

# FRIENDS

**T.P.**  
**BEIJING**

**印刷品**  
**PRINTED MATTER**

中华人民共和国北京广播电台  
RADIO PEKING (BEIJING) OF  
THE PEOPLE'S REPUBLIC OF CHINA



Schedule for English  
GMT Local Standard Time

**North America**

00.00-01.00	19.00-20.00 (E.S.T.)
01.00-02.00	20.00-21.00 (E.S.T.)
02.00-03.00	21.00-22.00 (E.S.T.)
12.00-13.00	07.00-08.00 (E.S.T.)

**North America**

03.00-04.00	19.00-20.00 (P.S.T.)
04.00-05.00	20.00-21.00 (P.S.T.)

**The South Pacific**

08.30-09.30	18.30-19.30 (Aust. E.S.T.)	30, 25, 19, 14
	20.30-21.30 (N.Z.S.T.)	
09.30-10.30	19.30-20.30 (Aust. E.S.T.)	30, 25, 19, 16
	21.30-22.30 (N.Z.S.T.)	

# China

NO COLLECT CALLS ON THESE ADS, PLEASE

FOR SALE: GE portable SW receiver, Model 7-2990, in mint condition with manual. Price \$110.00 or best offer. ALSO SX-190 SW receiver with speaker and manual. Good condition, Price \$140.00 or best offer. Solomon Wilson, 8048 Rodney Street, Philadelphia, PA 19150. Call (215) 224-5382 after 6 pm EST.

WANTED: 1981 issue of WRTH complete, no extractions. Write and quote price. George C. Schrammel, 3009 West Lakefield Drive #3, Milwaukee, WI 53215.

FOR SALE: Kenwood R-1000 general coverage receiver in excellent condition. Modified by Radio West. Contains 4 kHz ceramic, 2.9 and 1.9 kHz Collins mechanical filters, slow-medium-fast AGC, DC power jack, SP-100 external speaker, owner's manual. Price \$450.00 or best offer. Victor Barz, Room 3208 Cross-Baits II, Ann Arbor, MI 48109. Call (313) 763-2848 between 1200-1500 and 0000-0500 UTC. Call (616) 965-4529 from 2/21/86 to 3/1/86.

WANTED: Operating manual for XCR-30 Mark 2 Barlow Wadley. A photo copy would do. Will pay postage for same. A. Lisanti, 8201 4 Avenue, Brooklyn, NY 11209. Phone (718) 680-8164.

FOR SALE: Yaesu FRG-7000 communications receiver with Radi West installed switchable Collins SSB filter, vernier fine tuning. Like new condition. Will ship via UPS within continental USA. Price \$259.00. Ralph D. Stern, P.O. Box 1295, El Granada, CA 94018. Call Ralph at (415) 728-5204 evenings and weekends.

FOR SALE: ICOM R-70 receiver in excellent condition with manual, spare fuses and original carton. Asking \$400.00 which includes shipping and insurance. David M. Wurl, 908 West 14th Street, Marshfield, WI 54449. Phone (715) 387-3947.

FOR SALE: MFJ-1225 RTTY/cw receiver computer interface, 12 v DC output power supply, and software program for Apple computer. Price \$50.00. Ray Kutchek, 2456 West 46th Place, Chicago, IL 60632. Phone (312) 254-8255.

FOR SALE: 500 rupiah notes at 2 for \$1.00 plus SASE. Great for including in reception reports to Indonesian broadcasters. Any amount all right, but please affix enough U.S. postage. Gerry Bishop, PSC 1, Box 2568, APO San Francisco, CA 96286.

FOR SALE: Kenwood R-1000 receiver with manual. Good condition. 1982 Model with choice of built-in filters 6.0, 2.7 kHz. Price \$265.00 plus UPS shipping. A.E.A. MBA-RO CW/RTTY/ASCII reader. Displays 32 letters/numbers of copy. Excellent condition, little use. With manual, original carton, table stand, 12 volt power transformer. Great for RTTY/Ute fans. Price \$160.00 plus UPS shipping. Electronic Research Corporation (ERC) SL-56 CW/SSB audio filter. Has peak and notch controls. Good condition with manual. Price \$25.00 plus UPS shipping. SPECIAL: Buy all of the above and receive "Guide to RTTY Frequencies" and "Confidential Frequency List" by O.P. Ferrell, Sanyo SLIM cassette recorder, Allied SP-190 external speaker and patch cords...all for \$400.00. Steve Kennedy, P.O. Box 402, Waverly, TN 37185-0402. Phone (615) 296-1897 daytime (home) and (615) 296-2456 nights Mon-Weds and Fri. 0100-0600 GMT.

FOR SALE: Sony ICF-2001, \$95.00; ICF-6700W, \$175.00. Prices include shipping. Customized Beam Headings (from/to) and Distances (MI/KM) to over 355 WRTH transmitter sites. Useful in picking alternate transmissions and selecting listening times bases on distances. ITU Country Codes included. Send your location or coordinates, \$6.00. Gilfer's Confidential Frequency List, (5th edition) and Guide to RTTY Frequencies (2nd edition), \$5.50 each. FRENDX, complete 1984, \$5.00. Cashiers check or money order. Al Drehman, Route 2, Box 3B, Tryon, NC 28782. Phone (704) 894-3398.

# CONTACT

Editor: Stephen G. Moye, 178 Bartlett Ave., Cranston, RI 02905 Phone: (401) 941-6497

I begin this month's CONTACT with an excellent letter which addresses itself to the "Electronic Communications Privacy Act of 1985" and sheds an interesting historical light on the problems posed by that piece of legislation. The letter was written by Richard E. Berg-Andersson VDX2RSG/KNY2NM, Woodside, New York):

I read with interest the letter forwarded to you by Duke Alexander in January's issue of FRENDX. That same month's CO Magazine referred to the proposed "Electronic Communications Privacy Act of 1985" by number -- in the Senate It's S.1667, and in the House It's H.R.3378. I would advise NASWA members corresponding with Congressmen regarding this bill (which would extend anti-wiretapping prohibitions to wireless telephones--cellular/mobile, cordless, etc.) to refer to the above numbers.

I am very much opposed to this bill on principle. Shortly after World War I, the U.S. Government--through the U.S. Navy--tried to maintain its ownership--if you will--of the radio spectrum. In other countries, governments were successful in their efforts to control radio, which is why--to this day--most national governments control every aspect of radio/TV, even public broadcasting! Here, however, the fledgling American Radio Relay League, led by Hiram Percy Maxim, representing amateur radio operators (and, let it not be forgot, "amateur radio operators" back in 1919 included those who merely received--i.e., SWLs), successfully kept radio out of government hands by putting pressure on the U.S. Congress.

I think it might be time to do that again. In my opinion, this bill waters down the idea that flows from the legislation of 1919--that, while the message senders/receivers own the message (preventing you or me from using or divulging it), they do not own the airwaves the message is sent over; we--the people--own the airwaves (allowing you or me to listen to them). Mobile/cellular/cordless telephones are nothing more than radio transmitters, and I cannot subscribe to the idea that some radio services are entitled to a higher standard of privacy than others, because those other services will want that higher standard, too. This will, eventually, lead to a melting away of a delicate balance which may affect our hobby adversely and profoundly.

I think that, if a majority of NASWA members so desire, we should--in the spirit of Mr. Maxim--come out, as a club, against this legislation. Perhaps it will take the entire ANARC affiliation. I urge all NASWA members to think long and hard on this issue and to act accordingly.

ery well said indeed. It is now up to us to make our opinions known--immediately and without delay. The advantage of time is on the side of those who want this legislation passed; we have only to remain silent one moment too long and the whole aspect of communications law will be changed beyond recognition: and once changed, there is little hope of changing it back again--there is a kind of inertia to laws in that once they are made they tend to remain the way they are. Right this minute, take pen in hand and WRITE!

The ability, the freedom, to communicate is a wonderful--if delicate (see above)--thing. Last month, Gerry Bishop put forward a suggestion that beautifully points up this freedom. A letter from John H. Bryant (Stillwater, Oklahoma) enthusiastically takes-up Gerry's idea:

In response to Gerry Bishop's "bizarre" idea of having a fund drive to buy a SW XMTR and then contribute it to someone/some station in a country not now on SW, I THINK IT'S A FANTASTIC IDEA! It would be nice to pick a country that really needs a SW service as well as one that most of us hungry DXers really need. Beside Tristan, Panama and Palau, I'd suggest Christmas Island, Pitcairn Island (some of Fletcher Christian's relatives or maybe one of the Caribbean Islands.

If we really did this, I'd suggest some stipulations:

- 1) That the station getting the XMTR agrees to broadcast regularly on SW for at least five years;
- 2) That they undertake to have part of each broadcast week during times when propagation is possible to North America, and either Europe or Japan or both;
- 3) That they agree to verify all correct reports which enclose adequate reply postage.

If there is a groundswell of support for this, I'd be glad to work on a committee to make it happen. In any case, put my pledge down for \$20/year for five years! How much does a 1kW SW XMTR cost, anyway?!

If this delightful notion intrigues you, let me know--drop me a letter. By the way just what does a 1kW SW transmitter cost? They are not, as a rule, advertised in the popular press.

The topic of choosing the right receiver for SWL is one, rightly, of perpetual interest. As insights are often rather hard to come by, I threw this topic out to the FRENEX readership for comment and the following two letters are the first to speak to it. Steve Kennedy (KB4PZX Waverly, Tennessee) writes as follows:

In the December '85 FRENEX CONTACT you asked for comments on what were one's requirements for a receiver purchase, and how [those requirements] are modified

As a constant user of communications equipment as a SWL and now as a Ham for over 21 years, the selection of equipment has always been a prime concern. In late 1976, Yaesu came out with the famous FRG-7. For years, I had been a user of tube equipment, and thought at the time that it was time to make the switch to the newer solid-state gear. However, not to be swayed by just the ads, I corresponded with over a dozen users of the FRG-7; some were well known names in the hobby. As time progressed, it was evident that there were problems with the new sets and somehow I managed to continue my interest in tube gear. But, what the hell.. I went ahead and tried the Allied SX-190, (Kenwood)R-1000 and the more recent (Yaesu)FRG-7700. Each time, I was not able to receive on the newer rigs what could be heard on a Collins, Drake, or Hammarlund.

What are my criteria in selecting a receiver? As a Ham whose only on-air mode is CW, and as a serious tropical bands fan, selectivity is the prime concern. Most of my equipment is in operation at least 6 to 9 hours a day 7 days a week. Although we have been told for decades of how reliable the solid-state devices are, I have had fairly decent luck with the old vacuum tube. Sure, the tube will wear out, but I probably replace 5-7 tubes a year in a shack full of gear with probably 60 tubes to make it work. Additionally, a major concern is repairability. Most equipment presently marketed is really not repairable [even-sgm] by many who have technical facilities and experience. Traditionally, it was (and is) easier to repair a large tube-type receiver. That ICOM, Yaesu, or Kenwood is jam packed with components that defy traditional repair and maintenance procedures. The end result is that it must be shipped back to the manufacturer's service department. I have known of too many who had problems with [recent] receivers and transceivers.

Granted, there often have to be a few compromises made in selection of equipment. In my case, using tube gear, I don't have the fancy LED or digital read-out of the new sets. The Hammarlunds have the old round analog dials. No problem. I have calibration charts, or a WWII BC-221 frequency meter to locate unknown frequencies. The old 'boat anchors' must have 110 volts AC, and it is impossible to take them along on a DXpedition unless 110 AC is available. But, considering ease of repair, rugged construction, better selectivity, and fairly decent sensitivity, I have never regretted the use of an American-made tube-type receiver for my use. As long as parts can be located to keep these old relics going, you better believe I am going to keep them.

Steve's letter implies two crucial steps in choosing a piece of equipment. First you must make a clear assessment of your needs. Second, you should make a survey of the literature, or of owners/users of the equipment that you're interested in. This done, you stand an excellent chance of making a good choice. A letter from Ronald Purdue (Byron, Minnesota) makes another very pertinent point about selecting a receiver:

I have been a member of NASWA for over 2 years now, and I bought a new Yaesu FRG-8800 for my own Christmas present. Boy, what a radio for SWDX! I bought it from Electronic Equipment Bank on the 5th of December. It arrived on the day after

Christmas.

I was planning to buy an ICOM R71A but that was too expensive! In my opinion, the FRG-8800 works just as well as the R71A. It sure looks like the FRG-8800 [operating] program is on ROM (except that the 12 memory channel capability is on RAM) which should be better than the R71A.

The FRG-8800 has good overload rejection. It has quickly replaced the Realistic-DX-300 as a true DX machine! I hope to increase my Scoreboard totals dramatically within the next year.

The point here is that if a receiver does exactly what you want it to, regardless of what it costs or what it costs, then it is the perfect receiver for you. This topic is still wide open, and further discussion would be helpful to a lot of people. Let us hear from you.

In the December 1985 CONTACT we had an interesting letter from Gerry Bishop that described DXing in the Philippines; at that time I extended an invitation (still open) to others to describe their DX experiences outside the continental U.S. Roland Schulze (Stuttgart, Federal Republic of Germany) has generously taken up the invitation, and on a very large scale: his letter runs to four pages of typewritten, detailed loggings and observations. Limitations of space just do not permit me to print the entire letter, but I will send a copy to anyone who sends me a note requesting it. Here, then, are some highlights from his fine letter:

First, I wish to all members a happy New Year and good DX. In response to the fascinating letter from Gerry Bishop, I wish to share my DX experiences from November to December 1985--my DX vacation. I live in Stuttgart in the south-west part of West Germany. ¶The conditions here are sometimes very good, especially for some rare stations from Africa and Latin America. I am 45 years old and have been enjoying the SWL+DX-hobby for over 12 years. Most of the time I listen to the tropical bands. ¶Santa Claus brought me a very fine present: It is a DATONG-FL2 NF-Filter [This is an audio filter with 'auto-notch', known in this country as FL3--sgm] All in all, I picked-up over 60 countries in the tropical bands--this is not too bad for so short a time. Some of these are as follows:

Angola	4950v	Radio Nacional; wandering in here ca.2050UTC signals sometimes moderate
	5043.6	ER Benguela; 1915 to 2207UTC (here a rare catch)
	5062	ER do Huambo,tent.;1942UTC, signal was too weak to get positive ID; rare catch here
Comoro Isl.	3330.7	1734 to 1905UTC, in French and local langs., with change from international to internal service; also very rare here.
Mozambique	4732v	RMoc.; @1720UTC with moderate signal; regular here
	4923v	RMoc.,E.interprovincial de Maputo e Gaza; 1940UTC to 2207 s/off; not so often here [non-WRTH- sgm]
	3210v	RMoc.; in the evenings here, now seldom because of too much QRM.
Kampuchea	11937.8	Voice of the People of Kampuchea; at 1155UTC, in English w/news, and in French with news at 1215UTC; sometimes with moderate signals, but with splatter QRM (rare to hear here).
India		Coming in here in the late afternoon on the 60, 75, and 90 meter bands.
	3223	AIR Simla,tent.; only one time: this is here very seldom, on 17 Sept. at 1700UTC.
	3277	Radio Kashmir; very rare at 1700UTC
	3315	AIR Bhopal; at about 1720UTC; rare here
Nepal	5005v	Radio Nepal; regular here in the winter, 1445UTC with news in English.
Vanuatu	7260	R.Vanuatu; at 0830 to fade-out at 0915; rare here.

[By the way, in checking the Kashmir entry above, I noticed a lacuna in the WRTH'86 index to SW stations by frequency--pp. 537-564: page 537 ends with 3241kHz, and page 538 begins with 3447kHz. A small thing, really, but it had me going for a few minutes.]

Now to Central and South America.

Bolivia

4682 Here a rare guest!  
R.Paititi; ● 0500 with slow LA-music and ID;  
signals are weak (rare catch).  
4420.6 R.Reyes; at 0102, usually under UTE QRM, by  
a short break from this QRM I have a clear ID!!!  
very rare logs of both these Bolivians.

[The saga continues--there is no lacuna in WRTH'86: page 539 has merely been interchanged with page 538.--sgm]

Now I will give some logs from PERU with some rare catches.

4459.7 R.Norandina; 0308 to 0400 s/off with some clear  
IDs.  
4810 R.San Martín; at 0030.  
4824 LV de Selva; at 0040  
4839.8 R.Andahuaylas; at 0045.  
4885.3 R.Huancavellica; at 0205  
4920.2v R.Ondas del Titicaca; at 0055  
4950 R.Madre de Dios; at 2230  
4996v R.Andina; at 0130  
5030 LV de los Andes; at 0055  
5224.4 R.San Juan de Chota; at 0130  
5800.2 R.Frecuencia San Ignacio, tent.; on the 23rd  
of December at 0235; the signal was too weak  
to ID positively.

Now follows the best catch for this year:

GALÁPAGOS Isl.4810.3

LV de Galápagos; on 29 November 1985, from  
2340 to 0019; a very difficult catch--after nine  
years I pick them up here; there is strong QRM--  
SINPO at best was 23332!!!! With organ music and  
Andean music; some IDs given from male announcer;  
the use also of a bird call. Maybe you can pick  
this up in your area, and receive their very fine  
QSL--which I have in my collection of some  
rare QSLs.

Now, friend, I come to the end of my DX experiences on my vacation. Tropical band DXing is a 'hard' hobby because interference is becoming more and more strong. So I hope only that you are having some fine DX catches!!

WHEW!--and this is just a selection of a selection! (My admiration for the UPDATE and LOG editors--already great--has leaped to new highs: the clear and orderly presentation of loggings is exacting, if interesting, work.) I would, however, like to know what Roland uses for a receiver and antenna--it must be a fine combination. Thank you, Roland, for this informative look at European DX possibilities.

Just enough space for a few brief notes. The 1986 edition of the World Radio TV Handbook is now out and is better than ever; despite a few insignificant flaws (inevitable in a work of so great a depth of detail), much-improved layout contributes significantly to its ease of use. It is a must on the bookshelf of every active SWL. ¶Some copies still remain of my revised equations for the MINIMUF algorithm. Drop me a line and I'll send them to you. Included are equations for locating the terminator for 'gray-line' propagation from quantities already computed in the revised MINIMUF algorithm.

Now it's your turn: we want to hear from you! Have you run across an interesting book or source of reference? Have any lawyers in NASWA been following the interesting (terrifying is, perhaps, a better word) developments in communications law? If so, let us here from you with your considered thoughts on the topic. The list of possible topics is endless--take some time to suggest a few that you would like to see discussed. As always, my deepest thanks to both readers and writers.

73-





# Easy Listening

Editor: Alex Batman, 4636 Alvin Dark, Apt. 2, Baton Rouge, LA 70820

## SUNDAY

1110-0125: "Calling All Listeners" (Kol Israel). A letterbox program presented by a lively, good humored man and woman whose repartee is much like that of a local television newsteam (which I never thought was really all that bad). Letters read are from an international audience rather than exclusively North American and usually ask questions about Israel or shortwave listening--how terrorism affects people in kibbutzim, why is the Red Sea getting wider, what is needed for a QSL card, etc.--that can be answered in a minute or two. Usually averages about six or seven letters per program. (7410/9435/5895. Repeated at 0210 on the same frequencies.)

0210-0225: "Under the Southern Cross" (Radio RSA). Unlike other RSA programs, this one is produced in Cape Town. It is a magazine program usually consisting of 2 or 3 features (some programs are devoted to only one on human interest items relating to the Cape area. Past shows have included a summation of A.D. Patterson's writings about South Africa during the Boer War, a famous dog who was adopted by the Royal Navy in World War II, the attractions and dangers of Table Mountain, and interviews with a retired stewardess from an early South African airline and an opera singer who was performing in Cape Town. I rather like this program better than any other I've heard on Radio RSA. (6010/5930/9615).

## MONDAY

1240-2255: "Israel Sound" (Kol Israel). A program of Israeli pop music. Most songs are in Hebrew and current on the Israeli pop charts. Format varies; some shows feature a variety of pop tunes and other focus on the work of a single performer, sometimes including interviews. Titles are usually translated into English. (7410/9435/5885. Repeated at 9110 on the same frequencies.)

0133-0148: "Science Magazine" (Deutsche Welle). A science magazine program (as the name rather obviously suggests) usually including two or three features of about five minutes each. Past features have included pollution in Poland, the European Space Probe, a new theory about why nights are dark (I still think it's because the sun goes down), and archaeological evidence being used to settle the dispute over where Columbus is buried. (6040/6086/6145/9545/9565/11785. Repeated for the West Coast at 0500 on 5960/6120/6130/9545/9690/9755 (ex 11705). By the way, Deutsche Welle plans to expand their North American Service to include another transmission at 0300. Frequencies will be 6010/6185/9545/9565/9640, but I'm not sure exactly when this is scheduled to start.)

## TUESDAY

1240-1240: "Yen Ara (The Way)" (Radio Australia). A ten minute program that each week focuses on some different aspect of aboriginal life in Australia, both traditional life and the role and problems of the aborigine in contemporary Australian society. Past programs have featured aboriginal music, religion in everyday life, the aboriginal concept of sharing, the return of sacred landmarks, and the movement for aboriginal rights and their guarantees. (6045/6060/9580).

## TUESDAY (continued)

0200-0230: "Saludos Amigos" (HCJB). A rather refreshing letterbox program. It seems most letterbox programs answer questions from listeners about the country, but "Saludos Amigos" is a forum for people to write in and share a little about themselves--their jobs, family, interests, and opinions. Although there is no official "pen pal" corner, the program host will usually read your name and address if you express an interest in receiving letters. Program always begins with a selection of music from a different part of the world, and there are usually one or two musical interludes per program. The program is taped in Indiana, so the quickest way to get in touch with them is write to: "Saludos Amigos", P.O. Box 1345, Jeffersonville, IN 47151. They will, however, get a letter addressed to HCJB, but it will take a few weeks longer (6.250/9870).

## WEDNESDAY

2330-0100: "Top Twenty" (BBC). Since there is obviously not enough time to play all of the top twenty hits in the UK, the program usually only plays new entries to the charts and the biggest chart climbers, always giving their present and previous positions on the chart. The last seven minutes or so is a run-down of the top twenty hits ending with the number one top hit (played in full). (6175/9590).

0330-0345: "Jade Bells and Bamboo Pipes" (Voice of Free China). A short program of classical Chinese music, sometimes but not always, focusing on a particular classical instrument (like the Erhu or the bamboo flute). Usually averages about four brief selections per program with some commentary on the music or the way the instrument is being used. (5985/6065. Broadcast earlier on Tuesdays at 0230 on the same frequencies. It also used to broadcast on Tuesdays at 0630 on 5985, but the last few times I've listened the program has been in Chinese. Has VOFC dropped their 0600 broadcast in English?)

## THURSDAY

1230-1250: "The Week In Science" (Radio Australia). A science magazine program usually including two primary features and "Sciencescope" (usually two shorter science news items). Major features have included archaeological discoveries among the Lapitots, the role of molecular research in supporting the theory of evolution, and the effects of the baby boom on Australian society. "Sciencescope" items have included the transportation of eucalyptus trees to Africa and the likelihood of Halley's comet someday colliding with earth. (6045/6060/9580).

2330-2340: "Nature Notebook" (BBC). A ten minute program devoted to conservation and wildlife in general. Past features have included the evolution of butterflies in the Arabian desert, the trade in rhino horns, and giant pandas in China. (6175/9590).

## FRIDAY

0030-0100: "Country Music USA" (VOA). This program contains a variety of format styles, all pertaining to country music. Not long ago they did several weeks running on the Country Music Awards and the 60th birthday of the Grand Ole Opry. More usual, however, is



FRIDAY (continued)

an interview with a country music performer (like Roy Acuff or the lead singer for Alabama) or a run-down of the current top ten in country music, the top ten for the year, or the top ten of a previous year. (6135/9455. Not on other VOA frequencies beamed to the Caribbean at the same time.)

0135-0155: "Mailbag" (Radio Prague). A letterbag program presented by a single program host (a woman in this case). The format of the program seems to depend on the needs of the moment, some editions answering listeners' questions (sometimes briefly, sometimes in-depth), some editions merely feature listeners' comments, and some are special features (like a glass makers convention in Czechoslovakia). Most programs play one or two current Czech pop songs. (5930/7345/9540/9740. Repeated at 0335 on the same frequencies.)

SATURDAY

1120-1125: "Chinese Folktales" (Radio Beijing). Much as the title suggests, the program features a folktale each week from a different part of China (including Tibet). Past tales have included a story of a group of rich men at an inn who argue over who has the greatest treasure, the story of two snakes who are transformed into women, and other fairy-tale like lore. Quite good if you have any interest in Chinese culture. (9320. Repeated at 1220 on 9320/9640 and at 0920 on 9320/11685).

1410-1430: "News and Views" (Radio Moscow). A series of editorials based on current news items. Past features have included Pravda's editorial on the Geneva Summit, an interview with the president of the World Federation of Trade-Unions, the summary of a speech made at an elections meeting in Kiev, etc. Some of the editorials are written by Radio Moscow staff and others are taken from the papers or other current sources (11340. Repeated at 1810, 2110, 0010, 0410, 0710, and 1010 on various World Service frequencies.) Daily.

Since I've already run longer than I should have, I suppose it won't hurt to add a few more comments. I finally received a QSL from Radio Havana Cuba on the third try (right after I wrote last month's column. I suspect the new programming, which I'll have more to say about in coming months, did have something to do with it).

Also WRHI, World Harvest Radio, began broadcasting on schedule on Christmas Day. The best time I've found to pick them up is on 5995 at around 1100-1300 hours. What I've heard so far is largely Christian oriented pops and a few readings from the Bible.

Has Radio Earth dropped KCBI (or vice versa)? I missed them for three or four weeks running, and when I tuned in this Sunday to listen to "Shortwave Pandemonium", KCBI was playing country music. Just goes to show what happens when you lose touch for a month or so. Maybe they're preparing for their new transmitter on Curacao in June. I hope so. Not only will that make Curacao an easy country to log, but Baton Rouge is so close to Dallas that reception of KCBI is usually poor (same problem with WRNG in New Orleans).

Finally, I would like to thank the membership for the copy of the WRTH. I received mine last week and am already putting it to good use.

*alay Bob*



# Soundwaves

Editor: Paul Lannuier, 25 MacArthur Ave., Closter, NJ 07624

Greetings. Feels great to have been able to spend some time noodling with my radios. In fact, most of my winter break was spent in my shack, often until the wee hours; God bless caffeine! Here are some of the things I've heard lately (all times UTC):

**BBC:** Heavy metal isn't too widely heard on the SW bands. Once I heard an Eskimo metal band on CBC's Northern Service, but that's another story. "Rock Salad" is a regular BBC program featuring all sorts of good fast rock. I don't know how long this program has been airing, but I haven't heard it until recently. I usually catch it on Mondays at 2130, and again later at 0630 (UTC Tuesday). We all know what BBC frequencies work best for one's own QTH. If heavy metal is your cup of tea, check it out.

**JAZZ!:** I often catch Radio Moscow's "Jazz Show" on Tuesdays at 2130 on 5915 & 11840 kHz. Featuring Russian musicians, it is hard evidence that the Commies can bop, too! I bet most of the prominent Soviet jazz artists grew up listening to the VOA Jazz Hour, which in all fairness I should also mention. These days I usually hear jazz on VOA on Saturdays at 1900 on 17805, 17705 & 15315. (Don't hold me to these frequencies, though. They probably have changed for DB5. Check WRTH 86.) WRND has a regular 1/2 hour jazz show known as "Jazz :30"; time and frequencies are unknown to me, as I usually just happen to come upon it by accident. Lastly, Radio Earth aired a program called "Jazz Connection" during it's Sunday broadcasts via KCBI. I hope they keep it when they switch to WHRI early in the year. I'll try to keep all of you posted on this. (See "Listeners Notebook" Jan.86 for R.Earth schedule).

**ARABS:** Some AR items not previously mentioned in this column: Kuwait, 11990 kHz; Morocco, 17595 kHz; Egypt, 17690 kHz. All play excellent AR music around 1630.

**LATINS ON 60:** This list could go on and on and on... I'll just mention the few that always seem to have killer signals, which allow maximum listening enjoyment. All offer an abundance of music, so take your pick: Radio Columbia, Costa Rica, 4850; Ecos del Torbes, Venezuela, 4980; Radio Rebelde, Cuba, 5025; LV del Upano, Ecuador, 5039; Radio Catolica, Ecuador, 5055; Radio Sutatenza, Colombia, 5095. There are plenty more, but as I said these are only the ones I hear EVERY night. I should mention that an invaluable aid in identifying these Latin

American stations is the Tropical Bands edition of Radio Database International. (Thank you, Mr. Magne, for a book well worth it's weight in QSL's!)

MAILBAG: Mike Harris (of Log Report-A fame) writes and tells of his interest in classical music, especially Vivaldi. He gets a lot of his music from BBC, and notes that some pirates play OK stuff, but lack of regular schedules make them difficult to list. Mike recommends Radio Polonia for classical piano (great choice); also, he likes flute music played by many Mid-Eastern stations. Mike doesn't list any times or frequencies, though, explaining that he doesn't have any set times for listening, but rather just stumbles upon various stations while scanning the bands. Mike also mentions that he had originally started his college career as a music major, but eventually switched to Political Science. I can relate. I just switched schools and changed my major to communications. (One can take only SO much of Berklee College of Music! HI!)

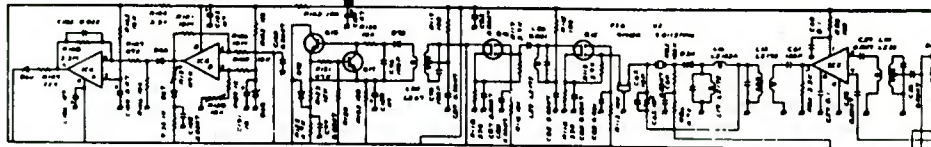
I received another note from Jerry Stuart, who is having good luck with his MFJ 308 converter in his Dodge. His comments: "I think the only reason the STEREO kicks in is due to overload & isn't really 2 channel." (Hmm. I wonder what effect NDXE's stereo signal will have on reception.) "On 49 meters I get BBC, WRNO, RHC, CBC, AFRTS, HCJB, YVTO, WHRI tests, DW, R.Nederland. 41 meters: many VOA, Moscow, CHU, WRNO, & Prague. 31 meters: Australia, VOA, Canada, RFI, R.Ned - Madagascar. 25 meters: usual (?) other than VNG once. 19 meters: Australia, WWV till 0430, plus all 1,982,536 WYFR frequencies. They used to say Radio Moscow broadcast all over the band, but I think WYFR beats them on being a frequency hog." Really! And as if thats not bad enough, they continue to bombard us with those VOFC relays, mostly in unintelligible English. (Does anybody really LISTEN to them?) At least some of the Chinese music is OK.

Lastly, Bryan Sharpe writes and tells of the Russian home service programs he's been hearing at his Castro Valley, CA., QTH. "Here on the West Coast interesting ethnic music can be heard on the various Soviet republic programs broadcast from Petropavlovsk - Kamchatskiy on 4485 kHz from 1430 till 1500 UTC on weekdays. I think that programs of the various republics are still rotated in some definite order, but then I am not able to listen to them regularly lately, and cannot be sure. Exotic stuff may occasionally be heard from the Uzbek, Kazkah, Georgian, Azerbaydhan, Kirgiz, Tadzhik, Armenian, and Turkmen republics, as well as more familiar sounding music from the Slavic and Baltic republics." Bryan mentions that the format is always as follows: ID, followed by a little more than 5 minutes of Novosti news, before music by noted artists and composers of the particular republic, with comments in between songs. This goes on until 1500 UTC. Good tip. The WRTH 86 lists this as relaying the Mayak program, which is "...a music program intended for all-union coverage featuring all kinds of music." I haven't been able to log this station here on the East Coast, although I did catch the Arkhangelsk station on 10 Jan at 1200 UTC on 5015 kHz, also with Mayak programming. A little easier to hear is the Cuban relay on 4765 kHz, which is S/10 practically all day long at my QTH.

OK, thats it for this time. Thanks again to all who wrote. See you again soon.

'73's,  
Paul

# Technical Topics



Editor: T. J. "Skip" Arey, WB2GHA, P. O. Box C-4, Cinnaminson, NJ 08077

## THE HAMMARLUND HQ-180 or SANCHO, LY TRUSS!

I never actually owned a HQ series radio. I have played around with an HQ-180AX at a friends ham shack and I had the privilege of babysitting JAN ROBINSON'S HQ-180A for a time. Since I own a K-390A I guess I have always felt that any boat only needs one anchor, if you take my meaning.

But now that I am more or less permanently planted in Cinnaminson, I can fully confess my love for overweight receivers. Especially since I would not need to carry them up and down stairs every year or so.

Yes young DXers. There really was a time when one of the considerations you gave to the purchase of a rig was, "Can I carry it, or do I need to get some friends to help?"

Return with us now to those days of yesterday, when DX listening posts were warmed by the glow of tubes! (You know, those funny glass things that drove up your electric bill.) STEVE KENNEDY takes up the mantle as guest editor this month as he tells us the tale from the age of tubes, when Hammarlund was king.

### A Classic Receiver by Steve Kennedy

Scan the Log Reporters in this issue of FRENDEX, and it is quite obvious that most members of NASWA are using Kenwoods, Icoms, Yeasus, Sonys...and other modern marvels of digitally tuned, solid-state, and computer designed receivers. Almost absent are the classic names in receivers...Hallicrafters, National, and Hammarlund. Many newer members are not familiar with the older tube receivers; and this article will introduce a very popular receiver of 20 years ago...the HQ-180.

Before we continue, it should be stressed that this writer is not in any way implying anything to demean the newer receivers. I own a Kenwood R-1000 which I enjoy. However, experience with many makes and models of receivers over 21 years has caused me to favor the old "boat anchor" tube receiver...I own a HQ-180 and a HQ-180A.

The HQ-180 series was made by Hammarlund from 1959 to 1970. In 1963, the HQ-180A model replaced the older 180 model. The 180A had 3 improvements...a 3 position AM/SSB/CW switch (the SSB position has a fixed BFO), semiconductor diodes replaced the 5U4 rectifier tube, and the First Oscillator and Mixer tubes were always warmed up as long as the set was plugged in...to prevent drift and improve stability. The receivers otherwise were identical.

The first thing that is obvious about the HQ-180 is it is a big receiver...19" wide, 10 $\frac{1}{2}$ " high, 13" deep...weight 38 pounds. It was well built with a heavy steel cabinet and chassis, and the front panel is aluminum. It is medium gray with brushed aluminum trim, large knobs, and big S-meter...indeed it is a handsome, quality built set.

Inside, there are 17 tubes. It is triple conversion superhetrodine circuit...switching to double conversion on the lower bands...below 7.85 Mc. (I still use megacycles and kilocycles.) 6 tuning ranges cover: .54-1.05, 1.05-2.05, 2.05-4.0, 4.0-7.85, 7.85-15.35, 15.35-30 Mcs. Tuning is the classic method of using a Main Tuning and a Band Spread to fine tune stations within the frequency range of the set. Although many who have experienced tuning with a digital dial will find the older type of tuning a bit annoying at first...it is not difficult to use. Indeed, before the digital dial...all S.M.s and DXers had to use this type of tuning system.

The tuning scales are circular discs connected directly to the tuning capacitors and geared with a 20:1 ratio to the knob on the front panel... no strings or springs to wear out and change calibration. Because of the design of the tuning mechanism, it is possible to easily locate stations using the built-in calibrator, and the 0-100 logging scale on the bandspread dial. The bandspread is calibrated for 80-10 meter ham bands.

The HQ-180 has a feature that makes it an ideal receiver for serious DX work... plenty of selectivity positions. It uses the classic crystal filter to give the operator a choice of selectivities of 500 cycles, 1, 2, 3, 4, and 6 Kc widths... using a selectivity switch and a separate switch for upper, lower, and both sidebands. There is a separate slot or notch filter that is quite deep... 60 db. Other controls include... adjustable BFO, a Vernier Tuning control to fine tune the receiver, RF gain control, Antenna trimmer, a switch to select AVC release times... fast, medium, slow, and off... and an adjustable Noise Limiter that works good on CW. There are enough controls to permit the operator to adjust the set for any type of signal conditions. The HQ-180 was not designed to have a bunch of "bells and whistles"... all the controls available are intended for serious use as a communications receiver.

How does it work? I can state flatly that given good signal conditions, and a decent antenna; the HQ-180 receiver can wring out awesome DX... period. It has a sensitivity of 1.5-2 uV across its entire range. However, for higher frequency work above 17-18 Mc, a preselector would help some... there is a slight decrease in sensitivity on high frequencies. I use a Mizuho SX-59 in my shack to help boost signal levels... and I recommend any serious DXer to have one for weak signal work.

There have been claims that the HQ-180 will overload on the MW band when near a strong local station. With careful adjustment of the Antenna Trim control, I find that I have never experienced any overloading. This set has good dynamic range... on SW, it is very good. Dynamic range is important when tuning DX adjacent to strong signals. For instance, RCI (Canada) has used 15.325 for years. I can easily hear UAE Dubai on 15.320 while RCI is on the air... with few problems with sideband splatter, etc. Naturally, it will work in even tighter spots for stations that operate on frequencies that are not standard 5 kc spaced... eg. Radio Reloj Costa Rica on 4832... Venezuela on 4830 is easily heard.

As mentioned earlier, the First Oscillator and Mixer tubes are kept in a constant warmed up status in the HQ-180A. There is a separate filament transformer wired in the circuit that keeps these tubes hot. The older HQ-180 is a stable receiver... after it has had a 30 minute warm up. The newer 180A is generally quite stable after 3 or 4 minutes. Stability on the HQ-180A has always been a concern. It will perform well with SSB signals... however, I do not recommend it if the SWL is going to tune RTTY type signals... it will drift a bit. Otherwise, this set is an excellent performer with normal AM type signals found on SWBC and MW ranges. When the HQ-180 was designed, the Amateur Radio Community was just converting to SSB... AM was still very popular... and this set was designed for AM work with future use with SSB as it became popular.

It is estimated that 10,000 HQ-180 receivers were produced by Hammarlund. A new HQ-180A sold for about \$600 in 1970, and today represents a good value for \$200-250 for a good one. If a Collins receiver is a Mercedes, and a Yaesu is a VW Rabbit... then a HQ-180 must be a Buick or Oldsmobile. It is not the best receiver ever made, but was... and still is a decent receiver for the price asked for it. I have owned several Hammarlund receivers over the years... HQ-100A, SP-600, HQ-145A, and HQ-180... prior to owning the two HQ-180s I own now. With the exception of the HQ-100... which was a bargain priced set... I have never been disappointed with the other Hammarlund receivers.

Possibly there is a reader who is interested in owning a HQ-180 receiver...or any tube communications receiver. There are still a number of tube receivers being sold on the used market. Most are, unfortunately, at least 15 years old. Some may be in excellent condition...others may be quite deplorable. Check out what you buy before you invest your money. At the 1985 Dayton Ham Radio Convention there were very few tube type communications receivers offered for sale. It is believed that as time progresses, what remaining decent quality tube receivers exist will end up in the hands of collectors and probably sell for quite a good price. Tubes are an important investment and can be expensive. These old boat-anchors need good tubes to work properly, and it is advisable to annually check up on the alignment of the circuits before the start of the Fall DX season.

Granted, the ownership of tube gear will involve a bit of time performing tube checks and alignment; but the results in DX are well worth it. If you own one of the newer digital sets; and finances will permit the investment of another receiver...locate a good tube receiver as a back-up, or as a suppliment receiver for serious DX work...you might fall in love with that old set. There is something special about DXing with an old tube receiver.

Well said Steve. Those of us that have a love for tube gear are with you 100%.

Incidentally your humble editor started an enterprise a few years back called the HOLLAND STATE NEWSLETTER. I now serve as its contributing editor writing a column called MEET THE TUBE. It is a newsletter for serious tube radio freaks who seek to improve the care and feeding of fine tube communications receivers and the like. You can find out more by writing:

THE HOLLAND STATE NEWSLETTER  
c/o CHRIS HANSEN  
P. O. BOX 1226  
NEW YORK, NY 10159

Be sure to tell them that SKIP AREY sent you.

Well we ran a bit over this month. As you read this your humble editor is serving his country at Ft. Monmouth NJ, probably listening to his RF-9 when he should be studying his manuals. So it goes. Keep those cards and letters coming folks.

73,  
*Ship*  
WB2GHA

# NASWA Awards Program:

Awards Chairman: John M. Kapinos, 86 S. Quinsigumond Ave., Shrewsbury, MA 01545

Greetings and Welcome to the February 1986 Awards Page. As the first order of business, here are the folks who earned NASWA Awards during the month of December 1985:

Rowland ARCHER, Jr, Raleigh, NC: European Continental DXer, DXer de Pacifica, DX Centurian, All Continent QRP DXer (50KW), South American Continental DXer.

Paul BUER, Miami, FL: Australian DXer

Eric FALKENHAN, Baltimore, MD: Arab World DXer, North American Continental DXPert, Senior British Commonwealth DXer

Ray FORSGREN, Chippewa Falls, WI: DX Centurian, Papua New Guinea DXer

Donald HOSKER, Whitman, MA: European Continental DXer, World Wide DXer

David MOSIER, San Jose, CA: World Wide DXer

Edward SOOMRE, Northborough, MA: Senior Radio Moscow DXer

John R. TOW, Pinson, AL: Asian Continental DXer, African Continental DXer

## \*\*\*\*\*KAP'S KOMMENTS\*\*\*\*\*

Just a reminder that Awards are \$1.00 each in North America; \$2.00 for the first and \$1.50 for each additional ordered at the same time elsewhere. IRC are acceptable at 40¢ each. I'd prefer cash or mint stamps for small orders in the U.S., as the banks impose a handling charge for checks.

Old friend Bill Plum, RDB, Glenn Road, Flemington, NJ 08822 advises that he has Airmail rate mint stamps available for the following South American Countries: Brazil and Venezuela are \$1.00 each, Colombia, Peru and Ecuador are 80¢ each. Bill also asks an SASE for unders under \$5.00. Mint Stamps are a cost effective alternative to IRC and are preferred by many stations, especially those in smaller cities.

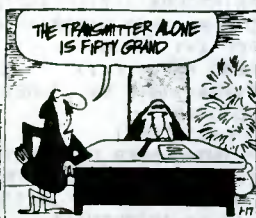
The Ontario DX Association (OXDA) has a fine Awards Program that is available to all, membership in OXDA is not required. \$1.00 to their Awards Chairman, Ori Siegel, 96 Gerrard St. E. #3A2, Toronto, Ontario Canada M5B 1G7 will get you details. They use (with permission) the NASWA Country list so that your record keeping will be minimal

Another nice thing to cross our desk recently is the SPEEDX Guide to Soviet Radio. This 32 page booklet is very valuable in chasing the various Soviet Transmitter sites that are required for our Awards. The cost is \$2.50 in North America, \$3.50 elsewhere and is available from Jack Sanderson, 7738 East Hampton Street, Tucson, AZ 85715. Tell them that Kap sent you.

Until next time,

*for sale*  
*Kap*

WIZARD OF ID





## Computer Corner

Editor: Bill Cole / 107 Charles Street / N. Cape May, NJ 08204

### Radio CF Sort

Over the past few months, I have had several inquiries about adding 'sorts' to programs. The advantage to having the computer sort loggings by country or frequency is obvious.

James Anderson of Athens, Georgia, has submitted 'Radio CF Sort' for the use of Computer Corner readers. This program sorts by country or frequency. It is valuable by itself or could be used as part of another program to add sorting functions. The program will hold up to 300 country names and frequencies in DATA statements. For the sake of space I have only listed a few here. You will note that each DATA statement is constructed: country, frequency, country, frequency, etc. Remember, line 900 must be used exactly as written to end the data file.

```
10 REM FILENAME--- RADIO CF SORT ---
15 PRINTCHR$(147)*"█":POKE646,1:ANS="RADIO CF SORT":GOSUB330
20 ANS="BY":GOSUB330:ANS="JAMES C ANDERSON":GOSUB330
25 PRINT"█ENTER COUNTRY, FREQUENCY (MHZ) IN DATA"
30 PRINT"STATEMENTS STARTING AT LINE 500."
35 PRINT"THE LAST DATA STATEMENT MUST BE AS":PRINT"SHOWN IN LINE 900."
40 PRINT"THE MAXIMUM NUMBER OF ENTRIES IS 300"
45 PRINT"█":ANS=" PRESS SPACEBAR TO CONTINUE":GOSUB330
50 GETA$:IFA$=""THEN50
55 PRINTCHR$(147):PRINT"█" ..... READING DATA .....█"
60 DIM A$(300),F(300):N=0
65 FOR I=1 TO 300
70 READ A$(I),F(I)
75 B$=A$(I):IF B$(<)"LAST" THEN85
80 GOT090
85 N=N+1:NEXT I
90 PRINT"NUMBER OF ENTRIES ="N
95 INPUT"█SORT BY COUNTRY OR FREQUENCY (C/F) ";Q$
100 IF Q$(<)"C" AND Q$(<)"F" THEN95
105 IF Q$="C"THEN115
110 IF Q$="F"THEN120
115 PRINT"█ SORT BY COUNTRY IN PROGRESS":GOTO125
120 PRINT"█ SORT BY FREQUENCY IN PROGRESS"
125 FORI=1 TO N-1:FORJ=1 TO N-1:IFQ$="F" THEN140
130 IFA$(J+1)>=A$(J)THEN150
```



```

135 GOTO145
140 IF F(J+1))=F(J)THEN150
145 X$=A$(J):Y=F(J):A$(J)=A$(J+1):F(J)=F(J+1):A$(J+1)=X$:F(J+1)=Y
150 NEXT J:NEXT I
155 FORI=1 TO N-1:FORK=1 TO N-1
160 IFA$(K+1)=A$(K)THEN170
165 GOTO180
170 IF F(K)<=F(K+1)THEN180
175 B=F(K):F(K)=F(K+1):F(K+1)=B
180 NEXT K:NEXT I
185 CLOSE4:OPEN4,4,0
190 PRINT#4," * * * RADIO SORT BY ";
195 IF Q$="F"THEN205
200 PRINT#4,"COUNTRY * * *":PRINT#4:GOTO210
205 PRINT#4,"FREQUENCY * * *":PRINT#4
210 PRINT#4," J COUNTRY FREQUENCY (MHZ)":PRINT#4
215 FOR J=1 TO N
220 IF J<=9 THEN GOSUB235:GOTO250
225 IF J<=99 THEN GOSUB240:GOTO250
230 IF J)=100 THEN GOSUB245:GOTO250
235 PRINT#4,CHR$(32)CHR$(32):PRINT#4,J,:RETURN
240 PRINT#4,CHR$(32):PRINT#4,J,:RETURN
245 PRINT#4,J,:RETURN
250 IF J)1 THEN260
255 PRINT#4,A$(J):GOSUB285:GOTO320
260 IF A$(J)=A$(J-1) THEN270
265 PRINT#4,A$(J):GOSUB285:GOTO320
270 GOSUB310:GOTO320
275 PRINT#4:CLOSE4:END
280 REM SUBROUTINE TO SPACE AND PRINT F (LINES 285-305)
285 Z$=A$(J):FB=LEN(Z$)+5:NA=30-FB
290 FOR I=1 TO NA:PRINT#4,CHR$(32):NEXT I
295 N=INT(F(J)):AA$=STR$(N):NB=4-LEN(AA$)
300 FOR I=1 TO NB:PRINT#4,CHR$(32):NEXT I
305 PRINT#4,F(J):RETURN
310 PRINT#4,CHR$(32)CHR$(32)CHR$(32)CHR$(34):NA=21
315 GOTO290
320 NEXT J
325 CLOSE 4:END
330 PRINTTAB((40-LEN(AN$))/2)" AN$":RETURN
500 DATA JAPAN,17.755,ARGENTINA,9.69,SWEDEN,11.705,AUSTRALIA,9.610
510 DATA ISRAEL,9.815,CANADA,11.845,ECUADOR,9.745,AUSTRALIA,9.710
520 DATA SPAIN,11.880,SOUTH AFRICA,5.980,USA,9.565,USA,15.365
530 DATA USA,15.120,NEDERLANDS,9.590,DENMARK,15.165,NORWAY,11.870
540 DATA CZECHOSLOVAKIA,7.345,CANADA,14.670,LIBERIA,15.185
550 DATA FINLAND,15.4,SWITZERLAND,11.715,PORTUGAL,11.925
900 DATA LAST,1

```

James C. Anderson  
275 Holcomb Dr.  
Athens, GA 30605

!!!!!!!!!!!!!!!!!!!!!!!!!!!!

## REMARKS

The mailbag at the Computer Corner is looking VERY EMPTY! How about some contributions or suggestions from the membership?

XXXXXXXXXXXXXXXXXXXX

## DX CHECKER

This handy utility will compute the bearing on the great circle between any two points. It will help you orient your directional antenna. The program comes from the ANARC Collection and the author is unknown.

```

10 PRINT CHR$(147);PRINT:PRINT " DIRECT-ENTRY AZIMUTH/DISTANCE CHECKER"
20 PI=3.14159:RAD=57.2958
30 PRINT:PRINT "ENTER YOUR COORDINATES IN DEGREES, MINS"
40 PRINT "USE '-' FOR BOTH DEGREES AND MINS"
42 PRINT "IF SOUTH LATITUDE, EAST LONGITUDE"
50 INPUT "LATITUDE: (E.G. 33,30)";LA,AM
60 INPUT "LONGITUDE: (E.G.116,30)";LO,OM
70 LT=(LA+AM/60)/RAD:LG=(LO+OM/60)/RAD
80 PRINT:PRINT "NOW ENTER THE OTHER LOCATION'S"
85 PRINT "COORDINATES":PRINT
90 INPUT "LATITUDE";L1,M1
100 INPUT "LONGITUDE";L2,M2
110 A1=(L1+M1/60)/RAD:O1=(L2+M2/60)/RAD
120 L=LG-O1:IF L=0 THEN 300
130 IF L>PI THEN L=L-2*PI
140 IF L<-PI THEN L=L+2*PI
150 AA=COS(L)*(COS(A1)/SIN(A1)):AA=ATN(AA)
160 AZ=((COS(L)/SIN(L))*COS(LT+AA))/SIN(AA):AZ=ATN(1/AZ)
170 AZ=AZ*RAD:L=L*RAD
180 IF L>0 AND AZ<0 THEN AZ=AZ+180
190 IF L<0 AND AZ>0 THEN AZ=AZ+180
200 IF L<0 AND AZ<0 THEN AZ=AZ+360
210 AZ=INT(AZ+.5)
220 DX=(SIN(LT)*SIN(A1))+(COS(LT)*COS(A1)*COS(L/RAD))
230 DX=SQR(1-(DX*DX))/DX
240 IF LG=O1 THEN 320
250 DX=ATN(DX)
260 DX=DX*RAD:IF DX<0 AND DX>-90 THEN DX=DX+180
270 DX=DX*69.0468
280 DX=INT(DX+.5)
290 GOTO 340
300 IF LT>A1 THEN AZ=180:GOTO 210
310 IF LT<A1 THEN AZ=0:GOTO 210
320 IF LT>A1 THEN DX=LT-A1:GOTO 260
330 IF LT<A1 THEN DX=A1-LT:GOTO 260
340 PRINT "TO ";L1;" / ";M1;" LAT AND ";L2;" / ";M2;" LONG"
350 PRINT "DISTANCE= ";DX;" STAT. MILES"
360 PRINT "BEAM HEADING= ";AZ;" DEGREES"

```



# Listeners Notebook

GLENN HAUSER, Box 490756, Ft Lauderdale FL 33349

## PROPER CREDIT

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A F G H A N I S T A N Kabul pgm 2 relayed via USSR hrd on new 7285 from 1230 apparently ex-12035; tho R Afgh lacks powerful xmtrs of its own, widely hrd tnx to relays from USSR. At least 6 Soviet xmtrs currently used to relay various bcs from Kabul. Unlike the relays, xmtrs direct from Kabul, 7200v & 6085v suffer from under-mod. Some bcs monitored from Sri Lanka: Pgm 1: HS in Dari & Pashto, 3965 & 4740 via USSR 0125-1930; 7200v direct from Kabul 0125-0229, 0300-1559, 1700-1930--xmsn is interrupted to bc anti-Iranian pgms: R Iran Toilers sponsored by the Tudeh (communist) party of Iran in Farsi, all // 6085v. Pgm 2: in ethnic langs w/ES bcs 0900-1030 in EG, 1230-1430 Urdu: 4450 0125-1930, 6085 0125-0229, 0300-1559 (R Iran Toilers 0230-03 & 16-17), 7235 0125-0430, 7285 1230-1700, 9755 0125-0500, 1230-1700; 15255 0430-1230, 15435 0500-1230. All relayed via USSR exc 6085. 0125-0430 Baluchi & Pashto, 0430-07 relay of HS, 07-09 V of the Homeland "Radio Seda Vatan" in PS & DR to nearly 3 megarefugees in neighbouring Pak & Iran, 1030-1100 Pashai, 1100-1130 in Nuri-stani, 1130-1230 Turkmen, 1230-1300 Uzbek=only on 6085, 1430-1700 V of the Homeland and 1700-1930 relay of HS (Sarath Weerakoon, Nov Dec Union of Asian DXers)

A L B A N I A R Tirana fqs may vary up to 5 kHz. EG: 00-0030 Am 9760 7065. 0130-02 Am 9755 7120. 0230-03 Am 9755 7120. 0330-04 Am 7300 6200 1458[!]. 0430-05 Af 9480 7300. 0630-07 Eu 9500 7080. 07-0730 As/Au 11985 9500. 0930-10 As/Au 11985 9500. 1230-13 Am 11960 9555. 14-1430 As/Au 11985 9500. 1630-17 Eu 9480 7065. 1730-18 Af 15428 11985. 1830-19 Eu 9480 7065. 1930-20 Af 9500 7075. 2030-21 Eu 7065 1395. 22-2230 Eu 9480 7065 1395. Albanian to NAM: 00-01 9790 7300 6200 & 02-03 on same (WBI 2/1)

A R G E N T I N A R Belgrano, 6090, hrd after WYFR s/off 2345 w/many ads, 0000 clear ID & "Belgrano noticias", strong 28/12; no mention of LV de Sur America as reported on SWLD (Ernie Behr, Kenora Ont) That svc apparently tested 24/12 & 25/12 only, per Juan Carlos Codina (gh)

A U S T R A L I A RA, Melbourne reported 14/12 0810: the first Northern Terr SW svc has successfully completed test xmsns using pre-recorded tapes, as bc [pgm feed] lines yet to be installed. Callsign was VL8A, from Alice Springs on 2310 & 4835. These xmtrs'll now close down until after Xmas; hoped to test the other two xmtrs elsewhere in the New Year (WBI 19/12) RA Talkback recently reported regular svc from Alice'd begin 20/2; check 2310 after 0730 (gh)

A U S T R I A ORF on 5992.3 from 2230 w/mx & GM to 2258\* 31/12 only, weak sig w/het & not hrd on other known fqs (Ernie Behr, Kenora Ont)

B A N G L A D E S H R Bangladesh ES: 0630-0830 BG/EG 13615 15625. 1230-13 EG 15525 17653. 1315-1345 NP 9775 7105. 14-1545 UD/HD 9640 11745. 16-18 AR/BG 9945 13670. 1815-1915 EG 6240 7490 (W.B. = probably Wolfgang Büschel, UADX)

B E R L I N W E S T [Re Jan LN] That stn is a continued enigma to me, for, after again several sporadic checks of 6005 kHz between 0700 & 0900 GMT, and detecting nada (except once noted that Canadian stn), on 7/1 at an 0730 tune-in, there it was at +10 dB over S9 and this night noted two "Hier 1st RIAS" IDs (RIAS as in Ree-ahs), and several references to Berlin along with that bouncy IS (it's played on an electric organ, I think). So, it seems it must be RIAS-Berlin. But am I experiencing a fine example of the power of propagation in the dramatic display of a good signal produced and zero signal produced with no betweens, or does RIAS have an irregular transmission now???? Love to have this resolved. (Maxfield Greenwood, Sedgwick ME)

B O L I V I A R Paititf 23/12 on 4682, 0050 onwards, ID at 0055, LAM mx by singing groups (Roland Schulze, FRG) R Reyes, 23/12 on 4420.6, at 0702 u/hvy ute QRM, short break from that at 0710, clear ID (Roland Schulze, FRG) After R Norandina [see PBRU] s/off 4459.7 at 0400, another LAM stn in SP, LAM mx to 0420\*, ID was "Radio emisora --- minutos --- Bolivia---" but couldn't get the stn name. Please help. Is this maybe LV del Trópico? (Roland Schulze, FRG)

La Cruz del Sur w/G sig on 4876 15/1 w/religious pgm 0945 t/in up to ID 1000; and 16/1 \*0930; must use USB to separate from severe het. Suspect it was 10 kW xmtr (Maxfield Greenwood, Sedgwick ME)

B R A Z I L S/on at 1030+ and after Capixaba f/out (which is doing well here) on 4935 is a fair to good sig from a Braz I have never noted before. Its QTH is Manaus, plays fine mx, such as Brazilian cover of "I want my MTV". Could be listed R Independência, but ID to me is a slurring that sounds like Radio en-pah-dah-gee. Noted regularly--may be a welcome new addn to 60m; 30/12.

R Timbira has been doing well w/big sig on 4975 from 0800 and is covering a 2nd, and possibly new Braz here also; I have an "A Voz" ID of it, but until I work on my PT pronunciations I offhand can't ID it. I can say it seems to be on a 0815-0835 grey-line, as it fades up during that period--which puts it extreme easterly to extreme south-easterly, no? (I still need a new SR/SS chart) I have never before noted there being another Braz on 4975 other than Timbira; 16/1 (Maxfield Greenwood, Sedgwick ME) R Iguatemi listed in WRTH 86

C A N A D A Contrary to previous plans, it now seems there will not be a 2-week break in DX news from gh on RCI SWL Digest, but probably a break on the last weekend in Feb & alternate months thereafter and on alternate months when No81 Green has a DX report on the first weekend of the month... (gh)

C H I N A R Beijing Russian svc, all target to Eu [hard to believe, with so much of the USSR in Asia closer to & bordering China]--bcs from some xmtrs may be a few secs out of sync w/others; some may even on occasions carry a completely diff pgm. Two fqs at 0300 play reversed tape: 9335 & 8260. All the rest are forward: 03 15525 15480 15435 15335 15200 15095 11755 11705. 1000 on 9725 7820 7120 6560. 1100 7820 6560. 1300 7820 6560 5850 5145 4885 4815. 1500 on 9965 9915 9475 7820 6555 5840 5145 4885 4815. 1600 on 9965 9765 9290 7820 7700 7375 7035 4885 4815 4200. 1700 on 11610 9965 9290 7820 7700 7470 7420 7375 7035 4200 1521. 1800 on 7700 7420 7375 7035 6695 6260 4200. 1900 on 11615 7420 7315 7035 6815 6430 4200. 2000 on 9670 9550 9340 4200. 2100 on 9600 9550 9340 7895 7700 7675 7420 7385 7360 7035 6770 6340 4200. 2200 & 2300 on 4885 & 4815 (WBI 2/1)

C O L O M B I A R Melodía, Bogotá is back on 6045.6, noted at 0430-0600+ w/Col mx, ID 0504 4/1; but hvy QRM & het from DW; last hrd in 1980 (Ernie Behr, Ont)

R Súper, Medellín, 13/12 first day hrd on 4774.9, 0220-0334; ex-4875 where nothing from them hrd now; clear ID 0322, nx, old records, LAM mx (Roland Schulze, Stuttgart, FRG) What on earth is R Súper doing on 4775 these AMs? Have noted it here between 0700 and at least 0800, 16/1 (Maxfield Greenwood, Sedgwick ME)

C O M O R O I S L A N D S R Comoro, 21/12 1734-1905 on 3330.7, in FR, folk mx, anmts w/eco effects, 23332 (Roland Schulze, FRG) Could you please print?

C U B A R Reloj, Havana reported 30/11 1916: Repairs which will allow resumption of xmsns of the Ciego de Avilá stn R Morón, disrupted since 19/11 by hurricane Kate, are complete. This has been possible due to joint efforts of 6 radio technicians and a Havana tower-workers brigade, both groups from the communications sector. The R Morón mast, which was completely destroyed by the hurricane, was replaced by an old inverted one, used temporarily until the new tower was installed... (WBI 19/12) WRTH 86 list (c) on 1530 kHz

My comments on RHC in Dec LN were not in defense of RHC but a plea for fairness and completeness in reporting what has happened to so much of the good DX-ing in recent years--because govts, incl Cuba, USA, GFR, etc, insist on having their xmtrs on more than one fq in more than one band. This is one thing that contributes to the overcrowding of the bands, which is now being discussed on the DX Party Line over HCJB (Marlin Field, Hillsdale MI, 3/1)

E C U A D O R Reproduced here is a leaflet from the late 1940s, The Romance of

Missionary Broadcasting through "The Voice of the Andes" Quito, Ecuador. A few facts concerning the pioneer missionary broadcaster--from Maury Midlo in New Orleans via Ernie Behr.



## HCJB FOREIGN LANGUAGE PROGRAM

While HCJB is primarily dedicated to Heraldng Christ Jesus' Blessings to its Spanish-speaking listeners, we have also broadcast for our English-speaking audiences in Ecuador and South America and the rest of the world for many years.

Realizing the worldwide reception of our English programs, it was decided to begin broadcasts in other languages as well . . . God has blessed this additional ministry so that fourteen other language groups are now regularly reached by members of our staff, friends assisting us, and by transcriptions.

Please advise your friends who speak or understand these languages that HCJB programs can be heard in any part of the world at the hour indicated:

### BOHEMIAN

Sun. - 12:30 a. m.

### CZECHOSLOVAKIAN

Wed. - 4:30 p. m.

### DUTCH

Sun. - 2:30 p. m.

Wed. - 12:30 a. m.

Fri. - 4:30 p. m.

### FRENCH

Tues., Thurs., Sat. - 4:15 p. m.

Wed. - 4:00 p. m.

Wed. - 12:30 a. m.

### GERMAN

Sun. - 2:45 p. m.

### LATVIAN

Thurs. - 4:30 p. m.

### LITHUANIAN

Sun. - 4:15 a. m.

### PORTUGUESE

Tues. thru Sun  
8:30 a. m. & 6:00 p. m.

### QUECHUA

Sat. - 5:00 p. m.

Sun. - 8:30 a. m.

3:00 p. m.

### RUSSIAN

Sat. - 4:00 & 8:30 p. m.

Sun. - 4:00 p. m.

Fri. - Sat. - 12:30 a. m.

### SPANISH

Tues. thru Sat.

6:30 - 9:00 a. m.

11:30 a. m. - 1:30 p. m.

8:30 - 10:00 p. m.

Sunday

6:30 - 8:30 a. m.

11:30 a. m. - 1:30 p. m.

5:30 - 10:00 p. m.

### SWEDISH

Sun. & Tues.

4:30 p. m.

### URDU

Fri. - 1:00 a. m.

### YIDDISH

Sun. - 3:30 p. m.

HCJB keeps changing its 49-m fq to Eu at 0700; currently 6205 ex-6210; FR to NAM on 15155 is from 0000 to 0030 not 0000-0130 (John Norfolk, Oklahoma City OK)

R Nacional, via HCJB xmtr, asks for reports to Casilla 82, Quito, hrd arnd 2100-2200 on 15370 (C Pepe, Italy, Play-DX 22/12) LV del Upano, Macas, sports 1/12 2350-0252 on 5038.9 (S Nuzzi, Play-DX)

E G Y P T R Cairo on new 9710 in AR 0100-0300+, G since 21/12; ID sounded like "Saut al-Misr"; new stn name or pgm? (Ernie Behr, Kenora Ont, 4/1) That means V of Egypt (gh)

E L S A L V A D O R DPA nx agcy, Hamburg, reported from San Salvador in SP 0001 GMT 10/12 dated 9/12: Last night [8/12] guerrillas of the Clara Elizabeth Ramirez Urban Front of the People's Liberation Forces occupied two San Salvador radio stns in order to release an anmt [accusing] FMLN leaders of betraying the high interests of the revolutionary process and of [aligning] themselves with the reactionary positions of José Napoleón Duarte's govt and the US admn. San Salvador nxpapers said today [19 [[sic]]/12] that the stns

(Eastern Standard Time is 5 hours less than Greenwich Meantime)

## H C J B DATA

### 1. How many stations does H C J B operate?

Five regular broadcast transmitters, operating on various frequencies assigned by the Ecuadorean government. Longwave-308 mts. (974 kc.) with 800 watts-local. Intermediate-49 mts. (5.99 meg.) with 400 watts-provincial.

Shortwave-80 mts. (9.95 meg.) with 1,000 watt-continental.

Shortwave-24 mts. (12.45 meg.) with 10,000 watts-world.

Shortwave-19 mts. (15.1 meg.) with 400 watts-world.

occupied were "1080" [Radio 1080] and "YSKT" [R Cadena Central on 570] on 25th Ave North in San Salvador. Some 5 armed men, who IDed themselves as members of the CERUF, forced stn personnel to play a cassette w/the message (WBI 19/12)

EQUATORIAL GUI-NEA R Nacional, Bata, spl New Year pgm in SP 1/1 0030-0206 on 4925; it wasn't Bolivia; G (Dario Monferini, Italy, Play-DX)

ESTONIA Tent on 6085, but VG chance it is Tallinn, hrd u/the German Rundfunk here & an unID Arabic. Russian lang into break at 1958 then a chime IS of abt 13 notes, then Kremlin chimes of 11 bell tones at 2000 marking it GMT+3. Followed by a well-known Russian piece of mx, then M in RS, but just too much QRM to ID. It is the first time in two years I've noted Kremlin chimes here, and that was during a remarkable few days of G Tallinn prop--and that German stn was absent. All I can say is it's here, but as long as GM is here, a solid & positive reception is unlikely; 30/12. Checked the 5925 listing noted in LN last month and did hear, u/ a stronger Russian FS, 12 Kremlin chimes, the Internationale, and prolonged melody IS, from 2100 to 2104--so fair chance it was Tallinn, and is definitely a better fq than 6085 (Max in Maine)

ETHIOPIA VoRE on 9595 hrd 20/12 from \*1859 w/ IS & "V of Namibia", 1930 "R Freedom" over QRM. On 9600 same day hrd Somali-type chants from \*1800, Koran 1831; assume this was VoRE w/religious pgm for Somalia "R Halgan"; also see unID (Behr)

FRANCE La Lettre de R France, Dec 85, had an article on RFI's 1986 budget and current plans; excerpts follow: 16.9 megafanx devoted to 'extension' measures; 5 Mf

### 2. Where are the studios located?

At Iñaquito (north of Quito) in a new two-story office and studio building near the transmitters. The two studios are regularly busy with programs simultaneously broadcast in different languages on different stations.

### 3. What kind of antennae do you use?

For the 19 and 24 meter transmitters, special directional box antennae that can be rotated; for the 30 and 49 meter transmitters, special directional box antennae.

### 4. What type of transmitters do you use?

All are composite type, built by our own engineering staff of Christian technical men.

## ANSWERING OUR LISTENERS' QUESTIONS

### 1. What is the objective of H C J B?

To preach the Gospel of Jesus Christ by radio to as many listeners as possible in South America and all the world.

### 2. Does H C J B broadcast other than Gospel programs?

Yes, decidedly. Many other interesting types of programs are radioed from the Pioneer Missionary Broadcaster, including NEWS, TYPICAL and CLASSICAL MUSIC, PRO-DEMOCRATIC FEATURES, WOMEN'S and CHILDREN'S PROGRAMS, etc:

### 3. Is H C J B a Commercial Station?

No! We are, however, the Quito outlet for NBC chain broadcasts featuring hemisphere solidarity.

### 4. How many are on the Staff of H C J B?

A score of foreign workers and a score of National helpers, with an equal number of part time and volunteer artist, etc. The actual number varies.

### 5. Who operates Station H C J B?

In 1931 the World Radio Missionary Fellowship Inc., was founded and incorporated under the laws of Ohio, U.S. This nonprofit organization controls H C J B.

### 6. What denomination does H C J B represent?

H C J B is distinctly evangelical in intent and fellowship, interdenominational in character, world wide in scope, represents no particular group or denomination, but rather, all together.

to continue development plan incl 5 new projects: launching two new 30-min pgs in Serbo-Croat and Vietnamese; joining NAM cable nets: 750 kilohomes in Canada & northern USA can now rx French pgs of RFI; hiring on a daily basis the SOME-RA xmtc in Cyprus, to ME in FR & EG 04-0445; increasing bcs to C&Waf; in third quarter of 1986, RFI'll have a further 6 hours of daily bcng time on new eqp being built at Moyabi site in Gabon; installing FM xmtcs in French Guyana[sic] and in large towns in the United States [! while an SWL's dream to be able to hear farn stns w/local FM quality, it's illegal for US bc facilities to be controlled by foreign interests -gh].

The Nov issue of the same publication had an article on RFI audience research: 127 kiloletters rxd in 1984 from 174 countries; analysis of the 13 kletter rxd in May & June 1985 shows Af 52%, NEu 17%, SAm 10%; Moz, Ghana, Nigeria, Zambia alone produced 25% of the mail, sent by a very high proportion of men, 88%, and locals [French: d'étrangers autochtones] (90%, compared w/5% of French non-expatriates, 3% expat French, 2% forners domiciled abroad). 14% said they were radio amateurs. Majority of correspondents whose jobs could be IDed were in education (teachers, pupils, students). 23% asked to be sent pgm skeds, 16% said they received our pgs well, 11% had remarx to make on pgm content. However, mail analysis is not representative and subject to distortions, and should not be extrapolated; unfortunately it is expensive and difficult to carry out proper polls, especially in Africa. Last Oct, RFI organised a meeting w/audience research sections of BBC, SW, R Nederland to coordinate 4-way collaboration.

The possibility of rxing pgs is obviously linked to possessing a rx--the number of people w/rx varies considerably: 90% in Brazil, 69% in main towns of Zaïre; to having a rx w/SW: 87% of rx in Cameroon, 33% in Austria, 10% in Canada. Penetration of TV varies as does comprehension of the langs used. The best recent RFI audience was noted in the large towns of Africa, 46% in Abidjan (Secodip 1985), 31% in Dakar (Secodip 1985); in Niamey a poll of 600 FR-speaking people from Niger showed an audience of 67% (IOP 1985). Amongst the FR speakers of 10 Cameroon towns, RFI has an audience of 41% (Secodip 1985). The change in the average RFI audience in 5 large Af towns (Douala, Abidjan, Dakar, Libreville, Brazzaville) from 1983 to 1985 shows a recovery of .11% (from 14% to 25%). Net had undergone a loss of audience following the appearance in 1981 of a comm'l stn set up in Gabon (Africa No. 1) and received in many neighbouring countries. In FR-speaking Af, RFI is very much ahead of other large non-Af intl stns (BBC, VOA, R Moscow, etc). In Austria, where use of SW is rather limited, and media availability very great, our pgs have an audience of 2% for FR, 1% for GM. In Canada we've reached a figure of 4.1% of the population (41% of those who own a SW rx). Audience in SAm, where wavebands are saturated and where there is an overabundance of FM [what??? sure not much in the WRKVH] we have 0.7% of listeners in Chile (Gallup 1983), Perú (CPIM 1983) and in Argentina (Gallup 1985), 2.1% in Brazil (Gallup 1985), with a specific pgm which only started up in 1982. How many Algerians, Moroccans, Mauritians, Israelis, Venezuelans, Mauritians, Ghanaians and West Indians listen to our diff pgs? We should know in 1986. (WBI 9/1)

RFI introed Serbo-Croat svc 1/1, 1530-1600 on 15155 9805, mx until 1/2, then daily pgm of nx, features, mx. Dec La Lettre de Radio France said since 1/11/85, RFI and Paris Latino, a nx & comm agency have enhanced their telephone nx svc by a new sound svc, daily bulletin in EG devoted to FR & intl nx, prepared by the EG nx svc of RFI; the number is Paris 45 44 45 45; (WBI 9/1)

G H A N A GBC-1 DS multilingual incl EG on 4915: 0526-0905, Sat/Sun 0905-1159, daily 1159-2305. Home nx in EG at 0600-0615 & 2000-2015; Ghana newsreel 2015-2030; Nx review 2245-2300, all daily and // GBC-2. GBC-2, all in EG: 0525-0905 on 3366, Sat/Sun 0905-1152 on 7295, daily 1152-1410 on 7295, 1415-2305 on 3366. Home news at 0600-0615, 2000-2015; Ghana Newsreel 2015-2030; African nx 2100-2110; nx review 2215-2300 (WBI 9/1)

G U A M KTWR, 12/2 first noted on new 7355 in Chinese, addr, ID, IS, 1455\*, SINFO 34443, also hrd following days (Roland Schulze, Stuttgart, GFR, 25/12)

G U A T E M A L A Prensa Libre, Guat City, reported 24/12: the first radio stn ever to operate in Baja Verapaz dept will be dedicated today in Salama, LV del Valle, on 105.3 MHz FM; affiliated to Cadena de Emisoras Unidas, owned by Prensa Libre's Julio César Ishlaj (WBI 2/1)

H A I T I TWR Bonaire reported 10/12 1130: In Haiti, a church-run stn that reported on violence in the country says it'll stop bc'ng local mx; spoxeman for R Lumière said decision was prudent, following shutdown of two Catholic stns. Those were closed after they carried comments critical of police shootings in the town of Gonaïves, where 4 students were killed by police during anti-govt demonstrations. There have also been demos in other Haitian towns. Monitoring 6-11/12 shows RC stn Radio Soleil in Port-au-Prince has not been hrd on 1170 since at least evening of 6/12; local reports indicate it was ordered off the air on or about 6 or 5 /12 along w/associate stn R Ave Maria in Cap-Haïtien (WBI 19/12) TWR-Bonaire reported 31/12 1130 that R Soleil resumed ops 30/12, but w/mx and no nx. The stn had also protested the killings, and urged the govt to declare a natl day of mourning and xmtd criticism from leading Haitian human rights advocates (WBI 9/1)

H U N G A R Y R Budapest in EG to NAM at 0200-0230=exc Mon, 0300-0330 daily on 12000 11910 9835 9520 6110 6025; Wed/Sat DX pgm 0400-0415, and Mon 0400-0430 a slight change to 12000 9835 9585 9520 6110 6025. Other EG: 1030-1100 daily Au 17710 15220 15160 11910 9835. 1150-1220 M-F Eu 17710 15160 11910 9835 9585. Tue/Fri DX pgm 1515-1530 Eu 12000 11910 9835 9585 7225. M-Sat 1530-1600 As on 21665 15220 15160 11910 9835. M-F 1700-1730 Eu 15160 12000 11910 9835 7220. Tue/Fri 1900-1930 Eu 12000 11910 9835 9585 7220. daily 2100-2130 Eu 12000 11910 9835 9585 7220 (WBI 9/1)

I C E L A N D R Rikisutvarpid, first day of reception on new 5057.5 was 15/12 1940-2010\* in USB Icelandic; gong, nx by W 2010; short mx interval s/off, 44333; not hrd on 9957 checked at this time (Roland Schulze, Stuttgart, GFR)

I N D I A AIR, Delhi, reported 19/12 2000: AIR will be able to cover 99% of the population, while TV is to expand net to 80% by end of 7th plan [1990], tnx to allocation of 7 gigarupes allocation each; Minister said priority'd be given to modernisation of xmtrs, studios, eqp in diff stns; number of AIR stns 'll go up to (?203) from the present 88, to cover 99% of population (WBI 2/1)

AIR GOS in EG: 00-0115 As 15110. 10-11 As/Au 17875 17387 15335 15320 15230 11810. 1330-15 As 15335 11810 9545. 18-1845 Af 15280 11845. 1845-1945 Eu/Af 15280 11845 11620 9665 7412. 1945-20 Eu/ME/Af 15280 11865 11845 11620 9755 9665 7412. 20-2045 Eu/ME/Af 11865 11620 9910 9755 9665 7412. 2045-2230 Au 11715 11620 9910 9665 9550 7412. 2245-2400 As 11740 11715 9912 9585 7215 6035 (WBI 9/1) Tibetan: 0215-0230 11895 9545 7195 594; 1230 -1315 9545 7255 6160; 1315-1400 on 1134 (WBI 9/1)

I N D O N E S I A Whenever condx G, trop bands packed w/regionals; Sumatrans hrd better here than central and eastern regions; three prov stns distinctively hrd are: 3460v R Pemerintah Daerah Aceh Timur from Langsa, +1230-1600v\*, G mod compared w/other prov non-RRI stns; relays nx from Jak 1500--the strongest non-RRI hrd in Sri Lanka; 3580v R Pemerintah Daerah Tinkat Dua, Asahah, +1230-1600v\*, not very strong; clear ID ancng 81 mb; mostly lagu-Melayu and Indo pop mx during listener req pgms; doesn't relay Jak nx 1500. On 3820v R Pemerintah Daerah Tinkat Dua - Labuan Batu, strong but overmod sigs +1230-1615v\*; prov nx 1430, Jak nx 1500. Many ments of Labuan Batu, and Bantauprapat during prov nx. Positive ID ancng Gelombang [wavelength] etc, 1615\*v after what sounded like NA of Indonesia (Sarath Weerakoon, Nov-Dec UADX)

I R A N VIRI, Tehran, ancd 16/12 1030: Central News Unit reports that from now on the 1030 nx'll be on 11790 for SEAs; confirmed w/DS in Persian; cf Jan LN--not 9700 but 9770 (WBI 19/12)

I R E L A N D Breffni Community Radio, hrd 15/12 0005-0029, IDs, P-F on 2340.7 (Dario Monferini, Italy, Play-DX)

I S R A E L V of Peace, Tel Aviv, hrd 19/12 0140 on 3060, EG ID, pop mx, G (C Pepe, Italy, Play-DX) So: it wasn't in intl waters; and the fund on 1530?

I V O R Y C O A S T There is a possibility that IC has returned to 60m--at 0631 t/in on 4970 noted FR afro here, two M w/what seemed like nx/comtry, mtn "Côte d'Ivoire" several times, then 0640 typical Waf pop mx format, and by 0700 quite weak but drum IS; sig at start was fair, but up against ute; hoped to con-



firm next night--this was 15/1--but it did not show, so unresolved. Fq on which I have only hrd ER de Cabinda, Angola on occasion. 4940 used to be the IC fq, and was quite good, and then deteriorated to awful & then vanished. It's been well over a year since I've noted IC but wasn't DXing for a sizable period of that time. The fact that it didn't show the next night may mean stn is trying other fqs--hope it re-appears! Benin & Cameroon are possible, but what I hrd in nx/comtry makes me suspect IC. Checked 11920 16/1 to see if there, but that fq also dead (Maxfield Greenwood, Sedgwick ME)

J A M A I C A JBC, Kingston reported 18/12 1100: govt doesn't intend to divest units of the JBC to the highest bidder but to the one who'll be able to demonstrate the ability to operate the facility w/creativity and proper management. PM Edward Seaga 17/12 made this clear at opening debate on the bill to amend the BC Rediffusion Act in the House of Reps. TWR Bonaire reported 19/12 1130: PM Seaga has bowed to public pressure and ancd Jam govt'll no longer retain 25% interest in the country's being facilities (WBI 2/1)

J O R D A N R Jordan AR svc: 0330-0730 11920 9530, 0730-0930 11920, 0930-1400 11920 9530, 1400-1500 11920, 1500-1900 9530, 1900-2330 9530 7155. EG svc 1500-1730 on 9560 (WBI 19/12) MW & FM fqs omitted here

K E N Y A VOK, Nairobi, reported 31/12 0600 it'd open svcs to Wananchi (the public) from 0200 in morns, exc Suns 0230, closing times unchanged; SH & EG svcs had been signing on one hour later than this (WBI 9/1)

K O R E A N O R T H R Pyongyang in EG: 50 mins: 00 Am 15150 13700 11880. 04 15245 15150 13650. 06 As 15305 15150 13650 11830. 07 ME/Af 15345 11930. 08 As 15305 15150 13650 11830. 11 Am 9977 9555. 12 Am 9750. 13 Eu 11655 9350. 14 As 11880 7230. 15 Eu/ME/Af 11930 11655 9520 7205 6165. 17 Eu/ME/Af 11655 9977 9520 7205 7105. 20 Eu/ME/Af 9977 9350 7105 6576. 23 Am 13650 11735 (WBI 2/1)

L A O S A record for the ES of Natl R--first time it's remained on a channel w/out drifting here and there, since May 1984. Hrd on 7113, but of course terribly under-mod. EG listed 01-0130, 06-0630 & 1330-14; latter hrd here w/its rather lacklustre pgming; 1359\* bidding adieu to listeners; of the regionals only Houa Phan hrd 24/11, on 4660v 1200-1430, running an hour later than usual since it was Sunday (Sarath Weerakoon, Sri Lanka, UADX)

L E B A N O N King of Hope, 6280.2, hrd 25/12 from 1500 w/Xmas songs, 1518 EG talks to 1540 f/out. V of Lebanon, 6549, same day from 1500 AR & Xmas mx, 1515 AR nx & mx to 1540 f/out. Both stns have appeared every Xmas since 1983, always at 1500 (Ernie Behr, Kenora Ont)

L I B E R I A ELBC reported 3/1 2100: Pres Doe has forwarded cheque of more than 34 kilo\$ to LBS, representing a 25% salary deduction from employees of the Forestry Development Authority, FDA; part of the natl radio project (WBI 9/1)

L I B Y A Voice of the Greater Arab Homeland, Tripoli ancd 23/12 0400 a new bc from 1/1 1200-1330 on MW and 17895 15235 14415--presumably meant 15415; those fqs normally carry DS from 1100 apx until start of VOGAH at 1745 (WBI 2/1) On 1/1 this was preceded by a yearend review, but then spends 10 mins ancg svc before start of pgms at 1200; gives addr as V of the Revolutionary Committees, P O Box 4677 or 83294, Tripoli, the Jamahiriya; says 17895 for eastern part of the Arab Homeland, 15415 Eu, 15235 southern WAF, 9600 ME. Evening VOGAH svc still starts w/arnts 1745, pgms 1800; at other times these fqs carry DS (WBI 9/1)

M É X I C O La Hora del Observatorio, 9555, noted almost daily since 10/12 at 1300-1430 w/TCs & ads; 1/1 until 1700 f/out. Have not hrd XEQQ since March 85--but an OC w/het is on 9680.5 from 1400 for past 6 months, still there 1/1 (Ernie Behr, Kenora Ont, 4/1)

M O Z A M B I Q U E Em Interprov de Maputo e Gaza, 4924.4 15/12 1755-1830 incl EG nx 1800 // 4734.5, local ID 1814, F (Finn Krone, Denmark, Play-DX)

N I C A R A G U A El Nuevo Diario, Managua, 24/12 carried a communiqué from

Telcor to all radio & TV stn operators, hams, etc., requesting tech info, how to reach person in charge, in preparation of a plan for radio silence, due in by 30/1 on a compulsory basis; to be put into effect in the event of emergency situations (WBI 2/1) V of Nic, Managua, 1/1 2321 reported that the Media Directorate of the Info Ministry had closed R Católica for not joining a nationwide net 31/12 & 1/1 to carry a msg by Compañero Presidente Daniel Ortega Saverde, in direct violation of laws (WBI 9/1) Other press reports give the stn's response--it was all a technical mistake; none mention the fq: 720 (gh)

N I G E R I A VON, Lagos, 7255, in EG 0543 nx, political reports, local mx, ID as Waf svc on 4lmb; SINPO 33333; also 14/12 0837 mx, wx, 23332 (Roland Schulze, Stuttgart, FRG, 15/12)

P A K I S T A N PBC, R Pakistan ES & WS D85, complete: 0045-0230 WS SEAs API1 11965. 01-0215 Hindi APK-2 6130 & APK3 7315. 01-0245 Bangla API3-11995, API4-15580. 0230-0245 Slow nx SEAs APK3-7315, API1-11965, APK2-15115. 03-0345 Swahili E&SAf APK2-15175 APK3-17750. 0330-0415 Irani API6-9805 API1-12005. 0400-0500 Gujrati to E&SAf APK2-15175 APK3-17750. 0430-0645 WS Gulf/ME API1-12005 API6-15605 API5-17660. 0515-0615 AR Gulf/ME/NAF API4-15565 API3-17750. 0700-0745 Turki svc to Afghanistan API3-6175 API4-7375. 0715-1100 WS to UK/WEU API6 15605 API5-17660. 0900-0945 Tamil SIndia/SL APK3-11960 APK2-15450. 1015-1100 Indonesian APK2-15450 APK3-17640 API1-17820. 1100-1115 Slow nx WEU/UK API6-15605 API5-17660. 1115-1215 Burmese APK2-15450 APK3-17640 API1-17820. 1215-1315 AR Gulf/ME/NAF API6-15595 API5-17660. 1230-1445 Bangla API4-9695 API3-11995. 1330-1600 WS Gulf/ME/NAF APK2-7365 APK3-9885 API5-11675 API6-15595. 1600-1615 Slow nx Gulf/ME/NAf on same plus to Af on API3-12005 API4-15515. 16-18 Dari Afgh API2-5105. 1630-1730 Turkish APK3-7365 APK2-9860 API1-11675. 17-1745 Irani API3-6070 API4-7315. 1645-1900 WS UK/WEU API6-9465 API5-11810 [other reports indicate this changed to 11635]. 1800-1900 Islamabad pgm for Gulf/ME/NAf on API3-7365. 1915-2015 French Eu/NWaf API6-9465, API5-11790 (Nov-Dec UADX) Xmr designations: K=Karachi, I=Islamabad, presumably (gh)

Islamabad HS: 0700-0703 & 0830-1000 on 9545, 13-16 on 4780 on API1 100 kW. 0045-0415 on 5095, 06-0815 & 0830-12 on 7290, 1215-1345 on 6130, 14-16(+ Dari to 18) on 5105 API2 100 kW; 10-12 on 6090 API3 100 kW. 0045-0230 & 0250-0325 on 5905, 0350-04 on 7290, 06-0603, 07-0703, 0730-0733, 08-0815 all on 9645; 10-1010 & 1215-1230 on 11815, 1435-1455 & 15-16 on 7090, all API7 10 kW. Balti & Sheena svc: Balti 03-04 on 6065, Sheena 0430-0530 6130, 0945-12 on 7150, all via 100 kW xmtrs (Sked via No#1 Green, Dec DSWCI SW News)

P A P U A N E W G U I N E A Xmr formerly used on 3925 destroyed by vandalism, I'm reliably informed, and not likely to be repaired (Green, Dec DSWCI SWN)

P E R U unID stn on 5979 hrd from 0250 w/LAM songs, 2/1, weak & RSA-QRM; "R Programas" rptd on SWID 21/12 is a network name (Ernie Behr, Kenora Ont) Yet, several further reports of this have no other ID; so is CARACOL, the only ID on some Colombian outlets. Perhaps really R Panamericana, listed on 5980 in WRTH 86 (gh)

Between 21/12 and 24/12 was tracking a weak sig on 4950 at 1045 peaking on 24/12, got a positive ID of "Esta es Radio Ucayali, Loreto". Mx was what I'd call campesino, or like it. Stn was very sensitive to peaking condx, going from inaudible to audible to inaudible all between 1035 & 1055. 25/12, continuing to track this stn, found Madre de Dios here, w/strong & G sig. OC from it at 1015-1035, when Peruvian anthem commenced, then M ID and Xmas mx from Spain. And Madre de Dios continues here, thoroughly burying Ucayali, but there is not a het as MdD is no longer on 4951 but on 4950. R San Juan de Chota F-G on 5274 at 2330+, fine huayno, M sporadically breaking into ID 30/12. Tnx to Jerry Berg tip in LR-B, been noting R San Miguel on 4966, but due to recent presence of R Alvorada on 4965, haven't been able to separate until arnd 1030 using USB. Quite pretty, mellow huayños w/M talking over. Ondas de[1] Titicaca on 4921 has been showing often on good AMs to about 1040; again must use USB. Also hearing from 1030 f/in or s/on on 4895 (list 4896v) at 2+ levels, R Chinchamayo. W/huaynos, M, ID, TCs etc. My 82 WRTH spells this as Chanchamayo but I hear it as Chin--noted best on 29/12 w/unID stn under (Maxfield Greenwood, Maine)

R San Juan de Chota, 23/12 0030 on 5224.4, anmts, ID, carrier break, LAM mx. R Norandina, 4459.7, 23/12 0308 to 0400\* w/out NA, clear ID, romantic mx. There

was another stn in the background...[see BOLIVIA] (Roland Schulze, Stuttgart)

R Cora is active now on tropical band as OAZ4N, 3270, 10 kW. Currently \*09 to 21\* UTC; bcs nx morning and mx all day. Don't confuse w/R Victoria, which is now inactive, but in the mornings it's linked w/R Cora for nx (Mery Blas, Lima, Dec, via Play-DX 22/12)

PHILIPPINES HS of state-run Maharlika BCing System, MBS, is faintly hrd on nom 6170 at 1130-1300 w/mx, nx, features. Judging from its feeble sigs, power is very much less than listed 10 kW; my guess, not more than 100 watts [Gerry Bishop at Clark AB would dispute this, as it blots out neighboring stns there -gh]. Xmtx also tends to roam about making it a real DX catch. Geoff Cosier via WDXC Contact says he hrd MBS on 6285 10/10 arnd 1100 drifted from 6170 w/very bad overmod. No sign of low-powered trop-band channel 3286 or overseas svc of MBS known as R Pilipinas on 9580; wonder if both still on the air [Yes, as reported by Bishop and others; see DXLD] Maharlika is the new name suggested by Pres Marcos for the Philippines. This was because the term Filipino has a colonial meaning - originating from King Philip (or Felipe) of Spain. Idea behind Marcos' suggestion of this indigenous name was to bring all the people living in the 7 kilislands together, irrespective of their creed or religion and also to woo the Moros of the southern island of Mindanao who are currently engaged in a bloody separatist war. To Moros the name of Filipino stinx! (Sarath Weerakoon, Sri Lanka, Nov-Dec UADX)

POLAND R Polonia, EG to NAM: 02-03 & 03-0355 on 15120 11815 9525 7270 7145 6135 6095. Polish pgm for seamen incl to NAM 04-0555 on 15120 11815 9525 7145 6095. PL to Am [BBCMS makes no distinction between NAM, CAM, SAM] 1130-1225 on 17865 11840 9525. Esperanto to Eu: 0530-06 7270 6135 5995 1503. 1100-1125 9525 7145. 1530-1555 9675 7285. 1630-1655 7285 6095. 1930-20 7270 6135 5995 1503. 2130-2155 7285 6095 5995 1503 (WBI 19/12)

Aleksandr Perczynski, Dir-Gen of R&TV Committee, resigned his position following flaws--poor sound quality--in xmsn of the New Year speech by Gen Jaruzelski (WBI 9/1)

PORTUGAL (?) IBRA Radio on new 9655 from \*1800 in RS, UK & other Slav langs, plus TK to 2059\*, since 20/12; via Sines? (Ernie Behr, Kenora Ont)

PUERTO RICO Prensa Latina, Havana, reported 2/12: IAm & Carib intellexuals today rejected US govt's planned installation of relay stns for VOA in PR. Resolution signed by participants of 2nd meeting of Intellexuals for the Sovereignty of Our America condemned US plans to beam from PR a spl pgm to IAm, Carib. Document charged new installations'll be erected in populated areas of island "implying a danger of electromagnetic contamination". Artists, writers, scientists agreed on describing VOA "as the propaganda branch of US imperialism to misinform and culturally penetrate all the nations of our America". Also voiced their solidarity w/demand for indep made by PR, currently subjugated by the US (WBI 19/12) ...

ROMANIA R Bucharest in EG: 02-03 Am 11940 11810 9570 9510 6155 5990. 04-0430 Am same. 0530-06 Af 11940 11840. 0645-0715 Au 21665 17790 15335 15250 11940. 1045-11 exc Sun Eu 15250 11940 9690. 12-1230 As 17720 15380 11740. 13-1330 Eu 15250 11940 9690 [also can be well hrd in NAM]. 15-1530 As 11940 11775 9690 9510 7195. 1730-18 Af 9570 7165 7135. 1930-2030 Eu 9690 7195 7135 5990. 21-2130 Eu 7195 7145 6055 5990. Romanian to Am: 23-24 11940 11810 9570 9510 6155 5990; 0130-02 same. Sunday 0915-1010 for seamen 11940 11775 9665 9590 9570. Also for Romanian seamen in ME/NAf area Sun 0715-0810 & 0815-0910 on 17790 15335. RM to Eu 20-2030 on 11810 9510; there are no other ES in RM to other parts of the world (gh, from WBI 2/1)

SAUDI ARABIA BSKSA Riyadh on 9655 at 1450-1655\*v w/R Islamic pgm "Idha-t'il Del Islam" or similar 25/12; is not Oman as I reptd in Jan IN, tho Oman was here some time ago, which proves that one must ID AR stns daily to be sure; Abu Dhabi & Dubai made a similar switch suddenly on 9595. BSKSA on 9707 hrd again 16/12 only, in FR 1400-1507\* abrupt s/off, /#739.5 which continued past 1600 in EG; 9707 vy irreg & not hrd since (Ernie Behr, Kenora Ont, 4/1)

SOUTH AFRICA SABC TV-1, Jo'burg reported 30/12 1700: SABC radio has a completely new sound from 1/1, w/intro of reorganised SABC svcs, incl a number of new regional svcs, w/two main stns in EG & AK. R South Africa and R Suid Afrika'll incorporate a number of existing pgms from Springbok R which closes down 31/12. SABC Dir-Gen Mr Riaan Eksteen says 5 new stns from 1/1: R Jacaranda in Pretoria, R Oranje in Bloemfontein offshoots of R Highveld. R Algoa in Port Elizabeth to the eastern Cape, formerly responsibility of R Good Hope; culminates months of planning; six regionals'll strive for greater involvement in respective communities, implies a shedding of background mx stn image. R Allegro, classical mx svc'll start at 9:30 each evening; rationalising partly due to impact of TV on radio listening habits (WBI 9/1)

SPAIN Beware of a dangerous spur from R Exterior in SP on 4996, hrd 22/12 2308, F (Giuseppe Zella, Italy, Play-DX) I.e., not Perú, Ecuador

SRI LANKA VOA Colombo, 11710, rxd QSL card personally from VOA Audience Relations office director, in 46 days, plus skeds, photos, badge, Voice magazine; v/g Kim Andrew Elliott; sent to VOA Audience Relations Office, Washington DC 20547 (Dario Monferini, Italy, Play-DX 15/12) Repro of card confirms site, date, time, fq (Play-DX 29/12)

SYRIA Damascus on new 9630 in TK \*1300-1400\*v; on 9635 at 1907 FR, 2007 EG to 2103\*v; on 9950 had spl Xmas pgm in EG 2100-2203\* 25/12 only; on 9950 daily SP&PT to 2400\* (Ernie Behr, Kenora Ont)

TAIWAN V of Free China, in EG direct: 02-03 As 7285. 02-04 As/Au/Am on 11825 11745 9765 9685. 06-07 As 7285. 1030-1040 As 5980 612. 11-12 As 7285 5980 612. 1530-1630 As 7285 5980 612. 2057-2157 Eu/ME/Au 15370 11860 9765 9510. 2200-2300 Eu/ME/Au 15370 9955; no details of WYFR relays (WBI 19/12)

TANZANIA RT still on 9684 in EG to 1915\*, 31/12, tho not mentd by BBCMS (Ernie Behr, Kenora Ont) R Tanzania ES in EG, incl cland pgms w/some segments in Namibian and S African langs: 0330-0430 6105 5985; 09-1030 9685; 1030-1530 9685 Sat/Sun; 1530-1915 15435 9750=Sat/Sun 6105; all on 1035 too. Pgms incl:

Sun 0415-0430 V of Namibia (SWAPO); M/W/F 0415-0430 Pan Africanist Congress (PAC) of South Africa; T/T/Sat 0415-0430 ANC pgm R Freedom. 0930-0945 Mon & Sat The UN This Week, Tue 0930-0945 Perspective, Wed/Thu 0930-0945 Scope, Fri 0930-0945 Freedom Magazine [I think all these are UN Radio pgms]. Sat 12-1215 Ujamaa--the rational choice; Sat 1430-1445 The Week in Africa. Fri 1615-1630 Perspective, Wed 17-1715 Freedom Magazine, Sun/Mon 17-1730 R Magazine; Fri/Sat 17-1730 Spotlight on Tanzania; Wed 17u15-1730 Umajaa--the rational choice. M/W/F 1815-1830 Radio Freedom (ANC); Tue/Thu 1815-1830 PAC pgm; Sat 1815-1845 V of Namibia (SWAPO), M-F 1830-1900 same; Sat 1845-1900 PAC pgm. News daily 0400, 1000, 1300=Sat/Sun, 1530, 1800, 1900 (WBI 19/12)

R Tanzania natl svc in Swahili: 03-0530 5050 4785, 0530-1300 9685 7165 6105. 13-1515 9685 7165. 1515-2100 4785; + MW. R Tanzania commercial svc in SH, 13-2015 on 5050, M-F also on 9750. V of Tanzania, Zanzibar, in SH, 03-05 3339, 09-11 6005, 1430-20 3339 (WBI 2/1)

TIBET That fq? Fq, who needs fqs? (Hi) The fq to my Jan LN item is 4750. Its rapid 1110 f/in  $\pm$  5 mins followed by a rapid 1145  $\pm$  5 min f/out along with two mentions of Lhasa at 1130 during a rare QRM-free AM recently makes this almost surely Lhasa Chinese svc. Just wish the ID wasn't so 'in passing' and it had 'ding-dongs' & Tibetan drums & a chorus chanting "L-H-A-S-A Lhasa Lhasa Lhasa" to make it simple. Format really useless unless one understands Chinese --just M & W on and on (Maxfield Greenwood, Sedgwick ME)

UAE UAE R Dubai on 7195 in AR from 1400, vy strong 25/12, also on // 9595 from \*1425 or \*1500v; 2 new 500 kw xmtrs? (Ernie Behr, Kenora Ont)

UNITED NATIONS Financially troubled UN has suspended weekly SW bcs after a six-fold increase in fees VOA charges to rent xmtrs. UN spoxeman Joe Sills says cash flow difficulties, blamed on sluggish and partial payments of membership assessments, principally by its biggest contributor--the US (AP via Daily Oklahoman 10/1, via John Norfolk, OKC) They've still got Tanzania...

U S A KCBI has added a repeat airing of WORLD OF RADIO which should be at a more convenient time for many--Sun 1830 on 11905; but you can still hear it first Fri 2100 on 11790. Also on WRNO, UTC Sat 0400 6185, UTC Sun 0030 on 7355, 1400 on 9715. KCBI's own 5-min DX pgm The Radio Connexion now sked M-F 1903 & 2000 on 11790; Sat 1800 on 11905; Sun 1825 on 11905, 1903 on 11790  
AFRTS hrd on new 9600 at 1917 w/Paul Harvey, 18/12 only // 9700 (Behr)(gh)/KVOH, Rancho Simi CA, tent test sked from religious stn: 14-16 9525, 16-22 17775, 22-24 15120, 00-03 6005, 03-06 9852.5, 06-08 6005; pgms directed to Asia (R Fraser, USA, via Play-DX 6/1) May actually get going by March (gh)  
VOA--Europe svc, which started in Oct 1985 and is fed from Washington via satellite for use of cable nets and private radio stns in WEu, now being bc from VOA's own 300 kW MW xmtr on 1197 in Munich; since 6/1 this has replaced conventional VOA English svc which was on fq several hours a day; but 1197 still carries as previous sked, VOA pgms in various EEU langs (WBI 9/1)

U S S R R Moscow bc in Afrikaans: monitoring 20/12 & 27/12 shows opening pwv of items in EG to Af at 1700 20/12 said the one-hour xmsn'd end w/a RM spl pgm in Afrikaans; 12-min segment of nx, features was at 1743; BBCMS records, going back to 1940, do not show any previous bcs by RM in AK. Same xmsn 27/12 also contained AK at 1740-1752 (WBI 2/1) 27/12 bc said this would occur every Friday and another AK was hrd 3/1 1743. Apart from EG, RM has been bc'ing to SAF in Zulu since Apr 1964; currently this is daily 18-1830; in addn to Shona to Zimbabwe, RM also bcs in Ndebele, spoken by people in northern SA; these svcs started Mar 1968 (WBI 9/1)

R Tashkent, Uzbekistan, in EG to As: 12-1230 9600 9540 5985 5945; 1330-14 on same. Other ES are in Uighur, Uzbek, Persian, Urdu, Hindi, Arabic (WBI 19/12)

R Baku, Azerbaijan, all ES on 6135 6110 to ME: 0330-0415 & 11-1145 Persian, 12-13 TK, 13-14 Azeri, 14-15 Persian, 15-16 TK, 16-17 AR (WBI 19/12)

R Yerevan, Armenia, complete ES on SW: 0330-0355 AM NAM & 0355-04 EG on 11860 11790 9765 7205 7165. 06-07 Sun AM ME unconfirmed. Sun 08-0855 AM & 0855-09 FR Eu 15510 15485 15305. On 4990: to ME: 13-14 AZ, 14-15 Kurdish, 1530-1630 AM, 1630-17 mx, 17-1730 AR, 1730-18 KD, 18-1830 AM, 1830-19 AR, 19-21 AM. Eu AM 2130-22 11805 9670. IAm 2230-2320 AM, 2320-2330 SP 9480 9470 (WBI 19/12) R Yerevan on new 9600 from \*2130 AM, 2152 FR, 2159\* 24/12 (Behr)

R Kiev, Ukraine hrd in EG to 1930\* 28/12 on 6090 over Luxembourg, giving sked as 19-1930 on 6010 6090 6165 7230; 0030-01 on 7165 7305 9765 11790 11860 and one other fq I couldn't copy (Maxfield Greenwood, Sedgwick ME) v ESTONIA

Y U G O S L A V I A R Belgrade reported in SC 25/12 1400 that the RB pgm council is concerned about stn audibility, in particular reports that pgms are jammed by Albania (WBI 9/1)

Z I M B A B W E ZBC plans worldwide ES: AFP Paris reported 3/1 0901 from Harare: Zimb plans to launch worldwide bc'ing svc during the country's chairmanship of the nonaligned mvmt, which it takes up for 3 yrs in Sept, ZIANA said today. Agcy said ZBC planned to beam 3-4 h a day to FE, Af, Eu, Carib, SAm. ZBC Dir of Engr, David Woodward, said updated proposals for 16 megaZim\$ (9.5 megaUS\$) plan, first drafted two yrs ago, 'd be presented to MinPostTelecomms here next week. Mr Woodward said ZBC knew what was required in terms of studios, personnel and xmtrs and'd already applied to the UN controlling agency, the IFRB for a fq allocation (WBI 9/1)

**CLANDESTINE CRANNY** Voz da Resistência do Galo Negro (Voice of the Resistance of the Black Cockerel) hrd in vern 1810, PT ID at 1840\*, on 4973, F-P, xmtr in Angola? (Finn Krone, Denmark, Play-DX 6/1)

V of the Libyan People Monitoring 4/1 shows that AR-lang stn, describing itself as voice of the Natl Front for the Salvation of Libya, continues on 11975 but now one hour later by GMT, at 1900 & 0500; hostile to Qadhafi of Libya and believed to be from xmtr in Iraq (WCI 9/1)

V of the Fada'i Monitoring 24-31/12 shows this stn, describing itself as mouth-piece of the Org of Guerillas devoted to the Iranian People (Sazman-e Cherkha-ye Khalq-e Iran) continues daily 45 mins at 1700, hrd on 4680 & 3935 apx in '65

& 75 mb". 3935 is USB; repeat ancd for 0900; starts xman by playing "Internationale" (WBI 9/1)

V of the Liberation of Iran Ancd 1/1 1630 skd of 1630-1830, repeated 0330-0530 but for better reception on new 7080, plus // 9027. 7080 confirmed 3/1; stn is also sometimes reported as Radio Nejat-e Iran; ancd 24/12 it was looking for a replacement to 15555; is hostile to Khomeyni and the Iranian govt and is pro-monarchist in outlook; thought to be in Egypt (WBI 9/1) VOLI G at 0430-0520 on 15555, spoken items by M & W lasting about 10 mins, mx in between. Audio quality is good. Hear EG ID daily arnd 0450; closes down w/addr in London, I think. Anyone know where to send reports? (Jack Searle, Dec NZ DX Times)

V of Unity, 3945, sent QSL card after 9 months, no IRC. Card shows map of Afgh w/inscriptions, VOUMMA acronym, and addr in EG: Voice of Unity, Radio Muslim Mujahideen of Afghanistan, P O Box 284, Vienna 1061, Austria (Finn Krone, Glos-trup, Denmark, Play-DX 6/1)

Spy Numbers On 9578 hrd 5-digit #s by W from 2215 24/12 only; QRM & too weak to ID lang, but possibly GM. RNMN 2/1 mentd more #s stns are moving in-band, incl one on 6135 in Polish; was asking for more reports on these (Ernie Behr, Kenora Ont) Thought the implication of 6135 was that R Polonia slipped up & put on spy xmsns on one of their well-known fqs (gh)

NORTH AMERICAN PIRATE V of Laryngitis: 1/12 2115-2135 on 7435, SIO 433. Hosts Genghis Huxley and Cowboy Stan had a talk show w/Pres Barney (really dubbed answers from old RR's movies). IDed as "the VOL the best damned radio stn you'll ever hear and Cowby Stan is the best damned ancr you'll ever hear," also usual rock songs and a barking seal at s/off (Grant Lochmiller, IA)

**UNIDENTIFIED** 9600 Stn in AR from \*1900 w/revol harangue & mx to 2000, when Beijing opened in CH, 24/12; sounded similar to SPIA. 9555 Stn in AR from 1400 w/nx & mx to 1600\*, often since 17/12; ID "Jumhuriya el-Arabiya..." QRM RCI after 1430 (Ernie Behr, Kenora Ont) 2347 unID in German, Notturmo ZDF, 14/12 0120-0130, not to be confused with Breffni Community Radio, Ireland qv, on 2340.7; G-VG (Dario Monferini, PlayDX)

**PUBLICATIONS** REVIEW OF INTERNATIONAL BROADCASTING #106 includes: The most popular SW programs, from the 1985 RIB survey; Via FBIS--Robert Horvitz extracts items concerning bcng from CIA reports about France, India, Iran, Lebanon, Namibia, South Africa. Satellite Watch, by Loren Cox--what's to be hrd and seen off the birds, discussion of scrambling, etc. Main section is LISTENER INSIGHTS ON PROGRAMMING, country-by-country pgm reviews and previews, press reports, items from stns, such as: full sked by time of R Australia in EG; article about the Royal Canadian Air Farce; changes at CBC; R Beijing features thru Feb; pirate radio in Ireland; first-hand report from an American who worked at Voice of Nicaragua; much more from both sides in Nicaragua; BBC WS pgms thru Feb; press reports about KVOH, KCBI; Soviet color TV in Vietnam, and a great deal more. Domestic Info & Associated Listening (DIAL), edited by Kraig W Krist, on CBC, WSUI, KMOX, oldies shows, Caribbean Beacon, Calgary. Radio Equipment Forum, edited by Loren Cox, a modification w/schematic for improving ICR70 audio; looks back at the S-108, S85, S40, HQ150 etc. Broadcasts in English update. Samples are \$1.50 in Nam, 6 IRCs elsewhere; subs \$18 in Nam, \$22/\$24/\$26 overseas airmail, US\$ on US bank w/standard US magnetic banking code imprints, or postal money order US\$, to Glenn Hauser, Box 490756, Ft Lauderdale FL 33349.

DX LISTENING DIGEST #3 is now available in limited supply if you hurry; #1 & #2 already out of print. #3 has country-by-country DX listings similar to LN, w/ cross reference of some 700 fqs mentd; almost a page of intriguing unIDs. Mostly but not limited to SWBC--also LW, MW, ham, ute, satellite, TV. Half the issue is ENJOYING RADIO, edited by David Newkirk, technical/philosophical forum including mods to ICR70, ICR71A RIT; the new NRD-525; reviews of the FRG-7; how alphanumeric displays are multiplexed; pilot lamp burnouts; recalibrating the 51-J3; Periodical of the Radio of China; driver for 100 W radiotelegraph xmtr; essay on Outspokenness. Samples \$1.50 or 6 IRCs; subs exactly \$1 less than RIB in all cases, same remittance requirements and address as above (gh)



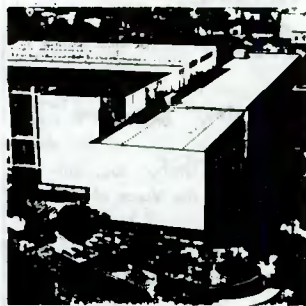
# QSLs

Sam Barto, NASWA QSL Editor  
47 Prospect Place, Bristol, CT 06010

- ALASKA:** KNLS 6145 f/d "Transmitter Site" cd. in 9 ds. w/ ltr. and sked. (Hastie-TX).
- ANGOLA:** Radio Nacional de Angola 9535 p/d cd. in 40 ds. via \* registered mail for an EG rpt. and 2 IRCs. v/s Luzia Fancony. (Klein-WI).
- ANTIGUA:** Deutsche Welle 6040 n/d "Broadcasting Centre" cd. in 28 ds. (Harms-MD).
- ARGENTINA:** RAE 11710 f/d cd. w/ pennant in 75 ds. for an EG rpt.
- ASIATIC RUSSIA:** Radio Moscow 4825 via Vladivostok f/d "Lenin Library" cd. in 33 ds. (Paszkievicz-WI). 12050 via Khabarovsk f/d "Moscow Rowing Canal" in 1 mo. for ms. (Sgrulletta-NY).
- AUSTRALIA:** VLW15 15425 f/d "Logo" cd. in 153 ds. for 2 IRCs. (Cones-VA). Radio Australia 15395 via Carnarvon f/d "Tasmania" cd. in 44 ds. (Mosier-CA). 9655 via Shepparton f/d cd. w/ decal in 22 ds. (McDaniel).
- AUSTRIA:** Radio Austria International (ORF) 6000 f/d "Salzburg" cd. w/ sticker in 54 ds. (Mosier). same in 1 1/2 mo. (France). f/d "Gail Valley" cd. in 7 wks. (Bowden-CA). f/d "Tyrol" cd. in 5 wks. (Bowden). 9635 f/d cd. in 2 mo. (Bowden). cd. in 2 mo. (Paszkievicz).
- BELGIUM:** BRT 9880 f/d "Koninklijk Museum" cd. in 1 mo. (Bowden). f/d "Kortrijk" cd. in 5 wks. (Bowden).
- BELIZE:** Radio Belize 3285 f/d "Map" cd. in 18 ds. for 2 IRCs. v/s Esmel Anderson. Mr. Anderson states that since \* 9/1/85 station name has been changed to "Belize Radio One, The Caribbean Beat in the Heart of Central America." (Klein-WI).
- BONAIRE:** Trans World Radio 9535 f/d cd. in 23 ds. (McDaniel). 6020 and 9895 "Flevo" cd. in 45 ds. for 2 IRCs. (Kusalik-ALB).
- BRASIL:** Radio Bras 11745 f/d "Elevador Lecorda in Bahia" cd. in 1 mo. (Bowden). same cd. in 32 ds. for 1 IRC. v/s Claudia Carneiu. (Mosier). f/d cd. in 27 ds. (McDaniel). f/d "Iguazu Falls" cd. in 35 ds. for 2 IRCs. (Weiss-OH). Radio Poti 4965 n/d cd. in 36 ds. for a PT rpt. and 2 IRCs. v/s Maria Luiza Marques da Luz. (Paszkievicz). 4964.9 n/d cd. in 1 mo. for a PT rpt. and 2 IRCs. (Palmerheim-MN). Radio Nacional Manaus 4845 f/d "Manaus at Night" cd. in 3 wks. for 1 IRC. v/s Eudson Montetro Lima, Secretary. (Palmerheim).
- CANADA:** CKZU 6160 p/d cd. in 21 ds. (McDaniel).
- CELEBES:** RRI Ternate 3345 f/d ltr. in 40 ds. v/s Rusdy Bachmid. (Bishop-PHIL).
- CENTRAL AFRICAN REPUBLIC:** RDTV Centrafricaine 5035 p/d "Map-Logo" cd. in 49 ds. for a FR rpt. and \$1.00. v/s Michel Bata. (Forsgren-WI).
- CHILE:** Radio Nacional f/d numbered cd. in 17 ds. (on 7th f/up rpt) for an EG/SP rpt. Sticker rcvd. (Weber-OH). 15140 f/d cd. in 16 ds. for \$1.00 v/s Carlos Toledo Verdugo. (Rigas-IL).
- CHINA, PEOPLES REPUBLIC OF:** Radio Beijing 15520 f/d cd. in 82 ds. (McDaniel). f/d "Turtle and Figurines Sculpture" cd. in 75 ds. (Mosier). 9820 f/d cd. in 30 ds.. Tiger papercuts rcvd. (France). 11650 f/d "Panda Bear" cd. in 35 ds. (Harms).
- \* Xinjiang PBS 5800 f/d "Bronze bo-vessel" cd. in CH direct from station in 40 ds. Many \* local postcards were rcvd. (Harms). BPM 10000 p/d ltr. in 24 ds. for an EG rpt. v/s Yang Huai-xu. (George-NC).

Atsumos recibos de su atento telegrama de la direccion de nuestro editor en NY  
 Page 31-11-10-10 en la frecuencia de 4900 kHz el dia 3 de 11 de 1985 en su programación en el dia de 1:05 hasta 8:18 hora de America  
 Verificamos nuestros libros de control su info  
 TANGENT  
 Dime las nuevas mas de esas gracias por la visita informacion  
 Buena noche Venezuela de el 12 de 1985  
 RADIO APARECIDA  
 Rua de Santa Cruz, 100 - Vila Rica - RJ - 21.240-000  
 Telefone: (21) 251-1111 - Telefax: (21) 251-1111  
 Telex: (21) 251-1111 - C.O.C. 000000  
 Teletipo: (21) 251-1111 - C.O.C. 000000

CHIRINDS RIGAS  
 IN  
 4832 N DEKAY BLVD - 60 - ELI 60625  
 U.S.A.  
 U.S.S.R.  
 AIRMAIL  
 1985



FUNDAÇÃO N. SRA. APARECIDA  
**RÁDIO APARECIDA**  
 ZYE - 236  
 9630 KHZ 5030 KHZ OM - FM  
 91 M 90 M  
 APARECIDA - SÃO PAULO - BRASIL

Dear Mr. Daniel L. Barto  
 This card verifies your reception of  
**RADIO APARECIDA, ZYE - 236 - BRAZIL**  
 on 11.603.00 M 0225 v/d at 0300  
 Frequency: 11,695 Band: 50.30 M  
 YOUR DETAILS ARE CORRECT THANK YOU!

QSL - CARD

**CLANDESTINE; Radio Suri-**  
 \* **name International**  
 17755 f/d form ltr. in 45 ds. for an EG rpt. v/s G. J. Cooman, Acting Editor in Chief.  
 \* (Harms). **Radio Truth**  
 5015 f/d prepared cd. in 8 mo. for 2 IRCs. (Palmerheim). **La Voz del CID** 11700 via **Radio Clarin** f/d "Certificado de Sintonia" cd. in 28 mo. for a SP rpt. (George-NC).

Ray Forsgren, Chippewa Falls, WI 7700





# TIC F

LIGHTHOUSE OF THE CARIBBEAN

FARO DEL CARIBE

"Let your light as little better men, via Richard D'Angelo that they may see your good works, and glorify your Father which is in Heaven". Matthew 5:16

"LIGHTING THE WAY TO LIFE"

"Iluminando el Sendero de la Vida"

We happily continue your reception of TIFC, Lighthouse of the Caribbean.

Con el mayor gusto continuamos su recepción de TIFC, Faro del Caribe

*Richard D'Angelo*  
Programa Sigatima

Departamento de Programas

Est. 2718

1.800 San Jose

Costa Rica, C. A.

Frecuencias:

1.075 KHz broadcast band

8.175 MHz 49 meter band

9.845 MHz 31 meter band

5.055 MHz 60 meter band

FM 5.0

FM 5.0

FM 5.0

FM 5.0

FM 5.0

FM 5.0

FM 5.0

FM 5.0

**EUROPEAN RUSSIA:** Radio Moscow 7160 via Armavir f/d "Lenin Central Stadium" cd. in 37 ds. (Mosier).

**GABON:** Radio Japan 9570 via ANO at Moyabe f/d cd. in 1 mo. (Renfrew).

**GALAPAGOS ISLANDS:** La Voz de Galapagos 4810 f/d prepared cd. in 44 ds. for a SP rpt. and 1 IRC. v/s P. Vietor Maldonado. (Cones-VA).

**GERMANY, FEDERAL REP. OF:** Deutsche Welle 6040 n/d cd. in 18 ds. (Weiss). 6085 and 6145 via Julich n/d cds. in 28 ds. (Harms).

**GHANA:** GBC 4915 f/d ltr. in 59 ds. for 3 IRCs. v/s I. A. Mettle, Engineer. (Thim-CT).

**GREECE:** Radio Station Macedonia 9460 via Thessaloniki f/d "Seacoast" cd. direct from \* station in 6 mo. for 2 IRCs. (Kusalik). (Mosier).

**GUAM:** KTWR 9870 f/d "Tape Recording Console" cd. in 17 ds. for ms. v/s Sandy Darnick.

**GUYANA:** GBC 5950 f/d ltr. in 28 ds. for ms. v/s Miss Phyllis Hyles. (George).

**HAITI:** Radio 4VEH 4930 f/d cd. in 68 ds. for a FR rpt. and ms. v/s Edna Beachy. (Henschen).

**HONDURAS:** HRVC 4820 f/d "Silver Jubilee" cd. w/ new pennant in 326 ds. for an EG rpt. and 3 IRCs. v/s Miss Reina M. Figueroa. (Thim).

**HUNGARY:** Radio Budapest 6025 f/d cd. in 32 ds. (McDaniel).

**ICELAND:** ISBS 13797 f/d "Autumn Landscape" cd. in 85 ds. for a taped rpt. and 3 IRCs. (Harms).

**ISRAEL:** IBA 11655 f/d "Shalom" cd. in 5 mo. (Weiss). 9435 f/d cd. in 39 ds. for 2 IRCs. (George).

**KOREA, REPUBLIC OF:** Radio Korea 7275 via Suwon p/d "Asian Games" cd. in 37 ds. (Bishop). 15575 p/d cd. in 79 ds. (McDaniel). f/d cd. in 96 ds. (Mosier).

**LEBANON:** King of Hope 6215 f/d "Broadcasting from Free Lebanon" cd. in 54 ds. Report sent to Israel address - QSL rcvd. via Calif. address. (Forst).

**LESOTHO:** BBC 6190 n/d "Bush House" cd. in 25 ds. v/s Bert Gallon, Chief Engineer for External Broadcasting. (Harms)

**LIBERIA:** VOA Monrovia 3990 f/d cd. in 5 wks. two different stickers rcvd. (Kusalik). ELWA 4760 f/d cd. in 102 ds. for 3 IRCs. v/s F. Manuel. (Thim).

**MALI:** Radio Mali 4783 and 4834 f/d "Map" cd. in 56 ds. for a FR rpt. and 2 IRCs. (George). (Harms).

**MALTA:** Deutsche Welle 11785 and 9565 n/d cd. in 28 ds.

**MONTSEERRAT:** Deutsche Welle 9545 n/d cd. in 28 ds. (Harms).

**NAMIBIA:** Radio South West Africa 3295 n/d "Grazing Animals" cd. in 71 ds. for 3 IRCs. (Thim).

**NEPAL:** Radio Nepal 5005 f/d "Pokhara Transmitting Station" cd. w/ schedule in 108 ds. v/s R.S. Karki. (Bishop).

**NORWAY:** Radio Norway International 15305 f/d cd. in 1 mo. (France). 11850 cd. in 1 mo. w/ decal. (Weiss).

**NIGERIA:** Radio Plateau 5965 via Jos f/d ltr. in 142 ds. for 2 IRCs. (Thim-CT).

**PAPUA NEW GUINEA:** Radio Morobe 3220 f/d ltr. in 3 wks. for 2 IRCs. v/s Sam Sawa, Assistant Station Manager. (Palmerheim).

**PERU:** Radio Tropical 4934.7 cd. in 6 wks. for a SP rpt. v/s Dora R. de Mori. (Palmerheim)

**PHILIPPINES:** DZB2 3344 p/d "Sunset over Manila Bay" cd. in 9 ds. after a telephone rpt.

\* to Dick Chase. v/s Jackie Scott. This is the new station at Baco. (Bishop-PHIL). VOA 17740 f/d cd. in 21 ds. (McDaniel).

**POLAND:** Radio Polonia 7270 f/d cd. in 95 ds. (Paszkiwicz). f/d "LOT" cd. in 111 ds. for 1 IRC. v/s Zdzislaw Frackiewicz. (Weber). 9525 same cd. in 2 mo. (France).

**PORTUGAL:** Radio Free Europe 11925 via Gloria p/d cd. in 7 ds. (George).

**RIO MUNI:** Radio Africa 15106 via Radio \* Nacional f/d personal ltr. from Gene Grassie in 7 mo. (Van Horn-FL). same in 6 mo. (Witte-CA).

**SAIPAN:** KYOI 15405 p/d "Super Rock" cd. in 11 ds. w/ sticker for ms. (Weber).

**SICILY:** RAI 7175 via Caltanissetta f/d "Italian Art" cd. in 3 mo. (Van Horn).

**SOUTH AFRICA:** Radio RSA 9615 f/d "Garden Snails" cd. in 19 ds. (George). same cd. in 14 ds. (Mosier). f/d cd. in 11 ds. (Weiss).

## RADIO TANZANIA

via Joe Talbot



DAR ES SALAAM

**NIGERIA:** Radio Plateau 5965 via Jos f/d ltr. in 142 ds. for 2 IRCs. (Thim-CT).

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## РАДИО МОСКВА

RADIO MOSCOW

M. Christos RIGAS

Chicago

Non vos remercie de l'écoute des émissions de Radio-Moscou

Date de la bande de \_\_\_\_\_

le 29 may 1983

Heure 17h-17h10 GMT

Frequéce 17860 KHz via Léningrad

Площадь Восторужского вокзала

4-2-2 Рязань

Votre rapport est vérifié et conforme avec nos

données

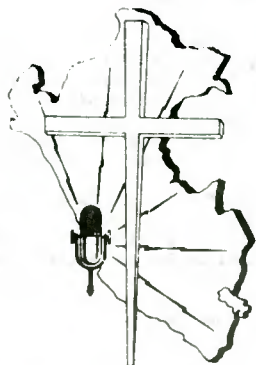
☐ Remarque: émettre 1 min

Avec nos meilleures salutations.

# Radio Del Pacifico

APARTADO 4236

LIMA - PERU



## RÁDIO CLUBE DE RIBEIRÃO PRETO S.A.-PRA 7

SPAIN: REE 9650 f/d "Parador Nacional de Siguenza" cd. in 6 wks. (Bowden).  
SRI LANKA: SLBC 15425 f/d cd. in 10 mo. for 3 IRCs. (Thim). f/d "World Map" cd. in 35 ds. for 3 IRCs. v/s C.V. Jeterson. (Thim).  
SWEDEN: Radio Sweden International 15345 f/d "Solvesborg Tower" cd. in 10 ds. (Harms).  
SWITZERLAND: Swiss Radio International 6135 f/d cd. in 7 wks. (Weiss).  
SYRIA: Radio Damascus 11685 f/d "Logo" cd. in 101 \* ds. for 1 IRC. (Thim).  
TAIWAN: Voice of Free China 7285 f/d "Art" cd. in 2 mo. (Bowden).  
TANGLER: VOA 6095 f/d cd. in 7 ds. (Hastie).  
TANZANIA: Radio Tanzania 9685 p/d "Map" cd. in 59 ds. for 3 IRCs. (Hastie). same in 6 wks. for 2 IRCs. (Talbot-ALB).  
THAILAND: Bangkok Meteorological Station 7863 rcvd. ltr. from Post and Telegraph Dept. for a 1974 \* reception after many f/up rpts to station, embassy and Radio Thailand. v/s S. Clmleut, Director of International Services. (Kusalik-ALB).  
TUNISIA: RIVI 7225 f/d ltr. in 44 ds. for an EG rpt. and 2 IRCs. (George).

TURKEY: Voice of Turkey 9560 f/d cd. w/ pennant in 35 ds. for 1 IRC. (McDaniel).

UKRAINIAN SSR: Radio Kiev 7400 f/d cd. w/ flag in 64 ds. for 2 IRCs. (Weber). 15180 f/d cd. in 90 ds. (McDaniel). Radio Moscow 6070 and 7290 via Lvov cds. in 1 mo. (Sgrulletta). 7215, 15135 and 15475 via Vinnitsa cds. in 5 wks. (Sgrulletta). 6020 via Kiev f/d cd. in 1 mo. (Sgrulletta). 13665 via Simferopol f/d cd. in 1 mo. (Sgrulletta). 7150 and 7115 f/d cds. in 5 wks. via Ivano-Frankovsk. (Sgrulletta).

USA: Radio Marti 11930 f/d cd. in 3 mo. (Kusalik). 9660 cd. in 6 mo. (Palmerheim). 6075 f/d cd. in 3 wks. (Cones). Voice of Free China 5985 via WYFR f/d "Year of the Ox" cd. in 23 ds. (Mosier). WMLK 15110 f/d ltr. in 23 ds. for ms. v/s Elder Jacob O. Meyer. (George). KCBI 11790 f/d "Texas to the World" cd. in 5 mo. (Talbot). f/d cd. in 14 ds. (Kusalik). 11905 same cd. in 8 ds. (Thim).

**RCN**  
LA RADIO DE COLOMBIA

USA (Pirate): KNBS - Cannabis 41 7430 f/d cd. in 3 mo. (Gavaras). Voice of Laryngitis 7435 f/d cd. in 24 ds. for ms. (Paszkwicz). 7425 f/d cd. in 7 wks. 50 watts! (Talbot). KQRO 7400 f/d cd. in 1 mo. for ms. (Talbot). WMTV 7425 f/d ltr. in 160 ds. 300 watts! for ms. (Gavaras). same in 155 ds. for ms. (Plum-NJ).



UZBEK SSR: Radio Tashkent 11785 f/d cd. in 68 ds. (Forst). 7340 f/d "Tapestry" cd. in 87 ds. for 2 IRCs. v/s Nadira Babadjanova. (Hastie).  
VATICAN: Radio Vatican 11845 f/d cd. in 6 wks. w/ schedule. (Bowden).  
YEMEN: Radio Sana'a 9780 p/d form ltr. in 87 ds. for an EG rpt. and 2 IRCs. (Wilkins-CO).  
ZAIRE: Radio Candip 5066 f/d "Antenna" cd. in 9 1/2 mo. for a FR rpt. and 2 IRCs. (Palmerheim). same in 7 mo. for a FR rpt. and ms. (Kusalik). 3390 p/d cd. in 5 1/2 mo. QSL was mailed from Edegem (near Antwerp) in Belgium. (Bishop).



Sr. D. John R. Meyer

Muchas gracias por su informe de recepción.

Tenemos el gusto de confirmar su control

de nuestra emisión en 15365 KHz.

de fecha 23 diciembre 1979

hora 2100-2148 HMG/GMT.

Le saludamos muy atentamente

TX: Tenerife

Till next time.....



# update

February 1986\*\*\*Number 204

Tom Alleman  
636 E. 74th Terr.  
Kansas City, MO 64131 USA  
(816) 523-7292 7-10 pm Central only

UPCOMING DEADLINES: 10 February (Mid-Feb) 20 February (March) 10 March (Mid-March)

Reproduction permitted. Credit original reporter and NASWA UPDATE. Dates, times and days GMT: freqs kHz.

\*\*\*\*\*

AUSTRALIA 6WF relayed via VLW9, 9610, in EG 1121. DJ w/ New Year's greetings to local, nationwide and overseas listeners, hoping they'll put another "shrimp on the barbie" (he's been watching Paul Hogan, hi!); ID as "WF" and back to a countdown of 1985 C&W hits. Fair. (Park, HI 12-31)

BRASIL Radio Globo, Rio de Janeiro, 11805, in PT 0120-50. Long commentary by M. ID and into football game with "Goooooooooal!!!" (Falkenhan, MD 1-17)

CANADA CKFX Vancouver, 6080, in EG 1905-30. Noted with WX-1130 Country and WX-Country IDs, C&W tunes, tcs, and ads for Lumber Land, IGA, Field Hill Shopping Center, Canada Safeway, and psa annmcs. Noted very strong some days at midday w/ s7-8 level, just like a local AM'er. (Kusalik, AB)+++RCI, 9755, in EG 0400. "SWLers Digest" heard for first time on 9755 in over 2 months. Extremely frustrating since 5960 is occupied by mideast jammer, the 2300 b'cast is inaudible, while the Saturday airings are irregular at best. Very poor at best; over/under unID religious stn and jammer QRM, and QRM from NSB 9760. (Park, HI 1-13)

CHINA PLA I to Taiwan, 3200, in CH 1643. Sort of a CH "rap" as a man was talking in sync w/ rapid background rhythm. W w/ talk, another W singing folk songs // 3535. Poor w/ local MW spur etc. (Park, HI 12-25) +++RB, 7470, in IT/Albanian, 1853-1902. Chinese mx prgm, s/off in IT. Carrier left on. IS 1900 and IDs in Albanian: "Yu flet Pekinye." W anncr prgm preview and nx. Fair w/ ute qrm 7475. Another RB channel on 7480. (Park, HI 12-28)+++RB, 9670, in RS 2100. IS, Govorit Peking, and nx, but jammed at 2102. Then useless. No sign of KYOI, QRM Pyongyang 9664v. (Park, HI 12-21)

COLOMBIA R. Super, Medellin, 4775, in SP 0400-35; local mx, salsa mx, echo IDs. New freq? (Falkenhan, MD 1-12)

ENGLAND BBC WS, 3955, in EG 1549. "A Jolly Good Show," prgm promos and world nx. // 3915, 9410. Surprised to hear UK on so low a freq. Poor w/ ute cochannel. (Park, 12-17)

INDIA AIR North DS, 3905, in EG/Hindi, 1544. Repeat of news main points, then two spots in Hindi; W w/ ID, M w/ ID and commentary on improving relations w/ Pakistan. Poor w/ ute qrm and heavy QRM. (Park, HI 12-17)

KENYA VoK--Koma Rock, very tentative, 11740, in SH 2035-2114\*. Hilife like mx, time pips, nx, into religious prgm, sudden s/off. (Falkenhan, MD 12-28)

KOREA (NORTH) Pyongyang via Sinuiju, 2745 (RDI list 2746) in KR 1648. Distinctive oriental classical mx for piano, orchestra and chorus, // 2766, 2776, 2850. Fair. Local QRM. (Park, HI 12-25)

KOREA (SOUTH) R. Echo of Hope, 3985, in KR 1656. M&W w/ nx, sever 1 mentions of "percent," and "Taiwan". ID: "...ui mea-ri bangsong..." over orch mx. Carrier left on. Poor w/ rapid QSB. (Park, HI 12-31)

LIBERIA UN Radio via VOA, 17860, in EG/FR/SH 0828-45. End of "UN Africa" EG/FR IDs into "Bonjour l'Afrique" at 0830. SH prgm 0845. Even the US isn't audible on 16m at this time so this was a pleasant surprise. Poor w/ heavy local qrm. (Park, HI)

MOROCCO RTVM, 17595, in AR 1610-50; Arab mx w/ strings. M in AR. Poor w/ deep fades. (Falkenhan, 12-28)

MOZAMBIQUE RM, 9618(M), 1752-1815. Noted w/ carrier till 1752 then indigenous xylophone IS w/ IDs in EG/PT till 1758. S/on in EG w/ schedule. EG NX (very detailed) to 1809. Nice IDs in EG and an interview to 1815 t/out. Nice signal till noise hit them at 1815. (Kusalik, AB 12-28)

NO. MARIANAS KFBS, 17870, in presumed Hindi 0100. M w/ EG ID, W w/ lang ID mentioning "Fee-ba Radio," into religious prgm. Per UADX via gh, this show is prerecorded at FEBA and is // FEBA. Fair w/ USSR QRM on 17860, 17880. (Park, HI 12-29)

SINGAPORE SBC, 5052, in 1555-1605\* noted w/ pop mx to 1600 w/ 6 time pips, nice ID for SBC, national ncast till 1604, closing annmcs, sked of times and freqs both sw and am. NA played to s/off. (Kusalik, AB 12-23)

S. AFRICA SABC, 4835, in EG 0431. Morning show run by M, off-air report by ABC's Jim Hickey re S Afr decline in tourism, and BBC on General Electric in Hong Kong. Jazz mx. (Park, HI 1-3)+++RSA, 4945, in lang 1658. Talks by 2M, jazz interlude, 6 short pips and nx by M. Afro pop mx. Poor w/ local and ute QRM, fades. (Park, HI 12-30)

SWAZILAND TWR, 11735, in EG/vern 1525. Handbell IS & EG IDs after RNederland s/off. Into prgm. Poor. (Park, HI 12-20)

SWITZERLAND RCBS via SRI, 9885, in FR/EG 1712. Looking for SRI EG, heard talks by M&W in FR ending 1719, brief mx, EG ID by M as the RCBS "transmitting through the facilities of SRI" and report on ICRC activity in Africa. 1726\* then SRI IS 1727 and AR 1730. Poor w/ local QRM, flutter fading. (Park, HI 12-30)

USSR Alma Ata, 5260, in presumed Kazakh 1640. Guitier-like mx, song IDed by M, ID and talks by another M. Classical mx on piano, brief segue, celeste IS, IDs and local singing. //5960, poor. (Park, HI 1-16)+++RM, 5925, in Dari or Farsi 1711. Quick ID as "Inja Moscow" mx interlude, M w/ tx, W w/ political sounding prgm. Plagued by xmtr problems. Fair. (Park, HI 1-13)+++RM via Birobidzhan (source for site? tba), Jewish Autonomous Oblast, 7492.7 LSB, in EG 1720. "The Way We See It" commentary, talks on CIA // 7315. Poor w/ QRM from feeder carrier on 7487. (Park, HI 12-25)+++R. Tikhii Okean, 9845 USB, in RS/eg 0842. Usual magazine show; the advertized EG "commentary" called Voice of R. Tikhii Okean" is actually brief nx items read by M&W 0849-52. Fair. (Park, HI 12-28)+++RMoscou Internationale, 9875, in FR 0620. Pop mx, ID and talks by W. Vy poor. Local and HCJB 9870 QRM. (Park, HI 12-10)

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Richard Wood adds to the Hawaiian slant of this issue with his report. Without further ado:

AUSTRALIA RA, 15315, to Africa 0500-0600, anncing adjustment from 15320 to avoid unspecified QRM. (12-25)

BRAZIL R. Educadora de Limeria, 2380, in PT 0540, running all night. TCs, commercials despite non-commercial sounding name. Possible all night only for holidays. (12-27)+++

R. Cl. do Para, 4885, in PT 0600 anncing "24 horas no air." Nordeste mx. Good. (12-28)

BURUNDI LV de la Revolution, 3300, in Kirundi 0400. African chorus, almost level TGNA. This is the new 20 kW tx inaugurated in March 1985. (1-5)

CHINA RB 9700//11755 EG to ANZ 0830-0925. Excellent. (12-28)---RB 9535//9820 EG to SAsia 1200-1255; mx, talk on "modern CH painters". Excellent. (12-26)

COLOMBIA HJJZ R. Recuerdos, Bogota, 2620, 0430-0700 LA mx including Mexican mx and cumbias. TCs, IDs. //to fundamental 1130, also hrd but weaker. Heard nightly since then, often loud. UNID harmonics then hrd include 2100 (presumed 2x1050, not XEG or XED), 2660 (2x1330), 2700 (2x1350, fairly loud), 2420 (R. Rumbo, Guatemala has been reported here but I have problems with KZ00 Honolulu also on freq); and 2940 (2x1470, not XERCN Tijuana). (12-27)

FR. GUYANA RFI Montsinery 5950 // 9800 SP 0100. Boite de nuit mx, may be a test seeking a replacement for 6055 which is QRMd by BBC Antigua. (12-26)

FR. POLYNESIA RPO 6135//9748.5, 11825, 15170, 738 in FR running late to 0900 or later for holidays. All good. (12-18)

INDONESIA RRI Jakarta Programa Nasional 7270. IN political talk 1240. Good. (12-26)

KUWAIT RK 9840// 9880, 9905 in AR 0430. ID, AR and SP mx. QRM RMWS on 9840. Otherwise all good. (1-5)

MADAGASCAR RNW Talata 21485 \*0700-0720\* in EG \*0730-0820\* DT, \*0830-0920 EG. All good. (12-28)

MEXICO XEJ R. Mexicana, Cd. Juarez, Chih., on 1940 at 0500 in SP. Ranchera mx, ID. Fair, weaker than fundamental 970. (1-5)

MONGOLIA RUB 7262 in Mongolian 0840. Patriotic choral mx, "Ulaanbaatras 'yarsh," ID, into light mx. Good, separable from 7260. (12-28)

NORWAY RNI, 9605, in NW/EG 0000. NW/EG ID, into NW mx. Good. (12-25)

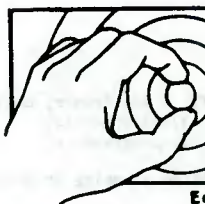
PAKISTAN RP, 9465; \*1640 IS, 1645 Urdu, to WEurope, instr mx. Good (12-27)---RP 15605 //17660 in Urdu 0500, both w/ nx of birth anniversary of M.A. Jinnah. Good (12-27)

More from Richard next time.

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All the best until next time. Hope to see a report from you.

73. BA



# LOG REPORT

## section A

2000 to 4899 kHz

Editor: Mike Harris, P.O. Box 264, Grove City, OH 43123

Welcome.....

- 2390 MEXICO. R. Huayacocotla. 0721. SS. Bored sounding OM ancw w/ xmas greetings & Catholic chants(gregorian chants-ed).(25 Dec,Allen)  
COLOMBIA. R. Santa Maria. 0030-0110. SS. Big band mx, under Huayacocotla, many ID's. (Dickson 22 Dec)
- 2745 N. KOREA. N. Pyongyand PS. 1648. KK. oriental-lite classical music for piano & orchestra.(Park 25/12)
- 2850 N. KOREA. KCBS. 1700. KK. Angry OM w/ ID, 3+1 pips, then into angry YL ancw, lite classical mx.(Park 25/12)
- 3200 CHINA. PLA Taiwan 1. 1643. CC. OM's ancw talking in sync(chinese rap-ed) to rhythm, // 3535. (Park 25/12)
- 3212 MOZAMBIQUE. RM. 0305. PT. Lite latin vocals & EZL instrumentals(Allen 23/12)
- 3225 GUATEMALA. R. Maya do Barillas. 0232. SS. Played xmas carols until 0300(Mosman 11/12)
- VENEZUELA. R. Occidental. 1120. SS. musical selections(Ervine 2/1)
- 3230 REP. SOUTH AFRICA. RSA. 0315. EE. "Our Wild Heritage", ID, and talk by OM, then business news. (Dillon 24/12)
- 3253 VENEZUELA. LV de El Tigre. 0754. SS. ID & MX(can you be more specfic-ed)(Bobb 29/12)
- 3255 LIBERIA. ELBC. 2246. EE. Rock tunes, ID for 11 O'Clock at 2300(D'Angelo 27/12)
- 3260 ECUADOR. LV del Rio Carrizal. 0050. SS. Vocal mx & ID at 0230(Allen 23/12)
- 3275 VENEZUELA. R. Mara. 1032. SS. NX, Commentary, Ads, ID at 1103(Vance 7/12), @ 0045 w/ "Feliz Navidad", etc..(Alexander 27/12)
- 3280 ECUADOR. LV del Napo. 1020. Quecha. Religious programme(Plum 30/12)
- 3285 BELIZE. RB. 0215. EE. "Fire & Brimstone" religious speech(Dickson 30/12)
- 3290 PERU. R. Tayabamba. 0019. SS. Andes flutes & vocal mx, ad's w/ xmas mx, very weak signal. (Allen 23/12)
- 3300 GUATEMALA. TGNA. 0300. Sign on anmt for TGN & TGNA, into usual religious programmes(Smallwood 16/12)(Dillon 26/12)
- 3316 ECUADOR. R. Pastaza. 0345. SS. Weak v/ RTTY QRM, ID & LA MX. (Alexander 27/12)
- 3325 BRASIL. R. Liberal. 0128. PT. Ballads, ad's, ID, talk(Alexander 27/12)
- 3338 MOZAMBIQUE. RM. 0305. PT. Lively mx, ballads, weak signal(Dickson 15/12)(Allen 22/12)
- 3346 ZAMBIA. RZ. 0412. Rock tunes followed by talk. Fade out at 0423(Mosman 31/12)
- 3355 NEP CALEDONIA. Noumea. 0848. FF. Pop music, good signal on LSB(Moman 18/12)
- 3360 GUATEMALA. LV de Nahuala. 0234. SS. Marimba mx, occasional talk, one ID noted at sign-off(D'Angelo 27/12)
- 3366 GHANA. GBC. 2249. EE. News, running //4915 until 2255. (D'Angelo 8/12)
- 3380 MALAWI. MBC. 1800. EE. News about this years tobacco crop(Harris-RSA 23/12)
- 3385 FR. GUIANA. Cayenna. 0145. FF. EZL FF MX //5055(Alexander 27/12)(Dickson 26/12)
- 3396 ZIMBABWE. ZBC-1. EE. 1900. News w/ afro & British pops, weather report for area, commentary(Harris-RSA 26/12)(Schulze 29/11)
- 3726 CLANDESTINE. R. Venceremos. 0140. SS. Programme of FMLN, talk regarding bombing of populated areas by Duarte forces, etc.(Dickson 26/12)
- 3905 INDIA. AIR North DS. 1544. EE/Hindi. Repeat of headlines, 2 ad's, talk about Pakistani relations improvement(Park 17/12)
- 3915 SINGAPORE. BBC. 1807. RR. News in RR w/ ID, Exc signal, best on 75metre's and still audible at 1940(Moman 18/12)
- 3925 JAPAN. NSB. 1810. JJ. YL w/ talk/commentary(?).(Moman 18/12)
- 3945 VANUATU. RV. 0904. FF. Talks //7260,same strenth but less QRM(Moman 18/12)
- 3950 CHINA. Qinghai PBS. 2350. CC. YL singing(Moman 18/12)
- 3955 UNITED KINGDOM. BBC-WS. 1549. EE. "A Jolly Good Show" & programme promos & wld nx //3915,9410. (Park 17/12)(Moman 18/12)
- 3958 FALKLAND ISLANDS. FIBS. 0300. EE. Rock tunes, QRM de BBC on 3955(Hill 30/12), @ 0511 w/ pop tunes(Moman 13/12), @ 0432 two way phone conversation about New Years(Klein 31/12)
- 3970 UNID. 1815. Too faint. RDI/TBS show several possibilities-any info(?).(Moman 18/12)
- 3985 SWITZERLAND. SRI. 0620. FF. OM ancw w/ ID(Trotto 17/12)
- 3999 GREENLAND. Gronlands Radio. 2319-2353. Greenlandic or Danish. Talking w/occasional mx, no ID's heard(Gavaras 24/12) & (Allen 4/1)
- 4299 PERU. R. Moderna. 0400. SS. Ballads, S/O w/ OA NA(Alexander 27/12)
- 4421t BOLIVIA. R. Reyes. 0103. Weak & tent. ID at 0120(Schulze 13/12)

- 4460 PERU. R. Norandina. 0245. SS. Primitive huanyos. QRM de RTTY & VOA feeder, does anyone know of an address of this station? (Burnell-NFLD 2/1)(Allen 29/12)
- 4485 USSR. Petropavlovsk-Kamchatsky. 1430. RR. w/ Turzmen Republic programme w/ usual format(Sharpe 3/1)
- 4525 CHINA. Nei Monggol PBS. 0004. Mongolian(?). OM w/ talk, listed as being in Mongol at this time(Moman 30/12)
- 4719t INDONESIA. RRI Ujung Pandang. 1039. YL ancw w/ soft rock tunes, no ID heard, powerful UTE QRM (Burnell-NFLD 15/12)(Dickson 31/12)
- 4735 MOCAMBIQUE. R. Maputo. PT. 1730. Hyped sports talk(Harris-RSA 24/12) ● 0322 w/ EZL mx, ID at 0330 //9618 not heard(D'Angelo 13/12)(Alexander 27/12)
- 4749 BOLIVIA. R. Santa Ana. 0024. SS. ID at 0015, assumed religious programme(Schulze 7/12)
- 4760 LIBERIA. ELWA. 2224. EE. Religious hymn's, ● 2230 muffled S/O annts, anthem at 2232. off at 2233(Moman 16/12) ● 0556 "Morning Prayers" followed by "Good Morning Liberia" at 0615.(Smallwood 11/12)(D'Angelo 14/12)
- CHINA. Yunnan PBS. 1402. CC. OM & YL w/ NX, pop-like CC tunes(Sharpe 21/12) ● 2346 OM w/ yalk(Moman 29/12)
- 4770 NIGERIA. FRCN Kaduna. 2245. EE. Afro vocal mx, nx brief at 2255, OM wished all a good night and Happy New Year at 2300(Thunberg 31/12)(Dickson 31/12)
- VENEZUELA. R. Mundial Bolivar. 2245. SS. Lively LA style mx w/ID(Dillon 15/12)
- 4774 COLOMBIA. R. Super de Medellin. 0307. SS. Back on air ex:4875. Cadena mx, pops and full ID(Cunningham, via UBIH 10/1)(Allen 23/12)
- 4780t DJIBOUTI. RD. 0327. Somali. Arabic & Somali mx, possible nx at 0428(Allen 23/12)
- 4783 MALI. RTVM. 2046. OM talk regarding Pres. Traore's speech. Exc signal(Burnell-NFLD 3/1) ● 0605(Kester 21/12)● 2215 //4834.7(Moman 16/12) ● 2230(Dillon 23/12)
- 4790 PERU. R. Atlantida. 0220. SS. Lively LA pop tunes, M vocalist, many ID's(Jordan 24/12) ● 0057 w/ Madonna mx(Burnell-NFLD 9/12) ● 0115(D'Angelo 8/12) ● 0110(Ervine) + 6 others, but I think you get the idea-ed.
- 4795 CAMEROON. R. Douala. 2242. FF. School children singing xmas carols(Klein 25/12)
- ECUADOR. LV de loa Caras. 0129. SS. OM w/ ID & MX(Bobb 27/12)
- 4800 ECUADOR. R. Popular de Guenca. 0130. SS. EZL music, news. Some RTTY QRM(Dickson 10/12) ●0520 w/ lively music ID at 0535(Hill 29/12),●1101 w/ religious programme(Plum 29/12), ●0439 w/ ID by YL ancw, soft LA vocals v/TC and ad's(D'Angelo 31/12)
- 4805 BRASIL. LV do Amazonas. 2242. PT. Emotional talks, some music, presumed religious programme to 2300, then lottery numbers and ad's(Burnell-NFLD 3/1) ●1000 w/ music(Bobb 2/1)
- 4810 ECUADOR. LV de Galapagos. 0055. SS. Two signals mixing badly on this freq(San Martin Peru the other??), annts, and anthem at 0204. off at 0207(Moman 29/12) ●2340 w/ organ playing and occasional ID's(Schulze 29/11) ●0150 w/ guitar music and preview of programme on sunday-first time heard!(Dickson 22/12)
- GABON. AF#1. 1824. FF. Talks, some sort of interview, earliest ever heard here(Moman-Alberta 29/12) ● 2040 w/ rock tunes and art songs(what a mix-ed)(Dillon 23/12)
- PERU. R. San Martin. 0053. SS. Two men w/ sports results from Tarapoto, UTE ARM makes tough copy(Burnell-NFLD 9/12)(Schulze 3/12)
- 4815 BRASIL. RN Tabatinga. 0110. PT. Lively selections of inst/vocal mx, spot ID's and promos(Jordan 31/12) ● 0955 w/ pops(Alexander) ● 2323 w/ "We Are The World" and misc conversation(D'Angelo 3/12)
- BURKINA-FASO. RTVB. 2305. Vern. Traditional Afro mx, YL ancw, gair(Burnell-NFLD 3/1), ● 2341 in FF, dominated by OM in RR lang on freq.(Moman 29/12)
- 4819 ECUADOR. R. Paz y Bien. 0855. SS. Tune into classical mx including "Flight of the Bumblebee", NA at 0904(Alexander 14/12) ● 2250 w/ Andean mx(Schulze 29/12)
- 4824 PERU. LV de Selva. 0040. SS. Clear ID by ancw(Schulze 3/12)
- 4820 HONDURAS. LV Evangelica. 0103. SS. MW ID, music and talk(Bobb 29/12)
- 4825 GUATEMALA. R. Mam. 2346. SS. Easy SS vocals and some talk until "Radio Mam" ID, no anthem at S/O(D'Angelo 7/12) ● 2310 w/ marimba music, presumed religious programme, and ID(Schulze 5/12)
- 4835 GUATEMALA. R. Tezulutlan. 0230. SS. OM w/ talk, hymn music, several ID's at 0234, S/off annt but carrier stayed on(Moman 30/12) ●0015 w/music and clear ID by OM(Schulze 4/12), ●0229 w/ OM in talk(Ervine 17/12)
- MALI. RTVM. 2215. FF. Hi-life music w/ some annts by OM //4783(D'Angelo 14/12)
- REP. SOUTH AFRICA. SABC. 0431. EE. News programme including reports from ABC-TV and BBC, TC & ID's, jazz music(Park 3/1) ●0355 w/ music and news(Koeneman 1/1)
- 4839 PERU. R. Andahuaylas. 0045. SS. ID by OM, sloe Peruvian music(Schulze 3/12)
- 4840 VENEZUELA. R. Valera. 0209. SS. SS Vocal music, OM ancw w/ ID's & TC's(Plum 30/12), ●2355 w/ news in progress(Bobb 1/1)
- 4845 COLOMBIA. R. Bucaramanga. 0300. SS. Time pips, frequency anmt, into lively LA vocals, ad for Banco at 0308(D'Angelo 3/12)
- MAURITANIA. RM. 0625. AA. OM talking, music at 0630, good signal(Kester 20/12)
- 4850 COSTA-RICA. R. Colombia. 0210. SS. OM with talk(Ervine 16/12)

- 4850 CAMEROON. Yaounde. 2230. FF. Classical music through the 1/2 hour, pop music in FF 'till 2315, by 2350 clobbered by Costa Rica, causing a terrible het(Moman 29/12), @2106 in EE w/ news, sports, closing headlines, into high-life music //4795, 5010(D'Angelo 8/12)
- VENEZUELA. R. Capital. 0810. SS. Rock tunes(Bobb 29/12)
- 4856 ARGENTINA. LOL-2. 0056. Time pip's, very weak signal-anyone know how much power they are using on this freq? (Gavaras 1/5 & 1/6)
- 4870 BENIN. ORTB-Cotonou. 2100. FF. OM/YL with talk, gospel song "There's a New Day Coming", into Vern at 2110.(Dillon 23/12)
- ECUADOR. R. Rio Amazonas. 0217. SS. Tune into anthem at S/off, no anmts, then suddenly back on and off several times(real pro job-ed). (Moman 30/12) @0204 with religious music(Dickson 31/12) @0120 w/ "Herb Albert" music(Alexander 16/12)
- 4880 REP. SOUTH AFRICA. SABC. 2125. Afrikaans. Music from "St. Elmo's Fire", OM DJ, Interview(Dillon 23/12)
- 4883 CHINA. RB. 1427. Mongol. External Sve w/ music and YL ancr(Sharpe-no date), @2200 w/ S/on in RR and being heavily jammed(Moman 29/12)
- 4885 PYRU. R. Huanacavelica. 0205. SS. Huanjos, some anmts, ID(Schulze 4/12)
- 4890 ECUADOR. R. Centinela del Sur. 0147. SS. Lively pop tunes, heavy CW QRM at times, possible ID at 0200, then more music(Moman 31/12) @0145 w/ EZL music, pops, ballads, etc...(Dickson 29/12)
- SENEGAL. ORTS. 2145. FF. OM vocal w/string instrument and ment's of Dakar(Dillon 23/12), @ 0710 w/ OM talk(Ervine 13/12)
- PAPUA NEW GUINEA. NBC Port Moresby. 1315. EE. Pop's and EZL selections(Dickson 31/12), @1940 w/ music and mention of "Port Moresby" w/ some splatter from Senegal(Schulze 23/11)
- 4895 BRASIL. R. Bare. 0947. SS/PT. Vocals and frequency ID's(Plum 29/12)

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-Thanks go to some first time contributors this month, thanks to Dr. Jean Burnell from St. John's, Newfoundland, and Don Moman, Executive Secretary of CIDX, in Edmonton, Alberta(if you can hear all of that "on the fringe", as some say, Im all for it!!-hi Don! Thanks also to "Klein" and other's.


-While on a trip to Vermont earlier I had the good fortune of meeting DX'er Rick Blaisdell. He is a member of the Great Circle SW Society and is currently working on a list of all people who use to hold the old WPE/WDX call's. If you have one of those please contact him with your name and other information for his directory. His address is: 6 Diamond Street, St. Albans, Vermont 05479, and his phone:(802)524-2012.

-HOT OFF THE PRESS. The newest catalog published by Universal Shortwave Radio is now available. It is available free of charge to any NASWA/FRENEX member who mention's this paragraph. Write for catalog #86-01 to Universal Shortwave Radio, 1280 Aida Drive, Reynoldsburg, Ohio 43068, Or call:(614)866-4267

-Had a wonderful time in RSA & Zimbabwe during the Christmas holiday. The Afrikaaner and Zimbabwean hospitality is second-to-none. The Rand/Dollar rate also makes it a "bargain" for those wanting an adventure. Despite what one hears of the area on the media networks, it's not that bad. Did some DXing from Johannesburg, RSA, and Harare, Zimbabwe, but spent most of the time in the pool as the heat was rather oppressive. On the way down the airplane also stopped at Dakar and Lagos but I didnt get off, though I did have the chance in Dakar. Will return again in the summer.

-Hope all had a HAPPY NEW YEAR. Until next month, 73's to all!!

*mdb*



# LOG REPORTS

## section B

4900 to 6199 kHz

Editor: Jerry Berg, 38 Eastern Avenue, Lexington, MA 02173

- 4904 CHAD N'djamena, poor in FR at 1930 on 12-18, this the strongest of fading-in Africans (Moman-ALB); 2054 12-26, kids singing to s/off ID, armts, NA, 2103\*; poor(D'Angelo-PA).
- 4905 BRAZIL R. Araguaia, 0020 on 1-2 with Br.pops, electronics, IDs, armts, jingles, some RELIGIO QRM (Jordan); to 0200\* 1-5, thought s/off was closer to 0300 (Alexander-PA); 0205 12-10, church mx, some QRM but genly good (Dickson); man giving fqys at 1000 1-1, hvy reverb, into instrumentals, weak but clear (Allen-OK).
- 4905 BRAZIL R. Relogio Federal, TCs 0205 on 12-10, hrs, mins, secs, alternating w/Araguaia (Dickson); armts by man, TC by gal every minute, instrumentals, 0212-0233 12-11(Passk's).
- 4905 CHINA Beijing, CC talk 2225 12-2, instr., march mx, long talks, TBS says 2230\* but hrd to 2258 fade-out; //5860 hrd briefly, vly weak (D'Angelo-PA).
- 4910 ZAMBIA Lusaka, \*0348 12-29, IS, NA 0355, ID 0358, weak (Alexander-PA); same opening, singing at 0400, 12-13 (Ervine-TX).
- 4915 BRAZIL R. Anhanguera, 0230 12-10, armts, IDs, Br.mx, strong signal (Dickson).
- 4915 GHANA Accra, 2150-2300\* 12-25, man with varied local mx prgm, long talk, EG relig.mx, ID, fair (Bobb-MN); 2210-2300 12-24, varied mx, TC, nx, local Afr mx, ID 2257, good sig (Dickson); fair 2213 12-16 in vernac and EG, talking drums, Xmas mx, EG nx at 2250 (Moman-ALB); 2223 12-28, US country Xmas songs, hi-life, EG ID 2245, TC, local nx, lottery, choir, prayers (McLemore-FL); organ mx 2227 12-8, Afro talks, mx (Dillon-MD); nx in progress 2248 12-8, Afr vocals 2255, //3366; rel.mx, vernac, fair (D'Angelo-PA).
- 4920 ECUADOR R. Quito, mx 0212 12-17, "voz de la capital" ID 0234 (Ervine-TX); 0235-0301 on 12-13, local flutes, EZL LA mx non-stop, fair-good sig, much better 0245 12-21 (Dickson); EZL instr.mx 0350 12-22, ID, ads, armts (Alexander-PA).
- 4921 PERU Tent. R. Ondas del Titicaca, 1006 1-1 with variety of OA tunes, man anncr, "Ondas" hrd in ID, rest unclear, fair sig (Allen-OK); 1008-1035 12-14, OA mx, yipping, man talking; tent., as too weak to pull out an ID (Alexander-PA).
- 4925 CHINA Heilongjiang PBS, in CH 0655-0735 on 12-14, gal vocalising, ID by man, nx, exercise prgm, more IDs, talk, then CH classical mx (Sharpe-CA).
- 4925 EQUATORIAL GUINEA Bata, 2137 12-28, Afr mx, SP pops, lively prgram to s/off ID, armts, usual long NA; 5004 dropped? (D'Angelo-PA). Think they still alternate--JB. Hrd 2142-2204\* 1-5, local Afr mx, also Lionel Richie, s/off with NA (Alexander-PA).
- 4930 HAITI 4VEH, 12-22 at 2108, SP, but into FR 2300, Xmas mx, rel.mx, talk, several IDs, 0030\* in mid-song (Alexander-PA); 2156-2208 on 12-8, LA mx, ID, into FR drama 2200 (D'Angelo-PA); 0010 on 1-7 with FR-EG lesson, very good signal (Hankins-PA); 0131-0224\* on 12-19, continuous EZL Xmas mx till 0200 ID in SP and FR, then nx read by man until 0215, then man with casual talk to sudden 0224 s/off; fair sig (D'Angelo-PA).
- 4930 USSR RM, IS 0230 12-12, gal talking, very weak, couldn't tell language (Daly-NY).
- 4932 INDONESIA RRI-Surakarta, poor at 1700 on 10-12, just caught RRI ID on the hr, possible mention of Surakarta (Moman-ALB).
- 4935 BRAZIL R. Journal "A Critica," 0954-1000 12-30, Br. rock, ID 1000 w/fqy (Plum-NJ).
- 4935 PERU R. Tropical, lively local and pop mx 0235 12-26, ID 0241, TCs, armts, flute mx 0300, good sig (Dickson); 0945-1012 12-29, pops, campo, ID at 1000 (Alexander-PA).
- 4940 VENEZUELA R. Yaracuy, YV mx at 0105 12-9, many IDs and TCs, good sig (Burnell-NFD); disco 0210 12-27, US and LA pops, ID 0226, birthday greetings, fair (Dillon-NC); mx at 0235 on 12-18 (Ervine-TX); EZL mx, love songs, 0305 12-30, soft-voiced DJ (Dickson).
- 4945 S.AFRICA R.RSA, Afr lang at 1658 12-30, talk, jazz, pips, nx, Afr pops (Park-HI).
- 4945 UKID 1716 12-18, Indo or Hindu-type, pops, sirens, unusual condx; vly weak (Moman-ALB).
- 4950 CLANDESTINE R. 15 de Septiembre, 0428 1-6, men talking, better than //6214 (Allen-OK).
- 4950 CLANDESTINE Voz de Verdade, 0308-0345\* 12-22, pops, talk, ID 0319, off mid song(Alex'r).
- 4950 SARAWAK Kuching, hrd in EG at 1503-1530, Xmas mx, ID by man, nx by man, mostly from SEA, cmtry on "Vietnam and the World" (Sharpe-CA).
- 4951 PERU R. Madre de Dios, nx in progress 0103 12-10, past 0128, vly poor w/ute QRM (Burnell-NFD); 0115-0140 12-21, talk, armts, mx, clear ID 0124 (Dickson); vocals 1049 12-30, TCs, IDs on the hr, poor in het, faded arnd 1113 (Vance-CO).
- 4952 ANGOLA maybe. 0325-0349 12-25, PT pops, nx, strong sig, overpowered others (Dickson).
- 4955 BRAZIL Tent. R. Marajoara, variety mx 0130 12-23, nx, possible ID 0200, 0219 (Dickson).
- 4960 ECUADOR R. Federacion, mx prgm 1130 12-10, Indian lang, some flute mx (Field-MI); tent. them 0039-0104\* 12-20, lively mx, armts, NA, good sig (Dickson); no ID so tent. 0115-0200\* 12-14, Andean instrumentals, ballads, bells, lively vocals (Paskiewicz).
- 4965 BRAZIL R. Poti, 0115 12-23, variety of kinds of mx, big sig fluctuations (Dickson).
- 4966 PERU R. San Miguel, ID 0751 1-5, on all night that night, fair-poor (Allen-OK).
- 4970 VENEZUELA R. Rumbos, soccer match at 0237 on 12-18 (Ervine-TX).
- 4975 COLOMBIA Ondas del Orteguaa, 1004-1015 1-3, ID, NA, mx, fair sig (Bobb-MN); hrd 12-31



- at 2351, mix of LA mx, ID 2355, more mx, Happy New Year anmt 2400, mx (Palmer-WA).
- 4979 BOLIVIA-? Vy tent. R. Batallon Topater, talk over Xmas mx 0415-0430\* 12-22, mentions of "Boliviano" but couldn't get ID; hrd only once (Allen-OK).
- 4980 VENEZUELA Ecos del Torbes, lively LA mx 0215 12-8, good-exc (Dickson); ID 0230 12-27, sked, QTH, TC, brassy LA mx, romantic songs, fair signal (Dillon-NC).
- 4985 BRAZIL R. Brasil Central, TCs 0300 12-10, Br.nx, pops, promos, strong sig (Dickson); 0342 on 12-12, Xmas songs, "We Are The World" (Mosman).
- 4990 ECUADOR R. Baha'i, EZL mx 0009 12-20, LA mx, nice signal lvl, ID 0011 (Dickson).
- 4990 PERU R. Ancash, mellow LA mx 0245 12-10, ads, huaynos after 0300, RSA QRM (Burnell-NFD).
- 4996 PERU R. Andina, lively local mx 0240 12-8, TCs, ads, ID 0307, fair sig (Dickson); 0304-0323 12-25, OA songs, ID, TC (Tuchscherer); 0351 12-29, huaynos, echo armts, ID 0400, fair signal with moderate noise (Vance-CO).
- 5004 EQUATORIAL GUINEA Bata, \*0459 12-8, on with NA, opening armts, local mx (Alexander-PA).
- 5006 SURINAM R. Apintie, 0130-0200 12-14, Xmas mx, other types, ID 0356, 0404\* (Burnell-NFD).
- 5010 CAMEROON Garoua, 2108-2120 12-21 in EG nx, into local mx, vernac at 2114, //4795 but separate prgm after 2114 nx (Alexander-PA); FR, chants, 2200 12-30 (Green); tribal singing 2230 12-29, drums, chants, gal anncr in local lang, gone by 2315 (Moman-ALB).
- 5010 PERU R. Eco widely hrd. 0225-0300 12-14, ads, local armts, lively LA pops, TCs, Inca Cola ads, good sig (Dickson); R&R song, talk, local mx, 0230 12-31 (Mosman); fair at 0233 with ad string, IDs (Moman-ALB); hard rock 0246 12-27, man DJ, TC, Inca Cola ad, piano mx, ID, fair sig (Dillon-NC); man talking 0250, ID 0330 (Ervine-TX); 1100-1110 on 1-2 with M&W talking, ID, poor-fair (Bobb-MN).
- 5015 CLANDESTINE R. Truth, gal in EG 0435 1-7, talk on Marxist teachings of Zimbab teachers poisoning kids, "We Are The World," off 0500, fair signal (Daly-NY).
- 5015 USSR Vladivostok, 1245-1300 12-26, RS, clas, mx, Mayak IS 1259, talk (Alexander-PA).
- 5016 PERU R. Moyobamba, light vocals, EZL instrumentals 0240-0252\* 12-22, full ID and stn info, NA to s/off, fair with 5015 QRM (Allen-OK); 0250-0310 12-25, still at 0514(Alex'r).
- 5020 ALBANIA Girokaster, light mx 2125 1-4, ID 2155, talk in Alb, NA to 2157\* (Burnell-NFD).
- 5020 NIJER Niamey, trad Afr mx after Albania off 1-4, pips 2200, FR ID, drums, mostly western pops with energetic man anncr to 2258, maybe nx bltn, choir anthem to 2301\* (Sat; usual s/off is 2200)(Burnell-NFD); 2130-2202\* 12-9, Afr mx prgm, FR, native flute IS, Afr mx 2150, drums, chants, NA, fair with ute QRM (Bobb-MN).
- 5020 SOLCOMON IS. Honiara, EG, pidgin nx, 0829 on 12-18, poor sig (Moman-ALB).
- 5020 VENEZUELA R. Nacional, EG and SP rock mx 0020-0100 12-30, IDing as "630 en Nacional" (MW fcy) (Plum-NJ); 1050 12-31, disco mx, ID by gal, fair sig (Hill-MA).
- 5025 CUBA R. Rebelde, talk abt Cuban mx 2138 12-4 (Slagt-ARUBA); mx, talk, etc 2345 (Ervine-TX); LA and US pops 0207 1-2, surprised to hear Lionel Richie (Burnell-NFD).
- 5026 UGANDA Kampala, 2045-2100\* 12-21, vy weak with mix of US pops and local Afr mx, too weak to catch many details; short anthem at 2100 (Alexander-PA).
- 5030 CHINA Beijing presumed 2146 (\*2100 listed), slow mx almost Xmas-like (Moman-ALB).
- 5030 PERU R. Los Andes, 2320 12-10, talk abt politics, human rights, etc, ID 2332, address 2335, strong signal (Dickson); 0234-0253 12-27, all local mx, ID, exc signal this date (Tuchscherer); lively local mx 0245-0307\* 12-26, promos, TCs, ID 0250, NA, really booming in (Dickson); 0304-0312\* 12-29, armts, ID, SP ballads, off with NA (Alexander-PA); 1005-1015, ID by OM, prgm "Buenos Dias Peru," mentions of Los Andes, bird chirping, mx, good sig on 12-12 (Trotto-FL); tent. them at 0305-0309\* 12-27, TC, man DJ, s/off anmt, NA, off, did not catch ID; poor sig (Dillon-NC).
- 5035 COLOMBIA Tent. LV del Caqueta 0823-0848 12-29, SP man mentioning "La voz . ." talk, mx, TCs, ads, poor-fair sig (Bobb-MN).
- 5035 KAZAKH SSR RM via Alma Ata (per RDBI), poor 1759 12-28, IS, ID, CH nx (Park-HI).
- 5040 ECUADOR LV del Upano, 0045-0100 12-29, man with R&R prgm, ID, fair-good (Bobb-MN); clas.mx in rock style 0053 on 12-28, closed with "Ode to Joy," ID and off (Mosman); good 0105 on 12-29, Dolly with "9 to 5," full IDs, s/off armts at 0129, "Song of Joy" 0131, 0133\* (Moman-ALB); address over "Ave Maria" at 0120 on 12-9, request for repn reports, then sports, mainly successes of local football team (Burnell-NFD); variety of LA mx at 0205 12-18, ballads, old stnds, big bands, religious talk, NA to 0239\*, good signal (Dickson); 0205 1-1, on late with mx, direct reports, IDs, good sig, still on at 0400 (Field-MI); 0220 12-11, M&W talking, mx, ID (Ervine-TX); fair 12-17 at 0233 with fqs, several IDs, "Song of Joy" at 0236, fair sig overall (Moman-ALB).
- 5040 PERU R. Libertad de Junin, 0324-0337 12-27, exc with OA songs, ID 0334 (Tuchscherer).
- 5045 BRAZIL R. Cultural, 0050-0100 12-30 with tranquil mx, ID, fair signal (Bobb-MN); 0235-0302\* on 12-31, Br.mx, talk, lively accordion mx, comedy, ads, full ID 0258, NA, good strong sig, best since DST (Dickson).
- 5047 TOGO Lome, Afr nx read by man, world nx, Afr mx with AR flavor, interview, mentions of Lome, fair sig, 2207-2230 12-23 (Dillon-NC); fair 12-16 at 2211 with man anncr, good sig, better than usual modulation, RTTY QRM; also fair 0000 12-30, TC, OM said "Lights, action, please" in EG, then faint IS, FR s/off armts, drums, short section of anthem, 0002\* (Moman-ALB); FR 0239 1-1, Afr pops, on late for New Years, fair sig (Daly-NY).
- 5050 ECUADOR R. Jesus del Gran Poder, 0947-0957 1-2, IS, man with IDs, mx, fair-good (Bobb-MN); 0250 12-25, inspirational talk by man, lively LA mx, relig.talk, local style mx, ID 0300, good in het, RTTY QRM 0315 (Dickson); 0947-1010 1-5, good with IS at tune-in, ID 0950, relig.mx, chimes 1001, HC mx, NA at 1008, M&W anncrs (Alexander-PA).

- 5055 COSTA RICA TIFC, SP at 2315 12-5, mx, talk, relig. prgmng (Ervine-TX); "Voice of Salvation" prgm 0300 12-14, strong (Dickson); EG relig. prgm 0302 12-21 (Koeneman); relig. talk 0310, bible play, bible study, "Lighthouse of the Carib" ID, P-F (Dillon-NC).
- 5055 ECUADOR R. Catolica Nacl, EZL mx to 0045 12-12, ID, fqys, much QRM (Burnell-NFD).
- 5084.7 UNID. Poor in SP 0143 12-30, LA pops, psble ID over mx, hrd 0200, 0320, gone by 0459 (Moman-ALB); tent. R. San Martin de Uchiza, 0210-0402\* 1-6, pops, modern mx, ID hrd as "R. San Martin," "La radio magnifica," said begins b/c 8 AM, usually vry poor (Allen-OK).
- 5095 COLOMBIA R. Sutatenza, lively LA mx 0340 12-27, Coke ad, full ID 0359, CW QRM (Dillon-NC).
- 5145 CHINA Beijing in Mongolian 1113 12-13, ID by gal, clas. mx, good signal (Trotto-FL).
- 5200 PERU R. San Martin de Uchiza, 1030-1040 12-12, ID by OM, mentions of Lima and Peru, talk, OA mx, accordians, fair (Trotto-FL). R. Imagen also operating here.--JB
- 5275 PERU R. San Juan de Chota, hrd 0110 on 12-8, OA mx, several IDs, talk by DJ (Alexander-PA); hrd with mx prgm 0135 on 1-2, fairly good signal, no ID this time but hrd here in the past (Field-MI); 0151-0201\* 12-31, light OA mx, ID, T 0154, fast "El Condor Pasa," closing armt (McLemore-FL); local mx 0155-0206\* 12-19, armts, booming in (Dickson); hrd 12-25 0157-0231\* with OA songs, huaynos, a Xmas medley (Tuchscherer).
- 5288 CHAD Tent. R. Moundou, 0505 12-14 with mx, bad rcxn, no ID (Field-MI).
- 5661 PERU LV de Cutervo, huaynos, talk, ID at 1122 on 12-29 (Alexander-PA).
- 5721 PERU R. San Miguel Arcangel, hrd 0244-0321 on 12-26, variety of mx at good level but severe RTTY QRM at times (Tuchscherer).
- 5816 PERU Tent. LV del Altoplano, 1025-1101 12-29, huaynos, armts, tent. ID (Alexander-PA).
- 5885 ISRAEL Kol Israel, EG nx, exc signal at 0001 on 12-10, also exc at 0200 in EG on 12-18, ID, nx (Hankins-PA); \*0100-0125\* 12-19, IS, EG ID, nx headlines, details, fair sig, // 7410 (fair-poor), 9435 (poor) (Jordan); seemingly in RS 0340-0355 on 12-26, talk about Louis Farakhan, pop mx, ID, nx, ID, fair signal (Dillon-NC).
- 5895 BELGIUM BRT, EG at 0030-0103\* on 12-19, "Belgium Today," "Radio World," off unexpectedly, then back on 5910 with "Sun City;" good-vy good on 5895, fair-good on 5910 with USSR QRM (McLemore-FL); folk mx 0045 12-22, rpt abt arts in Belgium, //5910 (Prath-FL).
- 5915 USSR RM NA Svc hrd at \*2300, fair signal, some ute QRM, first noted early Nov (Alpert-NY); usual anti-US stuff, exc signal 0012 12-10 (Hankins-PA); in SP 0359 12-26, ID, IS, targeted to LA, bells, "Eata es R. Moscow," nx, good signal (Dillon-NC).
- 5930 CZECHOSLOVAKIA Prague, 0140 with magazine prgm in EG, talk, mx, 12-31 (Hankins-PA).
- 5945 UZBEK SSR R. Tashkent in EG at 1216 on 12-17, fair with "Youth Prgm" (Nagel-PA).
- 5950 GUYANA GBC, EG at 0654 on 12-25, ID for Xmas morning, soul and Xmas nx (Allen-OK).
- 5954 COSTA RICA R. Casino, in EG at 0533 on 1-2, Reggae versions of pops (Klein).
- 5955 SWAZILAND TWR, \*0400 12-23, EG and GM, nx, mx, fair signal (Brann).
- 5960 CANADA RCI, exc with EG nx 0015 on 12-10, good coverage of worldwide events; also at 0203 12-18 with EG nx (Hankins-PA).
- 5975 COLOMBIA R. Macarena, sports play-by-play at 2127 on 12-8, co-channel with BBC WS; slogan, "la emisora de los llaneros" (Burnell-NFD).
- 5975 ENGLAND BBC WS, 0000 on 1-1, Big Ben striking in the New Year, nx, good signal (Koeneman); 0020 12-10 with EG nx, exc sig; piano mx 0045 on 12-14; EG nx at 0204 on 12-18 (Hankins-PA).
- 5979 PERU R. Programas del Peru is a new one here, hrd in AMs, best arnd 1030-1100, fast moving Rumbos-type prgmng, nx, sports, ads (incl. Memorex), messages from govt depts, many TCs, IDs; pretty good sig on peaks, very good audio; either s/on in mid-prgm at various times, or just seems to appear on signal build up; presumed same as 730 MW. (JB).
- 5980 USA VoFC over WYFR, 0310-0359 12-29, exc in EG, opera, mailbag (Hiatt-CO).
- 5980 USSR RM, EG 0700 1-1, gal with New Years greetings, world nx (Daly-NY).
- 5982 MEXICO XEJX, SP mx at 2225 on 12-16 (Ervine-TX).
- 5985 USA VoFC over WYFR, usual exc signal at 0025 on 12-10, CH mx; strong with nx of the Far East at 0206 12-18 (Hankins-PA); 0243-0251, "Main Roads and Byways," CH lesson, exc signal on 12-22 (Brann).
- 5990 JAPAN R. Japan, nx 1107-1110 on 12-30, ID, cmtry, poor signal (Brann).
- 5995 USA VOA, EG nx 0026 on 12-10, EG nx re LA relations 0208 on 12-18, strong (Hankins-PA).
- 6000 USSR RM, EG propaganda at 0028 12-10; also at 0040 on 12-14 with talk on economic trade, and gal anncr giving EG nx at 0210 12-18, prgm called "Top Priority" (Hankins-PA).
- 6005 ASCENSION IS. BBC relay, nc at 2203 12-12, "World Today," good signal (Brann); in SP at 0357 on 12-23, Beatles, talk by M&W, Big Ben, nx (Park-HI); SP 0145 12-21 (Levison).
- 6006 COSTA RICA R. Reloj, LA mx at 1230 on 12-8, ID by man at 1230, "R. Reloj, numero uno en Costa Rica" (Prath-FL); lots of ads at 2336 on 12-11, usual TCs, noticias from 2342, fair signal (Burnell-NFD).
- 6009 CLANDESTINE R. Bardai, fair, strong het, 1913 on 12-29, FR, LSB helps, no jamming. Switch to AR or similar 1915, lots of drums, 4 short/1 long pips 2000, drums, possible ID, losing to 6010 by 2100 (Moman-ALB).
- 6010 S. AFRICA R. RSA, \*0200 with EG nx, fair 12-16 (Moman-ALB); EG nx, cmtry 0212 (Hankins-PA).
- 6010.5 PERU R. America, 0910-1010 12-27, LA mx, armts, M&W anncr, several IDs, //9509 (Alexander-PA); talk abt Boy George 1058 1-8, all EG, TCs, IDs, fair (Allen-OK).
- 6015 NICARAGUA LV de Nic, EG 0135-0151, nx, local quality signal on 12-31 (Dickson).
- 6015 VATICAN Vatican Radio, 0030 FR (Hankins-PA); VG in EG 0052 12-30 (No Name).
- 6020 ASCENSION IS. BBC relay, \*0327 12-16, IS, ID for relay, joined WS (D'Angelo-PA).
- 6020 USA VOA, \*0730 in AR on 12-8, pinning the meter (Alpert-NY).
- 6025 BOLIVIA R. Illimani, 0930 on 12-13 with mx prgm, several IDs (Field-MI).

- 6030 BRAZIL R. Globo, 0833-0845 1-3, ID, talk, mx, poor-fair (Bobb-MN).
- 6030 CANADA CFVP-Calgary, 1620 12-26 with mx, talk, ads, ID as AM 106 (Nelson).
- 6030 USA AFRTS-Bethany, 2213-2232 12-12, "All Things Considered," NPR, good sig (Brann).
- 6035 COLOMBIA LV del Guaviare, 1038-1055 on 12-14, good with campo mx, TCs, ID (Alexander-PA); from 0930 on 12-14, ID, TC after every selection (Field-MI).
- 6035 LIBERIA VOA relay, EG nx 0332 1-1, sports, "Daybreak Africa," good sig (Koeneman).
- 6040 ANTIGUA DW relay, 0059-0150\* 12-26, ID, EG nx, Bach, good sig (Bobb-MN); same prgm, special Xmas prgm 0110 12-26 (Nelson-ND).
- 6040 GDR RBT, SP nx and cmtry 0200 12-1, ID 0229, poor-fair but improving (Jackson).
- 6045 MEXICO R. Universidad, ID, mx at 2137 on 1-4 (Ervine-TX).
- 6045.5 COLOMBIA R. Melodia is back, love songs 1059 1-4, then ID, fair signal (Allen-OK); also hrd here arnd 1000, varied mx, pops, govt messages, TCs, I think 24 hrs (JW).
- 6050 IRAQ Baghdad, poor-fair 0210-0240 12-12, chants, pauses, ID 0230 (Jordan).
- 6050 UNID. at 1920 12-29, 6 pips 1930, lists of names like on the PNGs, local songs also like the PNGs, poor by 2030; not sure of language (Noman-ALB).
- 6055 FR-GUIANA RFI-Montsinerly, \*0300 FR 12-9 (Burnell-MFD); fair, EG nx 0315 1-1 (Koeneman).
- 6060 AUSTRALIA RA, \*0800 IS, ID, nx, econ cmtry 0810, interview, fair sig 12-18 (Jordan); EG at 1700 12-9, nx, "Window on Australia," good signal (Park-HI).
- 6065 USA WYFR, bible readings at 0030 on 12-10, EG (Hankins); VoPC over WYFR, EG 0210 on 1-4, mx, talk, NA at 0303 (Ervine-TX); VoPC prgm, 0220, recipes, mx, //5985, 12-18(Hankins).
- 6070 CANADA CFRX-Toronto, fair at 0158 12-16, sports (Noman-ALB).
- 6071 COSTA RICA R. Rumbo, light vocals 1123 1-8, ID 1200, best sig after 1200 (Allen-OK).
- 6075 HONDURAS LV del Junco, nice LA mx 1230 12-22, part of ID, static (Prath-FL).
- 6085 OMAN Muscat, 1500-1522 fade on 12-23, AR talk, mx, tnx to Ernie Behr tip (Tuchscherer).
- 6085 USA KCEI, poor in RS 0957 12-11 with "Silent Night," talk, Xmas mx, IS, address (Park-HI).
- 6090 CUBA Havana, mx prgm, SP arnts, not //6100, 12-18 (Hankins-PA).
- 6095 PORTUGAL Lisbon, EG nx 0034 12-10, emphasis on Portugal, poor enunciation (Hankins-PA).
- 6100 CUBA Havana, EG nx 0049 12-10, pro-communist; two gals with EG nx 0205 on 12-22; and cmtry on black probe in US in 1865, 0227 on 12-18 (Hankins-PA).
- 6100 USA WERI, World Harvest Radio, \*0602 12-25 with ID, address, Xmas mx (Jones); hrd 0612 on 12-7 with test tones, address, fair sig, co-channel QRM from YVTO (Alpert-NY).
- 6100 VENEZUELA YVTO, hrd 0830 12-28, some jamming QRM but understandable (No Name).
- 6110 MALTA IBERA Radio, EG at 2015-2045 on 12-21, good signal with opening arnts, ID, "The Bible Alive," "Food for Life" prgms (Alexander-PA); 2015-2045 12-25 with "30 Minutes With Peter," good signal, Toronto address (Cavaras).
- 6110 PHILIPPINES VOA, fair in EG 1805 on 12-28 with President's radio prgm (Park-HI).
- 6115 COLOMBIA LV del Llano, folk-type LA mx 0124 12-31, TC, promos, fair sig (Dickson).
- 6115 MEXICO R. Universidad de Sonora, Xmas mx, arnts by gal, 1840-1908 12-24, vy gud (No Name)
- 6120 ENGLAND BBC at 0323 12-10 with "The World Today" (Hankins-PA).
- 6120 NICARAGUA R. Zinicca, man with TCs, IDs, mx, poor-fair 1115-1125 on 1-2 (Bobb-MN); talk, mx, singing, ID, 0245 1-2 (Ervine-TX).
- 6125 GDR RBT, EG at 2201 on 12-8, talk, frequent IDs, address, mx (Ervine-TX).
- 6135 BOLIVIA R. Santa Cruz, hrd 1020-1030 on 12-27, good signal with Andean mx, talk, ID at 1030 (Alexander-PA).
- 6140 CUBA Havana, hrd 0233 on 12-18 in EG, ID, mx, signal S9+30, beamed to No, So, C.Am (Hankins-PA); in EG at 0310 on 12-14, mx by M&W, sports, Cuban nx, local quality signal; signal from this one has greatly improved lately (Dickson).
- 6155 USA VoPC via WYFR, hrd 2235-2258 on 12-14 in EG, good signal with program about Taiwan-made audio equipment, also "Let's Learn Chinese" (Alexander-PA).
- 6155 USA WERI, World Harvest Radio, hrd from \*0300 on 12-17 with electronic test tone sequence, repeat arnts about equipment tests, instr. religious song, poor with co-channel VOA QRM (Jordan); 0315-0350 on 12-16, test broadcast, requesting reception reports; poor with Vienna QRM (Koeneman); 0330 on 12-7 with fair sig, moderate QRM, test tape anmt (Stuart); 0338-0415 on 12-25 with lots of contemporary Christian mx (Stonehill, Grant, Thomas), frequent IDs, very good sig with moderate QRM from Vienna and a ute (Cavaras); hrd 0400-0416 on 1-2, religious mx, ID, fair signal (Nagel-PA); test xmen, tones, address, etc. at 0404 on 12-9 (Paskiewicz); 0457-0515 on 12-25, address for reports, Xmas mx medley, anncd 6100 at 0600, "Onward Christian Soldiers" IS; fair sig, going to poor (Jordan); hrd here 0524 on 1st day of regular xmens, 12-25, with IDs, TCs, religious Xmas mx; to 6100 at 0600, mixing with YVTO there (Alexander-PA).
- 6160 COSTA RICA R. Impacto, \*1200 on 12-15, NA, long ID, into prgm of mx; drowns out CKZU-Vancouver which is good level here in Alabama (Smallwood-AL). !-JB.
- 6165 MEXICO XEW, 0748-0808 on 12-30, mx prgm, man anncr, IDs, talk, F-G (Bobb-MN).
- 6165 NETH. ANTILLES RN-Bonaire, \*0228 12-11, IS, ID, EG world nx, "Neweline," "Images," fair sig (Dillon-MD); EG mx at 0235 on 12-18, strong signal (Hankins-PA).
- 6170 COLOMBIA LV de la Selva, man 1201 on 1-4, IDs, slogan, campo mx, booming in (Allen-OK).
- 6175 ANTIGUA BBC relay, WS at 0000 12-9, world nx, "Nx About Britain," "Radio Newreel." //7325 (fair) (Dillon-MD).
- 6195 ANTIGUA BBC, Xmas mx played at 1123 on 12-25, "Letter from Wales," poor sig (Park-HI).
- 6195 CANADA RCI, in EG 0237 on 12-18, men discussing the automobile laws; and at 0331 on 12-10 in lang, jazz, good signal, some FR (Hankins-PA); 0246 on 1-3, hockey game but couldn't tell the teams; very poor, and CBC now rare (Park-HI). Tnx all; 73 till Mar-



# LOG REPORT

## section C

**6200 to 11699 kHz**

Editor: Peter Drizhal, P.O. Box 663 Oxon Hill, MD 20745

**ON THE WAVE:**

There was a bit more activity in the 7300s and 7400s--even a handful of pirate stations showing their faces... I noticed that the new year brought in a half dozen or so new log reporters, so this is as good a time as any to mention log reporter "etiquette." Write pertinent details on one-inch strips rather than 1/4-inch or, the other extreme, 2", 3", or even one-third page handwritten "essays" (I've received those, believe me). Also, I would prefer not to receive "band-scan" reports (those are fairly easy to spot). At least listen to a station for 10-15 minutes and give a "relevant" detail or two rather than just noting: "nx". And don't forget to add your name with each individual report.

No repeats from last month, and some "common" stations were left out for lack of space. Here we go...

- 6200 NICAGARUA R. Sandino 0200 SP, mx pgm, ID (Field-MI 12/31)
- 6201v PERU LV de Huamanga 0945-1032 SP, tx, IDs (Alexander-PA 11/29)  
1014-1036 SP, weak, tough copy, couple of huanyos (Burnell-NF 12/15) 1047 SP, OM w/TCS & personal msgsg. (Allen-OK 1/4)
- 6205nf ECUADORE HCJB (nf replaces 6210) 0550-0600 Nor, W ancw w/tx, 0600 full ID, good signal (Trotto-FL 12/17)
- 6205 ITALY AWR 2028 EG, Inspirational mx fol'd by ID & adr. then more mx; poor--QSB/ARO QRM (Daly-NY 12/31) 2055 EG, "Lifestyles" ending, IDs, fq's, 2100 GM pgm; p (Burnell-NF 1/3)
- 6215 CLAND. R. Quince de Septiembre 1220-1515 SP, ments. Nicr., libe-racion, etc., some nice mx; p (Gavaras 12/25)
- 6230 CLAND. R. Monimbo 0024 SP,tx:Managua, Cuba, etc; nice mx (Gavaras 12/25)
- 6240 ANTIGUA DW 0132-0150\*EG, classc mx, Xmas tradtns (Burnell-NF 1/2)
- 6250 EQ. GUIN. R. Nacional 2155-2204\* SP, mx, ID,NA (Field-MI 12/14)
- 6250 VATICAN STATE VR 0729 EG ending, mx, into SP; f (Alpert-NY 12/10)  
2200 nx (lang? --ed.), strong sig. (Field-MI 12/24)
- 6280t LEBANON Vo Hope 0537-0545 AR, slow vocals,tx;wk (Paszkiwicz 12/29)
- 6280 PERU R. Huayabamba 0245-0335\* SP, mx pgm, ID;f-g (Field-MI 12/10)
- 6305 COSTA RICA R. Camilo Cienfuegos, 0937-1003 SP, LV del CID pgm, comedy px, inst mx, 1000 ID fol'd by vx (Vance-OO 12/30)
- 6556.6 CLAND. LV de Alpha 66 0230-0230 SP, OM w/loud tx, off at 0230 after loud marching mx; vg (Catch an ID?--ed) (Daly-NY 1/5)
- 6556.6v CLAND. R. Venceremos 0028 SP, IDs, mx, etc.;g (Gavaras 1/6)  
0300-0322\* SP, ID, revl.mx, tx: Guatemala (Dickson 12/28)
- 6725v PERU R. Satellite 0235 (lang?!--ed), musical pgm, ID, wk (Field-MI 12/31) 0325-0347 SP, mx, anmts, ads, promos;f-g (Dickson 12/29) 0415-0418\* OA NA, weak (Alexander-PA 12/27)
- 6840 AUSTRALIA VJY Darwin 0900 EG, ABC theme,nx,in USB (Moman 12/18)
- 7100 BULGARIA R. Sofia 2130-2200\* EG, //7115 (Alpert-NY 11/22)  
(Program details, please!--ed) 2153-2200\* EG, US-Blgr. book exchange, freq and program sched's; f (Brann 12/11)
- 7115nf N. KOREA RP FS 1845 KR, Usu.angry tx by man (Park-HI 12/13)
- 7115 BULGARIA R. Sofia 0400 EG, Blg.rlatns w/Sweden (Prath-FL 12/22)
- 7135 USSR (or poss.Habana relay?) RM 0045 RP, Swingin' jazz w/SP wds1, SP ballad (Dickson 12/12) 1802 EG, nx, "News and Views"; QRM, poor (Park-HI 12/18)
- 7160 MONACO TWR 0721 IS, \*0725 EG, into "Revive Your Heart" psalm program; good (Alpert-NY 12/10)
- 7170 NEW CALEDONIA RFO Noumea 0644 FR, US & Euro pops;f (Park 12/30)
- 7205 AUSTRALIA RA 1640 EG, Sports scores, frq's 1644 (Dickson 12/26)  
1835 EG, nx;g (12/17) 2100 freq annmts,s/off;f (Moman 12/10)
- 7215 TURKEY VoT 2107 EG, Rev o/TK press, lammed (Paszkiwicz 1/4)
- 7225 RWANDA DW \*0430 EG, nx, ID (Afr.svc) (Hill-MA 1/5) 0440 EG Afr.rel nx; "Intl Talking Point", poor (Park-HI 12/15)
- 7270 S. AFRICA RSA 2054-2102 FR/EG, FR & mx to 2156, then IS, then open EG svc at 2100, nx; 9585 w/better quality (Palmer-WA 12/22)

7275 NORWAY RNI 1400 EG, //15310,9530--Norway This Week, Nx & Views, talking box, sio 333 (Zilmer 12/14)

7280 USA VoA 0345 EG, Daybreak Monday Morning, intv w/Bob Edwards of NPR, & Buddy Rich, Monrovia relay (White-FL 12/9)

7300 ALBANIA R.Tirana 0350-0359\* EG, propaganda (Jones 12/16)

7310 PAKISTAN VoP 0230 EG, nx o/PK (SlagT-ARUBA 12/1)

7325 USSR RM WS--Novosibirsk 1831 EG, Nxbrief, "Listeners Request Club" w/last yrs 10 most req.songs; fair (Park-HI 1/4)

7350 USA WHRI 1011 EG, mx, IDs, Indiana adr. (Ervine-TX 1/1)

7355 USA rel. Vo Fr.CH 2203 EG, opening anns;f (Nagel-PA 12/14)

7355 USA WHRI 0940-0950 EG, rel.mx,ID; g-sig (Trotto-FL 12/31)

7370 USA-PIRATE Vo Democracy 0407-0520\* EG, pop mx, phone lines not working, comedy routines: FCC,RM,etc (Paszkievicz 12/29)

7375 USA-PIRATE 0415 EG, extr.weak,IDs,0457\* (Jones 12/25)

7375 USA-PIRATE 0445 EG, "I Want a New Duck," etc.;p (Allen-OK 12/25)

7375 USA-PIRATE Vo Communism 0505 EG, Highly entertaining pgm, RM parody, Mailbag & intv's; poor (Allen-OK 12/25)

7380 USSR RS P&P (via Irkutsk?) 1156 CH, Raggae(!) mx, ann's, horny IS ("horny?"--ed), ID, tx; fr (Park-HI 12/22)

7390 CLAND. LV del CID 0900 SP, now here & much better than 7380, OM w/tx & fanfare every minute; Drama;g (Allen-OK 1/1)

7400 ISRAEL KI 0016-0029 EG, nx,sports,intv's;g (Koeneman 12/19)

7400nf USA WHRI 0418-0500 EG, ctns Christian mx, now the new freq for R. Earth, bet.than 6155 or 6095 planned;slt sg (McLemore 1/4)

7425 USA-PIRATE WGAT--the Nam svc of the GA Dismal Swamp 0230 EG, Michael Faraday, ancr; ad for "Van's Condenser Works";p (Hill-MA 1/1)

7425 USA-PIRATE WMTV 0509-0522\* EG, phone-ins, rock mx, DX Dateline, anc'd R.N.Coast next but didn't hear (Paszkievicz 12/28)

7430 GREECE VoG 2147 lang, clasc mx (Hankins-PA 12/21) 0130 EG, nx, local, parliamentary elections, UN, NATO session, S. Afr.tx, (Dickson 12/2)

7435 USA-PIRATE R. Hyperwave 0215 EG, some 70s rock, gave Fullerton, CA mail drop (Jones 12/30)

7435 USA-PIRATE Vo Laryngitis 2117-2136\* EG, fake intv w/Pres., Mr. Rogers parody, seal calls at s/off (Paszkievicz 12/1)

7439.5LSB USA-PIRATE WPBR 0240 EG, Pig Boy Radio, "Pig Boy Facts" pgm, QSL contest announced (Jones 12/25)

7450 SPAIN SFR 2255-2303 SP, Xmas mx, ID & tx (Alexander-PA 12/24)

7455 SYRIA R. Damascus 2100-2204\* EG, open carrier til NA at 2104, openg anns, ID, nx, lite instr mx, commentary, AR mx, listeners' letters, "HI 5-0" theme mx, NA 2303 & off (Alexander-PA 12/14)

7470 CHINA RB FS 1853 IT/Albanian, CH mx pgm, IT s/off; at 1900 IS & ID: "Ju flet Pekinje", pgm prev, nx;f (Park-HI 12/29)

7492.7LSB USSR RMWS Birobidzhan 1720 EG, "The Way We See It", tx on US CIA //7315; site via RDI; QRM, poor (Park-HI 12/25)

9420 GREECE VoG 2346 SP, Debate on GK econ.,nx,0000\* (SlagT 12/4)

9440 CHINA Vo Dem. Kampuchea 0000-0026\* Cambodian(?), OM,YL tx w/freqt ments of Kamp., mx & YL tx betw., 0026 ID & s/off (as per Danish Home Svc Stn Guide) (Sharpe-CA 1/2)

9455 USA VoA 0000-0015 EG, nx, Carib. report; g (Koeneman 12/19) 0230 EG, "VoA Magazine Show" (12/6) 0315 EG, clasc mx pgm,nx (12/16) 0320 EG, "VoA Jazz Hour" (White-FL 12/6)

9495 MONACO R.Monte Carlo (anc'd) 0900 EG, gospel pgm (Hankins 12/31)

9525 CUBA RHC 0615 (lang?--ed), nx,cmtry, sio 555 (Brann 12/1)

9530 NORWAY RNI 1400 EG, Norway This Week, Nx & Vws (Zilmer 12/22)

9535 NETH. ANT. TWR 0340-0400 EG, "Thru the Bible R." (Jordan 12/26)

9545 W. GERMANY DW 0100 EG, (program details?--ed) (Hankins-PA 12/31)

9560 TURKEY Vot 2300 EG, nx (Green 12/26) 2330 EG, Letterbox Pgm, TK mx, reqst for recep reports, ID (White-FL 12/4)

9575 ITALY RAI 0100 EG, nx(W--the young, pretty one w/long blonde hair & good sun tan, etc.) (...so much for pgm details--ed) (Dickson)

9585 S. AFRICA SABC 2123 EG, nx & wld nx, re: boycott activities against SA (Hankins-PA 1/6)

9590 UK BBC 2345 EG, Records & News o/the hit parade, top-20 pgm (White-FL 12/4) "Just a Minute"; tx/o upcoming pgms (Nelson-ND 12/23)

9595 UAE R. Dubai 1512-1622 AR/EG, Mid.E mx & txs in AR, EG ID's at 1600 & 1616; very strong (Tuchscherer 12/19) 1529 EG, fq sched, nx, mx; sio 322 (Zilmer 1/1) UAE R. 1600 EG, story, mx, 1615 asking for reports (Field-MI 12/31)

9600 NEW ZEALAND RNZ \*0855 EG, Bell-Bird IS, ID 0857, nx & wld nx, "The World This Week" on bill forbidding warships w/nucrlr wpns to enter NZ ports, f/out by 0930, //11780 drowned out by Amazonia (Smallwood-AL 12/10)

9600 PHILIPPINES(?) AFRTS 2105 EG, UPI nx, "Army Digest", //11805, 15330, 15345, 15430 (mixing w/BBC) (Park-HI 12/18)

9610 AUSTRALIA 6WF via VLW9 1121 EG, DJ w/New Year's greetings to W.Aus & overseas listeners; ID as "WF" and back to C&W countdown (QRM RRI 9611) (Park-HI 12/31)

9615 PARAGUAY R. Nac. 0005-0050 SP, //9734v, excited sports coverage o/pres'd soccer match, IDs by "color commentator" (Jordan 12/16)

9615 USA KGEI-SF 0923 SP, mx pgm, pop mx orch, 0930 ID, nx (Hankins-PA 12/31) \*0259-0304 SP, ID, anmts, nx, sio 242 (D'Angelo-PA 12/8)

9615 S. AFRICA RSA 0210 EG, wld nx (Levison 12/21) 0240 EG, tx of SAF industry, tourism, etc, pressure gps (Hankins-PA 12/20)

9630 SEYCHELLES FEBA Int. 1500 EG, nx, rel.mx & pgm (Zilmer 12/25)

9630 UAE R. Dubai 1805-1845 AR, prayer chants, mournful solos, mid.E instr., ID's & brf.tx & more of same (Jordan 12/23)

9630nf USA VoA (another NEW FREQ???) (Yes, friends... VoA and RM have enough freq's between them to wipe out the world ten times over... but do you think we'll ever see "Frequency Reduction Talks?"... To quote the poignant John Belushi: "Nooooooo.---ed) 0932 SP, M ann.SP or PT, 0935 mx (Hankins-PA 12/31)

9635t SYRIA R. Damascus 1835-1900 AR, Mid.E vocals, some tx, poss ID at 1848, fol'd by tx & more vocals & instr. (Jordan 12/23)

9640 REP. OF KOREA RK 2225 lang, mx, ID 2240; weak (Field-MI 12/14)

9660 AUSTRALIA ABC-Brisbane 0743-0820 (lang? EG?--ed), gospel mx, to nx at 0800 then EZL mx from 0800 with ID's & TC, fr-poor (12/29) (No name with this one. ---ed)

9660t TURKEY VoT 1815-1830 TK, pres'd TK instr (msly woodwinds) w/ Mid.E wails & chants, OM w/tx; poor (Jordan 12/23)

9660 VENEZUELA R. Rumbos 2344-2348 SP, LAM big band mx, ID (Palmer-WA 12/31) 0100 SP, Big band, TC's; xlt sig-(Thot I had one of the CIA propaganda stns at first) (Dickson 12/30)

9665 AUSTRIA RAUI 1400 EG, nx, cmtry,mx,Austrian SW Panarama //11935 (Zilmer)

9665 INDIA AIR GOS 1902 EG, A.Asian & wld nx, cmtry on "open university" concept; poor sig (Park-HI 12/18)

9670 SAIPAN KYOI 2045-2100 EG, US pops, ID (Alexander-PA 12/15)

9675 PERU R. Del Pacifico 1108, IS, ID: "Transmite RDP, emisora por Christian cultural onda del Peru," into Quechua rel.pgm "La Hora de Manchio" (Smallwood-AL 12/16)

9680 TAIWAN Vo Fr.CH 0115-0200 Mandarin, tx by OM, ment.Taipei, Drama, into SP at 0200, ID;f (Dillon-NC 12/27) ("NC?" No longer "MD?"--ed)

9690 ARGENTINA RAE 0100-0155 EG, nx, sports, financial news, tango mx, travel comments, "Mailbag" program, mx, ID& address before s/off (... a condensation of 7 reporters ---ed)

9695 SWEDEN R. Sweden 2300 EG, Xmas pgm (Green 12/25)

9700 PHILIPPINES FEBC 2230-2325 INDO, IS, ID,tx,mx (Zilmer 1/7)

9700 USA VoA 2037 EG, Jazz pop recordings, nx 2100 (Hankins-PA 1/6) 2112 EG, nx and wld nx (Witzig 12/20)

9705 MEXICO RmxI 0130-0200 SP, instr.mx, spot IDs, fq anmts, clasc mx solo by YL, then poss nx, then to upbeat SP vocals & instr mx //11770,15430 (Jordan 12/15) 0350 SP, EZL semi-clasc mx, Mex mx, cultural tx (Dickson 12/14)

9725 SWITZERLAND SRI 0200 EG, //9885, "Dateline" fol'd by "Economic Week in Switzerland" (White-FL 12/7)

9730 CUBA RHC 0955 SP, Oriental mx, then martial mx (Hankins-PA 12/31)

9735 OMAN RO 1345 AR, tx, mx, vocals, sio 333 (Zilmer 12/27)

9745 IRAQ RBagd. 2100 AR, mx (Green 12/31)

9760 CANADA RCI 2201-2230 EG, Nx Reflections of 1985 (Koeneman 1/1)

9765 TRANSKEI R. Capital 0534-0605, pops,ID,TC;p (12/26) (no name...)

9770 USA WHRI 2102-2257\* EG, rel.pgms & mx (4 reporters)

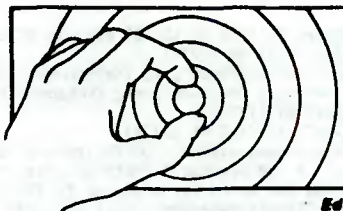
9840 KUWAIT RK 1705-1740 AR, nx seg, martial mx intro to AR instr & vocals, then tx fol'd by loc.mx (Jordan 12/31)

9860 ECUADOR HCJB 0327 SP, chorus, annmts 0330, gospel (Hankins 12/19)

9870 ECUADOR HCJB 0010 EG, wld nx (Levison 12/22) 0230 EG, "DX Party Line" //6230 (Nelson-ND 12/24) 0331 EG, "World of Science" (Hankins-PA 12/19) 0614-0631 EG, Passport, Jerusalem news (Brann 12/26) 0638 EG, "DX Party Line"; g (Nagel-PA 12/22)

9960 CLAND. R. Caiman 0030-0110 SP, SP rock, "Panorama Economico" at 0043, ID 0100, "Hit Parade"; vg (Dillon 12/16) \*0058 SP, US/SP pops, s/off noted 0252 (Alexander-PA 12/29) 0202-0229\* SP, Billy Joel, The Cars, The Chipmunks; f (Gavaras 12/25) 0221 SP, Culture Club, etc (Hankins-PA 12/20) 1304 rel.pgm, sev.ID's, tx, "Hit Parade" (Ervine-TX 1/2) (Ed.note: Do not confuse this stn w/R. "Cayman"--some of you are, and they're not the same)

11940t CLAND. Vot Afghan Fighters 1551-1625\* Pashtu or Dari tx w/occas. "gun fire" snd effect; 1625\* w/Koran, no ID;p (Gavaras 12/25)



# LOG REPORT

## section D

### 11700 and above

Editor: Wallace C. Treibel, 367 N.E. 148 St., Seattle, WA 98165

- 11700 DOMINICAN REPUBLIC R. Clarin in SP 1630-1810, non-stop big band Lam mx, ID 1809, rx, commercials, few announcements (Tuchscherer 12/25, Dickson OH 12/26)
- 11700 FRANCE RFI in SP \*1000, ID, anncd 6055 // Guiana relay, nx, g (Wood HI 12/14)
- 11710 CUBA RHC in EG 0111, tlk on L Ar & Cuba relationships, cinema (Hankins PA 12/23)
- 11715 PHILIPPINES VOA relay in PT 1815, "Hit Parade", nx, f (Park HI 12/2E)
- 11720 LIBERIA VOA relay in EG 0335, nx, "Daybreak Africa", sports, p (Park HI 12/30)
- 11725 SOUTH KOREA RK in PT \*0655, IS, ID, nx 0900, g (Wood HI 12/18)
- 11730 RWANDA DW relay in G\* 0114, //11795, M & W in lang (Hankins PA 12/23)
- 11730 UNITED ARAB EMIRATES R. Dubai in EG \*0330, world nx, f-p (Kester PA 12/19)
- 11735 SWAZILAND TWR in EG/lang 1525, IS, ID, in EG after R. Ned. off (Park HI 12/20)
- 11735 MADAGASCAR RN relay in EG 1447, "Newslines", "Mainstream Asia" (Park HI 12/20)
- 11745 TAIWAN VOFC in KR 2215, tlks, band mx, ID in EG, Xmas mx (Park HI 12/21)
- 11750 SINGAPORE BBC relay in EG 1040, Advent Service fr King's College (Park HI 12/15)
- 11750 ASCENSION IS. BBC relay in EG, press review, nx (Park HI, Hankins PA 12/19)
- 11755 CHINA R. Beijing in EG \*0830, nx, //9700, both g (Wood HI 12/28)
- 11760 BRAZIL R. N. Amazonias in PT 2235, promos, mx, phone-ins, ID (Dickson OH 12/26)
- 11760nf USA WHRI in EG 2300, IS "Onward Christian Soldiers", ID (Ervine TX 12/30)
- 11790 PAKISTAN RP in FR 1720-1730, local mx, ID, off w/anthem (Schulze, W. Germany)
- 11790 INDONESIA VOI in CH \*1000, gamelan mx, ID, nx, g (Wood HI 12/14)
- 11805 BRAZIL R. Globo in PT 0002, excited man w/lets of tlk over mx, p (Park HI 1/4)
- 11815nf? CUBA RHC in SP 2250, Cuban country mx, req for letters, IS, ID (Dickson OH)
- 11820 ASCENSION IS. BBC relay in EG 1849, "BBC Top 20" (Park HI 12/25) also in EG 2128 "London Calling the Falklands", recorded greetings to the Falk. (White FL 11/20)
- 11825 TAIWAN VOFC in VT \*0700, anthem, ID, nx, g but het (Wood HI 1/12)
- 11825 SOCIETY IS. RFO Tahiti in FR 0900, US pop mx, requests, f-g (Wood HI 12/18)
- 11840 CUBA R. Moscow relay in EG 1809, nx and views, exc (Brann MO 12/22)
- 11860 NORWAY RNI in EG 1600, "Norway This Week", nx & views, //9590 (Zilmer NM 1/5)
- 11860 TAIWAN VOFC in SP 0130, Oriental mx, ID 0200 in SP (Field MI 12/19)
- 11860 USSR R. Vilnius in EG 2301, local nx, wx, cmntry, g, ID 2306 (Dickson OH 12/26)
- 11865nf USA WHRI in EG 1957, list of donors, Xmas mx (Nelson ND 12/25) test tape, ID, address, test tones at 2100 (Stuart OK 12/7)
- 11865 INDONESIA RRI in IN \*0600, ID, into warta berita (nx), //11770 (Wood HI 12/9)
- 11865 SEYCHELLES FEBA in EG \*1228, IS, ID, 1230 into Malayalam, drama (Wood HI 12/26)
- 11880 SPAIN REF in EG 0133, tlk on tourist pilgrimage to Can. Is. (Hankins PA 12/23)
- 11890 OMAN R. Oman in AR 0405, mx, tlk of Sultanate of Oman, g (Wood HI 1/13)
- 11910 ECUADOR HCJB in SP 0140, ID 0158, L.Am. mx, into EG 0220 (Hankins PA 12/23)
- 11925 BRAZIL R. Bandeirantes in PT 2350-0205, anncmts, TC, jingles, ballads, pips, nx, 0200, suddenly off 0205 (Paszkievich WI 12/16, Dickson OH 12/26)
- 11945 SPAIN REE in SP \*2300, IS, s/on w/ID, nx, ORM (Prath FL 12/7)
- 11945 FINLAND RF in EG 1400-1425, TC, "Compass North", IS, ID (Dillon MD 12/21)
- 11955 ANGOLA V. of Namibia via RNA in EG 1640, hard-line polit tlk, 1645 into Orambo, same tlk, //9535 which was jammed, g on 11955 (Wood HI 12/17)
- 11955 JAPAN RJ in EG \*0700, ID, IS, into nx, anncd //17810, 5990, g (Wood HI 12/17)
- 11960 ECUADOR HCJB in SP 0257, instrumental mx, ID, TC, nx, p (Park HI 12/30)
- 12050 EGYPT R. Cairo in AR 1620-1645, mideast mx, chants, weils, f (Jordan PA 12/28)
- 12050 USSR R. Moscow (Khabarovsk) in EG 0308, nx, "Outlook", pgm preview (Park HI)
- 13650 NORTH KOREA R. Pyongyang in EG 2345, fgy & sked, IS, ID, f (Zilmer NM 12/15)
- 13690 USSR R. Moscow (xmtr site?) in lang. 1330-1400, IS, ID?, mx, tlks (Jordan PA)
- 13700 USSR R. Moscow in EG 1500-1520, "Soviet way of Life", p (Brann MO 12/1)
- 14670 CANADA CHU Ottawa in EG/FR 2220, time checks by male anncr (Nelson ND 12/23)
- 15105 USA WHRI Indiana 1622-1657\*, gospel mx, many ID's, test xmsn w/req for receipt rpts, skeds, QSY to 15355 past 1700 (Burnell NF 1/5, Brann MO 12/26)
- 15115 PIRATE R. Clandestine 1941-1955 in EG, satirical commercials, ID as "Radio Clandestine - an alternative to humdrum radio", comedy, g (Gavaras 12/25)
- 15115 ECUADOR HCJB in EG 1233-1255, "Happiness Is" pgm (Witzig 12/20)
- 15140 INDIA AIR in AR 0500\*, end Indian mx pgm, nx, summary, ID, g (Wood HI 1/9)
- 15145 USA WINB Red Lion, Pa. in EG 0100, gospel mx, exc (Koeneman 12/15)
- 15150nf NORTH KOREA R. Pyongyang \*0500 in unident lang, f (Gavaras 1/5) in EG 0400-0415, IS, ID, NA, sked for SE Asia, nx, f-g (McLemore FL 1/4)
- 15155 BRAZIL R. Bras \*1800 in EG, nx re Brazil, vg (Burnell NF 1/2)

15160. AUSTRALIA RA in EG 2113, Queen's Xmas message, f (Park HI 12/25) also in EG 0615 "Sports Magazine", interview, //15240, 15315 (Hill MA 12/29)
- 15185 USA WTNB Red Lion, PA in EG 2045, "Southwest Radio Church", ID (Nelson ND 12/23)
- 15195 NETHERLANDS ANTILLES TWR in EG 1411-1706, Handel's "Messiah", exc (McLemore FL)
- 15230 CUBA RHC in SP 2000\*, pgm details?, g (Alpert NY 11/23)
- 15240 AUSTRALIA RA in EG 0615-30, "Sports Magazine", f (Hill MA 12/29)
- 15250 ECUADOR HCJB in RS 2247, in-house relig pgm, gospel singing, EG ID (Park HI 1/1)
- 15260 ASCENSION IS. BBC relay in EG 2132, "Sting", a tlk w/actor G. Matthew (Park HI)
- 15315nf AUSTRALIA RA in FR \*0500-0600\* to Africa, ID, nx, annod fgy adjustmt fr 15320, 0600 into EG, g (Wood HI 12/25) in EG 0615, "Sports Magazine" (Hill MA 12/24)
- 15315 LIBERIA VOA relay in FR 2045, soul mx request pgm, //15195, f (Park HI 12/18)
- 15320 AUSTRALIA RA in EG 0007, nx, ID (Nelson ND 12/24) in EG 0400, nx (Hill MA 12/27)
- 15335 MOROCCO RTV in AR 1652, AR vocal mx to 1700, ID, nx (Thunberg PA 1/7)
- 15345 ARGENTINA RAE in EG 1200-1230, local mx, fgy, request for rpts (Witzig 12/20) also in EG 1652-1900\*, tlk re health care in Argentina, ID (D'Angelo PA 12/26)
- 15350 JAPAN RJ in IN 2226, IS, ID in JP/EG, country & western mx, p (Park HI 1/2)
- 15355 ANTIGUA DW relay in GM 2058-2110, IS, nx, features, mx (Park, Palmer WA 12/22)
- 15355nf USA WHRI Indiana in EG \*1700-1730+, IS, ID, relig pop, Xmas mx (Jordan PA 12/28)
- 15415nf? AUSTRALIA RA in EG 0610, jazz, ID's, TC, f (Hill MA 12/30)
- 15435 UNITED ARAB EMIRATES R. Dubai in EG 0530, fanfare, ID, nx, cmntry (Wood HI 1/5)
- 15440nf IRAQ Sawt ul Jamaheer in AR \*0458 abruptly on in middle of phone call, nx 0500, //17770, 15195, 11790, 11720, all g (Wood HI 12/17)
- 15476 ANTARCTICA R. San Gabriel in SP 2336, ID in SP, FR, & EG, relig pgm at 0015, s/cff 0030 (Slagt, Aruba 12/4)
- 15560 NETHERLANDS ANTILLES RN relay in DT 2127, IS, ID, beam to US/Eur (White FL 12/14)
- 15570 USSR R. Moscow in EG 0025, tlk re So. Africa, nx, g (Dickson OH 12/29)
- 17532 CHINA R. Beijing in CH 0245-0256\*, nonstop classical mx, IS (Park HI 12/24)
- 17595 MOROCCO RTV in AR 1445-1510, Maghrebi mx, ID 1500, world nx (Dillon NC 12/23)
- 17605 NETHERLANDS ANTILLES RN relay in DT 2110, ID, nx, off 2125 (White FL 12/14)
- 17630 ISRAEL Kol Israel in HB? 1430, pop mx, vocals, annmts (Hankins PA 12/18)
- 17675 EGYPT R. Cairo in EG 1310, mailbag pgm, beamed to SE Asia (Hill MA 1/3)
- 17705 UNITED KINGDOM BBC in EG 1544, concert from Royal Albert Hall (White FL 12/15)
- 17710 SINGAPORE BBC relay in EG 0008, "News About Britain", "EG by Radio" (Park HI)
- 17710 BRAZIL VOA relay in SP 0222, mx by Ella Fitzgerald, f (White FL 12/28)
- 17720 FRANCE RFI in FR 1250, rock mx, vocals in FR/EG, ID 1300 (White FL 12/13)
- 17745nf PAKISTAN RP in Gujrati \*0355, IS, 0400 into Qur'an recitation, nx (Wood HI 1/13)
- 17765 MEXICO XERMX in SP \*1955 open carrier, into Mexican Hat Dance 2000 and NA, ID, "Radio Mexico Internacional", fgy (Smallwood AL 12/15)
- 17765 WEST GERMANY DW in EG 1244, African svce, world mx, ID 1248, f (White FL 12/13)
- 17770 NORWAY RNT in EG \*1300, "Norway Today", //15310 (Prath FL 12/15)
- 17770 IRAQ Sawt ul Jamaheer in AR 0800, chimes similar to those of RDP Portugal, into nx, g (Wood HI 12/28)
- 17785 INDIA AIR in Farsi \*0400 IS, ID "Inja Delhi", instrumental mx, g (Wood HI 1/13)
- 17820 CANADA RCI in EG, nx, innovation Canada African svce, f (Koeman 12/16)
- 17850 KUWAIT RK in AR 0500, ID, nx, //17865 & 17895, g (Wood HI 12/17)
- 17860 LIBERIA UN Radio relay in EG/FR/SH 0828, end of "UN Africa", ID (Park HI 12/11)
- 21485 MADAGASCAR RN relay in EG \*0655, IS, ID, nx, features, into DT 0730 (Wood HI)
- 21685 FRANCE RFI in FR 1956-2003, mx with M annr (Hankins PA 11/26)
- 21745 PORTUGAL R. Free Europe/Liberty in lang 1648-1650, US pop mx (Brann MD 12/10)

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A few of the loggings were repeats of items published last month and thus were not relisted this month. Please refer to the January issue for a comprehensive update. Thanks to those contributors who took the trouble to arrange their loggings in frequency order and banded them together. That is a big help in sorting the many slips received each time. It's good to receive log reports once again from Dr. Richard Wood on Hawaii who I had the good fortune to visit in early December. He has a fantastic antenna setup and pulls in rare DX on a regular basis. I'm glad to see that he is taking some time off from his MW DX activity in order to give us the benefit of his SWL experience as well. Thanks also to all others who contributed this month.

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Brian ALEXANDER, Mechanicsburg, PA.; Kirk ALLEN, Ponca City, OK.(NRD515); David ALPERT, New York, NY.(R71/SPR4); Kevin ATKINS, Pinson,AL.(R70/R390A/CR2021); Norman BOBB, Minneapolis,MN.(R1000); Dustin BRANN, Kansas City,MO.(ICF2002); Ralph BOWDEN, Mentone,CA.(FRG7700); DR. Jean BURNELL, St.Johns, Newfoundland,Canada,(RACAL RA-17C); Richard D'ANGELO, Wyomissing, PA.(R70); Tom DALY, Pomona, NY.(NRD515/CR2021); Richard DICKSON, Goshen,OH.(DX302/XCR30/FRG8800); Peter DILLON, Columbia,MD.(DX400); Jerry ERVINE, Hidalgo,TX.(ICF2001) Marlin A. FIELD, Hillsdale,MI.(SPR4); Tom GAVARAS, Minnetonka, MN.(R70); Jerry GREEN, Maryville,TN.(FRG7700); Arthur HANKINS, Greensburg,PA.(R1000); Ken HILL, Somerville, MA.(DX1000/ICF2010); Brian JONES, San Antonio, TX.(R70); Rufus JORDAN, Pittsburgh, PA.(DX302/ Trans.Oceanic); William A. KESTER, West Chester, PA.(RF4900/ICF2010); Kevin J. KLEIN, Appleton, WI.; Jack KOENEMAN, Virginia Beach, VA.(FRG8800); Harold LEVISON, Philadelphia, PA.(R70); Abe LEWKOWICZ, So.Weymouth,MA.(R2000/FRG7000/SPR4); Travis McLEMORE, Clearwater, FL.(FRG-7); Mike MAGICK, Glendale,AZ.(R70); Cathy MOORE, Madison,WI.(R71); Don MOMAN, Sherwood Park,Alberta, Canada,(R71);John MOSMAN, Champaign,IL.(R2000/FRG7); Bill MUZYKA, Woodside,NY.(RF4900); Scott NELSON, Parshall,ND,(ICF6500W/HQ100); Andrew O'BRIEN, Alden, NY.(R2000); Robert PALMER, Spokane,\* WA.(R71)Dale PARK, Honolulu,HI,(ICF6700W); Sheryl PASZKIEWICZ, Manitowoc,WI.,(NRD515), Bill PLUM, Flemington, NJ.(FRG7700); John PRATH, Ft. Lauderdale, FL.(R71/FRG7000/FRG7); Ronald PURSUE, Byron,MN.,(DX300); Christos RIGAS, Chicago,IL.(R2000/ICF2002); Lin ROBERTSON, SanDiego,CA.(R70); Rolan SCHULZE Stuttgart,West Germany,(R4C/SPR4/R70); Bryan SHARPE, Castro Valley, CA.(DX302 /DX400); Raymond SLAGT, Aruba, West Indies.; James SMALLWOOD, Maxwell AFB,AL.(RF2800); Jerry STUART, Lawton,OK.(FRG7/SX190); Bob THUNBERG, DuBois,PA.(R1000/CR2021); Ron TROTTO, St.Cloud,FL.(CR2021); John D. TUCHSCHERER, Neenah,WI.,(R70/FRG7700); George VADINO, Bellevue,WA.(R71); Dave VALKO, Donlon,PA.(FRG7/R388); Robert VANCE, Colorado Springs,CO.(FRG7/R390A); Eric WITZIG, Annandale, VA.(R1000); Robert ZILMER, Rio Rancho,NM.,(R1000)

\*\*\*\*\*  
WOW !!!!! 54 Contributors this month. By far the best month that I have daferdared to ever expect. Many thanks to my regulars of course and a hardy welcome to all the new members who have helped to make this months column so long hi. Not much room left to say too much more. Hope this is the start of things to come in the furture.

Very Best;

# YOU ARE CORDIALLY INVITED

TO PARTICIPATE IN A NEW SHORTWAVE ADVENTURE.

NASWA & KCBI ARE TEAMING UP FOR RADIO CONNECTION  
AND

## WE NEED YOUR INPUT

YOU KNOW WHAT MAKES A DX PROGRAM WORK. NOW'S YOUR CHANCE TO *STRUT YOUR STUFF* ON THE RADIO BY PRODUCING YOUR OWN RADIO SEGMENT TO BE AIRED ON KCBI. THREE MINUTES, ON CASSETTE, IS ALL WE NEED. EQUIPMENT REVIEWS, PROGRAM REVIEWS, STATION BROADCAST PROFILES-- YOU NAME IT-- IF IT IS BROADCAST RELATED, WE NEED IT!!

### FOR MORE INFO CONTACT:

NICK PAPPAS  
8570 CEDAR COVE DRIVE  
ORLANDO, FLORIDA 32819  
(305) 351-4520



## UNIVERSAL SHORTWAVE RADIO

1280 Aida Drive  
Reynoldsburg, Ohio 43068  
Phone: 614-866-4267

### P R E S S   R E L E A S E

In the tradition of offering the finest and most advanced equipment for the listener, Universal Shortwave is pleased to announce the introduction of the Info-Tech M-6000 Multi-Mode Code Receiver. This exceptionally powerful demodulator offers a host of new features and capabilities never available before to the RTTY listener.

- The M-6000 is the first to offer ...  
Reception of Time Division Multiplex (TDM-Moore).  
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- The M-6000 is the first to offer ...  
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- The M-6000 is the first to offer ...  
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Tunes the mark and space automatically and displays the approximate shift on the status line!
- The M-6000 is the first to offer ...  
User selectable initialization format. You program the device to power-up with the settings you use most!
- The M-6000 is the first to offer ...  
Complete remote control capability from terminal or computer.

Other new features include HI Tone/LOW Tone, 1050 & 1800 Baud ASCII, 85 and 1200 Hz shifts, six new ASCII shifts, 3 position AGC, three user selectable RTTY alphabets, three new LED indicators ... Data, Tuning Error & Date Error. Additional refinements include ATC, UOS, Bit-Inversion, speed readout, status line in reverse video, and scope output. Printer output includes loop, RS-232 Serial and parallel printer. For additional features please refer to the enclosed specification sheets. For more information on Time Division Multiplex please refer to the enclosed copy of **THE RTTY LISTENER**. The Info-Tech M-6000 is available for immediate delivery from Universal Shortwave. Price: \$849.95 (+ \$11.00 shipping in USA).

Fred Osterman  
Universal Shortwave Radio  
January 13, 1986

encs.

Universal Shortwave Radio Research - Communications Publications for the Active Listener  
Universal Amateur Radio, Inc. - Serving Amateurs Worldwide for Over 35 Years  
Universal Shortwave Radio - Quality Monitoring Equipment

# product preview

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United Northwest Inland DX'er

NEWS RELEASE      NEWS RELEASE      NEWS RELEASE

UNID is happy to announce we have established our awards program. We have awards to catch the interest of any DX'er or SWL (including utility buffs). "Aero Award", "Program Listener Award", and "DX Peditioner Award" are three examples. UNID offers a total of twelve awards at this time. All UNID awards are colorful 8 1/2 x 11 very suitable for framing. QSL letters or verification cards are not required. Complete detailed logs can be used to qualify for the awards. Send SASE and \$1.00 US currency (or three IRC's) for complete rules package. Write to: UNID AWARDS; c/o Gary Stone; East 603 Empire; Spokane, Washington 99207 USA

NEWS RELEASE

NEWS RELEASE



## **RADIO WEST**

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NEWS RELEASE!

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Your Name	
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City Providence	
Postal Code	Country
Tape #: _____	Side: _____
Date: _____	Time: _____
Contents of Tape: _____	
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FOR A COMPLETE LISTING OF ALL NRC PRODUCTS  
SEND 50 CENTS FOR A CATALOG  
WRITE TO THE ABOVE ADDRESS



Fill out the lines below EXACTLY the way you want it to appear on your Custom Made Label. Use Upper or Lower Case lettering. You may use line 2 for your HAM &/or DX Call. Photocopy form if ordering more than one design.

+++MINIMUM ORDER IS 100 LABELS PER ORDER+++  
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**HAP BID ITEMS: #569:Radio Beijing "Purple Tiger" paper cut(4x4")m/c-beauty: #570:Radio Beijing "Orange Tiger" paper cut(4x4")m/c-beauty: #571:Radio Beijing "Red Tiger" paper cut(4x4")m/c-beauty:#572:Radio Beijing "Yellow Tiger" paper cut(4x4")m/c-beauty:#573:Voice of Vietnam paper pennant(2.5x6")m/c-very good looking:#574:KOME T-Shirt(S)black,yellow.#575:WLUP T-Shirt(S) white,blue.#576:CBC-740 T-Shirt(S)white,blue.#577:CKWS T-Shirt(S)red,B&W.#578:Radio Caroline(New Zealand)sticker(2.5x6")m/c.#579:Metro Radio(UK) "Owl" pen,red,B&W.#580:Radio Forth(Scotland)pen,black,orange.#581:CKGY pen, black,brown-very nice:#582:CHRD pen,red,white.#583:FM-96(Canada)station pen red,white.#584:CJLM station pen,red,white.#585:4XD Dunedin Radio(New Zealand)sticker(2x8.5")black,orange.#586:Radio Bucharest key chain,m/c-nice: #587:BBC Radio Humber(England)key chain,green,B&W.#588:Radio Budapest key chain,silver,black.#589:Radio Beijing "Stars/Sun"cloth pennant(6x11.5")m/c beauty: #590:Radio Beijing "Great Wall/Buildings"cloth pennant,green,red, white(6x11.5").#591:Radio Beijing large cloth bag,blue,white-a beautiful item:::#592:Radio Beijing note/address book,black.#593:#593:6WF(Australia) cloth arm patch(2x3")orange,white,blue.#594:KFIZ "Brewers"sticker(3x11.5") blue,white,yellow.#595:KWAC sticker in Spanish(3x12")red,yellow.#596:KTAR "Arizona State Univ."sticker(3x11")red,orange.#597:KDKA sticker(3,5x11.5")m/c.#598:BBC metal key chain,black,silver-beautiful:#599:CKLA razor,orange, B&W.#600:Radio Korea "Wedding Day" sticker(4.5"cir)m/c.#601:ERF(FRG)sticker (5"cir)m/c-nice.#602:Bay City Radio(New Zealand)reflective sticker(5"cir) white,brown,gold.#603:5DN(Australia)sticker(2x7.5")blue,white.#604:2NZ(New Zealand)sticker(2x8.5")green,B&W.#605:2NE sticker(3x8.5")red,white,blue. #606:CILA(Canada)sticker,odd shaped,blue,yellow.#607:Radio Korea "Marching Band"cloth pennant(5x9")m/c-very good looking:#608:Radio Vatican First Day Cover w/ postage stamp-very nice for collection or framing:#609:4ZA Radio Southland(New Zealand)key chain,B&W-very sharp looking:#610:CKLA station razor,orange,B&W.#611:Radio Praha station pin,red,silver.#612:2NR(Australia) sticker(4x4")orange,B&W.#613:CHIN sticker(3x5.5")m/c.#614:WPLJ T-Shirt(M) B&W-sharp:#615:KX-106.5 T-Shirt(M)m/c in Spanish:#616:CHOW T-Shirt(M)blue, white,yellow.#617:WRCK T-Shirt(M)yellow,blue,white.#618:WPLJ T-Shirt(M)gray, white.#619:Radio Peking "Chingang Mtns."paper pennant(5.5x10.5")m/c.#620: Radio Peking "Mtn. Village" paper pennant(5.5x10.5")m/c.#621:Radio Peking "Yenan"paper pennant(5.5x10.5")m/c-beauty:#622:Radio Peking "Tien An Men" paper pennant(5.5x10.5")m/c.#623:Radio Beijing "Montage"cloth pennant(6x 10.5")m/c-very nice:#624:7ZR(Australia)sticker(2x10")red,blue,yellow.#625: KHTR sticker(3x11")red,white,yellow.#626:CHOW sticker(4.5x8")yellow,white, blue.#627:KTGR sticker(4x8")red,black,yellow.#628:4ZA odd shaped sticker, m/c-very nice:#629:Radio Capodistria(Yugoslavia) First Day Cover w/ postage stamp-very nice:#630:Radio Koper-Capodistria cloth pennant(5x8.5")red,white, blue-very good looking:#631:Radio Cap-Koper sticker(4x6")m/c-beauty:#632: Radio Cap-Koper QSL card(4x6")blue,yellow.#633:YU3DTV QSL card(3.5x5.5") red,white,blue.#634:Radio West(UK)station pen,red,white,blue.#635:Radiotele- vizija Ljubljana(Yugoslavia)station pin,red,white,blue-great:#636:WRTH 1985 mint condition:#637:Radio Zambana(Italy)sticker(3x4")red,B&W.#638:Radio 2 (France)sticker(3x5.5")red,B&W.#639:BBC Radio One(UK) match book,red,white, blue.#640:WAAX plastic ID card,m/c.#641:CKXL golf tee,red,yellow.#642:CKKW 25th anniversary sticker(2"cir)gold.#643:Radio Nacional de Venezuela decal (3"cir)m/c.#644:KVQO station whistle,yellow,black.#645:Radio Cap-Koper pin, red,yellow.#646:CJXX sticker(5"cir)black,yellow.#647:KWHU sticker(3x11") white,green.#648:Sudfunk 4(FRG)sticker(4"cir)yellow,green.#649:ABC-TV(Austra- lia)sticker(2x5")blue,white.#650:DLF(FRG)sticker,odd shaped,m/c.#651:CHIN sticker(3.5"cir)m/c.#652:Radio Beijing reflective sticker(3.5"cir)silver, blue.#653:CKFM station pen,silver,blue.#654:Radio Bremen sticker(3x3.5") blue,white.#655:CKWM clip-on,brown,orange.#656:Spectrum world Broadcasting (UK)paper pennant(3.5x7.5")black,orange.#657:RFI bag tag,blue,white.#658: WJGS key chain,blue,white.**

**ADDRESS:** Send your bids and orders for direct sale items to: Sam Barto, 47 Prospect Place, Bristol, CT 06010 USA

**HAP DIRECT SALE ITEMS:** The following stickers/decals are available for \$.25 each or any five (5) for \$1.00. New since last issue:Radio Mallam(large)(small),KRBC,CKPG,Signal Radio,WJCV, CKEC,Viking Radio,Red Rose Radio,Radio Lancashire,CFRN,CKUA,KATT,Radio RSA,Radio Populare, WYFR,Radio Tees,Deutsche Welle(EG),KNUU,WINK,Radio Humber(England),Radio Faze,Q-93,97-rock,KZEU, Mercia Sound,Radio Luna,South Coast Radio,ERF-TV,CFGO,CFOR,CKLC,KACC,CFRY,CJBB,CJET,KRBE (rock),CJBY,CKUE,CKPR,CJRT,CJCL,CJSB,FM-108,Radio Peter Flowers,Radio Luna(DC),CKQM,CKTA, CKWS,CKPT,CKKN,CHCC,CKCO-TV,WPCF,NOWI(large)(small)(music),CFOS. We also have CTRK(large)(small),KHCB,CFCN,CBC,CKRY,6WF,WLIZ,UXQR(large)(small),2ZW,KSEI,KKYY,KQUE,WYYX,KNPA(large)(small),FM-105,96-rocks,ANARC(large)(small),WQMR,WABD,WAAX,KROY,KEY-103,WLUP(large)(small)(cir.),KITS(large)(small),WAPP,KBUK,WFKB,KOA,KVPR,WCAU,KLOL(large)(small),WNOR,Q-107,KYYX,

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update

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