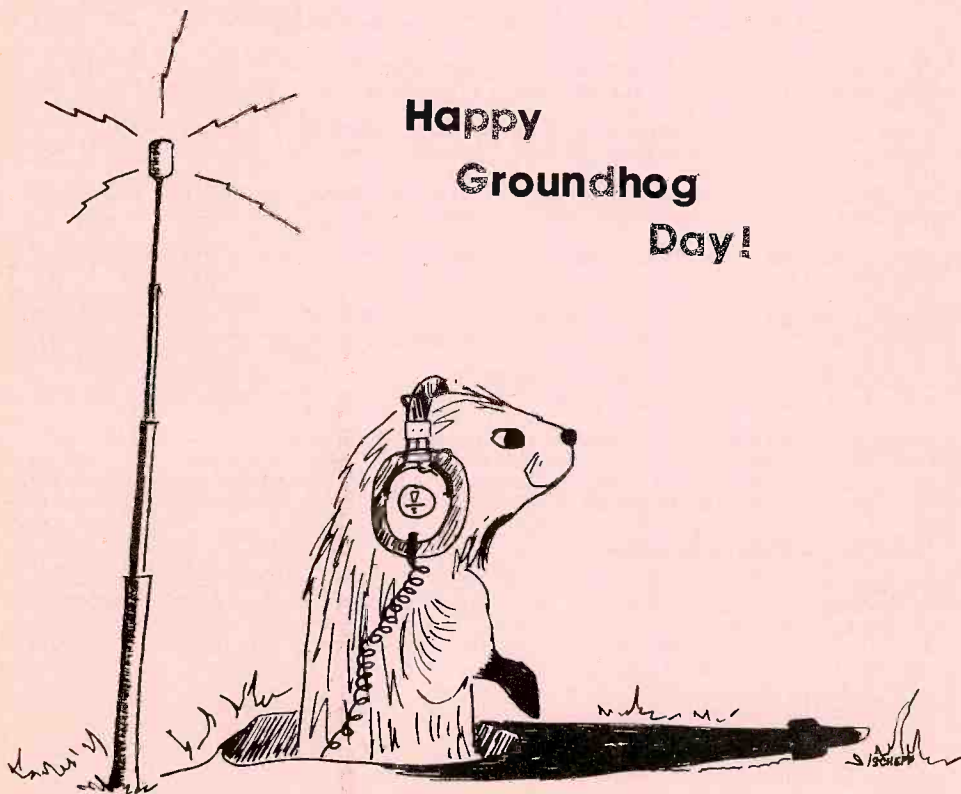


# SPEED X

*the dx radio magazine  
for active shortwave listeners*

**Happy  
Groundhog  
Day!**



february 1980

vol x no 11



# KEYNOTES



Editor: OLIVER ELLSWORTH

2043 West 75th Street, Los Angeles, California 90047

NO PHONE CALLS PLEASE---DUE TO A THROAT OPERATION, I AM UNABLE TO TALK.

## CONGRATULATIONS TO 10 NEW FULL MEMBERS

STEVE CALVER LONDON, ENGLAND	ALLEN BRATLIE ST. PAUL, MN	BOB COOMLER OJIA, CA	LARRY CUNNINGHAM COLUMBUS, OH
DUNCAN DUNN ANAHEIM, CA	KEVIN LIPPMANN SEMINOLE, FL	PHILLIP NOLDEN RIDGEFIELD, CT	WILLIAM KNEASKERN AUBURN, NY
RICHARD RAY VANDERGRIFT, PA	KIRK TRUMMEL LANE, IL		

Certificates of Full Membership and a copy of the SPEEDX constitution were mailed to each of the above in January 1980.

## SPEEDX WELCOMES THE FOLLOWING NEW ASSOCIATE MEMBERS

HILDA WILSON LONG BEACH, CA	TOM MONTEVERDE NEW ORLEANS, LA	TOM MESSER MILWAUKEE, WI	WILLIAM OLIVER WEST MILFORD, NJ
MICHAEL LENAHA DETROIT, MI	LOUISE WALKER ASHEBORO, NC	JOSEPH DUNNIGAN TOLUCA LAKE, CA	PHILIP MAAG INDIAN WELLS, CA
GUY SUEOKA HONOLULA, HI	JOHN VOGELMAN TONAWANDA, NY	WILLIAM SCHAAP WASHINGTON, DC	STEPHEN PETERSON RACINE, WI
ALLEN GRIFFITH WESTGATE, IA	DENNIS TABOR CICERO, IL	JAMES MANN GREEN POND, NJ	HOWARD SCHWARTZ PHILADELPHIA, PA
BOBBY DUNNIGAN BOONE, NC	CHARLES GIFFORD DAYTON, OH	WILLIAM NIBLER BIRMINGHAM, AL	DONALD GODFREY HAMILTON, CANADA
LUCILLE MOSS LOS ANGELES, CA	J.ROLAND DESROSNIERS CHICOPEE, MA	LARRY COHEN WYOMISSING HILLS, PA	

Welcome to SPEEDX! 23 new members, plus a number of returnees not listed here have joined a club of active DXers. We ask you to support the various sections of SPEEDX, and take advantage of the incentive program, and become full members. We in return will try to enhance your listening and DXing.

## CENTRAL DISTRIBUTION EDITOR

Bob Zilmer, P.O. Box 697, Milwaukee, WI 53201, is our CDE for those that wish to mail their loggings to one point for distribution to the various editors. Bob's deadline is the 7th of the month, whereas the editors deadline is the 12th of the month. Time is the essence, therefore it is important to meet these deadlines.

## SPEEDX COVER DESIGNS

We encourage any of you with a little artistic ability to prepare SPEEDX cover designs. Keep in mind that a SPEEDX page prior to printing reduction is 13¼ by 8½ inches. Therefore the design should be large enough to provide for reduction. Leave at least 3½ inches at the top of the page, and 1½ inches at the bottom of the page for our SPEEDX caption and other identifications, that our publisher will attach to your finished page. The side margins should be approximately ¾ inches wide. Use black ink on white bond paper.

All designs are to be sent to John Trautschold, W174 N9459 Devonwood Road, Menomonee Falls, WI 53051.

Credit points will be given for all designs used.

# PROGRAM

FEBRUARY 1980

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

# PANORAMA

AUSTRALIA... (Paul Brewer, TN): "A new item is to be added to the "Short-wave Endangered Species List"--the Radio Australia QSL card. According to a CLUB FORUM announcement, QSL cards in 1980 and subsequent years will only be issued for one month in the year. Also, the Radio Australia Listeners Club has been discontinued. I personally think that QSL cards are the repayment for listeners reception reports. Stations that cancel or limit QSLs are looking for a quick way to cut the budget. Reception reports are worth very much to stations, and when listeners find out that there are no more QSLs, they won't send reports. Without reports, bad frequencies might be chosen and the station would never know." (Comment by Editor WS): "While I don't want this column to become a forum for a discussion of the merits of QSL cards, some comment should be made concerning the change in QSL policies and the relationship of programming to the changes. In recent years, we have seen most Western broadcasters change their policy of issuing QSLs, or verifications. The reasons given for the curtailment are many and varied, but two common reasons keep popping up--budget restrictions and increased mail volume. Another reason--cooperative monitoring among stations--is not mentioned frequently, but it is probably a significant reason. Anyway, with the budget limitations and increased mail flow, either additional personnel had to be hired to handle the increased QSL requests or a curtailment of issuing verifications had to be implemented. If additional personnel were hired to issue QSLs, something would have to give elsewhere--either in the programming or the technical area. Don't get me wrong--I like QSL cards as much as anyone and I collect them--but given the choice of cutbacks in QSLs or program quality and/or quantity, I would rather the money be spent for programs. Also, most broadcasters have not cut QSLs out completely. Nearly all stations value contact with their listeners; they are interested in knowing how well the station is heard and how much listeners like or dislike their programming. Unfortunately, personal contact is rare these days because there are more listeners writing in than ever before. In the case of Radio Australia, they are now receiving huge amounts of mail from China and Japan daily. SWL hobbyists have often expressed a desire for more people to get into the hobby. Now that there are more listeners, the hobby faces changes in programming and QSL policies on a continuing basis. If you don't like what a station is doing, write and protest."



CANADA... Listeners in North America have the opportunity to listen to English language programming from Radio Canada International beamed to Europe and Africa. The African Service at 1800 and 1900 GMT and the European Service at 1900 and 2000 GMT daily are scheduled at a time when it is early evening across the Atlantic. However, it is early afternoon in North America and many people go home for lunch. If YOU do, you can listen to excellent programming from RCI over lunch. I like 15260 kHz for the African Service and 15325 kHz for the European Service. Tune in for some informative and interesting programming, no matter where you live or what time it is! (Woody Seymour, Jr., NC)

FINLAND... Radio Finland broadcasts Finnish literature approximately every other Saturday/Sunday. I had never listened to one of their presentations before "The Last Days of the Year", heard in late December. The production was well-done, and I can recommend RF's literature programs. For further info, write RF at Box 95, Helsinki 25. Ask for their program schedule. (Woody Seymour, Jr., NC)

GERMANY(FED. REF.)...During Radio Deutsche Welle's MAILBAG program on Sunday night, December 9, a listener asked why DW's North American Service in English was only 20 minutes per day. The answer given was the standard DW answer of "extensive media available in North America", but there was an additional comment made that the current Director General of DW(who made the NA time policy) would be retiring in March 1980 and if any listeners in North America wanted more time for English, they should write in after March and make their wishes known. It is hoped that a large show of support will make a favorable impression on the new Director General. (Woody Seymour, Jr., NC)



GREAT BRITAIN...Some highlights of BBC World Service programs for February: HAUNTED is a series of supernatural stories which begins on February 12. Tune in Tuesdays @ 1715 & 2330 or Wednesdays @ 1215 for these plays...SMASH OF THE DAY features an episode of well-known BBC comedy series each week. This month, the following will be heard: THE MEN FROM THE MINISTRY, THE NAVY LARK, ROUND THE HORNE AND HANCOCK'S HALF-HOUR. Tune in Tuesdays @ 1215 GMT, Thursdays @ 0630 GMT or Fridays @ 2030 GMT for vintage BBC comedy...IN THE MINORITY is a series of four programs which look at these minority groups--Indians of Amazonia, Eskimos of the Arctic Circle, Burakumin of Japan and Kurds of the Middle East. Tune in Saturdays @ 0815 GMT, Mondays @ 0315 GMT or Tuesdays @ 1615 GMT for these looks at minority peoples. (London Calling, 2/1980)

GUATEMALA...TGNA, Radio Cultural, has the following English schedule: Tuesday-Sunday 0300 GMT--BACK TO THE BIBLE; Tuesday-Saturday 0330 GMT--THRU THE BIBLE; 0330 GMT Sun--QUESTIONS & ANSWERS; 0330 GMT Mon--MUSIC IN THE POST MERIDIAN; 0400 GMT--(Days are GMT time) Mon ON THE MOVE; Tue HERITAGE; Wed MOODY PRESENTS; Thu NEW LIFE; Fri FIRST BAPTIST CHURCH; Sat SONGS IN THE NIGHT; Sun DR. BARNHOUSE & THE BIBLE. English signoff is at 0430 GMT daily. There's English most of Sunday evenings (Mondays GMT), but that's for next month. (Ted Ossege, OH)

JAPAN...(David M. Piszczek, NY):"One of my favorite stations is Radio Japan. This is for several reasons, including the concise news reporting, good music, quick replies to mail and mainly good programs. ONE IN A HUNDRED MILLION is presented on Mondays and the show picks any Japanese citizen, either a common person or somebody who is well-known, and examines their life in Japan. A SKETCH OF JAPAN examines the traditions, culture, environment, etc. of Japan on Tuesdays. Try 17825 & 15270 @ 2345 GMT or 21640, 17825, 17725 or 15325 @ 0130 GMT for these programs."

PHILIPPINES...The FEBC has GOOD MORNING FROM MANILA on 21515 kHz from 2300-0200 GMT Monday to Friday. It has "items to help you get up and about", only it happens to be late evening in the US-hi. Included in the program in news, music, items about the Philippines and religious programs. (A. Newton, GA)

SEYCHELLES...FEBA to East Africa in the 25 meter band from 0405-0450 GMT daily in English: 0405 each day--Sun COME ALIVE, Mon HYMN TIME, Tue STORY TELLER, Wed PERSONALLY SPEAKING, Thu A STORY FOR YOU, Fri A VISIT WITH MRS. G, Sat THE HOBBY OF KINGS; at 0420, you can hear the following: Sun CHRIST'S THE ANSWER, Mon-Fri RADIO TODAY, Sat SHOWTIME. (Wesley Carroll, LA) More FEBA English info next month!

SOUTH AFRICA...Radio RSA's phone-in show on New Year's Eve was a disappointment this year. In a format change, they accepted calls in all languages. Unless you were fluent in several languages, it was a boring program. I didn't listen long. (Woody Seymour, Jr., NC)

SWEDEN...Radio Sweden has a STAMP CORNER scheduled for their Monday English broadcasts. (Don Godfrey, ONT)(Is it still on?--Editor)

THANKS...to those who voted for me in the recent SPEEDX Board of Directors election. I appreciate the support. Congratulations to Vera, Chris and Sandy. Let's all work together to make the best SWL hobby club even better! ~~Woody~~...Next month, we'll have some items from the USSR. If your contribution was not printed this month, it will be included in next month's column. Thanks for the good support and may your February be chock full of good listening! *Woody* 1/19/80



## PHYSICIANS' RADIO NETWORK

The response has been tremendous in regards to the PRN article/question that appeared in the January issue. On behalf of Bob Fraser, we will say thanks by publishing some of the comments.

### SUB-CARRIERS

By Steve Gelfand, New York

In the January 1980 issue, Robert Fraser asked some interesting questions about the Physicians' Radio Network (Keynote section). It involves a little known area of broadcasting known as Subsidiary Carrier Authority (SCA).

An FM station can broadcast two separate sub-carriers in addition to their regular programming by feeding a signal from an SCA transmitter into the normal FM signal. The usual frequency of operation is 68 kHz, with 47 kHz used for the second SCA signal. Permission to broadcast SCA is granted by the FCC and is regulated in much the same way as regular stations. At WEVD-FM, New York, where I worked for several years, we broadcast two sub-carriers PRN (Physicians' Radio Network) and a Chinese language program. An FM stereo station can operate only one SCA because it must use one of its sub-carrier channels to broadcast a signal which activates the stereo indicator light on receivers. Although the FM signal is diminished a bit with each SCA broadcast, the listener usually cannot tell any difference. The SCA is received by a special radio pre-tuned to the carrying station. The receiver is usually rented to a business (as with Muzak services) or sold directly to individuals (as for specialty and foreign language programs).

Sub-carriers usually have nothing to do with the mother station as far as programming. SCA programs come in to the FM station via land lines and are automatically sent out. Naturally the company that runs the SCA programming pays for the privilege of using an FM station (and it is usually lucrative for the station since it does nothing but install a bit of new equipment). PRN broadcasts 24 hours a day, but there is only one program daily. That program is an hour in length and it is repeated throughout the 24 hours. The theory behind this is that a doctor will be able to listen to a few minutes here and a few minutes there and eventually catch the entire hour. The actual programs are taped at PRN studios at one Gulf & Western Plaza, New York. Their programming is quite interesting, with reports from correspondents and commercials for drug companies (paid announcements and noted on the carrier station's program logs). PRN even had Bob and Ray on for a time. Each day they did a different comedy routine geared towards doctors.

In New York City, at last count, there were four SCAs: two music, one Greek and PRN. I believe that in Boston and elsewhere there is an SCA service for the blind which features book readings. Lafayette and others sell SCA converters which you build and attach to an FM receiver. These are sold for non-commercial purposes only and cannot be used by a store or restaurant to avoid subscribing to a "piped-in" music service. The converter I had worked quite well for a while before it conked out. I've never been able to find anything wrong with it and even changed the IC to no avail.

I hope I was able to answer some questions about PRN and SCA, and while you won't be able to hear any DX, the sub-carrier offers the listener a little-known "hidden" world of radio.

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Nick Lombardi, Atlanta GA, along with his comments forwarded XEROX copies of pages from the FM Atlas, which is available from FM Atlas Publishing Co. P.O. Box 24, Adolph, MN 55701 for \$4.50. Not only did the pages include an interesting article, "SCA Radio's Great Unexploited Frontier", but also included SCA transmitter sites. Nick advises that FM Atlas offers SCA adapters for sale and has a monthly column in the Worldwide TV-FM DX Association digest, wherein SCA activities and changes are discussed.

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Armand Di Filippo, Philadelphia, PA forwards a copy of the McMartin, price schedule. McMartin Industries Inc. 4500 S 76th St. Omaha, NE 68127, advises Armand, "Please keep in mind that SCA is a private channel and it will be necessary for us to have a letter of authorization from the radio station from the leasor of the channel before we could make shipment." Armand's letter covers the same information as does Steve Gelfand, however he does point out that SCA's are private transmissions, like Utilities on shortwave. What is heard is not broadcast material. Sec 605 Federal Communication Act.

E. D. Bair, World Listening Service, NJ offers the following information regarding the PHYSICIANS' RADIO NETWORK (PRN) for his fellow SPEEDXERS:

The PRN is a special purpose entity utilizing SUBSIDIARY COMMUNICATIONS AUTHORIZATION (SCA) form of transmitting. This is an FCC authorized service intended for business, or public purposes directed to limited or special audiences. The material is broadcast by FM radio stations along with their regular programming. The station controls access and derives profit from the rental or lease of special receivers from their subscribers.

SCA transmission is made by frequency modulation of a superonic (usually 67 kHz) tone, called a subcarrier that is added to the programming of an FM radio station. Reception is accomplished by filtering the subcarrier from the regular programming, then limiting it to remove any amplitude variations, then detecting the subcarrier to extract the original programming. It is then amplified through the normal audio portion of the receiver. In the case of the physician, yes it was a crystal controlled unit.

SCA is used by many special interest groups, including the Radio for the Blind. It is different in that FCC seems to regulate little or no control over program content. In many areas the broadcasts for the blind are print-material, including what some may consider pornographic. Another interesting aspect is that it has been considered "the radio that you cannot buy." The FCC has discouraged manufacture and sale of such units. Lafayette Radio tried to market one, an FM radio with SCA, a few years back and had trouble with the FCC. They got around it by offering an experimental kit that you could build yourself. Many such kits are available today. They are quality components, easy to build and readily installed in most FM radios. Musak was another user of SCA until recent years when much of their material came over the phone lines.

I use an SCA adaptor myself and enjoy it very much. WORLDWIDE TV-FM DX ASSOCIATION frequently reports on SCA programming. It is perfectly legal to receive SCA broadcasting providing it is not being used for business or public purposes. In that case you would need written permission of the station originating the broadcast.

### WORLD ADMINISTRATIVE RADIO CONFERENCE

Following are excerpts from: "The Struggle Over The World's Radio Waves Will Continue" that appeared in the London "The Economist" dated December 8 1979, and which was submitted to us by: Norman C. Grosvenor, Hollywood, CA.

Did we win? Britain, the United States and other industrialised countries do not know whether to smile or to cry over the results of the World Administrative Radio Conference (WARC).

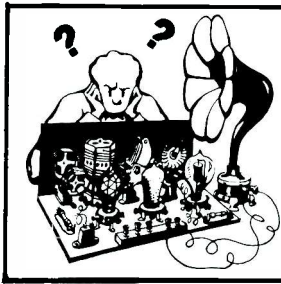
The biggest loss to Britain and America came in the shortwave, or high frequency, radio bands. They wanted a big extension of shortwave bands for international broadcasting (those used by the BBC and the Voice of America). They got it, too-but in higher bands which are far less useful. In the bargaining, Britain eloquently pressed for an extra 100 kHz at 6 and 7 MHz the BBC, for example, can best be received in Geneva at 6 MHz. The new allocations provide room for shortwave expansion only above 9 MHz.

The developing countries (fortified by the United Nations' one-country-one vote system) successfully pressed their claim to keep the lower shortwaves already allocated to fixed communications services; they depend on radio for domestic communications like telephony. So strong was their determination that Algeria, at one point, proposed that the shortwave allocations for fixed services be resuffled so that 70% would be given over to developing countries. But the third world did not provide block support for such a demand. Supporting Britain's appeal for more international shortwave were none other than Pakistan and Iran.

The United States, lost outright its bid for a special frequency for a solar power generating satellite, but achieved all it and others wanted for radio astronomy and remote-sensing.

Thanks to subtle formulas, the United States also wrested the OK it needed from Canada for a significant change in the frequency allocation in 12 gigahertz band for the western hemisphere.

4 (PUBLISHERS NOTE: Sorry gang, but there is no UTILITY SECTION this month, therefore the short bulletin. Hopefully UTILITIES will return next month, same time, same place. If you have an interest in UTILITIES and would like to support the column with more than loggings (such as an editorship) please contact HQ's. For next month, please send your Utility loggings to Headquarters. MANY THANKS ... (jrt) ... )



# TECHNICAL TOPICS

Editor

## SANDY BLAIZE

AVC	SSB
AGC	LSB
GAIN	FADE
TUNER	NOISE
IMAGE	Smeter

Send Technical Questions & Technical Material To: ➔

E. V. "SANDY" BLAIZE  
417 RIDGEWOOD DRIVE  
METAIRIE LA 70001

**RADIO WEST "ACTIVE ANTENNA".....** As stated previously, I promised to "review" a new active antenna received from Radio West. Results were good! Some small problems, but I have found these common to almost all "active antennas". First, what is an "active antenna"? Generally speaking, it is a high gain, broadband amplifier using a very short antenna. BUT your radio has a "short" whip on it you say? So what is the advantage? There are several advantages: For the apartment dweller who can't put any kind of antenna up, it will work wonders fastened to a railing on a balcony or fire escape. The Radio West "antenna unit" consists of a 6" length of PVC tubing with caps at each end. Out of one end projects an 18 inch "whip", and an RG-58/U 50 ohm coaxial cable "feeder" from the other. It can be mounted almost anywhere you desire and is small and inconspicuous. (In case you have an antenna-banning nosy landlord!) The coax cable is about 25 feet long, but can easily be lengthened with little degradation of signal, if you desire to mount the antenna unit or "head" a greater distance from the receiver. This cable is plugged into an "interface unit" which contains more circuitry/matching devices. Two other jacks are provided for connection to your receiver and connection to a battery or plug-in power unit. (Like the kind used with cassette recorders, calculators etc.)

**Performance:** This system was tried on a SONY ICF-5900, GRUNDIG SATELLIT 2000, and EDDYSTONE 830/7 receivers. It compared very favorably and sometimes surpassed my 125' "longwire" in certain bands. Satisfactory operation was had down to 300 khz. up to 30 MHz. Very little "overloading or "Crossmodulation" was noticed, except on the MW broadcast band. This overloading was easily coped with when used with the EDDYSTONE, but became a problem with the SONY and the GRUNDIG, both of which lack true R.F. Gain controls. It is not, in my opinion, nor is any other "active antenna" I've tried, a device to DX with in the MW band! Where I was most amazed by its performance, was on 90 and 120 meters, where it did a marvelous job. There was sometimes some overloading on 49 meters at night, but with all the high strength signals competing there, this is understandable. The SW overloading was not "severe" as was the MW overloading, however. Most tests were conducted with the "head" tied to a wooden pole about 8 feet above the ground between two frame houses. I tried D.C. power sources from 6 volts to 12 volts (12 volt unit supplied) with barely any difference in performance. I think it would operate a fairly long time on a regular 9 v. transistor radio battery, if desired. This would make one less "plug-in" unit to take along in the field. If you are interested write to Radio West, 3417 Purer Rd., Escondido, CA., 92025 for more info.

\*\*\*\*\*  
**MIZUHO AP-M1 AUDIO PROCESSOR:** An electronic filter that has a variable "window" or "notch" (depending on mode selected). The bandwidth is variable from 4 khz to 400 hz., and the "window/notch" frequency variable from 100 hz thru 10 khz. It contains its own battery and loudspeaker and is simply plugged into the phones jack of your receiver. Size is small at 5½X2X5 inches. Just the thing for getting rid of "hets" etc. Will also be valuable to CW Utility buffs! For more info, write to Gilfer Shortwave, Box 239, Park Ridge, N.J., 07656

\*\*\*\*\*  
**LOCAL "QRM"** from nearby MW broadcast stations. Nearby meaning ½ mile or less. One SPEEDXer wanted to know what he could do to do away with this interference. Sorry to say: mostly NOTHING!!! Traps etc. are almost useless. There is nothing to do but tolerate it, wait for the station to go off the air, if it is a day only station, OR (best answer!) MOVE!!! There REALLY is things you can do, but to shield your DXing room, filter power lines, install multiple traps in ALL lines going in and out of the room would be VERY costly and may still not eliminate the problem. Remember, you are fishing for SW signals in the order of microvolts (MILLIONTHS OF A VOLT) and that MW station is probably putting in signals in the order of SEVERAL VOLTS! Most receivers CANNOT cope with this. (No matter WHAT the manufacturers claim!)

\*\*\*\*\*  
I would like to belatedly thank all of you who sent the very nice Christmas cards and letters of encouragement during 1979! See you next month 73..

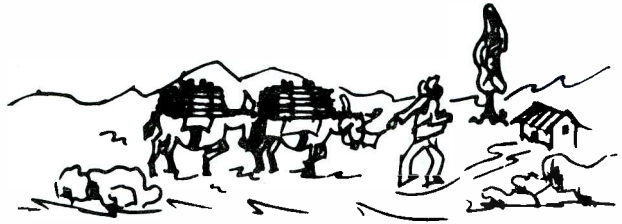
*Sandy*

# SWBC DX - Western Hemisphere

◁ EDITOR ▷

**CHRIS HANSEN**

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 APARTMENT 5-F  
 BRONX NY 10468  
 DEADLINE: 12th  
 Times & Dates: GMT  
 Frequencies: kHz



FEBRERO 1980

SPANISH FOR DXERS -- PAST MASTERS, PART II

FORMATION OF THE IMPERFECT AND PERFECT TENSES

First Conjugation -- Imperfect indicative -- (HABLAR -- root HABL- -- to speak)  
 yo hablaba; tú hablabas; usted, el, ella hablaba; nosotros hablabamos; vosotros hablabais;  
 ustedes, ellos, ellas hablaban.

Second and Third Conjugation -- Imperfect Indicative (DEBER -- root DEB- -- to have to)  
 yo debía; tú debías; usted, el, ella debía; nosotros debíamos; vosotros debíais;  
 ustedes, ellos, ellas debían.

First Conjugation -- Preterit Indicative

yo hablé; tú hablaste; usted, el, ella habló; nosotros hablamos; vosotros hablasteis;  
 ustedes, ellos, ellas hablaron.

Second and Third Conjugations -- Preterit Indicative

yo debí; tú debiste; usted, el, ella debió; nosotros debimos; vosotros debisteis;  
 ustedes, ellos, ellas debieron

To form any verb's imperfect and preterite, simply add the endings underlined above to the root. Note: deber can also mean to owe, ought, must.

Here are some examples of contrasting uses of the imperfect and perfect.

Llovía ayer, por eso yo me puse mi impermeable.  
 It was raining yesterday, so I put on my raincoat.

The imperfect should be used for a repeated and unfinished action in the past. The preterit should be used for a one-time, unrepeatd, and finished action in the past. The rain went on all day, so it was unfinished (at least at the time about which we are speaking in this sentence); however, we only put on our overcoat (editorial we, hi!) once.

I was asked why I include the tú and vosotros forms of verbs in my lessons, since they are of limited use. Well, I have several reasons: (1) completeness; (2) the limited usefulness -- when listening to a SS soap opera, or novela, many of the characters would address other characters in the familiar form (parents to children; people to close friends; people to dogs; people to God). It is true that vosotros has nearly died out in LAM, except in older literature; ustedes has replaced it as the form of second plural address. Vosotros is still in use in Spain, however. So, you will hear tú used every once in a while if you're DXing. Lazy teachers of SS often omit it, however, on the flimsy excuse that most of their students will never know a SS-speaking person well enough to use tú with him, or that it will only confuse them. Better they know it, however; if they know when to use it and when to avoid it, everything will be fine.

And now, remembering that if language designation is left out of a logging, the language is Spanish, I present:

I?@?#?S?%?c?&?#?(?)?(?#?&?c?%?S?#?@?I?I?@?#?S?%?c?&?#?(?)?(?#?&?c?%?S?#?@?I?@?#?S?%?c?&?

SOUTH AMERICA

ARGENTINA

5882 0054 R. Rividavia, ID by OM, Buenos Aires mentioned, tlk(222; 12/7. Dilk, NJ)  
 ([0120] 343; 11/29. Connell, CA) ([0223] 333; 12/8. Cunningham) (Ottaway, CO)



**ARGENTINA** -- (continued)

- 9690 0325 RAE, EE, YL, good mx, QRM from VOA, IDs (pr; 12/14. Forbes, TX)([1155] 343; 1/3. Mosier, CA)([0200] 433; 12/23. Stone, ON)  
 11710 2325 RAE, EE, YL, folk mx, requested rpts; (433; 1/1. Audette, MA)([2315] 333; 12/26. Curtis, TN)([2335; 2250\*] 533; 12/31. Thompson, CA)

**BOLIVIA**

- 3380 0325 R. Cumbre, LAm mx, ID, gone by 0400 (333; 12/3. Holland, NY)  
 6005 1000 R. Progreso, SS/Indian; ID, TC for 0600 hrs; into "Programa el centro campesino Tupacatari." QRM from Canada, R. Reloj \*1023 today; very low pitch het w/ Canadian (333; 12/20. Jones, MS)  
 6034 0010 R. Panamericana, 0010-36, tlk, ads, amts; 0036: "Desde La Paz, Bolivia, Panamericana" MW, SW, & FM fqys; 0036.5 mx; 0037\*; bad het w/ Globo on 6035 (333; 12/18. Vranes, PA)

**BRAZIL**

- 2300 0616 PP, tlk w/ ads, wx, U.S. pop mx (Martin, LA); is the fqy. measured or approximate? Please indicate this when [this is to everyone] you submit an unID logging so we have more information to go on. cpjh(333; 12/23)  
 3205 0035 R. Clube Ribeirão Preto, PP, ads, several IDs, amts (333; 12/29. Yajko, PA)  
 t3335 0230 R. Clube de Conquista, PP, definite Brazilian w/ ballads, ads, could not hear ID, CHU QRM (322; 12/29. Yajko, PA)  
 4765 \*0759 R. Rural Santarem, PP, instrumental mx, tlk, pop mx, more tlk; "Ave Maria" type mx @0804, ID (finally) @0806 (333; 12/24. Cunningham)  
 4805 0125 R. Dif. do Amazonas, PP, tlk, plug pulled @0130 (12/21. Holland, NY)  
 I HOPE THAT EVERYONE REALIZES THAT THE LANGUAGE OF BRAZIL IS PORTUGUESE. SPANISH IS USED ONLY BY THE EXTERNAL SERVICE, AS FAR AS I KNOW. ALL THE LOCAL STATIONS USE PORTUGUESE. THEY SOUND ALIKE TO THE UNTRAINED EAR, BUT CAN BE TOLD APART IN SEVERAL WAYS:  
 (1) An "o" at the end of a word sounds like "oo" -- e.g.: Preto (pre-too)  
 (2) An 's' at the end of a word sounds like "sh" -- e.g.: Amazonas (a-ma-zoo-nash)  
 (3) Where a tilde appears under BRAZIL, it appears over a vowel (instead of over an "n", as in SS) The tilde indicates that the vowel is nasalized -- e.g.: Ribeirão (ri-bei-ranh-oo)  
 THESE ARE JUST A FEW TIPS OFF THE TOP OF MY HEAD. A FUTURE SPANISH FOR DXERS WILL TAKE UP THE SUBJECT.  
 4855 0900 R. Clube do Brasil, PP, mx, ID, no ads; (12/2. Holland, NY)  
 4895 0305 R. Cultura de Bahia, PP, OM ID, recap of major 1979 sx events, jingles (weak, 1/1. Whitehead, MA)  
 4915 0230 R. Dif. Macapá, PP, Pepsi jingle, local ad, pop mx (12/30. Whitehead, MA)  
 4985 0205 R. Brasil Central, PP, ads, ID, instrumentals (323; 12/29. Yajko, PA)  
 5035 2330 R. Aparecida, PP, ballads, MOR EZL mx, ads after each tune (Whitehead, MA)  
 5045 0948 R. Cultura do Pará, PP, ID, tlk by YL (343; 12/28. Jones, MS)  
 ?5045 0906 R. Dif. Presidente Prudente, SS (sic) YL DJ, tlk, SS (sic) LAm mx, Xmas mx on LAm instruments, ID given (333; 12/13. I'll omit your name -- are you entirely sure about the above?? It is certain that a small station like this would be in PP, not SS (see under 4805 above). I also think that R. Cultura do Pará would override this at this time. Try for Cook Islands??? hi! cpjh)  
 6000 0012 R. Inconfidência, PP, OM ID @0013, EZL mx, some torchy; (333; 12/30; Lucas, CA) ([0132] 433; 12/27. Yajko, PA)  
 6035 0043 R. Globo, PP, mellow LAm pop mx, amts by smooth OM DJ, ID @0053 (343; 12/18; Cunningham)  
 11765 2344 R. Tupí, PP, long tlks by OM/YL, over EZL mx and choir mx; ID @2359; gave fqys; overmod. (322; 12/30. Cunningham)  
 11780 0916 Radio Nacional Brasília, PP, IDs, amts, mx (455; 1/2. Mosier, CA)([0910] 555; 12/31. Rosewarne, CA)  
 11805 0031 R. Globo, PP, futbol, world's longest "G000000000AAAAAAL's" twice; ID @0051 (333; 12/6. Cunningham)([0000] 222; 12/28. Cereghin, MD)([0118]323;12/27.Yajko,PA)  
 15290 0330 Radiobrás, EE, mx, answered questions from listeners, 0400\* (433; 12/27. Binau, MD)([1712] 454; 1/4. Maag, CA)([0319] 343; 12/15. Drew, TX)([0315] 444; 12/24. Audette, MA)+5  
 17815 2245 R. Cultura de São Paulo, PP, non-stop class. mx; ancr giving titles between selections; mellow ID @2305 (232; 12/2. Cunningham)

**CHILE**

- 9630 \*0958 R. Agricultura, Class. mx "IS" to 1000, ID, fanfare, into "Las noticias Agricultura" (222; 11/12. Cunningham)  
 11720 0310 LVCH, OM w/ nx, YL w/ address for reports, Chilean folk mx (454; 1/2. Mosier, CA)([0328] 433; 12/31. Berkholtz, MN)  
 11725 0340 LVCH, EE, cmt by OM, 0343\* in the middle of px; \*0345; (444; 12/7. Trummel, IL)  
 11765 0211 LVCH, "Esta es La Voz de Chile" (333; 1/2. Cereghin, MD)  
 11890 0230 LVCH, ID in SS @0230, then mx; EE ID @0231; (555; 12/17. Coleman, MA)([\*0230] 444; 12/19. Audette, MA)([0221] 555; 12/6. Holland, NY)  
 15135 0055 LVCH, SS, into FF @0100; (444; 12/20. Stone, ON)

**CHILE** - (continued)

15138.1 2305 LVCH; Am reporting to indicate how they are jumping around. On 6th they were on 15150 and 17790 at 0200; tonight on 15138.1, but not 17790, because VOA Delano is there. (353; 12-13. Earhart, PA)  
15140 0000 LVCH, EE, mx, mx, tlk on youth programs (333, 12-12. Dilk, NJ) (0014; 333; 12-8 Drew, TX) (0131; 433; 12-16. Berkholtz, MN) +3  
15150 2201 LVCH, EE, still discussing their progress (333, 12-6. Earhart, PA) MA)  
17790 2235 LVCH, ID, mx, 2300\* (433, 12-24. Schaap, JAMAICA) (2210, 343, 1-6. Audette, / (2200; 332; 12-29. Thompson, CA) (2210; 343; 12-4. Earhart, PA)

**COLOMBIA**

4775 0326 Emisora Kennedy, ID "Emisora Kennedy, 1430 y 4775 kcs, desde Bogotá, República de Colombia," mix of LAm mx from ranchers to Colombian traditional mx; TC; ads (1-1, Whitehead, MA)  
4818 0355 R. Guatapurí, OM ID, SS mx; (444; 12-25. Hrivnak, IL) (0217; 222; 12-26. Cereghin, MD) (0715; 433; 12-30. Pettit, IA) +5  
4845 0310 R. Bucaramanga, OM w/ cumbias, vallenatos, ad for local restaurant (1-1, Whitehead, MA) (0407\*; 333; 12-30. Cunningham)+2  
4865 0050 LV del Cinaruco, mx, ID, time for Venezuela and Colombia after each selection (333; 12-25. Durnavich, IL) (0434; 454; 12-25. Moore, PA)  
4875 0640 R. Super de Medellín, mx, ID (433; 12-18. McKinney, MA) (0640; 423; 1-4. Pettit, IA) (1130; 444; 12-27. Yajko, PA) +7  
4885 0420 Ondas del Meta, local mx, almacen ads; IDs, greetings to various "barrios" (333; 12-25. Moore, PA)  
4945 0518 R. Colosal, LAm mx, (443; 12-24. Schaap, JAMAICA) (0645; 444; 12-13. Ross, ON) (0909; 12-2. Holland, NY) (0658; 0700\*; 353; 12-28. Earhart, PA)+4  
5010 0638 Emisora Surcolombia, Cerveza Bavaria ad, local mx, YL DJ, also played an interesting song: "La Marijuana." Liberal station?? (454; 12-25. Moore, PA) (1031; 232; 12-21. Jones, MS) (0320; 333; 12-22. Ray, PA)  
5051a 1022 LV de Yopal, continuous mx from 1022-1024, loud ID and slogans "LV de Yopal, una emisora ---; --- LV de Yopal, la emisora - - -" (couldn't understand slogans) YV not on (343; 1-3. Jones, MS)  
5075 1038 R. Sutatenza, mx, tlk, ID "R. Sutatenza" (333; 11-19. Kobayashi, JAPAN)  
5095 0230 R. Sutatenza, SAm mx; (323; 12-30. Maag, CA) (433; 1-7. Thompson, CA) (0300; 544; 12-13. Stone, ON) (1102; 444; 12-27. Forbes, TX)  
5955 0445 LV de los Centauros, LAm ballad, clear ID w/ fgys, more IDs, apparent NA and off (232; 12-2. Cunningham) (0942; 333; 12-29. Audette, MA) (0652; 353; 12-25. Moore, PA)  
6065 1123 R. Super, YL singing "Ave María," OM w/ tlk and ad for "Carros nuevos," ID; at 1128: "R. Super, Radio Superior en Bucaramanga," CBCNS s/on clobbered it at 1130 (342; 12-13. Boehm, TX)  
6115 0545 LV del Llano, LAm mx, ID (444; 12-9. Ray, PA)  
6150 0712 LV del Huila, Lively LAm mx, OM ID, v. gd. signal (454; 12-27. Mosier, CA)  
6160 1056 R. Nueva Granada, LAm ballad, rare "R. Nueva Granada," ID over children's choir at 1056, net IDs, into Successos mx "343; 12-7. Cunningham)  
11792 1228 R. Nacional, "Popular Music of Colombia," (12-16. Holland, NY) (333; 12-31; Smith, FL)

(I SWITCHED TYPEWRITERS BECAUSE THE IBM MAG CARD MACHINE IS ACTING UP AND I NEED TO FINISH THE COLUMN TODAY BECAUSE OF A DEATH IN MY FAMILY. THIS ELEMENT HAS: ^, i, é, ñ; ALL OF WHICH ARE USEFUL, BUT I HAVE HAD TO ALTER MY STYLE SOMEWHAT)

**ECUADOR** -- HCJB

3220 0329 SS (¿This is supposed to be Quechua? cpjh) rel tlk w/ OM/YL, time pips 0330; class. mx bridge, then ID at 0332. (222; 12-21. Cunningham)  
15115 0240 EE, OM tlk (DXPL); (545; 11-6. McLean, NY)  
15120 0230 EE, DXPL, R. Peking QRM (322; 12-23. Zilmer, WI) (0129; 444; 12-16. Berkholtz, MN) (HCJB was being QRMed by Peking on 15115; HCJB moved up to 15120, whither Peking followed. At last report HCJB was back on 15115 and crossing their fingers. ch)  
26020 0125 EE, OM w/ nx; pips at 0130 and 3 IDs about this time -- interview with tech man about this new fqy and xmitter, 0135 f/o (252; 12-18. Lucas, CA) (1400; Morning in the Mountains, //17890, 15115, 11740; 26020 not ancd; 131; 12-31. Audette, MA) (1745; 353; 12-27. Donly, SC) (1448; 343; 12-29. Yajko, PA) (1932; EE to Europe; weak w/ deep fades, 1-5. Lobdell, MA) +31 other HCJB reports.  
3280 1045 LV del Napo, ID: "Sintonía R. LV del Napo: OM mx px w/ time and tlk, heavy UTE QRM (322; 12-21. Durnavich, IL)  
3315 0334 R. Pastaza, tuned into a vocal by a man, ad for "Artículos Pappagallo," ID in SS, faded under ute soon after (poor; 12-23. Lobdell, NJ)  
3380 1105 R. Iris, OM w/ nx about "El plan nacional de desarrollo" from President of Ecuador, QRM de FR3, (323; 12-21. Durnavich, IL)  
3390 0142 R. Zaracay, several ads, IDs, vocals (322; 12-27. Yajko, PA) (1032; 454; 12-24 Moore, PA) (1036; 444; 12-21. Jones, MS) (0225; 333; 12-25. Audette, MA)

**ECUADOR** -- continued

PA)

- 3985 1040 Escuelas Radiofónicas Populares, Andean mx, OM Xmas anmts; (344; 12-24 Moore)  
 4680 0300 R. Nacional Espejo, nx by OM, IDs, LAM mx; (353; 1'6. Ray, PA) (1140; 22;  
 12-28. Hrivnak, IL)  
 4767 0400 C.R.E., Coke ads, ID, local mx; (fair; 12-7. Ottaway, CO)  
 4795 0448 LV de las Carás, SS vocal mx, mostly 2 OMs singing & no anmts between selec-  
 tions; ID: Desde Bahía de Caráquez, transmitida LV de las Carás. 0526.5\* (353;  
 12-16. Vranes, PA) (0200; 222; 12-4. Holland, NY) (0105; 353; 12-27. Moore, PA)  
 4801 0817 R. Popular Independiente, LAM folk mx, IDs as R. Popular Independiente, and  
 R. Popular; clear, no UTE (333; 12-24. Cunningham)  
 4850 0400 R. Luz y Vida, back-to-back EZL and MOR, some Xmas songs, uninterpretable  
 IDs, 20 second NA & s-off at 0530 (Ecuadorian NA is quite long; it goes for about  
 5 minutes, then there is a 'fight song,' and then back to the rest of the anthem  
 as I remember -- could be they only played part of it, though. cpjh) (12-22  
 Holland, NY) (0105; 323; 12-21. Durnavich, IL)  
 4870 0115 R. Rio Amazonas, OM/YL nx, Andean mx (232; 12-27. Moore, PA)  
 4890 0200 R. Centinela del Sur; pop mx, ID (555; 12-6. Holland, NY)  
 4900a 1058 LV de Saquisilí, ID, TC after several minutes of Ecuadorian mx, short choral  
 version of NA at 1100 (¡ah ha! There you are, Darryl. cpjh) more mx; fqy not ex-  
 actly 4900; no Juventud (443; 12-26. Jones, MS)  
 4960 0256 R. Federación, Mellow LAM instrumental mx; anmts by OM w/ deep echo effect;  
 s/off anmts, ID, NA, 0300\* (222; 12-20. Cunningham)  
 5025 0534 R. Splendit, EE/LAM pop songs, anmts, jingles, 'Pink Panther' theme; ID w/  
 "Feliz Navidad." (333; 12-22. Cunningham)  
 5060 0857 R. Nacional Progreso, Andean mx, OM ID (343; 12-25. Moore, PA) (0134; 222;  
 12-9. Cereghin, MD)  
 5215 0930 R. Splendit, noted off usual 5025 fqy w/ xmtr troubles; program of vocals,  
 Xmas greetings by OM in SS. "Silent Night;" o.f abruptly at 1041 after ID (fair;  
 12-25. Lobdell, NJ)

**FALKLAND ISLANDS** -- FIBS (Information has reached us that there might be a person who is  
 transmitting on 2370 with the same type of program as FIBS -- could only be a rather mean  
 person. This pirate station (as my informant tells me) bcs BBC material, has "IDs" which  
 imitate the FIBS "E.g.: 'This is the F(garbled) Islands Broadcasting Service.' It appar-  
 ently operates the same times as FIBS is skedd. Look out for this guy -- his supposed  
 QTH is Connecticut. I cannot vouch for the accuracy or veracity of this information -- I  
 simply pass it on to you. Is another 'R. Nibi-Nibi' hoax in the works??? cpjh. Oh yes,  
 this information has no connection with the following logging -- I do not pass judgment  
 on it or mean to cast aspersions on John Fisher's logging.)

- 2370 0056-0130\*, pop mx, then ID by YL at 00:59: "This is the Falkland Islands Broad-  
 casting Station, now the news" BBC WS, stock market report, nx about Britain;  
 barely audible by 0115. BBC px ended at 0125; YL again, could faintly make out  
 "You are listening to Falkland Islands Broadcasting Station" into apparent station  
 anmts, but could not understand what was being said. Caught a final ID at  
 s/off, or partial ID, rather, then into what sounded like "GSTQ." (222; 12-31  
 Fisher, RI) (Hope you get an affirmative answer to your report, John! cpjh)

**FRENCH GUIANA** - FR 3

- 3385 0907 FF, non-stop EXL mx, 0921 anmts; 0930 OM w/ ID & nx (433; 12-15. Cucura, PA)  
 (0255; Xmas mx; 333; 12-24. Audette, MA)  
 4972 0940 FF, tlk by OM, vocals, pop mx //3385 (poor; 1-3. Lobdell, MA)

**GALAPAGOS ISLANDS** -- LV de Galápagos

- 4810 0315 Cumbía, TC, ballad, OM ads, mention of "LV de Galápagos Musical," apparently  
 program name (12-30. Whitehead, MA) (0146; 342; 12-14. Jones, MS) (0028; 111; 12-16;  
 Holland, NY) (0110; 222; 12; 18. Davis, GA)

**GUYANA** -- GBS

- 5950 1008 EE, nx, 1013 PSA, 1015 rel px; (322; 12-30. Rzepka, WI) (0808; 222; 12-28.  
 Reese, KS) (1014; 443; 12-30. Jones, MS) (0545; 323; 1-1. Maise, LA)

**PERU**

- 5300 \*0955 R. Esmeraldas-Huanta, anmt by OM, into huayno mx. ID/TC by OM in SS, but  
 tlk seemed Quechua; held until 1035 fade (poor; 12-16. Lobdell, MA)  
 6020a 1039 R. Victoria, mx, ads, ID as: "R. Victoria de Perú." Fqy maybe 6021, slightly  
 higher than nominal 6020 (332; 1-3. Jones, MS)

**SURINAM**

- 4794 0851 R. Apintie, Hindu mx, anmts, full ID at 0930 by OM, into religious instrumen-  
 tal mx, EE/SS pops to 1010 fade (fair; 1-4. Lobdell, MA) (0835; much sub-continental  
 type mx w/ YL anmt during breaks. 0900 OM in different language w/ anmt; no def.  
 ID, though, weak after 0900 (232; 1-4. Kowalski, WI) (0925; 333; 12-22. Thompson, CA)  
 4850 0948 SRS, DD, OM nx, ID, sx scores; 0952 another OM tlk & pop mx (first number was  
 played in wrong speed, but ancr corrected it) (544; 12-22. Thompson, CA) (0415; gd;  
 12-8. Ottaway, CO) (0410; 334; 12-6. Trummel, IL) (0427; 433; 1-3. Mosier, LA) +2





**CANADA** -- continued

- 6070 0748 CFRX, Toronto, EE, nx about upcoming election ID; (444; 12-24. Rosewarne, CA) (1220; 343; 12-7. Trummel, IL) (0728; 333; 12-6. Mosier, CA)
- 6080 0100 CKFX, Vancouver, EE, nx, ID, C&W mx, North to Alaska, IDs as: "CKWX Super Country"; (233; 11-29. Connell, CA) (0029; CKFX Snow Patrol; 222; 1-2. Lucas, CA) (0825; "Cash-call Jackpot" amnt; 343; 12-5. Mosier, CA)
- 6130 2300 CHNX Halifax, EE, local and Canadian nx; into C&W mx; can't understand reports that Ghana is hrd on this fqy at 2200 (353; 12-5. Earhart, PA) (1700; 555; 12-25. Nolden, CT) (1210; 323; 12-7. Trummel, IL)
- 6160 0110 CKZU Vancouver, EE, sx nx; ID, pop mx (233; 11-29. Connell, CA)
- 6195 0305 CBCNS, EE, ID, fqys, mx; (555; 12-17. Coleman, MA)+2
- 9625 1532 CBCNS, EE, Interview w/ William Shatner about new Star Trek movie -- tlk on what to do for a hangover (hair of the dog?? cpjh) (433; 12-31. Dilk, NJ) (1312; 535; 12-18. Miller, CA)+1
- 9720 2345 CBCNS, Eskimo, OM ID in EE, YL tlk in Eskimo, world nx, also sounded like a pre-Xmas sale on igloos (454; 12-12. Hensley, TX)
- 11720 \*2310 CBCNS, EE, World at 6 -- unannounced fqy; (444; 12-25. Loren, CA) (1430; 333; 12-22. Schaap, JAMAICA)
- 11770 0301 RCI, EE, nx, DXD (444; 12-31. Berkholtz, MN)
- 11845 0200 RCI, EE, nx, cmt. on Canada's longest running musical (444; 12-16. Berkholtz, MN)
- 15325 2145 RCI, EE, DXD w& Ian McFarland, discussion of WARC allocations (555; 12-19 Schroeder, WI)+3
- 17820 1645 RCI, EE, px for EE, world nx; (544; 12-26. Stone, ON) (1920; Bonsoir Africa; 555; 12-23. Curtis, TN) (2150; 444; 12-13. Sanderson, AZ) (2000; 444; 12-16. Berkholtz, MN) (\*1800; 544; 12-30. Pettit, IA)
- 17830 1500 BBC, Sackville, EE, Radio Nkreel; concert hall (433; 12-30. Zilmer, WI)
- 21695 1500 RCL, RR, to 1500, IS, into Ukrainian to Ukraine (444; 1-2. Cereghin, MD) (1644; EE; 444; 1-1. Berkholtz, MN)

**COSTA RICA**

- 4832 0400 R.Reloj, OM ID, "Esta es TIHB, Número Uno en Costa Rica" (555; 12-25. Hrivnak, IL) (0428; 544; 12-26. Heyman, NY) (0735; Disco mx; 444; 12-27. Thurman, IL) (0502; 443; 12-15. Thompson, CA) (0820; 12-2. Holland, NY)
- 5055 0730 Faro del Caribe, C&W religious mx; oldies like "The Sweet By-And-By"; ID at 0755 with sked (343; 1-1. Connell, CA) (0358-0401\*; 322; 12-2. Cunningham) (0250; 353; 12-28. Forbes, TX) (0300; SS/EE, 'Timeout' and 'Unshackled,' 422; 12-26. Rzepka, IL) (0711; 322; 1-1. Thompson, CA)
- 6006 1030 R. Reloj, LAM mx, frequent time checks (12-9. Holland, NY) (1145; 544; 12-7. Trummel, IL) (1230; 444; 12-25. Schaap, JAMAICA)
- 6082 0012 R. Nueva Victoria, OM in tlk about sx; ID 0020: "R. Nueva Victoria, Nueva Victoria en Heredia" (322; 12'7. Cunningham) (0106; 343; 12-28. Jones, MS) (2352; 333; 12-26. Moore, PA)
- 9645 1310 Faro del Caribe, ID by OM, TC, into light instrumental mx; (fr; 12-24. Lobdell, NJ)

**CUBA**

- 6115 0137 Radio Moscow World Service, EE, Joe Adamov's commentary on his American tour (444; 12-29. Curtis, TN)
- 9525 0700 RHC, EE, ID, QRM from VOA; (544; 12-30. Maag, CA)+2
- 9770 1058 RHC, et al.; from 1058-1100 I could hear a total of five stations sharing this frequency! R. Havana noted w/ IS, R. Australia in EE, ORF Austria w/ their IS, 4VEH-Haiti w/ IS and R. Moscow there with IS. Can anyone top this? (How about a jammer to cover all of them up. cpjh) (12-16. Lobdell, MA) (1547; 343; 12-10. Boehm, TX) (1520; 444; 12-24. Schaap, JAMAICA)
- 11725 0058 RHC, EE, px preview; (333; 12-23. Berkholtz, MN)
- 11760 0445 RHC, EE, Listeners' questions answered; Philately in Cuba is educational, not lucrative. (12-2. Holland, NY) (0022; 444; 12-26. Rzepka, WI)+3
- 11860 1750 RMWS, EE, rock mx, annoying audio (That's the understatement of the year! ch) (455; 12-8. Trummel, IL) (1528; 1530\*; 444; 12-23. Curtis, TN)
- 11920 2035 RHC, EE, 'For Your Listening Pleasure' (444; 12-29. Audette, MA)
- 11930 0135 RHC, EE, ID, invitation to write; (545; 12-6. Davis, GA) (0345; Contest: 'What has impressed you about Cuba?' is the question. (Great line for a straight man. cpjh) 544; 12-28. Forbes, TX)+4
- 15230 1405 RHC, 'Voces de la Revolución' speech by Castro at UN (444; 12-21. Leeman, RI) (1330; 444; 12-21. Schaap, JAMAICA) (0339; 433; 12-30. Berkholtz, MN)
- 17750 2115 RHC, EE, YL/OM, bad audio (333; 1-5. Audette, MA) (2110; 444; 1-1. Cereghin, MD) (2100; tlk about Guyana; s gov't; 333; 12-23. Dilk, NJ)

**DOMINICAN REPUBLIC** -- Radiomar (harmonic)

- 2120 0520 LAM mx, OM DJ, 2 x 1050; ID at 0620 (252; 12-25. Moore, PA) (0530; LAM mx, snatches of amnt, f/o by 0600; 222; 12-20. Kowalski, WI) (0130; 322; 12-5. Forbes, TX)

NOT ENOUGH ROOM TO BEGIN GREENLAND ON THIS PAGE.

**GREENLAND** -- Kalaalit-Nunaata Radio (Back to Greenland as the country name -- as a general rule, the country will be named in this column with the name customarily given it in EE -- we don't call Germany 'Deutschland' in the Eur. column, do we??ch) 5987 \*1000 IS, nmmt in local language by YL, then rel px: "The Old Rugged Cross" hymn; then tuned to 9575 as 5987 was fading, and tuned out at 1145 (12-13. Lobdell, MA)

NOTE: I AM CUTTING GRENADA, MONTSERRAT, NETHERLANDS ANTILLES THIS MONTH. CPJH

**GUATEMALA**

2390 0355 LV de Atitlán, romantic ballads, ID at 0400 (353; 12-25. Moore, MA)  
3300 0430 R. Cultural, EE, good mx; (444; 12-8. Hrivnak, IL)+5  
3360 1115 LV de Nahuatlán, romantic ballads, ID (323; 12-23. Moore, PA)  
3380 0155 R. Chortis Jocotán, nx, mx, ID: "Desde Jocotán, Chiquimula, rayas por tí, la emisora que hase pasión, R. Chortis: by YL (333; 12-20. Durnavich, IL)+2  
4835 0150 R. Tesulutlán, marimba mx, (444; 12-22. Moore, PA)+2  
6180 1150 R. Nacional; local mx, ID at 1159; IDed as both LV de Guatemala and R. Nacional (433; 1-11. Audette, MA)+1

**HAITI** -- 4VEH

11835 1905 EE, rel mx, tlk, "How to Walk with God," (a book) (333; 12-2. Kavalesky, OH)+2

**HONDURAS**

4780 1135 R. Juticalpa, nmmts, IDs, vocals (333; 12-27. Yajko, PA)  
4820 0322 LV Evangélica, EE, "Radio Bible Class," mx, tlk about revelation (Don't know whether you mean the NT Book or rev. in the abstract. ch) (433; 12-24. Curtis, TN)+5  
4890 0230 R. Lux, OM, EE rock and traditional LAm mx, ID 0234; (333; 12-29. Audette, MA)

**MEXICO**

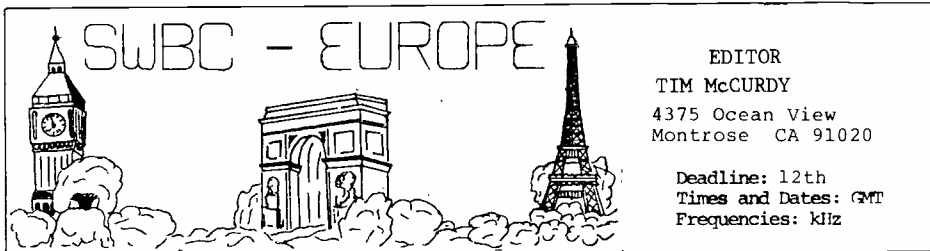
2390 0205 R. Huayacocotla, SS, local nx, ID (444; 1-3. Jones, MS) (0115; fr; 12-27 Forbes, TX) (0210; 322; 12-18. Stone, ON)  
6105 1148 XEQM, ID as "MQ-QM," "R. Yucatan," "Sus Panteras," Mention of network including XEUK and XEUL or XEQK AND XEQL (not sure) (333; 1-6. Jones, MS)  
15430 0045 R. México, nx, Xmas greetings from staff (444; 12-24. Schaap, JAMAICA)+2

**NICARAGUA**

5950 1120 LV de Nicaragua, overmodulated, splatter from 5938-5960 kHz, drama about Sandino, TC: "La hora exacta, son las cinco con treinta y siete minutos -- esta es Managua, LV de Nicaragua, la voz oficial de gobierno de reconstrucción" (553; 12-6. Boehm, TX) (0333; 343; 1-4. Lucas, CA)+10  
6120 \*1124 R. Zinica, Sandinista anthem, full SS ID at 1132, then Música Ranchera px w/ occasional nmmts of local meetings, a full EE ID at 1151. Hetted by R. Moscow carrier after 1132 (fair-good; 1-5. Lobdell, MA) (1130; U.S. Xmas songs, many IDs in SS and EE; TCs, slogans, feedback troubles with audio at intervals; (433; 12-21. Jones, MS) (1130; ID (Should be checked -- it doesn't really make sense, but here goes): This is R. Zinica, breaking to the historic march of the Coast People and out towards our brothers of the Pacific. Greeting you on the International Band of 41 meters on your dial of 6120 kilocycles." (There it was -- just as I deciphered it! cpjh) (353; 12-23. Moore, PA)  
11835 0501 LV de Nicaragua, campesino ballad by OM, //5950, fuzzy overmodulation, in contrast to crisp 5950 (323; 1-4. Lowe, AR)

**UNITED STATES OF AMERICA**

1620 Just a note that PRN has been heard lately. Try around 0400-0500. cpjh  
5980 1355 KGEI, EE, end of bc; (444; 1-6. Valentine, CA)+1  
6213 0150 WDAB, EE, ID at 0151, mx, another ID at 0154 as "WDAB, Chicago" (sic); mailing address in PA; (232; 12-2. Kavalesky, OH) see 6995 cpjh  
6960 0430 WARG/WONF (thanks to Derek Lowe for tip), EE, various pop selections, "Good Girls Don't" -- ancd as WARG -- then gave NYC loop number 212-220-9979; 0433\*, said back in 10 minutes; played undermodulated 'Jingle Bells'. I called at 0502, and WONF (he said!) answered and claimed he was different from WARG (Fat chance!) -- they were communicating, though; he took my name and address for QSL (1-15 Hansen, NY)  
6995 0220 R. Free San Francisco, EE, ID as RFSF; rock mx, address is the Free Radio Campaign address: Box 542, Wescosville, PA 18106. (333; 12-16. Hodsdon, MN)  
7360 0558 Moonshine Radio, EE, mx, OM ID by "Johnny Blackbeard," ments. of Green River Radio, more mx; discussion of xformers (Obviously a ham-run operation. cpjh) (333; 1-1. Mosier, CA)  
9615 1145 KGEI, tlks, mx, over R. Veritas (545; 12-20. Miller, CA)  
9715 0342 WYFR, EE, "Mailbag" tlk of future plans for station (555; 12-30. Curtis, TN)  
11855 0346 WYFR, mx, (444; 12-31. Berkholtz, MN)  
15250 1855 WINB, EE, 1855\*, then on 15350 at 1859 w/ address and rel. mx. (444; 12-26. Curtis, TN)  
21485 1718 VOA, Bethany, EE, YL w/ nx, echo! 13 mb was alive -- what gives?? (Probably another xmitter on the same fqy on another beam. Try 15430 AFRTS in early afternoon for echo of this type.ch) (Lucas, CA) (Must run now -- see you in 30. Chris) *ch*



ALBANIA

5057 0625 Gjrokaster; Albanian operatic mx (333 12/9 Ray-PA)(Martin-LA)  
 5960 0510 RT; German tlk by om mx (333 12/15 Draeseke-CA)  
 7065 0020 RT; EE ID tlk on imperialism (322 12/9 Hodson-MN)(Witte-CA)  
 7120 \*0300 RT; SS nx (444 12/25 Prath-FL)(433 12/26 Schaap-JAMAICA)(Draeseke-CA)  
 (Davenport-TN)  
 9480 2205 RT; EE yl w/ political cmty ID (433 12/28 Audette-MA)(Prath-FL)  
 9750 0240 RT; EE tlk abt the life of Joseph Stalin (332 12/13 Byron-NY)(Prath-FL)  
 9790 0137 RT; RR ID long orch mx (333 12/30 Cereghin-MD)

ANDORRA

6215 2014 AWR; EE Xmas special broadcast w/ mx and special QSL offer (333  
 12/25 Iobdell-MA)(Audette-MA)(Donly-SC)(Miller-CA)(Cucura-R)(Moore-PA)

AUSTRIA

5945 0130 ORF; EE nx cmty on traffic safety (353 12/7 Fraser-MA)(Hesch-NY)  
 (Yajko-PA)  
 9770 0130 ORF; EE tlk abt Austrian towns (343 12/25 Prath-FL)(Berkholtz-MN)  
 (Coleman-MA)(Forbes-TX)(Franzis-CT)(Davenport-TN)  
 12015 0034 ORF; German nx (333 12/16 Berkholtz-MN)  
 15260 0430 ORF; EE "News and Views" (444 1/4 Mappin-WA)(Moss-CA)(Miller-CA)  
 15560 1600 ORF; GG IS various ID's (343 12/7 Lucas-CA)(Draeseke-CA)  
 21555 1233 ORF EE tlk abt mx (545 12/30 Fraser-MA)  
 21725 1245 ORF; EE nx mx (545 12/7 Hesch-NY)  
 21740 0212 ORF; EE tlk and nx abt the USSand Iran (444 12/15 Cereghin-MD)

BELGIUM

11700 1811 BRT; EE nx "Brussels Calling" (433 12/16 Berkholtz-MN)(Zilmer-WI)  
 (Byron-NY)(Cereghin-MD)(Audette-MA)  
 11715 0015 BRT; EE nx abt events in Antwerp (433 12/8 Byron-NY)  
 15210 \*1700 BRT; FF IS (323 12/25 Pettit-LA)  
 17740 1740 BRT; EE "Brussels Calling" (333 12/28 Audette-MA)(444 12/19 Miller-CA)  
 (Lucas-CA)(Trummel-IL)

BULGARIA

7670 0424 RS; Bulgarian flk mx tlk by yl (333 12/2 Cunningham)(Cucura-PA)  
 (Pamularo-NJ)(Donly-SC)  
 9530 2148 RS; EE yl discussed young people in Sofia (323 12/26 Schaap-JAMAICA)  
 (Zilmer-WI)  
 9665 2132 RS; EE ID om w/ nx (322 11/23 Hodson-MN)(Pettit-LA)(Yajko-PA)  
 (Phillips-CT)  
 9700 1933 RS; EE nx "Austria Calling" (343 12/30 Smith-FL)(Drew-TX)(Cereghin)  
 9705 0008 RS; EE IS nx (544 12/7 Trummel-IL)(Oakley-OR)(McKinney-PA)(Prath-FL)  
 (Fraser-MA)(Davenport-TN)  
 9765 2130 RS; EE IS ID by om amncr (444 12/8 Trummel-IL)  
 11720 1930 RS; EE nx "Review of the past Week" (322 12/11 Durnavich-IL)(Audette-MA)  
 (Draeseke-CA)  
 15310 0226 RS; Bulgarian mx (333 12/31 Berkholtz-MN)

CZECHOSLOVAKIA

5930 1915 RP; EE Czech choir (444 12/24 Audette-MA)  
 7345 0350 RP; EE "Indian Love Call" (444 12/26 Forbes-TX)(McKinney-PA)(Blaize-LA)  
 (Dilk-NJ)(Davis-GA)(Byron-NY)(Slovinski-CA)( McCool-MS)(Munster-GA)

CZECHOSLOVAKIA

9540 0140 RP; EE mx heavy QRM (422 12/25 Prath-FL)  
 9605 1500 RP; Czech tlk nx (534 12/14 Miller-CA)  
 9740 0111 RP; EE czech waltz mx (444 12/27 Yajko-PA)(Fraser-MA)  
 11855 0810 RP; EE nx of African situation (433 1/5 Famularo-NJ)(Audette-MA)  
 11990 1430 RP; EE nx abt the Pacific (534 12/18 Miller-CA)(Berkholtz-MN)  
 (Rudolph-AL)(Boerst-FL)  
 15290 0320 RP; GG Xmas mx (443 12/26 Schaap-JAMAICA)  
 17840 1605 RP; EE Czech Christmas mx (433 12/24 Audette-MA)  
 21615 1530 RP; EE freq and time schedule (322 12/23 Zilmer-WI)

DENMARK

15165 1858 RD; EE/Danish IS anncr in EE then Dannish prgm (343 1/2 Mosier-CA)  
 (Coleman-MA)(Hodson-MN)

FINLAND

9645 0330 RF; EE freq's annced (433 12/25 Zilmer-WI)(Grenier-CA)(Audette-MA)  
 (Boehm-TX)  
 15265 1300 RF; EE "Northern Reprt" nx (43312/21 Leeman-RI)(Blom-NY)  
 15400 1430 RF; EE om w/ tlk on Nuclear power plants in Finland (444 1/9 Valentine-CA)  
 (Smith-FL)(Schroeder-WI)(Forbes-TX)(Mills-BWI)(Grenier-CA)(Munster-GA)  
 (Earhart-PA)  
 21475 1445 RF; EE mx (444 12/31 Thurman-IL)(Dilk-NJ)(Baker-DE)(Cucura-PA)  
 (Davis-GA)(Kana-GA)

FRANCE

11705 1742 RFI; EE "You asjed for it" mx (433 1/6 Audette-MA)  
 15360 1725 RFI; EE om w/ Christmas mx (433 12/24 Audette-MA)(Hrivnak-IL)(Smith-CA)  
 17720 1705 RFI; EE "PCA" anncr w/ Christmas mx (433 12/8 Davis-GA)(Schroeder-WI)  
 (Lucas-CA)  
 17850 1700 RFI; EE nx abt the Iranian radio station that was taken (443 12/5  
 Byron-NY)  
 17860 1729 RFI; EE ID "PCA" address for RFI (433 12/6 Hodson-MN)(Audette-MA)  
 21535 1730 RFI; EE cmty on Rhodesian problem (343 12/8 Connell-CA)  
 21585a 1700 RFI; EE "PCA" (333 12/9 Davenport-TN)(Dilk-NJ)(Cereghin-MD)  
 21620 1640 RFI; EE prgm "Sports on Monday" (544 12/17 Mills-BWI)(Miller-CA)  
 (Thompson-GA)(Mosier-CA)(Slavinski-CA)  
 25820 1513 RFI; FF American mx TC's ID's (322 12/25 Thurman-IL)  
 25900 1430 RFI; FF mx tlk (444 12/25 Kaufman-NY)

GERMANY (FED REP)

5960 0845 DW; EE om w/ tlk on the "Year of the Child" (454 1/1 Audette-MA)  
 6005 0330 RIAS; GG tlk om mx nx (333 12/12 Vranes-PA)(Lowe-AR)  
 6030 0710 Bayerischer Rundfunk; GG tlk (Radcliff-IL)(Durnavich-IL)(Audette-MA)  
 6085 0758 Bayerischer Rundfunk; GG tlk (333 12/23 Vranes-PA)(Radcliff-IL)(Lowe-AR)  
 6190 0714 Sender Fries Berlin; GG US rock mx (322 1/5 Lowe-AR)(Audette-M)  
 7130 2125 DW; EE tlk on tourism in Europe (433 12/21 Audette-MA)  
 7145 2125 DW; Pol'sh om w/ prgm of US rock mx (433 1/1 Audette-MA)  
 7210 0210 DW; EE; y1 w/ Science and Technology prgm (333 12/21 Audette-MA)  
 7265 0335 Sudwest Funk; G3 disco mx (322 12/17 Blaize-IA)(Durnavich-IL)  
 (George-TX)(Famularo-NJ)(Lowe-AR)  
 9700 0034 DW; GG greetings to lisners in the world (433 12/23 Berkholtz-MN)  
 9735 0232 DW; GG mx cmty (444 12/21 Berkholtz-MN)  
 9765 1934 DW; EE om w/ nx ID "Window on the World" (444 1/1 Audette-MA)  
 11785 0102 DW; Portuguese mx (333 12/23 Berkholtz-MN)  
 15115 1559 RFE; Bulgarian IS s-on tlk (433 1/5 Thompson-CA)  
 15135 1750 DW; EE om w/ "Window on the World" (232 12/28 Audette-MA)  
 15275 1800 DW; GG nx (333 12/16 Berkholtz-MN)  
 17725 1757 RL; FF ID then IS (343 12/22 Raya-RA)  
 17835 1820 RFE; Szech ID tx by om (433 12/24 Prath-FL)  
 21560 1505 DW; GG nx cmty (333 12/8 Prath-FL)  
 21600 1715 DW; EE German sports review (433 12/26 Zilmer-WI)(Siddons-FL)  
 21720 1635 RFE; Czech tlk by om/y1 (333 12/25 Prath-FL)  
 21745 1855 RL; RR ID by om political tlk (444 12/22 Prath-FL)

GERMANY (DEM REP)

6010 0030 RBI; SS tlk by om (222 1/3 Draeseke-CA)



GERMANY (DEM REP) cont

6070 0002 RBI; SS IS ID into nx (2221/3 Draeseke-CA)  
 7260 \*2030 RBI; EE om ID nx (322 12/27 Audette-MA)  
 9600 2358 RBI; PP tik by om/ y1 (222 12/21 Draeseke-CA)  
 9730 0115 RBI; EE cmtly mx (444 12/16 Franzis-CT)(Davenport-TN)  
 15240 1450 RBI; EE African nx (333 12/22 Grenier-CA)(Valantine-CA)(Morrison-NC)  
 21465 1430 RBI; EE "Mailbag" (433 12/23 Zilmer-WI)(Yajko-PA)(Audette-MA)

GREECE

9515 0220 VOG; EE ID "This is the Voice of Greece" (433 12/3 Davis-GA)(Peck-NY)  
 11730 2358 VOG; Greek/EE test tones ID nx (433 12/11 Durnavich-IL)  
 11925 1800 VOG; Greek IS ID (433 12/27 Pettit-IA)(Draeseke-CA)

HUNGARY

9585 0155 RB; EE tlk abt railroads in Hungary (333 12/25 Prath-FL)  
 9833v 0220 RB; EE nx ID (323 12/19 Davis-GA)(Byron-NY)(Durnavich-IL)(Peck-NY)  
 (Prath-FL)  
 17710 \*2330 RB; Hungarian "Hungarian Fantasia" ID (443 12/16 Peck-NY)(Yajkoe-PA)

ITALY

5990 \*2200 RAI; EE ID by y1 nx (333 12/18 Audette-MA)  
 9575 0115 RAI; EE y1 anncing nx (344 12/18 Siddons-FL)(Phillips-CT)(Baker-DE)  
 (Blom-NY)(Davis-GA)(Earhart-PA)  
 9710 2200 RAI; EE tlk abt Russian invasion (222 1/6 Blom-NY)  
 21690 1357 RAI; Itakian ID bells (445 12/15 Thompson-MM)

LUXEMBOURG

6090 0100 RL; EE mx prgm w/ om DJ (333 12/29 Maisé-IA)(Hrivnak-IL)(Famularo-NJ)  
 (Moman-ALB)(Rosewarne-CA)(Brewer-TN)

MALTA

6100 01455 DW; EE "News and Views" (444 12/8 Sanderson-AZ)  
 9545 0500 DW; GG wld nx (555 12/16 Willis-PA)(Berkholtz-MN)  
 9670 \*0700 Kandir Malta; EE off abruptly at 0751 (444 1/5 Blom-NY)(Cunningham-CT)  
 11865 0130 DW; EE wld nx (322 12/7 Davis-GA)(Davenport-TN)  
 21650 1114 DW; JJ ID om anncr (353 11/20 Kobayashi-JAPAN)

MONACO

9495 0845 TWR; EE om w/ rel tx on the past year (444 12/13 Audette-MA)(Drew-TX)  
 (Hesch-NY)(Binau-MD)(Slovinski-CA)

NETHERLANDS

5955 0810 RN; DD sx reports (343 12/10 Munster-GA)  
 11930 1300 RN; EE nx to Europe (322 12/22 Zilmer-WI)  
 17605 1846 RN; EE tlk on nuclear arm race (253 12/15 Drew-TX)(Dilk-NJ)

NORWAY

6005 0155 RN; Norwegian mx (222 12/15 Draeseke-CA)  
 9590 2100 RN; Norwegian IS (444 1/4 Blom-NY)(Schroeder-WI)(Audette-MA)  
 11870 0210 RN; EE om w/ tlk interviews (444 12/30 Audette-MA)  
 11935 1900 RN; NN IS ID nx (221 12/25 Loren-CA)  
 15175 2109 RN; NN wx for Norway (433 12/15 Berkholtz-MN)(Mellinger-NJ)(Miller-CA)  
 17840 1440 RN; EE cmtly on Norway (222 12/2 Davis-GA)(Schaap-JAMAICA)  
 21655 1610 RN; EE om w/ a prgm on the past year in Norway (333 12/30 Audette-MA)  
 (Murakami-JAPAN)  
 21730 1604 RN; EE "Norway this Week" (333 12/23 Yajko-PA)(Audette-MA)(Earhart-PA)

POLAND

6095 0231 PR; EE mx s-off (333 12/20 Cereghin-MD)(Prath-FL)  
 6135 0529 PR; GG IS tlk (343 12/9 Ray-PA)(Prath-FL)(Donly-SC)  
 7145 0215 PR; EE Xmas mx (322 12/25 Prath-FL)  
 7270 0435 PR; SS/PP tlk ID into PP (333 12/15 Draeseke-CA)(Zilmer-WI)(Schaap-  
 JAMAICA)(Prath-FL)(Lobdell-MA)(Brown-IL)  
 9525 2002 PR; EE ID nx to Africa (333 12/17 Famularo-NJ)

POLAND cont

11815 0200 PR; EE nx mx (222 12/14 Durnavich-IL)  
 15129 0300 PR; EE "This week in Poland" mx (433 11/11 Hesch-NY)(Zilmer-WI)

PORTUGAL

6025 0505 RP; EE om anncr w/ nx (545 12/25 Rosewarne-CA)(Pettit-IA)(Prath-FL)  
 (Cereghin-MD)(Blom-NY)(Moman-ALB)(Forbes-TX)(Audette-MA)  
 11935 0335 RP; PP mx annmnts (444 12/25 Prath-FL)(Berkholtz-MN)(Mosier-CA)(Smith-  
 FL)(Moss-CA)(Davis-GA)  
 15340 1910 RP; EP om w/ cnty (433 12/23 Smith-CA)  
 17880 1805 RP; EE om w/ nx ID (222 12/28 Audette-MA)(Miller-CA)

ROMANIA

5990 0135 RB; EE nx cnty mx (343 12/21 Prath-FL)(Cereghin-MD)(Trummel-IL)  
 7195 1938 RB; EE "Listners Letterbox (333 12/16 Audette-MA)  
 9510 0135 RB; EE tx abt Romania (322 12/15 Durnavich-IL)(Draeseke-CA)  
 (Byron-NY)  
 9570 0200 RB; EE tx abt Youth Club (433 12/11 Stone-ONT)(Schroeder-WI)  
 15250 1310 RB; EE cnty ID press review (433 12/24 Audette-MA)  
 15335 0702 RB; EE wld nx (444 12/7 Brown-IL)

SPAIN

6065 0516 SFR; EE sked address (534 12/29 Rosewarne-CA)(Schaap-JAMAICA)  
 (Audette-MA)  
 9360 2300 SFR; SS mx (433 12/23 Dilk-NJ)(Berkholtz-MN)(Schaap-JAMAICA)  
 (Blaize-IA)  
 9630 0000 SFR; EE om w/ Christmas carols (444 1/10 Valentine-CA)  
 (Phillips-CT)(Drew-TX)(Berkholtz-MN)(Schaap-JAMAICA)(Davis-GA)  
 (Thompson-NM)  
 11775 0101 SFR; SS mx (444 12/23 Berkholtz-MN)  
 11880 0145 SFR; EE review of DX-ing in the past year (544 1/7 Valentine-  
 CA)(Smith-FL)(Schaap-JAMAICA)(Berkholtz-MN)(Blom-NY)  
 (Schroeder-WI)(Gaede-CA)  
 17890 1530 SFR; SS mx nx (534 12/1 Miller-CA)

SWEDEN

6065 0650 RS; Swedish relay of HS 1st Program (222 12/15 Draeseke-CA)  
 (Audette-MA)  
 9695 0230 RS; EE ID yl XMAS mx (322 12/26 Schaap-JAMAICA)(Audette-MA)  
 11705 0250 RS; EE tlk by 2 Om on rainbow trout (444 12/7 Trummel-IL)  
 (Forbes-TX)(Valentine-CA)(Oakley-OR)(Schaap-JAMAICA)  
 (Cereghin-MD)(Berkholtz-MN)  
 11845 2100 RS; EE special XMAS prgm (333 12/24 Zilmer-WI)  
 11905 0030 RS; EE mailbag (333 12/23 Witte-CA)(Audette-MA)  
 15240 1830 RS; EE imterview mx (322 12/23 Zilmer-WI)  
 15275 2300 RS; EE mailbag (333 12/23 Zilmer-WI)  
 21615 1420 RS; EE "Mailbag" (333 1/2 Cereghin-MD)(Dilk-NJ)(Cucura-PA)  
 (Davis-GA)  
 21700 1412 RS; EE "Panorama" (232 12/27 Audette-MA)

SWITZERLAND

3995 2102 SRI; SS IS nx (222 1/1 Cereghin-MD)  
 6165 0700 SRI; EE ID nx (544 12/9 Mappin-WA)  
 7210 0600 RCBS; EE IS trumpet IS (322 12/24 Pettit-IA)  
 9535 1530 SRI; EE ID TC nx (444 12/24 Mappin-WA)  
 9560 0700 SRI; EE nx ID (444 12/23 Schaap-JAMAICA)(Kowalski-WI)  
 9725 0153 SRI; EE "Dateline" (222 12/15 Cereghin-MD)(Stone-ONT)  
 (Hodson-MN)(Schroeder-WI)(Mosier-CA)  
 11715 0149 SRI; EE "Dateline" (444 12/13 Thompson-NM)(Davis-GA)(Whitte-CA)  
 (Baker-DE)(Gaede-CA)  
 15125 1830 SRI; EE om w/ nx "Dateline" (333 12/24 Audette-MA)(Lucas-CA)  
 17735 1345 SRI; EE/GG nx ID (333 1/1 Prath-FL)  
 17830 2331 SRI; Gg nx (343 12/15 Berkholtz-MN)(Grenier-CA)  
 21570 1530 SRI; EE wld nx tlk prgm (333 1/5 Grenier-CA)(Yajko-PA)  
 (Audette-MA)(Prath-FL)(Pettit-IA)(Dilk-NJ)(Lucas-CA)

SWITZERLAND cont

21585 1819 SRI; EE s-on into nx (433 12/22 Yajko-PA)

UNION OF SOVIET SOCIALISTIC REPUBLICS

## RADIO KIEV

7150 0310 EE; "Ukranian Panorama" (433 12/13 Forbes-TX)(Pettit-IA)  
 7215 0045 EE; tlk on the Ukranian coal mining (333 12/27 Audette-MA)  
 (332 12/1 Byron-NY)(Cereghin-MD)  
 7400 0305 EE; tlk abt skiing and snow in the Ukrain (434 12/17  
 Blaize-LA)(Audette-MA)  
 15240 0034 EE; wld and home mx ID wx (454 12/27 Audette-MA)(Pokatiloff-IL)(McKinney-PA)(Stone-ONT)(Schroeder-WI)  
 17870 0045 EE; tlk abt the system of wages in the USSR (444 12/23  
 Witte-CA)

## RADIO MOSCOW

4040 0830 RR; Mayak IS tlk by yl ID (444 12/29 Loren-CA)  
 5015 2120 RR; classical mx IS (232 12/30 Moore-PA)(Mappin-WA)  
 (Connell-CA)  
 5065 0701 RR; Mayak nx by om (353 12/21 Moore-BA)  
 5970 0630 RR; Mayak IS ID opera mx (333 1/1 Connell-CA)  
 6015 0200 RR; Mayak IS TC nx (232 12/12 Durnavich-IL)  
 7150 0400 EE; TC bells nx (333 12/17 Blaize-LA)  
 7165 0150 EE; via Lvov mx and tx (323 1/8 Pokatiloff-IL)(Blaize-LA)  
 7370 0200 SS; via Moscow tlk prgm (333 12/22 Pettit-IA)  
 73800 0310 SS; via Lvov tlk abt communications flutter QRM (433 12/17  
 Blaize-LA)  
 7390 2146 EE; via Moscow ID yl w/ rock mx (322 11/24 Hodson-MN)  
 7420 0300 RR; IS nx in Slayic language (333 12/17 Blaize-LA)  
 7440 0300 EE; via Novosibirsk IS nx (343 12/17 Blaize-LA)(444 11/29  
 Connell-CA)(Trummel-IL)  
 9470 2357 SS; via Armavir mx (333 1/1 Berkholtz-MN)  
 9490 2345 EE; ID om w/ tx on Baku oil fields (433 12/20 Hodson-MN)  
 (Byron-NY)(Schaap-JAMAICA)(Blaize-LA)(Berkholtz-MN)  
 9530 0016 EE; via Simferopol "Spotlight on Sports" (222 1/8  
 Pokatiloff-IL)  
 9550 1700 Serbo-Croat? TC IS ID (222 12/19 Draeseke-CA)  
 9600 2200 EE; IS ID freq anncmt (322 12/12 Pettit-IA)  
 9610 0148 EE; via Lvov cmtly mx (423 12/21 Schaap-JAMAICA)  
 9685 0135 EE; mx (444 12/15 Rudolph-AL)  
 11630 1730 EE; via Moscow cmtly on Afghanistan (332 12/9 Connell-CA)  
 11890 1300 EE; "News and Views" (433 12/21 Leeman-WI)  
 11900 1215 EE; "Moscow Mailbag" nx (343 1/5 Zilmer-WI)  
 11980 0900 EE; via Vinnitsa nx cmtly (333 1/2 Durnavich-IL)(Schaap)  
 12010 1320 EE; via Nikolayev om w/ wls Service (433 1/7 Valentine)  
 (Dilk-NJ)(Pokatiloff-IL)  
 12030 0220 RR; melody of Walt Disney title themes (333 12/29  
 Gaede-CA)  
 15135 1320 EE; via Plovdiv nx cmtly political tlk (333 12/25 Prath-FL)  
 15140 0430 EE; via Vladivostok nx readings from a book (444 12/27  
 Mose-CA)  
 15180 0333 EE; via Petropavlovsk nx (333 12/30 Berkholtz-MN)  
 15265 0224 EE; cmtly (333 12/31 Berkholtz-MN)  
 17720 0011 EE; via Petropavlovsk nx cmtly (333 12/23 Berkholtz-MN)  
 (Thompson-NM)(Valentine-CA)  
 17730 0900 EE; nx prgm (333 1/2 Durnavich-IL)  
 17855 1130 EE; nx (343 12/17 Zilmer-WI)  
 21555 1300 EE; via Armavir nx (322 12/23 Zilmer-WI)(Marakami-JAPAN)  
 21600 0845 EE; via Leningrad mx ID nx (333 1/2 Durnavich-IL)

## RADIO STATION PEACE AND PROGRESS

9625 1530 EE; ID "Roundup of Events" nx (433 12/6 Hodson-MN)  
 11890 1549 EE; ID cmtly on Indo-China (444 12/24 Audette-MA)

Well no more room for any more loggings this month. Thanks for all the cards for Christmas and my Birthday. See you all next month

# SWBC DX

## AFRICA



Editor: WAYNE OLIVER  
 1 GERMAIN AVENUE  
 BRADFORD MA 01830



**FEBA**  
 Seychelles

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

**Radio Television Kaduna**

Uncle Sam has done it again!!! Today is the 18th and I still have not received the CDE loggings!!! I have received both of Bob's "received after deadline" reports, but not the regular one with usually half the loggings in a month. Luckily it seems that a lot of reporters sent direct this month, but the column will probably be 3 pages, we'll have to see how far they go.....times/dates GMT....frequencies are in kilohertz.....

### ALGERIA

9610 2100 Radio Algiers: IS, EE s/on, then nx (433 12/16 Moman-ALBERTA)  
 (poor 12/30 Ottaway-CO)(322 12/24 Schweikart-VA)  
 11615 2100 RA: EE ID, freqs, nx/wx (343 12/31 Schweikart-VA)//9610....  
 11810 2105 RA: EE OM w/nx, 2114 disco pgm (322 12/24 Audette-MA)  
 (222 12/8 2003 FF Trummel-IL) Isn't disco dead????...wlo

### ANGOLA

3375t 2218 Radio Nacional: PP tlks, vocals, no ID heard (322 12/23 Yajko)  
 4820 2157 RN: PP tlk, ID as "de Luanda, capital da Republica Popular  
 de Angola transmite a Radio Nacional" (33312/28 Yajko-PA)  
 7001 0535 E.R. Lobito: PP OM tlks, mx (423 12/31 Howell-CA)  
 11955 0500 RN: active on this freq, PP nx/mx, ID, IS at 0529  
 (332 1/7 Takahashi-Japan)

### ASCENSION ISLAND

9580 2330 BBC: BBCWS relay "Prisoner of Zenda" (454 1/1 Munster-GA)  
 15105 0730 BBC: EE ID, nx, cmty (334 12/20 Smith-FL)(333 1800 Traver)  
 15260 0206 BBC: Man in EE about UN in Iran (333 12/29 Gaede-CA)  
 15400 0515 BBC: EE "Breakfast Show" to Africa (353 12/31 Ray-PA)

### BENIN

4870 0558 ORTB: Pop mx, FF ID at 0600 (433 12/23 Kneaskern-NY)(433  
 12/15 Trummel-IL at 2203)

### CAMEROON

4750 2149 Radio Bertoua: FF tlks by YL, FF vocals (343 12/23 Yajko-PA)  
 (Cucura-PA)(Trummel-IL)(Oliver-MA)  
 4850 2200 Radio Yaounde: FF nx until 2203, then EE nx until 2206,  
 followed by FF pgms. FF ID "Radio Yaounde", EE ID "Radio  
 Cameroon". (333 12/31 Schweikart-VA)(Ray-PA)(Rzepka-WI)  
 (Yajko-PA)(Audette-MA)(0500 FF Ottaway-CO)(Radcliff)(Trummel)  
 5010 0540 Radio Garoua: EE nx at 0609, (432 1/2 Reese-KS)(2157 FF  
 Rzepka-WI)(0553 FF Howell-CA)(0530 FF Witte-CA)(Peters-MAN)  
 9745 2130 Radio Yaounde: FF/EE nx, mx pgm //4850 (333 1/1 Rzepka-WI)  
 (433 12/27 1633 FF Thompson-CA)

### CANARY ISLANDS

15365 \*2045 REE-Relay: SS s/on, into mx pgm (333 1/1 Rzepka-WI)(Audette)

### CHAD

4904.5 2106 RNT: FF/vern tlks, mx (222 12/31 Cucura-PA)(232 1958 Audette)

### COMORO ISLANDS

7260t 0253 R. Comores: FF OM tlks, severe ARO QRM (122 1/2 Howell-CA)

### CONGO

3264 2311 RTC: Pop mx, YL FF ID ( 232 12/15 Trummel-IL)



EGYPT  
9475 2055 Radio Cairo: AA mx, chants (433 12/22 Prath-FL)(444 12/27  
0215 Forbes-TX in EE)(333 12/26 0322 EE Berkholtz-MN)  
9805 2319 RC: EE tourism pgm (333 12/13 Smith-FL)(Audette-MA)(Cereghin)  
12050 0310 RC: EE world news and cmnty 0330\* (433 12/27 Binau,MD)  
15475 1635 RC: AA tlks by OM, into AA mx pgm (443 12/24 Prath-FL)  
17670 1805 RC: AA mx pgm, chants (343 12/24 Prath-FL)

EQUATORIAL GUINEA  
4926 2109 Radio Ecuatorial: SS vocals, ID by YL (343 12/26 Yajko-PA)  
(??? 12/9 2130\* SS Holland-NY)(333 12/24 2150-2200\* SS  
Schweikart-VA)  
6250 2146 Radio Malabo: local mx, SS ID, s/off at 2200\* (353 12/30  
Donly-SC)(442 12/16 0650 SS Howell-CA)

GABON  
3350 2127 RTVG-Franceville: FF tlks by YL/OM (333 12/26 Yajko-PA)  
4777 2205 RTVG: FF tlks, afro mx (333 12/27 Schweikart-VA)(Trummel-IL)  
11945 2313 Africa #1: EE/FF/Vern ID w/test pgm (555 12/4 Smith-FL)

GHANA  
3350 2208 Raddo Ghana (Ejura 1): Vern tlks, music (232 12/28 Scweikart)  
3366 2202 RG (Accra 2): EE YL w/SW nx bulletin (322 12/29 Schweikart)  
4915 2150 RG: Vern tlks, mx until 2200 (353 1/1 Ray-PA)(Martin-LA)  
4980 2140 RG: EE drama pgm (343 12/23 Yajko-PA)

GUINEA  
4910 0605 RN: FF Koran readings??? (433 12/15 Howell-CA)  
7125 0600 RN: Afro mx, FF tlks, ID at 0610 (433 12/8 Martin-LA)

GUINEA-BISSAU  
5041 0643 RN: Afro mx, PP ID (353 12/28 Vranes-PA) best receipt. to date!

IVORY COAST  
4940 2115 RTVI: FF tlks,mx, ID (333 12/26 Yajko-PA)(Oliver-MA)  
7215 \*0600 RTVI: FF s/on, OM anns (433 12/14 Kneaskern-NY)

KENYA  
4915 0310 VOK: Vern OM nx (12/29 433 Howell-CA)

LIBERIA  
3227 2153 ELWA: Vern tlks by OM QRN (333 12/28 Yajko-PA)(2216 Donly)  
4770 2140 ELWA: EE rlg pgm, ID (322 12/27 Scweikart-VA)(Yajko)(Audette)  
6035 0320 VOA: EE tlks on economic development (444 12/15 Thompson-NM)  
(444 1/1 0555 EE Audette-MA)  
11930 \*0623 ELWA:Multi-lang ID, into vern pgm (242 12/10 Lucas-CA)  
15445 1645 VOA: EE to Africa //15410(Greenville) (222 12/24 Prath-FL)  
17865 0315 VOA: EE tlks on Iran (353 12/11 Earhart-PA) kart)  
17870 2050 VOA: EE country music pgm, ID, "Weekend" pgm (343 12/29 Schwei-

LIBYA  
5980 0610 SPLAJBC: Endless AA chants (12/22 Radcliff-IL)

MADAGASCAR  
3285 1520 Radio Madagaskara: Malagasy tlks, drum mx (433 12/29 Oakley)  
15220 \*2030 Radio Nederland: EE ID, Newsline (454 12/5 Smith-FL)

MALI  
5995 2300 RNM: Man w/FF tlks, afro mx(fair 12/22 Ottaway-CO)(Witte-CA)  
11960t 0708 RNM: FF/vern tlks, mx, no ID (232 12/30 Lucas-CA)

MAURITANIA  
4845 2153 RNM: AA chants, tlks (333 12/23 Yajko-PA)(453 1/2 0600 AA  
Howell-CA)(Witte-CA)(Martin-LA)(Blom-NY)(Oliver-MA)

MOROCCO  
15205 0118 VOA: EE mx (444 12/16 Berkholtz-MN) listed as Colombo by VOA?

MOZAMBIQUE  
3338 \*0255 RCM: IS, EE/FF ID, into mx/chants PP pgm (poor 12/30 Ottaway)  
4865 0625 RCM: FF/vern ID, afro mx (433 12/29 Witte-CA)  
9618a 2215\* RCM: PP ID and s/off, QRM de Belgrade/Vatican (333 ???Vranes)

NIGER  
5020 0649 ORTN: Vern tlks, afro mx (232 12/23 Martin-LA)(Howell-CA)  
3260t 2200 ORTN: FF tlc by OM, NA, 2203\* (323 12/23 Yajko-PA)

NIGERIA  
4932 2220 FRCN-Benin City: EE tlks by OM, ID (454 12/18 Trummel-IL)+4  
4990 2135 FRCN-Lagos: EE OM w/nx/mx (232 12/31 Audette-MA)+5 rpters...  
6145 2108 Cross River Radio: (Calabar) 2108 relay from Lagos, 2115 ID  
"this is Cross River Radio" (353 12/21 Vranes-PA)  
7255 \*0455 VON: EE YL anns, "West African Scene" (433 12/29 Moss-CA)+3  
11770 2133 VON: EE nx by OM, cmnty, 2145 ID/TC (343 12/28 Donly-SC)

RWANDA  
9700 0745 DW: EE/vern ID, f/out by 0811 (333 12/20 Witte-CA) Kigali? wlo

SENEGAL  
4890 0615 Radio Senegal: FF ID, native mx (322 1/4 Blom-NY)(Howell-CA)

SEYCHELLES Oakley-CA)  
11860 1605 FEBA: Vern nx, parts of speech by Carter in EE (434 12/29  
15325 0445 FEBA: EE/Farsi ID, Relg pgms (433 12/30 Smith-FL)(Holland)  
15400 0345 FEBA: Farsi pgms, wobbly signal (222 12/16 Cereghin-MD)(Yajko)

SOMALIA  
9585 1710 Radio Mogadishu: AA YL tlks, nx ID at 1730 (342 12/9 Howell-CA)  
(433 12/28 1920 AA Audette-MA)(333 12/8 0621 AA Martin-LA)

SIERRA LEONE (Sorry....out-of-order.....)  
5980 0610 SLBC: EE nx features, ID by OM (444 12/8 Martin-LA)

SOUTH AFRICA  
4835 2116 SABC: last few minutes of EE rlg pgm (242 12/27 Sweikart)  
6115 2045 SABC: OM in EE w/mx pgm (333 1/6 Audette-MA)  
11900 0200 Radio RSA: EE "Weekly Survey of Ext. Affairs" (544 12/22  
Heyman-NY)(Gaede-CA)(Cereghin-MD)(Earhart-PA)(Berkholtz-MN)  
11935 1540 R. RSA: Lozi tlks by OM (listed lang) (533 12/15 Thompson-CA)  
15155 0245 R.RSA: EE nx in brief off at 0250\*/15220 (443 12/21 Prath-FL)  
(Slovinski-CA)(Witte-CA)(Pettit-IA)(Somers-CA)(Oakley-CA)  
17780 0454 R.RSA: EE/FF ID for FF service, TC, nx (333 12/14 Smith-FL)  
(Dunn-CA)(Oliver-MA)  
17805 2224 R.RSA: EE + other langs w/New Years Call in (444 12/31 Audette)  
21535 2155 R.RSA: EE ID's, freqs, cmnty (454 12/12 Thompson-NM)(Pettit)  
25790 1503 R.RSA: EE nx, ID cmnty on Rhodesia (454 12/6 Cucura-PA)

SWAZILAND  
3200 0259 TWR: IS, EE ID into Vern pgm (252 12/31 Peters-MANITOBA)  
3240 0307 TWR: Zulu (WRTVH) tlks, rlg mx (323 1/1 Yajko-PA)  
4790 0330 TWR: Vern ID, hymns (343 12/27 Peters-MAN.)(Howell-CA)(Fisher)  
5055 0325 TWR: EE religious talks (333 12/29 Yajko-PA)

TANZANIA  
4785 2045 Radio Tanzania: Swahili ID at 2046 (333 12/28 Yajko-PA)

TOGO  
5047 0555 RTT: FF tlks ID's (222 12/9 Ray-PA)(Stone-ONTARIO)(Witte-CA)

TUNISIA  
7225 0555 RTVT: AA chants, NA 0600 ID (443 1/2 Howell-CA)

UGANDA  
15325 0325 Radio Uganca: EE tlks on life in Uganda (322 12/13 Forbes-TX)  
(333 12/28 Cereghin-MD)(333 12/29 Gaede-CA)

ZAIRE  
15350 2245 La Voix du Zaire: FF YL tlks, pop mx (322 12/16 Howell-CA)

AFRICAN DRUMBEAT

From Sweden Calling DX'ers comes the Following....DX-B 1563 Swaziland:  
TWR broadcasts in French 1900-1945 on 11840 kHz (Stejskal) DX-B 1564 is  
the following...NAMIBIA: The Voice of Namibia is heard in English daily  
around 1630 on 9535 kHz...(Arrington)..... Well that's about it for this  
month...Sorry for the abbreviated version...I used all I had...73's GNU 30

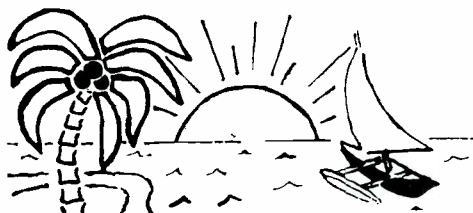
# ASIA-OCEANIA

EDITOR:

JIM MAYER  
1139 LA SENDA DRIVE  
FULLERTON CA 92635

DEADLINE:12th of each month  
FREQUENCIES IN KILOHERTZ  
TIMES ARE IN GMT

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



## ASIA

### AFGHANISTAN

11900 1359 RA: EE w/ bit of IS, tent. ID, communist-slanted nx (322 12/11 Lowe-AR)

### BANGLADESH

*Radio Bangladesh.*

15285 1230 RB: EE w/ IS, ID, into nx pgm (323 12/30 Maise-LA)(Rotramel-AR)(Zilmer-WI)  
21670 1244 RB: EE w/ pop mx, ID, folk mx, 1300\* (333 12/17 Cucura-PA) nf Vladimir??....jwm

### CHINA

2340 1135 Fujian 1: CC YL w/ t/k, CC mx (222 12/23 Cucura-PA)(Lattemann-WA)  
3940 1520 Hubei: EE/CC w/ EE lessons by radio by YL/OM (333 12/8 Connell-CA)  
3970 1530 Inner Mongolia/Nei Menggu: CC w/ opera mx (333 12/8 Connell-CA)  
4830 1214 Liaoning: CC cmt by OM, SSB QRM (232 12/23 Moore-PA)  
4925 1323 Heilongjiang: CC w/ long t/k by OM, // 5950 (454 12/28 Mosier-CA)  
4975 1329 Fujian: CC violin mx, EE lessons, het (322 12/28 Mosier-CA)  
4995 1428 R. Peking: CC classical mx, OM/YL t/k @ 1450 (443 12/17 Thompson-CA)  
5240 1347 FFS 1: CC w/ cmt, // 5265 (444 12/28 Mosier-CA)(Prath-FL)(Donly-SC)  
5265 1115 FFS 1: CC w/ weird singing, YL t/k (333 12/8 Prath-FL)(Mosier-CA)  
5880 1130 Beijing 1: CC play or drama, t/k, mx, // 6750 (332 12/16 Prath-FL)  
5900 1350 FFS 1: CC w/ pgm, under carrier (222 12/28 Mosier-CA)  
5950 1326 Heilongjiang: CC w/ OM t/k, bad het (332 12/28 Mosier-CA)(Witte-CA)  
6260 0011 Beijing 1: CC w/ opera, OM vocal mx (353 1/2 Newell-BC)  
6660 2354 Beijing 1: CC YL t/k w/ flutter (242 12/2 Newell-BC)  
6665 1203 Beijing 1: CC w/ nx by YL/OM, t/k (332 12/15 Prath-FL) I believe both of you are listening to the same station. The freq. is listed as 6665a.....jwm  
6750 0019 Beijing 1: CC opera, // 6260, 6660 (252 1/2 Newell-BC)  
6765 1110 FFS 1: CC t/k by OM/YL, local mx (333 12/16 Prath-FL)  
6840 0021 Inner Mongolia/Nei Menggu: CC opera (354 1/2 Newell-BC)(Prath-FL)  
7025 1150 FFS 2: CC t/k by OM, story? (333 12/15 Prath-FL)  
7085 1126 Xizang: CC mx, YL ancm, t/k (221 12/8 Smith-FL)  
7504 0005 Beijing 1: CC w/ YL t/k, RPTY QRM (232 12/3 Newell-BC)  
7850 1145 FFS 1: CC OM/YL cmt, mx (333 12/6 Hrivnak-IL)(Prath-FL)  
9020 1202 Beijing 2: CC mx, YL t/k (222 12/16 Smith-FL)  
9064 1143 Beijing 1: CC mx, YL w/ story (332 12/16 Smith-FL)  
9290 1315 RP: CC YL w/ mx, 1328\* (333 12/4 Forbes-TX)  
9820 1250 RP: EE pgm w/ cmt, mx, t/k (444 12/25 Prath-FL)(Cereghin-MD)  
9860 1700 RP: EE nx by OM, ID's, mx, t/k (554 12/15 Miller-CA)(Maag-CA)  
9900m 1100\* RP: SS w/ IS, ID's, nx on Afghanistan, USSR (554 1/8 Carrier-VA)(YaJko-PA)  
11302 1210 Beijing 1: CC t/k by YL/OM, local mx (242 12/25 Prath-FL)  
11330t 0100 RP: CC w/ continuous CC opera, no ID (444 12/5 Stone-ONT)  
11455 0049 RP: CC w/ OM t/k (222 12/22 Smith-CA)  
11505 0704 Beijing 2: CC w/ nx by YL (444 12/23 Martin-LA)(Prath-FL) Your UNID Bob.... jwm  
11650 0440 RP: EE w/ CC lessons (333 12/11 Lucas-CA)(Rzepka-WI)(Smith-CA)  
11695 0238 RP: EE w/ CC lessons by YL/OM (433 12/19 Audette-MA)(Stone-ONT)(Cereghin-MD)  
15045 0030 RP: CC w/ mx, not // 15030 (444 12/10 Witte-CA) Marge, they couldn't be // 15030 is Beijing.....jwm  
15095 0100 RP: SS w/ ID, CC mx, polar flutter (222 12/14 Cereghin-MD)  
15200 0200 RP: SS nx, cmt, CC mx, 0255\* (555 12/22 George-TX)(Holland-NY)(Famularo-NJ)  
15300 0123 RP: SS mx, ID by YL (444 12/16 Berkholtz-MN)  
15520 0110 RP: EE ID, nx, t/k on Soviet missiles in Europe, mx (433 12/16 Hodsdon-MN)(Berkholtz-MN)(Carrier-VA)(Valentine-CA)(Stone-ONT)(Somers-CA)(Smith-FL)(Munster)+  
15600 0205 RP: EE w/ OM t/k on Kampuchea/Vietnam, mx (455 12/30 Rosewarne-CA)(Hodsdon-MN)++  
17650 0235 RP: SS w/ OM t/k, ID, mx (454 12/27 Forbes-TX)(Thompson-NM)(Stone-ONT)  
17680 0115 RP: EE YL w/ cmt, ID (322 12/14 Davis-GA)(Berkholtz-MN)(Coleman-MA)(Binaw-MD)+++





JAPAN (continued)

17755 0400 RJ: EE wld. nx by OM, "Current Affairs" (443 11/6 McLean-NY)(Dilk-NJ)(Dunn-CA)  
 (Valentine-CA)(Famularo-NJ)(Maag-CA)(Smith-FL)(Davis-GA)  
 17825 2350 RJ: EE nx, folk mx, tlk on Japan/China Prime Minister meeting (444 12/5 Fraser)  
 (Maise-LA)(Blom-NY)(Berkholtz-MN)(Binau-MD)(Peck-NY)(Forbes-TX)(Munster-GA)++  
 17880 0103 RJ: EE OM w/ nx, cmty, into JJ @ 0115 (444 12/19 Audette-MA)(Yajko-PA)(Blom-NY)  
 21640 0135 RJ: EE nx, cmty, "Japan Today" (444 12/26 Slovinski-CA)(Valentine-CA)(Stone-ONT)++

JORDAN

9560 1545 R. Jordan: EE w/ EZL mx, tlk by OM/YL, ID @ 1559, nx @ 1600, 1610 f/out (322  
 12/18 Martin-LA)

DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA

2302 1440 KCBS Hyesan: KK tlk by OM, better on USB (poor 12/17 Draeseke-CA)  
 2670 1451 KCBS Sariwon: KK tlk by OM/YL (fair 12/17 Draeseke-CA)  
 2745 1515 KCBS Sinuiji: KK w/ OM anncr, rapid cmty (333 12/8 Connell-CA)  
 2766 1458 KCBS Pyongsong: KK tlk by OM/YL, mx @ 1458, better on USB (fair 12/17 Draeseke)  
 2850t 2225 KCBS HS: KK YL w/ political tlk, instr. mx, cmty, fast fade (252 12/24 Moore-PA)  
 3320 1148 R. Pyongyang HS: KK orch. mx w/ chorus, YL tlk, organ mx (333 12/23 Lattemann)  
 6250 2216 RP: KK tlk by OM/YL, local mx, ID by YL @ 2230, tlk by YL (242 12/30 Donly-SC)  
 6540 1210 RP: JJ w/ nice mx, tlk, ID, ancmts by YL (333 12/15 Prath-FL)  
 6600 2230 KCBS HS: KK YL w/ harangue (544 12/2 Newell-BC)(Connell-CA)  
 9420 0600 RP: EE local/regional nx, long cmty (232 12/4 Slovinski-CA)(Earhart-PA)(Mosier)++  
 9977 2302 RP: EE anthem, ID by YL, sked by OM (333 12/31 Connell-CA)(Durnavich-IL)(Hrivnak)  
 (Newell-BC)(Hesch-NY)(Fraser-MA)(Berkholtz-MN)(Carrier-VA)(Hodsdon-MN)(Pimblett)++  
 11350 2250 KCBS HS: KK OM w/ strident tlk, QSB (433 1/3 Lowe-AR)(Nolden-CT)(Famularo-NJ)++

REPUBLIC OF KOREA

7550 1245 R. Korea: EE OM w/ nx (444 1/6 Valentine-CA)  
 9580 0930 RK: KK/EE folk mx, EE ID @ 1000, New Year's message (444 1/1 Connell-CA)  
 9720 1600 RK: EE IS, ID, nx, cmty, tourist info., freq./time sked (333 12/19 Zilmer-WI)(353  
 Hensley-TX)(Audette-MA)(Thompson-CA)(Ray-PA)(Miller-CA)(Blom-NY)  
 9870 1600 RK: EE nx, predictions for 1980 (343 1/5 Zilmer-WI)  
 11820 2300 RK: EE nx, BBC QRM (322 1/5 Zilmer-WI)  
 11830 \*1800 RK: EE s/on, into nx, co-channel QRM (333 1/7 Thurman-IL)(Rosewarne-CA)(Thompson)  
 12090 1245 RK: EE nx, cmty, mx, freqs. (333 12/29 Zilmer-WI)  
 15570 2300 RK: EE nx, editorial, ID, pgm sked by OM (433 12/27 Binau-MD)(Hodsdon-MN) +8

KUWAIT

6055 2025 R. Kuwait: AA mx, chants (443 1/1 Famularo-NJ)  
 11665nf1949 RK: EE mx by Dr. Hook, ID by OM (433 11/30 Martin-LA)(Audette-MA)(Zilmer-WI)  
 (Holland-NY)(Cereghin-MD)(Munster-GA)  
 21605a 1800 RK: AA? OM anncr in local tlk w/ AA mx (433 12/9 Davenport-TN)(Thompson-NM)(Prath)  
 21685 1840 RK: AA tlk by OM, not // 21605 (454 12/22 Prath-FL)(Kaufman-NY)

LAOS

6130t 1020 Vientiane: Lao w/ definite Lao mx w/ chanting/shouting, heavy QRM, QSB (222 12/4  
 Holland-NY)

LEBANON

6550 0407 V. of Lebanon: AA w/ mx box IS, into "Bridge Over River Kwai", ID by YL, pop  
 mx to 0418, nx in AA by OM, ments of Beirut (333 12/30 Fisher-MA)(Peck-NY)(Maise)

MALAYSIA (Peninsular)

9665 1625 RTM Kuala Lumpur: EE w/ big band mx, OM/YL anncrs (323 12/21 Witte-CA)  
 9740 1305 BBC relay: EE wld. svc. pgm w/ nx, tlk (242 12/25 Prath-FL)

Sarawak

4950 1433 RMS Kuching: EE local nx by OM, ID @ 1437, EZL mx (443 12/8 Lattemann-WA)(333  
 Thompson-NM)  
 5030t 1341 RMS Kuching: Bidayuh w/ discussion, nx? (343 12/28 Mosier-CA)

His Majesty's Government  
 Department of Broadcasting  
 RADIO NEPAL

MONGOLIA

6385 \*1223 RUB: EE w/ chimes, ID to SEA and FE (433 1/1-5 Rotramel-AR)  
 12070 1235 RUB: EE ID's, mx, YL anncr, sudden 1250\* (333 12/22 Maise-LA)(Rotramel-AR)

NEPAL

3425 1413 R. Nepal: Nepali/EE oriental mx, YL anncr, EE ID @ 1436, gave // 9590 but not  
 hrd (good 12/18 Draeseke-CA) Good?????.....GREAT!!....jwm  
 9589 1146 RN: Lang. w/ IS, ancmnt by OM, overpowered by USSR station (poor 12/24 Lobdell-NJ)

101 total reporters this month! That sets a new record.....jwm

OMAN  
11890 2000 R. Oman: AA w/ readings of portions of the Holy Qur'an, 2010\*, anthem (353 1/1 Donly-SC)(Vranes-PA)  
15310t 1232 BBC relay: EE w/ pop mx (??? 12/25 Holland-NY)(Famularo-NJ)(Zilmer-WI)++

PAKISTAN

11640 1330 R. Pakistan: Lang. w/ local mx, tlk (333 12/25 Zilmer-WI)  
17641 1650 RP: EE nx, // 21605 (322 12/24 Zilmer-WI)  
17663 1105 RP: EE nx in slo-speed (333 12/16 Zilmer-WI)  
17830 0230 RP: EE ID, freq., TC, nx in slo-speed (444 12/13 Thompson-NM)(Forbes-TX)  
21590 \*0230 RP: EE nx by OM (333 12/14 Durnavich-IL)(Moman-ALB)  
21755 1603 RP: EE nx, 1615\* (333 12/15 Dilk-NJ)(Hensley-TX)(Zilmer-WI)

PHILIPPINES

6110 1340 VOA relay: EE w/ science tlk, orch. mx, cmt, ID, freqs. (454 12/18 Thompson-NM)  
9580 1018 R. Pilipinas: EE "Know Your Neighbors", mx requests (excellent Kana-GA)(Miller)  
11955 1432 RVA: EE w/ listener's requests for pen-pals, ID, QTH (332+ 1/4 Famularo-NJ)  
15155 0100 RVA: JJ w/ pgm, ID by YL, tlk (544 12/17 Miller-GA)  
15285 0035 RVA: EE pgm of XMAS mx, ID @ 0052 (242 12/25 Donly-SC)  
15290 0028 VOA relay: EE w/ nx summary, TC, "Breakfast Show", mx (343 12/27 Audette-MA)  
17740 0047 VOA relay: EE "Breakfast Show" w/ tlk on gasohol (343 12/31 Mosier-GA)(Trummel-IL)  
17790 0030 RVA: EE ID's, YL tlk, mx by Rod Stewart, freqs. (433 1/7 Kana-GA)(Rosewarne-GA)  
17810 0030 FEBC: EE w/ ID by OM, nx, rel. pgm (353 12/31 Mosier-GA)(Loren-GA)(Forbes-TX)+++  
17820 0020 VOA relay: EE w/ "People in the News", ID (433 12/20 Audette-MA)

QATAR

9570t 2030 QBS: AA tlk by OM, under het from SFR (222 12/16 Peck-NY) Nice catch.....jwm

SAUDI ARABIA

5875 2205 BSKSA: AA mx w/ soft tlk by OM, ID @ 2218 (343 12/27 Donly-SC)  
11685 2008 BSKSA: AA w/ tlk by OM, nx?, UTE QRM (332 12/25 Mayer-GA)  
11854 1840 BSKSA: EE w/ classical mx, ID, nx @ 1900 (333 12/10 Cucura-PA)(Audette-MA)(423 Draeseke-GA)(Donly-SC)(Zilmer-WI)(Kana-GA)  
11870 1450 BSKSA HS: AA chanting w/ long pauses (poor 12/16 Draeseke-GA)  
11950 1450 BSKSA HS: AA chanting, better on USB (poor 12/16 Draeseke-GA)  
15060 1600 BSKSA: AA tlks, chanting (353 12/19 Thompson-NM)(Moman-ALB)  
21545 1502 BSKSA HS: AA chanting, // 11950 (fair 12/16 Draeseke-GA)

SINGAPORE

3915 1558 BBC relay: EE OM w/ pgm review, ID, TC, TP's, nx (232 12/11 Lucas-GA)  
9570 2303 BBC relay: EE w/ nx by YL, ID, cmt, on the French budget (232 12/29 Audette-MA)

SRI LANKA

4968 1254 SLBC 1: Vern. w/ OM/YL tlks, ID, local/rel. mx (322 12/19 Trummel-IL) This is listed as brd'ing in EE according to the WRTH.....strange.....jwm  
9720 1655 SLBC: EE mx, YL w/ ID @ 1700 (322 1/1 Rzepka-WI)(Thompson-CA)(Miller-CA)(Semesky)  
11800 1222 SLBC: Tamil mx, ID by OM, nx (423 12/8 Holland-NY)  
15120 1930 SLBC: EE w/ "Voice of Prophecy" pgm, mx (fair 12/22 Ottaway-CO)  
15425 0145 SLBC: EE "All Asia Svc." w/ tlk, // 9720 (fair 1/2 Draeseke-GA)(Witte-GA)(Zilmer)

TAIWAN

11745 2318 VOFC: SS w/ CC mx, ID by OM, cmt, (433 12/19 Audette-MA)(Dilk-NJ)  
15270 2200 VOFC: EE nx, cmt, local mx, 2240\* (332 12/15 Zilmer-WI)(Rosewarne-GA)(Berkholtz)+  
15345 0315 VOFC: EE mx, cmt, on anti-Taiwan demonstrations (222 12/19 Dunn-GA)(Mosier-CA)(YaJko-PA)(Audette-MA)(Famularo-NJ)(Witte-GA)(Marshall-AZ)  
17890 0112 VOFC: EE YL w/ nx, ID, CC songs, cmt, // 15345 (333 12/1 Audette-MA)

THAILAND

9655 1415 R. Thailand: Thai w/ tlk by 2 OM's, mx, VOA QRM (433 12/9 Oakley-OR)(Miller-CA)

TURKEY

6340 0505 Turkiye Polis Radyosu: Turkish folk dance mx w/ orch., tlk by OM w/ ments of the Black Sea (332 12/9 Peck-NY)(Donly-SC)  
6900t 0545 V. of Meteorology: Turkish w/ wailing mx, YL singing, continuous string of folk melodies (222 12/16 Peck-NY)  
7170 2203 VOT: EE OM w/ nx, "Review of Turkish Press", ID, pgm of pop mx (433 Audette-MA)  
9515 1850 VOT: Turkish w/ AA type mx, ID, nx @ 1900 (343 1/5 Prath-FL)(Moman-ALB)  
9550 2105 VOT: EE OM anncr w/ pop mx pgm, ID (433 1/5 Audette-MA)  
9585 \*0655 V. of the Comm. Pty. of Turkey: Turkish w/ seven note IS, martial choral "anthem" @ 0700, ID by OM, YL tlk (232 12/16 Peck-NY)  
11955 2215 VOT: EE tlk abt. the Pope's second visit in Ankara (443 12/18 Byron-NY)(545 Rosewarne-GA)(Moman-ALB)(Munster-GA)

**ANKARA**

UNION OF SOVIET SOCIALIST REPUBLICS

- 4485 1721 Petropavlovsk: RR w/ classical mx (242 12/25 Pimblett-ALB)
4520 1256 Palana: RR w/ OM tlk, mx, not // 4485 (333 1/4 Lowe-AR)
4885t 1210 Novosibirsk: RR classical mx, OM ancmts (252 12/23 Moore-VA)
5015 1245 Vladivostok: RR EZL mx, ancmts by YL/OM, ID (234 12/11 Trummel-IL)(Pimblett-ALB)
6155 \*0000 RM/Krasnoyarsk: EE nx by YL (233 12/10 Trummel-IL)
7220 1150 RM/?: CC tlk by OM, ID (fair 1/2 Draeseke-CA)
7320 0713 RM/Magadan: Lang. w/ YL tlk, song by OM, flutter (353 12/31 Munster-GA)
7440 2110 RM/Novosibirsk: EE w/ political tlk abt. NATO (333 12/22 Prath-FL)(Hodsdon-MN)
9505 0619 RM/Novosibirsk?: EE OM tlk on the Helsinki accords (422 1/9 Smith-CA)
9530 0205 RM/?: EE "Panorama" pgm, nx, OM anncr (434 12/5 Davis-GA)
9580 0604 RM/Blagoveshensk: EE OM tlk on Imperialism (222 1/9 Smith-CA)(Maag-CA)
9720a 0200 Radiostansiya Rodina: RR IS w/ OM/YL ID (544 12/22 Heyman-NY)
9780 0845 RM/Nikolaevsk: EE w/ lite mx, ID, nx (333 1/2 Durnavich-IL)

Greetings From Moscow

Azerbaijan S. S. R.

- 4785 0404 R. Baku: RR classical mx, brief tlk by OM w/ ID, f/out @ 0429 (poor 12/22 Radcliff-IL)(Lobdell-MA)(Moore-PA)
11805 0159 RB: SS IS, ID by YL @ 0200 (333 12/14 Trummel-IL)

Georgian S. S. R.

- 4930 0410 R. Tbilisi: RR instr. mx, OM/YL ancmts, IS @ 0430 (252 12/20 Moore-PA)
5040 0320 RT: RR pop mx by OM w/ orch, tlk by OM/YL, TP's @ 0330 (242 12/9 Peck-NY)

Uzbek S. S. R.

- 6025 1215 R. Tashkent: EE cmtly, ID, pgm (454 12/31 Moore-PA)(Cereghin-MD)(Semsky-IN)
9540 1225 RT: EE tlk by OM, mx, ID/IS @ 1230, into RR, not on 9600 as per Legge (343 12/11 Earhart-PA)

11785 1229 RT: EE propaganda re Kabul, ID by OM (good 1/3 Draeseke-CA) Tashkent

UNITED ARAB EMIRATES

- 9695 1846 V. of the UAE: AA w/ pgm of instr. AA mx, no ancmts, tlk by OM @ 1858-1900 w/ ID: "Emirat Arabiyah min Abu Dhabi" @ 1859, more tlk by OM @ 1900, nx brd?, f/out (332 1/6 Donly-SC) A rarity to say the least.....jwm

VIETNAM

- 4944 1535 Hanoi 1: Viet. mx, cmtly by YL (333 12/8 Connell-CA)
10010 0000 V. of Vietnam: CC s/on to China, ID, march mx (343 12/26 Newell-BG)(Yajko-PA)++
10040 0950 VOV: Lang./EE pgm w/ XMAS mx, EE @ 1000 (353 12/24 Moore-PA)(Boehm-TX)(Hodsdon)+++
10060 1150 Hanoi 1: Viet. tlk, mx (344 12/27 Yajko-PA)(Rzepka-WI)(Peck-NY)

YEMEN

- 9780 \*0258 R. San'a: AA w/ bird IS, anthem, into AA chants (444 12/14 Durnavich-IL)(Audette)+

OCEANIA

ARGENTINA/ANTARCTICA

- 6029 0013 R. Nac. Arcangel San Gabriel: SS w/ LA mx, ID, tlk by OM, nx @ 0028, overmodulated (222 11/30 Martin-LA)

RADIO AUSTRALIA

AUSTRALIA

- 4920 1245 ABC Brisbane: EE classical mx, OM w/ ID, nx, spts. (242 12/23 Cucura-PA)(343 Pimblett-ALB)(Yajko-PA)(Ross-ONT)(Semsky-IN)(Brewer-TN)(Moman-ALB)(Prath-FL)+++
5995 1159 RA/Lymhurst: EE ID, TP's, nx by OM (333 12/15 Hodsdon-MN)(Prath-FL)(Holland)++
6035 2120 RA/Carnarvon: EE YL tlk, mx pgm, ID by OM, nx (333 1/6 Audette-MA)
6045 1045 RA/L: EE w/ special pgm, ID's, XMAS mx (333 12/20 Audette-MA)(Yajko-PA)(Zilmer)
6150 1250 ABC Melbourne: EE pgm of lite mx, ID for ABC, TC (232 12/24 Audette-MA)(Zilmer)
9580 1135 RA/Shepparton: EE "Carols by Candlelight" w/ XMAS mx, nx (454 12/24 Fraser-MA) (Dilk-NJ)(Blom-NY)(Clark-KS)
9610 1450 ABC Perth: EE "C.A.L." w/ pop mx (333 12/5 Grenier-CA)(Mosier-CA)(Fraser-MA)+++
9640 1308 RA/C: EE nx, ID (???) 12/25 Holland-NY)(Blom-NY)(Zilmer-WI)
9670 0910 RA/S: EE wld. nx (444 1/6 Grenier-CA)(Holland-NY)(Maag-CA)
9770 1104 RA/S: EE OM w/ wld./nat. nx, TC, ID (333 12/29 Audette-MA)(Carrier-VA)(Grenier)
11800 1836 RA/C: EE w/ Aussie nx, ID, XMAS greetings (433 12/27 Donly-SC)(Audette-MA)
11870 1605 RA/C: EE w/ nx, under RM (322 12/25 Yajko-PA)(Audette-MA)
15205 2330 RA/C: Thai w/ EE ID @ s/on, into Thai pgm (232 12/30 Ray-PA)
15320 0430 RA/S: EE rock mx (???) 12/14 Holland-NY)(Ray-PA)
17795 1830 RA/S: EE w/ Aussie nx, tlk on gasoline (444 12/31 Mosier-CA)(Grenier-CA)(Miller-CA) (Smith-CA)(Dunn-CA)(Maag-CA)(Davis-CA)(Hrivnak-IL)(Maise-IA)
17870 0205 RA/C: EE nx by OM, rock mx (222 12/29 Ray-PA)
21680 0105 RA/S: EE wld. nx, cmtly, mx, into FF (444 12/18 Baker-DEL)(Murakami-JAPAN)
21740 0100 RA/S: EE nx, editorial, OM anncr (544 12/28 Binau-MD)(Hodsdon-MN)(Valentine-CA)++

GUAM

11735 1308 KTWR: EE rel. mx, verse from the Book of John (433 12/5 Forbes-TX)  
11840 0822 KTWR: EE w/ XMAS carols, ID, OM w/ rel. tlk (222 12/15 Cucura-PA)  
17705 0050 KTW: Indo w/ rapid tlk by OM/YL, s/off w/IS @ 0059 (252 12/25 Donly-SC)  
17775 \*0000 KTWR: EE IS, ID, rel. pgm, YL anncr (322 1/4 Blom-Pavelka-NY)

NEW CALEDONIA

7170 0723 R. Noumea: FF OM DJ w/ disco mx (333 12/27 Mosler-CA)(Connell-CA)(McCool-MS)

NEW HEBRIDES

7260. 0858 R. Vila: FF ancm by YL, long church service in EE w/ hymns, native drum mx, ARO open carrier ruined chance to ID (poor 1/6 Lobdell-MA)

**VILA**

NEW ZEALAND

11945 0725 RNZ: EE instr. mx, YL ID w/ TC, wld./local nx, wx, XMAS mx (444 12/16 Thompson-CA)  
15345 0500 RNZ: EE OM anncr w/ nx, spts., wx, 0526\*, heavy QSB (242 12/31 Moss-CA)(343 Mosler-CA)(Connell-CA)(Ray-PA)

PAPUA NEW GUINEA

3220 1208 R. Morobe: Pid w/ f/in, tlk, XMAS carol, some EE C&W mx, fade (poor 12/25 Lobdell-MA)  
3260 1228 R. Madang: Pid OM w/ tlk, TP's @ 1230, ID (222 12/24 Cucura-PA)(Oakley-OR)  
3322 1234 R. North Solomons: Pid w/ XMAS carol, OM tlk (222 12/24 Cucura-PA)  
3385 0825 R. East New Britain: Pid w/ island mx, poor at times (332+ 12/31 Witte-CA)++  
3905 1045 R. Manus: Pid/EE mx by chorus, OM anncr, ARO QRM (233 1/1 Connell-CA)  
3925 1035 NBC Port Moresby: Pid w/ YL/OM tlk, pop mx, much laughter (433 12/29 Oakley-OR) Sounds a bit like NSB.....Jwm  
4890 0900 NBC Port Moresby: EE w/ local nx, ads, wld. nx, pop mx, tlk (444 1/1 Connell-CA) (Grenier-CA)(Hrivnak-IL)(Durnavich-IL)(McLean-NY)(Ossege-OH)(Cucura-PA)(Dilk)+++

SOCIETY ISLANDS

6135 0744 R. Tahiti: FF w/ Tahitian mx (534 1/5 Maag-CA)  
11825 0528 RT: Tah. island mx, OM anncr, nx? (322 12/7 Davis-CA)(Dunn-CA)  
15170 0452 RT: Tah. OM w/ rel. tlk/mx, south seas mx (353 12/16 Cucura-PA)

**NATIONAL  
BROADCASTING  
COMMISSION**

OF PAPUA NEW GUINEA

SOLOMON ISLANDS

5020 1240 SIBC: EE w/ XMAS carols, EE ID by OM, must have been running late on XMAS eve (fair 12/24 Lobdell-NJ)(Mellinger-NJ)(Cucura-PA)(Moore-PA)

\*\*\*\*\*

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DATELINE

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Burma-Additional transmissions from the "Voice of the People of Burma" continue to be broadcast from 0030-0330, 0630-0930, and 1200-1400 on 7570 and 6323. The new transmissions, which contain no opening or closing announcements, have so far consisted only of time and frequency announcements, "combat news", and music. "Combat news" and music have also been carried on the regular "Voice of the People of Burma" broadcasts on 6304 and 5110. However, the new and the regular broadcasts have as yet made no reference to one another and are received on different antenna bearings.....  
(Ed. note: This station was heard by Gordon Draseke on 1/4 on 7570. The program was in Burmese and contained strident tlk by OM w/ martial mx. There was heavy QRM and the SIO rating was 322. He began listening @ 1325.) Tnx Gordon.....Jwm

Kuwait-Radio Kuwait's English services are currently broadcast from 0500-0800 on 2145, 9650, and 1341 and from 1800-2100 on 9650, 15345, 11665, and 1341.....

Mongolia-A recent survey shows that Ulan Bator Radio's external service in English is now broadcast daily except Sundays from 1220-1250 on 12070 and 6383 and from 1715-1745 on 9525 and 7260. Daily external service programmes in Standard Chinese from 1100-1130, 1300-1330, 1400-1430, and 2100-2130 are now broadcast on 5960 and 4950. Broadcasts in Mongolian from 1130-1200, 1330-1400, 1430-1500, and 2100-2200 are heard on the same two frequencies-- 5960 and 4950.....

Nepal-Radio Nepal has reverted to the use of 7425 instead of 7105 for its domestic and external service programmes.....

Saudi Arabia-The BSKSA's programmes from Jiddah on 11855 show that the evening transmission on 11855 is now broadcast from 1800-2200, an increase of one hour. The morning transmission starts one hour earlier on Fridays--at 1000 instead of 1100. Also, the domestic service has been observed (in SSB) on 15667, 15576, 13522, 13462, 11093, and 10548.....

Tnx for reporting, JB5  
Jwm

# WORLD SERVICE STATION SKEDS

ÉMISSIONS

## PROGRAMMI

Editor:

TRASMISSIONI

BULLETIN DE PROGRAMMES

CHRIS LOBDELL

PROGRAMS

ENGLISH SERVICE

P.O. Box 146

Stoneham, MA 02180

SERVIZIO

PROGRAMME SCHEDULE

Deadline: 12th

COMUNICATI NEL CORSO

All schedules, unless otherwise indicated, are for English programs, and all times are in Greenwich Mean Time (GMT). Also, schedules credited to the "BBCMS" are courtesy of the BBC Monitoring Service, and are used by permission.

AFGHANISTAN. Radio Afghanistan, valid until February 1980.

1530-1600 4775

1900-1930 15075

(S. Heyman)

ANDORRA. Adventist World Radio (AWR)

test transmission via Radio Andorra, effective November 19, 1979.

1930-2100 6215 kHz (3 kw). Daily.

(J. Fisher, C. Mellinger)

AUSTRALIA. R. Australia, valid to March 2nd.

0100-0300 17795, 21740 N. America

1100-1300 9580 N. America

(D. Crawford, A. Gaede)

AUSTRIA. The ORF in Vienna, valid until May 4, 1980.

0130-0200 5945 N. America

9770 ECNA

0330-0400 5945 N. America

9770 ECNA

0430-0500 15260 WCNA

1230-1300 21655\* N. America

\*new frequency which replaces 17860.

2305-2320 5945 (Sun.) N. America

9770 (Sun.) ECNA

(R. Fraser, R. Munster, T. Smith)

BANGLADESH. R. Bangladesh, latest sked available.

0445-0515 15400, 17890, 21685 G.O.S.

1230-1300 15285, 21670 G.O.S.

1815-1900 11765, 15285 G.O.S.

1900-1915 " " News, slow speed.

G.O.S.= General Overseas Service in English.

(A. Vranes, M. Eramo)

BELGIUM. BRT/ORU in Brussels has this altered sked, valid from December 10th.

0015-0100 11700 N. America

" " 15175 S. America

(L. Dekeyser) Note: Due to a strike, some programs may be missing.

BULGARIA. Radio Sofia, from Oct. 23, 1979. Still valid.

0000-0100 9705 ECNA

0430-0500 9765 WCNA

CANADA. CBC Northern Service. Not all programs are in English.

0000-0607 9625, 6195

1128-1400 6065, 9625

1400-0000 9625, 11720

(S. Loren)

CHINA(Taiwan). Voice Of Free China schedule valid until March 1, 1980.

0100-0200 11825, 15345 N. America

0300-0350 11825, 15270, N. America

15345 N. America

2140-2240 9685, 15270, N. America

11825 N. America

(R. Lucas)

CHINA(Republic). R. Peking, current schedule.

0000-0100 11695, 15120, 15520, ECNA

17680 (same as above)

0100-0200 " " "

0200-0300 " " "

0300-0400 9460, 11650, 12055, WCNA

15230 (same as above)

0400-0500 (same as above)

1200-1300 9820 ECNA

(C. Durnavich, J. Fisher, R. Fraser, R. Rzepka)

CUBA. R. Habana, valid until March 1, 1980.

2050-2140 9770, 17750 Americas

0100-0450 11930 "

0100-0600 11725 "

0330-0600 11760 "

0630-0800 9525 "

(L. Forbes, R. Wallace)

CYPRUS. Cyprus Broadcasting Corp. via transmitters of BBC relay base in Limassol. Programs are in Greek and are now 30 minutes long. Taken off air on 27 December 1979.

2210-2245 6155, 9585 Friday, Sat. & Sunday.

Beamed to United Kingdom.

(Editor Bob Donly)

CZECHOSLOVAKIA. R. Prague, valid at least till March, probably longer.

0100-0157 5930, 7345, 9540, 9630, 11990 N. America

0300-0357 (same as above)

(W. Carroll, R. Rzepka, T. Smith, R. Yajko)



ECUADOR. HCJB, Quito, latest information available.

1200-1430 11740, 15115, 17890 NA  
1430-1600 15115, 17890 "  
0035-0230 9745, 11910 "  
0230-0500 9745, 11910, 15115 "  
0500-0600 6095, 9745, 11910, 15115 "

0600-0700 6095, 9745, 11910 "  
Program Number Two (different program)  
0030-0200 15115 "

I reported last month that HCJB changed frequency from 15115 to 15120 to avoid R. Peking interference. Shortly thereafter, R. Peking also moved to 15120! Now, they have moved back to 15115 to avoid Peking. At the moment, Peking is staying put on 15120. Let's hope they stay there! There will no longer be a break in transmission on 15115 kHz at 0230 GMT when the French transmission ends and English begins. In the past, one transmitter had to be shut down and another tuned up. This caused a 2 to 3 minute interruption on 15115 kHz. Now, the same transmitter is used for both the French at 0200 and English at 0230 GMT with no break. You won't have to miss the start of DX Party Line any more.

HCJB is also conducting a test transmission on 26020 kHz with only 100 watts of power. This transmitter is on the air 24 hours a day. Reports are wanted. Best time to hear this one on the East Coast is from 1400-2100 GMT. Later on the West Coast I presume. Program is a relay of usual programming; not all in English. (editor)

GREECE. The ERT (Greek Radio & Television) in Athens. Valid until March 2nd.

0015-0030 9515, 9655, 11730 NA  
0215-0230 9515, 9650, 11730 NA  
1215-1230 11730, 17830, 21570 NA  
1515-1530 \*11730, 15125, \*17830 NA  
\*except Tuesdays.  
(G. Slovinski)

HUNGARY. Radio Budapest, until the 3rd of May 1980.

0200-0230 6105, 9585, 9835, 11910  
15220, 17710 NA (not Monday)  
0300-0330 6105, 9585, 9835, 11910  
15220, 17710 NA (daily)  
0400-0415 6105, 9585, 9835, 11910  
15220, 17710 NA (Wed/Sat only)

(R. Lucas, T. Smith)

INDIA. All India Radio's General Overseas Service in English, taken from the October 1979 issue of India Calling.

1000-1100 15190, 17387 N.E. Asia  
11925, 15205  
17875 Aust./N.Z.  
1330-1500 11810, 15335 S.E. Asia  
1745-1945 9715, 15190 East Africa  
1745-2230 11620, 15165 UK, W. Europe

30

INDIA (continued).

1945-2045 9725, 11875 W/N Africa  
2000-2230 9912 UK, W. Eur.  
2045-2230 9535, 11740 Aust./N.Z.  
2245-0115 7215, 9535, 11770,  
15110 East/S.E. Asia  
" " 9715, 11815,  
15250 Northeast Asia

(Direct)

KOREA (South). Radio Korea; current schedule.

0400-0445 9720, 11830 N. America  
1600-1630 " " " "  
1800-1845 11830 " "  
2300-2330 11820, 15570 " "  
(S. Loren)

JAPAN. R. Japan (NHK) in Tokyo, valid until March.

2345-0045 17825, 15270 ECNA  
0130-0230 15235, 17725,  
17825, 21640 WCNA

(M. Eramo)

LIBERIA. Radio Station ELWA in Monrovia. Current schedule just received.

0625-2245 4770(10kw) Sunday Only  
0700-0800 11830(50kw),  
11860(50kw) Daily  
1555-2300 4770(10kw) Mon.-Sat  
(includes African dialects)

(S. Heyman)

LITHUANIAN SSR. R. Vilnius; current off air schedule.

2300-2330 7150, 7215, 15100,  
15240, 17870

Note: Transmitters used for this transmission are those of Radio Moscow and are located throughout the USSR. For more information regarding USSR transmitters, it is suggested you subscribe to the USSR High Frequency Broadcast Newsletter, Box 232, McLean, VA 22101 Price \$3.00 for 10 issues. (A. Rosewarne, Editor)

NETHERLANDS ANTILLES. Trans World Radio in Bonaire. Current schedule.

0055-0135 11925 Daily Far East  
1105-1230 15255 Mon-Fri NA  
1230-1335 15255 Sat. NA  
1230-1405 15255 Sun. NA  
(Carroll, S. Heyman)

NORWAY. Radio Norway in Oslo. This is valid until March 2, 1980.

0000-0030 6005 Monday GMT NA  
0200-0230 9590 " " "  
6005 " " WCNA  
11870 " " "  
0400-0430 6185 " " ECNA  
9610 " " WCNA  
0600-0630 9645 " " WCNA  
1400-1430 17840 Sunday " NA  
1600-1630 15175 " " WCNA  
1800-1830 11895 " " NA  
2200-2230 9590 " " ECNA  
11850 " " NA  
(R. Yajko) 15175 " " NA

SPAIN. Radio Exterior de Espana. English to North America. Valid until March.

0005-0155 9630, 11880  
0515-0615 6065, 9630, 11880  
(T. Smith)

SWEDEN. Radio Sweden; English to North America. Expires March 1st.

0030-0100 11905  
0230-0300 9695, 11705  
1400-1430 21615  
2300-2330 9695, 11705  
(B. Taussig)

SWITZERLAND. Swiss Radio International English to North America. Valid until May 1980.

0145-0215 6135, 9725, 11715, 15305  
0430-0500 9725, 11715  
1315-1345 21570  
(A. Gaede, R. Wallace, R. Yajko)

THAILAND. Radio Thailand in Bangkok. Complete English schedule sked.

0415-0520 9655, 11905  
1100-1155 " "  
2330-0200 " "  
(BBCMS)

UKRAINE. Radio Kiev. This sked is effective as of February 1, 1980.

0030-0100 7150, 7205, 7215,  
15100, 15240, 17870  
0300-0330 7215, 7400, 9505,  
9735, 11690, 11770

Note: Transmitters used for these broadcasts are those of Radio Moscow and are located throughout the USSR. (E. Fournier, R. Fraser, K. Murakami, T. Smith)

USSR. Radio Moscow World Service In English. Here is a listing for the North American frequencies.

0400-0600--7150, 7215, 9490, 9530,  
9610  
0600-0700--7215, 9530, 9610  
1000-1500--9600 via Havana, 15135  
1100-1500--15150  
1200-1500--21530  
1500-2100--12060  
1500-2200--12010  
1530-2200--11860 via Havana  
1900-2000--12050  
2000-2100--12050, 15180  
2100-2200--12050, 15180, 17720  
2200-2300--7165, 7440, 9530, 9765,  
12050, 15140, 15180,  
15455, 17720

(USSR HF Newsletter #23, E. Fournier)

USA. VOA English to Europe. Compiled by Bob Fraser.

0300-0600 7200 via Wooferton, England  
0300-0700 3980 Munich, Germany  
5995 Greenville, NC  
6060 Kavala, Greece  
9770 " "  
11715 ?  
0400-0600 7230 Tangier, Morocco  
0500-0700 5955 Kavala, Greece  
0600-0700 7325 ?

1700-2200 3980 Munich, Germany  
6040 Wooferton, Eng.  
9760 " "  
1700-1930 15205 Tangier, Morocco  
1800-2200 11760 " "  
7170 Kavala, Greece  
1800-2230 17775 Greenville, NC  
(R. Fraser)

USA. Station WINB, Red Lion, PA.

Current schedule.  
0000-0330 15145 South America  
1700-1900 15250 Europe  
1902-2000 15350 "  
2002-2245 15185 "  
2247-0000 15145 South America  
Note: Some of the releases contain non-English programs.  
(R. Wallace)

UZBEK SSR. Radio Tashkent. Current English schedule.

1200-1230 6025, 9540, 9600, 11785  
1400-1430 (same as above)  
(M. Eramo)

VATICAN CITY. Vatican Radio to North America.

0100-0115 6015, 9605, 11845  
(R. Yajko)

SOME IMPORTANT LAST MINUTE INFORMATION

ISRAEL. Kol Israel will begin its PRIME TIME transmissions to North America on January 31 at 2300 GMT!

Here is a complete listing as phoned to your editor by Larry Magne:

2300-2325 YIDDISH 7412, 9815, 11637,  
11620 C/S America  
2330-2355 SPANISH 7412 N/C America  
9815, 11637 S. Am.  
0000-0030 ENGLISH 7412, 11637 N/C  
America  
9815 N. America  
0030-0100 HEBREW (same as above)  
0100-0125 ENGLISH " " "  
0130-0155 PORTUG. 7412, 11637  
9815 C/S America  
0200-0225 ENGLISH 7412, 9815 NA  
11637 WCNA  
0230-0255 SPANISH 7412 C/S America  
9815 S. America  
0300-0355 RUSSIAN 7412 N. America  
7395, 9815, 11960  
USSR  
0400-0500 HEBREW 9372, 9815, 7412  
15585 (Not Satur.)

Be sure to write into Kol Israel and let them know how much you appreciate these new transmissions.

By the time our next STATION SKEDS reaches you, the M80 (March 2 to May 4th) transmission period will be in effect. Send in any new schedules ASAP. Thanks.

73 Chris

(PUBLISHERS NOTE: The UTILITY SECTION, normally seen after this page will not be seen this month due to difficulties beyond our control...please submit UTILITY loggings to Headquarters next month. THANK YOU...(jrt)...)

# QSL REPORTS

Editor: Bob Donly 7208 Sunview Dr. Columbia, South Carolina 29209  
(deadline 12th of the month)

February, and the weather is already beginning to take it's toll around the Nation. The cyclogenetic areas, about the U. S. A., are doing a good job either developing, or intensifying weather systems.

Henry Lazarus checks in with a date only letter from Radio Apintie's new shortwave service at Suriname, and Ed. Kusalik has received a QSL from the MBC at Mauritius - see the Africa section. Ed. also tells us that they would like to receive some more accurate reports. Vladimir Cucura, and Junichi Sakiyama have received date only letters from The National Radio of Laos.

Bill Miller has learned that The Voice of the Philippines will use their old QSL cards because their is not enough money to print new ones.

Again, from Ed. Kusalik comes the word that follow-up reports, or even cassette recordings may be necessary to get verification from Radio Thailand. Ed's cassette was returned with a half hour recording of Thai Music thereupon.

By the way, The United States Postal Service has a wall size chart entitled "International Postage Rates and Fees". This chart may be of some help to you. Contact your local USPS Customer Service section to get one. They are free !

Thanks go to all of you who sent greetings via card or letter to this editor during the Holiday Season just past.

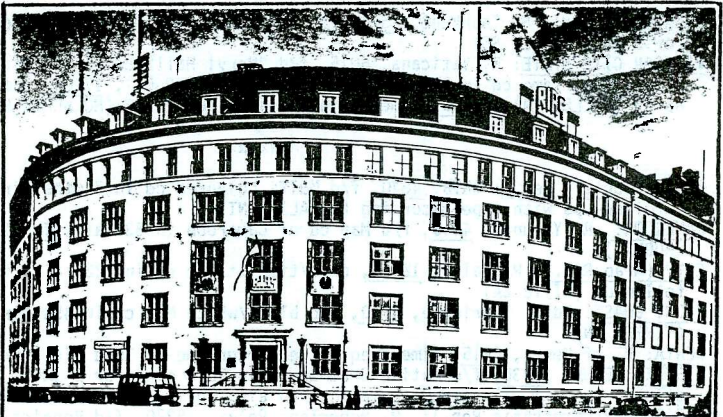
The number of reporters are down a little this month, 67 reporting, 1 for the first time. Let's keep up the good work, and try for QSL's from some of the "rare catches" that I have noted you reporting in the SWBC Columns.

Away we go !

## Europe

- ANDORRA: R. Andorra, 6230, f/d Mountain Scene with young couple cd in 25d air, no rp (FACCIOLI URUGUAY),  
AWR via R. Andorra, 6215, f/d Sines Antenna cd in 21d, for PP rpt. no rp (LOBDELL MA)
- AUSTRIA: ORF, 5945, f/d ORF Bulding cd in 60d air, no rp (DURNAVICH IL), 9770, f/d "Adam" art cd in 62d air, no rp (DAVIS GA), f/d ORF Centre cd in 10d air, no rp (SMITH FL), f/d "Austrian Art" cd in 64d air, no rp (SMITH FL)
- BELGIUM: BRT, 6010, 11715. F/d cds in 19-53ds air, for 1 IRC no rp. Logo Map cds (MILLER CA)(BYRON NY)(FISCHER GERMANY)(SEMESKY IN), Mailbag folder cd (MILLER CA), f/d ltr. in 19d, no rp (CARROLL LA), #6 series ORU cd (SMITH FL)
- BULGARIA: R. Sofia, 9700, 11750, 15330. F/d cds in 40-128ds air, no rp. "Nessebur" (FISCHER GERMANY), "View of Zlatni" (BINAU MD)(BYRON NY), "Kukery" (CUCURA PA), View of Sofia from the air (DAVIS GA), "View of Melnik" (FRASER MA), "Bachkova Monastery" (FORBES TX)
- CZECHOSLOVAKIA: R. Prague, 11990, f/d "St. Nicholas Cathedral and Prague Castle" cd in 85d air, no rp (SEMESKY IN)
- DENMARK: R. Denmark, 15165, f/d "Radiohouse Aerial Tower" cd in 54d air, no rp (BINAU MD)
- FINLAND: R. Finland, 9675, no/data "Wood Processing Industry" cd in 45d air, no rp (SAVAGE CA), 11755, date/time "Finnish Architecture" cd in 13d air, no rp (WITTE CA), 21475, no/data "Autumn in Finland" cd in 26d air, no rp (SMITH FL)
- FRANCE: R. France International, 7135, 15300, 21580, 21675. F/d cds in 24-41ds air, for 1 IRC no rp. "Charles de Gaulle Station" cd + Pennant (TRUMMEL IL), "La Scine et la Tour Eiffel" (SMITH FL), Concert Hall (LOREN CA), "Palais des Congress" (FRASER MA)
- GERMANY(Democratic Rep.): RBI, 6010, f/d 30 Years of the Republic cd in 109d air, no rp (FACCIOLI URUGUAY), 9730, f/d cd of Man's Face and Small Town in 79d air, no rp (WORREL ND), 11970, f/d RBI DX Club cd in 62d air, no rp (SMITH FL), no freq. given f/d "Cosmonauts" cd + diploma, stickers and pennant in 55d, for MS (HASKETT IN)
- GERMANY(Federal Rep.): Deutsche Welle, no freq. given, no/data Logo cd in 606d, for 1 IRC returned, also stickers, postcard, and pennant (HASKETT IN)
- RIAS(Radio in American Sector), 6005, f/d RIAS Building cd in 15d air, for 2 IRCs (VRANES PA), no desc. date/freq. cd in 60d sfc, no rp (SAKIYAMA JAPAN) See next page for reproduction of QSL. bd
- VOA, 3980, f/d "Satellite Americom" cd in 21d air, no rp (FISCHER GERMANY)

Thanks to:  
Alex Vranes



EINE FREIE STIMME DER FREIEN WELT

**RIAS**  
BERLIN

- GREAT BRITAIN: BBC, 11775, no/data "Tower Bridge" cd in 15d air, no rp (DUNN CA), 25650, same cd in 125d air, no rp (HOLBROOK MD), no freq. given but same cd in 120d, for 1 IRC returned (HASKETT IN)
- GREECE: V. of Greece, 11730, 17785. F/d cds in 17-60ds air and sfc, no rp. Black cd with ERT printed on it (LOREN CA), "View of Samos" (SAVAGE CA), Coastal View (SLOVIN-SKI CA), "Santorini Island" (LOREN CA), "Ydra Island" (FACCIOLI URUGUAY)
- VOA Relay Rhodes, 5965, f/d "Satellite Americom" cd in 31d sfc, no rp (VRANES PA)
- HOLLAND: R. Nederland, 17605, f/d "Bonaire Site" cd in 16d air, no rp (FALLOWES ONT)
- HUNGARY: R. Budapest, 6110, f/d blue/red/yellow spiral design cd in 30d air, for 1 IRC (NEWTON GA), 9835, f/d Globe Logo cd in 73d sfc, no rp (FISCHER GERMANY), same in 64d air, no rp (HOOK FL)
- ITALY: RAI, 9575, 11800, 15315, 21560. F/d cds in 12-218d air and sfc, for 1 IRC no rp. Painting by "Giorgione", "Bronze of Pescatore" etc. (HEYMAN NY)(MILLER CA)(SAVAGE CA) (WITTE CA)(MUNSTER GA)
- NORWAY: R. Norway, 15175, 21730, 25730. F/d cds in 25-77ds air, no rp. "Old Mill" (DAVIS GA)(CARROLL LA)(BINAU MD), "Latefoss Falls" (AUDETTE MA)
- POLAND: Polskie R. , 6095, f/d "Warsaw Royal Castle" cd in 55d air, no rp (FACCIOLI URUGUAY), 11815, f/d Highrise Building cd in 39d air, no rp (BYRON NY), f/d 3 Boats cd in 25d air, no rp (BYRON NY), f/d Farm Tractor cd in 28d air, no rp (CUCURA PA)
- PORTUGAL: R. Portugal, 11935, f/d "Autumn Colours" cd in 50d air, no rp (MILLER CA), f/d "Portugal and Winter" cd in 78d air, no rp (HEYMAN NY), f/d "Sunflower" cd in 60d air, no rp (DURNAVICH IL)
- IBRA via R. Trans Europe, 9670, f/d "Latin America" cd in 30d, no rp (DURNAVICH IL)
- ROMANIA: R. Bucharest, 5990, 9570, 11940, 15250. F/d cds in 60-106ds air, for 2 IRCs no rp. "Borsec Spa", "Hercules Baths" etc. (HOOK FL)(HEYMAN NY)(FACCIOLI URUGUAY) (SMITH FL)(FISCHER GERMANY)(STONE ONT)
- SPAIN: R. Exterior de Espana, 9630, 11880, 11945. F/d cds in 18-50ds air, for 1-2 IRCs no rp. "Sierra Nevada", "Carteles Turisticos de Espana" etc. (CARROLL LA)(MAAG CA) (STONE ONT)(THOMPSON NM)(LOREN CA)(SMITH FL)(NEWTON GA)(FACCIOLI URUGUAY)
- SWEDEN: R. Sweden, 11705, f/d Do it Yourself cd in 15d air, no rp (JONES VA), same cd in 16d air, no rp (SMITH FL), f/d blue/yellow Map cd in 18d air, no rp (MOSIER CA), 11905, same cd in 15d air, no rp (SLOVINSKI CA), no freq. given but f/d Multi Scene cd in 20d air, no rp (MAISE LA)
- SWITZERLAND: Swiss R. International, 9535, 9560, 9725, 15130, 15430, 17730, 17830, 17835, 21545, 21585. F/d cds in 30-92ds air and sfc, for 1 IRC no rp. "Jungfrau", "Lake of Samt's", "Mountain Scene" etc. (AUDETTE MA)(SMITH FL)(CARROLL LA)(MUNSTER GA)(NEWTON GA) (WALLACE HI)
- USSR: R. Moscow, 7390(Moscow), 9530(Moscow), 11710(Tbilisi), 11735(Vinnitsa), 11905 (Nikolayevskan-Amur), ?(Petropavlovsk-Kamchatesk), 15180(Petropavlovsk-Kamchatesky), 15540(Vitebsk), 21490(Tula). F/d cds in 30-47ds air, no rp. "Olympic Mascot", Skyscraper, "50th Year" etc. (SMITH FL)(HASKETT IN)(DURNAVICH IL)(VRANES PA)
- R. Kiev, 9655, f/d "Supreme Soviet Building" cd in 120d air, no rp (SEMESKY IN), 9800, f/d "Silhouette of the Kiev-Pechersk Lavra" cd in 72d air, no rp (FRASER MA), 11770, f/d "Winter" cd in 150d, no rp (HASKETT IN), 17850, f/d "Taros Sheuchenko University" cd in 101d sfc, no rp (WALLACE HI)

.. Why does everybody see the light change before the guy in front ..



USSR(continued): R. Tashkent, 25meters, f/d Mosque and Modern City Centre cd in 62d air, for 2 IRCs (DONLY SC)

VATICAN CITY STATE: R. Vaticana, 6015, f/d "Nervi Hall" cd in 20d air, no rp (DURNAVICH IL), 11845, same cd in 17d air, for 1 IRC (CRAWFORD CA), 17900, same cd in 24d air, no rp (MILLER CA), 21485, same cd in 16d air, for 1 IRC (HOLBROOK MD)

### Africa

BENIN(People's Rep.): ORTB, 4870, f/d Multi coloured cd in 7 mths air, for 2 MS and 4 follow-ups with tape recording (KUSALIK ONT)

CAMEROON: R. Yaounde, 4850, f/d Map cd of Cameroon in 33d air, for 1 IRC (FACCIOLI URUGUAY)

EGYPT(Arab Rep.): R. Cairo, 12050, date/time Statue cd in 122d air, for rp after 2nd follow-up (WITTE CA)

IVORY COAST: Rdf. Ivoirienne, 4940, f/d black/white Map cd in 45d air, for 2 IRCs (TIMMER IN)

KENYA: V. of Kenya, 4915, time/freq. blue Aerogramme in 155d air, for MS (HOFFMAN PA) LIBERIA: ELWA, 11830, f/d Native Drummer cd in 202d air, for 2 IRCs, also 25th annv. sticker (HEYMAN NY), 11860, same in 222d air, for 1 IRC (HASSELKUS OH)

MADAGASCAR(Democratic Rep.): R. Nederland Relay, 15220, f/d Bonaire Site cd in 14d air, no rp (SMITH FL), 21480, same cd in 16d air, no rp (FACCIOLI URUGUAY)

MAURITIUS: MBC, 9710, date/freq. green/red/blue/yellow cd in 50d air, for MS, rptd. in EE (KUSALIK ONT) See below bd

<b>MAURITIUS</b>		BROADCASTING HOUSE FOREST SIDE MAURITIUS INDIAN OCEAN	
STATION CALL LETTERS: <u>MA8</u> FREQUENCIES: <u>11830</u> DATE: <u>23-12-79</u>			
Q	1500	STATION	TYPE
1500	1500	11830	11830
<b>BROADCASTING CORPORATION</b>			
Dear <u>M. Kusalik</u>			
your Reception report of the <u>7<sup>th</sup> 8<sup>th</sup> September</u> , 19 <u>79</u>			
is acknowledged, was checked, and found <u>Correct</u> according to our logs.			
Remarks <u>Many thanks for your Reports, we wish you</u> <u>Happy Listening.</u>			

Thanks to:  
Ed. Kusalik

NIGERIA: Imo Broadcasting Service, 4755, date/freq. ltr. in 159d air, no rp (FACCIOLI URUGUAY), same ltr. in 6 mths. air, for 1 IRC (FISHER MA)

RWANDA: Deutsche Welle Relay, 7225, no/data cd in 110d , no rp (WALLACE HI)

SEYCHELLES: FEBA, 15325, no/data Map cd in 57d sfc, for 1 IRC (SAKIYAMA JAPAN), 15400, same cd in 39d, for 3 IRCs (CARROLL LA), 15405, same cd in 45d sfc, for 2 IRCs (McCOOL MS)

SOUTH AFRICA: RSA, 9610, 11900, 15155, 15220, 21535. F/d cds in 18-32ds air, for 1 IRC no rp. "Golden Mile at Durban" (THOMPSON NM)(LOREN CA), "Holiday City" (SMITH FL) (WILLIS PA)(RZEPKA WI)

SABC, 4835, f/d "Industrial Scene" cd in 21d air, no rp (AUDETTE MA)

SABC R. Five, 9680, f/d "Industrial Scene" cd in 55d air, no rp, v/s P. V. D. M. Martins (SAVAGE CA)

SWAZILAND: TWR, 4760, f/d "Native Drummer" cd in 34d air, for 1 IRC (WITTE CA)

TANZANIA: R. Tanzania, 6105, f/d "Sauti Ya Tanzania" cd in 51d air, no rp, v/s S. Salih (FACCIOLI URUGUAY)

UGANDA: UBC/R. Uganda, 15250, f/d "Studio Complex" cd in 295d sfc, no ro, v/s David R. Buga (OSSEGE OH), 15325, same cd in 81d sfc, for 2 IRCs (SAVAGE CA), same cd in 80d, no rp (CARROLL LA), same cd in 134d sfc, for 1 IRC (CUNNINGHAM CA), same in 3 mths. 18d sfc, for 2 IRCs (HOWARTH WA), same cd in 103d sfc, no rp (MOSIER CA), same cd in 3½ years, for franked stamps and 1 IRC (HASKETT IN) Since Uganda has always taken a rather long period to reply, some of these QSLs reported probably originated before the fall of their last government; some after the change of government. For a period of time, I will use the "UBC/R. Uganda" heading. bd



Asia

- AFGHANISTAN: R. Afghanistan, 15075, f/d "Bamyan Buddha" cd in 42d air, for 2 IRCs (DESROSIERS MA)
- BANGLADESH: R. Bangladesh, f/d ltr. + schedule and envelope with 21 stamps thereon in 35d air, for 2 IRCs (VRANES PA)
- BRUNEI: R. Brunei, 7215, date/freq. Map cd in 109d air, for 2 IRCs, enclosed schedule noted closing of there shortwave service (HOFFMAN PA)
- CHINA (Peoples Rep.): R. Peking, 9820, 15520, 15600, 17680, 17855. F/d and date/freq. cds in 18-61ds air, no rp. Mountain Scene (FRASER MA), Country Drawing (KUSALIK ONT), Winter Logging Scene (KUSALIK ONT), Ski Area (HARRINGTON CO), Bridge and it's View + pennant (DURNAVICH IL), Snow Scene of the Great Wall (BYRON NY)  
Central People's B/C Station, 8007, f/d "Shipbuilding" cd via Peking in 20d air, no rp (KUSALIK ONT)  
Gansu People's B/C Station Lanzhou, 4865, f/d Couple Working on a Science Project cd in 20d air, no rp (KUSALIK ONT)  
Guangxi People' B/C Station Nanning, 4915, f/d Flower Garden with People cd in 20d air, no rp (KUSALIK ONT)  
Nei Monggol (Inner Mongolia) People's B/C Station, 6840, 6974, f/d Stone Horse Monument, and Chinese Temple and Garden cds in 18d air, no rp (KUSALIK ONT)  
People's B/C Station Hilar, 4750, f/d Bridge cd in 20d air, no rp (CUCURA PA)  
Heilunjiang People's B/C Station, 4750, f/d Bridge cd via Peking in 28d air, for 1 IRC (VRANES PA)  
Heilongjiang People's B/C Station, 4925, f/d no desc. cd in 21d air, for 1 IRC (LAZARUS LA)  
Tibet Xizang People's B/C Station Lhasa, 9490, f/d Fountain in Court Yard cd in 18d air, no rp (KUSALIK ONT)
- CYPRUS: CBC, 7230, f/d Multi-coloured Shell cd in 50d air, for 2 IRCs (MAISE LA)  
BBC Relay, 21660, no/data "Tower Bridge" cd in 70d sfc, no rp (EVANS TN)
- INDIA: AWR/Asia, 15120, f/d Radio Monitors International cd in 34d air, for 1 IRC (SAKIYAMA JAPAN) This probably originated from the SLBC Sri Lanka - not India. bd
- INDONESIA: The V. of Indonesia, 11790, f/d Mountain cd in 100d, for 1 IRC (HASKETT IN), "Highlands of Tenger" cd in 57d air, for 2 IRCs (HASSELKUS OH), 15200, date/freq, but same cd in 135d air, no rp. (FACCIOLI URUGUAY)  
RRI Jayapura, 4980, f/d cd similar to RRI Sorong in 25d air, for MS, v/s Muhammad Ely, Tech. Staff (KUSALIK ONT)
- IRAN: V. of Iran/Islamic V. of Iran, 9022, NIRT Mashad Centre cd in 53d air, no rp (FISHER GERMANY), 9139, f/d but same cd in 45d air, for 1 IRC, also pennant (HESCH NY)
- IRAQ: R. Baghdad International, 9745, f/d Unknown Soldier Map cd in 123d air, no rp, also received poster and pennant (HOFFMAN PA)
- ISRAEL: IBA, 11655, 11840, 17630, 17645. F/d cds in 26-44d air, no rp. Flags (YAJKO PA) (MOSIER CA) (MILLER CA), Windmill (CUCURA PA), "Kneseth Menorah" (FACCIOLI URUGUAY)
- JAPAN: R. Japan, 9505, 9585, 15270, 17755, 17825, 21640. F/d and date/freq. cds in 20-34 ds air, no rp. Bamboo Grove, "Koto Doll" etc. (SMITH FL) (CUCURA PA) (THOMPSON NM) (DAVIS GA) (DUNN CA) (FALLOWS ONT) (MILLER CA)
- KOREA (Rep.): R. Korea, f/d yellow/white/orange Logo cd Inaugurating new freq. in 21d air, no rp (TRUMMEL IL)
- LAOS (People's Demo. Rep.): National R. of Laos, 6600, date/only ltr. + schedule in 26d air, for 1 IRC, v/s Bounmek Phengasvanh (SAKIYAMA JAPAN), same ltr. with red seal in 50d air, no rp, same v/s (CUCURA PA) Sorry ! freq. was 6910. bd
- MALAYSIA: V. of Malaysia, 15295, f/d "Garden City Kuala Lumpur" cd in 153d air, for MS (HOFFMAN PA)  
R. Malaysia Sarawak, 4950, f/d "Broadcasting House" cd in 31d air, for 2 IRCs (THOMPSON NM), 5030, same cd in 22d air, for 2 IRCs (THOMPSON NM)
- MONGOLIA: R. Ulan Bator, 12070, f/d Logo cd in 20d air, for IRCs and MS (MURAKAMI JAPAN)
- OMAN: BBC Relay, 15310, no/data "Tower Bridge" cd in 21d air, for 1 IRC (DESROSIERS MA)
- PAKISTAN: R. Pakistan, 15470, time/freq. cd of Abpara Islamabad in 38d sfc, for 2 IRCs (BURGESS SASK), 21590, date/only View of Shakar Paryan cd in 45d sfc, no rp (DAVIS GA)
- PHILIPPINES: R. Veritas Asia, 9605, no/data "Vietnam Land of Christian Concern" cd in 20d air, no rp (MILLER CA), 17790, same cd in 32d air, for 2 IRCs (HASSELKUS OH), no freq. given but date only "View of Manila Bay" cd in 15d air, no rp (MILLER CA)  
VOA Relay, 7285, f/d "Satellite Americom" cd in 24d air, no rp (THOMPSON NM), 9545, same cd in 31d air, no rp (THOMPSON NM)
- SAUDI ARABIA: BSKSA, 11855, f/d no desc. cd with wrong year listed in 20 mths. registd. air, no rp (WALLACE HI), 15060, f/d Logo cd in 153d registd. air, for 1 IRC (SAVAGE CA)
- SINGAPORE: R. Singapore, 5052, f/d "Singapore by Night" cd in 43d air, no rp (FACCIOLI URUGUAY)
- TAIWAN: V. of Free China, 15270, 17890. F/d "Horse Painting" cds in 23-26ds air, for 1 IRC no rp. (MOSIER CA) (AUDETTE MA)

.. TV is an invention that makes you wake up to go to bed ..

TURKEY: V. of Turkey, 9515, f/d no desc. cd in 30d, no rp, also pennant (CARROLL LA)  
VIETNAM: V. of Vietnam, 10040, f/d form ltr and postcard in 110d air, no rp (DURNAVICH IL)

### Oceania

AUSTRALIA: R. Australia, 9580, 15130, 15240, 17725, 17795, 21740. F/d cds in 21-36ds air, no rp. "Ringtail Possum", "Melbourne Skyline" etc. (WILLIS PA)(HOLBROOK MD)(WITTE CA) (FACCIOLI URUGUAY) (TRUMMEL IL)(DUNN CA)(DURNAVICH IL)(MOSIER CA)  
ABC/VLR6, 6150, f/d Map cd in 29d air, for 2 IRCs (CUCURA PA)  
ABC/VLW9, 9610, Map cd in 17d air, for 1 IRC (HOLBROOK MD)  
ABC/VLW15, 15425, f/d Map cd of Western Australia in 89d sfc, for 2 IRCs (SEMESKY IN)  
NEW CALEDONIA: R. Noumea, 7170, f/d ltr in 45d, no rp (BREWER TN), same in 57d air, for 2 IRCs (MOSIER CA)  
NEW ZEALAND: R. New Zealand, 15280, 15345, 17860. F/d cds in 20-23ds air, for 1-2 IRCs no rp. Mountain Scene (FACCIOLI URUGUAY)(RAY PA), Rock and Water Scene + pennant (JONES VA), Tourist cd (DURNAVICH IL)  
PAPUA NEW GUINEA: NBC, 4890, f/d Map cd in 29d air, for 1 IRC (BINAU MD), same cd in 47d air, for 3 IRCs (HASSELKUS OH)  
R. East Sepik, 3335, f/d no desc. cd in 8 mths. sfc, no rp (SAKIYAMA JAPAN)  
SOCIETY ISLANDS: R. Tahiti, 15170, f/d Tahitian Girl cd in 320d air, for 5 IRC after 3 tries (WITTE CA), same in 97d air, for 1 IRC after 4 tries (WALLACE HI), f/d Drawing of Girl with Background of Trees and Mountains cd (Is this new cd ? bd) in 105 d air, no rp (HEYMAN NY)  
SOLOMON ISLANDS: SIBC, 9545, f/d black/white Logo cd in 40d air, for 2 IRCs (MAISE LA)

### Antarctica

McMurdo/AFN, 6012, no/data Penguin cd in 2 mths. air, no rp, v/s Gent Crossmen (KUSALIK ONT), f/d Penguin cd in 19d, for MS, this after getting no/data cd (KOWALSKI WI)

### South America

BRAZIL: R. Nacional/R. Bras, 15290, F/d cds in 16-25ds air, for 1 IRC MS no rp.  
"Three Powers Square at Sunset", Office Buildings etc. (FRASER MA)(McCOOL MS)(MILLER CA) (MOSS CA)(FACCIOLI URUGUAY)(CARROLL LA)(DAVIS GA)(WORRELL ND)  
R. Globo, no/data ltr. in 2 years air, for MS, v/s Orcine W. Amaral (LAZARUS LA)  
R. Marumbi, 9675, f/d Aerial View of Florianopolis cd in 15d air, no rp, v/s Claudio R. Moraes (FACCIOLI URUGUAY)



A voz mais potente do Brasil

Propriedade da Empresa JORNAL DO COMMERCIO S.A. Recife - Pernambuco - Brasil  
Rua do Imperador 346 - Telex: 301 - 848

Reported  
earlier,  
thanks to:  
Alex  
Vranes

Confirming the report of Mr. Alex Vranes Jr.

On our station ZYK-2 the S.Wave on 6085 KHz 49 m  
Transmitters: Marconi SWB 10, input 16 to 25 kw high level plate  
modulation Date: 13/01/1979 Time: 09.02 GMT

Antennas 258° Beverage arrays for 19-25-31 and 49m

TKS FOR RPT ES QSL

MNI 73'S ES BEST DX

Chief Engineer Trans.Plant.

Rádio JORNAL DO COMMERCIO

Artur S. Miranda.

*Artur S. Miranda*

CHILE: The V. of Chile, 9560, 15130, 15140, 17800. F/d cds in 40-141ds air and sfc, for 1 IRC no rp. "Dawn at Central Mountain", "Sightseeing at Santiago" etc. (HASKETT IN) (CARROLL LA)(McCOOL MS)(JONES VA)(HOLDBROOK MD)(WILLIS PA)(FACCIOLI URUGUAY)

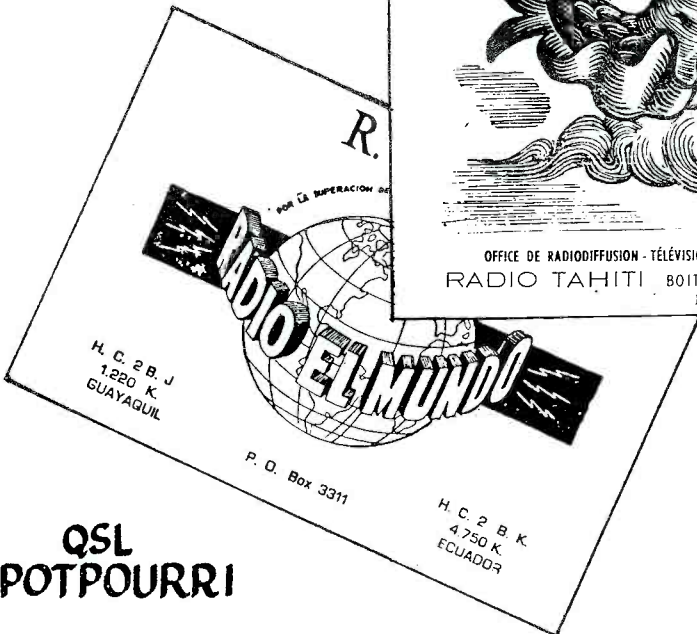




Radio-Finland



OFFICE DE RADIODIFFUSION - TÉLÉVISION FRANÇAISE  
 RADIO TAHITI BOITE POSTALE 125  
 PAPEETE



**QSL  
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# Tips and Topics

The Feature Section of SPEEDX

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## LANGUAGE CHOICE IN TRANSNATIONAL RADIO BROADCASTING - PART 1

by Dr. Richard E. Wood

Measuring the spread and utilization of languages in world communication has provided as might be expected, rather contradictory results, depending on what standard of measurement is used. Chinese, for example, which has the largest number of native speakers and which is also one of the six official languages of the United Nations, is ranked low in usage when measured by the number of states in which it is official, or the number of book titles published in it annually. French, which is exceeded only by English in the number of states in which it is official (alone or together with other languages) and the number of transnational conventions and international treaties using it is comparatively weak when measured by its number of native speakers. Spanish, which is strong in number of native speakers and in the number of states officially using it, is second only to English in the number of current newspaper titles. But it is weak as a language of original publication of works of science and technology, and is weaker than Dutch in the number of new book titles published in it annually. German, while stronger than French in the number of native speakers, is considerably weaker in status in international organizations and as an official language of states.

Studies measuring the relative strength of languages have focused chiefly upon language choice in specific domains such as international organizations or particular scientific disciplines, which means, explicitly or implicitly, upon written language. This study, however, will discuss spoken language, in accordance with the view of linguistics which sees spoken language as fundamental and, of course, historically basic. Such an assessment is also appropriate at a time in which the comparative significance of the printed word has declined from its earlier peak. The medium chosen is language choice for transnational or external radio broadcasting, specifically in the high frequency (short-wave) bands, 3 to 30 megahertz. The term "transnational" is used because such broadcasting is not carried out entirely on a state-to-state basis, but also by non-state, semi-state, or multilateral organizations, including religious bodies and commercial companies. Only *intentional* external broadcasting, such as is exemplified by the Voice of America (VOA), the external services of the British Broadcasting Corporation (BBC), or Radio Moscow's broadcasts in non-Soviet languages, rather than "accidental" reception by another country - however consistent - of essentially domestic broadcasts will be considered.

There are borderline cases where the distinction between external and domestic broadcasting is difficult to make. Often, for instance, broadcasts are carried over transmitters powerful enough or on frequencies clear enough to be received by groups speaking the same language or of the same ethnic affiliation in adjacent or nearby countries. Such situations occur in Europe and in Africa, the Arab world, and parts of Asia, in particular, and the language used is insufficient to establish whether a particular broadcast is domestic or external. For example, in many Arab countries, programs in English, French, and/or other European languages, sometimes designated as an "international service," are carried over medium frequency or VHF-FM transmitters for the locally resident expatriate community, while the Arabic-language service, even if designated "home service" or "national service," may alone be carried over high-powered high frequency transmitters, intended for reception throughout the Arab world.

A different kind of borderline case is the American Forces Radio and Television Service, which transmits English programs from U.S. commercial radio and National Public Radio outside the U.S. It is officially directed only to U.S. military overseas, but in view of its prominent place in the international high frequency broadcast bands and its use of VOA transmitters, it can be considered an external broadcaster.

The government-related stations such as the VOA, BBC, or Radio Moscow are large political organizations in which programming, language choice, and target choice are primarily political decisions. The religious broadcasters, on the other hand, although primarily financed from private U.S. sources, speak for a form of religion which is essentially a North American cultural phenomenon - fundamentalist evangelical religion. Such religious



missionary broadcasters, though they report back to U.S. headquarters, are typically located in Third World nations (Swaziland, Guatemala, Sri Lanka, Seychelles, etc) or dependent territories (Netherlands Antilles, Guam, etc), and should not be confused with state broadcasters or the political voices of their "host" states which house their transmitters. Though not political broadcasters, and therefore almost ignored by some commentators, they are strong enough to compete with the political stations for audiences in most language groups.

Non-religious transnational organizations broadcasting on shortwaves include the United Nations and the Organization of American States. While the OAS has recently declined as a force in international broadcasting, terminating transmissions in three of the four languages used until 1975 and now using only Spanish, U.N. Radio has recently expanded its broadcasts, particularly to southern Africa. It, like several of the religious broadcasters, does not have its own transmitter network, but uses transmitters placed at its disposal by such broadcasters as the Voice of America, the French ORTF, the Italian RAI, or the Tanzania station. Other non-religious broadcasters include "clandestine" stations which, although they have often been important in particular political situations, are not considered here.

The selection of the language for broadcast to a particular area of course determines the potential audience, so that choice is generally controlled by the government or religious organization, even if the program content is not. For example, the BBC is responsible to the Foreign and Commonwealth Office for language and target zone selection. The Office specifies the target countries and duration of language broadcasts. The BBC, however, not the Office, is responsible for program content, beyond certain broad guidelines regarding its general mission.

In minority and non-state languages, the main competition for listeners is between fundamentalist Christian missionary stations and communist stations. There are some examples of the Western political stations using non-state languages, such as the high use of Ukrainian in broadcasts by Western political and religious stations beamed to the USSR. However, especially in the Third World, the Western political broadcasters do not reach the non-state or minorities groups. For example, take the situation of the Quechua-speaking Indians in South America. There the three communist powers, the USSR, the People's Republic of China, and Cuba, compete with the oldest established American-funded Christian missionary broadcast, HCJB, "Heralding Christ Jesus' Blessings" from Quito Ecuador, for the Quechua-speaking Indian radio audience in Ecuador, Peru, portions of Bolivia, and adjacent countries. Neither the VOA, the BBC; nor any other non-religious and non-communist broadcast organization reach the Quechua-speakers in their own language. The scenario is found again and again among ethnic and linguistic minority groups and speakers of non-state or less widespread languages throughout the Third World.

Assessing the language choices of external broadcasters, then, gives important clues to the audiences who have access to these political and religious broadcasts as well as to which broadcasting organizations have access to which language groups. The major languages used in external broadcasting and some of the reasons for their choice by the large broadcasting organizations will be discussed, followed by an assessment of the major broadcasters according to their language abilities.

As shown in Table 1, English is used by 103 stations. Its distribution in transnational high frequency broadcasting is even throughout the world. Since 1976, it has gained strength in the one area where it had shown some weakness, francophone Africa, with the addition of English announcements in the recently inaugurated, still unstabilized international services of Cameroun and Gabon. Though the absolute number of countries and stations using English in Latin America is not large, all international stations there which do use a language other than their own (Radio Mexico uses only Spanish) use English. Among the few transnational broadcasters not using English are Radio Free Europe and Radio Liberty, American-financed stations with studios in Munich, which use only the languages of five East European countries and of some twenty Soviet nationalities, respectively. In their programming style and their language selection, they attempt to provide a substitute or alternate domestic broadcast service for their listeners.

English enjoys a considerable lead in number of stations over its nearest competitor, French, although the lead is unlikely to grow. As new transnational broadcasting services emerge, they normally introduce broadcasts in English but are likely to add French and other languages also, thus affecting the absolute total of English broadcasts but not its relative strength. The largest single category of countries not presently operating international services is in francophone and lusophone Africa. The experience of Cameroun and Gabon indicates that new external services will probably include at least English and French.

English in international broadcast use is generally beamed not solely to the traditional English speaking countries (Great Britain, U.S., Canada, Australia, New Zealand) but to a category of "English-speaking listeners" who may be anywhere. The term "English-speaking listeners" was utilized for the first time by Radio Moscow in 1978, when it introduced many

TABLE 1: RANKING OF LANGUAGES USED BY TEN OR MORE TRANSNATIONAL HF BROADCASTERS

Rank	Language	Number of stations	Rank	Language	Number of stations
1	English	103	14.5	Serbo-Croat	18
2	French	71	14.5	Swahili	18
3	Arabic	67	17	Bulgarian	17
4	Spanish	59	20	Farsi	16
5	German	51	20	Greek	16
6	Russian	40	20	Hindi	16
7	Portuguese	36	20	Polish	16
8	Indonesian	23	20	Thai	16
9	Chinese	22	23	Urdu	15
10	Turkish	21	24.5	Albanian	14
11	Romanian	20	24.5	Czech	14
12	Italian	19	26	Swedish	13
14.5	Hungarian	18	27	Ukrainian	12
14.5	Japanese	18			

hours of daily programming in English distinct from the already established services to Great Britain and Ireland, North America, Pacific Coast (Western North America), Australia and New Zealand, Africa, etc. Judging from time and frequency selection, such programming appears to be beamed to those and other parts of the world, and heralded the introduction of a "General Service" in English by Radio Moscow. Other major broadcasters with "General Service" formats include BBC World Service, formerly the "General Overseas Service," All India Radio, Radio Japan - English on the hour throughout the day, followed by Japanese, beamed on three frequencies to three continents - and Radio Australia. English is used as the main language of continuity announcements by a number of other stations as they switch from one language to another. This is true of the senior evangelical missionary broadcaster, HCJB in Quito, and of Radio RSA of South Africa, which makes bilingual identification of its language services, e.g., "This is the French service of Radio RSA - Ici le service francais de Radio RSA."

French is strong in terms of distribution on all continents, including the Pacific (Australia), Asia (India, China, Japan, Israel, Lebanon, etc.), and Latin America (Chile is one of the main sources of French language listening of listeners in the Americas). Surprisingly, despite the politico-cultural situation in Quebec, neither Radio Moscow nor any East European station broadcasts to Quebec in French - even though all these stations except Radio Budapest have French language services which could be readily broadcast to Quebec. On the other hand, the traditional area of francophone cultural influence can be discerned in those countries which do use French for broadcast to Canada - France, Italy, Switzerland, Greece (introduced along with English for North America in 1975), Lebanon, and Egypt, Cuba, too, could be added. Sweden also broadcasts to North America in French, which is rather unexpected, but then so is the continuing use of German in its African broadcasts.

French has for some time remained narrowly ahead of Arabic in shortwave broadcasting. It is likely to remain in that position, since several francophone African nations who have not yet established international broadcasting services are somewhat more likely to add French than Arabic broadcasts. Latin America remains the other continent poorly represented by international broadcasters; new stations in recent years have introduced French and Arabic simultaneously (Venezuela and Chile).

Although only recently officialized at the United Nations, and still low on such measures as number of annual book titles using it, number of newspapers, and percentage of literacy among its speakers, Arabic is very firmly established in international high frequency broadcasting and has been for some time. It would be wrong to think of it as a newcomer to the medium, for already in 1936 the BBC was broadcasting regularly in Arabic. A number of factors contribute to its prominence:

- There is high appreciation for oral culture in the Arab world.
- Radio surmounts both the physical and political barriers which hamper the distribution of printed matter, and the obstacle of illiteracy.
- The historical primacy of external broadcasting has turned listening to foreign stations into a tradition and a habit.
- There is a saturation of shortwave receivers in most Arab countries.
- In sharp contrast to countries where the cultural elites have inherited the colonial languages, there is a comparative lack of such linguistically alienated elites in most Arab countries.
- For technical, political, and geographical reasons, little or no high frequency jamming is carried out in the Arab countries.

The worldwide spread of Arabic high frequency broadcasting includes the Far East (Japan,

both Koreas, both Chinas) and Latin America (Cuba, Chile, Ecuador, Venezuela), Spain, for example, which uses only three languages, selects Arabic as one (the others are Spanish and English).

Stations using Spanish include several in Asia (both Koreas, both Chinas, Japan, Lebanon, Israel). It is comparatively weak in black Africa, but is used by Gabon's new external service. Chile operates high frequency jamming stations, which can under appropriate reception conditions be heard in North America and Europe against Radio Moscow and Radio Havana, and it has been claimed that other Spanish-language services, including Radio Sweden, have been jammed by the Pinochet regime. However, there have been no reduction in broadcasting to Chile. On the contrary, a station name long used by a popular domestic broadcaster in Chile, Radio Magallanes, is now used by a service beamed to Chile from the USSR.

Several major stations in East Asia - Radio Japan, Radio Peking, and the radio voices of both Koreas - direct broadcasts in Spanish to Latin America. In 1977, it was introduced as a new language on the daily broadcast schedule of the Taipei, Taiwan station, perhaps in response to the many hours of daily broadcasts in Spanish by Radio Peking and in response to the continuing recognition of Taipei by a number of right-wing Latin American governments, such as Nicaragua. Most transmissions in Spanish are directed either to the entire Latin American continent or to broad zones of it, in accordance with propagational considerations, peak listening hours, and band choice.

(The above is an abridged version of an article that appeared in the Journal of Communication, Spring 1979, Volume 29:2. Part 2 of this article will appear next month.)

## DX-300 RETROSPECTIVE

by Diane Levesque

I read with interest the two articles on the DX-300 that appeared in the December issue, two articles quite obviously poles apart in evaluation. Is this phenomenon to be accounted for by simply putting it off to "there are some good sets and there are some bad" because the first few DX-300's were defective?

I am a satisfied (sort of) DX-300 owner and I can pretty well say that it looks like to me that both reviews were reviewing an operational set. Cunningham's complaints are mostly due to that which Nikolich praises - sensitivity. The DX-300 has spur problems when the front end "overloads" (the AGC prevents this from being damaging to the circuitry and prevents reactions like, say, the XCR-30 exhibits under overload, so one can't really say it "overloads" - all it really does is react strangely to S9 and above signals, via spur generation). If those two reviews show anything, they show that the DX-300 isn't for just anybody - the set requires special handling as described in the Owner's Manual under Special Operations Notes. Take care of that front end and the set will take care of your DX.

I will make the following observations on both reviews - first Cunningham's: the man clearly loves to kick his 300 in the teeth and then complain that it still has problems. Possibly due to the fact that the Manual recommends that the RF gain be turned up all the way when band-scanning, a practice that will guarantee that you experience problems. Either that, or he hasn't read the manual like an awful lot of people I know and just prefer to stick to long-ingrained tuning habits rather than adapting himself to the receiver. Operation of the DX-300 definitely requires its own personal procedure for operator to use it with continuing success. Nuff said.

On Nikolich's review - definitely more accurate. However, a few things must be noted with regard to his comparison to the SPR-4 and his list of strengths and faults. When you set the dial to any WWV frequency, including the 2.5 MHz frequency, the station not only should be there, but actually is, without fail, every time, and exactly on the frequency indicated on the readout. There is no need for calibration knobs or any other such paraphernalia. The only time that the readout is off is when the set has been around so long that it needs realignment (of course, if you do buy a set that isn't aligned, it isn't going to be accurate - but the store should take care of that, no charge, and from my experience with at least four stores, this presents no problem whatsoever). When the set drifts (right during warmup, or immediately after tuning as the set has to take a bit of time to "settle" - and no more than plus or minus 500 Hz, or 1 kHz total) you know it, for the readout/counter doesn't just indicate, it counts, and it will show any drift. By utilizing the same local oscillator to obtain the first and second IF, any drift outside of plus or minus 500 Hz is automatically cancelled. The attenuator switch is useless ONLY when the external antenna is connected to the screw strip, as the Owner's Manual says. However, it does work beautifully on the coax-connected antenna provided there is not also a connection on the screw terminal, as, again, the ATT will be bypassed. The audio switch

for at least 10 years. See, WARC has authorized two Broadcast Planning Conferences to take place in the early 1980's that will discuss technical restrictions upon the use of these expanded bands by the international broadcasters. The two conferences will discuss and agree upon such topics as power limitations, frequency limitations, and the use of SSB as a medium in international broadcasting. After these planning conferences, on January 1, 1984, the first transfer procedures will begin. What this means is that the fixed services which now broadcast in the areas to be allotted to international broadcasting will start to transfer to different mediums. These transfer procedures should take 5 years and conclude on January 1, 1989. At this point, the new expanded bands will go into effect, barring some unfortunate delays due to such things as the failure of the two planning conferences in which case the expansions will not go into effect until way into the 1990's. (Getzel)

KENWOOD R-1000: Rob Harrington sends word that he recently tried the new Kenwood R-1000 at a DX meeting. He states that its selectivity is better than that of the DX-300 when the narrow position is used. In addition, he believes that the R-1000's frequency readout is superior to the Realistic. Those interested in this receiver can get a special price discount on it if you are a member of either the ASWLC or SPEEDX. Price is only \$400 from Ham Radio Outlet. And if you live outside of California, there is no sales tax nor shipping fee. For more information, contact Jim Rafferty, c/o Ham Radio Outlet, 2620 West La Palma, Anaheim, CA 92801. Telephone is 1-800-854-6046.

DX SHACK WALL DECORATION: Shortwave listeners who may want to decorate their listening area with an "out of this world" decoration; take notice: A colorful wall chart measuring 56 by 31½ inches showing the nine planets, with their geology, meteorology and geophysics including photographs of the planet's surfaces is available from Superintendent of Documents, Washington, D.C. 20402. Ask for Comparing the Planets. (Stock No. 033-000-00744-2). Price is \$1.50. (Bob Flick)

DX-300 AGAIN: Those interested in another review of the DX-300 may be interested in an article about this receiver written by Julia Hirsch which appeared in the November 1979 issue of Popular Electronics. (Jim Boehm)

NEW QSL POLICY FOR RADIO AUSTRALIA: Radio Australia is sadly discontinuing their listener's club and is changing their QSL policy. From now on, Radio Australia will only issue confirmation cards during one month of the year. And only during that month will they confirm reception reports. Ample notice would be given as to which month would be designated QSL month. In addition, most of Radio Australia's news staff and other station personnel were cut back. (Bob Flick)

DX CLUB: There is a new club for DXers called "The Miami Valley DX Club." Their address is 4666 Lark Hall Lane, Columbus, OH 73229. You can hear a DX report given by the club over HCJB's DX Party Line. (Andrew Newton)

NEW SPACING PLAN FOR MW PROPOSED: After losing the legislative battle to increase the broadcast band by several hundred kilohertz to make room for additional frequencies for minority, municipal and educational institutions, the Carter administration is shifting tactics. The FCC is now proposing a shift to 9 kHz broadcast band spacing instead of the present 10 kHz spacing. This would generate the additional channels the administration desires. Also, included in the hearings is the very controversial proposal which would increase the number of stations that could broadcast on a 24 hour basis. This portion of the administration's proposal generated a snowstorm of protest mail to Congress and resulted in Congress's inaction on the original plan. SPEEDX members who wish to make their views known, should write to the FCC in Washington D.C. (Bob Flick)

RSA: Radio RSA is planning to inaugurate this year a South American Service in Portuguese and Spanish. (Ginbey, Radio Nederland)

NEWS BROADCASTS ON SHORTWAVE: Those interested in a review of what type of news broadcasts can be heard on shortwave and a listing thereof can read an article about this subject by Glenn Hauser in the January, 1980 issue of Popular Electronics.

NEW DIRECTOR FOR VOA: President Carter is expected to name Mary Bitterman, the executive director of Hawaii Public Broadcasting Authority, as head of the VOA. She replaces R. Peter Straus who left the post for personal and political reasons. She will be the first woman to head the Voice. (NY Daily News, December 26, 1979)

RIB: Those interested in the programming side of international broadcasting may be interested in Glenn Hauser's "Review of International Broadcasting." For a sample copy of this terrific magazine, send \$1.00 to Glenn Hauser, RIB, University Radio WUOT, Knoxville, TN 37916.

TIPS AND TOPICS CONTRIBUTIONS: Articles on receivers, antennas, accessories, radio stations, and the hobby in general are being actively solicited by this editor. All I ask is that all articles be typed double spaced on 8½ x 11 inch paper. If you do not have access to a typewriter, please print the article as neatly as possible. Thank you.

*Arthur*  
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## FEBRUARY CONTRIBUTORS

Each name is preceded by a number, indicating how many SPEEDX columns you contributed to this month. An \* preceding a number indicates credits given for the previous month. PLEASE NOTE: Credits other than SWBC/UTE/QSL/SKEDS are NOT listed here, they are recorded in the permanent file of the member and added to their total. Inquiries regarding credit totals should be sent to: Vera M. Crable, 5114 N.17th St. Coeur d'Alene, Idaho 83814 USA. Please enclose a SASE for a SPEEDY SPEEDX reply, TNX. Happy DXING.....73's JMC

5 AUDETTE, David	MA.....DX-300	3 HODSDON, Thomas	MN.....FRG-7
2 BAKER, Donald	DE.....RF-4800	1 HOFFMAN, Charles	PA.....FRG-7
*1 BARR, Jose	CA.....?	1 HOLBROOK, Hank	MD.....SP-600
*1 BEEMAN, William	OH.....RF-2800	3 HOLLAND, Darryl	NY.....FRG-7000
4 BERKHOLTZ, Nick	MN.....RF-2800	*3 HOOK, Jerry	FL.....DR-22
5 BINAU, Nan	MD.....RF-2900	1 HOWARTH, Chester	WA.....SPR-4
1 BLAIZE, 'Sandy'	LA...EDY 830-7	1 HOWELL, Joe	CA.....FRG-7
3 BLOM, Gordon	NY.....DX-160	3 HRIVNAK, Donald	IL.....FRG-7
2 BOEHM, James	TX.....R-4C	*2 JONES, David	VA...5-151-1A
2 BOERST, Ronald	FL.....RF-2200	1 JONES, Jack	MS.....DX-150A
5 BREWER, Paul	TN.....RF-2800	2 KANA, John	GA.....R-390A
1 BROWN, Clif	IL.....FRG-7	3 KAUFMAN, Malcolm	NY.....RF-2900
1 BURGESS, Ken	SASK.....FRG-7	2 KAVALESKY, Edward	OH.....SPR-4
*5 BYRON, Leslie	NY.....PTL-9	*1 KERN, Steve	CA...ICF-6700W
1 CARRIER, Dan	VA.....FRG-7	*1 KLASEK, Terry	MO.....DX-160
3 CARROLL, Wesley	LA.....DX-300	1 KNEASKERN, Bill	NY.....DX-300
4 CEREGHIN, John	MD.....AR-2	2 KOBAYASHI, Makoto	JAP..TRIO-R-300
2 CLARK, Guy	KS.....FRG-7	*4 KOWALSKI, Paul	WI.....SX-190
3 COLEMAN, Robert	MA.....FRG-7	1 KRATTER, Jay	NY.....XCR-30
1 COLLINS, Jan	OR.....SPR-4	1 KUSALIK, Edward	ONT.....R-388
3 CONNELL, Charles	CA.....CRF-320	1 LATTEMANN, Jack	WA.....FRG-7
*3 CRAWFORD, Duke	CA.....RF-2800	1 LAZARUS, Henry	LA.....SX-190
5 CUCURA, Vladimir	PA...FRG-7000	3 LEEMAN, Joseph	RI.....FRG-7
1 CUNNINGHAM, Ken	CA.....DX-160	*1 LINDSEY, Randy	NJ.....DX-160
3 CUNNINGHAM, Larry	OH...FRG-7000	*1 LIPPMANN, Kevin	FL.....SSR-1
1 CURTIS, Freddy	TN.....RF-2800	5 LOBELLE, Chris	MA...FRG-7000
3 DAVENPORT, Bill	TN.....DX-160	*6 LOREN, Stefan	CA...FRG-7000
4 DAVIS, Charles	GA.....DX-300	3 LOWE, Derek	AR.....FRG-7
*2 DEKEYSER, Lucien	CA.....FRG-7	5 LUCAS, Richard	CA.....DX-300
1 DESROSIERS, J.R.	MA.....R-388	3 MAAG, Phillip	CA.....DX-300
3 DILL, John	NJ.....DX-160	4 MAISE, Clarence	LA.....FRG-7
6 DONLY, Bob	SC...EDY 830-7	3 MARSHALL, Ronald	AZ....FRG-7000
2 DRAESEKE, Gordon	CA.....DXR-1	3 MAPPIN, Russ	WA.....FRG-7
3 DREW, James	TX.....FRG-7	4 MARTIN, Bob	LA.....FRG-7
4 DUNN, Duncan	CA.....FRG-7	1 MAYER, Jim	CA.....FRG-7
5 DURNAVICH, Carl	IL.....RF-2800	5 MCCOOL, Kevin	MS.....DX-160
*5 EARHART, Ken	PA.....NRD-505	2 MCKINNEY, Larry	PA.....RF-2800
*2 ERAMO, Mark	MA.....RF-2200	2 MCLEAN, Scott	NY.....SW-717
1 EVANS, James	TN.....RF-2200	4 MELLINGER, Craig	NJ.....FRG-7
*1 EWING, David	IL.....FRG-7	*6 MILLER, Bill	CA.....DX-160
*2 FACCIOLI, Dan	URUGUAY..ARC-28/70	2 MILLS, James W.	INDIES.....DX-300
1 FALLOS, John	ONT...ICF-6700W	3 MOMAN, Don	ALB.....FRG-7
3 FAMULARO, Ralph	NJ.....RF-2800	3 MOORE, Don	PA.....XCR-30
1 FERGUSON, Dan	WV.....?	3 MORRISON, Lewis	NC.....KY-2000
1 FISCHER, Mike	W.GERM...RF-2900	4 MOSIER, David	CA.....FRG-7
*6 FISHER, John	MA.....GPR-90	5 MOSS, Marc	CA.....SW-717
*6 FORBES, Lewis	TX.....FRG-7	*6 MUNSTER, Ralf	GA.....FRG-7
*2 FURNIER, Edward	VA.....FRG-7000	4 MURAKAMI, Keiichi	JAP...RF-2000F
2 FRANZIS, Patrick	CT.....DX-160	1 NEWELL, Colin	BC.....RACAL
*6 FRASER, Robert	MA.....XCR-30	4 NEWTON, Andrew	GA.....DX-40
*6 GAEDE, Allan	CA.....R-390	2 NOLDEN, Phillip	CT.....SPR-4
3 GEORGE, Charles	TX.....SSR-1	*2 OAKLEY, Marjorie	OR.....FRG-7
2 GRENIER, Pete	CA.....FRG-7	*1 OLSON, James	CA.....R-392
1 HANSEN, Chris	NY.....SPR-4	*4 OSSEGE, Ted	OH.....DX-160
1 HARRINGTON, Rob	CO.....DX-300	4 OTTOWAY, Robert	CO.....FRG-7000
*2 HASKETT, Thomas	IN.....RF-2200	2 PECK, Martin	NY...ICF-6700W
1 HASSELKUS, Chris	OH.....RF-4900	1 PETERS, Michael	MAN.....R-4B
3 HENSLEY, Baxter	TX.....FRG-7	4 PETTIT, Lani	IA.....RF-2800
*5 HESCH, Ruth	NY...FR-6600JW	2 PHILLIPS, Teri	CT.....R-388
6 HEYMAN, Stephen	NY.....DX-160	1 PIMBLETT, Nigel	ALB.....DX-150A



is indeed as he has evaluated, and it has been a pet idea (still on the drawing board) to permanently set the audio on Wide and use the switch for a variable notch filter (a la op amp, which doesn't have the shape factor of a mechanical filter, granted, but is a bushel cheaper and can still work wonders, not to mention the fact that it is variable depending on either the values of resistors or capacitors used in the bridge part of the circuit. You guessed it - this thing is in the single-digit dollar range even if it does have a higher Q than standard coil/capacitor type arrangements, and when used in conjunction with the popular ceramic filters, it can't help but improve overall Q.).

Tuning on the DX-300 is no more a chore than certain of the older, more-heralded tube type communications receivers (I haven't heard anyone complaining about THOSE sets!) and it most certainly is a blessing to have the preselector et al built in to the set rather than tune (on the 300, its all there in front of you and in convenient geographic location - all you have to do is tune). Tuning the MHz knob certainly takes no more time than switching a band switch, and tuning the Fine Tune knob is necessary only in SSB reception, or in low QRP situations. In a good number of QRP situations this is not necessary.

I've read the specs on a few Drakes, and I must say that, when comparing the sensitivity of the 300 to a Drake, I was surprised to see the S10 ratings when Nikolich compared his two sets. The DX-300 is by far a more sensitive set - but thereby being a noisier set without benefit of a noise blanker (just ANL) like the SPR-4 has, rendering the SPR-4 with an edge on the 300 in the S+N/N at 10 db department. But it is true - I ran my 300 in tandem with an R4B, and the noise factor made the difference in the ability to render a signal detectable, if not readable. Needless to say, a more effective noise blanker is also on the drawing board for my 300 (fondly known as the Meen Green Macheen at this QTH, due to the custom paint job by yours truly).

All in all, the DX-300 is one dynamite receiver for the money PROVIDING you treat it properly, as it stands stock. With just a tweak or two to soup 'er up, she could give all kinds of trouble to the higher-priced sets, including the 390-A and it is my intention that by the time an ANARC Convention comes back around the Midwest again, I'll have my rig fully modified to my satisfaction and I'll be able to take any challenge from any other make in the under 700 dollar bracket, and a selected few in the over 700 dollar bracket (I mean, after all, there ain't no possible way I could hope to run against any of the more recent Collins/Rockwell digital models! Older RACAL's are a possibility but certainly no RACAL-MILGO's, if you know what I mean!). Too many times the money is in the peripheral features than in performance, but there are occasional cases when it is spent on performance!

In short, I am not only satisfied with the set, but also have a lot of faith in its performance. Rumor has it that Tandy will discontinue both the 300 and the 160 and come up with something new, and while I'm curious (and a bit impatient) for the unveiling, I'm still considering myself fortunate to have gotten the bread to purchase a 300 - after all the hue and cry and gnashing of teeth with regard to this misunderstood rig. I can pretty well count on the possibility that there won't be another one like it.

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## DXING WITHOUT AN ANTENNA

by Darryl Holland

Well, almost. I have found two electronic aids of invaluable use. The Palomar Amplified Loop Antenna is a trifle expensive but more than justified. For \$69.00 for the Loop Amplifier and \$49.00 for each desired Plug-in Loop (1600-5000 kHz, 550-1600 kHz, 150-550 kHz) you can double or triple your country count virtually overnight. It is perfectly suited for apartment dwellers (a window location is suggested), operates on a 9 volt battery and is a self contained, "prefab" antenna. For beginning or non-technically inclined DXers, this is the answer to a prayer. Merely take it out of its box, attach it to your set, and away you go. Did I mention, the Palomar Antenna is also very compact (i.e., small)?! You have a dynamo the size of a cigar box at your fingertips.

There is also the Mizuho SX59 Preselector/Preamplifier. For \$87.00, you attach your antenna (I have an external random wire) to this SX59 and you can add phenomenal signal boost when you connect the SX59 to your receiver. The SX59 also attenuates strong signals and covers 3-30 MHz. Here's a tip for tropical band specialists: Try attaching the Palomar Loop Antenna and the SX59 to your receiver! Turn them both on and watch a 1/2 kw station blow your receiver's speaker.

Folks, if you want to hear Indonesia, Burma, Antarctica or Togo you can't do better than either or both of the above aids. (Except possibly a roof top chimney to chimney personally constructed antenna.) Both the Palomar Antenna and the Mizuho SX59 are available from those nice people at Gilfer Associates, Park Ridge, NJ who will be more than glad to

send you a catalogue for your perusal. What's more, Gilfer ships their merchandise, fully tested before shipping, within 48 hours barring unusual stock depletion. Yours truly has been luck to get a catalogue alone within 48 days from some other SW concerns only to find nothing to compare with the Palomar Loop Antenna or the SX59.

Don't take my word alone. The proof is in the listening. Pardon me while I turn on Botswana!

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## DXING IN CHINA

by Traver Smith

Last fall I took along my Sony ICF-5900 and ICF-7600 while on a three week guided tour of the People's Republic of China. I wondered at first whether the Chinese would let me bring in two shortwave receivers but they paid no attention to them. Electrical power (220 volts, 50 Hz) was almost always available, but I operated the radios on batteries.

The ICF-5900 is a good portable DX radio. Its light weight, relatively small size, and rugged construction, makes it easy to pack in a suitcase. Its tuning system, while rather awkward, is accurate to 5 kHz, and it has good sensitivity, especially with the mini-earphones I brought along. I usually operated it on the built-in whip antenna, but sometimes I was able to drop a wire out a window.

The shortwave bands in China were very quiet because there is little interference from the minimal power lines and few automobiles. I logged stations from all over Asia of course, from Europe, Australia, South Africa (only once) and North America. I never had enough time for real DXing (the Chinese guides keep you busy touring). If I couldn't identify a station quickly, I had to let it go. As a result, with my limited Spanish, I didn't identify any Latin American stations, though I'm sure I heard some. I must study Chris Hansen's Spanish course more intently.

I was most interested in receiving AFRTS or VOA, because I wanted news from home. Incidentally, my shortwave listening was the only news we ever got while in China. Each morning I distributed a news summary to the group at breakfast. The AFRTS service is really wonderful for the traveler because they transmit US domestic news almost continuously. VOA gives news every half hour or so, but it's internationally oriented, without much about what's going on at home.

I found lots of jamming. Often AFRTS broadcasts from the Philippine transmitter would be jammed, but VOA was usually clear. It seemed that often a strong Soviet station would be right on top AFRTS making it impossible to understand them. Why would anyone try to block AFRTS and not VOA?

When I had time, I filled out SPEEDX SWEC DX Report Forms, which I mailed to the DX Editors. I indicated a city location on each logging, because the cities I visited in China were some distance apart from each other. Our trip was all the way across China from Canton to near the Mongolian border. This would be comparable to going from Havana to Milwaukee.

The ICF-7600 was very useful, but it's not a DX instrument. It has good band spread, which makes good selectivity, but frequencies can't be read accurately and mine, which I bought in Japan a year ago, has always been out of calibration anyway. I've never attempted to correct it. However, its small size and light weight are a real virtue. We went into the Mongolian Grasslands by jeep and could take only minimal baggage. I took along the 7600 and it kept us in touch with the world (I wonder why that's important).

One time, while riding on a train in Inner Mongolia, I got AFRTS-Philippines for the group by holding the 7600 against the window. Two of the men on the trip were so impressed with the 7600 that they each bought one when we got back to Hong Kong, where that receiver sells for about US \$80.00. By the way, when I got to Japan I learned that Sony is no longer making the ICF-5900, so it will soon disappear from the American market. I'm glad I've got one.

=====

## TIDBITS

WARC '79: Well the verdict is in. WARC '79 has decided upon the future of international communications. According to most observers, the international broadcasters got less than they expected.

According to the conference, there will be no frequency expansion below the 9 MHz band. That means the tropical bands will remain as is. Above 9 MHz, there has been many changes. The new 31 meter band will be from 9500-9900 kHz; the new 25 meter band will be from 11650-12050 kHz; there will be a new band between 25 and 19 meters from 13600-13800 kHz; 19 meters will be from 15100-15600 kHz; 16 meters will be from 17550-17900 kHz; and 13 meters will be from 21450-21850 kHz. But the bad news is, don't expect to see these changes

1 POKATILOFF, Ron	IL.....SSR-1	1 SIDDNS, Lee	FL.....?
3 PRATH, John	FL....FRG-7000	4 SLOVINSKI, George	CA.....DX-300
*1 PURCELL, Charles	MN.....ICF-7800	*6 SMITH, Thomas	FL.....XCR-30
*5 RADCLIFF, Ben	IL.....SB-310	7 SMITH, Traver	CA.....NRD-505
*6 RAY, Richard	PA.....DX-160	2 SOMERS, Jack	CA.....FRG-7
3 REESE, Orla	KS.....QR-666	4 STONE, Wilfred	ONT....FRG-7000
*1 ROGERS, Wesley	ONT....SX-190	1 TAUSSIG, Brian	CA.....DX-160
*5 ROSEWARNE, ALLAN	CA.....FRG-7	1 TIMMER, David	IN.....RF-2200
3 ROSS, Robert	ONT....FR-101-S	5 THOMPSON, Glenn	NM.....FRG-7
1 ROTRAMEL, Garth	AR.....FRG-7	4 THOMPSON, Peggy	CA.....FRG-7
3 RUDOLPH, Bill	AL.....DX-300	*3 THURMAN, Skipper	IL.....RF-2900
*7 RZEPKA, Robert	WI.....RF-2200	*6 TRUMMEL, Kirk	IL.....S-38E
1 SAKIYAMA, Junichi	JAP.....FRG-7	3 VALENTINE, Fred	CA....RF-4800
3 SANDERSON, John	AZ.....DX-160	6 VRANES, Alex	PA.....FRG-7
2 SAVAGE, James	CA....RF-2800	2 WALLACE, Robert	HI.....CF-9505
3 SCHAAP, William	DC....RF-2900	1 WHITEHEAD, Jim	MA.....SX-190
*1 SCHIPELLIT, Peter	ME.....FRG-7	5 WILLIS, Fred	PA.....SPR-4
3 SCHROEDER, Arthur	WI.....DX-160	4 WITTE, Marjorie	CA.....FRG-7
*2 SCHWEIKART, David	VA.....FRG-7	1 WORREL, Rick	ND.....DX-160
*3 SEMESKY, Thomas	IN.....FRG-7	*7 YAJKO, Robert	PA.....SPR-4
*1 SERSHON, Ed	IL.....DX-160	*4 ZILMER, Bob	WI.....R-390A
*1 SEYMOUR, Woodrow	NC.....SPR-4		

SPEEDX appreciates the reports of 163 members who took the time to report. One column has not arrived at this QTH, and a few credits are missing, so will add those credits to next months Contributors List. We welcome 9 members who are reporting for the first time, their names are below.

DONALD BAKER.....DE	PHILIP MAAG.....CA	GARTH ROTRAMEL.....GA
ROLAND DESROSNIERS...MA	KEIICHI MURAKAMI...JAP	WILLIAM SCHAAP.....DC
MAKOTO KOBAYASHI...JAP	ROBERT ROSS.....ONT	LEE SIDDNS.....FL

ITEMS FOR SALE/TRADE/WANTED

PREPARED BY OLIVER ELLSWORTH

FOR SALE: Sony ICF-6700W, mint condition. Will ship in original container. \$275 ppd. Contact Ron Heath, 12506 E. Fallcreek Lane, Cerritos, CA 90701. Phone (213) 926-1613. No collect calls.

FOR SALE: Astronaut Six SW/AM/FM/VHF receiver. 4 years old but in good condition. \$80 ppd. Contact Mark Eramo, 5 Kimball Dr. Stoneham, MA 02180.

FOR SALE: FRG-7000 with 2.9 Collins selectivity modification. 6 monts old, must sell to pay for Christmas!! \$500 ppd. Tony Dubrick, 4600 N. Clarendon, Apt.602, Chicago, IL 60640.(312) 271-1187.

FOR SALE: Yaesu FRG-7000, new, little used. Modified by Radio West w/2.9 kHz mechanical filter, and switchable AGC. \$600 ppd. Certified check/money order only. Contact with SASE, Mike Hardester, P.O. Box 49 (NDRC) NAS--Miramar, CA 92145.

FOR SALE: Radio Shack #277-111 six-digit frequency counter, all parts less cabinet. Could be used for SW receivers but I don't know how to hook it up. Under warrantee. Cost over \$100, sell for \$60 plus postage, or best offer. Marc Moss, 3635 Royal Woods Drive, Sherman Oaks, CA 91403.

FOR SALE: Yaesu FRG-7 1 year old in excellent cond. \$280 ppd. John P. Kana, 260 Huntington Ct. Fayetteville, GA 30214. (404) 451-4847 no collect calls.

FOR SALE OR SWAP: One RAK-3 Double Dipole Antenna. New never used. \$40.00 or will swap for an audio filter or pre-selector, make offer. Bob Wirrell, 85 Stillman Ave., Brocton, MA 02402

FOR SALE: FRG-7000, Radio West modified with Collins filters. In Exc. cond. Still under warranty. \$450 ppd. Tom Adams, P.O. Box 1165, Midland, MI 48640. Phone (517) 631-7115 after 5:30 PM EST. No collect calls.

FOR SALE: Panasonic RF-2200 Exc.cond.\$125..Heathkit frequency counter,30 mHz Model IM 4100 Exc.cond. \$50..Heathkit RF-signal generator,model I-102 100 kc to 110 mHz. Exc. Cond. \$25. Victor Orlando, 1711 Robinson Ave., Havertown, PA 19083. (215) 853-2878. No collect calls.

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