPRUS:** CBC, 6150, f/d island montage cd in 38d air, 1 IRC (HOFFMAN PA); 9770, same cd in 51d air for 3 IRCs (BODELL OR)
- INDIA:** R. Kashmir, 3860, f/d personal ltr in 20d registered air for 3 IRCs (CHADBOURNE CA)
- INDONESIA:** RRI Kupang, 3550, f/d personal ltr in 21d air for MS (CHADBOURNE CA)
- RRI Palu, 9960, EE ltr and used Indo stamps for II rpt and MS in 22d, v/s Eddy Mamangkey (SPARKS CA)**
- IRAN:** V of Iran, 15084, f/d cd "Mahabad Television" in 34d air for 2 IRCs and cassette of reception (TILBURY AK), same cd in 41d air for EE rpt on AA xmsn and 1 IRC (ONKEN IL)
- ISRAEL:** IBA, 7412, f/d ink drawing of Western Wall in Jerusalem, 47d air with no rp (PAOLINI CT), same in 62d air, no rp (BYCURA PA); 9435, same cd in 33d air, no rp (HALL CA); 11655, same cd in 64d air for 1 IRC (THOMPSON CA), f/d cd "Kneseth Menorah" in 45d air (HOLLENBECK CA), f/d cd w/E. Ben-Avram painting of Jerusalem in 58d air, no rp (JACKSON OR)
- JAPAN:** FEN, 6155, date/fqy photocopy cd in 36d sfc, no rp (O'BRIEN BC)
- R. Japan, 5990, date/fqy cd "Fireworks at Lake Ashinoko" in 14d air, no rp (CLEVELAND CA) 9585, same cd in 17d air, no rp (PECENKA IN); 11705, date/fqy "Water lilies" cd in 12d air, no rp (YAJKO PA); 15105, "Hakata doll dressed in a kimono" in 15d air for 1 IRC (STONE ONT), "Fireworks over Lake Ashinoko" cd in 17d air for 2 IRCs (MONJURE LA); 15235, same cd in 24d air (SNYDER NY); 15270, same cd in 20d air (SEILER BC), "Water lilies" cd in 6d air (MURPHY NY), same in 20d (SMITH FL), same in 23d (PRATH FL), no fqy, cd of Mount Fuji in winter in 3d (???) (MILLER CA) Bill, you must have chartered a special jet to get an answer to your report in just 3 days. bc)**
- NSB, 9595, f/d antenna tower cd in 45d air for 2 IRCs (DONLY SC), same in 88d for no rp (BEAUDOIN CT), f/d "Tokyo Forum" cd in 83d sfc for 1 IRC (HALL CA)**
- JORDAN:** HKBS, 7155, f/d cd "Palestine Archaeological Museum--Jerusalem" in 84d air for 1 IRC (HOFFMAN PA)
- KOREA (Dem. People's Rep.):** R. Pyongyang 9977, f/d cd "Song of Mt. Kangang San" + ltr, flag, badge, etc in 107d air, no rp (BLAIZE LA); 11535, f/d cd of "Revolutionary Opera" + pennant and pin in 57d air for 1 IRC (ONKEN IL)
- KOREA (Republic):** R. Korea, 9720, f/d cd "50th Anniversary of Broadcasting Stamp" in 18d air, no rp (O'BRIEN BC)
- KUWAIT:** R. Kuwait, 12085, f/d cd with castle drawing in 77d air, no rp (PAOLINI CT)
- MALAYSIA:** R. Malaysia, 5965, f/d studio folder cd in 114d sfc for 3 IRCs (GRENIER CA)
- PHILIPPINES:** FEBC, 7225, f/d cd of hut on beach in 30d air, 1 IRC (KOVAL NJ); 12810, same in 23d for 2 IRCs (THOMPSON NM), ltr signed by Zeny Visca in 93d air for 3 IRCs (ONKEN IL)
- R. Veritas, 9590, f/d cd of ping orchid in 32d air, 1 IRC (MILLER CA), f/d cd "Legaspi City at foot of Mt. Mayon" in 30d air, 1 IRC (MILLER CA); 9605, f/d cd "Dances of Philippines" in 20d, 1 IRC (MILLER CA)**



TNX FR UR INTEREST
TOKYO FORUM
"GET-TOGETHER"
日本短波放送

Nihon Short-wave Broadcasting Akasaka, Tokyo 107, Japan

PHILIPPINES (continued):

VOA Relay, 15150, time/fqy "Bicentennial Stamps" cd in 9d sfc (THOMPSON NM)
VOP, 9580, f/d red/white/blue cd in 256d sfc, no rp (JACKSON OR)
QATAR: QBS, 9570, date/fqy cd w/aerial view of Ras Usheiri Palace in 29d air for 1 IRC
(DAVIS SC), date/time cd (no desc) in 18d air for 2 IRCs (CHADBOURNE CA)
SINGAPORE: R. Singapore, 5052, f/d cd "Singapore by Night" in 73d sfc for 2 IRCs (GEORGE),
6155, same cd in 37d for 1 IRC (BEAUDOIN CT)
TURKEY: V. of Turkey, 9515, date/fqy cd of whirling dervishes in 23d air (PECENKA IN),
f/d cd of girls in native costume in 88d air, 1 IRC (FRASER MA), f/d cd of colored
Turkish tapestry + pennant in 36d air (MURPHY NY), same in 37d air, 1 IRC (HALLBERG IL)

Oceania

AUSTRALIA: ABC Melbourne, 6150, f/d green/gold map cd in 39d air for 1 IRC (HOPKINS PA)
ABC Sydney, 6090, f/d blue/black map cd in 17d, no rp (BEAUDOIN CT)
R. Australia, 5995, 6005, 9570, 9580, 9760, 11705, 11880, 15160, 15320, 17795. F/d cds
in 90-302d sfc for no rp, 18-39d air for 1 IRC. "lorikeets" (MILLER CA), "Sturt Pea"
(JACKSON OR), "Scarlet-crested Parakeet" (STONE ONT)(MILLER CA), "Blue Wren" (MILLER CA)
(THOMPSON NM)(JACKSON OR), "White Flowering Mallee Gum" (MILLER CA)(BEUKELMAN HOLLAND)
(THOMPSON NM)(O'BRIEN BC), "Common Fringe Lily" (HOLLENBECK CA)(CONSTANTINIDES GREECE)
(LOBDELL MA)(SNYDER NY), "Pink Rose Cone" (MILLER CA)
COOK ISLANDS: R. Cook Islands, 5045, f/d "Horn blower" cd in 65d air for 3 IRCs (ZIMAROW-
SKI MA), f/d "Takuvaive Stream, Rarotonga" pc in 49d air for 3 IRCs (JACKSON OR)
GUAM: TWR, 9640, f/d cd in 19d for MS (SPARKS CA); 11705, f/d cd in 20d, MS (CHADBOURNE)
PAPUA NEW GUINEA: R. Central District, 3290, cd, small paper pennant and pc in 18d for
MS (SPARKS CA)
R. North Solomons, 3322, f/d personal ltr in 46d air for 2 IRCs (TILBURY AK), same in
56d air for 1 IRC (HOFFMAN PA). v/s for both ltrs: Aloysius Sahoto
NBC Port Moresby, 4890, f/d yellow map cd in 40d air for 1 IRC. Pennant also sent
(SEILER BC)
SOLOMON ISLANDS: SIBS, 5020, f/d map cd in 40d air for 3 IRCs (and another f/d cd in
280d sfc verifying same rpt) (JACKSON OR)
TAHITI: R. Tahiti, 11825, f/d "Tahitian girl" cd in 35d air for 2 IRCs (DALUM IN), same
in 42d air for 3 IRCs, EE/FF rpt (STROH IL)

South America

ARGENTINA: R. Nacional Mendoza, 6180, f/d cd of snow scene in 3 wks for SS rpt and MS
(Rpt mailed to and cd rcvd from Jose A. Sabater, Presidente - Editor, Club DX Aconcagua,
Casilla 533, 5500 Mendoza, Argentina)(SPARKS CA)
BOLIVIA: R. Panamericana, 6035, ltr and small pennant for SS rpt and MS, in 27 wks, v/s
Luis Penaranda Beltran (SPARKS CA)
CHILE: R. Universidad de Concepcion, 6135, EE ltr, cd, small pennant for EE rpt and MS
in 23d, v/s Carlos Godoy Rocca (SPARKS CA) (Ltr says no rp necessary)
COLOMBIA: R. Guatapuri, 4815, date/fqy personal ltr w/veri statement in 19d air for MS,
SS/EE rpt, v/s Alex Quintero Castro. Pennant rcvd also. (HOFFMAN PA)
Ondas del Ortegaaza, 4975, ltr, pennant and decal in 22 wks for SS rpt and MS, v/s
Elizabeth Santos D. (SPARKS CA)

Rdif. Nacional,
2635, date only
logo cd in
SS/EE in 40d
air, no rp
(HOWELL CA)

Cd reproduced
at right

MINISTERIO DE COMUNICACIONES
INRAVISON
RADIODIFUSORA NACIONAL DE COLOMBIA

Bogotá, Diciembre 20/77.

Ondas Medias: 560 - 560 - 570 - 830
1000 KHz

F.M. Estéreo compatible: 88.9 y 90.7 Mhz

Ondas Cortas: 4.965 KHz banda de 62 Metros
4.965 KHz banda de 62 Metros
5.960 KHz banda de 49 Metros
8.000 KHz banda de 49 Metros
9.635 KHz banda de 31 Metros
15.335 KHz banda de 25 Metros

Gracias por su interesante reporte de recepción
Fecha en: Noviembre 11/77.

Thanks for your kind report dated.



Joe Howell.
2036 Miller Ave;
Escudido, CA.
92025, U.S.A.

Juan C. Imaco Arbelaez
Directo de la Radio.

ECUADOR: Escuelas Radiofonicas Populares, 3985, f/d folder cd + pennant in 32d air, no rp, SS rpt, v/s Padre Ruben Veloz (LEON PA)
 LV de los Galapagos, 4810, no data pc w/birds and "Galapagos" in red, 70d for registered SS rpt, 3 IRCs and MS. Reply by seamail (NEUMANN IN)
 HCBJB, 9560, 11915, 11955, 15115, 15300, 15310, 17865, 17890 (Some of these fqys look a little bit suspect! bc). F/d cds in 24-108d for no rp, 24d for 2 IRCs. "Diesel generator" (SMITH FL)(MONJURE LA)(YAJKO PA)(GRENIER CA)(FOWLER ONT), 10-channel control board (SMITH FL), "Antenna Switching Unit" (YAJKO PA)(THOMPSON NM), "Power Plant in Papallacta" (YAJKO PA), "Newsmen in Action" (PRATH FL)(JOHNSON FL), "Eric Moore and Standby Generator" (JOHNSON FL)
GUYANA (French): FR3, 3385, fqy only FF veri statement in 20d, 1 IRC, FF rpt (HOFFMAN PA)
VENEZUELA: LV de El Tigre, 3255, date/fqy veri ltr in 20d air + pennant for MS and SS rpt (HOFFMAN PA)
 R. Lara, 4800, f/d network cd in 66d sfc for 1 IRC and SS rpt (SMITH FL)
 R. Universo, 4880, date/fqy network cd in 40d air for 1 IRC, SS rpt (HEATH KY)
 R. Nacional, 15400, f/d "Corocoras" cd in 60d air for 1 IRC (ONKEN IL), date/fqy cd of mountain lake in 36d, 2 IRCs (DONLY SC), date/fqy cd of blue/yellow bird in 61d air for 1 IRC (CHILD ME) All cds signed by Charlie Nash, all rpts in EE.

North America

ANTIGUA: Deutsche Welle Relay, 6040, no data circles cd in 70d sfc for 1 IRC (GEORGE TX), same in 258d, no rp (PAOLINI CT), same in 261d, no rp (BATSON KS)
BALEIZE: R. Belize, 3300, date/fqy map cd in 18d air for 1 IRC (DAVIS SC)
CANADA: CFRX Toronto, 6070, date/fqy cd w/marine mobile unit in 13d sfc, no rp (KOVAL NJ)
 CHNX Halifax, 6130, date/fqy white form cd in 16d air, no rp (LENTZ PA)
 CHU (time and fqy), 14670, fqy only cd of Sir Sanford Fleming in 47d sfc (GARBER CA)
CUBA: R. Havana, 9685, f/d long orange and yellow cd in 45d air for 1 IRC and SS rpt (STONE ONT); 11930, red/orange cd in 3 mo sfc, no rp (LOBDELL MA)
DOMINICAN REPUBLIC: R. Mil, 4930, veri statement ltr in 27d air for MS and SS rpt, v/s Julio Castillo Jimenez (HOFFMAN PA), same in 35d for 2 IRCs, SS rpt (DALUM IN)
GUATEMALA: R. Cultural, 3300, f/d "Quetzal" cd in 23d air for 1 IRC (ONKEN IL), same in 20d air for 3 IRCs (JONES CA)
HAITI: R. 4VEH, 9270, f/d cd of control panel and operator in 146d sfc for 1 IRC, EE rpt (HOFFMAN PA); 11835, same in 141d air, no rp (BALDWIN NC), same in 272d sfc (ROPER AL)
MEXICO: R. Huayacocotla, 2390, date only ltr w/stn info in 79d air (43d after mailing!) for 1 IRC (sent to Mexico City address in 1975 WRTH) (JONES MS) (Slight miscalculation here--I intended to print the ltr, but don't have space for it. We'll try again next month. bc)
NETHERLANDS ANTILLES: R. Nederland Relay, 6165, f/d "Wooden Antenna Towers" cd in 43d air for no rp, EE/DD rpt (GARMS AZ), f/d cd "Producers of DX Jukebox" in 30d air for ? IRCs (MONJURE LA); 9590, wooden towers cd in 29d air, no rp (DENNIS IN); 9660, f/d "DX Show" producers picture in 35d air, no rp (HALL CA); 9715, same cd in 31d air, no rp (PRATH FL)
 TWR, 11925, f/d cd w/color photo of studios at night in 17d air for 2 IRCs (THOMPSON NM)
UNITED STATES: United Nations R., 31mb, f/d blue/white logo cd in 216d sfc for MS (HEATH KY); 15410, same cd in 19d sfc, no rp (PAOLINI CT)
 VOA, 6185, f/d "Bicentennial Stamps" cd in 8d air (HOLLENBECK CA), same in 12d (SMITH FL)
9565, same cd in 10d (MILLER CA); 11730, same cd in 7d (KOVAL NJ); 11935, same cd with time/fqy only in 10d (SMITH FL)
 WINB, 15185, f/d red/white/blue microphone cd in 7d air, no rp (ANGELONI NY), same cd in 171d sfc, no rp (FOWLER ONT)
 WYFR, 6055, f/d logo cd in 17d air, no rp (ANGELONI NY); 11705, f/d "City Skyline" cd in 18d sfc for 1 IRC (O'BRIEN BC); 15110, f/d world map w/circles logo cd in 14d sfc for MS (HOFFMAN PA); 17845, f/d white/orange logo cd in 24d sfc, no rp (PRATH FL)

Well, looks like we made it again. Sorry about that R. Huayacocotla QSL but will try to do better next month. Several people came up with the correct translation to the sign last month but Tim Hall was the first one in with the answer. Both he and HAP had been paid off five days before the next correct solution appeared. Italian by the way, courtesy of good buddy Dr. Sam Pusateri, and said "Please step to the rear of the bus". Take a flyer at this one-- I promise it won't be as easy.



POLE POLE WATU WANAFANYA KAZI

Remember, to the first one in with the correct translation goes a SPEEDX pennant and I'll donate five bucks to HAP in your name. You win, HAP wins. If no one translates it correctly, I'll donate a bumper sticker to the first one in who correctly identifies the language. All four of the "Big Four" (BBC, VOA, R. Moscow, and R. Peking) International Broadcasters use it as well as several smaller national voices. So you can hear it on short wave.

Remember, I can use only SW Broadcast QSLs. No MW QSLs and all Ute QSLs go to Ken Compton. I am still getting quite a few Utes that I have to forward on to Ken with no assurance that they will arrive in time to make his deadline. Guess that's it for another month. CU in 30. 73's, Bill

1/16/78

frequencies as closely as 1 kHz. Again, Reference Frequency Logging is used for this.

First, set the fine-tune to 4.0 on the 90 m.b. Set the main tune to a good reference frequency in, say, the 31 m.b. 10000 kHz is good for this example. Zero-beat to set the reference. Now, instead of moving the main tuner, move the fine-tuner. Again, make a chart and graph, zero-beating all reference frequencies.

Gathering enough data points, one finds that the curve is generally linear, but with imperfections depending on the quality of the fine-tuning circuit. Do this for every possible range of frequencies you can find a constant reference frequency for. RFL can also be used to "correct" misaligned tuners by plotting "actual" frequencies against "as-read" frequencies. This eliminates the necessity to have such a receiver realigned, if one cannot afford to have this done.

Reference Frequency Logging is the answer to frequency-correction and calibration problems for many SWL's. Let us hope that Digital Frequency Readout (DFR) add-ons and DFR-equipped receivers appear in the affordable price ranges so that guesswork and RFL techniques will become unnecessary.

|||||

SOME CONSTRUCTION HINTS ABOUT THE COIL ANTENNA

by Mike Agner

I just recently built the coil antenna (hereafter to be referred to as the "horihel" - short for "horizontal helical") that my friend Ed Insinger wrote about in the June T & T, and I would like to share some hints about making this fine performer in order to make things a little easier for those of us not mechanically inclined (myself included).

Use of the aluminum duct tape is not really necessary. It is very expensive in most stores, anyway. So how does one get the wire to stay in place? Quite simple. First, prepunch two holes in either side of the cardboard tubing. One hole should be at one end of the tube, the other hole at the other end, approximately parallel to the first hole. When you feed the copper wire to start winding, take one end of the wire and feed it through one of the holes, leaving about 6 inches dangling. Then take the wire, crimp it over upon itself, and twist the remaining wire around the resulting loop. It should come out to look very much like a bowline. If you tug on the wire, you will find that it does not come out very easily.

The next step is to wind the wire. This is easily accomplished if one sits down to do it. Take a seat on the floor, and extend the wire in a straight line away from you. This is important because if the wire should bunch up on you, the resulting kinks will cause problems. Then take the wire in one hand, the tube should be on the floor, your other free hand on it. Roll the tubing forward slightly, keeping steady pressure on the wire. Do not worry about having to slide it back and forth; so long as you keep steady pressure on the wire, everything will be okay. When you reach the end of you wire, just stick it through the other hole you already made. Use the same method that I previously described above.

To get the coils to stay in place, first dust off the helihor. Then take any varnish-type product (such as liquid plastic) and apply a very liberal coat to the entire tube. The whole job will dry in a few hours in a reasonably dry atmosphere.

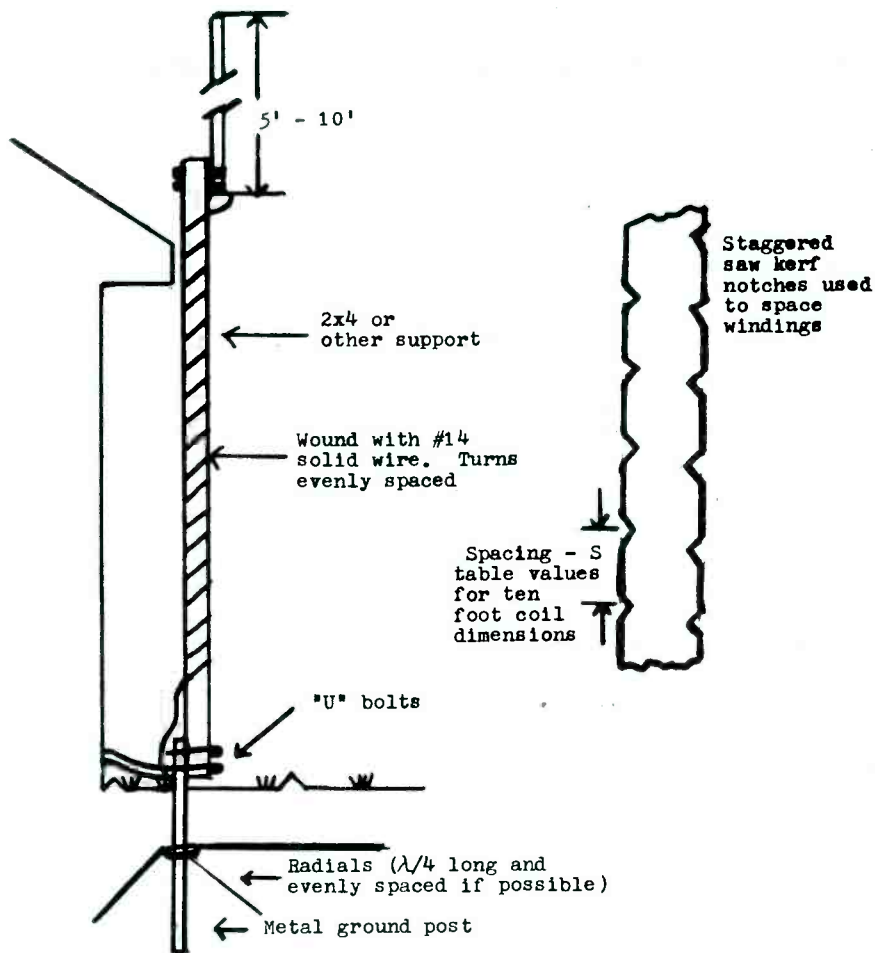
I am in the process of testing this antenna, and find it to perform very well indeed. However, some of us may have problems mounting it in a high spot where no one (including the landlord) will find it. It may be to your advantage to just stick some of the coil out a nearby window, or perhaps mount it with rope across some cup hooks, (in case you don't have a large closet). In this manner, one can quickly take it down and erect it with very little difficulty.

I do not pretend to have the last word on this antenna, nor do I wish to, since this is quite an open area. I am, however, reasonably pleased with

my helihor, and plan to keep it nearby. It easily compares with the two longwires I have for my R4B and SX110; and this astonishes me!

=====

A HELICAL WOUND VERTICAL FOR SWL. . .by Thom Skeer. . .At a recent SCADS meeting, an interesting discussion of SWL antennas was sparked by Jim Young's excellent presentation. The following description is of a compact dimensioned SWL antenna for the small lot owner. Basically, the antenna is a vertical wood, or other dielectric, support extending from the ground to a point slightly above the eave of the house or higher. The antenna is topped with an aluminum rod or other whip and wound with wire. The windings should be spaced to occupy as much of the vertical support as possible and be connected to the base of the whip or rod. The lower portion of the coil is connected, either directly or via a tuner, to the receiver's antenna terminal. The connection may be made with a coaxial cable having the shield grounded.



Here on the desert I use a ground plane made of wires buried under the surface of the ground and connected to a metal stake at the base of the antenna. The ground plane wires should extend radially outward in a symmetric pattern. In my location, they extend only in a generally north-south direction but the reinforcing in the slab foundation may contribute some ground conductivity in one direction.

The length of wire for the helically wound portion should be 1 wavelength for the desired frequency. The chart shows the length of wire for the midpoints of the indicated bands and the inner-winding spacings, to occupy 10' of a modern 2x4 (1 5/8" x 3 3/8"). Notches space the coil turns. I use No. 14 insulated, solid wire but other types may be used.

	90m	60m	49m	41m	31m	25m
L - ft	142	95.5	77	65	49	39
No. of Turns	170	115	92	78	58	47
S inches	.7	1	1.3	1.5	2	2.5

The antenna performs best for the lower bands which is nice because the space required for antennas for these bands can be beyond the small lot's capabilities. The 2x4 may be painted to blend with the house to be unobtrusive. The antenna should be grounded when not in use where thunder storms are likely to be encountered.



A "BANDSPREAD SCALE" FOR THE RADIO SHACK ASTRONAUT 4

by E.V. Sandy Blaize

The ASTRONAUT 4 manufactured by Radio Shack, has proven to be a fine beginner's set and a good casual portable for the experienced DX'er as well. The set drifts a bit and is critical to tune, but this is offset by the excellent sensitivity for so simple and cheap a radio. The main problem to me was its lack of readability in the dial department. The logging scale is in my opinion quite useless! So this leaves one no other alternative but to tune around, albeit painfully, until you find what you want.

I am afraid I owned this set for quite some time before remembering an old amateur dodge to obtain better calibration from certain poorly calibrated surplus sets. Some of the aircraft sets meant to be tuned remotely, did not have ANY calibration at all! So some means had to be devised to "calibrate" it so that it could be used.

The scheme is so simple, you will probably laugh, but don't sell it short. What we will describe is best called an auxiliary "scale" or "dial". It

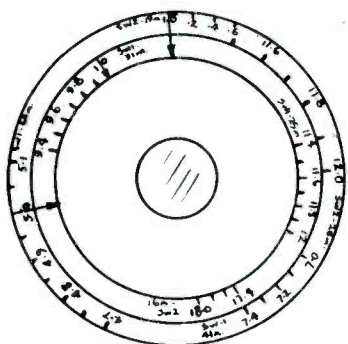


Figure 1

Dial Plate
Actual
Size
And
Typical
Calibration

consists of nothing more than a piece of filing card stock with two concentric circles inked on its face, and a central hole in the middle cut to fit the main tuning knob shaft snugly.

The easiest way to make the scale, (See Fig. 1) is to first draw with a drafting compass, as accurately as possible, a circle 17 mm. in diameter. Using the same center, draw three more concentric circles 50, 60 and 70 mm. in diameter respectively. Leave about 5 mm. extra paper past the last circle drawn (total diameter = 80 mm.) and cut

Outer Diameter = 70 mm.
Inner Circle = 50 mm.
Central Hole = 17 mm.

out the central hole. Do this very carefully with an X-acto knife with a number 11 blade, if possible.

Now find a friend with a signal generator and an accurately calibrated receiver, or a BC-221. Pull off the main tuning and bandspread knobs.

The article says it's suitable for the DX-160, the Lafayette HA600A and the GR-78, but is not suitable for multiple conversion receivers having second (lower) I-F's with variable frequency (local) oscillators operating below the first I-F.

But for my own case, it has given flawless performance for 4 months of daily listening. It cost me about \$110 all told. And I have some pointers for any others who might wish to benefit from my experience, if they want to write me. (955 Via Zapata #6, Riverside, CA 92507)

|||||
REVIEW OF PANASONIC'S RF-2200 RECEIVER. . . by E.V. Sandy Blaize. . . I have been looking for a moderately priced receiver for years that is truly portable. Having been through miscellaneous Jap "SWL" portables and a Heathkit "Mohican", none of these have been good for serious SWling. I hasten to add that all are good "starters" but you will eventually want something better if you stay in the game. Having looked at the XC-30, I find it a bit expensive. Finally, I got to try the RF-2200 and decided that was the one. The receiver is listed to retail at between \$150 and \$170. Mine cost \$150.

There are lots of "pluses" and not too many things left undone in the design. There are some undesirable things, but most of these can be "gotten used to". All in all it is an excellent value for the price.

Not having a schematic diagram yet, I cannot comment on how many things are arranged, but from 25 years experience in dealing with receivers, I can comment on a few preliminary things gleaned from measurements made with my test equipment. The receiver covers the standard FM and AM broadcast bands. The shortwave bands are divided into six 4 MHz linearly calibrated bands. Coverage here is 3.9-29 MHz. Mine tunes 3.5-28.6 MHz but the "ends" are not calibrated too accurately (outside the intended coverage). Therefore you can listen to the 75 meter band. This won't make the 90 and 120 meter buffs happy, and the "marine" band utility listener will miss the coverage between 1.6 and 3.9 MHz. In my opinion, this coverage is wasted on a portable anyway as it takes a good antenna to do anything serious on these bands. Use the regular receiver for this!

The dial system is interesting and fairly well designed. Coarse tuning on SW and AM/FM tuning is by means of a "tape" type slide rule dial, where the tape moves and the fiducial is stationary. SW bands have frequency markings every 0.5 MHz and also "meter band" markings. SW bandspread tuning is on a circular scale much like the ones on Collins receivers. The scale is calibrated in 10 kHz increments from 0 to 990 or a total of 100 divisions. A tuning knob is concentric with this dial and it has a two speed vernier. On fast speed the tuning rate is 1MHz per turn of the tuning knob, and on slow speed 200 kHz per turn. On the circular bandspread dial there are eight calibration check points every 125 kHz. Two crystal calibrators are included: 500 kHz and 125 kHz. When the 500 kHz toggle is depressed the dial locks at the nearest check point (0 or 500) on the bandspread dial and the incoming signals are suppressed. The tuning knob is turned for a null indication on the "S" meter and zero beat. Then the dial can be checked every 125 kHz by depressing that toggle. Corrections can be made every 125 kHz by depressing BOTH toggles, locking, setting, unlocking as before. It sounds complicated, but is quite simple once you actually do it.

Some backlast was noted in the dial, especially on slow speed, but you become accustomed to it after a while. This is the only annoying feature of the receiver so far. This particularly makes SSB "touchy" to tune at times but not as bad as some receivers I have seen.

A straight line frequency air spaced variable capacitor is used in the set for you more technically minded types. Dial illumination is by means of a momentary toggle switch, and the light on both dials and the "S" meter is very adequate. There is some drift in the receiver on CW and SSB, but it settles down after a few minutes. Stability could be said to be adequate but not like a 51J-3 or PRC-7 etc.

Separate treble and bass tone controls are provided. The RF gain control has about a 35 db total range. AGC is not switchable and is on at all

times, but apparently the receiver has a product detector for SSB and CW. AGC action is excellent and there is no evidence of "popping" when SSB/CW signals are listened to. The BFO is tuned to the center of the receiver passband so LSB or USB can be detected with equal effectiveness. There is no pitch control or sideband selector.

The usual telescoping whip antenna is included for FM/SW reception and a retractable/rotatable ferrite loop antenna is included for AM broadcasts. I can FINALLY hear SWR-Bonaire on 800 kHz with ease now! External antenna and ground terminals are on the rear of the receiver on a terminal strip.

Sensitivity on SW bands averaged about 0.5 to 1 microvolt for a 10 db S/N ratio, which is quite good. Some bands are more sensitive than others, and one end different from others, etc, but it didn't fall below 1.5 uv on any portion of the SW ranges. Selectivity is good, "broad" and "narrow" positions being provided. Selectivity was measured and found to be as follows:

	6 db down	20 db down	40 db down
Broad.....	4.8 kHz	12 kHz	22 kHz
Narrow.....	2.2 kHz	6 kHz	12 kHz

I hasten to add that when the RF gain is full up, the AGO tends to make one believe when listening on the bands that these figures are worse than those above. Use of "narrow" and a lower RF gain setting can eliminate a lot of QRM.

A detachable line cord plugs into the rear of the receiver and actuates a switch that cuts off the four internal "D" batteries. The battery box is well made and won't allow the cells to damage the works if the set is dropped. Batteries are replaceable without tearing the set apart.

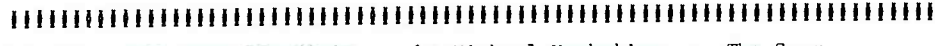
Two 3.5 mm phone jacks are provided on the side for headphones and a recorder output. The recorder output being unaffected by volume control settings.

A nylon, detachable carrying strap is provided, and adjusts for carry handle length or shoulder strap length, depending on how long you want it.

An antenna kit is available for \$35 which includes an antenna coupler, made up "L" antenna and ground rod. Model number is RD-9820. No protective carrying case is advertised for the receiver, which is irritating, as the front panel with all its knobs sticking out is vulnerable. It's a shame they didn't make a nice padded case as an option. I plan to make one of hard foam plastic and some naugahyde on the XYL's sewing machine!

I must say that overall I am very pleased with mine. If you want a "main" receiver, I recommend the FRG-7 by YAESU or a GOOD used R-388/URR (Collins 51J-3), which are both in the \$300 class. If you can afford it and have the space for a heavyweight, the R-390A/URR is a good choice. In spite of what has been written about them, stay away from the Collins 51S-1! The bandswitch turret is fragile and parts are becoming VERY, VERY expensive as well as unavailable!

If I think of any modifications in the future, I'll be sure to pass them along if they are worthwhile. In the meantime, if any of you DXers think of anything, let me know too! I hope this little bit of information will help some of you who are wondering about what to buy. The PANASONIC RF-2200 has my heartiest recommendations.



REVIEW OF THE SONY ICF-5900W. . .by Michael Maghakian. . .The Sony company has recently introduced a radio in America which will make a lot of DXers happy. This is Sony's ICF-5900W portable AM-FM-SW radio. This radio lists at \$150, but it can be bought for \$120.

This receiver is a dual conversion, 5 kHz readout radio with many advantages and few disadvantages. The ICF-5900W receives SW on three bands: 3.6-10.3 MHz, 11.4-20 MHz, and 20-29 MHz.



The tuning system is very unique. It will be a little hard to explain, but it goes. There are two controls: main and bandspread, but do not think of the DX-160, it is far from it. The main dial is marked every 250 kHz, but for accuracy, a crystal marker which puts out harmonics every 250 kHz is built in. After tuning to a 250 kHz interval on the main dial, the bandspread becomes accurate to 5 kHz. The bandspread tunes + or - 150 kHz from the 250 kHz main dial setting.

As a tuning example, suppose you wanted 9810 kHz. First you figure out which is the closest 250 kHz interval: 9000, 9250, 9500, 9750 or 10000 kHz. In this case it is 9750 kHz. After setting the main dial to 9750 kHz, with the use of the crystal marker, the bandspread dial can easily be set to

9810 kHz. If it sounds hard, it is not, it is as easy as an SFR-4 or equivalent receiver.

I have found the performance of this receiver to be as good as a receiver costing twice as much as the ICF-5900W.

Sensitivity - I have found the sensitivity to be more than adequate and comparable to much more expensive receivers.

Selectivity - In most cases I am able to select stations 5 kHz apart with ease unless one is a powerhouse near my location.

Image Rejection - The use of dual conversion circuitry has resulted in my not finding one image.

B.F.O. - This radio uses the single B.F.O. and not the lower/upper side band. But I find this better because I use the B.F.O. to tune in stations more accurately by finding the station carrier.

Calibration Accuracy - This receiver has tuning ease that has errors usually no more than 1 or 2 kHz.

In addition, the Sony ICF-5900W features tone quality, which on FM equals stereo performance. And with 1.9 watts of power, there is power to spare. Another set of controls adding to the Sony's greatness are its bass and treble controls. Using these controls you can cut noise, increase selectivity and suit the audio to your taste. The Sony does have one disadvantage though. If you are within a few miles of a 50 kW MW transmitter you will get some images on the SW band. I would not consider this bad because it has not caused me trouble yet. I also feel that a clarifer and a variable selectivity switch would help.

In conclusion, although I would have liked to said more, I hope I have succeeded in telling what a good receiver the Sony ICF-5900W is. I would recommend it to anyone looking for a new receiver - it has a ton of advantages.

XX

ODDS AND ENDS Well, that's it for another month. I hope you all enjoyed this special technical issue. If response to this issue is good, I will do another like it in the future. This issue is a special anniversary for me. It was four years ago that I became editor of T & T. All I can say is "THANK YOU" for making these four years great, by giving me very good support. I hope to be saying "Thanks for eight years!" four years from now! If you continue to give me the support you have, it will be easy for me. Thanks folks!!

We failed to give proper credit for a fine article last month. Sorry about that. The article on pages 50/51 entitled "SHORTWAVE MUSIC - A WORLD OF DIFFERENCE" should have been credited to the Herbert H. Lehman College Radio DX Club bulletin, May 1977 issue (Volume 2, #3). We thank President David Brodsky for calling this to our attention.

Keep those fine articles coming folks. It's YOUR contributions that make this section what it is!

Arthur

SHORTWAVE RADIO RECEIVERS IN - NEWSPAPER REPORTERS OUT

The following article comes to us from the HOUSTON POST July 16, 1977 and was sent in by Terrance Ward of Waco, Texas.

TORONTO(UPI) - Global News carries stories about developments in the Middle East, peace proposals for Rhodesia, a coup in Asia, an historic election in Europe. But not a single dispatch from a correspondent. In fact, the weekly tabloid has no reporters!

Global's news gathering depends instead on a bank of SHORTWAVE RADIO RECEIVERS tuned to government broadcasts of 36 nations, monitored and recorded 24 hours a day. Aided by sophisticated scanning devices and timers that automatically tune in to news broadcasts from cities around the world, the monitors and recorders collect news and editorial opinions which are then published verbatim.

Tapes of the broadcasts are transcribed by a small staff of typists and handed to the editors, who decide which stories will be used. The idea, according to publisher Robin Hall, is to present news as it is reported by various countries around the world - complete with each nation's individual interpretation.

Distributed free to passengers aboard major international flights, Global is aimed at "the truly sophisticated traveler, the internationalist - people who do business and travel," Hall says. It is paid for by the airlines and advertisers.

Hall, a former advertising copywriter and account executive, developed the concept with Brian Nolan, an award winning journalist formerly with the Canadian and American Broadcasting corporations. "The whole concept was his, really," Hall says of Nolan, who is now Global's vice president and managing editor. "Brian was in Athens, Greece, during the military takeover, and began monitoring other countries shortwave radio broadcasts."

During his search for news in the midst of political upheaval, Hall says, Nolan discovered that every country in the world has an English language news broadcast. The Global News concept began to germinate. Hall and Nolan decided there might be a market for a publication based on reports from countries at the center of world events. In addition to news stories, Global carries theater and cultural reviews, stock market analyses, sports reports and photographs of major events.

Two airlines - Air Canada and Spanish Iberia - already have signed contracts with Global, and negotiations with other major carriers are continuing. The newspaper also will be available in international hotels and by subscription, giving it a total sales potential of many thousand copies per week, according to Hall. "I've got to believe there are 50,000 to 60,000 people in a world of three billion to whom this is going to appeal," Hall says. "It's a pretty presumptuous and altruistic dream, but we want to make something worthwhile out of this, and perhaps have an impact on world journalism."

.....

DON'T THROW ROCKS Sorry UTE fans, no utility section this month. No word from Ken by press time. Ken is usually early with his column each month, so maybe he is still digging out of the snow storms. We hope all is well in Brighton, Mass.

GET WELL QUICK Those who have reaped the benefits of all the great material from Japan sent in by our friend Gib Junqua, may wish to send him a note or card. Gib's been under the weather since November. Drop him a line and say how much we miss him. Gib Junqua, 5-2 Shimochujo-cho, Ibaraki-shi, 567 Osaka-fu, Japan.

RADIO FRANCE INTERNATIONAL Matthew Brown, 3310 Picardy Court, Mequon, WI 53092 is interested in hearing from listeners of RFI in North America. The thought being to possibly set up a listeners club to show that North American SWLs ARE interested in RCI's programs and a North American service is desired by many. RCI's beam to Africa is usually well heard in NA, but of course the timing is wrong for the NA audience. Drop Matthew a line.

RADIO SWEDEN JUBILEE CONTEST To celebrate the 30th anniversary of SWEDEN CALLING DXERS, Radio Sweden is having a Jubilee Contest open to all SWLs who understand English. Date is February 27 - March 5, 1978. Winner will be the SWLer who logs the greatest number of English DX programs during this period and notes the most details. SCDX program must be one of those logged. One of the purposes of this contest is to promote all the DX programs on SW radio. No tape recordings. Send logs by March 6th(postmark)to:JUBILEE CONTEST, RADIO SWEDEN, S-105 10, STOCKHOLM, SWEDEN.

FEBRUARY CONTRIBUTORS PAGE

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, QSL, UTE & SKEDS are not listed here, they are recorded separately by the membership chairman by perusing each issue. The * preceding a number indicates credit is given for credits that were missed the previous month.

2	AMBRUSTER, DAVID	WI..CRF-160	4	IRELAND, JEROLD	TN....FRG-7
3	ANGELONI, RICHARD	NY....DX-40	6	JACKSON, RANDALL	OR...AIRLINE
3	BALDWIN, MIKE	NC....FRG-7	3	JOHNSON, DALE	MAN....SB-310
1	BATSON, BOB	KS....SSR-1	5	JOHNSON, RICHARD	FL....DX-160
4	BEAUDOIN, BOB	CT....FRG-7	2	JONES, JACK	MS..DX-150A
4	BEUKELMAN, BILL	HOLLAND...XCR-30	5	JONES, MIKE	CA.CRF330-K
1	BILLER, JEFFREY	NJ....DX-160	1	KAM, YUK-TONG	HONG KONG...RACAL
4	BLAIZE, SANDY	LA....51-J3	3	KARCHESKI, WALT	MA....SPR-4
2	BODELL, BOB	OR....SPR-4	1	KLONTZ, W.C.	CA....SPR-4
4	BONNER, CHRIS	OH....DX-160	3	KOVAL, STEPHEN	NJ....DX-160
4	BOURNE, FRED	OKINAWA...FRG-7	1	LAVES, ALAN	TX...DX-150A
4	BROOKWELL, LARRY	CA....SPR-4	1	LEGGE, ROGER	VA.....51-J
3	BRYAN, JAMES	CA....SPR-4	3	LENTZ, HANK	PA....SSR-1
4	BYCURA, JOHN	PA....PAT-9	3	LEON, JERRY	PA....FRG-7
3	CARRIER, DAN	FL....FRG-7	3	LEVESQUE, DIANE	IL...XCR-30
2	CHABAK, MIKE	CO...HQ-180	2	LINDSEY, RANDY	NJ....DX-160
1	CHADBOURNE, CHAD	CA.HOMEBREW	*6	LOBDELL, CHRIS	MA....FRG-7
2	CHILD, CRAIG	ME....FRG-7	1	MACRIS, RANDY	MO...DX-160
4	CHITUCK, BRUCE	MD....DX-160	5	MAGHAKIAN, MIKE	NY.ICF5900W
1	CLEVELAND, BILL	CA....SPR-4	1	MAHER, JAMES	NY....S-125
1	COHEN, JON	NJ....FRG-7	3	MAYER, JIM	CA....FRG-7
2	CONSTANTINIDES, C.	GREECE...XCR-30	1	MCCREERY, DAVID	GA....FRG-7
5	DALUM, GERALD	IN....FRG-7	2	MCCURDY, TIM	CA...HA-600A
2	DAVIDONIS, LEO	MA..HA-600A	4	MELLINGER, CRAIG	NJ....FRG-7
3	DAVIS TONY	SC....FRG-7	3	MILLER, WILLIAM	CA...DX-160
2	DAVIS, WAYNE	NJ....HRO-60	3	MITCHELL, RICHARD	CA....SSR-1
1	DAWSON, ARCH	CA....SPR-4	*5	MONJURE, RICHARD	LA...DX-160
1	DENNIS, AMEL	IN...SX-190	2	MURPHY, MARK	NY....PYE-H
1	DEVENDORF, J.C.	CA....SPR-4	3	NAVYOR, SPENCE	CA....FRG-7
5	DONLY, BOB	SC.EDY-8302	1	NEUMANN, SERGE	IN...HQ-180
1	DULMAGE, WILLIAM	ONT.REM-188E	1	NOVELLO, JAY	NY...XCR-30
4	EARHART, KEN	PA....FRG-7	2	O'BRIEN, JIM	B.C....S-120
2	ELDER, RICK	SASK.KW-3000	1	ONKEN, JOHN	IL....FRG-7
3	FAMULARO, RALPH	NJ...XCR-30	2	OWSLEY, BENTON	CA...HQ-145
3	FLORIAN, JAY	IL....SPR-4	3	PAOLINI, GREG	CT...SW-717
7	FRASER, BOB	MA...XCR-30	1	PEARSON, BRUCE	OR...DX-160
2	FRENCH, BOB	MD....S-108	1	PEARSON, WILLIAM	PA...DX-160
1	FRANZIS, PATRICK	CT...DX-160	4	PECENKA, JOSEPH	IN...XCR-30
5	GAEDE, ALLAN	CA...R-390	2	PECK, MARTIN	NY.TEM-1600
1	GARBER, STEVEN	CA..C-5027A	1	PERRY, COLIN	QUE.GRU-2000
3	GARFIELD, GENE	MA..ASTRO-6	1	PETERS, DAVID	KY....SPR-4
3	GARMS JAMES	AZ...DX-160	2	POTACZEK, JOE	IL...SX-71
2	GAVARAS, TOM	MN...HQ-180	4	PRATH, JOHN	FL...DX-160
4	GEORGE, CHARLES	TX....SSR-1	*6	PROOM, STEPHEN	ENGLAND.SAT-2100
1	GREEN, DALE	UT...R-390A	5	RADTKE, CARL	CA....SPR-4
4	GRENIER, PETE	CA....FRG-7	1	RESE, ORLA	KS...QR-666
*6	HALL, TIM	CA..DX-150B	3	ROPER, TIM	AL...ASTRO-4
1	HALLBERG, SCOTT	IL...DX-160	1	ROSINSKI, FRANCIS	PA...SX-25
4	HANSEN, CHRIS	NY....SPR-4	4	ROUNDS, PETER	CA...GR-78
1	HARDESTER, MIKE	OKI....SPR-4	2	ROUTENBURG, PAUL	ONT...SPR-4
3	HAUSER, GLENN	TN....FRG-7	1	RUSSELL, GARY	IL...SSR-1
3	HEATH, BILL	KY...DX-160	1	SCHIPPELLITI, PETER	MA....FRG-7
2	HILL, NORMAN	VA....DX-40	4	SEILER, RON	B.C....FRG-7
1	HOBSON, KEVIN	MI....FRG-7	3	SKORA, GREG	ONT...TRAN-0
3	HODSDON, THOMAS	MN....FRG-7	2	SMITH, ALBERT	OH....SSR-1
2	HOFFMAN, CHARLES	PA....FRG-7	2	SMITH, DAVY	AL....S-85
2	HOOK, JERRY	FL....DR-22	6	SMITH, TOM	FL...XCR-30
2	HOLBROOK, HANK	MD...SP-600	3	SMITH, TRAVER	CA....FRG-7
2	HOLLENBECK, RUSSELL	CA...TRAN-0	5	SNYDER, SCOTT	NY..GE-PORT
6	HOPKINS, JEFFREY	PA...DX-160	3	SOMERS, JACK	CA....FRG-7
1	HOWARTH, CHESTER	WA....SPR-4	1	SPARKS, BILL	CA...R-4B
6	HOWELL, JOE	CA...DX-160	5	STONE, WILFRED	ONT...SX-190
1	HUTCHINS, CHARLES	ME....FRG-7	1	STREVELER, DENNIS	HI....FRG-7
1	IMBERT, MARTIN	NM....FRG-7	2	STROH, EDWARD	IL....SPR-4

1 TAGUE, BARRY	OK....FRG-7	3 WALL, BRADFORD	CA...XCR-30
1 TANNERWALD, LEON	NY....SPR-4	1 WALTERS, JOHN	NJ...R-1530
4 THOMPSON, GLENN	NM.HQ-145-A	2 WATSON, FRANK	CA....FRG-7
5 THOMPSON, PEGGY	CA..RF-2000	3 WATTS, GREG	IN..DX-150B
2 TILBURY, EDWARD	AK...FR-101	1 WHITEHEAD, JIM	MA...SX-190
3 TRAUTSCHOLD, JOHN	WI....FRG-7	3 WILLIS, FRED	PA....GR-78
1 TROCHIMCZYK, J.	DC...XCR-30	1 WIRRELL, BOB	MA....SX-42
1 TRUBEE, BILL	HI....SPR-4	2 WOLTMAN, FRANK	WI...DX-160
3 UERLINGS, JAMES	OR...SX-130	3 YACONO, DOMINICK	NY..D-7000Y
3 UTTER, RICHARD	NY....SPR-4	6 YAJKO, BOB	PA....SPR-4
2 WALCUTT, DAVID	IL.....??	4 ZILMER, BOB	WI....SPR-4

Asia-Oceania contributors do not appear on this month contributors page, as the list has never reached me, I have to assume that it is lost in the mail. However, next month, I will list the names and will add an * indicating missed this month. I will make up a list by perusing the A/O column.

Regardless of the missing list, we still had 150 contributors. We thank you. This month, we will welcome 11 first time reporters, they are as follows: Jeffrey Biller, NJ; John Bycura, PA; Steven Garber, CA; Gene Garfield, MA; Patrick Franzis, CT; Joe Howell, CA; Randal Jackson, OR; Dale Johnson, Man. Canada; Jerry Leon, PA; Traver Smith, CA and David Walcutt.

---***---

The DX-Montage page this month has an item about AFRTS going off the air on January 16. Due to the heavy mail received by VOA, from the shortwave listeners, the discussions on a local (Los Angeles) radio talk show, together with a Los Angeles councilman going to Washington DC to speak to the Chairman of the proper committee, VOA has rescinded their original ruling, therefore AFRTS is still on the air.

USSR HIGH FREQUENCY BROADCAST NEWSLETTER

A reminder that the excellent newsletter can be had monthly for only \$3.00 per year. Write to Roger Legge, P.O. Box 232, McLean, VA 22101. It's loaded with valuable to the serious shortwave listener.

ITEMS FOR SALE

Hallicrafters Model S-95 Civic Patrol receiver, tunes 152-173 MHz. Excellent condition, \$35.00 post paid. (sold for \$59.95 when new) Heath-kit Model AR-3 receiver, tunes 550 kHz to 30 MHz in 4 bands like new, assembled \$25.00 upd. Contact Craig T. Mellinger, 15 Tremley Ct, Parsippany, NJ 07054.(201)8871582

Barlow-Wadley XCR-30 Mark 2 receiver with accessories \$220.00 ppd. Gilfer A-20 Preselector 3.2-18 MHz version \$42.00 ppd. Both units in mint condition. Contact Andrew Pappas, 11421 S Maplewood Ave, Chicago, Ill 60655.

Grundig Satellit 2000 receiver, recently aligned & overhauled. Will sell for best offer over \$200, or will swap for a good XCR-30 or FRG-7. Contact Sandy Blaize, 417 Ridgewood Dr. Metairie, LA 70001 (504)834-8064.

R-390 good condition \$325.00 BB221M with power supply & Xtal book \$35.00 Will not ship, but will deliver anywhere in greater San Francisco Bay area. Contact Bob Hill, 139A 5th Ave, San Francisco, CA (415) 752-4164.

65 issues of SPEEDX, July '71 to October '76, all in mint condition. Only missing issues are the November & December 1976. Will trade for Pre-selector, Crystal calibrator (multi marker or a good antenna tuner, Make an offer. Contact Robert Wirrell, 85 Stillman Ave, Brockton, Mass. 02402.

Mike Maghakian, 2819 Morris Ave, Bronx, NY 10468, would like to correspond with DXers who use the computer as an aid to DXing. Mike knows BASIC and FORTRAN, and uses an IBM 370. (212) WE 30882. Mike is an accounting student at City University of New York.

If telephone is used in regards to the above ads, please do not make any collect calls..

SPEEDX is sorry for the late issue. The mails do go through strife and storms, however they slow up the mails at time, Hi. 73's Ollie.

THE OFFICIAL DX MAGAZINE PUBLISHED MONTHLY BY SPEEDX
BOARD OF DIRECTORS.....Don Johnson(President), John Trautschold
 (Vice-President), Jim Whitehead, Bob Bodell, Alan Brooks
MANAGING EDITOR.....Oliver Ellsworth
BUSINESS MANAGER/PUBLISHER/TREASURER.....Don Johnson
PROJECTS COORDINATOR.....Doug Snyder
MEMBERSHIP CHAIRMAN.....Vera Crable
AAROS CHAIRMAN.....Jack Jones
SPEEDXGAM EDITOR/PUBLISHER.....John Trautschold
CENTRAL DISTRIBUTING EDITOR.....Robert Zilmer
 (P.O.Box 697, Milwaukee, WI 53201)

SUBSCRIPTION RATES PER YEAR
FIRST CLASS MAIL TO USA/CANADA/MEXICO.....\$12.00
 AO(AIRMAIL) TO CENTRAL AMERICA/CARIBBEAN..... 18.00
 AO(AIRMAIL) TO SOUTH AMERICA/EUROPE..... 20.50
 AO(AIRMAIL) TO ASIA/AFRICA/OCEANIA..... 23.00
FIRST CLASS WORLDWIDE (Outside USA/Canada/Mexico)..... 14.00
SAMPLE COPY WORLDWIDE......6 IRC's or 1.00
 (MAKE ALL MONIES PAYABLE TO SPEEDX IN US FUNDS)

Permission is granted to broadcast, publish, or reproduce any material contained herein (excepting items which state that they appear by permission from other sources) providing credit is given to: SPEEDX, P.O. BOX 117, ELSINORE CALIFORNIA 92330 USA & the editor or column.

INDEX

KEYNOTES.....OLIVER ELLSWORTH 3
DX MONTAGE.....ALAN BROOKS 6
TECHNICAL TOPICS.....SANSERINO & BLAIZE 8
SWBC WESTERN HEMISPHERE...WHITTEHEAD & MCCURDY 10
EUROPE.....PETER SCHIPPELLITI 16
AFRICA.....WAYNE OLIVER 21
ASIA OCEANIA.....BOB BODELL 26
STATION SCHEDULES.....LARRY TALBOT 35
SWBC QSL SECTION.....BILL CLEVELAND 38
TIPS & TOPICS.....ART GETZEL 45
CONTRIBUTORS PAGE.....OLIVER ELLSWORTH 54

World of SWL'ing

SPEEDX
 Will keep you in touch

SPEEDX
 POST OFFICE BOX E
 LAKE ELSINORE CALIFORNIA
 UNITED STATES OF AMERICA
 92330

WILLIAM FARMERIE 0378
 15165 rue St Hyacinthe
 Ste Genevieve, Quebec
 CANADA H9H 1E7



FIRST CLASS

FIRST CLASS MAIL
 U.S. POSTAGE PAID 244
 PO PERMIT NUMBER 36
 ELSINORE CA 92330

