

SPEEDX

the dx radio magazine for active shortwave listeners



GEORGE JACOBS

GEORGE JACOBS joined the VOICE OF AMERICA in 1949 and since 1953 has been CHIEF of the FREQUENCY DIVISION. Mr Jacobs is responsible for much of the success of VOA's worldwide operation, for which he has received many honors & awards. A Registered Professional Engineer, Mr. Jacobs is also an author of some repute, contributing regularly to scientific & professional journals. Hats off to Mr. Jacobs!

FEBRUARY 1977

Vol. VII No. 11



KEYNOTES



Editor: OLIVER ELLSWORTH

2043 West 75th Street, Los Angeles, California 90047

CONGRATULATIONS TO 7 NEW FULL MEMBERS

DONALD DUTKOWSKI RICHMOND, BC, CAN	RICHARD MALONE SPRINGFIELD, MA	TOM WARRENBURG DELAN, WI	THOMAS HALL SAN FRANCISCO, CA
JAMES BRYAN TRACY, CA	GARY RAPE BUFFALO, NY	TAKEHIRO ARAKI JAPAN	

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

SPEEDX WELCOMES THE FOLLOWING NEW ASSOCIATE MEMBERS

DAVID WALCUTT CARBONDALE, IL	MARK BURNETT MADISON, WI	JIM BURNETT MADISON, WI	ROBERT DONLY COLUMBIA, SC
RICHARD LEICHTMAN HAMILTON, OH	EDWARD TILBURY ANCHORAGE, AK	DAVID LUBITSCH DES PLAINS, IL	DAVID KOSKOVICH BRISTOL, CT
DAVID JONES VA BEACH, VA	HIROSHI FUKUSIGE TOKYO, JAPAN	RANDY TOMER SONORA, CA	KEVIN HOBSON TRAVERSE CITY, MI
MICHAEL WESTFALL RIALTO, CA	RICHARD BICELOW WILMINGTON, DE	PETER WENZEL ELMONT, NY	CHARLES GEORGE DALLAS, TX
MARTIN PECK NEW YORK, NY	WILLIAM BENEDEK ONT, CANADA	S.J. MARTIN CARMEL, IN	RICHARD EDDIE ST LOUIS, MO
HANS M. ECKARDT SANTA ANA, CA	JAY NOVELLO ENDWELL, NY	G.S. SNYDER TORRANCE, CA	HARVEY HARRISON SANDERSVILLE, GA
FRANK BRATT AUSTRALIA	JOHN HILLEGAS LONG BEACH, CA	PHILLIP NOLDEN SOUTHLAKE, TX	STUART WILDER PHILADELPHIA, PA
KATUHIRO OZAWA YOKOHAMA, JAPAN	GREGG RAYMOND LAWRENCEVILLE, NJ	CHARLES MARENO ELYRIA TOWNSHIP, OH	

We are certainly glad to have you aboard, hope we hear from you often by your support of the various sections.

SPEEDX AWARDS PROGRAM

A continuation of last months list of those receiving awards in the various categories:

<u>NOVICE</u>	<u>APPRENTICE</u>	<u>360 °</u>	<u>EUROPEAN LISTENER</u>
MARJO MERCADO L. & E. LEISTNER DENNIS DEAN TOM LUNSTRUM JOHN TRAUTSCHOLD BOB LEAMY	MARK BAKER I. & E. LEISTNER DENNIS DEAN	DOUG SNYDER RANDOLPH MARIS TOM LUNSTRUM JOHN TRAUTSCHOLD BOB WIRELL GEO. SLOVINSKI	DOUG SNYDER RANDOLPH MARIS +25 TOM LUNSTRUM JOHN TRAUTSCHOLD +25 BOB WIRELL DAVID JAKUBIAK +25
<u>VOYAGER</u>	<u>EXPERT</u>	<u>WAY DOWN UNDER</u>	<u>AFRICAN LISTENER</u>
DOUG SNYDER	RICHARD PISTEK	DOUG SNYDER RICHARD PISTEK	DOUG SNYDER BOB WIRELL RICHARD SCHWARTZ

More names and categories next month. Up-dated list of awards may be obtained from Jack Jones, 304 Robinhood Road, Jackson, MI 39206. The Country list may also be obtained from Jack, 75¢ (50¢ to Full Members)

GENERAL DISTRIBUTION EDITOR

A reminder that the Distribution Center is now located in Milwaukee, WI. Those of you that wish to send all your loggings to one point should mail them to: Bob Zilmer, 9016 W. Mt. Vernon Ave., Milwaukee, WI 53226. However SPEEDX encourages loggings be mailed directly to the respective editors, but we too realize it can become costly, therefore the Distribution Editor.

NEW QTH FOR DSWCI

The Danish Shortwave Club International (DSWCI) have moved their headquarters. New QTH is: DSWCI, Greve Strandvej 144, DK-2670 Greve Strand, Denmark. This is an excellent choice of a second club to join, as their rates are reasonable and the content excellent. Send 4 IRC's for a sample copy to the above address.

UNIVERSITY OF MANITOBA DX CLUB

UMDX has produced a tape to teach a few basics of Spanish, designed by DXers for DXers. "Basic Concepts in Spanish Station Identification" is designed to provide an introduction to the basics of the Spanish language for the listener who wishes to intelligently monitor Latin American Radio Stations.

Price list for U.S.A. and Canada: Reel to reel, 3-3/4 ips or 7-1/2 ips, \$4.00 via parcel post; \$5.00 via air mail.
60-minute Cassette tape, \$4.00 via 1st class air mail.

Please remit by Money Order Only. No checks, stamps, IRCs or other than Canadian funds will be accepted. UMDX is a member of SPEEDX.
Address orders to: Spanish Tape, UMDX Club, Box 131, University Centre, University of Manitoba, Winnipeg, Manitoba, Canada R3T 2N2.

SPEEDX UTILITY BOOK

The brand new book is nearing completion according to editor Paul Mayo, and Bob Butterfield who is doing the typing. We hope to make an announcement soon and to begin accepting advance orders. From a preview Hqs has seen, it is well worth the wait.

FAIR TRADE COMMISSION

Trigger Electronics of Ohio is allegedly under investigation by the FTC and USPS. SPEEDXers are urged to use caution in dealing with Trigger-Electronics. Members have ordered and paid for items, but have never been filled.

RELAY TRANSMISSIONS

Members are asked to be careful in reporting relay transmissions to the proper editor. Radio Nederland is a good example. A report heard via Bonaire should be reported to the Western Hemisphere editor, and Madagascar relay transmissions to the Africa editor, they should not be reported to the Europe editor unless Holland is heard directly. Radio Nederland transmission reports sent to the Central Distribution Editor, should state; Bonaire, Madagascar or Lopik. Use B, M, & L following the Frequency, such as 11730-B USSR transmissions should be directed to either the Asia or Europe editor, depending on the location of the transmission site or station. Check the map in your "Guide to Soviet Broadcasting"

CONGRATULATIONS ARE IN ORDER

SPEEDX congratulates Rudolf Heim, who has been re-elected as Secretary General of the European DX Council. Congratulations to Dave Browne on his re-election as Executive Secretary of ANARC.

FOR SALE

Barlow Madley XCR-30, as new used only a few hours. Complete with service manual. \$250.00 ppd in USA.
Heath GR-78 in fine condition. \$150.00 ppd in USA. Contact Dick Nelson, 3470 Travis Ave., Simi Valley, CA 93063.

RADIO NEDERLAND DX COURSE

A new DX'ers course will be offered by Radio Nederland beginning April 7th on the DX JUKE BOX program. Entitled "Communications System Course" and written by Radio Nederlands own electronic wizard Jim Vastenhoude, the course concerns the use of the radio frequency spectrum, such as in TV, radar, radio and radio astronomy. Texts are sent free in sets of four upon request to:Radio Nederland, P.O.Box 222, Hilversum Holland. A good chance to increase your knowledge.

GET WELL WISHES

Frank Testa, an original member of SPEEDX and the famous 'meat ball man' of the BAD GUYS, is in the Cardinal Cushing Hospital in Brockton. SPEEDX wishes Frank a SPEEDY recovery. Cards may be sent to Frank at his home QTH:Frank Testa, Chatham West Drive, Apartment 193, Brockton MA 02401.

WORD SEARCH

The word search puzzle in the January issue rec'd almost 30 replies in hopes of winning a SPEEDX pennant. Two names were drawn at random to receive the hard to get pennants. Don Rojewski of Tacoma, WA and Evelyn Larson of Scottsbluff, NE are now the proud owners of a SPEEDX pennant. All who entered the drawing were sent a LISTEN TO THE WORLD ON SHORTWAVE RADIO bumper sticker from HQS. Thanks to all who took part.

NEW DX PROGRAM

Radio Veritas Overseas Service is now presenting a DX program every Monday at 1440-1500 GMT on 9645/11780/15230 in English. According to new SPEEDXER Leonardo Mayo of the Frequency & Monitoring Section, Miss Evelyn Salvadora runs the DX program & writes the script. Target area is South & Southeast Asia but can be heard in other parts of the world. Tune in, then drop a line with your comments, suggestions or a word of appreciation for this new DX program to:Leonardo Mayo, c/o Radio Veritas Overseas Service, P. O. Box 939, Manila, Philippines.

ANARC NEWSLETTER

The Association of North American Radio Clubs publishes a monthly newsletter with information about member clubs, meetings & conventions, etc. It's available to all for \$2.50 per year in the USA. For a large (#10) SASE you obtain a list of member & associate clubs. Also for a SASE you can get the second edition of the "List of DX Club Publications and Services in North America". Write to:ANARC, 557 North Madison Ave., Pasadena, CA 91101.

WDX CALL SIGNS

For information on WDX Call Signs send a large (#10) SASE to:Hank Bennett, P.O. Box 3333, Cherry Hill, NJ 08034.

DSWCI TROPICAL BANDS SURVEY

The fourth edition of this very useful DXing aid is available for 8 IRC's airmail from:DSWCI, Greve Strandvej 144, DK-2670 Greve Strand, Denmark. 34 pages in English cover 2200-5900 kHz with info on power, times, schedules, and more. It's all listed by frequency and is a must for those who need help IDing stations in the low bands.

NEW CHAP CHAIRMAN

SPEEDXER Bill Dulmage (RR #3, Colborne, Ontario, Canada K0K 1S0) would like it known that he is the new Chairman of CHAP, the Canadian Handicapped Aid Program. Requests for info or offers to help CHAP should be sent to Bill at the above address.

MINT STAMPS

Mint stamps for almost all countries in the world are available from:DX Stamp Service, 83 Roder Parkway, Ontario NY 14519. Send a large (#10) SASE for information and price sheet.



DX MONTAGE

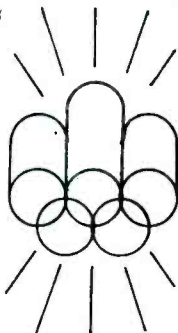
RESEARCH/COMPILATION/REDACTION by A. W. BROCKS

74 Massachusetts Road

Oakdale, Connecticut 06370

THE EXTINGUISHED FLAME AWARDS (or "It's Not Whether You Win Or Lose..."):

So many shortwave broadcasters covered last year's Olympic Games in so many different ways that it seems inconceivable that some of the most memorable achievements were given minimal reference or else overlooked altogether. We wish to right those wrongs by recognizing some accomplishments passed over by so many of the world's major broadcasters... For example, can you identify with the two English yachtsmen who, after finishing fourteenth out of sixteen in their event, burned their boat and waded ashore? Or how 'bout the New Zealand field hockey team which skipped the usual post-game news conference after winning the gold and roared off in a bus towards the nearest pub? I'll drink to that! So now let's hear it for the stadium worker who...to the horror of tradition-minded officials...relit the Olympic Flame with his lighter after it was doused by a cloudburst! But the man I can identify with most readily is the Haitian runner who was lapped nine times and finished five minutes behind everyone else in the 10,000-meter event...I have days like that!



AGORNS FROM OAKDALE:

...Bragging is the patter of little feats...



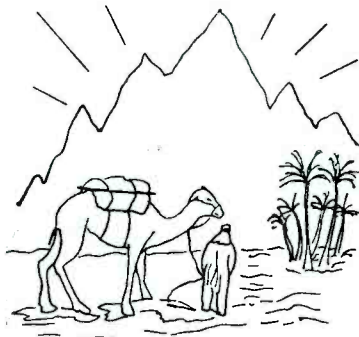
ODDS 'N' ENDS: Did I hear that right? When tuning the BBC on New Year's Eve at midnite the continuity announcer instructed me that we were awaiting the chimes of "Great Tom" to ring in the New Year 1977. Was "Big Ben" purged?...Help, help, help me get this song out of my head! I whistle it at work, I sing it in the shower, I hum it in my sleep! But I can't name that tune! What is the title of the theme music utilized in the opening and closing portions of the weekly "Malta Calling" program from Radio Mediterranean?... Beginning the second week in February RCI's "Weekend Magazine" will initiate segments in their series on frequency management.... A recent letter from Radio Nacional de Venezuela's Charlie Nash finally recognizes operation on 15400 kHz calling it "a 'boo-boo' on the part of our tech department"...

THE RUSSIANS ARE LISTENING: Author Hedrick Smith has recently written a book entitled The Russians....published by Quadrangle.... and it contains a curious excerpt. In presenting evidence that most Russians possess a love of country deeper than patriotism... and more intense than anything the author had ever encountered before...Mr. Smith indicated that this loyalty may make Western broadcasts to the Soviet Union counter productive. He quotes a Russian woman, no great Party supporter, as saying she trembled with rage whenever Western radio transmitted unpleasant news about the Soviets. She said she knew that what the transmissions said about Russia was true, but "it did not make me angry so much at our system as at the Voice of America". As the French put it... Il n'y a que la vérité qui blesse...

SWISS STICKER OFFER: The Swiss Broadcasting Corporation is advertising a free sticker for any SBC European and Overseas Services listeners who write in for one...

YOU'RE NOT LIKELY TO HEAR IT ON THE B.S.K.S.A., BUT.....

The idea of bringing fresh water to dry coastal areas by towing icebergs from the polar regions has been discussed, at least hypothetically, for a century or more. That idea may now be taking a step closer to reality, says a New York Times article. The Saudi Arabian government has commissioned a French engineering firm to perform "feasibility studies" on towing icebergs from Antarctica to the Red Sea port of Jeddah. The need for more fresh water results from Jeddah's growth and its fresh water supply from wells long ago inadequate. Much of the port's water is currently derived from desalination of sea water. By towing icebergs to Jeddah it is calculated that drinking water could be delivered at half the cost of desalination. If you're experiencing difficulty getting that answer from Saudi Arabia, perhaps that next reception report should be accompanied by an ice-cube or two...



**SPEE
DX****DX MONTAGE***The*
SOAP BOX

A DIVISION OF "DX MONTAGE"

Moderator: *Alan W. Brooker*

A discussion initiated in the November 1975 edition of THE SOAP BOX re consolidation of DX club bulletins continues as two more members voice responses:

ROBERT FOXWORTH (New York): "I enjoy getting a choice of bulletins each month, as my interest increases in SW DX. I belong to two of the "magazine format" clubs now and am planning to join the third..."

"I don't think it's fair to say that you would get a consolidated bulletin with "everything to offer"...one would likely find that any number of former contributors would not support a consolidated bulletin, depending on whom the surviving publisher/editorial group was. This, of course, reflects politics and favoritism which are criteria that govern the way DXers support their clubs..."

"I'm sure you'll find that the consolidated bulletin would not be much bigger than any one of the three now on the market. That's fine for the tips section, but what about the special feature articles, tech hints, clipping repros, etc., that lend extra flavor and interest to a bulletin. It's obvious that a lot of that kind of material would not be available under a consolidated format..."

"And just what is this about savings of money? Getzel (SOAP BOX Sept 76) says the consolidated bulletin would be \$14, so that's a savings of \$30 a year...even assuming the worst case in which you formerly got all three old bulletins. That works out to 8,219 cents per day. Now it's OK to spend 75 cents on a report to Radio Australia for a QSL that proves nothing, but eight cents a day is going to drive the DXer out of the hobby. That is ludicrous. For those to whom the cost is a factor...let them find the one club that reflects their philosophy and interests...and belong to it. For those who really love DXing...let them have access to the inputs that only all clubs can provide..."

"And another thing...say there is a consolidation and the publisher then flakes out. Then what? 2,000 DXers are left holding the bag with no bulletin. At least this way if one publisher folds there is still a source of information left..."

"If any guidance is needed one has only to look at the two major BCB DX clubs, NRC and IRCA...merger has been discussed many times, but each time it's been brought up it's been for politically motivated, ego-building reasons. The idea has been wisely pushed aside each time. It ought to be obvious that there are major disadvantages to merger. The only advantage would be a saving of eight cents per day per DXer..."

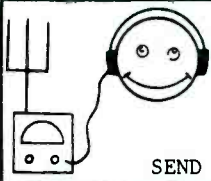


ROBERT KUKAN (New Jersey): The idea (of a consolidated bulletin) sounds good to the penny-pinching DXer who wants something for less...like me..."

"....It's not the DXer who's being hurt...it's the editors and the founding fathers of the club. They have spent years trying to improve their club. With such a bulletin Mr. Getzel might also be out of a job...shoulda thought about that! What columns would the staff chose to keep? I know that some people would be disappointed. It could cause broken friendships and mass pandemonium."

"...also who would run it. The NASWA people are in Indiana, SPEEDX and ASWLC are in the LA area...it's possible to merge them...but, would Stewart MacKenzie, Don Johnson, and the rest of the staff agree...probably not. And what would the name be? The Society To Preserve American Shortwave Listeners?...or what's left of them, I say 'no' to a consolidated club..."

"As for the same material in the bulletins...I belong to two clubs...but I don't send the same material to both clubs at once since I think I would be cheating the members of the club. I estimate that at least 40% of the ASWLC, NASWA, and SPEEDX members also belong to one or more other clubs. I have noticed the same material in the (club bulletins) and then read over (a DX program). It sounds ridiculous, but it's true. It's like sending the same article to two or three local newspapers that have the same audience..."



TECHNICAL TOPICS ?????

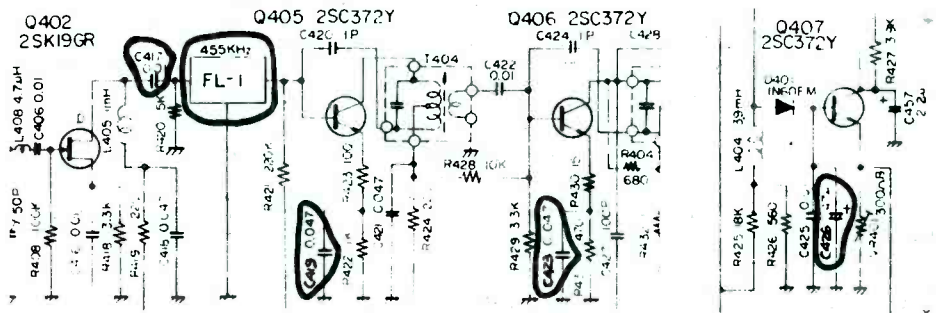
Editor
RALPH SANSEERINO

TECHNICAL TOPICS
8422 CRANE CIRCLE
HUNTINGTON BEACH
CALIFORNIA 92646

SEND YOUR TECHNICAL QUESTIONS TO:

Tech Topics is sorry for not showing up in these pages for January. The poor old Postal Service gets the blame again. A HAPPY NEW YEAR TO ALL.....
** ***** **

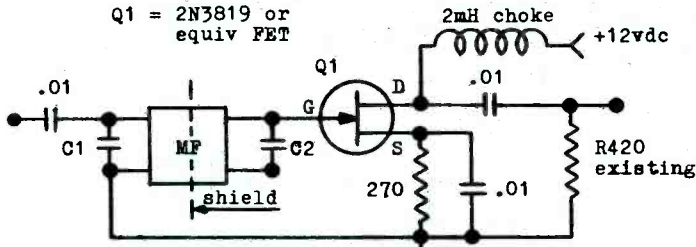
ERG-7 SELECTIVITY, AVC & PARALLAX MODS...



Selectivity & AVC change #1: change emitter by-pass capacitors C419 & C423 to Vernitron #TF-01A ceramic filter. Change C426 from 47uf to 5uf, watch polarity. Easiest way to make this mod is to twist off C419 & C423 and solder the TF-01A on underside of PC board. You can try the same with C426.
** ***** **

Selectivity & AVC change #2: Make change #1 and also change ceramic filter FL-1 to Vernitron #VTD-3-1 ceramic filter. VTD-3-1 will give you 4kHz min. at 6dB and 10kHz max. at 60dB selectivity.
** ***** **

Selectivity & AVC change #3: Make change #1 except change C426 from 47uf to 25uf, watch polarity. Add mechanical filter, see schematic below.....



MF = Mech Filter
Collins F455FD-38 or the sharper F455FD-29 can be used.

C1 & C2 for F455FD-38 = 1000pf mica.
C1 & C2 for F455FD-29 = 510pf mica.

A shield may be needed between input & output of MF, mount MF on copper clad board & solder a piece of the copper clad board between input & output of the MF.

Insert this assembly between C417 & R420. Remove C417 & use its mounting holes for input & output to this unit. Mount MF & components on Vector board & use very short RG-174 coax for hookup, keep center conductor leads on Vector board short.

The Collins F455FD-38 cost around \$70.00, but if you buy a 100 the cost is \$25.00 each. If your interested in mech filters let me know.
** ***** **

Parallax: Remove chassis cover. Tune main dial against stop at high end, note relationship between dial pointer and mark on dial. Dial has to go back in same place at re-assembly. Remove nut holding dial, remove dial, loosen 4 screws holding tuning assembly, put dial back in place, push the

Parallax cont: tuning assembly towards front panel making sure dial does not touch front panel. Tighten back 2 screws on tuning assembly, remove dial and tighten front 2 screws, re-assemble dial in original position.

** ***** **

DX150A, DX150B, DX160 Owners: The FRG-7 selectivity mods will work on your set. Just replace the emitter by-pass capacitors on the I.F transistors with the veritron #TF-01A ceramic filter. This should work on all solid state receivers that use a 455kHz I.F. DX150A, B & 160s use 2 TF-01As.

** ***** **

For info on ceramic filters, mech filters, prices, delivery and FRG-7 mods contact Ralph Sanserino 8422 Crane Circle, Huntington Beach, CA 92646 USA. As of this writing the price on the TF-01A is \$5.00 a pair and the price on the VTD-3-1 is \$15.00 each.

** ***** **

KENWOOD R-300 COMMUNICATIONS RECEIVER: When I pulled the test unit out of its box I was hoping for another good receiver for the SWL/DXer, but that was not to be the case. This receiver has some good features like calibrated bandspread, calibrator for setting main dial tuning, recorder jack and one feature that is not good, birdies and chirps. One well known DXer was heard to say that with all the birdies and chirps they sound like a bird farm. The bands are tough enough with out having image QRM. After some checking it was found that the R-300 was a warmed over QR-666. The bandspread calibrations were marked each 20khz, not much help. They went to all the trouble to calibrate the bandspread in 20kHz marks when they had room to use 10kHz marks, I just do not understand. This receiver is better than the DX-160 but not the price difference better. List price \$239.00. Ham Radio Outlet has 1 or 2 for \$200.00 each via UPS, add 6% tax CA residents.

** ***** **

McKAY DYMEK DR22 COMMUNICATIONS RECEIVER: I am trying to borrow one of these units to test. At first glance the features look real good, but there are some things missing from the specs: no figure given for the skirt selectivity at 60dB, good skirt selectivity is what helps control sideband slop. No mention of components used, like MOSFETS, FETS, ICs etc., sensitivity for AM 300kHz to 29.7mhz is 2.5uV this figure seems a little high to me, most receivers fall in the 1.0 to 1.5uV range for 10dB S+N/N on AM. This receiver features a 5 digit frequency readout with the last digit tuning in 5kHz increments and a fine tune adjustment to put you right on. I will let you know more about this receiver if I get one to test, are you listening George McKay. If you wish a spec sheet write McKay-Dymek 675 North Park Ave., Pomona, CA 91766.

** ***** **

HELP - HELP: Fellow member Gordon Lowry 804 Hartford Dr., Springfield, OH 45503 needs help finding some recording tape for his RD-60/U Code Recorder. Tape is paper and measures 3/8 inch wide. Gordon would probably settle for 100 foot rolls. If you have any info please write Gordon.....Thank You...

** ***** **

LONGWAVE BUFFS: This does not have anything to do with shortwave, but I thought it might be of interest to you readers. I just finished putting together a longwave antenna system that features a ferrite bar antenna with preamp and converter. You can use this system with no modification to your receiver. Tunes 10kHz to 550kHz. Write Jim Hagan 896 Port Malabar Blvd., Palm Bay, FL 32905 tell him Ralph sent you.

** ***** **

NEW & USED RECEIVERS: If you are looking for new or used receivers, parts, surplus items etc., check the pages of the following mags: 73, Ham Radio, QST, these mags are available at your local ham radio store. If anyone out there has names of dealers that have good prices and treat you fair let me know I will try and print them in this column.....Thanks.....

** ***** **

My thanks go to Steve Gelfand, Jon Cohen and Wade Smith for info sent to this writer. With out your help out there this column would be very small. Many thanks to Grant Manning for his help with the FRG-7 mods, a job well done. If I have missed anyone out there, a big Thank You for the help....

** ***** **

DRAKE FS-4 SYNTHESIZER: This unit is now on the market, Ham Radio Outlet 13754 Victory Blvd., Van Nuys, CA 91401 has received a demo and they are going to let me test it with a Drake R4C receiver. Will let you know price and operation of this unit and the operation of the R4C next month.

** ***** **

WORLD RADIO TV HANDBOOK 1977: Do not forget to order your copy of this fine handbook. Delivery is still scheduled for February. Price is \$8.40 from Ham Radio Outlet 13754 Victory Blvd., Van Nuys, CA 91401. Please mention SPEEDX.

** ***** **

SWBC DX - Western Hemisphere

— EDITOR —

E.J. "Jim" Whitehead
177 Pine Ridge Road
Reading, Mass. 01867



It never fails that whenever column time rolls around my boss decides that it is time I took a trip somewhere. This time its off to Punta de Este, Uruguay for a week of contract negotiations after a quickie trip to Mexico City later this week. Maybe I'll finally get to hear the Falkland Islands if I'm lucky because I sure do plan to drag my portable along.

The hot-tip-of-the-month has to be that Radio Nacional de Nicaragua has been intermittently heard in the vicinity of 5920 khz. Several reporters have observed these apparent tests on anywhere from 5915 khz to 5925 khz both in the morning and early evening. LV de los Centauros is back on 5962v, Radio Swan has moved to 6015 khz, and Ecos del Torbes has moved to 6190 khz in 49 m.b. activity while in the 60 m.b. R. Norte was noted back on 4807 khz and R. Super de Cali popped up on 4875 khz. Don't forget that February is carnival month with festivities getting started somewhere around the 20th.

Identifying Latin American stations is easy if you understand Spanish or Portuguese but, many DXers do surprisingly well with only a minimum knowledge of those languages. Their secret is that they have memorized a few key words often used in station IDs or time checks and, with practice, have learned to recognize them. Anyone can master this technique with a little effort. Start with words like those which follow:

desde (dehś-deh) from
el (ehl) the (masc.)
emisora (ay-mee-só-ra) station
en (ehn) in
es (ehs) is
esta (eġ-stah) this
estudios (es-toś-dyos) studios
faltan (fahl-tan) it lacks

frecuencia (fray-kwen-see-ah) frequency
hora (oh-rah) hour
la (lah) the (fem.)
las (lahs) the (fem. plural)
presenta (preh-sehġ-tah) presents
reloj (reh loġ) clock
son (sohn) they are
transmite (trans-meġ-tay) transmits

Then, pick a powerhouse like Ecos del Torbes and listen for station IDs like the following:

Esta es Ecos del Torbes, su emisora predilecta
(eġ-stah ehs aġ-kohs dell tof-bays soo ay-mee-só ra pray-dee-ləġ-to)
This is Ecos del Torbes, your station favorite

Most stations identify themselves on the hour and half hour and often many times in between. Once you get the hang of it you'll learn to pick them out easily. And, get a Spanish-English, English-Spanish dictionary. You'll need one for your reports anyway.

Before I get into the loggings a few notes: Mr. Somers, it would appear you need a little dial realignment as most of your loggings are 5khz high. Mr. Dutkowski, you seem to have a little trouble with GMT or else your frequencies are way off. Many of your loggings don't agree with others or the skeds I have on file. Mr. Brookwell, going east to west across the dateline you gain a day. Returning west to east you gain it back. Thus, you leave Tokyo in the afternoon and arrive in San Francisco before you left, in the morning of the same day. If you are not going to use SPEEDX forms to report loggings please mail early. Such reports take me longer to process and early arrival helps me this end. Now, on to the loggings with the usual reminder that all times are GMT, dates are month/day, and the SIO code is used to report the reception conditions observed. If you are in doubt about an abbreviation, see your New Members Packet.

ANTIGUA

5960 0530 DW Relay: EE nx to NA to 0550* (434 12/23 Orr-CO)
 6010 0130 DW Relay: EE nx to NA // 6040, 6075, 6100, 9565, 9605 and 11865
 (544 11/16 Arnold-CA)
 6040 0130 DW Relay: EE nx to NA (444 1/8 Pyatt-SC)(555 0130 1/3 Rafe-NY)
 (434 0130 12/25 Grenier-CA)
 9520 0930 BBC Relay: Special WS fqy for Queen's Christmas msg, one time
 only, off @ 0945 suggesting 17840 at 1500. (12/25 Hauser-TN)
 9545 0505 DW Relay: GG ID @ 0520* after cl. mx pgm (433 12/28 Grable-ID)
 (444 *0400 1/4 Grenier-CA)(544 *0400 11/27 Arnold-CA)
 9560 *2200 BBC Relay: PP avc to Brazil to 0015, ex-9765. The relay of same
 pgm on 9765 is now Ascension (444 1/10 Legge-VA)
 11875 0930 BBC Relay: special fqy for Queen's msg // 9520 (12/25 Hauser-TN)
 15185 1200 DW Relay: EE ID, GG nx, tlk to Nam. (453 1/2 Zilmer-WI)
 19210 1309 DW Relay: Ggnx, Is 2x 9605 harmonic (12/18 Hauser-TN)

ARGENTINA

6120 0752 LXR1 R. El Mundo: SS ID, SS & EE pop mx (343 12/12 Breeden-MS)
 (433 12/11 0737 Orr-CO)
 9690 *0300 LRA32 R.A.E.: EE nx, tango mx (433 12/11 Lordo-SC)(Stone-ONT)
 (Cleveland-CA)(Bryan-CA)(Bethage-MO)(Gheno-PA)(Granone-NM)
 11710 2319 LRA35 R.A.E.: EE tlk on sea animals, ID, jazz (333 12/14 Onken-IL)
 (Somers-CA)(Pecenka-IN)(Imbert-NM)(Gheno-PA)(Miklejewski-MN)
 (Yajko-PA)(Willis-PA)
 11755 0011 LXR R. El Mundo: mx, SS tlk abt Argentina (weak 12/7 Hauser-TN)
 15345 1452 LRA33 R. Nacional: MOR mx, ID @ 1501, nx (343 12/29 Naylor-CA)

BELIZE

3285 0300 Radio Belize: relay BBC nx, deodorant ad, wx (322 12/31 Klontz-
 CA)(Gheno-PA)(Miller-OH)(Zilmer-WI)(Earhart-PA)(Thompson-NM)
 (Crews-FL)(Macris-MO)(Spencer-OK)(Brooks-CT)(Arneson-MO)(Orr-
 CO)(Sparks-CA)(Jones-MS) and a cast of thousands!!!

BOLIVIA

3370 0603 CP85 R. Universidad: SS tlk by OM (353 1/1 Pecenka-IN) You sure
 this not the new R. Melodia. You didn't indicate an ID hrd!!
 4425 0300 CP?? R. Paititi: romantic vocals, YL ID (343 1/11 Sparks-CA)
 4696 0345 CP117 R. Riberalta: slow songs, 0349* (weak 11/12 Hauser-TN)(353
 variety LA mx, final ID @ 0331* 1/8 Sparks-CA)
 4738 0445 CP136 R. Abaroa: pop mx, ID @ 0447, fading (322 1/3 Crews-FL)
 5007 0033 CP48 R. Universo: theme mx, "R. Universo, desde La Paz" ID by
 YL (131 12/22 Bixby-CA)

BRAZIL

3205 0155 ZYE318 R. Ribeirão Preto: Brazilian vocals, U.S. pops, ID w/
 fqy @ 0158 (222 12/25 Baumgartner-ONT)
 3325 0137 ZYL26 R. Gazeta: PP ads, Brazilian pops (343 12/17 Sapoznikow-
 Wasylik-roberts-MAN)(333 2324 12/24 Baumgartner-ONT)
 4115 0255 ZY?? R. Dif. Cruzeiro do Sul: PP mx & tk often QRMed by SSB ships
 Listed as above by Jan Turner in Dec. DX Jukebox rpt but no
 ID hrd here. Is in Acré territory. (weak 12/19 Hauser-TN)
 4755 0000 ZYF23 R. Dif. do Maranhão: PP tlk, mx, ads (322 12/28 Zilmer-WI)
 4775 0115 ZYZ5 A Voz do Oeste: Brazilian pops, ad string, sudden cut-out
 mid-sentence @ 0130 (333 1/5 Whitehead-MA)
 4785 0132 ZYM8 R. Ribamar: nx headlines, pop mx (443 1/5 Whitehead-MA)
 4807 0205 ZYS8 R. Dif. do Amazonas: pop mx, ads, ID, TC into s/off @ 0208
 (343 12/14 Roberts-MAN)(333 0940 12/22 Tannenwald-NY)
 4855 0551 PRC5 R. Clube do Pará: PP tlk, some mx (333 1/5 Novello-NY)(322
 0534 1/5 Crews-FL)(222 0816 1/4 Brookwell-CA)
 4865 0355 ZYC33 R. Soc. Feira de Santana: pop mx, PP IDs & TCs (232 1/2
 Zimarowski-MA)(333 0100 1/1 Stuart-MA)
 4915 2345 ZYE2 R. Dif. de Macapá: Brazilian mx, frequent PP IDs (333 1/12
 Legge-VA)(433 0930 12/23 Butterfield-MA)
 4947v 0245 ZYK41 Emiss. A Voz do São Francisco: slow, romantic ballads spun
 by OM, full ID w/ fqys @ 0300* (333 1/13 Whitehead-MA)
 4985 0458 ZYF208 R. Brasil Central: pop mx, ID (323 1/31 Gheno-PA)(Yajko-
 PA)(Alberts-CA)(Cleveland-CA)(Dutkowski-BC)(Brookwell-CA)
 (Crews-FL)(Novello-NY)(Tannenwald-NY)
 5965 0044 ZYU60 R. Guaiaba: pop mx, PP OM ID (433 12/12 Orr-CO)

BRAZIL (cont.)

- 6000 0013 PRK25 R. Inconfidencia: 2 OM lively spts event coverage, ID
(343 12/12 Orr-CO)(222 0430 12/21 Getzel-NY)
- 6015T 2315 ZYB85 R. Clube de Pernambuco: no IDs but PP pop mx (222 12/24
Getzel-NY)
- 6185 0251 ZYR77 R. Bandeirantes: PP ads, tlk (433 12/19 Yajko-PA)
- 9635 0145 ZYE236 R. Aparecida: nice MOR mx, ID @ 0157, KOed by VOA @ 0200
(343 12/17 Miklejewski-MN)
- 9685 0459 ZYR227 R. Gazeta: end PP rel pgm, ID, mx (322 12/16 Getzel-NY)
(343 0530 12/29 Yajko-PA)
- 9695 2221 ZYB61 R. Rio Mar: mx, ads, "Informas" w/ 2 min. long ID @ 2223
(443 1/4 Brooks-GO)(343 2320 12/10 Earhart-PA)(343 Yajko-PA)
- 11737 0014 ZYP64 R. Clube de Goiania: PP tlk, VOA QRM (12/7 Hauser-TN)
- 11780 2100 PRL8 R. Nacional de Brasilia: EE nx (433 12/29 Rafe-NY)(Saxon-
NY)(Miklejewski-MN)(Bixby-CA)(Miller-OH)(Hall-CA)(Earhart-PA)
- 11785 0055 ZYU61 R. Guaiba: MOR mx, ID/TC (353 12/19 Earhart-PA)(343 2348
w/ PP spts rept 12/31 Zimarowski-MA)
- 11805 0105 ZY265 R. Globo: PP ads, Brazilian pop mx (343 12/27 Yajko-PA)
(343 2325 12/22 Earhart-PA)
- 11865 0024 ZYB85 R. Clube de Pernambuco: PP ID, ads (434 1/2 Yajko-PA)
- 11877T 0002 ZYC40 R. Soc. da Bahia: excited OM tlk (322 12/16 Earhart-PA)
- 11885 2337 ZY225 R. Ipanema/ R. Maua: PP pgm offering advice on sex and
other problems by writing to Paraná address, badly mixed
w/ WYFR (12/11 Hauser-TN)(323 2323 1/3 Dutkowski-BC)(344
0000 12/17 Sapoznikow-MAN)
- 11915 0010 PRC23 R. Gaúcha: PP ads, nx, ID "R. Gaúcha, Porto Alegre, Brasil"
(444 12/11 Famularo-NJ)
- 11925 0008 ZYR78 R. Bandeirantes: PP tlk, ID, mx, ads (233 12/11 Orr-CO)

CANADA

- 5925 2230 RCI: FF nx & spts for Canadian Armed Forces (554 12/24 Willis-PA)
- 5960 2330 RCI: EE "AS IT HAPPENS" (545 12/22 Saxon-NY)(434 0325 12/18
Grenier-CA)(544 0225 FF pgm 1/8 Lordo-SC)(444 0110 1/10
Dutkowski-BC)(555 12/31 2220 Willis-PA)
- 6000 0155 RCI: SS to 0200 into EE (534 12/18 Lordo-SC)(454 0215 1/7
Thompson-NM)
- 6005 1945 CFCX, Montreal: EE hockey coverage (343 1/2 Famularo-NJ)(343
1820 12/8 Macris-MO)(554 1830 1/15 Whitehead-MA)
- 6065 0000 RCI: special "AS IT HAPPENS" (534 12/25 Lordo-SC)
- 6070 1605 CFR, Toronto: DJ chatter, ads (242 1/1 Bethage-MO)(Breedon-MS)
(Imbert-NM)(Macris-MO)(Willis-PA)
- 6160 0802 CKZU, Vancouver: EE nx, spts, wx, mx (322 12/29 Junqua-JAPAN)
(434 0007 12/18 Uerlings-OR)(432 0904 12/26 Bixby-CA)(444
1830 12/12 Rojewski-WA)
- 6175 0605 BBC Relay: EE "Correspondent's Report" (554 12/26 Grenier-CA)
(special xmsn for Queen's msg, believe Sackville 12/25 Hauser-
6195 0000 CBC NS: now here ex-6065, hvy QRM from VOA on 6190 (422 1/9 TN)
Zilmer-WI)(433 0415 1/7 Bixby-CA)
- 9090 1908 CFRB, Toronto: local spts rpt, is 9x 1010 (111 12/11 Hauser-TN)
- 9445 2208 RCI: nx, mx, to Canadian Armed Forces // 5925 (444 12/19 Batson-
KS)(444 2215 12/31 Grenier-CA)(454 2200 12/21 Thompson-NM)
- 9510 *2300 BBC Relay: BBC WS w/ "Nature Notebook" (454 12/21 Thompson-NM)
(332 12/29 BBCWS via Sackville 2300-0030 12/29 Zilmer-WI)
- 9535 0125 RCI: EE to Caribbean (544 12/15 Stone-ONT)
- 9605 0303 RCI: EE tlk on Rhodesia (433 12/29 Grenier-CA)(444 Thompson-NM)
- 9625 1500 CBC NS: ID, sked, nx (333 12/26 Miller-CA)(554 12/18 0004 Batson-
11720 2005 CBC NS: Christmas mx, ID, into FF 2030 (454 12/24 Smith-FL) KS
(Willis-PA)(Dutkowski-BC)(Arnold-CA)
- 11855 1945 RCI: "Weekend Magazine" (453 1/1 Willis-PA)
- 11865 1830 RCI: nx, spts nx, IDs, cmntry (343 12/23 Thompson-NM)
- 15290 2010 RCI: EE nx to Oceania // 17820 & 15325 (554 12/26 Dutkowski-BC)
(353 12/21 2025* Lordo-SC)(444 1920 12/14 Miller-CA)
- 15325 2000 RCI: EE nx, magazine pgm to S. Pacific (554 12/19 Miller-CA)
(333 2000 11/21 Arnold-CA)(544 1535 1/2 Willis-PA)
- 17820 1930* RCI: EE magazine, into FF (344 1/2 Gheno-PA)(534 1930* 12/14
Dutkowski-BC)(232 *1900 1/9 Grenier-CA)

CHILE

- 6684 0743 CE??? R. Cooperativa: ID noted in passing in RCSSB, bubblegum
rock in EE, SS ad mentioning Santiago, Christmas greetings
(1/25 Hauser-TN) Possible feeder link for Cooperativa net.

CHILE

- 6195 1014 CE619 R. Nacional de Chile: SS nxcst (242 1/7 Jones-MS)
 9520 1158 CE952 R. Centinela del Norte: YL & OM ancrs, ads, tlk, ID @ 1201
 chimes between ads (333 12/31 Earhart-PA)
 9566v 0120 CE956 R. Nacional de Chile: EE tlk on tourism in Chile (422
 12/7 Somers-CA)(Naylor-CA)(Bryan-CA)(Yajko-PA)(Onken-IL)
 (Miklejewski-MN)(Dutkowski-BC)
 9590 2315 CE959 R. Presidente Balmaceda: SS tlk, ID (444 1/5 Pecenka-IN)
 9750 0040 CE975 R. Minería: SS spts event, ID (333 12/12 Breeden-MA)(332
 12/4 0310* Arnold-CA)
 11810 0950 CE1181 R. Nacional de Chile: EE LV de Chile pgm closing @ 0950
 announcing EE sked as 1030, 1150, 1310, 1430, 2030, 2250, 0110
 0210 & 0310. They must be confused by their summer time as
 this on an hour earlier. 2030 xmsn on 15150 was correct tho
 (12/25 Hauser-TN)(323 0406 w/SS 12/20 Dutkowski-BC)
 15150 2304 CE1515 R. Nacional de Chile: interesting EE tlk on Easter Islands
 (242 12/13 Yajko-PA)(353 2200 12/27 Imbert-NM)(233 2315 1/1
 Getzel-NY)

CLANDESTINE

- 13250 2140 R. Euzkadi: SS cmntry, nx, off @ 0200 w/ IDs & hymn (333 12/31
 Zimarowski-MA)

COLOMBIA

- 2580 0932 HJNY R. Pipatón: LA mx, SS OM DJ, many Christmas wishes, ads, ID
 Is 2x 1290 (232 12/26 Bixby-CA)(252 1145 1/6 Jones-MS)
 3100 0501* HJAX R. Super: "Somos HJAX" in s/off 0501 mentioning Bogotá,
 Barranquilla. anthem (232 12/22 Hauser-TN) Harmonic??
 4755 0445 HJKC Emisora Nuevo Mundo: LA pop mx, nx @ 0500 (444 12/28 Macris-
 MO)(Miklejewski-MN)(Beal-WA)(Butterfield-MA)(Schipelliti-MA)
 (Yajko-PA)
 4815 0450 HJSG R. Guatapurí: Colombian pop mx (333 12/17 Beal-WA)(433 0600
 12/27 Gheno-PA)(454 0550 12/26 Imbert-NM)(322 Tannenwald-NY)
 4875 0300 HJ?? R. Super de Cali: pop mx, ads, ID (333, 1/13 Whitehead-MA)
 Apparent relay though no Ecos del Combeima IDs heard.
 4875 0546 HJLW Ecos del Combeima: LA pops w/ chimes between songs (343 1/5
 Novello-NY)(Miklejewski-MN)(Yajko-PA)(Gheno-PA)(Getzel-NY)
 4885 0550 HJIG Ondas del Meta: "por la música, Ondas del Meta" ID, mx
 (333 12/25 Butterfield-MA)(333 0435 12/23 Beal-WA)(323 0940
 12/15 Tannenwald-NY)
 4895 0420 HJOT Brisas del Citará: Colombian pops, YL ID, mentions Chocó
 (433 12/18 Miklejewski-MN)(333 0420 12/13 Jones-MS)
 4925 1047 HJJU Emisora Meridiano 70: SS ID, LA mx (433 12/14 Jones-MS)
 4945 0535 HJDH R. Colosal: SS mx, tlk, OM ID (433 12/27 Hoffman-PA)(Pyatt-
 SC)(Dutkowski-BC)(Cleveland-CA)(Getzel-NY)
 4965 0610 HJAE R. Santa Fé: LA mx, many IDs (333 12/12 Stephenson-CA)(Gheno-
 PA)(Dutkowski-BC)(Yajko-PA)(Novello-NY)(Getzel-NY)(Crews-FL)
 (Junqua-JAPAN)(Cleveland-CA)(Earhart-PA)
 5020 0255 HJCP Ecos del Atrato: Colombian llanos mx, ID, ads & TC @ 0305
 (233 12/18 Miklejewski-MN)
 5035 0400 HJIC LV del Caquetá: Pop mx, ID (343 1/11 Sparks-CA)(222 0505
 w/ mx to 0512* 12/31 Dutkowski-BC)
 5040 0520 HJDE R. Cinco: CARACOL net nxcst, ID (333 12/10 Sapoznikow-MAN)
 5075 0145 HJGC R. Sutatenza: LA mx, SS vocals (434 12/6 Granone-NM)(Gheno-
 PA)(Spencer-OK)(Stuart-MA)(Stephenson-CA)(Grenier-CA)(Lordo-
 SC)(Thompson-NM)(Stone-ONT)(Jones-MS)(Brookwell-CA)(Zink-CA)
 5095 0055 HJGG R. Sutatenza: radionovela, nx (444 12/15 Stone-ONT)(433
 0205 12/23 Bixby-CA)
 5962 0500 HJ?? LV de los Centauros: LA mx, lively DJ, IDs, back here ec-
 6190 (323 12/24 Hall-CA)(Getzel-NY)(Yajko-PA)(Legge-YA)(Ear-
 hart-PA)(Miklejewski-MN)(Beal-WA)(Jones-MS)(Zilmer-WI)(Miller-
 OH)(Sparks-CA)
 6000 0615 HJNX R. Super de Medellín: LA pop mx, IDs (353 12/17 Sparks-CA)
 6065 0700 HJAX R. Super: SS mx, IDs (453 12/27 Imbert-NM)(434 0820 LA mx
 w/ frequent IDs 12/25 Getzel-NY)
 6150 0325 HJJT LV del Huila: pop mx, ID, heavy het (333 1/10 Sparks-CA)(433
 0555 12/28 Getzel-NY)
 6160 1227 HJKJ Emisora Nueva Granada: SS ID, ads, RCN plugs, interval mx
 till 1230 pgm start (443 1/7 Jones-MS)
 9655 1150 HJZK R. Nacional: ID, semi-cl mx (443 12/28 Miklejewski-MN)(444
 1215 12/28 Earhart-PA)(12/12 w/ operatic mx, ex-9682 Hauser-TN)

COLOMBIA (cont.)

- 18345 1410 HJIE LV del Llano: ID 1410, 9:10 TC Is 3x 6115 (12/12 Hauser-TN)
 18569 1412 HJ?? LV de los Centauros: ID, lively mx, Is 3x 6189.6 (12/12 Hauser-TN)
 19860 1626 HJAE R. Santa Fé: ID, TC, Christmas greetings. Is 4x 4965 har, (253 12/18 Hauser-TN)

COSTA RICA

- 4832 0907 TIHB Emisoras R. Reloj: SS IDs, pop mx (454 1/12 Schipelliti-MA) (Macris-MO)(Yajko-PA)(Cleveland-CA)(Crews-FL)(Gheno-PA)
 5954 0430 TIQ R. Casino: EE pgm of pop mx (1/6 Pyatt-SC)
 6006 0750 TIHB Emisoras R. Reloj: LA mx, many IDs (433 1/2 Grenier-CA) (322 0450 12/21 Getzel-NY)(333 1215 1/1 Yajko-PA)
 9645 1205 TIFC Faro del Caribe: rel. tlk by OM, ID, "Impacto" pgm, mx (444 12/28 Miklejewski-MN)(333 1200 1/1 Yajko-PA)
 12012 2323 TIHB Emisoras R. Reloj: 2x 6006, SS OM ID, mx (232 12/24 Bixby-CA)

CUBA

- 9525 0716 RHC: EE anti S. Africa diatribe (424 12/14 Dutkowski-BC)(444 0705 12/15 Crable-ID)
 9655 0000 RHC: SS nxcst, is NF (12/12 Hauser-TN)
 9685 0300 RHC: EE cmntry, Cuban mx (544 12/21 Stone-ONT)(Rafe-NY)(Yajko-PA) (Hoffman-PA)(Thompson-NM)(Abney-SC)(Willis-PA)
 9770 0210 RHC: EE tlk on socialism in Bulgaria (544 12/10 Stone-ONT)(544 0350 12/12 Dutkowski-BC)
 9885 0400 RHC: EE nx summary, LA orch mx (454 12/27 Thompson-NM)
 11760 1000 RHC: SS ID, nxcst (333 12/13 Miller-CA)(433 1500 1/2 Willis-PA)
 11865 0140 RHC: SS nx, letterbox pgm (444 12/21 Dutkowski-BC)(222 1800 12/12 hrd thru DW Canadian relay Brookwell-CA)
 15230 2221 RHC: SS ID, nxcst in SS (444 12/25 Dutkowski-BC)
 15340 1656 RHC: SS IS, ID & tlk (454 12/30 Lentz-PA)
 17850 1718 RHC: SS LA 7 Cuban mx pgm (323 12/14 Dutkowski-BC)
 17885 1915 RHC: FF tlk (333 1/2 Gheno-PA)(443 2119 "Philately in Cuba" pgm 12/19 Batson-KS)(443 2130 1/8 Zilmer-WI)(443 2030 12/19 Miller CA)(524 2130 12/25 Dutkowski-BC)(353 2010 1/6 Schipelliti-MA)
 19050 0525 RHC: 2x 9525 hrd in SS (12/11 Hauser-TN)

DOMINICAN REPUBLIC

- 3205T 1040 HIAU LV de la Libertad: SS vocals, many mentions of Dom. Rep. but TENTATIVE as no ID hrd (233 1/1 Yajko-PA)
 3395 0420 HIAZ R. Santiago: LA mx, ID (222 12/28 Beal-WA)
 4781 0450 HIAQ R. Norte: LA vocals, ID, TC, ads (433 12/23 Zimarowski-MA) (334 1445 12/10 Sapoznikow-MAN)(222 1145 12/19 Tannenwald-NY)
 4807 1145 HIAQ R. Norte: back here after a period on 4781 (232 1/5 Legge-VA) (333 0521 1/5 Crews-FL)(232 1200 12/28 Miller-OH)(322 1129 1/5 Jones-MS)(343 0730 12/26 Sparks-CA)
 4825 0330 HIFA LV de las Fuerzas Armadas: LA pop mx, Christmas mx (444 12/25 Macris-MO)(0330 1/5 Pyatt-SC)(433 *1000 12/14 Jones-MS)(233 1150 12/25 Miklejewski-MN)(322 2315 12/24 Tannenwald-NY)
 4850 0407 HILL R. Clarín: SS ID, OM DJ, mx (343 1/4 Alberts-CA)(Jones-MS) (Uerlings-OR)(Thompson-NM)(Gheno-PA)(Miklejewski-MN)(Macris-MO)
 4882 0655 HIJP R. Comercial: Pop Rock mx, clear ID (433 12/24 Earhart-PA) (222 0553 12/29 Zink-CA)(333 1145 12/25 Tannenwald-NY)
 4985 0844 HI?? R. Neyba: LA mx, OM ancr, mention // MW 1580, badly QRMed by Brazilian (222 1/5 Brookwell-CA) TENTATIVE???
 11700 1715 HILL R. Clarín: SS mx, tlk (233 12/5 Granone-NM)

ECUADOR

- 3260 0325 HCOS4 LV del Rio Carrizal: SS ID, Ecuadorian mx (343 1/8 Young-CA)
 3280 1005 HCVN7 LV del Napo: Andean vocals, QC tlk (233 12/23 Yajko-PA) (433 1000 ad, into slow tempo LA mx 12/26 Bixby-CA)
 3325 0555 HCHA2 Ondas Quevedeñas: SS nxcst, ID (353 12/25 Sparks-CA)
 3375 0507 HCBS3 R. Melodia: lively LA mx, good ID, ads (222 12/28 Baumgartner-ONT)
 3380 1115 HCDY4 R. Iris: mx, TC, SS ID (333 12/25 Tannenwald-NY)(222 0435 12/28 Beal-WA)
 3390 0520 HCOT1 R. Zaracay: SS mx, tlk, ID (323 12/27 Gheno-PA)(Granone-NM) (Tannenwald-NY)(Pyatt-SC)(Schipelliti-MA)(Novello-NY)(Crews-FL)(Miller-OH)(Imbert-NM)(Roberts-MAN)(Cleveland-CA)

ECUADOR (cont.)

- 3985 1150 HCER5 Escuelas Radiofónicas Populares: SS tlk, mx (222 12/31 Breeden-MS)
- 4680 0610 HCWE1 R. Nacional Espejo: SS tlk, mx (332 1/5 Novello-NY)(344 0407 12/18 Naylor-CA)(--1 0530 1/3 Cleveland-CA)
- 4790 0525 HCVP2 Emisoras R. Atalaya: Christmas mx, ID, SS "Jingle Bells" (333 12/25 Butterfield-MA)
- 4795 0220 HCAS4 LV de los Carás: LA pop tunes, SS musical ads, ID (322 12/14 Roberts-MAN)(433 0057 12/11 Baumgartner-ONT)(Jones-MS)
- 4800 0412 HCMB5 R. Popular Independiente: SS pops, Andean vocals, IDs as "R. Popular" (222 12/28 Baumgartner-ONT)
- 4870 1202 HCGM7 R. Rio Amazonas: fqy, TC, ID, children's choir (232 12/8 Miklejewski-MN)(343 *1131 1/5 Jones-MS)(322 12/23 0100 Beal-)
- 4910 *1104 HCMJ1 Emisoras Gran Colombia: NA, "Mr. Sandman" theme mx, ID, WA) nxcst (443 12/15 Jones-MS)
- 4920v 0340 HCRQ1 R. Quito: mx, ads, SS ID (322 12/12 Zink-CA)(222 0430 12/27 Stephenson-CA)(333 0400 12/12 Brookwell-CA)
- 4960 1148 HCSE7 R. Federación: Ecuadorian mx, ID, ad string, Christmas greetings (433 12/22 Miklejewski-MN)
- 5025 0955 HCEV5 R. Splendit: Ecuadorian mx, ID, fqy, tlk (342 1/7 Jones-MS)(333 1134 12/30 ads, incl alka seltzer Miklejewski-MN)
- 5060 0415 HCEH3 R. Nacional Progreso: beautiful Ecuadorian folk mx (434 12/23 Macris-MO)(333 0305 1/10 Grenier-CA)(243 1205 12/29 Miklejewski-MN)(453 1114 1/6 Jones-MS)(232 12/18 Breeden-MS)
- 6095 0555 HCJB: EE rel. pgm (322 12/19 Benjamin-CA)(Dutkowski-BC)(Rafe-NY) (Thompson-NM)(Stone-ONT)(Famularo-NJ)(Willis-PA)
- 6130 0700 HCJB: EE "Call of the Andes" pgm (332 11/29 Arnold-CA)
- 9560 0314 HCJB: EE tlk on child guidance (444 12/14 Bryan-CA)(Dutkowski-BC) (Grenier-CA)(Stone-ONT)(Pecenka-IN)
- 9745 0700 HCJB: EE // 9760 to Europe (454 1/1 Schipelliti-MA)
- 9765 1436 HCJB: SS OM taking phone calls, hvy QRM (333 1/8 Naylor-CA)
- 11745 1403 HCJB: EE radio play, "Christmas as it Happened" (443 12/22 Miller-CA)(222 1725 12/18 Grenier-CA)
- 11790 1700 HCJB: EE "DX Party Line" to Europe (333 12/11 Lordo-SC)(433 1700 12/23 Zilmer-WI)
- 11880 0000 HCJB: PP pgm to Brazil (433 12/11 Lordo-SC)
- 11915 0704 HCJB: EE "Passport", "Call of the Andes" (444 12/4 Smith-FL)
- 11960 2200 HCJB: SS vocals, rel tlks (444 1/5 Thompson-NM)
- 15115 1600 HCJB: EE mx pgm (544 12/26 Willis-PA)(433 1300 12/23 Yajko-PA) (554 2034 12/12 Dutkowski-BC)(353 1600 12/7 Smith-FL)(322 1428 12/10 Miller-CA)
- 15315 1725 HCJB: EE "DX Party Line" (222 12/18 Grenier-CA)

FRENCH GUYANA

- 3385 2201 FR3, Cayenne: FF ID as "Ici Cayenne, bon soir" into nx, FF songs (343 1/8 Brooks-CT)(422 1/6 Oliver-NH)(322 0510* 12/25 Butterfield-MA)(322 0930 12/22 Tannenwald-NY)(3330430 12/25 Sparks-CA)(242 0945 1/12 Schipelliti-MA)(242 1154 12/30 Pecenks-IN) (333 0500* 1/9 Bodell/Hickman-WA)

GALAPAGOS ISLANDS

- 4810 0235 HCVG8 LV de los Galápagos: string of pgm promos, Christmas greetings, into radionovela (323 12/14 Roberts-MAN)(433 1214 12/23 Yajko-PA)(544 0209 12/26 Orr-CO)(333 0135 12/26 Naylor-CA) (433 1215 1/7 Zilmer-WI)(433 0145 12/23 Klontz-CA)

GREENLAND

- 3999 0133 Grønlands Radio: Greenlandic tlk, classical mx (222 1/9 Bodell/Hickman-WA)(222 0130 w/ Danish nx, wx 12/9 Granone-NM)

GRENADA

- 15105 2132 R. Grenada: EE request pgm, many ads (243 1/3 Breeden-MS)(131 2000 12/21 Bixby-CA)(152 2139 12/25 Orr-CO)(322 2037 11/25 Gheno-PA)

GUATEMALA

- 1700 0622 TGX R. Ciro's: presumed here w/ SS nx 2x 850 (12/13 Hauser-TN)
- 2040 0548 TGRX R. Miramundo: SS mx, ditto 0718 check (1/1 Hauser-TN)
- 2360 1200 TGBA R. Maya de Barillas: rel. mx, local mx, tlk // 3325 (242 12/29 Zilmer-WI)(333 1208 1/1 Bixby-CA)

GUATEMALA (cont.)

- 2390 0335 TGDS LV de Atitlán: marimba mx, t1k (322 12/24 Spencer-OK)(Bixby-CA)(Thompson-NM)(Zilmer-WI)(Jones-MS)(Yajko-PA)(Miklejewski-MN)
- 2420 0441 TGMX R. Rumbos: 2x 1210 SS ID, marimba mx (332 1/6 Bixby-CA)
(2420.4 1027 12/25 Hauser-TN)
- 3300 0300 TGNC R. Cultural: EE rel pgm (333 12/29 Rudolph-AL)(333 0115 12/30 Grenier-CA)(453 1132 1/10 Pecenka-IN)(453 12/26 Imbert-NM)
- 3325 0555 TGBA R. Maya de Barillas: SS mx, ID @ 0600, bells for New Year (333 12/31 Crews-FL)(343 0215 12/28 Thompson-NM)(232 0325 1/6 Pecenka-IN)(433 1023 1/1 Bixby-CA)(454 0430 1/1 Sparks-CA)
- 3360 0200 TGVN LV de Nahualá: marimba mx, ID (333 12/24 Klontz-CA)(Orr-CO)
(Breedon-MS)(Thompson-NM)(Yajko-PA)
- 3380 0515 TGCH R. Chortís: Christmas mx, ID (354 12/25 Sparks-CA)(343 0150 1/8 Thompson-NM)(322 0250 12/19 Baumgartner-ONT)
- 4835 1310 TGTZ R. Tesulutlán: LA pop mx, anmts (433 12/27 Macris-MO)
- 6180 0429 TGWB R. Nacional: OM ID, music, ads (433 12/17 Uerlings-OR)(343 2211 12/23 Thompson-NM)(322 0033 12/21 Miller-OH)(434 1245 12/7 Miklejewski-MN)(322 2146 1/3 Breedon-MS)(443 12/29 Brooks-CT)

GUYANA

- 5950 2200* GBS: s/off saying to retune to 90 m.b. (232 12/27 Legge-VA)(232 2204 w/ ads, ID, spts, wx 12/12 Breedon-MS)
- 16454 1613 GBS: nx pgm reviewing progress during 1976 sponsored by Insurance Assoc. of Guyana, IDs. Is 5x 3290 (1/1 Hauser-TN)

HAITI

- 9770 1401 4VEH R. 4VEH: EE rx, wx, ID (344 12/31 Schipelliti-MA)(333 1700 1/2 Rafe-NY)(433 1430 12/25 Stone-ONT)(344 1346 12/28 Pecenka-IN)(343 1330 1/5 Oliver-NH)(333 1300 1/1 Yajko-PA)
- 11835 1500 4VEJ R. 4VEH: YL w/"Music Along the Way" (323 12/25 Onken-IL)(242 1940 1/2 Imbert-NM)(333 1952 12/24 Smith-FL)

HONDURAS

- 4820 1236 HRVC LV Evangélica: SS rel. t1k & mx (353 12/30 Pecenka-IN)(333 0435 12/29 Thompson-NM)(443 1220 12/4 Macris-MO)
- 4920 1200 HRPL3 R. Progreso: mx, Christmas greetings, ads, IDs (333 12/25 Tannenwald-NY)
- 4965 1220 HROX R. Landia: SS ID, TC, ad string (423 12/11 Jones-MS)
- 6015 1220 HR?? R. Swan: marimba mx, fqys, ID (433 12/27 Miller-OH)(442 1145 12/26 Zilmer-WI)(333 1200 1/10 Legge-VA)(353 1235 12/20 Jones-MS)(333 0524 12/26 Earhart-PA)
- 18225 1855 HRMH LV del Junco: 3x 6075 harmonic w/ LA contemps, TC for "una de la tarde" (232 12/24 Bixby-CA)(243 1412 1/2 Hauser-TN)

MARTINIQUE

- 3315 1030 FR3, Fort de France: FF w/ nx, rpts, intvws (433 12/23 Butterfield-MA)(243 0230 12/30 Breedon-MS)(333 1050 12/23 Yajko-PA)(343 0445 12/25 Sparks-CA)(433 1030 12/30 Jones-MS)(322 0127 12/24 Zimarowski-MA)(322 1000 1/10 lontz-CA)(443 1038 1/1 Bixby-CA)(322 1113 12/30 Miller-OH)(322 0008 1/7 Oliver-NH)(333 2215 1/7 Brooks-CT)

MEXICO

- 2390 0050 XEJN R. Huayacocotla: LA & U.S. rock mx, ID "R. Huayacocotla, por el servicio al comunidad" (233 12/28 Miklejewski-MN)
- 5980 0200 XERMX R. México: SS mx, nx pgm (333 12/10 Lordo-SC)(Hall-CA)(Thompson-NM)(Zilmer-WI)(Jones-MS)(Macris-MO)(Dutkowski-BC)
- 6105 0630 XEQM Su Pantera: SS ID, Mexican pop mx (433 12/13 Dutkowski-BC)
- 6115 1950 XEUDS R. Universidad de Sonora: cl mx pgm (322 12/13 Stephenson-CA)(454 2045 12/27 Thompson-NM)(443 2016 12/31 Bixby-CA)
- 9705 0106 XERMX R. México: ID, into mx pgm (443 1/3 Oliver-NH)(Pecenka-IN)(Imbert-NM)(Brookwell-CA)(Stephenson-CA)
- 15175 2115 XEWV LV de América Latina: SS pop mx, ads (332 12/19 Zilmer-WI)
- 15385 2050 XERMX R. México: Christmas mx (444 12/25 Gheno-PA)(Grenier-CA)(Stone-ONT)(Cable-ID)(Spencer-OK)(Stephenson-CA)
- 18315 1822 XEQM Su Pantera: 3x harmonic here w/ música juvenil, many IDs (243 1/4 Hauser-TN)

NICARAGUA

- 2200 0237 YNQ R. La Líder: MOR mx, "La hora Líder" TCs, Is 2x 1100 (344 12/19 Miklejewski-MN)(243 2320 12/17 Hauser-TN)

NICARAGUA

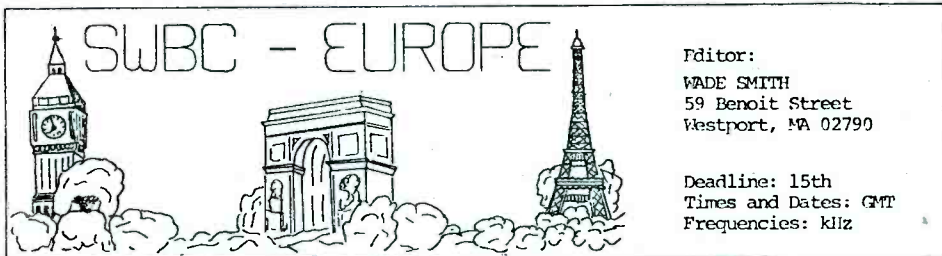
- 5920v 0003 YNN R. Nacional: testing here to 0137* (444 12/29 Legge-VA) 5915/
(454 0200 12/29 on 5925 Thompson-NM)(322 2338 12/30 Brooks-CT)
6121 1245 YNCA R. Atlántico: OM definite ID, mx pgm, fade out @ 1257 due
sunrise @ 1205 (241 1/9 Snyder-CA)

PERU

- 4790 1107 OAX8F R. Atlántida: ID, pop mx (323 12/23 Yajko-PA)(Zimarowski-
MA)(Roberts-MAN)(Macris-MO)(Tannenwald-NY)
4825 0340 OAX8R LV de La Selva: pop inst mx, taps, ID (343 1/5 Pecenska-IN)
4845 0225 OAX1X R. Sullana: TENT, Andean mx (232 12/25 Baumgartner-ONT)
This probably R. Fides, La Paz.
4860 0506 OBZ4Z R. Chinchaycocha: SS Andean mx (--2 1/4 Cleveland-CA)
4975 0418 OCX4H R. del Pacifico: ID, nxcst, TC, 0436* (--2 1/4 Cleveland-
CA)(333 0255 1/2 w/ organ & choir mx Sparks-CA)
5010 0135 OAX4B R. Eco: LA pop mx, ID (322 1/9 Beal-WA)(Cleveland-CA)(Mik-
lewjewski-MN)(Crews-FL)(Pecenska-IN)(Granone-NM)(Gheno-PA)
5025 0624 OAX7Q R. Quillabamba: LA mx, frequent IDs (222 12/23 Brookwell-CA)
5980 0645 OBX4M R. Panamericana: LA mx, ID, ads (333 12/26 Grenier-CA)(433
1045 1/6 Jones-MS)
6045 1104 OCY4H R. Santa Rosa: YL devotionalm qRM RA (322 1/5 Jones-MS)
6082 0306 OAX4Z R. Nacional: nxcst, ID, public health promos (243 12/14
Roberts-MAN)(333 0808 12/25 Getzel-NY)
9505 0125 OAX4V R. América: ID, LA mx (333 12/15 Miller-CA)
9515 1230 OAX4J R. La Crónica: Big band mx, ID (322 1/8 Beal-WA)(332 1124
12/28 sal de andes ad, TCS, ID Miklejewski-MN)
9675 1230 OAZ4L R. del Pacifico: rel. pgm (332 12/24 Zilmer-WI)(333 1213
12/25 Miklejewski-MN)

VENEZUELA

- 3225 1054 YVTC R. Occidente: several IDs, tlk (344 12/31 Yajko-PA)(232
0117 12/22 Bixby-CA)
3245 0430 YVKT R. Libertador: Venezuelan mx, tlk (322 12/24 Zilmer-WI)(322
0100 12/19 Yajko-PA)
3255 1045 YVQL LV de El Tigre: LA mx, anmts, IDs (222 12/18 Tannenwald-NY)
(333 1047 12/23 Yajko-PA)(354 1012 1/12 Schipellitti-MA)
3275 0328 YVMC R. Mara: LA mx, ID (444 12/12 Lentz-PA)(322 0055 12/19 Yajko-
PA)(343 0323 12/18 Miklejewski-MN)(222 0455 12/25 Butterfield-
MA)(353 0505 12/25 Sparks-CA)
3295 1055 YVOG R. Trujillo: ID, LA mx, "Super-r-r potente!"(444 12/15 Jones-
3325 1010 YVRA R. Monagas: ID, ads, SS mx (343 12/23 Yajko-PA)(322 0000 MS)
12/22 Zilmer-WI)(333 0600 12/25 Butterfield-MA)(443 Jones-MS)
3355 0315 YVLC R. Impacto Valencia: baseball game coverage (222 1/5 White-
head-MA)(322 0008 12/22 Zilmer-WI)(444 0320 1/8 Young-CA)
3365 0337 YVQP R. Puerto La Cruz: LA mx, anmt, tlk (222 12/18 Miklejewski-
MN)(322 0015 12/22 Zilmer-WI)(443 1045 1/7 Jones-MS)
3395 0643 YVOJ R. Universidad: LA mx, ID @ 0401* (343 12/12 Lentz-PA)(323
0643 1/1 Gheno-PA)(343 0151 12/17 Roberts-Wasylik-MAN)
4760 1147 YVPP R. Frontera: LA mx, many ads, ID (322 12/29 Miller-OH)
4770 1028 YVNW R. Bolívar: LA mx, musical IDs (322 1/2 Zink-CA)(Macris-MO)
(Tannenwald-NY)(Yajko-PA)(Lentz-PA)(Beal-WA)(Sapozinikow-MAN)
4780 0400 YVLA LV de Carabobo: ads, MOR mx (222 12/17 Arnold-CA)
4800 0252 YVMO R. Lara: OM spins Venezuelan mx (323 12/21 Uerlings-OR)(323
0301 12/11 Orr-CO)(333 2150 12/22 Tannenwald-NY)(Macris-MO)
4810 2210 YVMG R. Popular: pop mx, ID, ads (343 12/5 Macris-MO)(322 0215
12/22 Tannenwald-NY)
4820 0525 YVWJ R. Tricolor: LA contemp mx, IDs (433 12/18 Baumgartner-ONT)
4840 2330 YVOI R. Valera: mx, many TCS, ID (322 12/12 Tannenwald-NY)
4850 0330 YVKX R. Capital: rum & bank ads, MOR mx (242 1/5 Whitehead-MA)
4860 0122 YVQE R. Maracaibo: LA pops, IDs (454 12/19 Macris-MO)(343 0250
w/ baseball game 12/11 Miklejewski-MN)(444 2315 Thompson-MS)
4880 0325 YVMS R. Universo: ID, "R. Universo Musical" (443 12/31 Jones-NM)
4890 0030 YVKB Rdf. Venezuela: Disco mx, ID (322 12/13 Miklejewski-MN)(
Macris-MO)(Granone-NM)(Pecenska-IN)(Alberts-CA)
4900 0235 YVNK R. Juventud: pop mx, IDs (343 12/22 Thompson-NM)(Tannenwald-
NY)(Pecenska-IN)(Macris-MO)(Zink-CA)(Alberts-CA)(Imbert-NM)
4940 0315 YVPA R. Yaracuy: SS ID, U.S. pops (453 1/8 Imbert-NM)(423 2315
1/8 Imbert-NM)
4960 1055 YVOA R. Sucre: ID into Rumbos net nx w/ tone between items
(333 1/8 Beal-WA)(322 2315 12/20 Tannenwald-NY)
4970 0505 YVLR R. Rumbos: LA mx, ID (323 12/31 Gheno-PA)(Stephenson-CA)
(Dutkowski-BC)(Arnold-CA)(Spencer-OK)(Grenier-CA)(Crews-FL)
(Novello-NY)(Getzel-NY)(Imbert-NM)(Cleveland-CA)(Arneson-MO)



Editor:
WADE SMITH
59 Benoit Street
Westport, MA 02790

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

ALBANIA

6185 0135 R. Tirana: EE world news (434 12/13 Worman-WI)
7065 0012 R. Tirana: EE Talk on Russia (444 1/6 Pecenka-IN)(444 12/25
Oliver-NH)(2035 333 12/20 Rogers-ONT)
7120 0310 R. Peking via R. Tirana: EE Peking world news (433 12/20
Willis-PA)
7300 0230 R. Tirana: EE National Commentary (322 12/17 Tuomialho-ONT)
(354 1/2 Reese-KS)(0330 444 1/5 Malone-MA)(0010 343 12/26
Jechenthal-IL)
9480 1830 R. Tirana: EE ID then news (333 12/22 Rojewski-WA)
9500 1750 R. Tirana: EE Talk on Portugal's Communist Party (333 12/27
Gheno-PA)(0657 454 1/1 Lentz-PA)
11755 0100 R. Tirana: EE news & ID (433 12/12 Rojewski-WA)
11985 *1400 R. Tirana: IS, ID, news (333 1/3 Ishizaki-JAPAN)(353 1/10
Brooks-CT)

ANDORRA

6230 0747 World Music Radio via Andorra: Carrier till 0805, then off,
on again @ 0811 with rock music and Dutch announcements
(333 12/26 Young-CA)(tentative 252 12/26 Brooks-ME)--
congratulations to all!!-ed.

AUSTRIA

6015 0429 R. Austria (ORF): IS, EE ID & Frequency given (322 12/17
Bixby-CA)
6155 0130 R. Austria (ORF): EE program (323 12/23 Saxon-NY)
15335 1705 R. Austria (ORF): GG ID into talk program (433 12/7
Stephenson-CA)

AZORES

4865 2030 Emissor Regional Dos Acores: PP music & dramas with identi-
fication each half hour just before TC (534 12/18 Watts-IN)
(333 Young-CA)(434 1/8 Bodell-WA)(343 12/28 Farularo-NJ)
(Butterfield-MA)(222 12/31 Stuart-MA)(434 12/27 Yajko-PA)
(12/30 Hauser-TN)--I believe this to be Portugal due to
signal strength, time checks and the lack of Azores ID but
until this is settled it is going to be listed in both
locations--ed.

BELGIUM

6080 0022 Belgium Radio & Television (ORU): EE Classical music (535
12/29 Watts-IN)(333 12/23 Onken-IL)(444 12/26 Oliver-NH)
(422 12/10 Zilmer-WI)(444 12/21 Earhart-PA)(433 12/23 Yajko-
PA)(434 1/3 Rafe-NY)(323 1/14 Spencer-OK)
11940 1755 RTB/BRT-4 (ORU): EE news (444 1/3 Dulmage-ONT)
21460 1540 RTB/BRT-4 (ORU): FF Songs (343 12/25 Earhart-PA)--Best with
a "buggy whip", Ken!--ed.

BULGARIA

5940 0300 R. Sofia: EE "Spotlight on Sports" (242 11/29 Granone-NM)
6070 0322 R. Moscow via Sofia; EE commentary (12/24 322 Getel-NY)
7115 0444 R. Sofia: EE news & commentary (222 12/17 Uerlings-OR)
(444 12/20 Getel-NY)(12/11 Hauser-TN)
9515 0345 R. Moscow via Plovdiv: SS program to Cuba & Central America
(333 12/12 Brookwell-CA)
9700 2115 R. Sofia: EE ID then music (222 12/16 Miller-MA)(333 12/29
Pecenka-IN)(353 12/30 Earhart-PA)(333 12/18 Yajko-PA)
9705nf 0000 R. Sofia: EE news & comment (332 1/5 Zilmer-WI)

CZECHOSLOVAKIA

5930 0100 R. Prague: EE "Topics of the Day" (322 12/13 Stone-ONT)
(433 12/12 Granone-NM)(2020 353 12/13 Fowler-ONT)
6055 *2130 R. Prague: EE ID, news (322 11/25 Gheno-PA)
7345 0100 R. Prague: EE news (322 12/10 Garner-ONT)
9600 1540 R. Prague: EE news (322 12/13 Uerlings-OR)

CZECHOSLOVAKIA (continued)

11990 1430 R. Prague: EE Christmas program (343 12/25 Earhart-PA)
(1820 352 12/20 Fowler-ONT)(1826 433 12/18 Yajko-PA)
17840 1438 R. Prague: EE talk on U.S. election (343 12/28 Yajko-PA)

DENMARK

15165 1330 R. Denmark: IS, EE/Danish ID then Danish program (444 12/24
Joseph-MO)(1600 434 12/18 Miller-MA)(243 1/1 Pecenka-IN)
(333 12/16 Malone-MA)(333 12/19 Jones-MS)(1246* 343 12/18
Earhart-PA)(353 12/21 Fowler-ONT)

FINLAND

11755 1430 R. Finland: EE "Christmas Tradition" talk program (544
12/24 Tuomialho-ONT)(1335 432 12/31 Earhart-PA)(433 12/27
Yajko-PA)(1920 1/27 Dutkowski-BG)
15110 1330 R. Finland: EE news with QRM from HCJB up 5khz (323 12/24
Joseph-MO)(1430 323 12/28 Saxon-NY)(454 12/7 Fowler-ONT)
(444 12/19 Yajko-PA)

FRANCE

5955nf 2245 R. France International (Paris Calling Africa): EE Boxing
report (433 1/8 Zilmer-WI)
9510 1645 R. France International: EE ID "PCA" news & African music
(333 12/14 Hall-CA)(1742 322 1/2 Zimarowski-MA)
9715 *1704 RFI: "Paris Calling Africa" program // 11890, 11930 (333
1/2 Novello-NY)
11705 1750 RFI (PCA): EE news & sports (353 1/10 Famularo-NJ)(333 12/18
Grenier-CA)(444 12/22 Lordo-SC)(322 12/8 Stephenson-CA)
11890 1715 R. France International: EE African news, ID as "Paris Call-
ing Africa" (323 1/5 UMDX Club-CANADA)
11930 1725 RFI: EE music & commentary (142 1/2 Reese-KS)
15155 1605 RFI: FF talks followed by music (333 12/18 Crable-ID)(433
12/5 Stephenson-CA)
15425 1733 RFI: EE news (433 12/7 Worman-WI)

GERMANY (EAST)

6040 0127 R. Berlin International: SS program, very poor due to
Antigua (211 1/1 Schipelliti-MA)
15170 1815 RBI: EE music on African Service (333 12/18 Yajko-PA)
17880 1430 RBI: EE "Spotlight on Sports" (433 1/10 Brooks-CT)

GERMANY (WEST)

3980 2013 Voice of America via Munich: EE talks & music (232 1/2
Pecenka-IN)(433 12/21 Zilmer-WI)
5900 0540 Deutsche Welle: EE commentary (444 12/31 Woltman-WI)
6010 *0130 DW: EE ID then news (232 1/18 Batson-KS)
6075 0130 Deutsche Welle: EE news (555 1/3 Willis-PA)(343 12/24
Thompson-NM)(555 12/28 Stone-ONT)
6100 0130 Deutsche Welle: EE world news (333 1/11 Malone-MA)
6130 0315 Deutsche Welle: GG news (433 12/18 Willis-PA)
7265 2312 Sudwestfunk: GG pop music with announcements (232 12/27
Bodell-OR)(222 12/20 White-FL)
9705 0515 R. Free Europe via Holzkirchen: Hungarian news commentary
& press review // 7115 (333 12/13 Zimarowski-MA)--Think
this more likely Sines site.--ed.
11795 1625 Fed. Rep. of Germany: Classical music, GG ID (343 12/28
Thompson-NM)(1447 444 12/25 Lentz-PA)

GREECE

9675 1925 Voice of Greece: EE news (434 12/18 Yajko-PA)(444 12/10
Novello-NY)
9760 0019 Voice of Greece: EE news (242 1/3 Pecenka-IN)(332 1/13
Brooks-CT)(333 12/22 Bixby-CA)(1/7 Oliver-NH)(433 12/21
Bryan-CA)
11730 1500 Voice of Greece: IS EE pgm, QRM R. Netherlands (Junqua-
JAPAN)(333 12/29 Yajko-PA)
15345 1220 Voice of Greece: EE "News from Abroad" (454 1/7 Miller-MA)

HUNGARY

5905 2132 R. Budapest: EE news (443 12/21 Fowler-ONT)
6000 0211 R. Budapest: EE ID, news magazine (423 11/11 Gheno-PA)
(343 12/28 Yajko-PA)
6110 *2130 R. Budapest: GG ID then news (444 12/27 Cabos-W. Germany)
7215 0300 R. Budapest: EE news (322 12/17 Tuomialho-ONT)

ITALY
6010 *0100 Radiotelevisione Italizna (RAI): EE news (444 12/26 Joseph-MO)(242 1/1 Pecenka-IN)(333 12/27 Yajko-PA)(333 1/1 Rafe-NY)(434 1/14 Spencer-OK)(232 1/18 Batson-KS)
9575 0100 RAI: EE Commentary (323 1/2 Onken-IL)(533 12/13 Garner-ONT)(433 12/23 Bixby-CA)(522 12/7 Somers-CA)

LUXEMBOURG
6090 0000 R. Luxembourg (Alias Big L): EE 3 minute news, ID, Rock & Roll music (323 12/29 Miller-MA)(433 12/25 Baker-IL)(333 1/14 Joseph-MO)(343 1/4 Pecenka-IN)(333 12/23 Saxon-NY)(422 12/25 Orr-CO)(211 12/19 Bixby-CA)(332 12/21 Earhart-PA)(333 12/27 Novello-NY)(333 1/1 Rafe-NY)(433 1/14 Spencer-OK)

MALTA
6080 2045 R. Mediterran: EE "Malta Calling" s/on with music followed by Maltese history (444 1/8 Dulmage-ONT)(555 1/6 Schipelliti-MA)(422 1/1 Zilmer-WI)(333 1/1 Rafe-NY)
6085 0130 Deutsche Welle via Malta: EE news & music (444 12/26 Woltman-WI)(*2045 GG 545 12/26 Cabos-W. Germany)

MONACO
7105 0734 Trans World Radio: EE "Back to the Bible" program (343 1/8 Miller-MA)(344 12/23 Baker-IL)(433 12/18 Hoffman-PA)(343 1/3 Zimarowski-MA)
7135 0800 TWR: EE "Radio Bible Class" (423 12/26 Grenier-CA)
17850 0022 TWR: SS Religious talk unbelievably strong (12/29 Brookwell)

NETHERLANDS
6165 0230 R. Netherland via Bonaire: EE Dx Juke Box" (444 12/16 Malone-MA)(555 12/16 Willis-PA)(555 12/12 Somer-CA)(544 12/17 Stone-ONT)(545 12/14 Jechenthal-IL)--Please note, this is via Bonaire which belongs in Jim Whitehead's column.--ed.
9715 2133 R. Netherlands: EE news then "Dx Jukebox" // 11730 (423 11/25 Gheno-PA)
15185 1432 R. Netherlands: EE "Happy Station" (433 1/2 Brooks-CT)

NORWAY
9550 2310 R. Norway: EE ID, then Norwegian Christmas program (333 12/25 Baker-IL)
11895 1800 R. Norway: EE "Norway This Week" // 11850 & 15345 (433 12/19 Zilmer-WI)(323 12/19 Grenier-CA)(444 12/12 Rojewski-WA)
15175 1621 R. Norway: Norwegian pgm mixed with local music then EE ID @ 1630 (534 12/17 Miller-MA)(544 12/26 Willis-PA)
15345 1600 R. Norway: EE "Norway This Week" (332 1/2 Onken-IL)(333 1/2 Oliver-NH)

PORTUGAL
4865 2000 Radiodifusao Portuguesa, Lisbon: PP home service until 0100* announcement & program format the same as Lisbon 11925 which now goes off at 1930 instead of 2400 (444 1/13 Legge-VA)(343 12/31 Perry-QUE)(433 1/1 Zimarowski-MA)(443 12/26 Zilmer-WI)
6025 *0230 R. Portugal: EE to America, news & Portuguese music (333 12/14 Malone-MA)(322 12/20 Willis-PA)(333 12/27 Zink-CA)(545 12/27 Woltman-WI)(0520 434 12/25 Getzel-NY)
9615 0914 Adventist World R. via Trans Europe Radio: EE "Voice of Prophecy" (232 12/19 Smith-FL)
9670 2100 AWR via TER: Swedish program (333 12/12 Bryan-CA)
11875 0000 Emissora Nacional de Radiodifusao: Chimes, National anthem, ID & sign-on announcement (454 12/30 Brook-CT)
11935 0509 R. Portugal: EE program giving time as 0430 (12/7 Hauser-TN)
15340 1709 R. Portugal: EE music & comments (322 12/26 Uerlings-OR)
21700 1751 R. Portugal: PP talks on Portugal with 1759 ID & clock chimes (332 1/2 Bixby-CA)

ROMANIA
5990 0146 R. Budapest: EE, Romanian folk music (333 11/30 Fowler-ONT)
9530 1323 R. Budapest: EE music & tourist talk (333 12/26 Yajko-PA)
11940 1305 R. Bucharest: EE news & commentary // 15250 (333 12/18 Young-CA)(233 1/9 Garner-ONT)(332 12/24 Earhart-PA)(353 12/23 Rogers-ONT)(332 12/30 Rafe-NY)
14480 1345 R. Espana Independiente: SS talks with jamming after 1400 (12/19 Hauser-TN)
15250 1300 R. Bucharest: IS, EE ID, then music (342 12/18 Jones-MS)(323 12/31 Yajko-PA)

SPAIN

6065 0300 R. Nacional de Espana: EE "Panorama" (444 12/17 Malone-MA)
(554 12/18 Willis-PA)(333 12/24 Thompson-NM)(0200 323 12/20
Lentz-PA)
9630 2145 RNE: IS, frequencies & schedule (in English?)(12/12 Bryan-CA)
11880 0100 R. Nacional Espana: EE "Panorama" show (433 12/29 Pia-NY)
(433 12/22 Stephenson-CA)

SWEDEN

6045 *0230 R. Sweden: EE news (212 12/23 Lordo-SC)
6065 2115 R. Sweden: EE talk on Vacuum tubes (422 12/26 Oliver-NH)
6120 2228 R. Sweden: EE IS/ID heard to 2230 s/on of R. Moscow (322
1/13 Spencer-OK)
6120 2301 R. Sweden: EE "Sweden Calling DX'ers"// 6045 (334 1/4
Schipelliti-MA)
9545nf *1400 R. Sweden: EE news then "Panorama" to replace 9750 (422
12/31 Zilmer-WI)
11925 *1400 R. Sweden: EE news // 15305 & 9545 (432 12/21 Zilmer-WI)
15305 *1400 R. Sweden: EE rock music & skits (232 12/18 Onken-IL)
(1230 322 12/30 Hoffman-PA)

SWITZERLAND

6045 *0430 Swiss Broadcasting Corp: EE ID, TC, news (333 12/27 Gheno-
PA)(434 12/18 Naylor-CA)(354 12/6 Granone-NM)
6135 *0145 SBC: EE news and commentary (433 1/2 Reece-KS)(333 12/16
Malone-MA)
9725 0145 SBC: EE news // 11715 (433 12/11 Lordo-SC)
11870 *1529 SBC: EE news & commentary (444 12/17 Naylor-CA)
15140 *1315 SBC: EE s/on then news // 3985, 6165, 9535, 11745, 11870,
& 15430 (444 12/19 Yajko-PA)(444 12/29 Hoffman-PA)(333
12/23 Rogers-ONT)
15430 1545 SBC: EE "Dateline" (422 1/7 Hoffman-PA)(432 12/19 Garner-ONT)

UNION OF SOVIET SOCIALIST REPUBLICSBYELORUSSIAN, SSR

6040 1000 R. Moscow via Orsha: Time check, ID, then news (444 12/6
Brookwell-CA)
9650 *0200 R. Moscow via Minsk: IS, SS s/on then news (232 1/2 Watts-IN)
ESTONIAN, SSR
6055 1900 R. Moscow via Tallinn: Swedish newscast (122 12/14 White-FL)
6083 0825 R. Moscow via Tallinn: Finnish program with RR "Macho"
songs (333 12/25 Brookwell-CA)

EUROPEAN SSR & UNDETERMINED SITES

5015 0633 R. Moscow External Service-1st program via Arkhangelsk
(323 1/7 Dutkowski-BC)
5905 0612 R. Moscow: EE music & talk on South American relations
(322 12/10 Zink-CA)
6088.8 2311 R. Moscow: EE to NA, believed to be transmitter fault
(12/16 Hauser-TN)
7205 0050 R. Moscow via Armavir (or Simferopol-ed.): news (545 12/17
Watts-IN)
7215 0030 R. Kiev via ?: EE "Ukrainian Panorama" (444 12/21 Jechenthal)
9720 1250 Radiostansya Atlantica via Ryazan: RR orchestral music //
15455 (433 12/9 Earhart-PA)
12020 1250 Radiostansya Atlantica via Armavir: RR orchestral music //
15455 (343 12/18 Earhart-PA)
15100 0030 R. Kiev: EE news & sports (434 12/13 Millar-CA)
15140 2300 R. Moscow: EE news to W. NA--probably Vladivostok (553
1/17 Batson-KS)
15275t 0650 R. Moscow: RR IS talks to 0658 then 5 note organ IS (12/28
Hardester-OKINAWA)
15455 1630 Radiostantsiya Atlantica: RR talks with ID @ 1630 (555
12/12 Lentz-PA)
17765 1509 R. Moscow via Tula: EE news to Africa (243 12/18 Kaufman)

KAZAKH, SSR

4055 0555 R. Moscow external service via Petropavlovsk: RR talks to
0600 light music (332 12/24 Earhart-PA)--may be first
program service--ed.
15180 *2230 R. Moscow via Petropavlovsk: EE news (544 1/10 Dutkowski)
15455 2230 R. Moscow via Petropavlovsk: EE news (444 12/5 Smith-FL)

LATVIAN, SSR

5935 2123 Latvijas R. via Riga: Piano music with RR announcements
followed by Swedish pgm @ 2130 (444 12/14 White-FL)

UKRAINE, SSR

4920 2055 R. Moscow via Kiev: GG music with ID (222 1/7 Dulmage-ONT)

ITALY
6010 *0100 Radiotelevisione Italizna (RAI): EE news (444 12/26 Joseph-MO)(242 1/1 Pecenka-IN)(333 12/27 Yajko-PA)(333 1/1 Rafe-NY)(434 1/14 Spencer-OK)(232 1/18 Batson-KS)
9575 0100 RAI: EE Commentary (323 1/2 Onken-IL)(533 12/13 Garner-ONT)(433 12/23 Bixby-CA)(522 12/7 Somers-CA)

LUXEMBOURG
6090 0000 R. Luxembourg (Alias Big L): EE 3 minute news, ID, Rock & Roll music (323 12/29 Miller-MA)(433 12/25 Baker-IL)(333 1/14 Joseph-MO)(343 1/4 Pecenka-IN)(333 12/23 Saxon-NY)(422 12/25 Orr-CO)(211 12/19 Bixby-CA)(332 12/21 Earhart-PA)(333 12/27 Novello-NY)(333 1/1 Rafe-NY)(433 1/14 Spencer-OK)

MALTA
6080 2045 R. Mediterran: EE "Malta Calling" s/on with music followed by Maltese history (444 1/8 Dulmage-ONT)(555 1/6 Schipelliti-MA)(422 1/1 Zilmer-WI)(333 1/1 Rafe-NY)
6085 0130 Deutsche Welle via Malta: EE news & music (444 12/26 Woltman-WI)(*2045 GG 545 12/26 Cabos-W. Germany)

MONACO
7105 0734 Trans World Radio: EE "Back to the Bible" program (343 1/8 Miller-MA)(344 12/23 Baker-IL)(433 12/18 Hoffman-PA)(343 1/3 Zimarowski-MA)
7135 0800 TWR: EE "Radio Bible Class" (423 12/26 Grenier-CA)
17850 0022 TWR: SS Religious talk unbelievably strong (12/29 Brookwell)

NETHERLANDS
6165 0230 R. Netherland via Bonaire: EE Dx Juke Box" (444 12/16 Malone-MA)(555 12/16 Willis-PA)(555 12/12 Somer-CA)(544 12/17 Stone-ONT)(545 12/14 Jechenthal-IL)--Please note, this is via Bonaire which belongs in Jim Whitehead's column.--ed.
9715 2133 R. Netherlands: EE news then "Dx Jukebox" // 11730 (423 11/25 Gheno-PA)
15185 1432 R. Netherlands: EE "Happy Station" (433 1/2 Brooks-CT)

NORWAY
9550 2310 R. Norway: EE ID, then Norwegian Christmas program (333 12/25 Baker-IL)
11895 1800 R. Norway: EE "Norway This Week" // 11850 & 15345 (433 12/19 Zilmer-WI)(323 12/19 Grenier-CA)(444 12/12 Rojewski-WA)
15175 1621 R. Norway: Norwegian pgm mixed with local music then EE ID @ 1630 (534 12/17 Miller-MA)(544 12/26 Willis-PA)
15345 1600 R. Norway: EE "Norway This Week" (332 1/2 Onken-IL)(333 1/2 Oliver-NH)

PORTUGAL
4865 2000 Radiodifusao Portuguesa, Lisbon: PP home service until 0100* announcement & program format the same as Lisbon 11925 which now goes off at 1930 instead of 2400 (444 1/13 Legge-VA)(343 12/31 Perry-QUE)(433 1/1 Zimarowski-MA)(443 12/26 Zilmer-WI)
6025 *0230 R. Portugal: EE to America, news & Portuguese music (333 12/14 Malone-MA)(322 12/20 Willis-PA)(333 12/27 Zink-CA)(545 12/27 Woltman-WI)(0520 434 12/25 Getzel-NY)
9615 0914 Adventist World R. via Trans Europe Radio: EE "Voice of Prophecy" (232 12/19 Smith-FL)
9670 2100 AWR via TER: Swedish program (333 12/12 Bryan-CA)
11875 0000 Emissora Nacional de Radiodifusao: Chimes, National anthem, ID & sign-on announcement (454 12/30 Brook-CT)
11935 0509 R. Portugal: EE program giving time as 0430 (12/7 Hauser-TN)
15340 1709 R. Portugal: EE music & comments (322 12/26 Uerlings-OR)
21700 1751 R. Portugal: PP talks on Portugal with 1759 ID & clock chimes (332 1/2 Bixby-CA)

ROMANIA
5990 0146 R. Budapest: EE, Romanian folk music (333 11/30 Fowler-ONT)
9530 1323 R. Budapest: EE music & tourist talk (333 12/26 Yajko-PA)
11940 1305 R. Bucharest: EE news & commentary // 15250 (333 12/18 Young-CA)(233 1/9 Garner-ONT)(332 12/24 Earhart-PA)(353 12/23 Rogers-ONT)(332 12/30 Rafe-NY)
14480 1345 R. Espana Independiente: SS talks with jamming after 1400 (12/19 Hauser-TN)
15250 1300 R. Bucharest: IS, EE ID, then music (342 12/18 Jones-MS)(323 12/31 Yajko-PA)

SPAIN

6065 0300 R. Nacional de Espana: EE "Panorama" (444 12/17 Malone-MA)
(554 12/18 Willis-PA)(333 12/24 Thompson-NM)(0200 323 12/20
Lentz-PA)
9630 2145 RNE: IS, frequencies & schedule (in English?)(12/12 Bryan-CA)
11880 0100 R. Nacional Espana: EE "Panorama" show (433 12/29 Pia-NY)
(433 12/22 Stephenson-CA)

SWEDEN

6045 *0230 R. Sweden: EE news (212 12/23 Lordo-SC)
6065 2115 R. Sweden: EE talk on Vacuum tubes (422 12/26 Oliver-NH)
6120 2228 R. Sweden: EE IS/ID heard to 2230 s/on of R. Moscow (322
1/13 Spencer-OK)
6120 2301 R. Sweden: EE "Sweden Calling DX'ers"// 6045 (334 1/4
Schipelliti-MA)
9545nf *1400 R. Sweden: EE news then "Panorama" to replace 9750 (422
12/31 Zilmer-WI)
11925 *1400 R. Sweden: EE news // 15305 & 9545 (432 12/21 Zilmer-WI)
15305 *1400 R. Sweden: EE rock music & skits (232 12/18 Onken-IL)
(1230 322 12/30 Hoffman-PA)

SWITZERLAND

6045 *0430 Swiss Broadcasting Corp: EE ID, TC, news (333 12/27 Gheno-
PA)(434 12/18 Naylor-CA)(354 12/6 Granone-NM)
6135 *0145 SBC: EE news and commentary (433 1/2 Reece-KS)(333 12/16
Malone-MA)
9725 0145 SBC: EE news // 11715 (433 12/11 Lordo-SC)
11870 *1529 SBC: EE news & commentary (444 12/17 Naylor-CA)
15140 *1315 SBC: EE s/on then news // 3985, 6165, 9535, 11745, 11870,
& 15430 (444 12/19 Yajko-PA)(444 12/29 Hoffman-PA)(333
12/23 Rogers-ONT)
15430 1545 SBC: EE "Dateline" (422 1/7 Hoffman-PA)(432 12/19 Garner-ONT)

UNION OF SOVIET SOCIALIST REPUBLICSBYELORUSSIAN, SSR

6040 1000 R. Moscow via Orsha: Time check, ID, then news (444 12/6
Brookwell-CA)
9650 *0200 R. Moscow via Minsk: IS, SS s/on then news (232 1/2 Watts-IN)

ESTONIAN, SSR

6055 1900 R. Moscow via Tallinn: Swedish newscast (122 12/14 White-FL)
6085 0825 R. Moscow via Tallinn: Finnish program with RR "Macho"
songs (333 12/25 Brookwell-CA)

EUROPEAN SSR & UNDETERMINED SITES

5015 0633 R. Moscow External Service-1st program via Arkhangelsk
(323 1/7 Dutkowski-BC)
5905 0612 R. Moscow: EE music & talk on South American relations
(322 12/10 Zink-CA)
6088.8 2311 R. Moscow: EE to NA, believed to be transmitter fault
(12/16 Hauser-TN)
7205 0050 R. Moscow via Armavir (or Simferopol-ed.): news (545 12/17
Watts-IN)
7215 0030 R. Kiev via ? : EE "Ukrainian Panorama" (444 12/21 Jechenthal)
9720 1250 Radiostansya Atlantica via Ryazan: RR orchestral music //
15455 (433 12/9 Earhart-PA)
12020 1250 Radiostansya Atlantica via Armavir: RR orchestral music //
15455 (343 12/18 Earhart-PA)
15100 0030 R. Kiev: EE news & sports (434 12/13 Millar-CA)
15140 2300 R. Moscow: EE news to W. NA--probably Vladivostok (553
1/17 Batson-KS)
15275t 0650 R. Moscow: RR IS talks to 0658 then 5 note organ IS (12/28
Hardester-OKINAWA)
15455 1630 Radiostantsya Atlantica: RR talks with ID @ 1630 (555
12/12 Lentz-PA)
17765 1509 R. Moscow via Tula: EE news to Africa (243 12/18 Kaufman)

KAZAKH, SSR

4055 0555 R. Moscow external service via Petropavlovsk: RR talks to
0600 light music (332 12/24 Earhart-PA)--may be first
program service--ed.
15180 *2230 R. Moscow via Petropavlovsk: EE news (544 1/10 Dutkowski)
15455 2230 R. Moscow via Petropavlovsk: EE news (444 12/5 Smith-FL)

LATVIAN, SSR

5935 2123 Latvijas R. via Riga: Piano music with RR announcements
followed by Swedish pgm @ 2130 (444 12/14 White-FL)

UKRAINE, SSR

4920 2055 R. Moscow via Kiev: GG music with ID (222 1/7 Dulmage-ONT)

UNION OF SOVIET SOCIALIST REPUBLICS--UKRAINE, SSR (cont'd)

5950 0350 R. Moscow: EE "Moscow Review" (355 12/17 Tuomialho-ONT)
 5940 2325 R. Moscow via Nikolayev: EE "Moscow Review" (332 12/8 Smith-FL)(333 12/13 Stone-ONT)
 6120 2313 R. Moscow via Kiev: EE "Moscow Mailbag" (434 12/26 Orr-CO)
 6175 2143 R. Moscow via Vinnitsh: EE Economic Program (434 12/28 Getzel-NY)
 7355 2220 R. Moscow via Simferopol: EE news (433 1/7 Bethge-MO) (0156 533 12/20 Garner-ONT)
 9735 0519 R. Moscow via Nikolayn: EE music & commentary (322 12/19 Benjamin-CA)

UNITED KINGDOM

5975 0047 BBC: EE talks on multiple sclerosis (444 1/1 Schipelliti-MA)
 6175 0000 BBC: EE "Big Ben rings in New Year" (444 12/31 Malone-MA) (444 12/15 Crable-ID)
 7180 0753 Voice of America via Wooferton: EE West African Service (222 12/9 Brookwell-CA)
 7325 2109 BBC: Bulgarian service (333 1/9 Kaufman-NY)
 9580 0330 BBC: EE commentary on Africa (343 12/23 Abney-SC)(1805 333 1/10 Fumularo-NJ)
 15070 1559 BBC: EE ID, Time Pips then world news (353 12/38 Thompson)

VATICAN

5995 0107 Vatican Radio: EE commentary (454 12/15 Fowler-ONT)(544 12/14 Lentz-PA)
 6015 0100 Vatican Radio: IS, EE ID commentary // 5995 & 9605 (Poor 12127 Hall-CA)(323 12/24 Getzel-NY)
 9645 2033 Vatican Radio: EE talks & music (333 1/1 Yajko-PA)(1700 RR 12/28 Hardester-OKINAWA)(333 12/12 Bryan-CA)
 9775 1335 Vatican Radio: EE news (322 12/20 Rogers-ONT)
 11700 0113 Vatican Radio: EE program notes then IS (433 12/28 Yajko-PA)

YUGOSLAVIA

9620 *2358 R. Belgrad: IS, SS ID (333 12/20 Young-CA)(2204 131 12/21 Bixby-CA)(333 12/28 Yajko-PA)(333 12/26 Bryan-CA)

ANDORRA IS BACK

It is not only back, but being heard on both coasts. Although last October they had an English program on Saturdays, it was not profitable and was dropped in November. The Dutch broadcast on Sundays has survived with broadcasts of pop music beginning around 07:00 on 6230 khz. Even this was temporarily off the air for a time in December due to the lack of advertising. For those of us who are lucky enough to hear what we think is World Music Radio, we will probably not believe it until that QSL arrives.

(The source of the above information was from reports of Al Sizer in NEDS Vols. 26, 27 & 28 and unidentified sources of this publication of The New England DX Society.)

Volume 2 of USSR High Frequency Broadcast Newsletter is now being released. The second issue is just as impressive as the first and at the price of \$3 for 12 issues, it's a good deal.

I'd like to say the space under the masthead last month was left in anticipation of a birth announcement but I can't. In the excitement of Christmas, false labors and the surprise of Alan's masthead, I forgot to allow for the additional space...Well, now I can say that the following space was left for a birth announcement...

 So much to be happy about! So much to be thankful for! SHARON ANNE, 7 pounds 12 ounces and 21 inches, came screaming QRM galor on December 27th at 7:49 p.m. It was a week of "S's" with SPEEDX, Santa, the Stork and beautiful and healthy little Sharon keeping us busy.

Many thanks for the almost seventy reports this month. Good listening to all and to all a good night!

Wade

SWBC DX



AFRICA

Editor:
RALPH FAMULARO
204 Olean Avenue
Jersey City, NJ 07306



FEBASE
Seychelles

Radio Television Kaduna

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

ALGERIA

6145 0900 Radiodiffusion Television Algerienne: AA chants, ID, IS until 0903 s/off (323 12/26 Baker-IL)
9685 2215 RTVA: AA w/ nx past 2300 (522 12/31 Watts-IN) Earhart-PA)
11810T 1302 RTVA: AA OM (nx?), mx interval interrupted by YL tlk (343 12/29

ANGOLA

3375 0100 Radio Nacional de Angola: PP political commentary, ID, Afro singing (444 1/9 Sparks-CA)

ASCENSION ISLAND

6005 0704 BBC Atlantic Relay: EE nx, ID, tlks (343 12/30 Junqua-JAPAN)
7105 *0500 BBC: EE w/ IS, ID, nx (343 1/6 Odhner-PA)(Thompson-NM)(Orr-CO) (Grenier-CA)
9580 2302 BBC: EE nx, comment, DX pgm, mx (545 12/22 Miller-CA)(Bryan-CA)
9600 0804 BBC: EE BBC World Service (??? 12/11 Smith-FL)
11860 1040 BBC: EE w/ old English tunes (242 12/11 Earhart-PA)
24020 1803 BBC: BBCWS heard on 4th harmonic of 6005 w/nx; occasional het. on 4 khz. high side from Reloj CR-24024 (??? Hauser-TN)

BENIN

4870 2040 La Voix de la Revolution Beninoise: FF OM/YL tlks (333 1/7 Dulmage-ONT)(2150 Zilmer-WI)(2240 Beal-WA)(2257 Bixby-CA) (Radtko-CA)(Crews-FL)(0600 Seltzer-MO)(0614 Gheno-PA)

BOTSWANA

4845 *0345 ID by Botswana: EE/Vern w/Cowbell & Animal sounds IS, NA @0359 ID by YL, into tlk, mx (433 12/13 Orr-CO)(322+ *0358 1/13 Butterfield-MA)(434 2207 12/17 Yajko-PA)

CAMEROON

4972.5 2145 Radio Yaounde: FF YL & OM in animated conversation (222 12/20 Miller-OH)(323 2128 12/13 Yajko-PA)(322 12/25 Zilmer-WI)
5010 *0459 Radio Garoua: IS, FF/EE ID, NA into nx by OM (333 1/3 Crews-FL) (in Vern, on as late as 2330, 534 12/25 Butterfield-MA)

CENTRAL AFRICAN REPUBLIC (EMPIRE)

5038 0500 Radiodiffusion Nationale Centrafricaine: FF mx & tlks (353 1/6 Radtko-CA)(Dulmage-CNT)(Yajko-PA)(Brookwell-CA)(Crews-FL) (Uerlings-OR)(Bodell-OR)(Snyder-CA)(Hardester-OKINAWA)

CHAD

4905 0440 Radiodiffusion Nationale Tchadienne: FF mx, many IDs (343 12/16 Seltzer-MO)(433 Bixby-CA)(242 Snyder-CA)(322 Zilmer-WI)(Yajko-PA)

COMORO ISLANDS

3331 0339 France Regions 3, Moroni: U/lang tlk, chant-like local mx, afro and FF vocals, almost directly under CHU (122 12/31 White-FL)

CONGO, PEOPLE'S REPUBLIC OF

3230 0727 Radiodiffusion Television Congolaise: Vern Om tlk (423 Watts-IN)
4765 2145 RTC: EE nx, afro mx into FF @2152 (332 12/30 Miller-OH)(444 12/29 Bixby-CA)(433 Zilmer-WI)(333 Yajko-PA)(252 Bodell/Hickman-WA)
15190 *2130 RTC: Voice of the Revolution pgm to North America w/ nx,comment, OM s/off 2144 (??? 12/4 Onken-IL)

EGYPT

7075 2245 Radio Cairo: U/lang OM/YL tlk (222 12/29 Beal-WA)
9455 0117 R. Cairo: AA mx, ID, nx (322 12/28 Dutkowski-BC)(544 Watts-IN)
9475 0230 R. Cairo: EE ID, nx, AA mx (312 Gheno-PA)(121 Arnold-CA) (in SS 332 12/22 Bixby-CA)(in AA 2117 12/12 444 Bryan-CA)

EGYPT (cont.)

9805 2200 R. Cairo: EE nx, comment, AA mx poor modulation (433 1/7 Hoffman-PA)(444 2232 12/12 Bryan-CA)(433 *2045 w/GG program Cabos-W. GERMANY)
 17625 1445 R. Cairo: AA tlk, chanting mx (342 12/23 Zilmer-WI)
 17920 1441 R. Cairo: EE w/AA mx, nx headlines (243 12/28 Yajko-PA)(Smith-FL)(453 Zilmer-WI)(322 Hoffman-PA)

EQUATORIAL GUINEA

6250 0700 Radio Malabo: SS music w/choir (353 12/25 Radtke-CA)

ETHIOPIA

4905 0310 ETLF: Amharic w/Afro mx & YL tlk; UTE on 4904 was gone (242 12/12 Snyder-CA)(232 0307 Bixby-CA)
 7205 0350 ETLF: EE nx (323 1/13 Joseph-MO)
 11830 1755 ETLF: FF w/strange instr. tune, ID @1758, then into Fulfulde pgm (242 12/21 Hood-MANITOBA)
 11955 2000 ETLF: EE religious pgm (444 12/29 Seltzer-MO)(232 Lentz-PA)(433 *1945 1/13 Butterfield-MA)(322 2028* Orr-CO)
 15190 1530 ETLF: EE w/local mx, program sked (353 1/3 Radtke-CA)(343 1610* w/ Farsi pgm & EE ID Miller-MA)(in AA 242 1520 Cabos-W. GERMANY)

GABON

4777 1728 Radiodiffusion Television Gabonaise: Light Afro mx, vernacular tlk by OM (242 1/8 Bodell/Hickman-WA) in FF by (433 2130 12/25 Zilmer-WI)(444 12/18 Bixby-CA)(333 12/17 Yajko-PA)

GAMBIA

4820 2255 Radio Gambia: EE w/Afro mx, OM annx. Although scheduled 2300* still on at 2340 (222 12/10 Beal-WA)

GHANA

3350 2238 Ghana Broadcasting Corporation, Ejura 1: Vern religious mx (322 12/27 Yajko-PA)(w/nx 545 0625 1/2 Watts-IN)
 3366 0626 GBC 2, Accra: EE OM w/local nx & announcements (311 1/7 Uerlings-OR)(242 2250 12/22 Bodell-OR)(EE at 2300 444 12/24 Seltzer-MO)
 4915 0559 GBC 1, Accra: EE nx (322 12/21 Joseph-MO)(344 0600 12/17 Seltzer-MO)(222 2245 1/4 Beal-WA)(333 2315 12/24 Bixby-CA)
 4980 0412 GBC 2, Ejura: EE YL mx, ad for "Dawson's Womens Clothes" (322 1/8 Zink-CA)(322 Miller-OH)(333 Crews-FL)(322 Beal-WA)(432 Watts-IN)(323 Yajko-PA)(433 Zilmer-WI)
 9545 2032 GBC, Tema: AA to North Africa w/mx (232 1/9 Kaufman-NY)

GUINEA BISSAU

5040 2247 Radio Bissau: U/lang w/ western contemporary mx, OM annrc, 2303* (232 12/23 Bixby-CA)

GUINEA REPUBLIC

4910 0030 Radiodiffusion Nationale: Vern w/Afro mx (333 12/27 Zilmer-WI)(333 2150 12/25 Yajko-PA)
 7125.8 0505 Radiodiffusion Nationale: West African strumming, IDed by // measured to be 4909.75 (??? 12/11 Hauser-TN)

IVORY COAST

4940 0719 Radiodiffusion Television Ivoirienne: FF w/YL interviewing OM much QRN (432 12/24 Earhart-PA)(433 12/22 Baumgartner-ONT)(433 12/18 Yajko-PA)(333 1/8 Dulmage-ONT)
 11920 1900 RTVI: EE w/Afro mx (433 12/23 Yajko-PA)(332 1915 12/21 Bixby-CA)(in FF 454 2101 12/31 Lentz-PA)(423 2140 Uerlings-OR)

KENYA

4915 2215 Voice of Kenya: Vern w/ Afro mx, pop mx, tlk (433 12/25 Zilmer-WI)

LIBERIA

3227 2143 ELWA: Vern tlk, afro mx (333 12/27 Yajko-PA)
 4770 *0700 ELWA: IS, s/on w/ID, EE pgm (433 12/26 Baker-IL)(333 2107 12/28 Yajko-PA)(322 1/1 Gheno-PA)
 6035 0400 VOA Monrovia Relay: EE nx (454 1/8 Imbert-NM)(322 Uerlings-OR)
 7280 0657 VOA Monrovia: EE program (343 12/11 Imbert-NM)
 11945 1945 ELWA: Religious tlk by 2 OM, ID (434 12/31 Lentz-PA)(333 Yajko-PA)(322 Gheno-PA)(343 Schipelliti-MA)(555 Onken-IL)(243 Miller-MA)(443 Joseph-MO)9132 12/10 Reese-KS)
 12050 1759 VOA, Monrovia: PP service to EUR/AFR, again running full power

LIBERIA (cont.)

15445 2001 VOA, Monrovia: EE nx, "Africana" pgm @2014 (343 12/12 Naylor-CA)
(353 1900 1/2 Pecenka-IN)(444 1728 12/12 Lentz-PA)

LIBYA

6185 2130 People's Revolutionary Broadcasting: AA mx. Operates on this frequency to 2300*. The station reported last month on 6180 is RTVM, Morocco, operating *0000-0200* // 9615, moving from 6170 at 0000 (???) 1/9 Legge-VA) Thank for the clarification-rmf (w/"al-Libyah" ID, 333 12/22 Butterfield-MA)

MALAGASY REPUBLIC

11730 2005 Radio Nederland, Talata Relay: EE nx by OM, "His and Hers" pgm, some QSB (433 12/28 Batson-KS)(322 2030 12/4 Arnold-CA)(444 2035 12/19 Grenier-CA)(454 2103 1/2 Imbert-NM)(2000 1/7 Dulmage-ONT)(423 2004 12/21 Uerlings-OR)(455 2030 12/30 Schipelliti-MA)
15185 1700 R. Nederland, Talata: Dutch w/freqs., comment, mx (434 12/31 Miller-CA)(333 1700 16/26 Grenier-CA)(343 1700 Thompson-NM)

MALAWI

3380 2141 Malawi Broadcasting Corporation: EE/Chichewa w/pop mx, ID as "MBC", nx, religious message, s/off annx, anthem at 2209 (352 1/10 Brooks-CT)(333 0310 1/10 Sparks-CA)(522 0320 1/2 Watts-IN)(322 0330 12/28 Butterfield-MA)

MALI

4783 0659 Radiodiffusion du Mali: FF ID, Afro mx // 4827 (545 12/31 Watts-IN)(222 2310 12/10 Beal-WA)(433 2245 12/29 Yajko-PA)(in U/lang 322 2140 12/30 Miller-OH)
4827 0700 R. du Mali: Guitar mx, FF OM // 4783 (343 Sparks-CA)
5995 0732 R. du Mali: FF w/afro mx (433 12/25 Getzel-NY)(433 w/QRN from BBC to Brazil, 12/9 Earhart-PA)(433 2349 12/21 Bixby-CA)
11960 1700 R. du Mali: FF w/local mx & songs (353 12/31 Radtke-CA)

MAURITANIA

4845 0000 Radiodiffusion Nationale Mauritanie: AA chants, anthem & s/off 0003* (333 12/30 Yajko-PA)(222 2350 Beal-WA)(343 2350 1/1 Snyder-CA)(422 2230 12/25 Zilmer-WI)(444 2150 1/1 Famularo-NJ) (323 0742 1/1 Ghen-PA)

MOROCCO

6100 2030 RTVM: AA vocals, YL annx ID @2150 // 6170 fair (353 12/10 Roberts- MANI-TOBA)(423 2230, also // 9615 12/19 Young-CA)(312 2358* 12/28 Watts-IN)
6170 2325 RTVM: AA chants & mx (353 Imbert-NM)(433 2146 1/1 Getzel-NY)(in FF 232 0722 1/2 Pecenka-IN)
7190 0334 VOA, Tangier Relay: EE nx, Jack Atkins with Morning Show (454 12/17 Smith-FL)
9615 2140 Radiodiffusion Television Marocaine: AA w/mx, tlk, ID @2200, nx (252 12/30 Orr-CO)(333 2300 12/26 Bryan-CA)
15360 1449 RTVM: AA w/ fast chants, OM ID, mx (433 1/2 Famularo-NJ)
17705 1932 VOA, Tangier: EE nx, African mx (454 1/2 Pecenka-IN)

MOZAMBIQUE

3210 0400 Radio Mozambique, Phuto: PP w/ nx (333 1/10 Sparks-CA)
4924.5 1647 R. Mozambique: Ma Phuto: PP OM tlk, mx (242 12/18 Bodell-OR)
11829 *1800 Voice of Zimbabwe via R. Mozambique: EE commentary, interview with "Freedom Fighter" (141 12/26 Cabos-W. GERMANY)(in PP W/ annx, local & pop mx (343 1818 12/26 Bodell-OR)

NIGER

5020 0530 Office de Radiodiffusion Television du Niger: FF OM ID, Koran? to 0536 into local mx (333 1/4 Crews-FL)(222 0610 12/17 Beal-WA)(433 0629 12/18 Orr-CO)(323 12/25 Yajko-PA)

NIGERIA

24 3204 0510 Nigerian Broadcasting Corporation: Ibadan; EE Xmas songs, YL



RADIO DIFFUSION DU NIGER

NIGERIA (cont.)

4900NF ---- Announcements (322 12/19 Miller-OH)
 NBC,Katabu?: EE w/nx, wx, ID as "This is the National Service of the N.B.C.", vernacular annx, tlk about African leadership, QRM from R. Juventud, still around at 2210 check.
 This is from the Lagos studios, suspect that the new transmitter sites listed in the '76 WRTH may be in operation (422 12/22 Butterfield-MA)(433 Zilmer-WI)(454 0428 Sparks-CA)(444 Bodell-OR)(333 Crews-FL)(323 Uerlings-OR)(333 Miller-OH)(322 Gheno-PA)(344 Seltzer-MO)(333 Yajko-PA)(344 Joseph-MO)(322 Beal-WA)(322 Bixby-CA)(333 Zimarowski-MA) and (544 Watts-IN)

4932 0450 NBC, Benin: Vern chants, Relay of Lagos EE nx at 0500 & 0600 (232 12/31 Zimarowski-MA)(w/EE nx @2200 232 Baumgartner-ONT)(333 12/26 Watts-IN)

5965 0604 NBC, Lagos: EE nx, ID, sked, Afro mx (322 1/9 Zink-CA)

6025 2110 NBC, Enugu: EE pop mx, EE7Vern ID, TC by YL (253 12/10 Roberts-MANITOBA)(322 2230 in Vern 12/11 Zilmer-WI)

6090 2251 NBC, Kaduna: Hausa/EE w/mx, tlk, drums, ID (222 12/14 Orr-CO)(2108 253 12/10 Roberts-MANITOBA)(322 2205 12/22 Butterfield-MA)(332 2308 12/20 Bixby-CA)

7145 0616 NBC, Lagos: EE announcements, Drum IS, ID @0700 // 4900 (433 1/3 Young-CA)

7275 *0700 Voice of Nigeria: EE nx & mx (444 12/12 Novello-NY)(343 0700 12/23 Baker-IL)(322 0721 12/10 Zink-CA)(343 0653 12/11 Imbert-NM)(545 0700 12/25 Joseph-MO)(322 1900 12/21 Odhner-PA)(434 0756 1/8 Miller-MA)(in FF 343 2020 1/8 Brooks-CT)

RHODESIA

3306 0333 Rhodesian Broadcasting Corporation: EE/Vern w/pop mx, ads, tlk, ID, * nx (322 1/1 Orr-CO)(On 3304 1540 232 Bodell-OR)

3396 2134 REC: EE request pgm w/pop mx to 2200* (232 1/1 Brooks-CT)(434 2115 1/13 Butterfield-MA)

RWANDA

9735 1740 Deutsche Welle Relay, Kigali: EE w/ "Window on the World", ID, nx, into 1745* (322 1740 12/16 Rojewski-WA)

SAO TOME E PRINCIPE

4806.5 2055 Radio Nacional: PP w/ Afro/Latin mx, OM ID @2113, YL annx (333 17/27+ Baumgartner-ONT)(On 4806.8 w/ rock & Afro mx 322 12/23 Zimarowski-MA)

SENEGAL

4890 2146 Radiodiffusion du Senegal: FF OM tlk (322 12/18 Yajko-PA)(322 2110 12/24 Baumgartner-ONT)(433 2200 12/25 Zilmer-WI)(333 2307 12/22+ Bodell-OR)

SEYCHELLES

9510 1558 Far East Broadcasting Association: EE ID, TC into U/lang w/ mx pgm (323 12/31 Uerlings-OR)(EE religious pgm w/QRM from RFI 322 1745 1/2 Zimarowski-MA)(in AA 344 1818 1/7 Roberts-MANITOBA)(443 1837 12/12 Orr-CO)

9525NF 1620 FEBA: EE religious pgm // 11845- replaces 9645 & s/on at 1545 (444 12/30 Junqua-JAPAN)

9695 *0310 FEBA: EE ID, into U/lang w/OM singing (344 12/18 Naylor-CA)

11845 1600 FEBA: EE w/ "Back to the Bible", freq. & time given at s/off 1652* (332 12/31 Zilmer-WI)(332 1/5 Snyder-CA)

SIERRA LEONE

3316 *0600 Sierra Leone Broadcasting Service: IS, ID, local mx, ads (222 1/3 Klontz-CA)(Orr)(Sparks)(Brooks)(Crews)(Bixby)(Uerlings)(Joseph)(Watts)

SOMALIA

9585 2015 Radio Mogadishu: Somali tlk, AA mx (333 1/7 Dulmage-ONT)(Yajko)(Earhart)(Bryan-CA)(Roberts-MANITOBA)

11645.3 1505 R. Hargeisa: Noted w/ mx & Somali tlk het. present & worsening until station was lost @1530 (232 1/1 Hauser-TN) Excellent catch for Eastern N.A. rmf.

SOUTH AFRICA, REPUBLIC OF

3250 0215 SABC: EE w/mx,nx, IDs, Christmas mx (433 1/5 Novello-NY)(Thompson-NM)(Pecenka-IN)

3285 0126 SABC: EE TC, movie ads RTTY QRM (322 12/19 Yajko-PA)

4810 2156 SABC,(Springbok): EE OM reading Xmas story (555 12/25 Watts-IN)
 (Rafe-NY)(Yajko)(Zilmer)(Grenier-CA)(Schpelliti-MA)(Crews)
 4835 1603 SABC: EE OM nx, TC (332 Bixby-CA)(Yajko)(Miller-OH)(Watts-IN)
 4880NF 1608 Radio RSA: Afrikaans nx,mx,1700 ID (Junqua-JAPAN)(Bodell)
 (Miller-OH)(Sparks-CA)(Dulmage-ONT)(Butterfield-MA)
 7270 0300 RSA: EE service to E. Africa (222 12/14 Malone-MA)(433 12/29
 Hoffman-PA)(322 Yajko-PA)(343 12/24 Thompson-NM)
 9585 2230 RSA: EE IS, ID OM nx (433 12/15 Crable-ID)(Miller-CA)(433
 Dutkowski-BC)(344 0355 Worman-WI)(333 Bryan-CA)(423 12/14
 Grenier-CA)(333 Pecenka-IN)(444 Thompson-NM)(423 Gheno-PA)
 11900 2250 RSA: EE pgm w/ "Panorama" (555 12/20 Pia-NY)(354 Willis-PA)
 (353 Imbert-NM)(444 Woltman-WI)(555 Lentz-PA)(433 12/25
 Grenier-CA)(545 Reese-KS)(454 Pecenka-IN)(444 Thompson-NM)
 (433 Gheno-PA)(545 Dutkowski-BC)(444 Saxon-NY)(444 Yajko-PA)
 (333 Crable-ID)(444 Batson-KS)(444 Malone-MA)
 21490 2310 RSA: EE tlk, DX program (222 12/25 Beal-WA)
 21535 1440 RSA: EE economic report 1448* (454 1/10 Brooks-CT)(354 12/5
 Miller-MA) Scott, this report is too old. rmf.

SUDAN

BAUMGARTNER-ONT)

5039 0402 Radio Omdurman: AA Koran, mx, ID into nx, LA QRM (222 12/18

SWAZILAND

3240 0325 Trans World Radio: Afro lang w/gospel songs (343 Sparks-CA)
 4760 1720 TWR: U/lang YL tlk, religious mx (333 Bodell/Hickman-WA)
 4980 0430 Swazi Music Radio: EE ID, pop mx OM/YL annx (333 Crews-FL)
 5055 0459 TWR: EE ID, DX pgm (444 1/8 Young-CA)(333 12/18 Bodell-OR)
 9790a 0200 SMR?: OM tlk, YL "This is Swaziland" (232 12/3 Arnold-CA)
 11955NF 1800 TWR: PP s/on into rel. songs (222 12/15 Brookwell-CA)(??? 1/2
 Legge-VA)(444 Butterfield-MA)
 17775 1933 TWR, Manzini: FF w/ electronic mx theme (354 12/22 Hauser-TN)
 (222 12/24 Brookwell-CA)(343 12/28 Zimarowski-MAO)(??? 1615 to
 1645* in Chinese 1/9 Legge-VA)

TANZANIA

15435 1858 Radio Tanzania: EE instrumental mx, TPs, ID into nx @ 1900 for
 East Africa (252 12/10 White-FL)(232 1927 w/ID, "This is the
 External service of Radio Tanzania" Bixby-CA)

TOGO

3222 2152 Radiodiffusion du Togo: FF OM tlk, ID (343 12/28 Yajko-PA)
 (333 0600 12/25 Sparks-CA)
 5047 0615 R. du Togo: FF tlks (434 12/23 Gheno-PA)(353 Radtke-CA)
 (444 Brookwell-CA)(333 1/3 NO NAME ON LOGGING) (222 Beal-WA)
 (444 Miller-OH)(222 Grenier-CA)(433 1/1 Bixby-CA)

TUNISIA

7275 2217 Radiodiffusion Television Tunisienne: AA mx- 7225 in December
 issue probably Radio Baghdad (545 1/8 Watts-IN)
 9770 1600 RTVT: AA koran chantings & OM tlk (242 Snyder-CA)

UGANDA

9730 2035 Ugandan Broadcasting Corporation: EE w/OM nx about Africa
 (333 12/12 Bryan-CA)(352 Imbert-NM)(354 Roberts-MANITOBA)
 (353 Radtke-CA)(443 Bixby)(333 Schpelliti-MA)
 15325 1800 UBC: EE drum IS, OM anncr, Afro mx, nx (332 12/26 Rafe-NY)
 (322 Novello-NY)(322 1/2 Zimarowski-MA)

ZAIRE

4750 0435 Radio Lubumbashi: FF OM commentary, ID, local pop mx (333 1/3
 Crews-FL)(222 1/2 Baumgartner-ONT)
 15350 2110 R. Lubumbashi: FF Afro mx, (333 1/1 Stuart-MA)(434 Yajko-PA)
 (353 Imbert-NM)(322 Getzel-NY)

ZAMBIA

9580 2010* Radio Zambia: OM nx, ID "The news came to you from the ZBC,
 Lusaka, into choral mx. some QSB (332 12/10 Roberts-MANITOBA)

Thanks to the 70 reporters to the column this month and a special
 welcome to the newcomers, Mark Baker, Ralf Cabos, William Dulmage, Alex Gheno,
 Bill Hood, Martin Imbert, Skip Joseph, Hank Lentz, Jay Novello, Orla Reese,
 Jim Roberts, and Jay Seltzer.

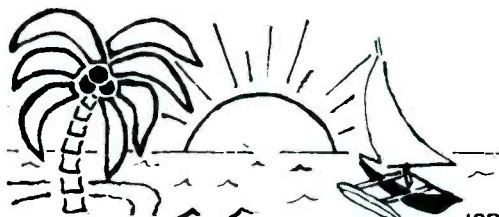
Remember, a good time to hear the Africans on the tropical bands
 is around your local sunset,

until next month,

ASIA-OCEANIA

BOB BODELL - EDITOR
5230 S.E. 48th AVE
PORTLAND, OR 97206

DEADLINE: 15th of the month



ASIA

ISRAEL
BROADCASTING
AUTHORITY

FREQ TIME SIO LOCATION

AFGHANISTAN

4000 0128 322 OR RA: IS, anncmts by OM, Qur'an (Bodell 1/17)

BURMA

4725 1212 242 OH BBS: Burmese tlk, Oriental mx (Miller 12/26)(Pimblett)
5985nf 1520 432 OR BBS: island & class. mx, EE tlk, ex 5040 (Bodell 1/17)
7185 0040 322 OR BBS: Oriental instr. mx, occasional vocals (Bodell 12/29)

CAMBODIA

4907 1504* 333 CA RDC: Khmer tlk, ritual songs (Brookwell 12/12)(Miller OH)

CHINA

2475 1420 232 CA Hangzhou 1: CC tlk by YL, "Internationale" (Naylor 12/24)
2490 1454 343 CA PLA 1: CC w/ opera mx (Naylor 12/15)
2600 1115 222 WA PLA 2: orchestral mx, YL/OM tlk (Beal 12/21)/lings OR)
3220 1303 333 CA Beijing 1: CC w/ loud tlk by OM/YL (Naylor 12/22)(Uer-
3290 1544 212 OR Beijing 2: CC tlk, lang lessons? (Uerlings 12/22)
3310 1305 222 WA Changchun: CC YL chorus w/ patriotic mx (Beal 1/1)
3360mf 1315 232 CA PLA 2: OM/YL w/ CC dialogue, // 3400 (Snyder)(Sparks CA)
3450 1410 322 WA Beijing 1: CC choral mx, (Beal 1/8)(Cleveland CA)
3535 1456 --4 CA PLA 1: CC mx, YL vocal, accordion (Cleveland)(Naylor CA)
4045 1606 333 OR PLA 1: CC w/ YL vocals, tlk (Uerlings 12/22)(Cleveland)
4110 0120 242 CA Wulumqi: Uighur w/ revol. mx, YL/OM tlk (Snyder 12/19)
4130 1450 --2 CA R. Peking: Tamil (BBCMS) w/ tlk by YL (Cleveland 1/6)
4180 1237 222 CA unid site w/ CC mx, "Internationale," // 4920 (Brookwell)
4250 0854 222 CA Beijing 2: CC vocals by YL (Brookwell 1/1)(@ 1455 Cleve.)
4330 1448 --3 CA PLA 1: CC choral mx, // 4045 (Cleveland 1/7)
4380 1020 152 NJ PLA 2: CC (Amoy) tlk by YL, mx (Famularo 12/12)
4460 0831 232 CA Beijing 1: CC tlk by OM (Birby 1/1)(Brookwell CA)
4500 1706 343 WA Wulumqi: CC tlk by YL (Bodell 1/8)
4620 1435 --2 CA RP: Korean (BBCMS) w/ YL vocalist (Cleveland 1/7)
4759 1413 222 CA Kunming 1: excited CC tlk, interlude mx (Brookwell 12/12)
4799.992 1530 444 OKI Beijing 1: CC tlk, // 4904.9, 4914.98 (Hardester 12/18)
4840 0636* 343 CA Ha'erbin: CC tlk, class. mx, // 5950, not 4925 (Snyder)
4849.984 1649 343 OKI Beijing 2: CC tlk by OM/YL, opera mx (Hardester 12/18)
4882.735 1430 333 OKI RP: RR tlk by YL, instr. mx, ID on 1/2 hr (Hardester 12/19)
4905 1504 222 CA Beijing 1: CC mx, covered by Cambodia 'til 1504 (Brook.)
4915 1515 222 CA Nanning: CC songs, "East is Red" (Brookwell 12/12)
4920mf 1200+ 222 CA unid w/ CC tlk by OM/YL, // 4180 (Brookwell 1/3)
4925 *1300 222 CA Ha'erbin? but w/ Viet type lang (Brookwell)(Uerlings OR)
4952 1138 222 CA Xilinhaote: CC tlk, IS, military band (Brookwell 12/12)
4959.974 1610 323 OKI RP (t): JJ w/ occ word of Okinawan dialect (Hardester)
4975 1404 222 CA Fuzhou 1: CC w/ tlk (Brookwell 1/1)
5040 1535 131 CA Fuzhou 1: CC anncmts by YL, IDs, class. mx (Miller 12/22)
5075 1204 222 CA Beijing 2: CC tlk by YL (Brookwell 12/29)(Miller CA)
5089.927 1659 454 OKI RP: EE/CC ID, s/on in Hindi, on SSB (Hardester 12/18)
5145 1503 322 OR RP: RR tlk by YL, IS, ID (Uerlings 12/13)
5170 0854 333 CA PLA 2: CC tlk, accordion mx, fluttery sig. (Brookwell)
5320 0808 333 CA Beijing 1: CC w/ YL nx (Brookwell 12/7)
6225 1404 222 CA Beijing 1: CC prgm, // 6320, 6750 (Brookwell 12/27)
6290 1350 222 CA RP: CC tlk, 1400 into Chaochou (Brookwell 12/27)
6320 2155 --- TN RP: French tlk, not on BBCMS 6520 (Hauser 12/18)
6345 1326 222 CA Beijing 2: CC tlk by OM, QRM SSTV (Brookwell 12/27)

CHINA (continued)

6400	1426	333	CA	PLA 2: Amoy tlk by OM (Brookwell 12/27)
6430	1330	222	CA	RP: CC tlk by YL, Oriental mx (Brookwell 12/27)
6500nf	1329	222	CA	Beijing 1: CC tlk by OM, // 6663 (Brookwell 12/27)
6645	1345	444	CA	Beijing w/ Uighur tlk, IS, 1400 in Kazakh (Naylor 12/17)
6770	1342	444	CA	Beijing 1: CC tlk, "Internationale," // 6840 (Brookwell)
6885nf	1350	222	CA	RP: CC tlk, // 6290 before 1400 (Brookwell 12/27)
6936	1400	---	CA	Kunming 2: CC tlk by YL, weak (Brookwell 12/27)
6955	1330	444	CA	RP: JJ tlk, CC mx (Naylor 12/29)(Brookwell CA)
7080	2010	444	WA	RP: EE ID, "China in Construction" (Rojewski 12/7)
7120	0130	333	MA	RP: EE (Malone) a reminder 7120, 7310, 9500, 9780 are
7130	0927	222	CA	RP: CC w/ Western & CC mx (Brookwell) / via Albania!
7315	2315	522	IN	Beijing 1? CC tlk, mx, // 5880 (Watts 12/31)
7504	1635	333	WA	Beijing 1: CC w/ mixed chorus, YL anncts (Beal 1/8)
7620	1738	333	CA	RP: EE cmtry by OM/YL, 9860 in // (Brookwell 12/5)
7755a	1700	232	CA	RP: EE nx, cmtry, tlk on Mao (Arnold 12/4) / 12/13)
7780	2257*	---	TN	RP: Port. to Brasil, closing anncts, on RGSSB (Hauser
9064	1259	242	CA	RP: CC w/ a different IS (Nebron 12/26)
9390	1300	333	PA	RP: RR?, w/ IS, tlk (Earhart 12/31)(SS @ 1144 Bryan CA)
9440	*0000	243	IN	RP: SS to LA, // 9345, 9820, 9860 (Watts)(Beal WA)
9460	0854	343	FL	RP: EE w/ ID, cmtry, CC mx (Smith 12/18)(Bryan CA)
9470	1322	343	CA	RP: EE cmtry, ID, "In Peoples' Commune" (Naylor 1/7)
9510	0603	322	OR	Beijing 2: CC tlk by YL, NHK QRM (Uerlings 12/13)
9785	0315	353	NM	RP: EE ns, mx (Imbert 1/10)
9810	0154*	423	IN	RP: EE cmtry to NA, "Internationale" (Watts 1/2)
9860	0200	222	ONT	RP: EE nx of Africa & Asia (Stone 1/5)
9940	0004	343	IN	RP: EE nx (Pecenka 1/3)(@ 0100 Hoffman PA)(Rafe NY) (Yajko PA)(@ 0200 Worman WI)(@ 0424 Brookwell)(Miller CA)
9965	0330	444	CA	RP: EE nx, mx, cmtry on world affairs (Arnold)
10865	0100	221	CA	RP: EE nx, traditional mx, cmtry, anthem (Arnold)
11650	0325	333	NM	RP: EE IDs, choral mx, tlk (Thompson)(Naylor)(Dutkowski)
11675	0001	333	FL	RP: EE w/ IS, ID, anth., nx (Crews)(Pecenka IN)(Yajko)
11945	0015	454	KS	RP: EE OM praising Mao & denouncing "Gang of 4" (Batson 12/29)(Stone ONT)(Smith FL)(Crews FL)(Dutkowski BC).....
11980	0100	433	CA	RP: EE cmtry, nx, IS, IDs (Arnold)(SS @ 2300 Miller CA)
12015	0117	222	CA	RP: EE nx of visiting Canadian hockey team (Zink 12/20)
15060	2337	343	CA	RP: CC tlk, "Internationale," 2355* (Naylor 12/27)
15385	2220	333	ONT	RP: CC tlk, musical interludes (Stone 12/12)

CYPRUS

6180	2100	---	TN	BBC Limassol: EE World Svce, // 6195 (Tebrau)(Hauser
15420	1330	433	WI	BBC Limassol: EE w/ short story to Mideast (Zilmer 12/19)



12/14)

DODECANESE ISLANDS

7110	0530	322	FL	VOA Rhodes: AA w/ IS, tlk, pop mx, 0600* (Crews 1/6)
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INDIA

3205	1435	231	CA	AIR Lucknow (t): slo subcont chants, Bandung QRM (Snyder 12/31)
3315	1530	242	CA	AIR Bhopal: EE nx by OM (Sparks 12/30)(@ 1636 Bodell WA)
3375	1640	322	WA	AIR Gauhati: OM w/ chant-like singing (Bodell 1/8)
4820	1648	232	OR	AIR Calcutta: subcont mx, OM singing (Bodell 1/17)
5960	0948	444	CA	AIR Delhi: nasal singing in u/lang, OM tlk (Brookwell)
6085	1310	---	TX	AIR Madras (t): chants w/ subcont mx (Vokes 1/9)
9525	2058	333	PA	AIR Aligarh: EE w/ economic nx (Yajko 1/1)
9575	1304	---	TX	AIR Bombay? w/ subcont chants, no ID (Vokes 1/9)
9705	1300	222	PA	AIR Aligarh: Tibetan nx pgrm (Yajko 12/26)
9912	2215	454	MA	AIR Delhi: EE w/ cmtry on exports, 2230* (Miller 12/16)
11775	1400	322	FL	AIR Aligarh: EE nx, Indian mx (Carrier 1/9)(Pecenka IN)
11810	*1330	332	PA	AIR Aligarh: EE nx, mx (Lentz)(Zilmer)(Perry QUE)

Kashmir

3277	0142	232	CA	R. Srinagar: Indian mx, anncts, also Pak on 3330 (Young 12/19)
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INDONESIA

2331*	1507	232	WA	RRI Jakarta: Indo nx by OM, Pgrm Nasional (Bodell 1/8)
2335	1507	232	WA	RPDK Tasikmalaya: Indo nx by OM (Bodell 1/8)
2339	1529	332	WA	RRI Surakarta: modern instr. mx (Bodell 1/8)
2360	1513	131	WA	RRI Surabaya: Indo mx by OM (Bodell 1/8) Bodell 1/8)
2452	1530	343	WA	RRI Jakarta: Indo anncts, modern Indo mx, Pgrm Kota
2490	1539	222	WA	RRI Semarang: vocals, // 3935?, under PLA (Bodell 1/8)
2503	1548	222	WA	RRI Bandung: Indo vocals, mostly covered by WWV(Bodell)

INDONESIA (continued)

2741	1555	232	WA	unid Indo w/ OM singing, YL annmnts (Bodell 1/8) Yogyakarta
3055	1354	323	WA	RKPKD Sampang: local mx, YL singing, 1400 nx (Bodell 1/8)
3105	1610	344	WA	RRI Brebes: Indo nx?, pop Indo mx, strong! (Bodell 1/8)
3130	1453	323	WA	unid Indo w/ modern Indo mx, annmnts, 1500 gone (Bodell)
3138	1446	333	CA	R. Siaran PDK Cikampek: Indo singing (Young 1/8)
3147	1613	323	WA	unid Indo? w/ Indo like vocals (Bodell 1/8)
3205	1345	222	WA	RRI Bandung? w/ Indo tlk, island mx w/ flutes (Beal 1/8) (Uerlings OR) Gorontalo is new on 3205, Bandung 3204!
3213	1443	333	WA	unid Indo: modern Indo mx, // 3250 @ 1500 nx (Bodell 1/8)
3223	1422	333	WA	RRI Mataram: modern Indo vocals, YL annmnts (Bodell 1/8)
3232	1530	333	CA	RRI Bukittinggi: Indo tlk, Islamic mx, // 4885 (Sparks)
3241	1330	333	WA	RRI Ambon: Indo w/ island mx, steel guitars (Beal 1/8)
3250	1422	322	OR	RRI Banjarmasin: Indo OM w/ nx (Uerlings 1/5) (Beal WA)
3277	1458	--2	CA	RRI Jakarta: Indo w/ local mx (Cleveland 1/3)
3286	1630	323	WA	RRI Madiun: Indo annmnts, local mx, CW QRM (Bodell 1/8)
3369	1643	333	WA	RAUB Medan? w/ YL singing popular Indo songs (Bodell 1/8)
3375	1330	232	WA	RRI Jambi: Indo pops w/ YL vocals, OM tlk (Bodell 1/9)
3381	1645	232	WA	RRI Malang (assumed): Indo tlk by YL (Bodell 1/8)
3385	1440	423	OR	RRI Kupang: YL w/ nx, mx, RRI ID (Uerlings 1/5)
3391	1328	222	WA	RRI Singaraja: YL singing Indo pop mx (Bodell 1/9) 1/6
3395	1520	343	CA	RRI Tanjungkarang: Islamic chants, tlk, ID 1600* (Sparks)
3463	1649	232	WA	RKPKD Pasuruan: YL Indo tlk, gamelan mx (Bodell 1/8)
3541	1420	222	WA	RKPKD Bangkalan: Indo tlk by OM, group vocals (Beal 1/8)
3550	1440	333	CA	RRI Kupang: Indo mx, Jakarta nx @ 1500, 1520* (Sparks)
3762	1440	131	WA	RKPKD Tuban (t): weak w/ pop & local mx (Bodell 1/9)
3975	1435	222	WA	RRI Surabaya: Indo w/ organ mx, OM annmnts (Beal 1/8)
4000	1150	222	WA	RRI Kendari: Indo tlk by OM/XL, Oriental mx (Beal 12/24)
4699	1358	444	WA	RKPIP Surabaya? relay Yogyakarta nx, // 5047, 4600, 1410 ID RRI Surabaya, still // 4600 until 1430 (Bodell 1/9)
4719	1230	322	WI	RRI Ujung Pandang: Indo tlk, show mx (Zilmer) (Thompson)
4764	1449	--3	CA	RRI Medan: Indo w/ US pops (Cleveland 1/3) 26
4767	226	1500	232	OKI unid Indo (t): Indo tlk by OM, vocals (Hardester 12/18-)
4885	1540	343	CA	RRI Bukittinggi: oroh. mx, Islamic chants (Beal 1/8)
4932	1615	333	WA	RRI Surakarta: u/lang tlk, mx, Indo ID (Beal 1/8)
4955	1354	222	CA	RRI Banda Aceh: Indo? w/ instr. mx, ID (Brookwell 1/1)
5970	1058	232	OH	RRI Banjarmasin: C&W mx, IS, 1100 nx (Miller 12/18)
5987	1458	--2	CA	RRI Manado: Indo tlk by OM, NHK QRM (Cleveland 1/5)
7070	1150	222	OR	RRI Jakarta: Indo OM w/ vocal mx (Uerlings 12/20)
7117v	0756	433	CA	RRI Bengkulu: chimes, IS, ID, site, nx, mx (Young 1/3)
9613	1900*	232	MAN	RRI Jayapura: vocal mx, Indo tlk, ID, anth. (UMDX 1/7)
11790	1101	433	CA	V. of Indonesia: EE ID, nx, local mx (Bixby 1/1)

IRAN

9022	2000	222	MO	V. of Iran: IS, then EE nx (Seltzer 12/25) (Nebron CA) (Yajko PA) (@ 0042 in Farsi Pecenka) (2256 Watts IN).....
15084	1725	322	FL	VOI: Farsi cntry by OM, mx (Crews 1/6)

IRAQ

7225	0340	222	CA	"Voice of the Masses" pgrm, varied mx, IS (Brookwell 12/10)
9748v	1930	422	WI	RBI: bird IS, EE ID, USSR on 9745 (Zilmer 12/18) (Miller MA) (Carrier FL) (Joseph MO) (Seltzer) (Rafe) (Getzel NY)...
11700	2200	---	CA	RB (HS): AA mx, OM annmnts, no Clarin (Hall 12/15)

ISRAEL

5882	0445	443	WI	IBA (HS): Hebrew w/ class. mx (Zilmer) (Earhart) (Beal)
5900	2230	434	PA	IBA: EE nx, "Arabs of Israel" pgrm, // 7412, 9435 (Gheno 12/13) (Batson KS) (Hoffman PA) (Willis PA) (Rafe NY)
7374	2000	222	WI	IBA: Hebrew HS w/ jazz mx (Zilmer 12/24)
7412	2230	545	MO	IBA: EE nx, "Calling All Listeners" (Joseph 12/26) (Pimblett ALB) (@ 0500 Lentz PA) (Woltman WI) (Hoffman PA)
7460	2000	433	IN	IBA HS: Hebrew nx, mx (Watts 1/8) (Zilmer WI)
9009	2003	555	IN	IBA: EE nx, // 9495, 9424, 7412 (Watts) (@ 0500 Crews)
9355	2000	443	WI	IBA: Hebrew w/ jazz mx in HS (Zilmer 12/24) (Watts IN)
9425	2000	433	WI	IBA: EE nx from Jewish World to Africa (Zilmer 12/24)
9435	2230	433	WI	IBA: EE "Thank Goodness it's Friday, // 9815 (Zilmer)
9815	*2230	434	IL	IBA: EE nx, Hanukkah Special (Onken 12/17) (Bethge MO) (Thompson NM) (Bryan CA) (Bixby CA) (Yajko PA).....
9830	2230	454	CA	IBA: EE ID, nx (Dawson 12/23)
11655	1214	332	PA	IBA: EE cntry, groups singing (Earhart 12/10)

ISRAEL (continued)

12077 1500 222 WI IBA (HS): Hebrew, tlk, pop mx, ads (Zilmer 1/1)
 15100 1228 433 PA IBA: EE w/ ads, French @ 1230 (Yajko 12/23)
 21625 1400 --- TN IBA: Yiddish on RCSSB, result of using PTP xmtr (Hauser 12/12)

JAPAN

3607 1105 322 WA NHK Hiroshima: JJ tlk by 2 OMs, vocals, // 3970 (Beal 12/24)
 3925 1600 323 OR NSB: EE w/ Christmas carols story (Uerlings)(Cleveland)
 5990 1500 343 KS R. Japan: EE cmtry (Reese)(Carrier FL)(Thompson NM)
 6055 0821 533 BC NSB: JJ tlk (Dutkowski 1/9)(Cleveland CA)
 6155 1330 333 MS FEN: EE w/ ads, pop mx (Jones 12/11)(Dutkowski BC)
 9525 1408 433 CA RJ: Thal tlk by OM, YL, mx (Bryan 12/16)
 9585 1915 322 CA RJ: EE/JJ w/ ID to Europe (Bryan 12/12)(Dutkowski BC)
 9595 1538 222 CA NSB: EE/JJ w/ letters, ads (Miller 12/16)(Bryan CA)
 9605 1900 343 ALB RJ: EE, then into RR (Pimblett)(Naylor CA)(Arnold CA)
 9670 1630 332 CA RJ: EE cmtry, nx, IS, ID, 1430 Bengali (Arnold 12/4)
 11750 0405 333 BC FEN: JJ w/ sports pgrm (Dutkowski 12/4) JJ on FEN?? reb
 11800 2343 332 ME RJ: IS, ID, EE to NA (Brooks 12/27)(Baker IL)(Yajko PA)
 11815 0133 333 BC RJ: EE nx (Dutkowski 12/20)
 11840 2300 232 CA RJ: IS, EE/Viet ID, Viet pgrm (Arnold 12/7)
 11875 2245 212 PA RJ: Chinese pgrm, // 9675, 7140 (Yajko 12/27)
 11960 0800 212 CA RJ: EE w/ ID to Europe (Brookwell 12/21)
 15105 *2200 322 OK RJ: EE ID, nx (Spencer 1/13)(Gheno PA)(Hoffman PA)
 (Pimblett ALB) @ 2312 Getzel NY) @ 0310 Benjamin CA)..
 15195 2258 444 ID RJ: IS, JJ/EE ID, // 15105 (Crale)(Pecenka IN)(Yajko PA)
 15410 *2300 232 CA RJ: Viet pgrm w/ IS, EE/JJ ID (Hall 12/24)
 15420 0220 444 NM RJ: EE w/ Asian nx, sports, IDs, SS @ 0230 (Thompson)
 17880 *0100 121 CA RJ: EE w/ IS, ID, 0115 into JJ (Hall 1/8)(Uerlings OR)

JORDAN

9560 1710 233 PA R. Jordan: EE w/ nx, mx (Yajko 12/12) **NHK**
 Tokyo - Japan

D. P. R. KOREA

2745 1105 222 WA Sinuju: KK tlk, possibly // 2850 or relay (Beal 12/21)
 2850 1330 333 NM KCBS: KK tlk, orch. mx (Thompson 12/24)(Naylor CA)
 3015 0915 222 WA R. P'yongyang: JJ tlk by OM, on SSB (Beal 12/24)
 3320 0802 312 OR RP: KK w/ OM tlk of nx (Uerlings 12/22)(Cleveland CA)
 6290 2330 222 WI KCBS: KK tlk (Zilmer 12/23)
 6540 1338 444 CA RP: JJ w/ OM tlk, choral mx (Brookwell 12/27)
 6600 2249 243 IN RP: KK or CC w/ nx, cmtry, ID (Watts 1/8)(Zilmer WI)
 7203 1000 252 NM RP: EE w/ IS, ID, nx, mx (Imbert 12/31)
 7580 0701 444 CA RP: EE w/ letters from listeners, cmtry (Snyder 12/18)
 9420 2000 322 WI RP: EE nx, cmtry (Zilmer 12/24)(KK @ 1725 Bryan CA) 18)
 9977.216 0348 343 OKI RP: AA tlk, "Huna Pyongyang," mx, s/off (Hardester 12/
 11350 2300 322 WI RP: KK tlk, mx, // 6290, 6600 (Zilmer)(SS @ 0400 Arnold)
 11535 2315 333 NM RP: EE nx, chorus, IDs (Thompson)(Beal WA)(Dutkowski BC)

REP. OF KOREA

3929.840 0700 333 OKI KBC 1: KK w/ Christmas mx in EE, ID for KBC/HLK (Hardester 12/25)
 6135 1720 333 WA Suwon: KK pop mx, OM annmts, 1730 YL nx (Rojewski 12/28)
 6348.009 1430 444 OKI Echo of Hope: KK tlk, mx, ID on 1/4 hr per WRTH (Hardester)
 7150 0633 323 OR R. Korea: JJ w/ YL tlk, classical mx (Uerlings 12/13)
 7180 *0900 212 CA RK: SS s/on, heard thru USSR (Brookwell 12/9)
 9580 1000 544 CA RK: IS, ID, EE nx, cmtry, mx (Miller 12/16) **KBS**
 9600 1630* 544 BC RK: EE nx (Dutkowski 12/27)
 9640 1359 333 CA RK: KK? tlk, IDs (Naylor 12/22)(EE @ 0600 Arnold CA)
 9665 *1800 444 IL RK: EE w/ "Christmas pgrm," mx (Onken 12/25)
 9720 2000 343 CA RK: EE nx, KK mx, YL cmtry (Klontz 12/22)(Pimblett ALB)
 (@ 1800 Somers CA)(Thompson NM)(Bryan CA)(Dutkowski BC)

KUWAIT

9555 *1700 252 IN R. Kuwait: EE rock mx, 1730 nx, wx, 1800 big band mx (Pecenka 12/13)
 9580 1810 232 NY RK: EE pop mx, tlk on local life (Rafe 12/29)(Perry QUE)
 21685 ---- --- VA RK no longer uses this, RN here in AA 1530-1630 (Legge)

LAOS

4669 1423 232 JPN unid w/ nice local mx, Lao? ltk, a few nites only (Junqua 12/20)

MALAYSIA

3915 1550 323 OR BBC Tebrau: EE cmtry (Uerlings)(Cleveland CA)(Beal WA)
 4985.096 1630 353 OKI R. Malaysia Penang: vern tlk, mx, anth., off (Hardester)
 9740 1500 433 NM BBC Tebrau: EE mx, cmtry (Granone)(Bryan CA)

MALAYSIA (continued)

11750 0910 333 CA BBC Tebrau: EE tlk (Miller 12/13)
17880 *0000 251 NM BBC Tebrau: EE nx in World Svce (Imbert 12/28)(Arnold CA)

WORLD SERVICE

For Eastern Relay

MALDIVES

4740 1714 232 WA R. Maldives: choral mx, EE relig. tlk in Bishop S.
McDowell Shelton prgm (Bodell/Hickman 1/8).....

MONGOLIA

4950.410 1400 444 OKI UBR: CC to 1415, Mong 1415-1500, then RR (Hardester 12/
5053 0040 232 OR UBR: YL in Mong, orch./Oriental mx, 0100 nx (Bodell 12/
29+)(0754 OM w/ CC, pause then 0800 Mongolian, w/ tlk
instr. mx Uerlings 12/23)(Young 12/19)(Brookwell 12/29) 25)

NEPAL

3425 1452 --1 CA R. Nepal: vernacular w/ local mx (Cleveland 1/4)

OMAN

11890 0210 353 CA OBS: Qur'an, annmcs by YL, AA tlk, mx, 7 chimes @ 0300 (Sparks 12/18)

PAKISTAN

3330 0140 333 CA PBC Peshawar: Mideast mx, YL w/ nx 0200 in u/lang
4736 1712 332 WA PBC Islamabad: EE nx of Pak. by OM (Bodell/Hickman 1/8)
4935.360 1143 344 OKI PBC: Urdu w/ prayer, 1248* (Hardester)(Junqua)(Miller OH)
6210 2139 322 NJ R. Pakistan: EE tlk, under ute (Famularo 1/1) Karachi
9460 2115 523 MA RP Karachi: EE tlk, cmtry Miller 12/31)(@ 1325 Zilmer)
11885 0340 252 OR RP Karachi? w/ EE nx, ID, into Gujarati prgm (Orr 12/29)
17830 0227 333v CA RP Islamabad: EE w/ IS, nx, etc. to past 0430 (Bixby
12/24)
12/17)

PHILIPPINES

3285.716 1410 333 OKI PBS: EE w/ 50s mx, ads, ID "PBS Radio One" (Hardester
7225 1315 333 NM FEBC: JJ tlk, piano mx, choral mx (Thompson 12/28)
9530 1413 433 CA VOA Poro: OM tlk in Oriental lang (Bryan 12/16)
9545 2245 544 NM VOA Poro: EE mx, tlk on agriculture (Granone)
9555 1430 444 CA VOA Tinang: CC w/ OM tlk, brief mx (Bryan 12/16)
9580 1510 534 CA VOP: Philippine mx, ID, mailbag (Miller)(Bryan)(Cleve.)
11850 1700 222 CA FEBC: RR relig. prgm, ID, 1800*, DW QRM (Brookwell 12/22)
11865 1430 222 CA FEBC: CC tlk by OM, after Cuba fades (Brookwell 12/24)
11875 0000 232 CA R. Veritas: Asian lang, EE ID, CC? prgm (Hall 12/26)
15440 2336 343 PA FEBC: EE w/ nx (Yajko 12/22)(Orr CO)(Thompson NM)
17810 2336 454 PA FEBC: w/ ID, nx, cmtry, mx (Miller 12/22)



QATAR

9570 1515 322 WA QBS: AA tlk, mx (Beal 12/23)



RYUKYU ISLANDS

7165 1415 323 OK VOA Oklanwa: EE tlk (Spencer)(Imbert NM)(Miller OH)

SABAH

4970 1540 222 WA R. Malaysia Sabah: EE w/ class mx (Beal 12/22)(Cleve.)

SARAWAK

3384.979 1300 242 OKI RMS Miri: u/lang tlk, mx, ID, 6 pips (Hardester 1/1)
4894.896 1450 322 OKI RMS Kuching: vern. tlk, mx, anthem, 1456* (Hardester)
4950 1155 242 FL RMS Kuching: EE w/ lite mx, tlk, TPs, 1200 nx (White
1/3)(Orr CO)(Brookwell CA)(Beal WA)(Cleveland CA).....
5030 1606 343 JPN RMS Kuching: EE church svce, // 4950, ID, 1630* (Junqua
12/24)

SA'UDI ARABIA

6130 2012 253 MAN BSKSA: AA nx "...Al-Arabiyyah As-Saudiyyah..." ID (UMDX
9670 1005 433 CA BSKSA: AA w/ chants, IS (Miller 12/25)(Dutkowski BC)
9730 1920 544 IN BSKSA: AA mx, annmcs, nx (Watts 12/26)(Miller OH)

SINGAPORE

5052 1600* 422 CA RS: EE w/ modern mx, tlk (Klontz 12/23)(Hall CA)(White
9635 1750+ 444 OR RS: EE here & on late for election results, interviews
also in CC, Malay, Tamil, // 5052, 6000, 6155, 7170,
to past 1900, not on 5010, 11940 (Bodell 12/22).....
11940 1030 332 CA RS: EE w/ pips, TC, ID, nx, // 5052 (Bixby 1/1)

SRI LANKA

3395 1448 --2 CA SLBC 1: Sinhala w/ local mx, below ute (Cleveland 1/4)
 4870 1618 332 JPN SLBC 2: Sinhala w/ local mx, 1630 pips, 1700 ID (Junqua)
 4902 1210 222 CA SLBC 1 (t): Sinhala? tlk (Brookwell 12/7) 12/23)
 4940 1707 433 JPN SLBC 2: EE nx, oldies, ads, ID, annmets, 1730* (Junqua
 9720 0115 322 MO SLBC: EE relig. pgm, IDs, TC (Seltzer) (@ 1715 Bryan CA)
 (Brookwell CA) (@ 0130 Bixby CA) (Hall CA).....
 15425 1350 --- TN SLBC: Adrian Peterson's "Radio Monitors International"
 co channel QRM, IBA IS, jamming began @ 1400 (Hauser
 1/2)
 12/18)

TAIWAN

9575.02 0225 444 OKI VOFC: u/lang tlk, instr./vocal Christmas mx (Hardester
 9685 1745 333 CA VOFC: Asian mx, EE cntry, IDs (Hall 12/14) (Dutkowski BC)
 15230L 2350 554 BC BCC: EE/CC language lessons (Dutkowski 1/1)
 15270 0000 444 BC VOFC: CC language lessons (Dutkowski 12/25)
 15345 0300 322 CA VOFC: EE nx, ID (Zink 1/3) (Miller CA) (Beal WA)
 15425 0155 353 NM VOFC: EE IDs, CC mx w/ vocals, piano (Thompson 12/27)
 17890 0105 433 OR VOFC: EE nx by OM, // 15425 (Uerlings 12/30) (Bixby CA)

THAILAND

9655 0955 433 CA R. Thailand: Thai? local mx, EE ID, freq (Bixby 1/1)

THE VOICE OF TURKEY

TURKEY

9515 & *2200 433 MO VOT: IS, EE mx, 2230 "DX Corner" (Seltzer) (Gheno PA)
 11880 (Bryan CA) (Hall CA) (Dutkowski BC) (Yajko PA) (Uerlings OR)

U. S. S. R. (Asiatic and unknown sites)

3945 1712 433 WA unid RR w/ opera, // 3975, 3990, spur? (Bodell 1/8)
 3995 1120 322 WA Nikolayevsk w/ u/lang tlk, orch. mx (Beal 12/16)
 4040 1237 222 CA Vladivostok: RR w/ songs (Brookwell 1/2) (Bixby CA)
 4695 1026 332 JPN unid RR w/ Mayak IS, nx, mx, 1054*, //s (Junqua 12/24)
 4860a 0700 454 CA unid RR w/ mx, annmets, unid IS, to past 0900 (Hall 1/3)
 4920 0910 433 WA R. Moscow via Yakutsk: EE w/ class. mx (Beal 12/22)
 4940 1447 222 CA Yakutsk w/ TC, ID @ 1500, OM/XL tlk (Brookwell 1/4)
 5015 1245 222 ONT Vladivostok: RR w/ class. mx, ID (Baumgartner 12/12)
 (Earhart PA) (@ 0630 Bixby CA) (@ 1730 Pimblett ALB).....
 5050 0700 222 CA Vlad. or PK w/ Vlad, organ IS, relay? (Brookwell 12/12)
 5910 0043 333 IN R. St. Tikhv Ocean: RR tlk, ID, soft mx (Watts 12/31)
 6045 2130 444 WI RM: EE w/ cntry, "School of the Air," RR (Woltman 12/21)
 6050 0830 222 CA Nikolayevsk: JJ tlk, IS (Brookwell 12/14)
 6100 1000 333 CA RM via Nikolayevsk? w/ JJ pgm, ID, TC, IS (Brookwell)
 6115 0030 432 IN RM: SS prng to Cuba (Watts 12/21) (Brookwell)
 6165 1046 333 CA RM via Khabarovsk? w/ CC tlk, Oriental mx, // 6145
 7130 0322 333 WA R. Yerevan via Vlad, w/ EE ID, nx, freqs (Rojewski)
 7180 0822 222 CA Blagoveschensk? w/ Mayak pgm, // 7200 (Brookwell 12/9)
 7200 0030 222 CA Yakutsk w/ IS, RM IS, covered by Vlad @ 0604* (Brook.)
 7220 0030 222 CA Irkutsk: Peace & Prog. CC ID, 6 note IS (Brookwell)
 7260 0945 222 CA unid (UBR?) w/ Asian lang, FF pops, RM IS (Brookwell)
 7355 1042 433 ME RM: EE "Broadc. of Public Opinion" (Hutchins 12/29)
 9450 1730 433 CA Nikolayevsk w/ Mayak pgm, IS, ID, RR tlk (Bryan 12/12)
 9470 1330* 333 PA Novosibirsk? w/ orchestral mx, IS (Earhart 12/31)
 9490 1738 433 CA Nikolayevsk: RR w/ classical mx (Bryan 12/12)
 9550 1448 433 CA Irkutsk: RR pop mx (Bryan 12/31)
 9580 *2000 121 IN Petro. Kam. w/ Mayak pgm (Watts) (EE @ 0530 Imbert NM)
 9665 1230 333 WI Peace & Prog. w/ EE cntry (Woltman 12/17)
 9780 1824 444 CA Petropavlosk Kamchatskiy: RR classical mx (Bryan 12/14)
 11600 2334 --- TN Mayak feeder for PE w/ lite mx on RCSSB (Hauser 12/11)
 11690 *2330 555 IN R. Rodina: RR pgm (Watts 12/13)
 11730 1443 343 CA Peace & Prog. via Vlad/ w/ EE tlk, ID (Naylor 12/27)
 11940 0953 --- TN RM to Aust/NZ, seems to repeat NA NA Svce (Hauser 12/25)
 11990 *0230 252 IN Vladivostok: Mayak pgm, ID (Watts 12/17) (Naylor CA)
 12050 0030 454 NM RM via Petro. Kam. w/ EE mailbag (Imbert 12/15)
 15100 0000 444 CA RM, Kiev, Vilnius, etc. via ? (Naylor 12/19) (Miller CA)

Kazakh S. S. R.

4010 2331 232 JPN RM via Frunze: RR? nx, opera, // 4050, ute QRM (Junqua
 1/4)

Kirghiz S. S. R.

5035 0215 242 CA Peace & Prog. via Alma Ata: CC tlk, class. mx (Snyder
 12/19)

Tadzhik S. S. R.
 4635 0100 232 CA Dushabe: RR tlk, IS? (Nebron 12/30)Bixby CA)(Beal WA @ 0245)

Uzbek S. S. R.
 6025 1200 333 PA R. Tashkent: EE pgrm (Hoffman)(Earhart PA)(@ 1400 Imbert)
 9545 1400 343 CT RT: EE nx, cmtry, Uzbek mx, // 9600 (Brooks 1/10)
 9600 1200 322 PA RT: EE w/ NYs celebration (Gheno 1/2)(Pecenka)(Jones MS)

VIETNAM

Hanoi=Home Service VOV=External Service

4104.880 1330 343 OKI Hanoi? w/ VV tlk, mx, mentions Viet./Hanoi (Hardester)
 4696 1320 333 JPN Quang Ninh Prov. St. w/ VV speech, 1326* (Junqua 12/16)
 4943.596 1600 343 OKI Hanoi 1: VV tlk, mx, past sked s/off, pips for 11 sec.,
 ex 4932, // 3999, 6445, 7373, 10060 (Hardester)(Junqua)
 4993 1458 --2 CA Hanoi 2: YL w/ VV tlk, local mx (Cleveland 1/4)
 7373 1230 342 WI Hanoi 1: VV tlk, mx 2/ chorus, // 10060 (Zilmer 12/19)
 7414.4 0054 433 CA Hanoi 2: VV mx, tlk, 0100* (Young 12/19)(@ 1000 Snyder)
 7470 1300 332 WI V. of Vietnam: French tlk, // 10040, 12035 (Zilmer 12/19)
 7512 1300 342 WI VOV: Cantonese tlk, VV mx (Zilmer 12/19)
 9842 1130 332 FL VOV: VR tlk, ID (White 12/23)(Indo @ 1230 Zilmer WI)
 10040.276 0300 454 OKI VOV: RR tlk, VV mx, IDs (Hardester 12/18)(Fren @ 1317
 Yajko PA)(@ 2330 Klontz CA)(Malay @ 0024-Bryan CA).....
 10060 1522 444 CA Hanoi 1: VV tlk, mx, cmtry (Miller 12/24)
 12033.488 0135 454 OKI VOV: French, then 0200 Span., VV mx (Hardester 12/23)

P. D. R. YEMEN

Democratic Yemen Broadcasting Service - Aden

7190 1940 343 MAN DYBS: AA w/ mx, anncmts, 2015 ID, nx? (UMDX 1/7)
 11770 1850 322 ONT DYBS: AA vocals, "...Aden..." ID @ 1900 (Baumgartner)

YEMEN ARAB REPUBLIC

4852.6 1455 221 CA R. Sana': AA w/ Qur'an (Snyder 12/31) der 12/31
 7265 1520 332 CA RS: Qur'an, AA tlk, under various Asians, // 9780 (Sny-
 9780 1830 --- TN RS: AA w/ ID @ 1831, march mx, nx, "Western" mx (Hauser
 12/12)(Orr CO)(Klontz CA @ 1600)(Yajko PA)(Crews FL)....

OCEANIA

Radio Australia

AUSTRALIA

4920 1301* 222 ONT ABC Brisbane: EE nx, ID, TC, anthem (Baumgartner 12/17)
 5995 0859 323 PA RA (L): EE ID, TC, nx (Gheno 1/2)(Imbert NM)(Miller CA)
 6045 0820 142 KS RA (L): mx, Aussie nx (Reese)Brooks CT)(Bethge MO)
 6090 0800 433 WA ABC Sydney: EE ID, nx, gardening (Rojewski 12/26)
 6140 1025 343 PA ABC Perth: EE w/ stock market report (Yajko 12/23)
 6150 1010 333 ME ABC Melbourne: EE plano mx, jazz (Hutchins 1/7)
 7220 1200 333 CA RA (S): EE ID, time signal, nx (Miller 12/31)
 7240 1131 555 MA RA (C): EE nx, TC, ID (Schipelliti)(Yajko PA) 555!
 9515 0740 555 MO RA (S): EE "Mailbag" (Joseph 12/26)(Arnold CA)(Smith FL)
 9540 1930 332 WI RA (S): EE "Mailbag" (Zilmer 12/25)(Somers CA)(Yajko PA)
 9570 0830 433 CA RA (S): "DXers Calling" (Arnold)(Schipelliti) (Hauser)
 9575ul 1456 --- TN RA: "Club Forum" annx Mailbag to NA resked to 1240 Suns
 9580 1300* 434 PA RA (S): pop mx, freqs (Lentz 1/2)(Willis PA)(Pecenka IN)
 9610 1348 333 IN ABC Perth: EE w/ horse race (Pecenka)(Yajko)(Bryan CA)
 9760 1040 333 CA RA (S): JJ pgrm w/ EE ID (Miller 12/27)(Dutkowski BC)
 11705 0830 332 FL RA (S): EE ID, Aust. nx, pop mx (Smith 12/4)
 11740 0610 232 OR RA (S): ID, nx, cmtry, // 11845 (Uerlings)(Zilmer WI)
 11780 0506 333 BC RA (S): EE nx, mx (Dutkowski 12/30)
 11810 *2100 322 PA RA (S): EE anncmts, nx (Yajko 12/25)
 11825 1028 343 PA RA (S): EE/CC w/ IS, ID, annx // 9560 (Earhart 12/11)
 15140 0100 544 BC RA (S): EE w/ world nx (Dutkowski 1/11)
 15160 0630 242 PA RA (L): EE w/ Australian nx (Yajko 12/29)(Dutkowski BC)
 15190 0041 433 BC RA (C): EE w/ classical mx (Dutkowski 1/11)
 15230 0200 222 CA RA: EE w/ "Music of Australia" (Arnold)(Dutkowski) ul.
 15240 0303 333 MA RA (L): EE nx,mx, ID, Pacific Is. Svc (Arold)(Dutkowski)
 15290 0426 322 CA RA (S): EE mx, // 15320 (Benjamin 12/19)
 15320 0245 211 OK RA (S): EE w/ mx (Spencer 1/15)(Benjamin CA)(Pecenka IN)
 15425 2335 242 PA ABC Perth: EE w/ nx, wx, mx (Yajko 12/25)
 17795 0120 433 IL RA (S): EE nx, mx (Breitung 12/27)(Uerlings OR)(Brook.)

COOK ISLANDS

5045 0630+ 343 CA RCI: carrier only, mx came thru by 0645, 0700 variety/
 comedy show in relay of RNZ (Sparks 12/9)(Young CA
 @ 0722 12/24)

NEW CALEDONIA

7170 1105* 333 PA R. Noumea: French w/ pop mx, anthem (Earhart)(Orr CO)
11710 0617 333 PA RN: Fren. w/ classical mx, tlk, // 7170 (Yajko 12/29)

NEW HEBRIDES

3945.4 1240 232 CA NHBS: Fren. on late for NYs (Snyder 12/31)(Nebron CA)
(@ 0852 Junqua JPN)

NEW ZEALAND

11705 0455 322 FL RNZ: EE w/ IS, ID, mx (Crews 1/6)(Yajko PA)(Naylor CA)
11780 0657 253 KS RNZ: EE w/ big band mx, nx (Reese 1/2)(Miller CA)(Zilmer)
11960 1830 444 WA RNZ: Nat. Pgrm ID, nx, wx, sprts (Rojewski)(Hall CA)
15130 0000 232 WI RNZ: EE w/ sprts cmtry (Zilmer 12/31)(Uerlings OR)

PAPUA NEW GUINEA

2340 1145 222 WA R. W. New Britain: pop vocals, OM annomts (Bodell 1/9)
2376 1153 --- TX R. Chimu: island mx, surprising signal (Vokes 1/9)
2410 1156 --- TX R. E. Highlands: island mx, pips, nx? (Vokes 1/9)
2428 1158 --- TX R. New Ireland: nice choral mx, Ute QRM (Vokes 1/9)
2468 1245 232 VA R. N. Highlands: island mx, now 1301* (Legge 1/12)(Vokes)
3220 1355 222 WA R. Morobe: C&W mx, u/lang vocals (Beal 1/8) on late?
3245 1215 --- TX R. Gulf Dist. w/ rock mx (Vokes 1/9)
3260 1241 242 OH R. Madang: Pidgin tlk, local group w/ C&W mx (Miller 1/2)
3275 0950 343 CA R. S. Highlands: US pop & island mx (Sparks)(Vokes TX)
3322 1150 252 MA R. Bougainville: Pidgin/EE w/ tlk, island, C&W mx, 1300*
(Schipellitit)(Baumgartner)(Miller OH)(Nebron)(Beal WA)...
3335 0807 312 OR R. E. Sepik: EE nx, NBC ID, vocals (Uerlings 12/22)relay?
3360 1248 322 ONT R. Milne Bay: Pidgin tlk (Baumgartner)(Snyder CA)(Vokes)
3385 1008 333 CA R. E. New Britain: Pidgin tlk (Bixby)(Baumgartner.)(Sparks)
3905 1225 322 OH R. Manus: Pidgin w/ C&W mx, local chorus (Miller 1/9)
4890 1400* 544 MO NBC: EE ID, anth. (Seltzer)(Joseph MO)(Onken IL)(Miller MA)(Lentz PA)(Carrier FL)(Hoffman PA)(Brooks CT)14 total!
AN EXCELLENT PNG MONTH!....reb.

SOCIETY ISLANDS

11825 & 1900 333 SC R. Tahiti: EE nx, otherwise in Fren./Tahtian (Pyatt)
15170 (Joseph MO)(Crews FL)(Pecenka IN)(Yajko PA)(Stephenson)

SOLOMON ISLANDS

9545 2330 222 NM SIIBS: EE w/ ID, nx (Granone 11/28) FB!....reb.

----- D A T E L I N E -----

CENTRAL DISTRIBUTION-As you may already know SPEEDX now provides the option of sending all your reports directly to Bob Zilmer, 9016 W. Mt. Vernon Ave., Milwaukee, WI 53226, the CENTRAL DISTRIBUTION EDITOR. If you wish to take advantage of this service to cutdown on postage costs, remember that Bob's deadline is the 10th of the month. However, we will continue to use items received here as late as the 19th of the month. We would like to continue to hear from as many of you as possible, directly, especially new reporters or those who have not reported for some time. Remember to include full name, address, and receiver with all your loggings, and cut them up if possible. Thanx.....

ENGLISH BROADCASTS-A new quick-reference list of bosts in Eng. from over 100 countries is available from NASWA, Box 13, Liberty, IN 47353, USA, for a long SASE or 2 IRCs overseas; compiled by Glenn Hauser, w/ rating difficulty specified

USSR HIGH FREQUENCY BROADCAST NEWSLETTER-We have just received the 2nd installment of this excellent newsletter, published by Roger Legge, Box 232, McLean, VA 22101, USA. The subscription rate is \$3 for 12 issues, including overseas; for a sample copy send 13¢ US stamp or 1 IRC. We recommend it highly, particularly for those of us who constantly have questions about Soviet broadcasting

BANGLADESH-Ext. Svce sked is: (0445-0515) EE on 15410, 17890, 21685; (0515-45) AA on same freqs; (1115-45) EE on 7150, 9740; (1230-1300) EE on 11900, 15270; (1340-1400) Pushtu, (1400-1500) Urdu, (1500-30) Punjabi, (1600-30) Hindi, (1645-1815) Bengali, (1815-1915) EE, all on 11887, 15410.....BBCMS

INDONESIA-10 KW tx were completed in Ambon, Sorong, Ternate as of 11/27.BBCMS
LEBANON-Beirut's Home Svce has been noted on 9545, from around 0420+....BBCMS

Thank to 76 reporters this month, and especially to the new ones: Robert Batson, Kent Breitung, Dan Carrier, Alex Gheno, Paul Granone, Charles Howarth, Skip Joseph, Scott Miller, John Onken, Edward Pyatt, Jay Seltzer, James Spencer, and the Univ. of Manitoba DX SWL Club. Watch for some possible adjustments in format in the coming months to accommodate increased loggings..1/23/7

WORLD SERVICE PROGRAMMI

STATION SKEDS

EMISSIONS

TRASMISSIONI PROGRAMMS SERVIZIO

BULLETIN DE PROGRAMMES ENGLISH SERVICE PROGRAMME SCHEDULE

Editor:
LARRY TALBOT
N84 W15119 Knoll Terrace
Menomonee Falls, WI 53051

Deadline: 15th

COMUNICATI NEL CORSO

R. AUSTRALIA has this EE sked as compiled by Robert Heckenlively who must have stayed up all nite to monitor these xmsns. Underlined freqs were received at Bob's QTH in S. Dakota. To Mar. 6th:

0130, 17870, 17795, 11790, 11965, 15140, 15160, 15240, 15320 plus 15355 & 15410 to Asia.

0230 Close 11965, add 15190.

0300 Close 17795 & 11790. In use 17870, 15410, 15355, 15320, 15240, 15190, 15160, 15140.

0330 Close 15190 to Asia. (to save space I will list only in use freq that were recd rather than repeat in use freq ea hr. LT) 15160, 15320.

0400 Add 15290, 11845 to Afr & 11740-NZ.

0500 15320, 15160 (FF), 15290, 11845, 15240.

0600 Close 15140 to NZ. 11740, 15320, 15290, 15160, 11845.

0630 Close 11845, 15290. 15160, 15320 11740. Add 9515 to Pacific.

0700 Close 15160. Add 9570 to Eur/UK. 15320, 15410, 11740, 9515. 9570 covered by TWR after 0735.

0730 Close 15320 & 15240. 11740, 9570, 9515, 5995.

0800 Add 11705, 6045 to NZ & 15190. 15355, 11740, 9515, 9570, 5995.

0830 Close 9515. 11740, 11705, 9570, 6045, 5995.

0900 Close 15355, 9570. 11740, 11705 6045, 5995.

0930 Close 17870, 11740. 11705, 6045 5995.

0945 Close 15190.

1000 Close 15410. 11705, 6045, 5995. Add 9540, 11790.

1100 Close 11790. 11705, 9540, 6045 5995. Add 9580.

1230 Close 11740. Add 7240, 9575.

1300 Close 9580.

DK pgm on GMT Su @ 1440 & 0840 on 5995 & 0240 on 15320.

BELGIUM, BRT-4 has EE to NA @ *0015 on 6080 including new IS. Old IS still being heard on 9730. Watts.

BRAZIL, RNB, has EE @ 2100 on 11780. 250 kw. Xmtr near Brasilia. Macris.

BULGARIA, R. Sofia has this EE sked heard 1/8 by Watts. To UK 1930-2030 on 9700 & 6070 & 2130-2200 on 9700. To NA 0030-0100 on 9700 & 0430-0500 on 7115. Also from Yajko.

CANADA, RCI, new sked eff. Mar. 6-April 30, has EE to NA 0100-0130 on 9535, 0200-0230 on 9535 & 6065. 0300-0330 on 9655, 9535, 6065 6045. 0400-0430 on 9655, 6045. 2300-0100 On 5960 M-F only. From Apr 25 from 2200-2400 on 6040. To W/Eur EE/FF 1145-1225 on 11720 & 9560. 1400-1500 on 6195 Su only. 1630-1700 on 17820 & 15325. EE/FF. 1830-1900 on 11855 & 9685. EE. 1930-2000 on 11855 & 9685. EE. 2200-2255 (2230 Sa-Su) 9445, 5925. To E/Eur 1530-1600 on 9555 & 11935. To S/Pac. 2000-2030, on 17820, 15325, 15290. Pecenka & Watts.

CHINA, R. Peking EE to ECNA 0000-0100, 11675, 11945, 15060. 0100-0200, 7120, 9780, 9940, 11945, 12055. 0200-0300, 9940, 12010, 12055. 0300-0400, 7120, 9780. 1200-1300, 11685. And to WCNA: 0300-0500, 9460, 11650, 12055, 15060. Seltzer, Carrier

CUBA, RHC, EE to N/Eur 2010-2140 on 17855. To N/C/S Am 0100-0450 on 9685. 0100-0600 on 11725. 0330-0600 on 11760. 0630-0800 on 9525. 2050-2150 on 17750 & 11865. Joseph & Malone.

EGYPT, Egyptian State Broadcast. (R. Cairo) 2200-2315 On 9805. Fixed items: 2215 nx, 2313 nx/hl. Schipelliti.

FRANCE, RFI, Apparently I messed up the sked given last mo. so I will try again. This good to Mar. All EE is 1700-1800. 5955 to E. Afr. 7165 to N. Afr. 7285 to N. Afr. 9505 to E. & C. Afr. 9585 & 9695 to W. Afr. 9715 to E. Afr. 11705 to C. Afr. 11890 & 11930 to W. Afr. # 11965 nf to E. Afr. 15425 to W. Afr. # # Probably best bet to be heard in NA according to Ken Earhart who sent corrections. Tnx Ken.

FINLAND, R. Finland has EE to NA 0330-0400 on 6105, 1330-1400 & 1430-1500 on 11755 & 15110. This sked from Seltzer good to Mar 6. I have a Mar 6 May 1 sked for nxt mo.

GUATEMALA, TGNA times given last mo sked were local not GMT. Here are conversions. EE M-Sa 0245-0430 & on Su. 0045-0400. Granone, Macris.

HOLLAND, RN. Sked from Watts is for Happy Station bdcsts (Sun) All EE. 0630-0750 to NZ, B9630. 0800-0920 to Au/NZ B9715. 0930-1050 to Eur L7240 L9660 L6045 L5955. 1400-1520 to SEAsia, Eur, L15185, L17810, L15120, L6045, L5955 1400-1520 to S/Asia, F/E M11740. 1830-1950 to Eur, Afr. L15375, L11730 L6020. 1830-1950 to Afr. M6020. 2000-2100 to W Eur. M11730. 0200-0320 to ECNA B6165. 0500-0620 to WCNA B9715, B6165. B=Bonaire L=Lopik M=Madagascar.

HONDURAS, R. Swan, back on air can be heard mornings 1100+ or after big powers are off 0500+ on 6015. Earhart.

IRAN, R. Iran or Nat. Iranian R. & TV. Eur. svc. (can be heard NA) 1900-1930 GG, 1930-2000 FF, 2000-2030 EE all on 9022 which is 350kW. New address is P.O. Box 41-3456, Tehran. Future plans include 8 500kW SW xmtrs. Heckenlively, Miller.

ISRAEL, IBA, has this sked to NA & W/Eur. 1200-1230 on 15485, 12025, 11655. 2000-2030 on 7412, 5900. 2230-2300 on 9815, 9435, 7412, 5900. 0500-0515 on 5900. Scott Miller.

ITALY, RAI, Rome, has this EE to NA 0100-0120 on 9575, 6010. EE also to Japan @ 2200-2225 on 11905, 9710 & 5990. To S/Asia 0350-0410 on 11905 9710, 9630. To UK 1935-1955 on 7290 7275, 6010. To Medit. 0425-0445 on 7290, 6050, 6010. To M/E 2025-2045 7290, 6050 & 6010. Watts. Watch for changes during Feb. LT.

JAPAN, RJ, sked good to Mar. 5, EE 2015-2045 to M/E, N Afr, 9700, 7250 2345-0045 to NA, 11800, 9525 0130-0230 to NA/CA/Hawaii on 17825 15420, 15195, 11840 0800-0830 to Eur 15325, 11960 1830-1900 to Eur 9605, 7195 0930-1030 to Au/NZ 15235, 11875 1115-1145 to seAsia 11875, 9675 1630-1700 to As/Afr 9670, 7250 Gen Svc alternates EE/JJ around the clock (usually 15 min ea) using any one of these freq: 15105, 9505, 5990. DX pgm in the Gen Svc is at

JAPAN (cont) 1415-1430 on 5990 on GMT Svc. DX pgm in the NA svc is on GMT Mon @ 0015-0030 on 11800 & 9525. Latter is reportedly QRMD Granone, Yajko & Heckenlively.

REP. of KOREA sent this temp. sked to Granone showing ½ hr EE pgms to NA @ 0400, 1000, 1530, 1800 on 11860, 9640 & 7150. EE to Eur at 0200, 1130, 2000 on 11860, 9640, 9600 & 7150. To seAsia @ 2300 on 9640, 9600 & 7150.

NEW ZEALAND, this item direct from Tony King @ RNZ. 15130 now from 2000-0715. 9540 dropped. 9770 from 1800-1950 (sports bdcst from 2200-0715) 25mb freq. carry National pgm. 6105 from 0730-1030 & 6015 after 1030 if sports bdcst.

NIGERIA, VON, HAS EE 0655-0835 on 15185, 7275, 11900. 1528-1657 on 15185, 15120, 7275. 1758-1927 on 15120, 11770, 7275. Skip Joseph. Also noted on NF4900 up to 2305* in EE & arnd 0500-0600 also EE. Beal & Schwartz via SPEEDX-GRAM.

PORTUGAL, RP, new sked for EE/NA 0230-0300 to ECNA & 0500-0530 to WCNA both on 6025 & 11935. EE to Asia 1400-1430 & 1600-1630 on 17895. (not Su). For Afr 1800-1830 M-Sa (1700 Su) on 15340 & 17880. For Eur 1800-1830 on 6025, 9740. Joseph, Earhart.

SPAIN, RTVE, (RNE) slight change to sked last mo. 9560 replaced by 6090 @ 1730, 1930, 2030. rest ok. Earhart, Perry, Pecenka, Schipelli-iti.

SEYCHELLES, FEBA, has EE for S Asia 0600-0830 (Su) 0630-0830 (M-Sa) on 15325, 15270, 15195, 15185, 15160 1240-1255 (alt Sa) 1535-1650 same freq plus 11870, 11865, 11810 & 11785. NE/Afr & W/Asia 1730-1745 (1800 Tu) on 9765, 9665, 9605, & 9545. To E/Afr 0330-0415 same frq. Watts.

SOUTH AFRICA, RSA, add 9585 to EE to NA 2226-2320. 11900, 11800 & 5980 still in use also. Seltzer, Watts.

SWAZILAND, TWR, has EE daily @ 0430-0615 on 5055 & 9590. 0615-0905 on 6070 & 11760 1630-1815 on 5055 1815-2105 on 3275 Heckenlively.

SWEDEN, RS has these daily ½ hr pgms in EE 0030 to NA 6045 0230 to NA 6045, 9695 1100 to Eur 9630 Aus/NZ 15305

SWEDEN(cont)

Afr 21690.
 1230 to E/Asia 9745
 NA 15305
 Afr 21690
 1400 to S/Asia 9750, 11920*
 NA 15305
 1600 to Eur 6065, 9665
 M/E 11735
 1830 to Eur 6065
 Afr 9720, 11780
 2100 to Eur 6065
 M/E 9605
 Afr 11845
 2300 to NA 6045, 6120, 9695. Malone.

SWITZERLAND, SBC, EE to NA 0145-0215
 on 5965, 6135, 9725, 11715. To WCNA
 0430-0500 on 6045, 9725. 1315-1345
 on 15140. Good to Apr 30.
Seltzer, Heckenlively, Malone
 *9750 & 11920 @ 1400 apparently re-
 placed by 9545 & 11925. Zilmer/GRAM.

TAIWAN, BCC, EE sked to Mar 5.
 2130-2230 to Afr, M/E, Eur on 9510
 9600, 11860, 15225, 17720.
 1700-1800 to NA on 9685 & 17890.
 1700-1800 to Au/NZ on 11825.
 0100-0200 to NA 9765, 15345, 15425
 17890
 0300-0350 to NA 15345, 17890.
 0100-0200 0300-0350 to Au/NZ 11825.
 Ea freq has a call sign beginning
 BED or BEG & nos ranging from 7 to 99.
 Peters.

TURKEY, VOT, EE is 2200-0030 on 11880
 (250kw) to Eur & 9515 (100kw) to NA.
 DX pgm daily feature. To Apr 1Talbot.

UGANDA, UBC, using 9730 & 15325 with
 FF/AA/EE. They indicate 9730 is used
 Su, M, W, F 1912-2100 w/250kw. to
 N/Afr & M/E. Also indicate they intend
 to start Eur svc in 1977 w/2nd xmtr.
 Said they will have QSL cards avail-
 able soon. info from David Peters.

VATICAN R. has EE to NA @ 0200 on
 5995, 6015 & 9605. Yajko, Watts.

VIETNAM, VOV, sent this sked to John
 Somers. No indication of target. All
 1800-1900 2030-2130, 15012 & 10040.
 0900-0930, 1000-1030, 1530-1630 on
 12055, 10040, 7470.

USSR Roger Legge's USSR HIGH FREQ.
 BROADCAST NEWSLETTER as mentioned
 in last months section has become
 an instant success. I have heard
 high praise from all around. Roger
 has set the subscription rate at
 \$3 for 12 issues including overseas
 which will be sent airmail. Send to
 Box 232, McLean, VA. 22101, U.S.A.

Response to the offer of VOA skeds
 was quite good so I am going to use

some of the material here this month
 for those of you who didn't get
 around to sending for one. hi.

<u>COLOMBO SRI LANKA</u>		kW	
7110	0445-0330	10	SAS
7110	1245-1800	10	SAS
9670	1245-1800	35	SAS
11740	0045-0330	35	SAS
11935	1300-1800	35	SAS
11740	0045-0330	35	SAS
11935	1300-1800	35	SAS
15185	0050-0330	35	SAS

<u>ASCENSCION ISLAND</u>			
15195	0950-1400	250	LAM
17830	0950-1400	250	LAM

<u>OKINAWA, RYUKYU ISLANDS</u>			
6010	1100-1500	15	NEAS
6075	2115-2200	35	NEAS
7160	2215-2300	35	NEAS
7165	1030-1500	35	NEAS, PHL
7255	0930-1400	100	CHN
7255	2130-0030	35	CHN
7265	1400-1600	100	CHN
9560	2150-0030	100	CHN
21490	2300-0100	15	CHN

<u>BERLIN, GERMANY</u>		(good luck-larry)	
6005	0330-1730	20	RIAS

<u>RHODES, GREECE</u>			
6015	1615-2200	50	ME, N.AFR.
6070	0145-0400	50	USSR
6120	0400-0600	50	ME, NAF
6120	1545-2200	50	EUR
7110	0330-0600	50	ME

Pretty handy, huh? Jon Cohen did a
 great job on this. Now suppose you
 are tuning around and every other
 freq is carrying the Breakfast Show
 (whats new) but you don't know if its
 coming from Greenville or Poror. Then
 you need Greg Watts equally nifty by
 freq compilation. Again a sample:

FREQ	TIME	XMTR	KW	TARGET
3980	0245-0700	MUN	8	EUR
	1630-2200	MUN	8	EUR
3985	0245-0800	MVA	250	AFR
3990	0500-0730	MVA	8	WAFR
	1545-2200	MVA	8	WAFR
5955	0500-0700	KAV	250	EUR, NAFR
	1045-1400	DX	200	Ocean
	1400-1700	PHL	250	S & SEASIA
	1600-1800	KAV	250	USSR
5965	0600-0800	TAN	50	NAFR
	1545-1700	MUN	100	EUR, M/E
	1700-2130	WOF	250	EUR
5985	0145-0230	KAV	250	SEASIA
5995	1145-0030	PHL	35	AFRTS=seASIA
	0115-0700	GR	250	EUR
6005	0330-1730	BER	20	RIAS
				(good luck-larry)
	1730-0330	MUN	100	RIAS
6010	0945-1100	DX	250	FE
	1500-1700	DX	250	FE

Both lists were 10 pages so you see
 how much work these guys did for us.
 Tnx again guys. C U nxt mo. 73 LT.

UTILITY REPORT



EDITOR:

KEN COMPTON
7 MOUNT VERNON STREET
BRIGHTON, MA 02135

Deadline: 15th of the month

ALASKA: AKA Elmendorf AFB 6738. **QSLs** All freqs in khz. Sent brochure on customer relations! Did not return PFC! Double rats! (Hardester-OKINAWA) That brochure seems to have been ineffective in your case, Mike!

ANGOLA: CPRM CQX58 Luanda 20535. F/d ltr from Lisbon in 4m for rpt & IRC sent to Luanda. (Trochimczyk-DC)

BERMUDA: VRT C&W St. Georges 6487. Folder cd 2m for IRC (Dulmage-ONT)

CANAL ZONE: NBA USN Balboa 17136.8. F/d ltr 187d for ms. (Raiford-FL)

CAPE VERDE: CQE25 CPRM Praia 14465. Ltr 4m for IRC. (Trochimczyk-DC)

ENGLAND: GYA Whitehall Naval R. 17054.235! F/d mimeo ltr in 3m for ms. (Walters-NJ)

GREENLAND: CXI68 3TO Godthaab 14900. Folder photo cd in 33d, f/d, for no RP. (Smith-FL)

INDIA: VWM Madras R. 8674.5. F/d ltr 6w for IRC. (Trochimczyk-DC)
Address: Indian Posts & Telegraph Department
Madras Radio
Madras - 60019 (Tamilnadu) India

IRELAND: EIP Shannon Aeradio 5533. F/d color photo folder cd in 14d air for 1 IRC. (Smith-FL)

JORDAN: JYA63 JTC Amman 13950. Ltr 2m for IRC. VS: Sami Shamy, Radio Section Eng. (Trochimczyk-DC)
Address: Telecommunications Corporation
P.O. Box 1689
Amman, JORDAN

NEW CALEDONIA: FJPS Noumea 8698. PFC w/o freq 45d for 2 IRCs (Hardester)

NEW ZEALAND: ZLZ22 Wellington Meteo 7600 ltr 29d air (Trochimczyk-DC)

POLAND: SOL44 PAP Warsaw 11444. F/d cd 13m for IRC (Trochimczyk-DC)

SPAIN: CTNE sent a 50th Anniversary bronze medal, very artistic, w/ motto, "In Quinquagesimo Anno Serviti" for no rpt! (Must be for previous reports.) (Trochimczyk-DC)

PUERTO RICO: NMR USCG San Juan 17000. PFC 21d for ms. (Hathaway-IL)

TAHITI: FTS, Papeete 16385. No data FTS form ltr 8m for ms (Walters-NJ)

U.S.A.: NMN USCG Portsmouth VA 4394.8 & 8767.2. F/d cd in 33 d for no RP. Promised new cd when it arrives from printers. (Novello-NY)

WSL ITT Amagansett NY 6416. PFC 2w for ms. 10kw. (Dulmage-CNT)

KFS ITT Half Moon Bay CA 8444.5. PFC 2w for ms. 12kw. (Dulmage-ONT)

NMF USCG Marshfield, MA 8459. PFC 2w for ms. 10kw. (Dulmage-ONT)

NMN USCG Virginia Beach, VA 8465. PFC 2w for ms. 10kw. (Dulmage-CNT)

FPC in 391d, 27d after f-up (Hardester-OKINAWA)

KFX Astoria R. Seattle, WA 2598. PFC w/no data 23d for ms (Hardester)

SHIPS: NAYQ USS "Basilone" DD824 2716 PFC 18d for ms (Chabak-CO)

NLDV USS "Davis" DD937 PFC 13d for ms. 60w. (Chabak-CO)

NAZI (1-Ed.) USS "Myles G. Fox" DD-819 PFC 11d for ms. 250w. (Chabak-CO)

NOHZ USS "Paul" FF-1080 2716 PFC 10d for ms. 200w. (Chabak-CO)

NIID USS "Recovery" ARS-43 2716. PFC 12d for ms. 75w. (Chabak-CO)

NDXU USS "Santa Barbara" AE-28 2716. PFC 28d for ms. 1kw. (Chabak-CO)

NJRS USS "Saratoga" CV-60 2716. PFC 13d for ms. 400w. (Chabak-CO)

NIUZ USS "Sellers" DDG-11 2716. PFC 10d for ms. 1kw. (Chabak-CO)

NRFJ USCGC "Northwind" 6521.8. PFC 62d for ms. 500w. (Chabak-CO)

NJMR USS "Tacoma" PG-92 6521.8 PFC 14d for ms. 1002. (Chabak-CO)

CGJL HMCS "Assiniboine" DDH-234. No data PFC, "freq, mode, & power not given due to security reasons", in 16d. (Chabak-CO)

OUT OF ORDER:

U.S.A.: WOE RCA Lantana FL 17160.8. PFC & ltr in 6d. (Hathaway-IL)

SHIPS: DBFR "Anton Dohrn" research vessel 2182. PFC in 8m for IRC. 400w. QTH: 300mi W. of County Cork. (Holbrook-MD)

LMWX "Sneffjord" reefer 2182. Ltr 27d for IRC. 20w! QTH: 56-30W 24-30N (Holbrook-MD)

OYKY "Mercandian Sky" cargo 2182. Ltr, ship photo & radio shack photo in 38d air for 1 IRC. 400w. (Holbrook-MD)

AIRCRAFT: N8630 Intntl Air Bahama, DC8-63, 2931. En route to Luxemburg PFC, time table & photo 22d air for IRC. 150w. (Holbrook-MD)

SWEDEN(cont)

Afr 21690.
 1230 to E/Asia 9745
 NA 15305
 Afr 21690
 1400 to S/Asia 9750, 11920*
 NA 15305
 1600 to Eur 6065, 9665
 M/E 11735
 1830 to Eur 6065
 Afr 9720, 11780
 2100 to Eur 6065
 M/E 9605
 Afr 11845
 2300 to NA 6045, 6120, 9695. Malone.

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 on 5965, 6135, 9725, 11715. To WCNA
 0430-0500 on 6045, 9725. 1315-1345
 on 15140. Good to Apr 30.
 Seltzer, Heckenlively, Malone
 *9750 & 11920 @ 1400 apparently re-
 placed by 9545 & 11925. Zilmer/GRAM.

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 9600, 11860, 15225, 17720.
 1700-1800 to NA on 9685 & 17890.
 1700-1800 to Au/NZ on 11825.
 0100-0200 to NA 9765, 15345, 15425
 17890
 0300-0350 to NA 15345, 17890.
 0100-0200 0300-0350 to Au/NZ 11825.
 Ea freq has a call sign beginning
 BED or BEG & nos ranging from 7 to 99
 Peters.

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 (250kw) to Eur & 9515 (100kw) to NA.
 DX pgm daily feature. To Apr 1Talbot.

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 FF/AA/EE. They indicate 9730 is used
 Su, M, W, F 1912-2100 w/250kw. to
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 to start Eur svc in 1977 w/2nd xmtr.
 Said they will have QSL cards avail-
 able soon. info from David Peters.

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 5995, 6015 & 9605. Yajko, Watts.

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 Somers. No indication of target. All
 1800-1900 2030-2130, 15012 & 10040.
 0900-0930, 1000-1030, 1530-1630 on
 12055, 10040, 7470.

USSR Roger Legge's USSR HIGH FREQ.
 BROADCAST NEWSLETTER as mentioned
 in last months section has become
 an instant success. I have heard
 high praise from all around. Roger
 has set the subscription rate at
 \$3 for 12 issues including overseas
 which will be sent airmail. Send to
 Box 232, McLean, VA. 22101, U.S.A.

Response to the offer of VOA skeds
 was quite good so I am going to use

some of the material here this month
 for those of you who didn't get
 around to sending for one. hi.

<u>COLOMBO SRI LANKA</u>		kW	
7110	0445-0330	10	SAS
7110	1245-1800	10	SAS
9670	1245-1800	35	SAS
11740	0045-0330	35	SAS
11935	1300-1800	35	SAS
11740	0045-0330	35	SAS
11935	1300-1800	35	SAS
15185	0050-0330	35	SAS

<u>ASCENSCION ISLAND</u>			
15195	0950-1400	250	LAM
17830	0950-1400	250	LAM

<u>OKINAWA, RYUKYU ISLANDS</u>			
6010	1100-1500	15	NEAS
6075	2115-2200	35	NEAS
7160	2215-2300	35	NEAS
7165	1030-1500	35	NEAS, PHL
7255	0930-1400	100	CHN
7255	2130-0030	35	CHN
7265	1400-1600	100	CHN
9560	2150-0030	100	CHN
21490	2300-0100	15	CHN

<u>BERLIN, GERMANY</u>		(good luck-larry)	
6005	0330-1730	20	RIAS

<u>RHODES, GREECE</u>			
6015	1615-2200	50	ME, N.AFR.
6070	0145-0400	50	USSR
6120	0400-0600	50	ME, NAF
6120	1545-2200	50	EUR
7110	0330-0600	50	ME

Pretty handy, huh? Jon Cohen did a
 great job on this. Now suppose you
 are tuning around and every other
 freq is carrying the Breakfast Show
 (whats new) but you don't know if its
 coming from Greenville or Porc. Then
 you need Greg Watts equally nifty by
 freq compilation. Again a sample:

FREQ	TIME	XMTR	KW	TARGET
3980	0245-0700	MUN	8	EUR
	1630-2200	MUN	8	EUR
3985	0245-0800	MVA	250	AFR
3990	0500-0730	MVA	8	WAFR
EE	1545-2200	MVA	8	WAFR
5955	0500-0700	KAV	250	EUR, NAFR
	1045-1400	DX	200	Ocean
	1400-1700	PHL	250	S & SEASIA
	1600-1800	KAV	250	USSR
5965	0600-0800	TAN	50	NAFR
	1545-1700	MUN	100	EUR, M/E
	1700-2130	WOF	250	EUR
5985	0145-0230	KAV	250	SEASIA
5995	1145-0030	PHL	35	AFRTS=seASIA
	0115-0700	GR	250	EUR
6005	0330-1730	BER	20	RIAS
				(good luck-larry)
	1730-0330	MUN	100	RIAS
6010	0945-1100	DX	250	FE
	1500-1700	DX	250	FE

Both lists were 10 pages so you see
 how much work these guys did for us.
 Tnx again guys. C U nxt mo. 73 LT.

UTILITY REPORT



EDITOR:

KEN COMPTON
7 MOUNT VERNON STREET
BRIGHTON, MA 02135

Deadline: 15th of the month

ALASKA: AKA Elmendorf AFB 6738. Sent brochure on customer relations! Did not return PFC! Double rats! (Hardester-OKINAWA) That brochure seems to have been ineffective in your case, Mikel

ANGOLA: CPRM CQX58 Luanda 20535. F/d ltr from Lisbon in 4m for rpt & IRC sent to Luanda. (Trochimczyk-DC)

BERMUDA: VRT C&W St. Georges 6487. Folder cd 2m for IRC (Dulmage-ONT)

CANAL ZONE: NBA USN Balboa 17136.8. F/d ltr 187d for ms. (Raiford-FL)

CAPE VERDE: CQE25 CPRM Praia 14465. Ltr 4m for IRC. (Trochimczyk-DC)

ENGLAND: GYA Whitehall Naval R. 17054.235! F/d mimeo ltr in 3m for ms. (Walters-NJ)

GREENLAND: CXI68 JTO Godthaab 14900. Folder photo cd in 33d, f/d, for no RP. (Smith-FL)

INDIA: VVM Madras R. 8674.5. F/d ltr 6w for IRC. (Trochimczyk-DC)
Address: Indian Posts & Telegraph Department
Madras Radio
Madras - 60019 (Tamilnadu) India

IRELAND: EIP Shannon Aeradio 5533. F/d color photo folder cd in 14d air for 1 IRC. (Smith-FL)

JORDAN: JYA63 JTC Amman 13950. Ltr 2m for IRC. VS:Sami Shamy, Radio Section Eng. (Trochimczyk-DC)
Address: Telecommunications Corporation
P.O. Box 1689
Amman, JORDAN

NEW CALEDONIA: FJPS Noumea 8698. PFC w/o freq 45d for 2 IRCs(Hardester)

NEW ZEALAND: ZLZ22 Wellington Meteo 7600 ltr29d air (Trochimczyk-DC)

POLAND: SOL44 PAP Warsaw 11444. F/d cd 13m for IRC (Trochimczyk-DC)

SPAIN: CTNE sent a 50th Anniversary bronze medal, very artistic, w/ motto, "In Quinquagesimo Anno Serviti" for no rpt! (Must be for previous reports.) (Trochimczyk-DC)

PUERTO RICO: NMR USCG San Juan 17000. PFC 21d for ms. (Hathaway-IL)

TAHITI: FTS, Papeete 16385. No data FTS form ltr 8m for ms(Walters-NJ)

U.S.A.: NMN USCG Portsmouth VA 4394.8 & 8767.2. F/d cd in 33 d for no RP. Promised new cd when it arrives from printers. (Novello-NY)
WSL ITT Amagansett NY 6416. PFC2w for ms. 10kw. (Dulmage-CNT)
KFB ITT Half Moon Bay CA 8444.5. PFC 2w for ms. 12kw. (Dulmage-ONT)
NMF USCG Marshfield, MA 8459. PFC 2w for ms. 10kw. (Dulmage-ONT)
NMN USCG Virginia Beach, VA 8465. PFC 2w for ms. 10kw. (Dulmage-ONT)
PFC in 391d, 27d after f-up (Hardester-OKINAWA)

KFX Astoria R. Seattle, WA 2598. PFC w/no data 23d for ms(Hardester)

SHIPS: NAYQ USS "Basilone" DD824 2716 PFC 18d for ms (Chabak-CO)
NLDV USS "Davis" DD937 PFC 13d for ms. 60w. (Chabak-CO)
NAZI (!-Ed.) USS "Myles C. Fox" DD-819 PFC 11d for ms. 250w. (Chabak-CO)
NOHZ USS "Paul" FF-1080 2716 PFC 10d for ms. 200w. (Chabak-CO)
NIID USS "Recovery" ARS-43 2716. PFC 12d for ms. 75w. (Chabak-CO)
NDXU USS "Santa Barbara" AE-28 2716. PFC 28d for ms. 1kw. (Chabak-CO)
NJRS USS "Saratoga" CV-60 2716. PFC 13d for ms. 400w. (Chabak-CO)
NIUZ USS "Sellers" DDG-11 2716. PFC 10d for ms. 1kw. (Chabak-CO)
NRFJ USCGC "Northwind" 6521.8. PFC 62d for ms. 500w. (Chabak-CO)
NJMR USS "Tacoma" PG-92 6521.8 PFC 14d for ms. 1002. (Chabak-CO)
CGJL HMCS "Assiniboine" DDH-234. No data PFC, "freq, mode, & power not given due to security reasons", in 16d. (Chabak-CO)

OUT OF ORDER:
U.S.A.: WOE RCA Lantana FL 17150.8. PFC & ltr in 6d. (Hathaway-IL)

SHIPS: DBFR "Anton Dohrn" research vessel 2182. PFC in 8m for IRC.
400w. QTH: 300mi W. of County Cork. (Holbrook-MD)
LMWX "Snefford" reefer 2182. Ltr 27d for IRC. 20w! QTH: 56-30W 24-30N (Holbrook-MD)
OYKY "Mercandian Sky" cargo 2182. Ltr, ship photo & radio shack photo in 38d air for 1 IRC. 400w. (Holbrook-MD)

AIRCRAFT: N8630 Intntl Air Bahama, DC8-63, 2931. En route to Luxemburg PFC, time table & photo 22d air for IRC. 150w. (Holbrook-MD)

NEW ZEALAND METEOROLOGICAL SERVICE

MINISTRY OF TRANSPORT

P.O. BOX 722 WELLINGTON
 TELEPHONE: 4-4-41 729379
 TELEGRAMS: MLTFO

Met. 26/6/3

6 December 1976

Dr J. Trochimezyk
 Geophysical Laboratory
 2801 Upton Street, N.W.
 Washington, D.C. 20008
 U.S.A.

Dear Sir,

Your letter of 26 November 1976 is acknowledged.

The transmissions you heard are broadcast from the New Zealand Post Office radio station at Himatangi, some 100 km north of Wellington, for the benefit of ships on the high seas.

The bulletin broadcast at 0815 GMT contains gale, storm and hurricane warnings for the area from the equator to 50°S, between longitudes 160°E and 140°W. The 0840 GMT bulletin describes the meteorological situation and gives 24-hour forecasts of conditions in the zone from 25°S to 50°S, between the same longitudes. It also includes weather reports in code from ships and from a selection of land stations in the area.

The call-signs and frequencies (kHz) used are :

ZLZ 20	5919	
ZLZ 22	7600	
ZLX 22	11130	
ZLX 37	14850	
ZLX 31	19488	(not used at the hours when you heard our transmissions)

The signal is radiated with a power of 5 kW via a quadrant antenna (non-directional).

Yours faithfully



(J. A. Hunter)
 Superintendent National Weather
 Forecasting Centre
 for Director

	All times GMT	LOGGINGS	All freqs in khz
ALASKA:	2809	1026 NMJ22 Attu Loran	OM EE wkg NRW USB (Chabak-CO)
		0840	NRW1 Sitkinak Is. Loran CM EE wkg NRW2 (Chabak-CO)
		0918	NRW Cape Sarichef Loran wkg NRW2 USB (Chabak-CO)
	4577	0949	NRW2 St Paul Loran wkg Loran net USB (Chabak-CO)
	5589	0134	Anchorage Aeradio OM EE wkg Clipper 1 (Hickman-WA)
	5723.5	0729	NUD USN Adak OM EE clg Quebec India USB (Hickman)
	8465	0729	NOX USCG Adak CQ mkr CW (Trubee-HI)
CANADA:	2182	0014	VBH Kingston ONT anned wx best SSB (Carvin-MA)
		2235	VBB Sault Ste Marie MAFOR best SSB (Hauser-TN)
	2582	0012	VCC DOT Quebec City EE/FF marine wx AM (Gauvreau)

	3151a	0045	CFH RCAF Halifax OM EE rescue tfc USB(Gauvreau)
	4307.06	0345	CKN Navy Vancouver V mkr CW (Dawson-CA)
	4431a	0806	Halifax CG OM EE marine wx AM (Chabak-CC)
	6430	0535	CFH Navy Ellershouse NS V mkr CW (Trubee-HI)
	6753	0233	CHR Trenton Mil ONT aviation wx USB (Cook-MN)
	6351.5	0628	VAI DOT Vancouver BC CQ mkr CW (Hathaway-IL)
	6753	0042	CJX St Johns Military NFLD aero wx USB(Cook-MN)
	13272	2254	Gander VOLMET OM EE avistion wx AM(Pecenka-IN)
	15036	1545	CJX St Johns Military NFLD OM EE wx SSB(Cohen-NJ)
GREENLAND:	11435	2205	OVG Danish Navy Grondal clg OV38 CW (Olsson-CT)
	11612a	1836	GTO Godthaab YL EE/Dan vm 7/13500a LSB(Gauvreau-Q)
	14900	1955	GTO Godthaab YL EE/Dan travel vm SSB (Hauser-TN)
MEXICO:	4250	0535	XFL Mazatlan de Sinaloa R. CQ mkr CW(Hathaway-IL)
	7350	0440	XDD212 PTT Mexico City YL SS vm, then clg Cuba SSBRC (Hauser-TN)
U.S.A.:	2047	0047	WNU TR&T Pearl R. LA wkg 3UQE CW (Raiford-FL)
	2182	0440	NMF USCG Boston OM anncg 2670 bcst SSB(Cohen-NJ)
	2514	0519	WLC Rogers City marine op wx bcst AM(Novello-NY)
	4088.5	1110	WJC W&T Memphis OM EE river tlc SSB(Kerrigan-IL)
	4300	0300	WOO Ocean Gate R. NJ ATT OM rll callSSB(Stone-C)
	4367.5	1703	WGK Memphis marine op YL river stages USB(Cook-MN)
	4394.9	*0430	NMC USCG SanFran CA OM EE marine wx USB(Novello-NY)
		*0530	NMN USCG Portsmouth VA marine wx USB(Dawson-CA) (Novello-NY)
		1017	NMN USCG Portsmouth VA marine wx SSB(Kerrigan-IL)
	4585	0730	NC CAP wkg Kiddie Car 2 SC & White Star 72 GA USB Cook-MN)
		0827	XIG448 SC CAP OM EE wkg RED DO3144 USB(Chabak-GO)
	4603	1552	Badger 37 Wisconsin CAP YL wkg ScooterUSB(Cook-MN)
	5652	1139	WSY70 NY VOLMET aviation wx AM (Kerrigan-IL)
	5680	1430	USCGAS Cape Cod MA wkg CG7254 re oil slick(Cohen)
		1543	NMK USCG Cape May NJ OM EE wkg NMN SSB(Compton-MA)
		1545	NOP USCGAS Brooklyn NY wkg CG1406 SSB (Compton-MA)
	5688	0707	Boeing Flight Test Seattle WA OM EE wkg Allen CG
	5696	2057	NOW USCG Port Angeles WA tfc USB (Hickman) (Chabak)
	5865	0019	NAM USN Norfolk VA LCMP V mkr CW (Watts-IN) V-CQ mkr CW 0557 (Hickman-OR)
	6380a	0434	VOA Greenville EE feeder to Eur SSB (Pecenka-IN)
	6383	0520	NMC USCG Bolinas CA CQ mkr CW (Trubee-HI)
	6519	1443	WVX St Louis marine op wkg "Mary Rose"USB(Cook-MN)
		1450	WGK RCA St Louis mar op wkg "Belle Mon"USB(Cook-MN)
	6521.3	0400	NMA USCG Miami FL wkg C3C "Sturgis"SSB(Stone-ONT)
	6738	0234	AFI McLellan AFB CA Foxtrot tfc USB (Hickman-WA)
	6873	2016	VOA Greenville feeder to Munich LSB (Gauvreau-QUE)
	6930	0020	KKN50 State Dept Intell Svc DC QRA mkr CW(Raiford)
	8090	2150	NAM USN Norfolk VA V-CQ mkr CW (Olsson-CT)
	8959	2233	Miami Aeradio OM EE wkg Piarco Aeradio (Carvin-MA)
	9905	2245	WEA79 ATT NYC OM EE vm USB (Hickman-WA)
	12421	1946	WJT Miami Marine R. wkg "Golden Trials"USB(Cook)
	12424.5	2023	WFJ Miami OM EE wkg 5MDJ & 5LDT USB (Gauvreau-QUE)
	13161.5	1755	KMI ATT Dixon CA OM EE wkg SS "Portland"(Pecenka)
	13110a	2235	"Sunshine Communications Station" OM w/San Fran Natl Wx Svc report SSB (Watts-IN)
	13175.5	2220	WOO ATT Oceangate R. NJ YL wkg "Queen Elizabeth II" LSB (Cook-MN)
	11226	1932	AFL USAF Loring AFB ME wkg "Decus 47"USB(Cook-MN)

CARIBBEAN			
BARBADOS:	12709	2250	8PO C&W Bridgetown ID mkr CW (Cohen-NJ)
CUBA:	6598	0025	NAW25 AAC&R Guantanamo Bay OM EE vm USB(Olsson-CT)
	7430a	0022	AAC&R Guantanamo OM EE vm USB (Gauvreau-QUE)
	8480	2340	CLQ EMRAIN Havana CQ mkr CW (Thompson-NM)
	16921	1525	CLS La Fé R. QRA mkr CW (Curtis-VT)
	17175.4	2255	CLS EMRAIN La Fé CQ mkr CW (Raiford-FL)
	18000a	1438	CLS EMRAIN La Fé V mkr CW (Curtis-VT)
JAMAICA:	6470.5	0243	6YI C&W Kingston CQ mkr CW (Watts-IN)
	8959	2248	Kingston Aeradio YL EE wkg Miami SSB (Carvin-MA)
MARTINIQUE:	6792a	0224	FIS Fort de France YL FF/EE vm USB (Gauvreau-QUE)
PUERTO RICO:	7700a	0255	AAC&R San Juan OM EE/SS vm SSB (Watts-IN)
	8959	2103	WWA3 San Juan Aeradio OM EE wkg KLM703 (Carvin-MA)
	12698	0020	NMR USCG San Juan CQ mkr CW (Hathaway-IL)
TRINIDAD:	8959	2231	Piarco Aeradio OM EE wkg WWA3 SSB (Carvin-MA)

CENTRAL AMERICA

BELIZE: 5388 0145 ZIK22 C&W Belize City OM EE vm SSB (Cohen-NJ)
 CANAL ZONE:11176 2049 AHF Albrook AFB OM EE wkg MAC67956 USB (Cook-MN)
 COSTA RICA:7665 0019 Radiografica C.R. YL EE/SS vm AM (Hauser-TN)
 8478 0216 TIM CRICR V mkr CW (Hathaway-IL)
 BELIZE: 10700 1318 C&W Middleburg OM EE vm SSB (Hauser-TN)

SOUTH AMERICA

ARGENTINA:8167.5 2342 LQB9 ServInt Hora Buenos Aires time tick (Olsson)
 10250 0005 LQR9 ENT Buenos Aires YL vm USB (Olsson-CT)
 17580 1900 LOL Navy Buenos Aires SS tfc CW (Olsson-CT)
 BRAZIL: 8520a 0502 PWZ7 USN Rio V mkr CW (Watts-IN)
 8621 0025 PFR PTT Rio CQ mkr, time tick CQ (Watts-IN)
 9042 2110 ZWRF Recife CQ mkr, tfc CW (Olsson-CT)
 17076 2252 PWR PTT Rio CQ mkr & tfc list CW (Raiford-FL)
 CHILE: 2818a 0415 CCS Navy Santiago V mkr CW (Curtis-VT)
 6472.5 0254 CCS Navy Santiago V mkr CW (Watts-IN)
 18035 1905 CCS Navy Santiago V mkr CW (Olsson-CT)
 COLOMBIA:6540 2147 San Andres Aeradio OM EE wkg Maiquetia (Carvin)
 17002 2300 HKB EMWATEL Barranquilla V mkr CW (Raiford-FL)
 URUGUAY:10770 0615 CXL "La Señal" Pajas Blancas YL SS time sigs USB
 (Cohen-NJ) Whoops, that's CXL24-Ed.
 18190 1428 "La Señal" Pajas Blancas YL SS time (Hauser-TN)
 SURINAM: 8847 0111 Paramaribo Aeradio OM clg Piarco SSB (Carvin-MA)
 VENEZUELA:6100 0004 Obs. Carigal Caracas SS time sig CW (Gauvreau-QUE)
 8959 2100 Maiquetia Aeradio OM clg Barranquilla (Carvin-MA)

EUROPE

DENMARK:12753.5 1813 ONZ DGPT Lyngby CQ mkr CW (Hickman-OR)
 ENGLAND: 6716 0014 MKL RAF Tynemouth coded tfc CW (Raiford-FL)
 7976 0605 BBC World Svc feeder SSB-RC (Hauser-TN)
 8740a 1554 BPO London OM EE vm SSB (Koizumi-JAPAN)
 15849 1625 BBC WS feeder to Ascension, Cyprus & Malaysia SSB
 (Hauser-TN)
 FRANCE: 6348.04 1651 HWN Navy Paris V mkr CW (Hardester-OKINAWA)
 8522.4 2335 FFL4 PTT S. Lys CQ mkr CW (Thompson-NM)
 10471a 2155 FDY Air Force Orleans V mkr CW (Olsson-CT)
 14902 1557 FT090 FTS Paris taped P-T-P ID SSB (Curtis-VT)
 FRANCE: 16360a 1515 International Network OM EE/FF vm SSB (Cohen-NJ)
 18720 1603 France Intntl nx feed ISB-RC 1605 ID IS (Hauser)
 GERMANY,W.9066 0010 DBV36 Zentraler Informationsdienst Press Agency
 Koendigwusterhausen QRA mkr CW (Olsson-CT)
 GIBRALTAR:10615a 2249 GYU BRN V mkr cw (A-VL-2-B) (Hickman-OR)
 IRELAND:13312 1805 Shannon VOLMET OM EE aviation wx AM (Cook-MN)
 ITALY: 13161.5 1920 ICB Genova R. OM Ital vm USB (Olsson-CT)
 NORWAY: 13980 1609 LCO Rogaland R. multicall V mkr CW (Curtis-VT)
 PORTUGAL:8552 2248 CTP NATO Oeiras ID mkr CW (Koizumi-JAPAN)
 8689 1924 CTU5/CTV28 Navy Monsanto V mkr CW (Raiford-FL)
 19814 1600 CUC9 CFRM Lisbon V-QRA mkr CW (Cohen-NJ)
 GREECE: 10880 2225 VOA Thessaloniki FF feeder SSB (Hauser-TN)
 PORTUGAL:10905 1521 RD Portuguesa PP feeder SSB (Hauser-TN)
 U.S.S.R.: 5895 0745 RND72 Moscow R/T RR tfc USB (Trubee-HI)
 7635 0053 Pulses, 10 per sec, from this center spreading
 from 7545 to 7725. At 0100, 7680 ctr (Hauser-TN)
 7020 0101 Pulses centered here, 6975 to 7055 khz (Hauser-TN)
 7925.2 0047 R. Moscow NAS feeder SSB-RC fax QRM (Hauser-TN)
 YUGOSLAVIA:8701 1919 YUR PTT Rijeka V mkr CW (Raiford-FL)

AFRICA

AFARS&ISSAS:12025 1702 FTS Djibouti YL EE/FF vm USB (Gauvreau-QUE)
 CONGO: 6617 0136 Brazzaville VOLMET OM FF wx AM (Pecenka)(Novello)
 GHANA: 19837.5 1310 ETS Ghana distorted YL FF/EE vm SSB (Hauser-TN)
 GUINEA: 5307a 0802 PTT Conakry YL FF/EE mx mkr USB (Chabak-CO)
 REUNION: 8550 2315 FUX French Navy S. Denis V mkr CW (Thompson-NM)
 SENEGAL: 6610 0358 Dakar Aeradio OM EE wkg KLM792 SSB (Carvin-MA)
 8998 1909 6WW French Navy Dakar V mkr CW (Raiford-FL)
 SO. AFRICA:5000 0250 ZUC Olifantsfontein time tick & ID CW (Olsson-CT)
 8556 2305 ZSJ4 Capetown R. CQ mkr CW (Thompson-NM)
 8604 0059 ZRH Cape Naval R. SImonetown ID mkr CW (Watts-IN)
 8686 0134 ZSC6 Capetown R. CQ mkr CW (Watts-IN)
 UPPER VOLTA:18090 1303 XTA80 FCR Ouagadougou FF/EE YL vm SSB (Hauser-TN)

ASIA

CHINA: 4341.27m1345 XSQ CGRA Kwangchow CQ mkr & tfc list CW(Hardester)
 4283.21m1305 XSV CGRA Tientsin tfc CW (Hardester-OKINAWA)
 8582 0806 XSW CGRA Kaohsiung CQ mkr CW (Trubee-HI)
 8602.1m 0818 XSV CGRA Tientsin CQ mkr CW (Hardester-OKINAWA)
 HONGKONG:8539 1753 VPD40 G&W Cape d'Aguilar CQ mkr CW(Hardester-OKI)
 INDONESIA:6204 0810 PNI DDPL Djajapura OM EE/Ind tfc USB (Trubee-HI)
 8542 2325 PKI DDPL Jakarta CQ mkr CW (Thompson-NM)
 JAPAN: 6738 1053 AIF USAF Yokota YL EE wkg UV374 USB (Chabak-CO)
 8903 0542 JMA Tokyo VOLMET OM EE wx AM (Benjamin-CA)
 17043 2257 JCU Nippon T&T Choshi City CQ mkr CW(Raiford-FL)
 KOREA: 12926 2150 HLM MinCom Mokpo V mkr CW (Thompson-NM)
 PHILIPPINES:6441.2m1635 DZG Globe Mackay Las Pinas CQ mkr CW(Hardester-O)
 6446.3m 1643 DZR RCA Manila V mkr CW (Hardester-OKINAWA)
 6738 1058 AIC Clark AFB Luzon OM EE tfc USB (Chabak-CO)
 SAUDI ARABIA:5311a 2125 PTT Jeddah OM EE/AA vm SSB (Cohen-NJ)
 9867 2145 HZP986 PTT Jeddah OM AA/EE vm LSB (Olsson-CT)
 U.S.S.R.:10004 0158 RID Irkutsk time sigs CW (Gauvreau-QUE)
 6521.8 0445 UFL Vladivostok R. RR tfc USB NOJ QRM(Hickman-OR)

 OCEANIA

AUSTRALIA:3432 1030 VLS Sydney VOLMET OM EE aviation wx AM(Miklejewski)
 4286.04m1755 VHP RAN V mkr CW (Hardester-OKINAWA)
 5638 0904 VZSY Sydney Aeradio OM EE wkg Auckland AM (Chabak)
 5688 0901 RAAF Sydney OM EE wkg Darwin USB (Chabak-CO)
 0921 AXH RAAF OM EE wkg Sydney USB (Chabak-CO)
 6428.5m 1630 VHP RAN Canberra V mkr CW (Hardester-OKINAWA)
 7500 0759 VNG APO Lyndhurst time tick, ID AM (Cohen-NJ)
 16920 1530 VHP RAN Canberra V mkr CW (Curtis-VT)
 CAROLINES:7581.5 0759 NRV7 Yap Loran wkg NRV Guam USB (Chabak-CO)
 GUAM: 6521.8 0852 NRV USCG OM EE wkg NMO USB (Hickman-OR)
 HAWAII: 4050 0819 NRO4 USCG French Frigate Shoals wkg NRW2(Chabak)
 0829 NRO Johnston Loran wkg NRO7 USB (Chabak-CO)
 8903 0551 KVM70 Honolulu VOLMET OM EE wx AM (Benjamin-CA)
 8963 0516 AGA Hickam AFB YL EE wkg a Skyking USB(Benjamin)
 13029 2135 KHK RCA Honolulu V mkr CW (Thompson-NM)
 NEW GUINEA:4310m 1803 VJE5 Lae V mkr CW (Hardester-OKINAWA)
 4330a 1558 VJE5 Lae V mkr CW (Koizumi-JAPAN)
 4342.5m 1840 VJE5 Lae clg VFC41 CW (Hardester-OKINAWA)
 6204 0805 VIG OTC Port Moresby pidgin tfc USB (Trubee-HI)
 NEW ZEALAND:6515.4 0727 ZLW Wellington R. marine tfc USB (Hickman-OR)
 17108 2125 ZLP2 RNZN Irirangi V mkr CW (Thompson-NM)
 17170.5 2246 ZLB6 Awarua CQ mkr CW (Raiford-FL)
 SOLOMON IS.16780 2107 ZHB Honiara Guadalcanal wkg JEHB CW (Raiford-FL)
 TAHITI: 19419.4 1950 FZP94 FTS Papeete YL EE/FF vm LSB (Olsson-CT)

 UNIDENTIFIED

3239.15m 1920 YTD5 clg C5TM CW (Hardester-OKINAWA)
 3947.8m 1811 "K" beacon CW (Hardester-OKINAWA)
 4233.5m 1520 GHS V mkr CW (Hardester-OKINAWA)
 4358m 1620 "K" beacon CW (Hardester-OKINAWA)
 5229a 0950 "W" beacon CW (Chabak-CO)
 5255a 0935 "W" beacon CW (Chabak-CO)
 5323a 0855 "W" beacon CW (Chabak-CO)
 6155m 2014 "Q" beacon CW (Hardester-OKINAWA)
 6334a 0634 "W" beacon CW (Trubee-HI)
 6483 0720 "W" beacon CW (Trubee-HI)
 6309.5a 0232 OKM wkg R. Odessa in Czech & EE CW (Cook-MN)
 6100 1950 Z6Y clg R7A CW (Hauser-TN)
 8918a 2115 J3R V mkr "Q8X 5/11" CW (Olsson-CT)
 8950a 2122 Z2T OM FF wkg net of Z4T, Q2T et al Paris mentioned CW (Olsson-CT)
 10062.4 1740 "K" beacon w/same SINPO as in CA! CW (Hardester-OKINAWA)
 13282.5 1910 ORS clg UHF CW (Cook-MN)
 17490a 2037 DTD36 V-QRA mkr CW (Compton-MA)
 19244 2319 CW04/668 clg ZPE78 (Raiford-FL)

 SHIPS

2112 0122 ATTB "Jalajaya" OM EE wkg VCS Halifax SSB (Carvin-MA)
 2142 0437 NCOK USS "Harry E. Yarnell" tfc to Baltimore (Hauser-TN)
 2150a 0250 USS "Newport" OM EE tfc SSB (Stone-ONT)

2182	0325	NVES GGC "Venturous" OM EE wkg NMQ AM (Hickman-OR)
2166	2340	ELLM "Michael" OM EE wkg WAQ NJ SSB (Carvin-MA)
2182	0050	GUQT "Gypsum King" OM EE wkg VAX Canso SSB (Carvin-MA)
2390	0116	USS "Robert H. McCord" OM EE clg Charleston marine op, QRMING R. Huayacocotla AM (Miklejewski-MN)
2678	0457	NPCR GGC "Dallas" wkg "Rescue" & MNM Portsmouth (Novello)
	0825	NSDT G3C "Shoalwater" wkg CG Key West USB (Chabak-CO)
	0947	NJOR G3C "Gallatin" wkg G3C "Diligence" USB (Chabak-CO)
2716	0919	HMCS "Huron" DDH-281 clg Halifax USB (Chabak-CO)
	1002	USS "Paul" FF-1080 clg Charleston Tug Control AM(Chabak)
	1011	CGJL HMCS "Assiniboine" DDH-234 clg Halifax USB (Chabak)
	1017	NIUZ USS "Sellers" DDG-11 clg Bermuda Navy Control (Chabak)
	1027	USS "Nautilus" SSN-571 wkg Bermuda Navy Control (Chabak)
	1057	NIID USS "Recovery" ARS-43 clg Charleston USB (Chabak-CO)
	1123	USS "Sea Devil" SSN-664 wkg Canaveral Control USB(Chabak)
	1132	"Range Sentinel" NASA ship wkg Canaveral USB (Chabak-CC)
4068.4	0124	USS "Bainbridge" OM EE wkg ICSP4 USB (Hickman-OR)
4124	0050	"Golden Odyssey" off Aruba wkg WOM USB (Cook-MN)
4428.6	0436	H3EI "Monarch Star" OM EE wkg WOM SSB (Compton-MA)
6521.8	0218	NMAG G3C "Hamilton" OM EE wkg NMN USB (Hickman-OR)
	0220	NODV G3C "Spar" OM EE wkg NMA USB (Hickman-OR)
	0500	NRDT G3C "Taney" OM EE wkg NMN USB (Hickman-OR)
	0702	NLPM GGC "Chase" OM EE wkg Portsmouth USB (Chabak-CO)
	0916	NJHR USS "Tacoma" PG-92 wkg Miami USB (Chabak-CO)
	1915	USCG Ocean Wx Sta Hotel 4YH G3C "Taney" wkg NMF(Compton)
8204	1958	GBT "Queen Elizabeth II" OM EE clg Portishead SSB, and clg GKW CW (Raiford-FL)
8204.8	0641	KFPC liner "Mariposa" OM EE wkg KMI USB (Cook-MN)
8236	1951	5LPA OM EE clg Norddeich R. AM & DAJ CW (Raiford-FL)
12424.5	2023	5MDJ OM EE wkg 5LDT & Miami USB (Gauvreau-QUE)
12557	2344	LFYX "Orania" wkg LFI Rogaland CW (Raiford-FL)

AIRCRAFT

5693	0506	Allen Ø2 & Allen Ø3 wkg Boeing Flight Test USB(Hickman)
8998	1912	NLSØ6 OM EE wkg Andrews AFB SSB (Raiford-FL)
9017	2020	FAME 65 & AMBROSE wkg Scott AFB SSB (Raiford-FL)

TACTICAL

4260	0313	ACRYLIC RESIN OM EE wkg COFFEE 2 USB (Cook-MN)
6061.3	1917	"VVV QRA de T5Q" CW (Hauser-TN)
3087a	1000	DUNKIRK NPM Lualualei HI OM EE wkg DJ USB (Chabak-CO)
4623	1005	HOTEL 6 OM EE wkg AW & X9 (USN 2nd Fleet freq) (Chabak)
4725	0502	PONY OM EE wkg BATTLE JACK USB (Cook-MN)
	0622	BRCADLOOM clg POUCH 92 & CHIME 92 USB (Hickman-OR)
6697	2015	IVANHOE COMNAVLANT Norfolk VA tfc USB (Gauvreau-QUE)
6723	1025	DEW POINT OM EE clg GRAY EAGLE USB (Chabak-CO)
6760	0232	ABOUND Foxtrot tfc OM EE USB (Hickman-WA)
	0239	ANGEL'S KISS wkg DOZE 17, BUNDY 5Ø & EDITH 93 USB(Cook)
9252a	0914	GOLF 3 OM EE wkg Lima Quebec (USN?) USB (Chabak-CC)
11181.5	2045	NEWSREEL OM EE wkg LAYER 89 USB (Cook-MN)

"SPY" NUMBERS STATIONS

3062a	0110	YL SS 5-digit groups AM (Novello-NY)
3218	0454	YL GG numbers AM very weak tho DW strong (Hauser-TN)
4575m	0411*	YL SS 5-digit "Atencion 923 Final Final" AM(Novello-NY)
5015a	0401	"Oscar Victor" electronic tones YL GG 5-digit(Hauser-TN)
6780a	0517	YL SS 5-digit same as 7950a but no Havana 0538*(Watts-IN)
7591	0702	"Atencion 800 60" YL 5-digit SS (Hauser-TN)
7950a	0450	"Atencion 611 90" YL SS 5-digit AM-R. Havana in background & off with carrier @ 0512 (Watts-IN) 1/15/77
	0609	Ltrs transposition: 511 72 BT 72 gr msg AR VA CW(Watts)
	0659	511 72 xmsn above repeated 0706* CW (Watts-IN)
8020a	0713	"Atencion 909 35" YL SS 5-digit "Final Final" @ 0717 & ltrs CW in background AM (Watts-IN)
8418a	0028	YL SS 4-digit USB (Gauvreau-QUE) 11/25/76
	0220	YL SS 4-digit USB 11/22 (Cook-MN)
3218.5	2125	YL GG 5-digit AM 3/28/76 (Denissen-HOLLAND)
3258	1940	Chimes, YL GG 5-digit AM Saturday (Denissen-HOLLAND)
3370	1945	YL GG 5-digit AM Saturday (Denissen-HOLLAND)
9050a	0015	YL SS 4-digit over ineffective jammer 1/3 AM(Compton-MA)
9833	2325	YL SS 5-digit, frequent stops AM (Gauvreau-QUE)

QSL REPORTS



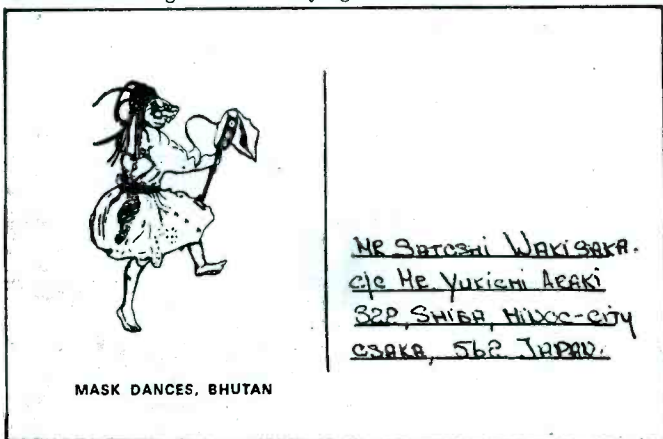
Editor: Bill Cleveland
2441 Fairview Drive
Visalia, Calif. 93277



Verified Countries -- 97

Deadline: 15th of month

Never let it be said that SPEEDX doesn't bring you the rare and hard-to-get stations. Two years ago it was ANTARCTICA, courtesy of Doug Snyder; last year Gib Junqua came thru with ULAN BATOR; and this year Satoshi Wakisaka contributes BHUTAN. Never heard of it, you say? Try your WRTH and there it is--snuggled in between Bangladesh and Brunel. Nice article on Bhutan in the November '76 issue of National Geographic, in case you're interested--check your school or public library or your neighbors for a copy. And next year--who knows. Perhaps Falkland Islands or maybe the Moon. At any rate, Satoshi received both a card and a letter and this one is rare enough to rate the front page. Look at it in envy and start twisting the dials (Gib, now that the Pro Bowl is out of the way maybe you can abandon AFRTS and get back to trying for Bhutan). And HERE IT IS:



Let's get a few questions out of the way. For those who asked, HIC and VIC on your QSL report forms are "Heard individual countries" and "Verified individual countries"--some like to keep score, others couldn't care less. If you want to fill it in, that's OK with me--and if you don't, that's OK too. For Mike Hardester and his problems with Swazi Musicradio, all I can say is keep trying. Past QSLs that have been published (5/73 and 7/75) have been letters and I have one similar to that published in '75. Have never seen a card from them. Ken Eaton asks about the meaning of the letters "PJB" on the face of a QSL from TWR. Sorry I can't help you, Ken--none of mine have it. Ideas, anyone? Guess most of you are familiar with R. Canada's QSL policy--one QSL/year on a do-it-yourself cd that accompanies their Spring program schedule; last years cd was the Olympics cd. And last, thanks to all who contributed their QSLs and an especially hearty "Welcome Aboard" to the 16 first time reporters.

Europe

ALBANIA: R. Peking Relay, 7120, date/fqy "Red Flag Canal" cd in 25d air, no rp (BOWEN NS), date/fqy "Yao Mountains" cd + pin in 38d (HOFFMAN PA)
R. Tirana, 6200, f/d red/white "Revolution" cd in 46d air (GADOUAS VT)
AUSTRIA: ORF, 6155, f/d "with the Landlake Paradise of the Salzkammergut" cd in 46d air, no rp (RAFE NY); 9770, same cd in 43d air (GADOUAS VT), f/d cd "Wien--meeting place in the heart of Europe" in 32d air, no rp (RAFE NY)
BELGIUM: ORU, 6080, f/d blue/white "ORU" logo cd in 30d air, no rp (RAFE NY); 9725, f/d blue/white map and cartoon cd in 28d air for 1 IRC (GADOUAS VT), same + pennant in 68d air for 1 IRC (THOMPSON VA); 11940, blue/white cd w/full data in 41d air for 2 IRCs (ROJEWSKI WA)

...An artist can change the expression on a face with a single stroke of the brush; but then, so could our mothers...

BULGARIA: R. Sofia, 9700, f/d cd "Bachovo Monastery" in 153d registered air for no rp (THOMPSON NM), same in 120d sfc for 1 IRC (SMITH MD), same in 36d air for 2 IRCs (ROMANI MI), f/d cd "Bridge at Nessebur" in 111d sfc, no rp (SMITH FL), f/d cd "Pamporovo--in the Rhodopes" in 205d sfc, no rp (HOFFMAN PA), same in 36d air, no rp (GARNER), f/d cd "Climent of Ohrid University" in 210d air, no rp (REDMAN IL), same, 142d (PIA NY), same in 90d sfc for 1 IRC (SMITH AL), same in 190d sfc + pennant, no rp (PECENKA IN), same in 33d air, no rp (RUDOLPH MD), same in 90d sfc, no rp (RAFE NY), same in 239d air for 2 IRCs (ROJEWSKI WA)

CZECHOSLOVAKIA: R. Prague, 5930, f/d "40th Anniversary" cd stamped "First Day of Issue" in 90d air for 1 IRC (THOMPSON VA), same in 41d air for 3 IRCs (MILLER MA); 7245, 40th Anniversary cd in 32d air, no rp (HOFFMAN PA)

DENMARK: R. Denmark, 15165, f/d "Radiobuse Aerial Tower" cd in 18d air, no rp (JOSEPH MO) same in 14d air, no rp (SELTZER MO), same in 11d air for 1 IRC (HOFFMAN PA)

FINLAND: R. Finland, 15110, f/d "Winter in Finland" cd in 38d air, no rp (SMITH AL), same in 30d, no rp (PECENKA IN), f/d "Autum in Finland" cd in 14d, no rp (SELTZER MO)

FRANCE: R. France International, 15200, f/d cd "Couleurs et Lumiere de France" in 45d air, no rp (ENIZA CA), f/d cd "L'ile de la Cité et la Seine" in 15d air, no rp (HOFFMAN), same in 20d for FF rpt (ARNOLD CA), same + pennant in 42d for 2 IRCs (ROMANI MI); 15425, same cd + pennant in 25d air, no rp (RAFE NY)

GERMANY (Democratic Republic): RBI, 9730, multi-colored cds "Castle Cecilienhot" and "Humboldt University" in 438d air (109d after f/up), no rp (BROOKS CT); 11840, f/d cd "Jean-Etienne Liotard" + pennant (3 rpts required), 55d air, no rp (PRATER OR); 17880, date/fqy "Serie Berlin #5" cd + pennant in 36d air, 1 IRC (HOFFMAN PA)

GERMANY (Federal Republic): Deutsche Welle, 3995, no data logo cd, 30d air, no rp (SMITH FL); 5955, same in 39d air, no rp (SMITH FL); 6040, same in 124d air, no rp (SPENCER OK); 6185, same in 116d air, no rp (PECENKA IN); 9565, "circles" cd in 67d air, (GADOUAS VT); 9650, cd, no desc., in 256d air for JJ rpt (FUKAZAWA JAPAN)

R. Free Europe, 17735, date/meter band multilingual RFE cd in 5d air, no rp (LENTZ PA)

R. Liberty, 15370, f/d cd w/map of Russia, antenna and mike, in 3d sfc, no rp, EE rpt (CABOS W. GERMANY)

GREAT BRITAIN: BBC, 6175, no data "Thames" cd in 61d sfc, 1 IRC (HOFFMAN PA), no data "London Bridge" cd in 30d air, no rp (STONE ONT)

GREECE: VOA (Kavala), 7270, f/d "Bicentennial stamps" cd in 7d sfc (PECENKA IN)

V. of Greece, 9760, f/d ltr in 21d air, no rp (SMITH AL), f/d cd in 30d air, no rp (LORDO SC)

HOLLAND: R. Nederland, 9715, f/d "Eddie Startz" cd in 29d sfc, no rp (ARNOLD CA), f/d "Harry van Gelder" cd in 90d, no rp (GRANONE NM), same in 28d for 1 IRC (BREITUNG IL); 11730, f/d "Happy Station" cd in 30d air, no rp (HOFFMAN PA); 11930, "Harry van Gelder" cd in 23d air, no rp (SMITH FL)

HUNGARY: R. Budapest, 6000, f/d purple cd w/sketch of bldg, 57d sfc, no rp (RAFE NY); 6110, "R. Budapest SW Club" cd w/full data in 13d sfc, no rp, GG rpt (CABOS W. GERMANY); 7215, f/d cd "spiral lines" cd in 35d air, no rp (ARNOLD CA)

ITALY: RAI, 6010, f/d cd "Amore e Psiche" in 308d air for 1 IRC (BAUMGARTNER ONT); 9575, f/d cd, Michelangelo's "Il Giorno" in 77d air, no rp (RAFE NY), f/d cd "La Partenza di Tobiole" in 201d sfc, no rp (PECENKA IN), same in 150d sfc for 1 IRC (SMITH MD), f/d cd "Il Settecento Italiano, No. 3--1972", 290d sfc, no rp (SMITH AL), "painting" cd w/full data in 89d, no rp (GARNER ONT); 11810, "La Partenza" cd in 197d sfc, 2 IRCs (BETHGE MO), "Il Giorno" cd in 123d air for 2 IRCs (HARDING CA)

LUXEMBOURG: R. Luxembourg, 6090, f/d antenna/logo cd in 12d air for 1 IRC (HOFFMAN PA), same in 17d, no rp (NEBRON CA), same in 62d, no rp (RAFE NY), same in 85d for 2 IRCs, (LORDO SC), same in 90d for 1 IRC (PECENKA IN) (All but the first were sfc mail. bc)

MALTA: Deutsche Welle Relay, 6100, no data red cd in 2 mo (DULMAGE ONT), no data multi-colored circles cd in 120d air, no rp (REDMAN IL)

Telernata Corp., 6080, f/d ltr in 45d sfc, no rp and GG rpt (CABOS W. GERMANY)

MONACO: TWR, 7110, f/d orange map cd + pennant in 90d air, no rp (SMITH AL)

NORWAY: R. Norway, 15175, f/d "Winter in Norway" cd in 53d air, no rp (PECENKA IN), f/d cd w/photo of lake and stream, 44d sfc, no rp (RAFE NY), mountain snow scene cd in 19d air, no rp (OLIVER NH), f/d "Romsdal Trolltindene" cd in 45d, no rp (WILLIS PA)

PORTUGAL: R. Portugal, 6025, f/d cd w/painting of YL and Haystack, 18d air, no rp (SELTZER MO), f/d cd w/painting "Pintura de Dordio Gomes" in 26d air, no rp (NOVELLO NY), f/d cd w/painting "Colecao Particular" in 23d air for 2 IRCs (JOSEPH MO); 17880, same cd in 36d air, no rp (SMITH FL)

ROMANIA: R. Bucharest, 5990, f/d cd "UN Square in Bucharest" in 110d air, no rp (SMITH AL) 9570, f/d "Peles Castle" cd in 106d air + pennant, no rp (HOFFMAN PA), 3 f/d cds with scenes of Bucharest in 57-113d air, no rp (GARNER ONT)

SPAIN: RNE, 6065, f/d antennas cd in 20d air, no rp (THOMPSON NM), same in 24d, no rp (THOMPSON NM); 11880, same in 39d air + pennant (GRANONE NM), same in 30d (STONE ONT)

SWEDEN: R. Sweden, 6035, f/d blue map cd + pennant in 40d for 2 IRCs (ROMANI MI), same in 56d air (ARNESON MO); 6120, same cd in 56d for 1 IRC (LORDO SC); 15305, same cd in 64d, no rp (WILLIS PA), same in 25d (TUOMIALHO ONT), same in 93d for 2 IRCs (JOSEPH MO), same in 15d (PECENKA IN), same in 56d (EATON WI), same in 45d for 1 IRC (SELTZER MO)

v/s were Ada Jung, Annette Beijer, and Alice Jenersan

SWITZERLAND: R. Inter-Red Cross, 7210, date/fqy earphone on globe cd in 38d air, no rp (MAYER IL)
 SBC, 6135, date/time cd "Two Bob's" in 82d, no rp (WILLIS PA), f/d Swiss bldgs cd in 90d air, no rp (GRANONE NM); 15140, f/d cd "Arcades in the old town of Berne" in 59d sfc, no rp, f/d cd "Lake of Lucerne" in 23d air for 2 IRCs (YAJKO PA); 15305, f/d cd "The Julian New Year's Eve in Urnäsch" in 68d air, no rp (FUKAZAWA JAPAN)

USSR:

Armenian SSR: R. Yerevan, 12000, f/d small (3½" x 3¼") plain cd in 106d air, no rp (THOMPSON NM)

Byelorussian SSR: R. Moscow, 9655, f/d "Kalinin Prospekt" cd in 45d air (NEBRON CA)

Latvian SSR: R. Riga, 5935, f/d cd as illustrated below, 52d air, no rp, v/s R. Viskere (WHITE FL)



Lithuanian SSR: R. Vilnius, 7355, f/d green/white flower cd + pennant in 177d air, no rp (HOFFMAN PA)

RSFSR: R. Moscow, 5940, 7100, 7110 (Moscow), 7200 (Armavir), 7205 (Armavir), 7250 (Tula) 9730 (Moscow), 15180 (Petropavlovsk-Kamchatsky), 17720 (Petropavlovsk-Kamchatsky). F/d cds in 27-49d air, no rp. "Sputnik Memorial" (MILLER CA)(HOFFMAN PA)(PECENKA IN), "CMEA Bldg" (DULMAGE ONT)(MILLER CA), "Kalinin Prospekt" (MILLER CA)(TSUKAMOTO JAPAN) (WILLIS PA), "Moscow State University" (SMITH MD), "Tall Steel Monument" (SELTZER MO) R. Peace and Progress, 25 mb, f/d gold cd w/Red Square drawing in 34d (SMITH AL)

Ukrainian SSR: R. Kiev, 7150, 7205, 7210, 7215, 7400, 9580, 9780, 12050, 15100. F/d cds in 26-96d. Faces of boy and girl (TALBOT WI), blue/red triangles and circles cd (HOFFMAN PA), "Palace of Culture" cd (NOVELLO NY), "Statue" cd (GRANONE NM), cd w/star-shaped figure for EE/RR rpt (ARNOLD CA), triangles and circles cd (THOMPSON NM), Xmas cds for monitor rpts (MILLER CA), "Institute of Science" cd (PECENKA IN), "Lybid Hotel" cd (MILLER CA)(PRATER OR), "Bogden Khmel'nitsky Square" cd (SMITH AL), "Taras Shevchenko University" cd (SMITH AL), "Near the Monument to Taras Shevchenko" (MILLER CA)(SMITH AL), "Slavutich Hotel" (PRATER OR), "Lesya Ukrainka Square" (SMITH AL)(MILLER CA), "View of Dniiper River" (PRATER OR), "Rusanivka New Residential District" (PRATER OR)(MILLER CA) R. Moscow, 5940 (Vinnitsa), f/d "CMEA Bldg" cd in 38d (HOFFMAN PA)

Uzbek SSR: R. Moscow, 15505, f/d "Moscow State University" cd in 58d, v/s L. Larina (WHITE FL)

R. Tashkent, 6025, f/d map cd in 51d air (RAFE NY)

VATICAN CITY STATE: Vatican R., 5995, f/d cd w/statue of angel on rock in front of cross-shaped antenna, 30d air, no rp (STONE ONT), "Vatican xmtr" cd, no time, 1 IRC (SMITH MD); 9605, f/d antenna cd in 22d, no rp (SELTZER MO), "St. Paul's Cathedral & Antennas" cd in 33d for 2 IRCs (MILLER MA); 9615, "Bcst Stn" cd in 30d for 3 IRCs and JJ rpt (TSUKAMOTO JAPAN)

Africa

ASCENSION ISLAND: BBC Relay, 7105, usual Thames cd in 45d for 2 IRCs (THOMPSON NM); 9600, same cd in 60d for 1 IRC (HOFFMAN PA)

CAMEROON (Fed. Republic): R. Yaounde, 4972.5, f/d green/yellow Cameroon map cd in 56d for 1 IRC (ORR CO)

CHAD (Republic): Rdif. Nationale Tchadienne, 4905, f/d picture cd in 33d air (PETERS KY)

LIBERIA: VOA Relay, 5110, f/d "Capital" cd & ltr re SSB xmsn from Monrovia, 260d sfc (HARDESTER OKINAWA)

MALAGASY (Republic): R. Nederland Relay, 11730, f/d cd of "Tom Meyer and his dog" in 19d air (ALBERTS CA), f/d "Happy Station" cd in 23d air (HOFFMAN PA); 11740, "Harry van Gelder" cd in 15d air (PRATER OR)

MALI (Republic): Rdif. Nationale du Mali, 4783, f/d "regular" cd in 36d air for 2 IRCs and FF rpt (HARDESTER OKINAWA)

MAURITANIA (Islamic Rep.): Rdif. du Mauritanie, 4845, date/time map/flag cd in 53d sfc, no rp, FF rpt (CABOS W. GERMANY), f/d African map cd in 258d air (69d after f/up) for MS and FF rpt (WHITE FL)

MOROCCO: VOA Relay, 7190, f/d "Bicentennial stamps" cd in 15d sfc (SMITH FL); 9760, f/d "Capitol" cd in 6d sfc (PECENKA IN)

NIGERIA: V. of Nigeria, 7275, f/d green/white coat of arms cd in 34d air, no rp (SMITH AL), same cd in 22d for 2 IRCs (returned) (JOSEPH MO)

SEYCHELLES: FEBA, 9510, f/d orange/white map cd in 24d air for 1 IRC, v/s Mary Berry (ORR CO), same in 24d for 2 IRCs (GARNER OMT)

SIERRA LEONE: SLBS, 3316, f/d "Coat of Arms" cd in 21d air (PETERS KY), same in 32d air for 3 IRCs (GROSS VA). v/s for both was Alpha Sesay

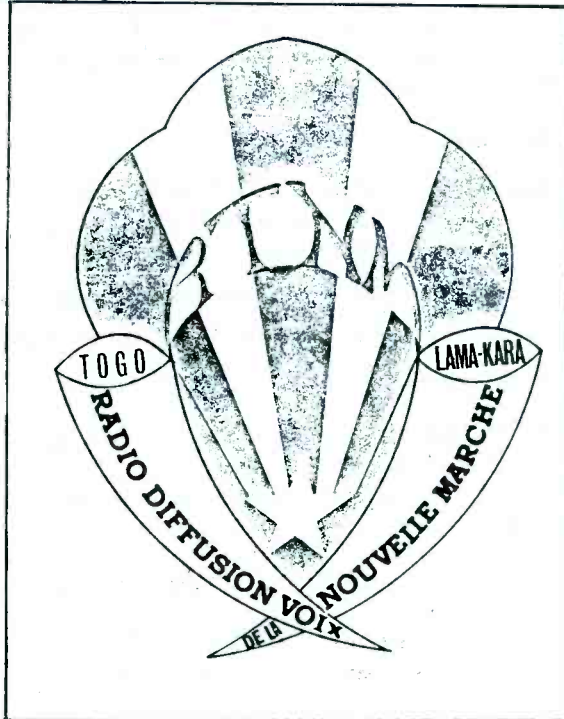
SOMALIA (Dem. Rep.): SBC, 9585, f/d antenna cd in 47d, no rp (PETERS KY)

SOUTH AFRICA: RSA, 5980, 7270, 9585, 11900, 15155, 21535. F/d ods in 20-30d air w/or w/o rp. "Drakensberg" (SMITH FL) (PRATER OR) (SPENCER OK) (PIA NY) (HOFFMAN PA) (MILLER CA) (WORMAN WI), "Tugela Falls" in Royal Natal Park (STONE OMT) (MILLER MA) (JECHENTHAL IL) (BREITUNG IL) (THOMPSON NM) (JOSEPH MO), "White Rhino" (BOWEN NS)

SABC, 4810, f/d multicolor "industries" cd in 25d air + pennant, no rp (RAFE NY), same in 32d (GARNER OMT), same cd in 29d confirming 4810 tho 4835 rptd (MACRIS MO)

TANZANIA: R. Tanzania, 4825, yellow station drum cd in 11 mo air for 1 IRC (WICKETT MD)

TOGO: Rdif. du Togo (Iama-Kara), 3222, cd (see below) in 7 wks for 1 IRC, FF rpt. (Note that this is a different card than that issued for reception of Togblekope--see SPEEDX Dec. 1976, page 43. bc) (SPARKS CA)



UGANDA: R. Uganda, 9730, date/fqy half page form ltr w/data entered by hand, in 25d air for 1 IRC (KLONIZ CA)

Asia

BHUTAN: R. N.Y.A.B., 7040, no data cd and ltr of verification, in 2 mo air for 3 IRCs, registered EE rpt, v/s Mrs. Brigitte Dorji (WAKISAKA JAPAN) see next page bc.

CHINA (People's Republic): R. Peking, 9460, date/fqy "Festival Rejoicings" cd in 95d (GRANONE NM), date/fqy "Beautiful Yao Mountains" cd in 14d (MILLER CA), "Store Grain Everywhere" cd in 19d (MILLER CA), "Red Flag Canal" cd + pin in 20d (MILLER CA);

OFFICE OF THE SECRETARY, RADIO NYAB

RADIO N.Y.A.B.
PO Box No.1,
Thimphu, Bhutan.

No.

Dated : 19th Nov, 1976.

Mr. Satoshi Wakishaka,
C/o Mr. Yukichi Araki,
322 Shiba, Minoo City,
Osaka,
562, Japan.

Dear Satoshi,

Radio National Youth Association of Bhutan
was happy to receive your letter. We have had a lot
of reception reports from your country lately including
yours.

Your report was correct though not as detailed as
we usually expect. Although this, we find you have
caught certain words, which are sufficient proof for
our QSL card. Congratulations !

Our Radio Timings are : -

Sundays	- 13.00 - 13.50 B.S.T. - Dzongkha.
	13.50 - 14.10 B.S.T. - Nepali.
	14.10 - 15.00 B.S.T. - English.
Wednesdays	18.00 - 18.45 B.S.T. - Dzongkha.
	18.45 - 19.00 B.S.T. - English.

Bhutan standard time is GMT + 5 $\frac{1}{2}$ hours.

Try to tune into us again and write to us and tell
us whether the reception quality is on the improve or
deteriorating. We are always happy to hear from our listeners.
Happy listening.

Yours faithfully,

FOA

(Mrs. BRIGITTE DORJI)

CHINA (People's Republic) continued:

11675, "Yao Mountains" cd in 21d + pennant (REDMAN IL), "Store Grain Everywhere" cd in
23d (SMITH FL), "Sacred Chinese painting" in 32d (ARNOLD CA); 11945, "Red Flag Canal"
cd in 27d (ORR CO), "After the Performance" cd in 26d (HOFFMAN PA), "Store Grain Every-
where" cd in 22d (SMITH AL)

CHINA (Republic): VOFC, 15270, f/d cd "Bronze Ceremonial Tripod" in 56d air for 2 IRCs
(BOWEN NS)

INDONESIA: RRI Tanjungkarang, 3395, nice EE ltr in 3 wks for MS and Indo rpt, v/s Syaef
Zainuddin (SPARKS CA) (Must have had some personnel changes Bill, because my letter
received last summer was in Indo. And shouldn't fgy be 3295? bc)

IRAN: V. of Iran, 9022, f/d photo cd of Abadan TV Bldg + pennant in 29d air for 3 IRCs (MILLER MA)
IRAQ: R. Baghdad, 9745, f/d map cd w/photo of Golden Shrines of the Two Imams, 28d air for 1 IRC (RAFE NY)
ISRAEL: IBA, 7412, f/d cd w/bird's eye view of Jerusalem, 40d air, no rp (NOVELLO NY); 9435, same cd in 46d air (PECENKA IN); 9815, same cd in 46d air (THOMPSON NM), f/d cd "Jerusalem, the Golden City" in 43d air for 2 IRCs (MILLER MA), same in 45d air, no rp (BROOKS CT); 11625, bird's eye view of Jerusalem in 69d air, no rp (RUDOLPH AL), f/d cd "Jerusalem, Knesseth Menorah" in 43d air, no rp (MILLER CA), no desc cd in 12d air, no rp (HARDESTER OKINAWA)
JAPAN: R. Japan (NHK), 5990, date/fqy cd "Noh mask of a woman" in 13d air, no rp (CLEVELAND CA); 9505, same in 15d (HARDING CA) and in 19d (GRANONE NM); 11800, same in 17d (YAJKO PA) and in 20d (GARNER ONT); 15105, same in 14d (ARNOLD CA) and in 26d (HOFFMAN PA), f/d "Hakata Doll" cd + pennant in 19d (SELTZER MO) and same cd in 16d (EATON WI); 15195, "Noh Mask" cd in 17d (THOMPSON NM), f/d "Bamboo Garden" cd in 25d (ARNOLD CA); 15300, "Yakko" cd in 30d (PECENKA IN)
 NSB, 6055, f/d blue cd w/constellation Orion (all in JJ) in 16d air for 1 IRC and JJ rpt (ROJEWski WA)
JORDAN: HKBS, 7155, f/d cd "Entrance to the Jerash Churches area" in 35d air for MS (WHITE FL)
KOREA (Democratic People's Rep.): R. Pyongyang, 11780, f/d cd "Students and Children's Palace" in 148d air, no rp, JJ rpt (FUKAZAWA JAPAN)
KOREA (Republic): R. Korea, 7150, time/fqy cd "Miroku Bosatsu" in 76d sfc for 1 IRC, JJ rpt (TSUKAMOTO JAPAN); 9640, f/d cd "Bronze Statue of the Seated Maitreya Buddha" in 30d air, no rp (FAMULARO NJ), same + pennant in 41d air, no rp (ARNOLD CA)
KUWAIT: R. Kuwait, 11845, f/d folder cd w/info on Kuwait, 52d air for 1 IRC (THOMPSON NM) same in 53d air, no rp (LORDO SC)
MALAYSIA: BBC Far East Relay, 9740, Thames cd in 42d sfc (MILLER CA)
PHILIPPINES: FEBC, 11920, f/d cd w/pix of FEBC staff, 27d air (PETERS KY); 15440, f/d yellow/white/red map cd in 50d air for MS (BAUMGARTNER ONT)
 VOA, 9545, f/d "Capitol" cd in 10d sfc (GRANONE NM)
 VOP, 9580, f/d cd "Road to Baguio City", 8d air, no rp (MILLER CA), f/d cd "Mansion House in Baguio City", 10d air, no rp (MILLER CA), plain blue/white/red cd w/full data in 218d sfc (PRATER OR), same in 145d sfc (EMDZA CA)
SAUDI ARABIA: BSKSA, 9730, black/green/white logo cd w/full data in 230d air (registered), 64d after f/up, for 4 IRCs + tape (WHITE FL); 15245, same cd in 129d registered air for no rp, v/s Sadek Fayoumie (GROSS VA)

Thanks to
 Skip
 Gross



الاذاعة العربية السعودية
 SAUDI ARABIAN BROADCASTING

THAILAND: R. Thailand, 9655, f/d cd "The Royal Barge", 173d sfc, 6 IRCs (FUKAZAWA JAPAN)
TURKEY: V. of Turkey, 9515, f/d "Keloglan" cd in 30d air, no rp (RAFE NY); 11880, same in 33d, no rp (GRANONE NM) (HOFFMAN PA)
VIETNAM (Socialist Rep.): V. of Vietnam, 10040, f/d ltr, 232d sfc, JJ rpt (TSUKAMOTO JPN)
 Oceania

AUSTRALIA: ABC Brisbane, 4920, f/d blue map cd in 13d air, 1 IRC (ROJEWski WA)
 ABC Melbourne, 9680, f/d black map cd w/ABC stn locations, 22d air, 1 IRC (ROJEWski WA)
 ABC Perth, 9610, f/d map cd of W. Aust., 16d, no rp (EATON WI) and 20d (GARNER ONT)
 ABC Sydney, 6090, blue/black map cd in 17d air for 2 IRCs (HARDING CA)

AUSTRALIA (continued):

VNG (time and fgy), 7500, f/d form ltr in 19d air, no rp (LENTZ PA), same 29d (SMITH AL)
 R. Australia, 5995, 7240, 7290, 9515, 9570, 9580, 9770, 11780, 11810, 11820, 11825, 11935, 15190, 15320, 15410, 17795. F/d cds, v/s Peter Homfray or P. Koch; 72-178d for no rp, 24-35d for 1 IRC, 18-25d for 2 IRCs. "30th Anniversary ARDXC" cd (FUKAZAWA JPN), "Aboriginal Cave Painting" (HOFFMAN PA), "Blue Wren" (BOWEN NS)(EATON WI)(HOFFMAN PA) (MILLER CA)(NEBRON CA)(SMITH FL)(HARDING CA)(SELTZER MO), "Scarlet-crowned Parakeet" (RAFE NY)(EATON WI)(BOWEN NS)(MILLER CA)(YAJKO PA)(HOFFMAN PA)(SMITH MD)(THOMPSON NM) (SMITH FL)(GRANONE NM)(SPENCER OK), no desc. (FUKAZAWA JAPAN)
 NEW BRIDGES: R. Vila, 3945, f/d "Tam-Tam" cd, 11 mo air for 1 IRC (WAKISAKA JAPAN)
 NEW ZEALAND: R. New Zealand, 9240, "Wellington Cable Car" cd in 54d air, no rp (OLIVER NH) 11780, f/d "Sculptured Arch" cd + pennant in 46d air, no rp (SMITH AL)
 PAPUA NEW GUINEA: R. Eastern Highlands, 2410, ltr in 2 wks for MS, v/s A.R.Nase (SPARKS CA) NBC Port Moresby, 4890, f/d yellow PNG map cd, 23d air for 3 IRCs (TSUKAMOTO JAPAN), same in 20d for 2 IRCs (SELTZER MO), same in 34d, 1 IRC (MACRIS MO), same, 24d for 1 IRC, (ROJEWSKI WA), same 17d for 3 IRCs (JOSEPH MI), 42d, 1 IRC (RAFE NY), 30d (PETERS KY)
 TAHITI: R. Tahiti, 11825, no data cd "Island Girl" 15d air, 3 IRCs (GROSS VA), same in 28d, no rp (FAMULARO NJ); 15170, same in 44d for 1 IRC (ALBERTS CA)

South America

BOLIVIA: R. La Cruz del Sur, 4875, fgy only llama cd + pennant, 129d for 2 IRCs, EE/SS rpt (BAUMGARTNER ONT)
 BRAZIL: R. Brasil Central, 4985, f/d ltr, 35d air for MS, PP rpt (HARDESTER OKINAWA) R. Bandeirantes, 11925, no data "Thank you" cd in PP/GG/EE, 17d, PP rpt, MS (ORR CO) R. Nac. de Brasilia, 15245, f/d "Seasons Greetings" cd, 57d, no rp (ORR CO), same in 43d no rp (KLONTZ CA), f/d "Bethlehem Scene" cd in 30d for PP rpt, 1 IRC (MACRIS MO), f/d "National Congress" cd in 40d air, no rp (SMITH AL), f/d "Copacabana Beach" cd in 55d air, no rp (EATON WI); 15425 (?), "National Congress" cd, 30d, no rp (NOVELLO NY)
 CHILE: R. Minería, 9750, date only SS/EE form ltr, 21d for 2 IRCs (GROSS VA)
 COLOMBIA: R. Santa Fe, 4965, no data "Pottery" cd, 49d sfc, no rp (OLIVER NH)
 ECUADOR: Em. Gran Colombia, 4910, no data ltr w/veri statement + pennant in 21d air for MS and SS rpt, v/s Eduardo Cevallos (MAYER IL)
 HCJB, 6095, 2560, 15115, 15300. F/d cds in 26d for no rp, 10-43d for MS, 40-60d for 2 IRCs; v/s Sam Rowley. "Bread Dough Clown" (BLESSING MN)(ONKEN IL), "Bread Dough Llama" (GRANONE NM), "Bread Doll" (ROMANI MI), "Album Series #5" (SMITH FL)
 GALAPAGOS: LV de Galapagos, 4810, fgy only ltr + pennant, 128d, 1 IRC, SS rpt (KLONTZ CA)
 GUYANA (French): FR3, 3385, fgy only cd, no desc., 255d air for MS, FF rpt (HARDESTER)
 URUGUAY: R. El Espectador, 11835, f/d white cd, 29d sfc, SS rpt, no rp (FAMULARO NJ)
 VENEZUELA: R. Bolívar, 4770, SS ltr in 38 wks air for SPEEDX form, 1 IRC (WICKETT MD)
 R. Juventud, 4900, date/fgy cd w/dancing teenagers, 43d for SS rpt, 1 IRC (ORR CO), same in 60d for SS rpt and 1 IRC (PRATER OR)
 Ecos del Torbes, 4980, no data "Thank you" cd + pennant, 83d sfc for 1 IRC, SS rpt (PRATER OR), same in 200d air, SS rpt, no rp (STONE ONT), same in 45d, SS rpt (MACRIS MO)
 R. Continente, 5030, no data SS form ltr w/veri statement, 80d, 2 IRCs (ORR CO)
 R. Nacional, 15390, date only ltr, 53d air, no rp (GARNER ONT)

North America

ANTIGUA: BBC Relay, 6175, Thames cd in 41d (SPENCER OK), same in 42d (ALBERTS CA); 6195, "Tower Bridge" cd in 95d (NEBRON CA), same in 71d (GARNER ONT)
 Deutsche Welle Relay, 6040, no data circles cd in 39d (GARNER ONT), same in 60d (MAYER IL)
 BELIZE: R. Belize, 3300, f/d yellow map cd in 14d (REDMAN IL), same in 40d (SMITH AL)
 CANADA: CBC Northern Svc, 9625, "Eskimo" cd, no time (SMITH MD), f/d "Polar Bear" cd in 12d (ARNOLD CA)
 CFCF Montreal, 6005, date/fgy photo cd of CFCF Bldg, 11d sfc, no rp (NOVELLO NY)
 CFRX Toronto, 6070, f/d "Carnival" cd in 13d (LORDO SC), same in 14d (NOVELLO NY)
 CHU (time and fgy), 3335, fgy only "Sir Stanford Flemming" cd, 14d (GADOUAS VT)
 CKZN St. John's, 6160, date/fgy blue CBC cd, 21d for MS (BOWEN NS)
 HCTI, 6135, "Olympics" cd in 36d sfc (HOFFMAN PA); 9650, same in 45d sfc (PECENKA IN)
 COSTA RICA: R. Reloj, 4832, f/d cd in 20d air for MS (SMITH AL), same cd in 120d air for 1 IRC (THOMPSON VA), same in 295d air for 2 IRCs, SS rpt (BOWEN NS)
 CUBA: R. Habana, 9685, f/d logo cd in 38d air (THOMPSON NM); 11930, logo cd in 105d (ROMANI MI), same in 110d (RAFE NY); 17885, same in 63d (CABOS W. GERMANY)
 DOMINICAN REPUBLIC: LV de las Fuerzas Armadas, 4825, date/fgy SS ltr w/veri statement + no data QSL cd, 40d air, no rp, SS rpt, v/s Fidel Teodoro Baez Berg (REDMAN IL)
 GUATEMALA: R. Cultural, 3300, date/fgy "Quetzal" cd, 30d air, SS rpt, 1 IRC (MACRIS MO), same in 28d for 1 IRC (PECENKA IN)
 R. Maya de Barillas, 3325, date/time "Indian Warrior" cd, 18d for 2 IRCs (THOMPSON NM)
 HAITI: R. 4VEH, 9770, f/d "Haitian Girl" cd in 92d sfc, 1 IRC (THOMPSON VA)
 HONDURAS: HRVC, 4820, f/d red/white/blue map cd, 70d air for 1 IRC (ARNESON MO)
 MEXICO: R. Universidad de Sonora, 6115, no data cd w/veri, 30d for SS rpt (FAMULARO NJ)
 R. Mexico, 9705, f/d form ltr, 310d sfc, SS rpt and MS (SOMERS CA), same 342d (GARNER) + a bunch of rpts from Neth. Antilles and USA. No takers on the sign this month, so same one -- TEGENLIGGERS -- again; frequently reported stn, common language. 1/16/77

73's, Bill

Tips and Topics

The Feature Section of SPEEDX

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

VOICE OF AMERICA RELAY BASES - PART-I

By Adrian M. Peterson

The Voice of America has used a total of nearly 50 different relay bases during its history of 34 years which began in 1942.

The first international broadcast from OWI-VOA took place just 79 days after Pearl Harbor, and the stations used for that historic broadcast were SW transmitter bases operated by various commercial companies in the USA. The first broadcasts were under the direction of OWI (Office of War Information), and were composed of what we would now call VOA and AFRTS programs.

In the earlier days, it was difficult to know whether the temporary US radio outlets in North Africa and Europe were actually operated for VOA or AFRTS. However, as time went on, and with the Division into clear lines of responsibility, the VOA stations became clearly differentiated from AFRTS stations.

VOA is currently operating 12 major bases of its own and using the facilities of 2 more. Several lesser bases are also currently operated by VOA. 10 larger VOA bases are now closed, and several smaller outlets are also silent.

Transmitter call signs were used in the earlier days, but those were eliminated in the late 1950's.

One by one, and continent by continent, lets take a close look at the massive electronic outreach of VOA.

EASTERN USA - SHORTWAVE

Scituate Massachusetts

VOA Scituate in Massachusetts has a very long and distinguished story. This radio relay base traces its historic beginnings to the station which first went on the air on October 15, 1927 from New York City. It had an output of 500 watts on 9700 kHz. According to the book, "Famous First Facts USA," this was the first international broadcasting station to be licensed in the States. It was begun by Walter Semmons as a business enterprise, whereas other SW outlets in the USA were at first experimental.

In 1929, this SW station was removed to Boston, where it became known as WLXAL. In the mid-1930's this station was transmitting on three different frequencies, 15250, 11790 and 6040 kHz. WLXAL was a 20 KW transmitter, and a sister outlet WIXAR, was also rated at 20 KW.

At the onset of the international emergency in September 1939 WIXAL became WSLA and WIXAR became WSLR. However within a few weeks, the call signs were changed again, this time to WRUL and WRUW. These were the two outlets taken into service by OWI, on November 1, 1942, when all SW outlets in the USA were taken over.

In May, 1943, two additional 50 KW transmitters were installed at the Scituate relay base, and these were designated WRUS and WRUA. There was also an additional 7KW utility transmitter (later increased to 80 KW) with the call WRUX, which was used for morse traffic to the VOA base at Algiers. In 1951, all 4 transmitters at Scituate were re-allocated the general call WRUL, followed by the numbers 1 - 4, and continued in service with

the VOA until the end of 1962. At this time, the twin base at Greenville, NC, was commissioned, and Scituate was handed back to its owners, World Wide Broadcasting Foundation, who used it for commercial programming.

Some time later, a fire destroyed the 4 original VOA transmitters, and 4 new transmitters, 2 at 100 KW and 2 at 50 KW were installed at Scituate. When the Mormon Church bought the WRUL complex, they changed the callsign to WNYW, New York Worldwide. It was at the end of the Mormon ownership, that I visited WNYW, and saw the 2 Gates and 2 Continental transmitters.

The Mormons sold WNYW to Family Radio Stations, and once again a new callsign was allocated to the complex of transmitters at Scituate. On October 24, 1974, WNYW became WYFR, Your Family Radio. During 1974, an additional 100 KW transmitter was installed at Scituate.

Today, Scituate with its 5 SW transmitters is no longer a VOA relay base. However, it does have the double distinction of being the oldest SW broadcaster in the USA, as well as being the largest private broadcasting service on SW in the STATES.

Transmitter designations during the 50 years of service have been:

W1XAL	WSLA	WRUL	WRUL 1	WRUL	WNYW	WYFR
W1XAR	WSLR	WRUW	WRUL 2			
			WRUL 3			
		WRUS	WRUL 4			
		WRUA	WRUL 5			
		WRUX				

Hull Massachusetts

Back in 1937 Westinghouse established a 10 KW SW transmitter at Hull Massachusetts which was designated as W1XK. This callsign was in line with the famous KDKA experimental call on SW, W8XK.

In September 1939 W1XK became WBOS, with the call letters signifying Boston. Soon afterwards a 50 KW transmitter was installed and this was the outlet taken over for OWI-VOA programming in November 1942. The frequency generally used was 15210 kHz.

At the end of 1939 W8XK-WPIT operated by KDKA in Pittsburg Pennsylvania, was consolidated at Hull with WBOS.

WBOS 50 KW continued in service with VOA until the mid-1950's when it was retired, after nearly 20 years of broadcasting.

Transmitter designations have been simply W1XK WBOS.

Schenactady

In the late 1920's General Electric established two SW transmitters at Schenactady, in association with the MW outlet WGY. These were designated by the experimental calls, W2XAD and W2XAF.

In the September 1939 shuffle of callsigns, W2XAD 25 KW became WGEA, and W2XAF 100 KW became WGEU. However, a few weeks later, the call of WGEU was changed to WGEO.

In the 1942 take over of all SW outlets in the USA, WGEA and WGEO both joined the VOA network, and the 25 KW additional outlet WGEU was installed the following year.

In the 1951 consolidation of callsigns, all three outlets were designated with the WGEO call followed by a number.

After some 32 years on-air service, (20 years with OWI-VOA) the Schenactady SW base was retired when VOA Greenville took to the air in 1962.

The transmitter designations during these 32 years of broadcasting have been:

W2XAD	50 KW	WGEA	WGEA	WGEC 2	WGEO
W2XAF	100 KW	WGEU	WGEO	WGEO 1	
	25 KW		WGEX	WGEO 3	

Wayne, New Jersey

This VOA relay base also had historic beginnings in the late 1920's, when W2XE, owned by WABC was established. This was originally a 10 KW transmitter located at Wayne, NJ, and operated from studios in New York City.

In the initial September 1939 callsign allocation, W2XE received no new designation, but a few weeks later, the call WCBX was given, designating its CBS ownership.

This single transmitter was incorporated into the OWI-VOA network in 1942, and in 1943, two 50 KW transmitters replaced the 10 KW. These two transmitters were designated as WUOC and WUOW. Later, these callsigns were changed to WABC 5 and WABC 6, and a few years later again to WDSI 5 and WDSI 6. (WABC 1 - 4 and WDSI 1 - 4 were located at the other CBS relay base, Brentwood).

The old 10 KW WCBX was removed, overhauled and taken to Algiers to form part of the VOA transmitter complex in 1943.

The Wayne SW base expired in 1962 after a total of nearly 40 years on-air service, when VOA Greenville was commissioned.

The callsigns used have been:

W2XE	WCBX	WUOC	WABC 5	WDSI 5	WDSI
		WUOW	WABC 6	WDSI 6	

Brentwood

The previously mentioned VOA relay bases which were established before World War II all began as independent SW stations. However the VOA relay base at Brentwood, Long Island was established by CBS specifically for VOA-CWI programming.

Brentwood began broadcast service in 1943, under CBS contract. The first callsigns were WCRG 50 KW, WCBX 50 KW (this call was relinquished from the Wayne base when the 10 KW transmitter was taken to Algiers) and WCDA 10 KW. Later, another 50 KW WCRW was added, and the call of WCRG was amended to WABC.

In the 1951 callsign re-shuffle, all transmitters were designated with the call WABC, and then a few years later again they were assigned the call WDSI.

These stations left the air in 1962, after 20 years of service, when VOA Greenville was commissioned.

The callsign allocations were as follows:

WCRG	50 KW	WABC	WABC 1	WDSI 1	WDSI
	50 KW	WCBX	WABC 2	WDSI 2	
	50 KW	WCRW	WABC 3	WDSI 3	
	10 KW	WCDA	WABC 4	WDSI 4	

Greenville A and B, North Carolina

The twin sister radio relay bases known as Greenville A and B were specifically designed and constructed for VOA usage. They are located 23 miles apart, near Greenville, NC. Work began on these sites in 1960, and the first broadcast was made on December 7, 1962.

Each location, Greenville A and Greenville B, contains the following transmitters:

500 KW	3 Broadcast	Total 6
250 KW	3 Broadcast	Total 6

4

50 KW	3 Communications	Total 6
40 KW	2 Communications	Total 4

The Greenville relay bases feed programs to Europe, Africa, and the Middle East, and direct coverage to Latin America.

No callsigns were ever allocated to Greenville, and these two electronic giants replaced the older VOA relay bases at Scituate, Schenactady, Wayne, and Brentwood

Bound Brook, New Jersey

This transmitter site was the location of a complex of broadcasters, which began in the late 1920's with the installation of W3XL. This was a 50 KW outlet, which was later joined by W3XAL of 35 KW.

In the 1939 issue of regular callsigns, W3XL became WRBI and W3XAL became WRCA.

In 1942, for the commencement of OWI programming, the two transmitters at Boundbrook were taken over, and by this time they were rated at 50 KW each. This location was operated by NBC-RCA, and the several changes in callsigns reflected its ownership. An additional 3 transmitters of 50 KW were installed in 1943, and these were designated as WNRA, WNRI, and WNRA. WNRE at 50 KW was added a few years later.

In 1951 all calls were changed to WRCA, and again a few years later to WBOU, reminiscent of the old WBOS in Hull.

Bound Brook was retired after more than 40 years service, when VOA Bethany was commissioned.

Callsign changes have been as follows:

W3XL	50 KW	WNBI	100 KW	WRCA	5	50 KW	WBOU	5	50 KW	WBOU
W3XAL	50 KW	WRCA	100 KW	WRCA	6	50 KW	WBOU	6	50 KW	WBOU
		WNRA	50 KW	WRCA	1	50 KW	WBOU	1	50 KW	WBOU
		WNRE	50 KW	WRCA	4	50 KW	WBOU	4	50 KW	WBOU
		WNRI	50 KW	WRCA	2	50 KW	WBOU	2	50 KW	WBOU
		WNRX	50 KW	WRCA	3	50 KW	WBOU	3	50 KW	WBOU

(This is the first of an eight part series devoted to the history of VOA relay stations. Adrian M. Peterson is Director of Adventist World Radio - Asia, and Producer of the SLBC DX Program - "Radio Monitors International.")

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ANOTHER SWL SERVICE BITES THE DUST. . .by Greg Caliri. . .A few days ago I found my copy of London Calling, BBC's detailed monthly program schedule, in the mailbox as usual. It had been sent to me, post-free, for the last four years, but BBC announced in an enclosed leaflet that beginning in April 1977, I would have to forward \$10 annually to remain on the mailing list. This comes to 83¢ a copy--quite a large price.

Of course, the UK has hit upon hard times, and economics dictates that some cutbacks are mandatory in these times of hardship. But, BBC has chosen to eliminate forwarding its program schedule to listeners abroad (it would be safe to assume that the ten-dollar fee will turn off London Calling's circulation in a short period of time) while building and leasing more superpower transmitters to further bombard all corners of the earth with its signals.

It seems that Bush House has not made cutbacks in spending money, rather, they have shifted finances from the public relations realm and diverted them toward their further escalation of the kilowatt war. I hope that programming will not eventually suffer; but, certainly listeners will no longer go out of their way to listen to special or particular programming, especially when they are unaware of it.

This also bears out the value of subscriptions to club bulletins--consider that SPEEDX costs only \$2 more than London Calling!!!

That's it for another month. Have a pleasant February. I remain, *Arthur*

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* An extra credit added due to being missed last month.
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 UMDXC = University of Manitoba DX Club, loggings submitted by 8 members.
 A big hearty welcome to 16 first time reporters this month, no room to list the names. Many loggings reported this month, but only 120 reporters, but we certainly do welcome you.---See you in March---Ollie

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