

# FRENDX



Radiodifusoras  
**ALTIPLANO**



**RADIO "SANTA CRUZ"**  
LA VOZ DE LA TIERRA CAMBA  
980 KC/S. Y 6136 KCS. ONDA CORTA  
\*Anual Ignacio Solvatore No 240 - Teléfono 3-3000 - Casilla 872  
SANTA CRUZ BOLIVIA  
\*25 Años Al Servicio De Santa Cruz\*



**RADIO LLIMANI**  
ondas media  
corta y FM

*Radio*  
**FIDES**

TU RADIO



**RADIO NUESTRA AMERICA**



**REB**  
RADIO EMISORAS BOLIVIA  
14 ANIVERSARIO  
17-XII-68

CF 44-5-1182 9140  
ONDA CORTA 9140  
MEDIA 1450  
FM 102.5 MHz  
FM 102.5 MHz



**RADIO LA CRUZ DEL SUR**  
TELEFONO 50539 - CAJON 1408 - LA PAZ - BOLIVIA

**RADIO Panamericana**  
97 Mgs. F.M. - 580 Kcs. Q.M. - 6105 Kcs. Q.C.

Promoción Popular para la Chiquitana  
**RADIO "JUAN XXIII"**  
San Ignacio de Velasco  
Dpto. SANTA CRUZ - BOLIVIA



# **EDXC 87**

## **CONFERENCE**

**21st Annual Meeting of the European DX Council**

**5th — 8th June 1987 Helsinki Finland**

### **INVITATION**

We have the pleasure to invite you to celebrate the 20th Anniversary of the European DX Council with us at EDXC87 in the Helsinki area on June 5-8th, 1987. This conference will be a spectacular event, the largest DX conference ever, combining the best and most popular features of EDXC conferences and Finnish DX Association summer meetings over the past 20 years.

We offer you a unique DX meeting, a chance to meet old friends and get new ones, to exchange ideas and learn from other fellow hobbyists. The high-class hotel in beautiful surroundings and with ample recreational facilities helps you enjoy your stay in the midst of the beautiful Finnish summer even more.

The registration fee, only FIM 700 (double room) or FIM 950 (single room) per person, includes both accomodation and meals. Send your paid registration no later than April 20th, or write for further information, to

**EDXC 87**  
**P.O. Box 454**  
**00101 HELSINKI**  
**Finland**



# Contact

Editor:

Stephen G. Moye  
178 Bartlett Ave.  
Cranston, RI 02905

[401] 941-6497

We had a very light turnout in the mailbox this month. As usual I am going to assume that all of you are so glued to your radios that you have not been able to tear yourself away from the Mighty Superheterodyne to write a letter. If that's the case, I forgive you.

Two letters did arrive, however. The first is from *Mike Nikolich* (Arlington Heights, Illinois) and he raises an interesting point:

My Christmas didn't bring me a new receiver or any QSLs of note. Instead, I enjoyed a bout with the Taiwan flu, and then gave my wife Susan a sample of it for about eight days, as well. I did note a signal from Zanzibar throughout the time I was off at Christmas, but still not enough to send them a report.

Scanning through the last several issues of *FRENDX*, I note (with great concern) that support seems to be dwindling. Of course, I shouldn't talk because I haven't supported the club much lately, but I wonder if people either aren't interested in the hobby anymore, or if they simply aren't hearing anything worth reporting to the the club [I wonder if miserable propagation isn't to blame, at least in part -- sgm].

To spark interest, maybe we should take advantage of the power of the computer to set up a *NASWA* database that is directly linked to the Central Distribution Editor. I would be willing to contribute to a fund to purchase a computer, modem, and software for the Central Distribution Editor that could be used to send in the loggings. Maybe, if *NASWA* had an active database, slugs like me would be more interested in sharing their logs. Since many of us already own computers, I'll be interested to see how the membership responds to this proposal. An active database certainly would be a faster and more efficient way to send loggings to *NASWA* editors. --73.

Mike Magick's letter about a very reasonably priced and easily obtainable weekly source of information about India prompted this letter from *Shawn Duncan* (Olive Branch, Illinois):

...I'm a new member of *NASWA*. I was reading your article in *CONTACT*, January 87. I saw the letter from Mike Magick about the newspaper. I just received a QSL from Radio Moscow and in included a newspaper, in English, called *Moscow News*. It is a weekly newspaper of the Union of Soviet Societies for Friendship and Cultural Relations with Foreign Countries. I don't know as yet what the cost for a subscription is, but I thought other *NASWA*ers would like to get a subscription. A list of places to purchase a subscription in Canada is enclosed:

1] Progress Books, 71 Bathurst St. 3rd Floor Toronto,  
Ontario, Canada M5V 2P6

2] Ukrainska Knyga, 962 Bloor St. West, Toronto, Ontario,  
Canada M6H 1L6

3] Librarie Nouvelles Frontieres Inc., 185 Rue Ontario est,  
Montreal, P.Q., Canada H2X 1H5

4] Northern Book House, P.O. Box 1000, Gravenhurst,  
Ontario, Canada P0C 1G0

5] Troyka, Ltd., 799 College St., Toronto, Ontario, Canada  
M6G 1C7

6] Periodica Inc., 1155 Avenue Ducharme, Outremont,  
P.Q., Canada H2V 1E2

I hope that some of you will follow up on this tip and report on what you find.

## Contact Notes

The season of catalogues is upon us: I have received no less than three -- very fine, and very tempting they are indeed. (The order in which they are given here is merely that in which I received them.)

From **Universal Shortwave** [1280 Aida Drive, Reynoldsburg, Ohio, 43068; (614)-866-4267] comes one of the biggest and most complete SWL catalogues I have ever seen -- 76+ pages. Just about any piece of equipment you could think of -- receivers; antennas of all kinds; RTTY, CW, and facsimile equipment; books; cable and connectors; etc., etc., etc... In fact, this catalogue is as much a work of reference as anything else. Fred Osterman has also apparently gone to much trouble to see to it that the product descriptions are as accurate and informative as possible. The catalogue costs \$1.00. (A separate scanner catalogue is also available.) Orders only can be placed by calling (800)-431-3939

A new catalogue from **Grove Enterprises** [P.O. Box 98, Brasstown, North Carolina 28902; (704)-837-9200; orders only can be placed by calling (800)-438-8155] lists a lot of interesting things in its 36 pages: a number of receivers (including scanners); antennas and antenna add-ons such as tuners and preamplifiers; books, with many written and/or published by Bob Grove. Of particular interest is the offering of FCC and FAA microfiche frequency listings -- a microfiche reader is also offered. The catalogue is free.

Finally, an excellent catalogue from **Electronic Equipment Bank** [516 Mill Street N.E., Vienna, Virginia 22180; (703)-938-3350; for orders only call (800)-368-3270]. Numerous receivers (including scanners) are listed. EEB has made something of a specialty out of ICOM products and provides a full range of services and modification options (none of which endanger the ICOM warranty because EEB is an ICOM-authorized service center). All kinds of accessories -- antennas and tuners, books, clocks, RTTY and CW materials, audio filters -- are included in this catalogue. The cost of the catalogue is \$1.00.

I was delighted to receive a letter from Larry Magne (Radio Database International, International Broadcasting Services, Ltd.) along with a selection of RDI White Papers -- excellent and thorough reviews of SW receivers:

"... These reports are meant to supplement the annual RDI reviews. The RDI's 'Buyer's Guide' section covers, after all, some fifty models, but with limited depth. If somebody has narrowed his choice down to, say, two models, and wants as many

details on these two before he goes out and makes a purchase, he can obtain just those two RDI White Papers he needs.

"By the way, as concerns the 'Bookshelf' section of your December column, may I make a few small corrections. First, I am not doing the WRTH reviews, at least as of the 1987 edition. Additionally, that 1987 WRTH, even though widely advertised as being 600 pages, is actually to be more like 570 pages. Both of these points have been public knowledge for some time, but for whatever reason -- presumably inertia -- the pre-1987 situation continues to receive widespread publicity.

"Second, the 1987 RDI is not 'organized entirely by frequency.' Mainly, yes; entirely, no. We added a by-country, by-broadcaster cross-index as one of our improvements for 1987."

My apologies most particularly for not pointing out the cross-index of RDI 1987 -- this is a very valuable feature. In any event, the RDI White Papers are superb and ought to be consulted by anyone about to purchase a receiver. The following White Papers have been released thus far (edition numbers appear in parentheses):

- How to interpret Receiver Specifications and Lab Tests (1.11) [This ought to required reading for every SWL.]
- RDI Evaluates the Grundig Satellit Receiver (1.0)
- RDI Evaluates the ICOM IC-R71 Receiver (1.0)
- RDI Evaluates the Japan Radio NRD-93 Receiver (1.0)
- RDI Evaluates the Japan Radio NRD-525 Receiver (1.1)
- RDI Evaluates the Lowe HF-125 Receiver (to be released mid-1987)
- RDI Evaluates the Sony ICF-2010/ICF-2001D Receiver (1.1)
- RDI Evaluates the Ten-Tec RX-325 Receiver (1.0)
- RDI Evaluates the Trio-Kenwood R-5000 Receiver (to be released 2/87)
- RDI Evaluates the Yaesu FRG-8800 Receiver (1.0)

Each RDI White Paper is US\$4.00 postpaid/first class within North America (Pennsylvania residents only, please add 6% sales tax) , US\$6.00 elsewhere. RDI White Papers are available from participating RADIO DATABASE INTERNATIONAL dealers worldwide. If they are not available from your dealer, you may also order them direct: RDI White Papers, Box 300, Penns Park, Pennsylvania 18943, USA.

For those of you who are interested in such things, I would like to point out that this month's CONTACT was prepared on a desktop publishing program called MacPublisherII (v.2.69) from Boston Software Publishers Incorporated. It is a very flexible and extremely well thought-out program and well worth considering if you need something of the sort. It is, at \$195, the most reasonably priced program of its kind on the market. The font is 12-point Palatino, and was printed on an Apple LaserWriter Plus. Next month's CONTACT will be prepared on Aldus PageMaker1.2, and April's column will be prepared on Microsoft Word 3.0; by that time PageMaker2.0 should be available for comparison.

Well, that's it for this month. If you get a moment, and something occurs to you that we ought to know about, or might like to hear about, drop us a line. Next month, a list of topics we could tackle in future CONTACT columns. Until then, many 73s --

*The graphic at the right is taken from MacPublisher II, and is a reproduction of a logc used by Gutenberg.*





# Easy Listening

Editor: Alex Batman, 4618 Alvin Dark, Apt. 34, Baton Rouge, LA 70820

## SUNDAY

1435-1500: "Shortwave Feedback" (Radio Korea). Radio Korea's mailbag program featuring letters from a world wide audience. Unlike most mailbag programs which feature a man and woman host, this program features two women, one Korean, one British. Show also features interviews with visitors to the studio and those otherwise involved in shortwave or some other related human interest. (9.750/15.575. Repeated at 0035 on 15.575).

1620v-1630v: "Latin American Notes" (Radio France International). I'm not exactly sure what a program on Latin America is doing on a French station broadcasting to Africa, but there it is. This weekly program features brief items of Latin American news and Latin American human interest. (11.705/15.315)

## MONDAY

0110-0125: "Outlook" (Radio Moscow). A daily program of news and editorial comments. Past programs have featured the cease fire in Afghanistan, American violations of the SALT II agreement, SDI deployment, etc. It helps to keep in mind when listening to this program that the U.S. wants war and the USSR wants peace (but if you can't remember that, they'll remind you.) (5.915/7.115/7.315.) Monday--Friday.

0145-0150: "Program Review" (Radio Prague). A brief look at the program coming up on Radio Prague in the coming week, taken on a day by day basis starting with Tuesday's program. Usually they only mention the regularly featured programs, but occasionally they mention special features. Usually closes with a Czech pop song. (5.930/7.345/9.740/11.990. Repeated at 0345 on the same frequencies).

## TUESDAY

0135-0145: "Youth Magazine" (Radio Prague). A program devoted to young people in Czechoslovakia and world wide, their interests and concerns. Past programs have featured interview with Czechoslovakian teen-agers, delegates to the World International Student Forum, and president of the Czechoslovakian Union of Students. (5.930/7.345/9.740/11.990. Repeated at 0335 on the same frequencies).

0305-0325: "The Traders" (Radio Nederlands). This is a new feature of Radio Nederlands and has had only two broadcasts so far (3 or 4 by the time you read this). It concentrates on various industries in Holland, but not the predictable ones. The first program featured the Dutch recording industry, and the second the Dutch Convention industry. (6.020/6.165/9.590/ 9.895. Repeated at 0605 on 6.165/9.715)

## WEDNESDAY

1240-1255: "Interaction" (Radio Australia). This is a program that features issues in a "multi-cultural" Australia. Past programs

have featured the problems of the adolescent children of immigrants, church groups that help immigrants adjust to life in Australia, and they are currently doing a series of programs on the homeless in Australia. (5.995/6.060/9.580/9.770).

0110-0200: "Report to the Americas" (VOA). This program tends to concentrate on depth analysis of news items of interest to North, Central and South America. Past programs have featured the capture of Eugene Hassenfus in Nicaragua, the Contra-gate scandal, efforts to rebuild Mexico's economy, the change in the Trinidad/Tobago constitution, etc. Wednesday night also features "Mid-Week Sports Report". (5.995/6.130/9.455/9.650/11.740) Monday-Friday.

#### THURSDAY

2240-2245: "News of the Jewish World" (Kol Israel). A brief summary of items of news about the Jewish community world wide, including news of the refusniks in the USSR, the outbreak of anti-Semitism in Romania, and other items that would be of interest to a world wide Jewish audience. (5.885/7.465/9.435. Repeated at 0115 on the same frequencies).

0140-0150: "DX-ers Special" (RAE). There's not much discussion of issues and topics relating to DXing and shortwave radio in general, but there's an awful lot of DX tips. In fact, the program seems exclusively composed of DX tips gleaned from various publications, a different publication for each program. Very good for South American DX. (9.690/11.710. Repeated at 0440 on the same frequencies).

#### FRIDAY

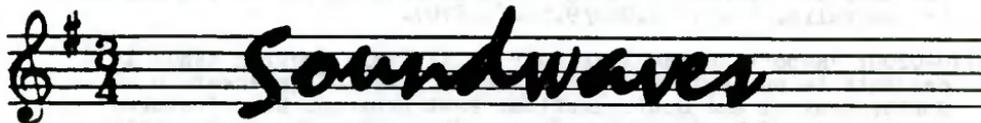
2030-2130: "Science in Action" (BBC). A weekly review of current issues and topics in science, as well as some recent experiments. Program seems heavily oriented towards medical research, but other topics (such as the world's highest underground railway in Switzerland or a new radio telescope) also get their fair share of coverage. (15.260)

2130-2200: "Folk Box"(Radio Moscow). Each week features folk music played on native instruments from different republics of the USSR. Some weeks also feature special kinds of celebrational songs from a variety of different republics, such as wedding songs or, more recently, new year's songs. (11.840).

#### SATURDAY

1620v-1625v: "Focus on France" (Radio France International). A brief spotlight on the main events of the week concerning France. Past programs have featured the student demonstrations of a couple of months ago, the more recent transportation strike, and fighting in Chad. (11.705/15.315)

0200-0210: "Sports in Brazil" (Radiobras). Not a weekly scoreboard, but a more in depth look at the role of Sports in the country. Past programs have featured what the Brazilian soccer players were doing for the Christmas vacations, a look back at the year in football in Brazil and the competition for the national championships, the Pele Cup competition being held in Brazil, and even some amateur sports, such as white-water rafting. (11.745).



# Soundwaves

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

**330** You're probably thinking, "Can't this guy do ONE column without mentioning some BBC program?" I often wonder myself. It still remains, though, that the British Broadcasting Corporation is THE leading HF broadcaster when it comes to music, news, and cultural programming. And, it just so happens that it's my job, so to speak, to remind everybody about this fact.

The British Broadcasting Corporation is an enormous enterprise, with about 29,000 employees (3,000 of which are involved in the external service). It is neither government controlled nor commercial. It's a public non-profit operation, chartered by the British government, founded in 1922 to replace the short lived private commercial British Broadcasting Company. Similar to American radio beginnings, the Company was started by several radio manufacturers to provide programs for potential consumers, hoping that this would increase radio sales. (In the U.S., radio station KDKA was founded by Westinghouse in 1920 in order to create a demand for their radios). The British government wished to prevent radio in that country from mirroring the United States' progression into almost total commercialization of broadcasting. Their answer was to create a public corporation to handle the administration of the countries radio operations; in 1927, Company was dropped from the name and Corporation was added.

The BBC's control over broadcasting is more or less paternalistic, in that the government has no outright control over program content other than determining which languages and target areas are to be utilized for external broadcasts; but, it is still required that national interests be considered when planning programs which may be regarded as sensitive in respect to government policy. In one recent instance, for example, the government put pressure on the BBC to stop the transmission of a 1985 interview with Irish Republican Army leader Martin McGuinness. The program was cancelled, resulting in a 24-hour strike on the part of the entire BBC staff. Still, the BBC is regarded throughout the world as a paragon of free journalism.

The BBC's finance costs are paid for by the collection of licensing fees from its viewers, (television license revenues in 1983/1984 was 702 million pounds; licenses for radio were abolished in 1971), as well as from the profits derived from BBC Enterprises (which among other activities markets more than 10,000 hours of programs each year internationally), BBC Publications (such as Radio Times and London Calling, as well as computer software), and educational broadcasting efforts. It was my intention to also discuss the **BBC Monitoring Service**; however, the 1987 World Radio IV Handbook includes an exceptional feature article on it. Author Henry Pavlovich does such a fantastic and thorough job detailing the Service's operations and history that I would be foolish to try to add to it. I put this article on my list of required reading, as it expounds the importance of shortwave broadcasting and monitoring as a means of gathering information from closed nations, information that would otherwise be unavailable to the outside world.

Domestically, the BBC controls four national radio networks, carried on both MW and FM. **Radio 1** is devoted to pop/rock music; **Radio 2** leans more towards middle-of-the-road type stuff, "minority musical interests", and sports; **Radio 3** broadcasts serious cultural programming, i.e. classical music, drama, poetry, and fine arts; and **Radio 4** is strictly a talk-radio service providing news and current

events programs, magazine formats, entertainment shows, etc. In addition to these national radio programs, there are a number of localized MW and FM stations throughout the country.

The foreign service can be traced back to the early 1930's. The BBC Empire Service, as it was known, began in 1932 with English language programs directed to overseas listeners, mainly in the various nations of the British Commonwealth. Foreign language programming were initiated in 1938 with the Arabic Service targeted to the mid-east, and the Latin American Service in Spanish and Portuguese. Other languages were also added that year, particularly German, Italian, and French. Gradually, other English language services were added, including a European Service and a number of regionally targeted programs. Eventually, of these were combined to form the World Service, the main English program which operates round-the-clock to every imaginable target area. By the end of World War II the BBC had grown from eight to 45 language services.

Today, the External Service of the BBC broadcasts 4,165 hours each week (according to Radio Database International) to overseas audiences. The World Service is basically a combination of all four domestic radio services, offering the some of best programs from each, but placing a greater emphasis on news and current events. As of January 1985, the BBC World Service offered 202.5 hours of English language programs per week (BBC statistic) to its estimated 100 million weekly listeners. It is by far the most listened to international broadcaster on Earth. Although shortwave broadcasting is its principle means of transmission, longwave and mediumwave frequencies are also used for European coverage (200 kHz LW & 648/1296 kHz MW). In addition to reaching the world through its own broadcasting efforts, the BBC also supplies material for rebroadcasting to about 50 different countries.

By now you're probably wondering what my point is. Actually, I just wanted to tell everyone about another good jazz program on the shortwave bands (namely BBC's *Jazz Score*), when I began thinking that I find myself listening to the BBC more than local FM & television stations lately. Until the past few years, SW listening had always been more of a hobby to me than a means of information gathering. The entertainment I enjoyed wasn't really hearing the programming itself, but rather the actual fact of hearing a DX station's signal, of pulling a low power domestic station out of the static down on 60, staying up 'til the wee hours looking for new Africans or Latins to add to my list...you know the symptoms.

Now, when I get home from work or from school, instead of throwing on the tube, I throw on the shortwave. This in part stems from the fact that, aside from the New York Times, I have no real access to thorough, in-depth international news except for shortwave. As a student of politics I find that need sources of news and information that are independent of typical American points of view. An example of this is the press's handling of the Iran/Contra affair: for weeks, the U.S. media was dominated by this topic; meanwhile, many other major world events were all but ignored.

I've now begun to listen more TD shortwave stations, as opposed to just listening FOR them. For my News Years resolution, I swore that I would publicly denounce my past unruly behavior towards all the responsible SW broadcasters who over the years have troubled themselves to operate a North American service, often against great odds and budget cuts. I guess I'm feeling a little guilty that I've taken this for granted over the years. Imagine all the time and effort gone into the production of the thousands of hours of broadcasts beamed to me (...well, not only to me...), and I have the nerve to abandon it all so I can listen to some low power station in West Nowhere-land, buried in noise and RTTY QRM, not even speaking my language...I'm so ashamed. I don't necessarily condemn DXing, but merely suggest that it should not overshadow the listening aspect of the hobby. As humble editor of a column generally devoted to programming, I feel that it's my divine responsibility to my faithful readers (all six of 'em) to express these views. The BBC seems like a good place to start.

I'm afraid I've digressed a wee bit this month from the usual incoherent babble about music programming. So getting back to the show, *Jazz Score*: I had heard it a few times in December at 0330 UTC Sundays. It's a game show of sorts hosted by Benny Green, and features four top jazz musicians each week. The guests are played short musical selections, or read musician profiles, and are then asked to identify the musicians, or song titles, or bandleader, and so forth. The questions are broken down into different categories such as trombone players, vibraphonists, Hoagy Carmichael, etc. The show is recorded live at the Bull's Head club in London. In addition to 0330 Sunday, it can also be heard at 1715 UTC Mondays and 1030 UTI Wednesdays. (The big question is...has anyone heard this show in January? I haven't done much listening at all at these times recently but did check for it once [Monday, the 12th] and didn't find it. My last received issue of *London Calling* was in October, and it wasn't listed there; perhaps it was just a few special programs instead of a regular series. That would be unfortunate.)

**Other notes** As mentioned earlier, the new *World Radio TV Handbook* is out. In short, it's another fine job by the entire WRT staff. A major change is that the receiver reviews are no longer done by Larry Magne, but rather by "...a team of experienced listeners and test engineers..." The tests include a number of travel portables, as well as the new Kenwood R-5000 & Japan Radio Corp. NRD-525. Other articles are the aforesaid piece entitled "The BBC Monitoring Service" and "Broadcasting From the Shadows" by Gerry Dexter, a survey of clandestine broadcasting organizations.

I received a call from Tom McElvy in response to my query about the WRTH BBS. Seems that he's waiting to hear from the public relations department about it. I guess we'll just wait and see.... Thank again, Tom.

New Years Eve was spent in several different countries this year via radio. My favorite was with ABC/Perth on 9610 kHz at 1600 UTC. Great fun....only on shortwave!!

The *Ray Briem "DX Special"* on 10 January sounded pretty good, at least what I heard of it before passing out....why did it have to be so damn late!?! I think it would be a great show to rebroadcast on a major shortwave station, perhaps at a more reasonable hour.

A new semester at school has arrived, and I foresee an abundance of work cut out for myself once again. I will try to pump out another column for the next issue of *FRENDX*, and would appreciate any suggestions for topics that I might cover. Until then, good luck to all in the North American DX Championships & '73's.

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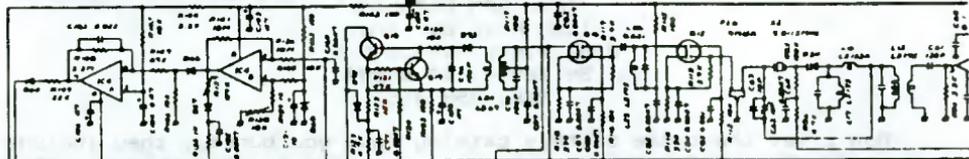
**FOR SALE:** Sangean ATS-801. Five months old. Covers 5.8 - 15.5 MHz, LW MW and FM. Cost \$100.00 new, price only \$55.00 including air shipping  
**WANTED:** Sony ICF-2002. Must be in good shape. Please contact Frank Engelberts, Box 1422, 2970 Emden, West Germany.

**WANTED:** Hallicrafters S-120 in working condition. Also Yaesu FRG-7 unmodified. Willing to trade Radio Shack DX-400 with detector modification, travel case, and accessories, or buy. Write, including phone number, to Tom McElvy, P.O. Box 9645, Norfolk, VA 23505-0645.

**WANTED:** Panasonic RF-2200, preferably a "pampered" unit. John Barkoot 26181 Briardale Avenue, Euclid, OH 44132.

**FOR SALE:** New NRD-525 receiver and NVA-88 speaker for best offer. Also a Bearcat DX-1000 receiver for best offer. I pay shipping in U.S. 48 states. Cashiers check or money order, please. George S. Snyder, 2222 Eldorado Street, Torrance, CA 90501.

# Technical Topics



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

## WINTER READING or KATALOG KAPERS

The first mail of the New Year always brings all manner of interesting things. First you find all those belated holiday greetings. Then there is the infamous IRS form packet. This is the time of year that always brings out The Publisher's Clearing House Sweepstakes. Ten million bucks would buy a tidy little listening post on some exotic island complete with native girls to serve the Pina Colodas. And just in case there is a slim chance that you might not win the Clearing House Sweeps, you can fill out the form for the Reader's Digest contest. Just five mill here, slightly less exotic island with a more limited selection of native girls. But under this pile of more or less important material that comes out of Mr. McFeely's mailbag comes all manner of radio catalogs. Kind of makes you think that the commercial types in our hobby want to get us drooling for new equipment just at the same time we are dreaming of pocketing several million dollars in the contests. Maybe Pavlov was right. Anyway this looks like a lead in for...

### UNCLE SKIP'S CATALOG CORNER

I don't want to sound like Andy Rooney but; Did you ever notice how these catalogs they send us always have a price on the cover but they always send them to you for free so you think you are a preferred customer? Did you ever know anyone who was really dropped from the J.C. Whitney catalog mailing list for not making a purchase from the latest catalog? I average fifty pounds of catalogs a year. Here are the newest for 1987.

ELECTRONIC EQUIPMENT BANK  
516 Mill Street N.E.  
Vienna, VA 22180  
(703) 938-3350

The 1987 EEB catalog always makes me feel like I should own some ICOM equipment. Their modified R71A is a benchmark SWL rig. They carry all the major brands of receivers and accessories at competitive prices. They also have an excellent record for customer service. One of the things that I always go into palpitations over is their selection of MARANTZ engineer quality portable cassette recorders. The idea of owning a cassette recorder that costs more than most folks receivers would be an ego trip indeed. One item that I think is impressive is the HEIL SS-2 speaker. If you want high quality audio with the punch to pick out the weak signals and make them readable, this is the unit for you. See page 20 of the catalog. You might recall that a few issues back I harped on the fact that receivers could be made better at the factory. EEB'S technicians are able to supply high performance improvements on the R-71A and on many other pieces. If I win the Publishers Clearing House Sweepstakes, my first stop will be at the EEB store.

And speaking of ICOM.

ICOM HAM CATALOG  
ICOM America, Inc.  
2380 116th Avenue N.E.  
Bellevue, WA 98004  
(206) 454-8155

Don't let the title of this catalog fool you bunkey, they include their general coverage receivers and accessories in this catalog. If you want to get a feel for the state of the art from the Land of the Rising Sun this is the place to look. I only have one comment to make. If I could be hiking through the woods with the girl on page 21 I wouldn't be playing with my handi-talkie.

AMATEUR ELECTRONIC SUPPLY  
4828 W. Fond du Lac Ave.  
Milwaukee, WI 53216  
(414) 442-4200

AES sends out their supplement this time of year. It is almost as much fun as their regular catalog. It still lists the prices of all gear and you will find them to be competitive. I recently purchased a Kenwood TH-21AI from these folks and I was impressed with their service. Their staff was most helpful and patient with me as I can be a hard person to keep happy when I put my money on the line. If you are going to play the mail order game in purchasing equipment you will find these folks are not just a catalog warehouse but a full blown radio hobby operation with expert staff to meet your needs.

HEATH/ZENITH COMPUTERS AND ELECTRONICS  
Veritechnology Electronics Corp.  
Benton Harbor, MI 49022

Well folks I guess it was bound to happen. Heathkit has gone corporate on us and I think they are cutting their own necks. Heath was once an outfit you checked out first for good gear at a reasonable price. This may still be true in terms of their computer goods, but their radio stuff is no longer in the forefront of the hobby. The catalog is not without merit especially in light of our recent trend toward Active indoor antennas. The HD-1424 at \$49.95 might be just the kit for someone who wants to try their hand at constructing an active antenna. They also list a VLF converter HD-1420 for \$49.95 and that might be fun to build if your rig won't go down to the basement. They do list a general coverage receiver, the SW-7800 but at \$299.95 you can get a portable SONY with more features. I guess I have built about ten or fifteen Heathkits in my time and I have always been happy with the result so if you like the smell of burning solder this catalog is for you.

THE GROVE CATALOG 1987  
Grove Enterprises  
PO Box 98  
Brasstown, N.C. 28902  
1 (704)-837-9200

In recent years it seemed that Bob was leaning toward scanners for his bread and butter. The 1987 Grove Catalog has its share of scanner stuff but it is very solid in the SW world too. The Grove operation is also known for manufacturing some handy accessories for the DXer. Where else can you get the FCC frequency file on microfiche?

MOUSER ELECTRONICS  
Distribution Center  
2401 Highway 287 North  
Mansfield, Texas 76063  
(817)483-4422

With each passing year this outfit's catalog has grown in size and quality. They are fast becoming my choice for most parts. They come about as close as you can get to the old Allied and Lafayette catalogs of my childhood. One stop shopping for your next construction project. They even stock Greenlee chassis punches.

HAMMACHER SCHLEMMER  
147 East 57th Street  
New York, NY 10022  
(212) 421-9000

This is not a regular radio catalog but I am including it for a special reason. HS is known as the place for "The best of the best" of unusual and high quality toys for the "Yuppie". On page 31 of their winter catalog they list "The Best Travel World Band Radio" The SONY ICF-2002. They even quote LARRY MAGNE in the description.

Well now you have a stack of catalogs to peruse while you are waiting for Ed McMahon to call you with your winnings. Keep those cards and letters coming folks.

73,  
*Ship WB2GHA*

FOR SALE: Sony ICF-6700W, \$150.00. Customized Beam Headings (from/to) and Distances (Mi/Km) to over 415 WRTH transmitter sites. Useful in picking alternate transmissions and selecting listening times based on distances. ITU Country Codes included. Send your location/coordinates, \$5.85. FRENEX complete '84, '85, or '86, \$5.00 each. WRTVH '85, '86, \$6.00 each. All items include shipping. Chasiers check or money order, please. Al Drehman, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398.

FOR SALE: McKay Dymek DR-44 in excellent condition. Type used by FAA, \$250.00. Hallicrafters SX-100 in near mint condition with calibrator, \$100.00. R-390A reconditioned and in excellent condition. With manual, \$225.00. (can't ship this one. Pick up or I'll deliver within 100 miles of New York City.) Lafayette HE-30 in mint condition, \$70.00. Panasonic RF-2800. Needs repair, but semi-functional, \$50.00. McKay Dymek DA-1000 active antenna, mint condition, \$60.00. All prices are negotiable and do not include shipping. Herb Shatz, 65-09 99 street, Apt. 6T, Forest Hills, NY 11374. Phone (718) 275-9215.

FOR SALE: Radio Shack Pro 32 portable scanner in excellent condition. With manual and leather carrying case, \$260.00. Gary Russo, 2565 East 1st Street, Brooklyn, NY 11223. Phone (718) 339-3587 7:00pm - 10:00pm EST.

FOR SALE: Yaesu FRG-7700 digital, solid-state receive, 250 kHz to 29.9 MHz with Gilfer narrow filter modification and operating manual. Cost \$625.00 new and still in mint and excellent operating condition. Will sell for \$290.00 (money order only) including UPS shipping. Wallace C. Treibel, 357 N.E. 149th, Seattle, WA 98155. Phone (206) 363-9820 from 0130-0600 UTC except Saturdays.

# NASWA Awards Program

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

Greetings and welcome to the February 1987 edition of the Awards Page. The following folks were issued NASWA Awards during the month of December 1986:

Gary BLEDSOE, Anchorage, AK: World Wide DXer

Gordon M. DARLING, Boroko, PAPUA NEW GUINEA: Master Papua New Guinea DXer, All Germany DXer, Master China DXer, Master Pacifica DXer, Australian DXer, Master DX Centurian endorsements for 210 and 220 countries, Master Radio Moscow DXer and Master Time Station DXer (Certificate #001)

Alexander DURANT, Albany, NY: World Wide DXer, European Continental DXer

Donald M. HOSMER, Dearborn, MI: All Continent "QRP" DXer (10 KW); Senior Ecclesiastic DXer; Senior British Commonwealth DXer

John M. KAPINOS, Shrewsbury, MA: Senior British Commonwealth DXer

Rick KRZEMIEN, Walnut Creek, CA: Senior DX Centurian DXer for 160 countries

Sheryl PASZKIEWICZ, Manitowoc, WI: Senior Ecclesiastic DXer, South American Continental DXpert, Asian Continental DXer

Bob STURGEON, Richmond, BC: Maple Leaf DXer

Robert M. WEISS, Fairfax, VA: Ecclesiastic DXer

John M. WILKINS, Wheat Ridge, CO: Senior Ecuadorian DXer

\*\*\*\*\*KAP'S

KOMMENTS\*\*\*\*\*

TRUST ME. Send a 22 cent stamp in the U.S. , appropriate rp anywhere else and I'll send you something that will tickle your funny bone. No this is not a "make thousands stuffing envelopes at home" scheme.

Please do not contact me regarding non receipt of paid for materials from the "WDX" program. I have nothing to do with the program and cannot help. In fact, I was "banned" from this program for some unkind (but true) remarks I made about the individual in charge.

The 1987 edition of the World Radio and TV Handbook arrived a couple of days ago and it meets it's usual high standards. A tip of kap's cap to Jens Frost and Andy Sennitt for doing a bang up job.

OK, sort of a contest. A FREE World Wide DXer Award. Of course there is a catch. All 50 countries have to be logged during the month of March 1987. All entries will receive a specially endorsed Award Certificate and one lucky person to be chosen at random from all entries received will get a \$10.00 gift certificate for their choice of items from Bill Plum's mint stamp or printing catalog. You are eligible even if you have obtained the Award before. Deadline for entries is July 10, 1987

We are considering coming out with a "Clandestine Station" Award. Strictly Clandestine stations, no "hobby pirates". Your input on this would be most appreciated and welcome.

Keep smiling

BFST, Kap 1/15/86

# KAP'S KORNER

JOHN M. KAPINOS  
86 South Quinsigamond Avenue  
Shrewsbury, Massachusetts 01545

Several years ago the pages of FRENDX were graced by a column entitled "As I See It", edited by Mr. Al Sizer. Our efforts will attempt to bring back the spirit of the column as it once existed. It will be opinionated at times, even controversial. It will not be MY column, it will be yours. There are ground rules: No potentially libelous material or personal attacks, no off color material and no slurs of any type against any social group, be it racial, religious or political. Your contributions are most welcome, no deadline as such, I will endeavor to prepare this column around the Ides of each month.

In the past several years there has been some undercurrent as to what is going on with the radio clubs in general. Rumors of possible cutbacks in pages, and even suspension of publication by one or more of the major U.S. based clubs were in the air at the ANARC Convention in Montreal last summer. In the September and October 1986 issues of "DX Reporter", the publication of ADXR, an anonymous contributor known only as "WPS" made very critical comments regarding the organized part of the hobby, that is the clubs in general and ANARC in particular.

In rebuttal, the then Executive Secretary of ANARC, Richard T. (Terry) Colgan stated that the clubs are in good shape, suffering a miniscule loss of membership in the past 4 years. Terry mentioned the figure of about 8000 total members of all ANARC affiliated clubs. Allowing for the fact that many folks are members of more than 1 club, we can safely assume a ball park figure of 7000 different participants. The specialty clubs catering to the LW, MW and VHF-UHF aficionados make up about 30% of the total memberships, so we are down to less than 5000 folks interested in primarily Short Wave Broadcast activities belong to ANARC member clubs. It must be emphasized that virtually every active club in North America is a member of ANARC.

Less this article get to be a statistical exercise, we should get to the point. Of the number above, only a scant few hundred folks ever bother to contribute to their clubs. Even fewer do more than report their latest Radio Moscow and Radio Netherlands loggings. Take a look at Section A of this issue. With the sunspot count being what it is, this section should be the biggest in the book, yet the Editor has only enough material to fill one page. Could it be that no one actually DXes anymore? If that is indeed the case, the clubs are in more trouble than originally thought.

Today brought the news that the second largest SW oriented club in the U.S. is cutting back on pages and is considering other even more austere measures. Only 18 months ago they were touting that they would have bigger issues than ever.

Some folks grouse that the real DXers belong to the closed organizations such as Numero Uno and Fine Tuning. This could be indeed true, but it must be remembered that these outfits have to recruit their participants somewhere and that that somewhere is from the pages of the open club bulletins.

When this writer first joined NASWA in the Spring of 1976 there often were in excess of 100 names on the Contributors Page. Count them now. Short Wave Center, the finest section of any U.S. club publication in recent times is gone. Could it be that many of the good writers have gone on to the commercial publications where they can make a buck or two for their efforts, plus get the ego gratification that more than just a thousand or so folks are reading?

Perhaps those who have gotten this far in this piece are saying that olde kap is a Prophet of Doom. Maybe, but those same folks can change things around if they so desire. The Publisher of FRENDX would dearly love to get more material than he can get into the current page allotment. He won't if everyone sits there and says "yep, kap might be right but he's a fool for beating a dead horse".

Until next time

*John M. Kapinos*  
1/15/87

# Computer Corner

Editor: Tom McEivry, P.O. Box 9645, Norfolk, VA 23505-0645

Welcome back! Well, it is time to get REAL serious with this computer column, and talk about what that little keyboard, and all the junk hooked up to it can do. Please forgive me if I seem Commodore slanted in my articles, but that is what I currently own (although MS-DOS is soon to arrive!). Anyway, enough talk, let's get into WORD PROCESSING!

WORD PROCESSING is the ability to use your computer to generate documents as though they were written on a typewriter. That is where the similarity stops. For example, by using a word processor, you can save the documents onto a disk, which could hold over a hundred letters, and allow you to retrieve them in a stroke of a key. If you make an error on your typewriter, just get out the white-out or correction tape; on a WP, just retype the letter! Need justification (a straight right margin)? No problem...just let your trusty WP do it's thing, and off you go...who knows, you might even start writing articles for FRENEX (no, my job is NOT open!)(hi)

Word Processors are available in many shapes and sizes; you must pick one out that "feels good" to you. I have used several on my C64, including Easy Script, Word-Pro 3+64, and ultimately discovered Pocket Writer, which is what this column is produced with. In looking at processors, consider many things...ease of operation...will it work ALL the features of my printer...who can I call if I have a question? All very important, and that does NOT make the selection task any easier! So, let's take it a step at a time, and try to find what is best for you.

From talking with other SWLs, it seems the first thing they want to do is to create a "form letter" for usage with their reception reports, so that all they have to do is fill in the blank, and send off the report. If your basic intention is this, then select one of the public domain word processors and get a feel for its use...create a few letters, and save them to disk. Now, go back and fill in the blanks...easy isn't it? Now, if your printer supports it, try a few other type styles or sizes...On my DkiData 120, 3 pitches are stock (10, 12, 17.1). But, with some maneuvering of the printer codes, it is possible to generate 3 additional codes, using the double wide size, to give 5, 6, and 8 pitch! OK, hopefully you are getting the idea...play around with both your equipment and software to get a feel for your capabilities.

In addition to reception reports, word processors can enable you to set up simple logbooks for your DXing, such as the sample in figure 1. While not the perfect logbook, it is much better than the henscratching I used to do...and my entire logbook is on a disk, which I could grab in the event of a fire, so that my entire lifetime of DXing doesn't go up in flames! Running a SWL club and need labels to mail out the bulletins each month? No problem, just set up the file and your word processor will do the rest!

So what do you need to look for in a word processor? Well, that is going to depend on your pocketbook, but in the \$30-\$40 range, there are many EXCELLENT programs to choose from. If you already have your printer, check the printer list on the package to determine if the program supports it. If not, you have been spared the agony of wasted money (ever tried taking back software opened?). What are the capabilities of the program? Will it do MERGES (needed for form letters); how about right justification? Makes FRENEX articles look REAL nice! Other features abound, including placing headers at the top of a page, automatic





The Palomar Engineers Model PT-340 "Tuner-Tuner"

By

Chuck Rippel, WA4HHG/WDX4KUI

And

ODDX, The Old Dominion DX'ers Association

While attending the Virginia Beach Hamfest this September, I encountered what has turned out to be one of the more useful radio accessories I have ever purchased.

The Palomar Engineers Model PT-340 sells for \$99.95. Give consideration to obtaining your unit from a dealer who supports our hobby. One such dealer is Universal Shortwave in Reynoldsburg, Ohio. Fred Osterman, the owner of Universal informs me that he will stock the PT-340.

Designed for the amateur radio market, the Palomar PT-340 is a fixed 50 ohm antenna noise bridge which allows the operator to adjust his transmatch for minimum SWR without having to first key the transmitter. This eliminates the risk of damage to the transmitter finals caused by operating into an unmatched load.

Big deal right? What does an SWL care about damaging his transmitter? Answer: Nothing, most SWL's don't operate transmitters. However, many SWL's do own and operate a transmatch or antenna tuner.

Consider your antenna tuner. It's job is to match the characteristic impedance of your receiving antenna at a given frequency to the input impedance of your receiver so that a maximum transfer of energy can occur. A station is selected on your receiver and you adjust the controls of the antenna tuner until the signal is peaked on the S-meter. Never mind that the signal is fading or fluttering, you did your best to get the signal peaked with the means at hand. How many times in the past while trying to ID a really weak one did you frantically re-adjust the tuner controls trying to wring out that last db of signal? Wouldn't it be nice if there was an accurate way for an SWL to tell once and for all if an antenna tuner was adjusted for a proper match?

The model PT-340 "Tuner-Tuner" provides the SWL with the means to accurately adjust an antenna tuner and identify an optimum match on any frequency within the range of 1.5 - 30 mhz. This wonderful device is contained in a metal box about 3 x 5 x 3.5" square. It is designed to remain connected in the co-ax cable which runs between your antenna tuner and receiver. The PT-340 front panel controls could not be simpler, there is only an on/off switch and an LED which flashes when the unit is turned on. The rear panel has two SO-239 jacks labeled "tranceiver" and "tuner." There is also a clip to hold the required 9V battery (not supplied).

Operating the PT-340 is very easy. Simply tune your receiver to the desired frequency. Turn the single front panel control on the PT-340 from "off" to "tune" which puts the unit on line. A swishing sound comes from the receiver, the LED on the PT-340 will begin flashing and your receiver "S" meter will indicate in the S-9 region. Set your receiver AGC control to "fast." Adjust the antenna tuner controls for a null on your receiver "S" meter. The null indicates your antenna tuner is now adjusted for a proper match. Turn the front panel control to "off" and there you have it, an optimum match for the antenna you are using on the frequency you have tuned. No more guess work or trying to peak your tuner using a fluttery signal.

At my QTH, for both SWL'ing and low band amateur operating, I use a 130' inverted vee center fed with 450 ohm open wire and a Nye-Viking tuner. The apex of the antenna is at about 60 feet. The SWL receiver is an Icom R-71A.

What tangible results can you expect from your \$99.95 investment in a "Tuner-Tuner"? Let me offer one example of how the PT-340 performed here. On 60 meters, I previously peaked the tuner using WWV on 5 mhz. I would use the same tuner setting across the entire 60M band. This seemed to work satisfactory. After installing the PT-340, I found that I had been peaking on a false null. This resulted in using the antenna in an unmatched condition. The bandwidth of the antenna/tuner combination is very narrow on that band due to the comparatively low operating frequency. Remember, generally, the lower the frequency involved, the more narrow the bandwidth of a tuned circuit. In this case, so narrow on 60 meters that using the PT-340 as an aid to retune after even a 30 kc movement made an audible difference during weak signal reception. These results carry over to the other bands, the results being more dramatic the lower the operating frequency.

An antenna and tuner combination properly adjusted to the frequency being used can have the additional effect of increasing the signal to noise ratio of the receive system. When an antenna tuner is used and properly adjusted, a resonant circuit consisting of the antenna, ground and transmatch is created and placed before the front end of the receiver. The goal is use the tuner to make that circuit resonant on your operating frequency. When this condition occurs, a center frequency for that tuned circuit is established. A maximum transfer of energy at the operating frequency takes place. The desired signal is peaked and hopefully, broadband noise such as lightning is not peaked quite as much. As you move from the center frequency, signals start to be attenuated as a mis-match begins to occur. The ratio of how far a tuned circuit can operate from it's center frequency and still maintain acceptable energy transfer is an expression of it's bandwidth. The ratio of how much a signal is attenuated per increment of frequency change is an expression of the "Q" of a tuned circuit.

Without getting any further into a college level dissertation on physics, let me say that matched antennas work better than unmatched ones in all cases. Since most SWL's don't have the real estate to build an optimum antenna system for each band, a compromise antenna system must be made. Sometimes, that compromise involves an antenna tuner. For the tuner to be effective, it must be properly adjusted. The Palomar Engineers Model PT-340 "Tuner-Tuner" provides an accurate means to do so. I highly recommend it!

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#### HIGH PERFORMANCE ICOM OPTIONS

Just recently, the Swedish firm of ESKAB has produced several interesting options for the R71/R70. These include a special 4 khz high performance AM crystal filter (\$79 CAN/\$55 US) and a phase locked AM (PLAM) board that takes all the hassle out of ECSS/NSHD tuning. The PLAM board is \$229 CAN/\$165 US. In stock for immediate shipping. Specify R70 or R71 version. All prices include postage and complete installation instructions. The very popular R71 Performance Manual is also still available for \$10 US. The manual details "how to" modify your R71 for better performance including improved MW sensitivity, AM selectivity, notch filter, true passband tuning, infinite RIT, audio level increase and more. Many of these mods are very simple to perform even if you're not an expert. Just look at all the \$\$ you can save if you do the mods yourself! For more information or to order contact :  
Don Moman SHORTWAVE HORIZONS, #61 - 52152 Rge RD 210, Sherwood Park, Alta CANADA T8G 1A5



# Listeners Notebook

GLENN HAUSER, P.O. Box 490756, Fort Lauderdale, FL 33349

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**ALGERIA** The official sked [as in Nov WRTH NL, DX LISTENING DIGEST 11-30] is very optimistic and probably indicates where the stn should be working, but not all fqs seem to be regularly on air. Most regular are 7246 Kabyle, 9509 in French and 11715v Arabic; former 17745 is apparently dropped (No. 1 R Green, UK, Dec DSWCI SW News) more, Last Minute Info later in LN

**AUSTRALIA** R Australia reported 14/12: Legislation to allow merger of ABC and the Special Broadcasting Service [SBS] which provides multi-cultural bc'ing pgms in this country has been blocked in the Senate by the Liberal opposition and the Democrats. Govt is now expected to proceed w/merger w/out legislative approval (WBI 19/12) more, LMI

**AUSTRIA** Many of you will have heard the tuning signal at the opening of ORF-RAI pgms--several sharp notes immediately following the IS. But few will have noticed that those sounds, like those from an electric guitar, form the letters "ORF" in telegraphy. I suggest you listen to perceive this curious detail (Adolfo Arto, Spain, Nov Dial of the Asociación Diexista Aragonesa)

**BENIN** RTV Benin is on the air on MW 1475 and 4870 at 05-08, 11-14, 16-23 (Sat/Sun 06-23) in EG, FR and 17 verns, per latest QSL (Kanwarjit Sandhu, India, Dec Asian DX Review of Indian DX Club International)

**BOLIVIA** R Riberalta in at SIO 322+ on 16/12--serenade, guitar mx and such w/an "Esta es Radio Riberalta" ID at 0300, then lengthy ID & s/off 0315\* on 4699. R Abaroa same night but stronger at 3+23--still on at 0325 t/out on 4712. R Fides, presumed to be the Bol here 18/12 0910 t/in until covered by s/on of Manáus at 0950, on 4845. Format was talk in Indian lang betw M&W w/ breaks for Andean mx. Also noted several refs to Bol. First time I've ever logged Fides, possibly by its early s/on; SIO 322+. (Maxfield Greenwood ME)

**BURMA** Rangoon on 9731, 8/12 0559 w/BM pgm, 35543 (A J Sampath, Dec IDXCI)

**CAMBODIA** Monitoring 23/12: V of the People of Kampuchea DS from Phnom Penh now hrd additionally on 4878 2330-2430 apx; and on 6143 0430-0545 & 11-1415; // 6090 and 5035 (WBI 2/1)

**CAMEROON** As all active DXers know, there is now a Mr James Achanyi Fontem on [sic] the R Cameroon natl centre in Yaoundé, R Yaoundé who is kindly verifying all our reports. Thru personal contacts w/Mr Fontem I have found out

that he is also very active as General Director and leader for CATCHA, Cameroon Assistance to Handicapped Children Assns. This org is working w/out profit and works for handicapped children in the ages 6-16. It arranges festivals for the children, collects money to transport for them [sic] and has also built specialized institutions for the handicapped children. As Mr Fontem is so kind to us DXers, I have made the decision to try to help him collecting money for CATCHA and its big work for the handicapped children of Cameroon. You can either send your contribution directly to Mr Fontem by a money order, addressed: Mr James Fontem, CATCHA, P O Box 281, Yaoundé, Rep of Cameroon, or address a cheque to Mr James A Fontem, Bivic Bank, Yaoundé, Acct No. 6864-406440-87, c/o B P 281, Yaoundé, Rep of Cameroon. The cheque must be over-crossed [apparently some obscure Eurafican banking custom -gh]. Or you can make small contributions directly to me: Björn Fransson, Lunds, Våsterhejde, S-621 48, Visby, Sweden; postal acct no: 33 56 11 - 0. If you want to send IRCs instead it is as good. As I am using many IRCs in my DX activity I can change them into money and deliver it to Mr Fontem. He will verify reception reports on all the radio stns of Cameroon, so let us all do him this favour! Thanking you so much, I'm sending my best wishes from Gotland! (Björn Fransson, Dec DSWCI SW News)

C A N A D A Japan? R Japan/NHK on 9670, reported by gh on SWLD 10/1, also hrd here 31/12, JP pgm 1500-1530\*, powerhouse sig, but nothing since; did you hear an ID for Sackville, or could it be a new 300 kW xmtr from Japan? (Ernie Behr, 'NW' Ontario, 11/1) No Sack ID, but it had a double-hop satellite delay compared to 5990, and since earlier that morn they also had a special NYE wx pgm on 6120 via Sackville, I assumed this was a continuation. Later, Ian McFarland confirmed for me that 9670 was indeed Sackville, one time only (gh)

CHAD see LIBYA

C H I N A East Asian DX News from the Asian Broadcasting Institute, compiled & translated by Tetsuya Kondo, Japan, Dec. 14, and later Jan 3 issues:

CHINA (PEOPLE'S REPUBLIC)

A new radio station which give an overseas service was born with ID "Voice of Jinling Broadcasting Station" on Nov. 12. This station which is located in Nanjing City, Jiangsu Province broadcasts daily in Standard Chinese at 1155-1600 on a shortwave frequency of 4875kHz.

People's Daily and Xinhua News Agency reported this news on 13rd and Fujian PBS also broadcast it on 14th. According to these informations the service of V of Jinling (the ex-name of Nanjing) is for Taiwan, Hongkong, Macao compatriots and overseas Chinese in South East Asia. The stn reports developments and problems in economic and cultural construction in Jiangsu Province and broadcasts news in its neighbouring provinces and cities.

The stn was first heard in Japan on Nov. 18. The reception condition is not so good. The address is announced as P. O. Box 268 Nanjing City, Jiangsu Province.

ID: "Jinling zhi sheng guangbo diantai".

(Tatsuo Gima, Nobuo Hina, Kunihiko Nishida, Tohru Hayashi, Isami Hyuga, Akira Yamanaka, Machiko Saeki, Masafumi Mizuide)

CPBS has changed shortwave transmission schedule since Nov 2. Monitoring observations between Nov 2 and 7 show the services are carried out on the following frequencies.

1st Program: 2000-1733 exc 0600-0854 on Tue overall

17605 0101-1005, 15590 0031-1035, 15550 0026-0759, 11610 0025-1150  
11330 2336-0950, 11290 2216-1345, 10245 2336-0100, 9800 2316-0100,  
9080 2000-0030 1036-1733, 9064 2000-1733, 7935 2000-0024 1151-1733  
7525 2000-2215 1346-1733, 7516 2000-2300 1100-1733, 7504 2000-1733  
exc 0520-0900 on Fri, 7440 1100-1733, 7335 2356-0100, 6750 2000-  
0100 1100-1733, 6665 2000-1733, 6125 2000-0100 1100-1733, 5915 2000-  
-2315 1100-1733, 5880 2000-2355 1100-1733, 5860 2000-2335 1100-1733  
5320 2000-0025 0800-1733, 4905 2000-2300, 4460 2000-0100 1006-1733,  
3220 2000-2335 0951-1733.

2nd Program: 2100-1558 exc 0600-0954 on Wed and Fri overall

17700 0216-0759, 15500 0000-0900, 15030 0100-1000, 12200 2301-1020  
11740 2331-0215 0800-1100, 11505 2341-1039, 11040 0101-0859 but  
-0510 on Tue, 10260 1200-1310, 9775 2331-0200 1030-1145, 9755 0000-  
0200, 9030 2100-0059 1001-1558 but 0955- on Wed and Fri, 9020 2100-  
1558, 8007 2100-0000, 7770 2100-2340 0200-0850 1040-1558, 7235 2100-  
-2330 1101-1558, 6920 2100-2340 1100-1250 1330-1558, 6890 2100-0100  
0900-1558, 6190 2230-0200 1000-1215 1300-1558, 5163 2100-2359 1000-  
-1558, 5075 2100-0159 0851-1558, 5030 2230-2330 1300-1558, 4250  
2100-2359 0901-1558, 3290 2100-2300 1021-1558.

Broadcast for Minority Nationalities:

0000-0026 Tibetan 11375 8566 6920, 0030-0056 Uighur 11375 10260  
8566, 0100-0126 Kazakh 11375 10260 8566, 0430-0456 Korean 9920 9775  
8566, 0500-0526 Mongolian 9920 9775 6430 6190, 0530-0556 Tibetan  
17635 15670 11630, 0600-0626 Uighur 17635 15670 10260, 0630-0656  
Kazakh 17635 15670 10260, 1000-1026 Korean 9775 5420 4190, 1030-  
1056 Tibetan 8566 7035 6920, 1100-1126 Uighur 10260 8566 7035,  
1130-1156 Kazakh 10260 8566 7035, 1200-1226 Korean 5420 5030 4190,  
1230-1256 Mongolian 6190 5420 5030 4190, 1300-1326 Tibetan 8566 7035  
6920, 1330-1356 Uighur 8566 8007 7035, 1400-1426 Kazakh 8566 8007  
7035, 1430-1456 Mongolian 8566 8007 7035, 2130-2156 Korean 5420  
5030 4190, 2200-2226 6190 5420 5030 4190.

Broadcast to Taiwan 1st Program: 0055-0609 and 0955-0004 overall  
15710 0055-0609, 11925 0055-0609, 11100 0055-0609, 9455 0055-0609,  
9380 0955-1105, 7620 0955-0004, 6015 0955-1405 2306-0004, 5125 1106  
-0004, 4770 1406-2305, 3815 0955-0004.

Broadcast to Taiwan 2nd Program: 2055-0104 & 0355-1804 exc 0604-  
0954 on Wed overall. 15880 0355-0900, 11000 0001-0104 0355-1015,  
9170 2336-0104 0901-1130, 6790 2055-0000 1016-1804, 6095 0355-1200,  
5090 2055-2335 1131-1804, 4850 2055-0104 1201-1804. (Satoru Suga)

According to a program schedule received from Guangxi PBS it  
broadcasts educational service or 3rd Program from 2255-0130 and  
0955-1230 on 5920kHz. (A. Yamanaka)

Xinjiang PBS changed some frequencies in response to winter SW  
propagation on Nov 4. The Uighur service is now on the air on  
3990kHz replacing 7050kHz. (S. Suga, I. Hyuga)

JAMMING

USSR has stopped jamming to Radio Beijing Russian service. First  
noted on Oct 12. Russian services of R.Korea and R.Tirana are also  
not jammed. But the Soviet Union continues to interrupt broadcasts  
in Russian from VOA, BBC, DW, RFE, R.Liberty, Kol Israel.

Reversed tape broadcast of Russian service from R.Beijing has  
changed to 'forward' mode since about a week after of jamming-off.  
This fact backs up the view that the broadcasts are feeder to the  
border transmitting stations of R.Beijing and the tapes are re-  
versed for a purpose to avoid jamming from USSR. (Shigenori Aoki)

The News of Soviet jamming stop was fed to Kyodo News Agency on  
Nov. 5. RN Media Network broadcast this Kyodo press on Nov 6 and  
BBC-MS also quoted it in Nov 7 issue. (Hideharu Torii)

CHINA (PEOPLE'S REPUBLIC)

On Dec. 15, 1986 CPBS "Nation-wide PBS Hookup Program" and  
Hunan PBS "All Provincial PBS & Broadcasting Posts Hookup Program"  
reported that a new radio "Zhujiang Economical BS" started to  
operate in Guangzhou City, Guangdong Province on the day. A  
survey for MW picked up this stn on 1062kHz at 1550 on the same  
day. It broadcast programs in Cantonese and Standard Chinese and  
signed off at 1608. An station announcement stated that it  
broadcast on 95.6MHz in parallel with 1062kHz. Both freqs had  
been used for broadcast of Guangdong PBS 2nd Program till quite  
recently.

This stn is first economical information station in China. The  
programs are in relaxation and make the illusion of listening to  
Hongkong radio stns. The stn is also first in China to broadcast  
a stn jingle singing as "Jyü'gōng k'ingj'ai t'oih" on occasion.  
ID in Cantonese "Jyü'gōng k'ingj'ai gwóngbo diht'oih" (Tatsuo Gima)

The letter from Voice of Jinling BS shows that it has a plan to  
add a new SW freq of 7215kHz to 4875kHz. However says 7215kHz will  
be not used for a period of time.

This new stn, which began xmsn on Nov. 12, 1986, is operated by  
Jiangsu PBS staff, especially the former one of Program for Taiwan.  
The Taiwan-Program from Jiangsu PBS, which was initiated on July 1,  
1982, has been not heard recently. (T. Gima, Akira Yamanaka)

V. of the Strait BS has changed its shortwave transmission  
schedule since Dec. 1, 1986.

1st Program: 1000-1756 & 2100-0026 overall; 3200 and 2490kHz.

2nd Program: 0400-1626 overall;  
9540 0400-0800, 6400 0400-0900, 5770 0400-1000, 5240 0400-0900,  
4840 0400-1626, 4045 0801-1626, 3535 0901-1626, 3300 0901-1626.  
6000 and 4330kHz freqs, which have been not announced recently in  
the broadcasts, are on the air to 1000. (Satoru Suga)

Yunnan PBS began a new service for Vietnam on 6035kHz. First identified on Nov. 4, 1986. The service is broadcast from 0900-1100 including Radio Beijing Vietnamese program at 0930-1030. Satoru Suga heard Yunnan PBS 1st Program on this freq on Sep. 27 & 28. This 2 days broadcast may be test xasn for the new transmitter. ID in Vietnamese: "Dây là đài phát thanh Văn Nam".\*\* (T. Gima)

A program schedule received directly from Zhejiang PBS when travelling to China and effective from Sep. 14, 1986 states that it broadcasts as follows:

1st Program 2050-0510, 0740-1505 (from 0850 on Tue) 4785, 2475, 1503, 1485, 1476, 1458, 1431, 1404, 1143, 1134, 1080, 963, 810, 693 585, 576, 531kHz, 105.8, 98.6, 98.2, 95.4, 94.6, 94.3, 92.3MHz.  
2nd Program 2110-0005, 0255-1505 1530kHz.  
3rd Program 0400-0600, 0930-1130 98.6MHz. (Hideaki Doi)

Xinhua News Agency reported on Dec. 23, 1986 that China Central Television Station (CCTV) would start to test-broadcast of the 2nd Program from Feb. 1, 1987. This new service will supply economical informations, literatures, films, sports etc. daily from 0100-0600. (Masafumi Mizuide)

A program schedule given from Shanghai PBS when travelling to China and visiting it shows that it broadcasts as follows:

1st Program (990kHz): 2030-1700  
2nd Program (792kHz): 2100-1530 exc 0430-0655 on Thu  
3rd Program (1197kHz): 2145-1435 exc 0400-0725 on Wed  
4th Program (1422kHz): 2125-0330 (to 0200 on Sun), 0350-0500 (to 0830 on Sun), 0825-1030 (not Sun), 1150-1400 (not Sun), 0955-1430 (Sun)  
5th Program (1296kHz): 2125-2400 (to 0230 on Sun), 0355-0530 (not Sun), 0425-0900 (Sun), 0720-0930 (not Sun), 1025-1430 (start from 0925 on Sun)  
6th Program (103.7MHz): 2230-1500 exc 0500-0725 on Fri  
7th Program (101.7MHz): 0400-1430

In 5th Program R. Beijing English service is broadcast from 13-14. 6th Program is also called itself as "Voice of Music". (H. Doi)

#### MACAO

According to the program schedule received from Teledifusao de Macau Radio Macau and Television Macau broadcast as follows:  
R. Macau Portuguese channel: 2300-1630 on 98.0MHz (stereo), Chinese channel: 24 hours on 900kHz and 100.7MHz (stereo), Television Macau: 1000-1515 (till 1545 on Wed, 1550 on Tue & Thu, more extended on Sat) on 30 channel. (Mitsuo Yamada)

ID romanization: Cantonese (\*, \*\*) by Mitsuo Yamada and Masafumi Mizuide; Vietnamese (\*\*\*) by Kunihiro Nishida --many thanks. Correction to Dec 14 issue on previous pages: V of Jinling first heard date is Nov 14, not 18. CPBS bc for minorities 22-2226 is in Mongolian (Tetsuya Kondo)

[cf previous page] Zhongguo Xinwen She news agcy, Hongkong, reported in Chinese 12/12 from Canton: R Zhujiang Jingji [Pearl River Economics radio] has decided to start being this month 15/12, an off 1 at the Guangdong PBS and at a press conf today. Per him, what's spl about R ZJ is its pgms'll be mainly info svc and entertainment for genl public, bc 19 hours & 10 mins daily. Its most important pgmms incl nx reports and info pgmms. Each day, it'll bc pgmms on the hour intended to convey info which commercial and other enterprises'll find useful, and nx every half hour. 'll provide wide vty of pgmms; e.g. 0500 "Reminding you everyday", "Economic trends in the open-door cities" etc, intended to propagate up-to-date market info; at 0800 "Conveying feelings by a melody", "A Garden for elderly folks" and so on, which are intellexual educ pgmms; at noon [ergo above times are local, not utc... gh] "Wandering about in the market", "The voice of the consumer", "The office of a solicitor specialising in economic affairs" and "The road to prosperity" which are intended for rural audiences. R Zhujiang Jingji has MW mono AM channel 282.5m, 1062 kHz; and stereo FM 3.1m, 95.6 MHz (WBI 19/12)

Xinhua, Peking reported 9/12: Starting 10/12, Shanghai TV viewers'll be treated to 50 hours of forn pgming; shown as part of the Shanghai International TV Festival, first of its kind in China, municipal TV'll air pgmms provided by 23 forn TV stns in Shanghai's sister cities. To date, Shanghai has official sistership rels w/18 cities in 15 forn countries. "Festival is aimed at promoting understanding betw Shanghai residents and rest of world," said Gong Xueping,

Dir of Shanghai TV. "It is non-govt'l and'll show a spirit of communication and openness," Gong added. "In the future, Shanghai TV'll organise this type of festival biennially" (WBI 19/12)

Monitoring 15-20 Dec: Pearl River Economics radio confirmed on 1062 & 95.6 21-1610 in Cantonese (WBI 2/1)

Zhongguo Xinwen She nx agcy, Hongkong, in Chinese 26/12: From 1 Feb 1987, CCTV [Chinese Central TV]'ll bc English pgmms for visiting foreigners and foreigners residing in China. This was ancd by Nie Dajiang, Vice-Minister of Radio, Cinema, TV [on the new second channel]. There'll be four new pgmms on this channel, incl "Economic Info," "Education in ag science & tech," "The spark of science and tech", and "English". The "English" pgmme, incl nx, reports on spl topix, films and TV dramas, 'll be aimed at forners in China. It is planned that this ch'll operate 13hpd. Apart from econ info, there'll also be cultural, sports, science & tech info, and other knowledge and svc pgmms. Thus it'll be able to make up for defects of first ch, which bcs only TV univ courses in morn and aftn (WBI 2/1)

Xinhua reported 20/12: Central TV Stn'll begin bcng an EG pgmme at 2210 [at 1410 gmt] 30/12 in Peking area on a trial basis. Contents'll incl major intl and dom nx, econ info, culture and art.[BBCMS ed note: a previous Xinhua report, 27/11 said this svc was to begin 1/12] (WBI 2/1)

R Beijing in EG [incl unpublicised feeder fqs]: 00-01 Am 11660 9550. 03-04 Am 15445 11980 11970 11660 9645 8425. 04-05 Am 11980 9645 8425. 0830-0930 & 0930-1030 Au 15440 11755 9700 8260 6550. 11-12 Am 9535 6430. 12-13 Am 13650 9535 6825. 12-13 As 15280 11755 11600 1341. 13-14 As 15280 11755 11600 9730 9550 6430 1341 [RB's published sked shows 9730 & 9550 as for NAM, not As -gh]. 14-15 15165 11600 4200 As. 15-16 As 15165 4200. 16-17 Af 11600 9570 5250 4130 17-18 Af same. 19-20 Eu 9860 6860 5250 4130. 1930-2030 ME/Af 9440 7480 6955. 2030-2130 ME/Af same. 21-22 Eu 9860 6860 5250 4130.

[Since R Beijing uses more fqs and is generally better audible in NAM when in Spanish than in EG, here is Spanish: -gh] 00-01 17680 15510 12450 11980 11695 11650 11445 9945 9860 9570 8425. 01-02 17680 17650 15200 15100 12450 11980 11650 11445 9945 9645 9570 8425. 02-03 same. 11-1130 9860 6935 5250 4130. 1130-12 same. 21-22 Eu 7375 6590 6430. 22-23 Eu 8660 7375 6430. 23-24 17680 15100 11980 11695 11660 11650 11445 9945 9860 9570 9550 8660 8425.

R Beijing total language-hours per week [not including Russian]: 826. Leading langs by this accounting (disregarding how many fq-hours are involved): EG 119, Std CH 59.30, Cantonese 52.30, SP 49, JP 45.30, VT 42 (WBI 2/1)

C U B A Tele-Rebelde net reported 31/12: TV pgms Mon-Fri'll be reduced by 5hpd while Sat/Sun by 2hpd. To conserve oil; includes cutting back Revista de la Mañana by a sesquihour, half an hour of TR pgming 1630-17, and one hour 23-24 utc; half an hour of nx on ch 6 [TV Cubana net], as well as eliminating pgming at 2200 on ch 6, and several TV & accounting classes. Weekends, the two ch 'll bc Suns 1430-05; Sats, Revista de la Mañana cut back by two hours (WBI 9/1)

more Cuba LMI

C Z E C H O S L O V A K I A R Prague ES in EG: 01-02 As/Am 11990 9740 7345 6055 6015 5930. 03-04 Am same. 0730-08 As/Au 21705 17840 11855. 0830-09(Sat/Sun -0930) As/Au on same. 1430-15 Af/As/Au 21505 17705 15110 13715 11690 9735 9605 7345. 1530-1625 Eu/Af/As 15205 13715 11990 11730 11690 9735 9605 7345 6055. 1630-17 Eu 7345 5930. 1730-1825 Af 15110 13605 11990 11690 9735 9605 7345 7290 5930. 19-1930 Eu 7345 5930. 20-2030 Eu 7345 5930. 2130-22 Eu 6055 1287.

Interprogramme, multilingual incl EG; one hour earlier in summer: 0630-07 opening anmts, pgm pvw; 0745-0748 nx, 0845-0850 comtry; Mon-Sat 0945-0948 nx, 1045-1049 comtry, 1145-1152 nx, all to Eu on 9505 7345 6055 1287 1071. 0030-0055 Eu/Am 9630 6055 1287 (WBI 2/1)

D O M I N I C A N R E P U B L I C R Discovery sked effective 2/1: 0000-0400 UTC Tue-Sat on 6245; 18-24 Sat on 15045, in EG & SP, one kW (Eric Falkenhan, MD)

E C U A D O R HCJB putting a spur on 6280, at 0655, quite strong, 75 kHz above 6205; 6205 minus 6130 = 75 (Bryan D Clark, NZ, Dec NZ DX Times) more, LMI

E S T O N I A [Cf Jan LN-19] Choral anthem at s/off from Tallinn on 5925 is probably hymn of Estonian SSR; it is not the Soviet Union Hymn, which most Moscow outlets play at s/on & which is easily recognized; have never hrd any Soviet stn s/off w/"The Internationale" tho Peking used it many yrs ago (Behr ON) FINLAND, LMI

GERMANY EAST Re Charles Weiss' comments in Jan LN, I agree that the 2145 RBI bc on 6125 is the best to NAM, but certainly not the only one audible as the 2300 on 6125 is just about as good here. The //s at 2300 are not reliable--6165 is weak and not always audible, and 6070 is usually KO'd by co-ch Sofia. It's also worth checking out the 0000 & 0045 on 6080, as these are sometimes listenable. As far as I've been able to tell--thru daily monitoring of RBI--any other NAM fqs are indeed unusable. Here are two to try for their EG to SEAs, capable of being rcvd here. The better is 11920 at 1330, usually hrd w/g strength and w/out much QRM, tho REE in SP is co-ch; this fq, tho, consistently has multi-path echo. The other is 15240 at 1515, tho often ruined by VOA Russian splash from 15235, which is VERY heavily jammed. Still, 15240 is sometimes listenable. Unlike last winter, I haven't had any luck in hearing EG to Eu from RBI (William E Westenhaver, Montréal PQ, 14/1)

GREECE VOG made some changes to D86 sked on 20/11; changes from Dec LN are: 00-0150 NAM & 02-0350 NAM 9395 9420 7430. 04-0450 Arabia/India 9395 9420 7430. 05-0615 ME 7395 9420 7430. 12-1250 NAM 9905 15630 11645 (C Rigas, IL)

H A Y T I Info w/QLS from 4VEH for 4/4/86 reception at 2230 on 4930: since 2 Dec 83 bc on 60m, 1500 watt output power. Ant is slanting dipole and until recently a 2-element delta beam directed on the south end of Florida USA. The beam is not in use now. Pgm on this fq is in FR, Creole, SP--evangelistic, educ & cultural and mx material. Seems they have dropped EG, the lang I hrd in Apr (Salvatore Placanica, Italy, Nov Union of Asian DXers) I thought the only EG even then was just lang lessons--perhaps still sked & considered French (gh)

HUNGARY R Budapest D86 in EG: Eu/ME 1150-1220 M-F 17710 15160 11910 9835 9585 17-1730 & 21-2130 11910 9835 9585 7225 6110 [exc 21 on 7220]. NAM 02-0230 exc Mon, and 03-0330 15160 11910 9835 9585 9520 6025. As 1530-16 17780 15160 11910 9835 9585 exc Sun. Au/NZ 1030-11 21665 21525 17710 11910 9835. DX pgm: Eu 1515-1530 Tue & Fri 15160 11910 9835 9585 6110. NAM 04-0415 Wed/Sat on 15160 11910 9835 9585 9520/6025. Overall sked is dated effective to May 3, 1987, but annotated: from intro of Summer Saving Time [sic], March 29, all xmsn will be one hour earlier [ & wouldn't be surprised at some fq changes too] (via Eric Falkenhan, Baltimore MD) As usual, weekly pgm Hungarian History, carved out of HG-lang timeblox, ignored for purposes of this sked (gh)

Just returned from a wonderful week in Hungary; I sing in a mixed choir and we gave two concerts, one in Budapest in the huge Stephan's Basilika--what a tremendous acoustic experience! Visited R Budapest and met Miss Ilona Kiss of EG sexion who answers all listeners' letters and some of the QSLs. Visitors are welcome, but must phone/write a day before so that a clearance pass may be prepared. Interesting modern cafeteria just opposite the entrance and security desk. RB SW Club publishes DX News several times a year, tech tips, logs, photos, letters (Robert Kipp, W Germany, DSWCI SWN Dec)

INTL WATERS / ISRAEL Monitoring 5-8 Jan: V of Peace, from a ship in Mediterranean off coast of Israel, has resumed bcs following apx fortnight shutdown due to storm-related tech diffs which led to death of a member of ship's crew. Stn first hrd again 5/1; continues previous format of contemp mx, spl mx and nx on the hour; hrd on 100 MHz but not on MW. 8/1, nxpaper "Ha'aretz" reported that a site for anchoring the radio ship along the Tel Aviv coast had not yet been found. Mayor of TA had recently agreed to allow Abie Nathan, shipowner, to stn it permanently along shore because of difficulty w/ storms at sea. But added that TA Shore Development Corp had objected to ship's presence in certain areas. Possibilities such as anchoring at mouth of Hayarqon river or in the Yafu port area were being examined (WBI 16/1)

IRAN VIRI, Tehran reported 13/12: Our correspondent interviewed Mr Hashemi, Managing Dir of the Voice & Vision [Iranian radio & TV svc] re V&V's development plans for the radio's overseas svcs, following his regular meeting with Pres Khameneh'i. Hashemi said: In view of importance of radio for conveying our msg worldwide...we have a plan to set up various SW stns in various parts of the land. Plan was put forward two or three years ago - a few years ago - four or five years ago; and at present four of our extension stns are being set up in Sistan va Baluchestan, Khuzestan and Khorasan [provinces] and some eqp has been purchased and work has already begun on the bldgs. Similarly another

stn is being designed in Kerman prov. In not too distant future it is hoped that this net, particularly on SW, will boast some 50 SW xmtrs (WBI 19/12)

Monitoring 11-12 Jan: VIRI, Tehran now hrd on 6210 // 15084 9022. New ch comes on air at 2015 in readiness for main 2030 nx bulletin; then carries VIRI extl Familiar Voice svc in Persian until apx 2230 (WBI 16/1)

I S R A E L V of Israēl, Jerusalem, reported in Hebrew 29/12: Israēl is prepared to accept some of the US demands on tech matters related to establishment of VOA xmtrs in the Arava, but it'll insist on upholding its economic and other interests. This was decided today in a ministerial consultation held in the PM's office, attended by PM, For Min, Finance Min, Comms Min, and defence establishment offls. Our correspondent Oded Ben-'Ami says contacts betw Isr & US teams on this'll resume w/in a few days, and seems that negos'll be concluded w/in apx 2 months (WBI 2/1) See also INTERNATIONAL WATERS previous page

J O R D A N Per Oct-Nov-Dec sked, EG from R Jordan on 9560 has been extended to 1230(formerly 1500)-1700 (Salvatore Placanca, Italy, Dec DSWCI SWN) Are you sure this applies to SW 9560? The EG span on AM/FM has always been longer than SW. WRTH 87 still says 15-1730 (gh)

K I R G H I Z I A is presumed to be the Russian on 4050 16/12, a good day propagationally, as it faded up and then out dramatically, between 1135 and 1205. It was VP at 1135, F 1140-1150, back again to VP by 1205. On the rare occasions I have logged this far-off stn, this has invariably been its f/in/out pattern. I have only logged it in Dec & Jan. Pgm was bits of cl mx w/M ancr in RS, 6 pip and natl svc IS at 1200; has anyone ever gotten a QSL for this? (Max Greenwood)

K O R E A N O R T H R Pyongyang S Korea & Japan svc in Korean: \*2000 on 6400 6250 3320 855 801 730 684 657. 2300 change to 6400 6250 3320 3250 855 801 783 730 684 657. 0100 to 6400 6250 3320 855 730 684 657. 0550 to 6400 6250 3320 3250 855 801 783 730 684 657. 0830 to 6400 6250 3320 855 801 783 730 684 657. 0900 to 6400 6250 3320 855 801 730 684 657. 0930 change to 6400 3320 855 801 730 684 657. 1500 to 6400 6250 3320 3250 855 801 783 730 684 657. 1800 to 6250 3320 3250 855 801 783 730 657. 1900-2030 on 3250 855 783 730 652. In general, nx on the hour, and; pgm for Koreans in Japan 2130-22 and 1030-11.

Additional data: spl xmsns of msg in numerical code and entertainment, believed to be for selected listeners in S Korea and/or Japan are obs: 04-0430 (irregular, no fqs hrd this period); 10-1030, 12-1230 & 14-1430 on 5871 & 4771. 15-1520 on 6400 3250 855 783 684 657, or 6250 3320 801 730. Daily opns and end times of xmsns vary (WBI 2/1)

K U W A I T R Kuwait on 9760 is my unID in Jan 1N-25; hrd again 15/12 in AR 1500-2211\*, under RCI from 2200 (Ernie Behr, Kenora Ont)

KUNA nx agcy, Kuwait, reported 31/12 from Riyad: W/beginning of New Year Thu member states of the Gulf Cooperation Council'll begin a new move in media. V of the GCC will begin from Kuwait from Sat 3/1... 3 hours daily 07-10 on 540 1134 6055 9840 11990 15495; and as from 1/1, the radio stns of the GCC members'll exchange ancrs according to a rota prepared by the GCC Genl Secretariat, in force for a whole year. Also TV. Each member state'll send one ancr and rx one in exch. Editors will also be exchanged.

KUNA reported 2/1: Kuwaiti Info Min, Shaykh Nasir Muhammad al-Ahmad al-Jabir ancd that for the Islamic Summit Conf in Kuw, from 3/1, RK'd begin a new bc svc to be known as R of the Islamic Summit Conf; daily 10-16 thru Jan on MW & SW--pgms re conf in addn to daily nx, reports, interviews w/delegations, spiritual aspects, Islamic issues such as Jerusalem, Kuw rels, Isl tolerance & coöp. Monitoring 3-5 Jan: hrd \*0950 apx w/open anmts, Koran recits; 1000 relay RK Genl Pgm nx; ancd as on 15505 15495 9750 1341 for Eu/NAM/NAF/FE/Gulf/Arab Peninsula. Also hrd on 11990. SW ch taken from RK Genl Pgmme while MW normally carries 2nd Pgmme (WBI 9/1)

L A O S Monitoring 23/12: National R of Laos Domestic Svc currently hrd on 5160 LSB 2300-0230, 0330-0700, 1120-1400. S/on times for first & third xmsns are irregular. Xmsn is // main SW fq 6130 (WBI 2/1)

Apparently postdates copy of 'list of fqs' received via registered mail 31/12 on next page, w/times in GMT, \*\* denoting fornlangs--note last two fqs, recently added Soviet relays tho not specified as such (gh) Suspect typo for "5000" Xi-engkhouang--probably should be 5400; new HFs are to Eu (Bill Matthews, Col OH)

575	SAVANNAKHET	2230-0100, 0430-0600, 1100-1400
580	VIENTIANE	2130-0230, 0400-0700, 0900-1600
640	VIENTIANE	2130-0230, 0400-0700, 0900-1600
670	XIENGGKHOUANG	2300-0200, 0400-0600, 1000-1400
800	OUDOMXAY	2300-0200, 1000-1300
850	LUANG PRABANG	2300-0200, 0400-0600, 1000-1400
1000	HOUAPHANH	1255-1425
1030	VIENTIANE**	2300-0130, 0400-0630, 1130-1400
1350	PAKSE	2300-0200, 0400-0600, 1000-1400
4500	HOUAPHANH	2300-0100, 0330-0530, 1000-1155
4250	OUDOMXAY	2230-0130, 1100-1400
5000	XIENGGKHOUANG	2300-0100, 0400-0600, 1000-1400
6130	VIENTIANE	2130-0230, 0400-0700, 0900-1600
6600	PAKSE	2300-0200, 0400-0600, 1000-1400
7000	LUANG PRABANG	2300-0200, 0400-0600, 1000-1400
7145	VIENTIANE**	2200-0230, 0400-0700, 0900-1600
7385	SAVANNAKHET	2230-0100, 0430-0600, 1100-1400
11870	VIENTIANE**	1100-1130
15190	VIENTIANE**	1100-1130

LEBANON Monitoring 20-23 Dec: Beirut nypaper Al-Nahar carried ad 20/12 that from 21/12 stn called V of the People [Arabic: Sawt al-Sha'b] 'd begin test xmsns on 1188 kHz at 05-17. 22/12 & 23/12 stn monitored on 1188 at this period w/AR & western mx; no smnts or ID hrd (WBI 2/1) [more below]

Algerian R, Algiers reported 3/1 in the PLO-produced V of Palestine pgm: Pal info source in Leb ancd that V of Pal, V of the Pal Rev, stn has started to relay pgms from besieged Pal camp of Ayn al-Hilway near Sidon in south Leb. Added that pgmses'll contribute towards directing armedstruggle waged by sons of our people inoccupied homeland and relieving burden of tragedy of our people in camps which are subjected to a war of annihilation by gangs of Amal-Barri and the Syrian regime. Info source said VOPR will bc 12hpd (WBI 9/1)

Monitoring 12 Jan: The stn w/mainly Leb mx on 1188 IDed as Sawt al-Sha'b at 1450 12/1 (WBI 16/1)

LIBYA MENA nx agcy, Cairo reported 29/12: MENA has learned that the USSR is currently constructing and supplying equipment for a long-range radio & TV xmsn stn in the Awbari region north [sic] of Sabha, in Libya. It is planned that xmsns from this stn'll eventually reach eastwards to the Kingdom of Saudi Arabia, westwards to the Atlantic Ocean, and southwards to the Equator. This is being done in response to the US construction of a VOA xmtg stn in the Negev in Israel, which is directed basically at the Soviet Union and the countries of West Asia (WBI 2/1) Ergo, shortwave?

Monitoring 9-14 Jan: Libyan radio is now using 4920 from about 1600+ for its DS, // 15415, and other Ljbyan fqs. 4920 is the main channel for the Chadian Natl Radio stn in Ndjama. After about 2000 on 12/1, what sounded like jamming hrd instead of Libyan radio, causing severe QRM to Ndjama. Sig remained on air after Ndjama s/off 2200. Similar pattern 13/1. 13/1, DS of Libyan radio found on 7120 at 1000--daytime fq of Chad; when checked at 1400 14/1 jamming hrd here (WBI 16/1)

MACAO see CHINA

MALAYSIA Straits Times, Singapore, reported 23/12: R Malaysia is to stop 25-yr-old Tamil, EG, and Mandarin svcs on MW from 1/1, per Malay Mail. These will only be on FM, but Bahasa Malaysia pgms will not be affected; to save money; protests from some listeners, especially Tamil (WBI 2/1) No mention of SW, signifying: 1) no effect on SW; or 2) SW not worth mentioning

MALI Malian R reported 12/1: Rehabilitation work on four radio xmtrs offered to Mali by the PR of China in (?1970) began this morn. A friendly meeting was organised at the stn for Chinese & Malian offls... (WBI 16/1)

MEXICO XEUJ Linares, 5979.7, hrd from 1303 w/SP talk & mx, 1405 relig pgm & Hymns, 1417 ID, mx to 1430 f/out; F sig Sun 21/12, just after s/off of TGMJA on 5980.8 w/marimba mx to 1303\* (Ernie Behr, Kenora Ont)

N E P A L Radio Nepal is now using 3230 ex-7165 for morn & eve xmsns, // 5005. 7165 continues for aftn (Supratik Sanatani, India, Dec IDXC1 ADXR)

NETHERLANDS ANTILLES, NEW ZEALAND, NICARAGUA IMI  
N I G E R W/QSL from R Niger, Niamey, sked does not list EG Suns at 1715 as in WRTH, but propogation prevents confirmation of this (S Placanica, Italy, UADX)

N O R W A Y R Norway Intl, Oslo, weekly bc in EG: Mon 00-0030 Am 9605 6035. Mon 04-0430 ME/Af 9630 9530. Mon 05-0530 ME/Af 11865 9620. Rest Sunday: 10-1030 Af/As/Au 15230 15180 11865 9590. 13-1330 Eu/ME/Af/As/Au/Am 17770 15310 15185 9590 6040. 14-1430 As/Au/Am 15315 15310 9530 7255. 16-1630 Eu/As/Am on 15310 7290 5990 1314. 17-1730 Eu/ME/Af/Am 11850 9655 9590. 19-1930 Eu/Af 9590 7125. 20-2030 Eu/Af/Am 9525 7125. 22-2230 Af/Am 9605 9525 (WBI 19/12)

P A K I S T A N R Pakistan changes in D86 sked: 0045-0230 WS SEAs 15115 & 11745 only. 0230-0245 slow nx on 15115 11745 7315 15580\* 17660\* SEAs. 03-0345 Swahili 11800\* ex-11790//15175\*. 04-05 Gujrati 11800\* ex- 17745//15175\*. 0430-0645 WS Gulf/ME 12015 ex-12005, // 15605 17660. 0715-0815 Burmese 15370\* ex-15 595, // 21475 17640\*. 1015-11 Indo 17870\* ex-15560, // 21475\* 17620. 1115-1230 Hindi 9495\* 11640\* ex-9505\* 11672\*. 12-13 newtime for Arabic 11615 ex-17660, // 15595. 1230-1445 Bangla 7225 9790 ex-15580 11995. 1315-1545 new time for WS to Gulf/ME 11615 7365 6070\* ex-17660\* 11925 15595; // 9465\*. 16-1615 add EG nx & comtry and 1615-1630 retimed slow nx for Gulf & ME same fqs as 1315; Eaf 15115 ex-15515, //11735. 1645-1745 Turkish retimed 11640 6070\* ex-12025 9860, //7315\* 1645-19 WS UK 7100 6205 ex-9455 6230. 1915-2015 FR Eu 6205 ex-9465; N&WAF 7365 ex-11640. \* indicates Karachi; others Islamabad 100/250 kW. Other svcs not indicated are unchanged exc Dari 16-18 discontinued. [BBCMS version: see IMI]

HS from Is'bad now: API-1 0830-10 on 9545, 1330-16 on 4780. API-2 0045-04 03 on 5095, 06-1145 on 7290, 12-1337 on 6130, 14-1803 on 3980; incl EG nx 03-0307, 08-0803, 11-1103. API-3 10-1145 on 6090. API-7 on 5905: 01-0105, 02-0215, 03-0307, 0330-0337, 04-0403, 05-0503, 1330-1337, 14-1407. on 9645 06-06 03, 0630-0634, 07-0703, 09-0903, 10-1005, 1230-1303 incl nx in EG 03-0307, 05-0503, 13-1303; on 4025 15-1530 & 18-1803. API-8 'Azad Kashmir' no changes. No trace of 3660 Muzzafarabad says S Weerakoon in Media Monitor; Sheena svc on API -4 extended 0945-12 on 6170. Link svcs: 0230-0245 only on 5905; 0715-0815 on 9645; 1015-11 on 9645; 1115-1230 9645; 16-1630 4025; 1645-1745 4025.

Regional svcs: Rawalpindi 0045-04 (Fri 05), 06-11 (Fri 06-0820 & 10-11), 1115 -1445 all on 5010; 15-18 on 3200. Peshawar 13-1345 on 4950, 14-15 on 3330. Quetta 0045-04 (Fri 0345), 11-16 & 1745-18 on 4880; 06-1045 (Fri 04-0820 & 10-10 45) on 5980. Karachi 0215-0545 & 14-19 on 4815, 02-0210 & 03-0310 possibly still using 5930 (Noël R Green, UK, Dec DSWCI SWN)

P A R A G U A Y / A R G E N T I N A Telam nx agcy, Buenos Aires, reported 24/12: LRA-8 R Nacional Formosa was jammed late last night [23/12] as it was being a pgm about R Nandutí, a Pg stn in opposition to the govt of Genl Alfredo Stroessner. Jamming presumably originated in Pgy. This was reported to Telam by LRA-1 R Nacional Buenos Aires. Néstor Sclauzero and Enrique Gliezer, presenters of the 'Los Protagonistas' pgm, which is bc over a net that includes LRA-1 R Nacional Bs As, LRA-8 R Nacional Formosa, LRA-12 R Nac Santo Tomé (Corrientes) and LRA-16 R Nac Puerto Iguazú (Misiones) report that the pgm was jammed for 42 mins, 0000-0042. Jamming peaked during a report on RN's Dir Humberto Rubín by Arg journalist Bécker Casabelle. The journalists reported that this had forced LRA-8 R Nacional Formosa to end rexmsn of the pgm (WBI 2/1) Why? +IMI

P E R U R Moderna noted at F level on 4299, 16/12; realize this is usually 4300, but my reading this night was 4299. Only listened briefly, but many IDs between 0327 & 0332 (Maxfield Greenwood, Sedgwick ME)

P H I L I P P I N E S Vatican R reported in German 15/12 from Manila: 14/12, Cardinal Josef Hoeffner inaugurated a new 250 kW xmtr for R Veritas (WBI 19/12)

P O R T U G A L A new law regarding the licensing of non-govt'l radio stns is causing a furore, especially in regard to its possible effect on R Renascença and how completely it may cover the country on AM & FM; no mention of SW (gh's summary of about 4 pages total in WBI 2/1, 9/1, 16/1)

S A I P A N KFBS, 17745, 0100 27/11, poor in Burmese gospel pgm //15250 hrd

once in Nov under VOA; at present unseems using 19 mb (Anil Kumar Agtawal, Agra India, IDXC I ADXR) What about hurricane knockoff? unusual to conflict w/VOA

more SAIPAN LMI and see also USA below  
S O U T H A F R I C A R RSA, in EG: 02-03 [sic] Am 9615 6010 5980. 03-0430 Af 9585 7270 5980 4990 3230. 0630-0730 Eu/Af 17780 15270 11900 7270. 11-12 Eu/ME/Af 21590 15220 11900 7270. 13-16[sic] Eu/ME/Af 21590 15220 7270. 21-22 [sic] Eu/Af 11900 9585 7270. (WBI 19/12) Some pgms are also shown, including DX Corner Sun 0650-07, Mon & Thu 1303-1315, but this is incomplete, as I also hrd in late Dec UTC Mon 0240, presumably repeat of Sun 2140 (gh) more, LMI

Ś R I L A N K A Trans World Radio, Viswawani--to go on SW any moment, 1330-1530 on 11835; 35 kW xmtr; decided to use 25 instead of 31mb because curtain ant is available at this time on 25. Test will consist of recorded mx, EG IDs. When tests begin, All Asia Svc will lose 15425 as this is the xmtr for TWR. Reception here in Colombo may be difficult due to skip zone. Contract details under which TWR was permitted to set up the stn in ŚL are that they shall not use the three langs used in ŚL--Sinhala, Tamil, English, because ŚL is almost 70% Buddhist and the authorities felt that Christian bcs on MW wouldn't be in line. However, there is no such restriction for HF opn (Victor Goonetilleke, UADX Dec) Changed to 1230-1430 on 11825 (Alok Das Gupta, India, Jan ADXN) more, LMI

S U D A N Monitoring 25-27 Dec: DS from the R of the Rep of Sudan in Omdurman obs on 9602.6, to 2030\* 26/12, and \*0450 27/12; eves // 1296 (WBI 2/1)

S W E D E N RSI in EG: 0230-03 As/Au 11950=USB 7275. 0330-04 ME 11705. 0930-10 As/Au 15390 9565. 11-1130 Eu/ME/Af 15245 9630 6065(not Sat/Sun). 1230-13 As 11735 7175. 14-1430 Am 15345 9695. 16-1630 Eu/Af/As 9660 6065 1179. 1830-19 Eu/ME/Af 9715 9605 6065. 21-2130 Eu/Af 9700 6065 1179. 23-2330 Eu/Am 9695 6045 1179 (WBI 19/12)

T H A I L A N D R Thailand EG hasbeen putting F-G sig here; on good days after s/off of unID powerhouse at 1155 apx on 9655. All info for its ES is given at 1228, and agrees w/WRTH [86] except for its first bc, which they announce as 2330-02 but WRTH lists as 2300-0430. At 1230, 4-min mx break, 1234 M in EG announces commencement of Cambodian svc; also play their gong IS at this point. Noted 15/12, 16/12, 17/12, 18/12 but was poor on the 15th. They also announce their 11905 fq as being active (Maxfield Greenwood, Sedgwick ME)

R Thailand hrd w/nx in EG 23/11 0206 on 11906, SINPO 43542 (A J Sampath, India, Dec IDXC I ADXR)

T U N I S I A Monitoring 2-10 Jan produces this new SW sked for DS in AR from Tunisian R: 0430-08 12005 7525 7310. 08-09 12005 11550. 09-0930 15450 12005 11550. 0930-16 17610 15450 11550. 16-18 7485. 18-19 12005 7485 7310, 19-21 12005 7310. 21-2330 12005 7485 7310. ES in AR 16-18 12005 7310, 19-21 7485 (WBI 16/1)

U K O G B A N I AFRTS repeater in Wolvey, hrd on 9236 USB 19/7 2104 in EG, SINPO 54544 (Adolfo Arto Serrano, Piedratajada, Zaragoza, Spain, Aug-Sept 1986 Dial of the Asociación Diexista Aragonesa)

U S A ON RNMN 1/1, Annetta Robinson of WCBN [sic--now I keep seeing this reprinted elsewhere altho WCSN is the correct call--for Christian Science Network -gh] Boston said test bcs would start sometime mid to late Feb 1987. And that they are still deciding on exactly what pgming to put on KYOI and how soon--whether to have it all in JP or not (WBI 9/1) more, LMI

U S S R Murmansk on 5930, hrd Sun 11/1 from 1300 in RS to 2102\*, via polar night path; G, steady sig all day, even tho my QTH was in bright sunlight from 1430 past s/off; at 1300 Moscow TC and long war drama, 1500 local IS, "Govorit Murmansk" & mx, 1600 Moscow nx, etc. 1712 local drama, 1830 Moscow mx & talks, 2100 chimes for midnite & Soviet NA to 2102\*; no trace of Prague on 5930 which is v'y strong some days from 1800. Also noted weak sig on 5925 in RS to 1500 f/out, 11/1, perhaps Tallinn. Cf Dec LN-28: Dudinka in remote Taymyr region of N Siberia, listed on 4425 or 4975 for decades but never reported by DXers; is about 40 mi further N than Murmansk; the only 2 SWBC sites above the Arctic Circle (Ernie Behr, NW Ontario) WRTH 87 mentions only 4975 (co-channel Dushanbé), but no power or time; even location is uncertain; RDI lacks it on either fq (gh)

Sveriges Riksradio, Stockholm, reported 14/12: The Soviet Union is to abandon the jamming of Western radio xmsns from the beginning of the year, reports our Moscow correspondent, who has received the report from well-informed sources in the Soviet capital. The Sov xmsns have disrupted xmsns in Russian by such bcers as the BBC and VOA, and thus it has most affected the Soviet citizens who want to listen to foreign radio stns (WBI 19/12) Soviet jamming of BBC-Russian indeed ceased 20/1, per various press reports, but not yet VOA (gh)

[Cf Jan LN-23] The new 30-min "Focus on Asia and the Pacific" pgmme in RMWS is per monitoring 3-15 Dec xmted 5 days a week at 2310, 0110, 1010, 1510, starting with 2310 Mons, and ending with 1010 Sats. Over the weekend, only a 10-min version is bc, at 1531, 2331, 0131, starting with the 1531 on Sats and ending with the 1531 on Mons (WBI 19/12)

RMWS as monitored in Nov & Dec: 0000 - 7350. 01 - 17880 17825 7350. 02 - 7350. 03 - [not hrd]. 04 - 7185 7165 6130 6000 5940. 05 - 7420 7370 7165 6175 6130 6105 5940 5915 5905. 06 - 9450 7420 7370 6175 6105 5940 5915 5905. 07 - 9450 7370 6105 5905. 08 - 9450. 09 & 10 - [not hrd]. 11 - 13790 6000.

12 - 15595 15585 15475 15225 13790 13665 9450 7420 6000. 13 - 17735 17655 15595 15585 15530 15490 15475 15225 15110 13790 13775 13665 12055 11840 9820 9810 9755 9450 7305 7265 7230 7135 4825. 14 - 17735 17655 15595 15585 15490 15475 15225 13790 13775 13665 11840 11705 9820 9810 9630 9620 9450 7345 6155 6095 5950 5905.

15 - 17735 17655 15585 15475 13790 11840 11705 11670 9895 9820 9810 9630 9620 9450 7345 7195 6155 6095 5950 5905. 16 - 11840 11670 9895 7345 7250 7195 7150 7115 6155 6095 5905. 17 - 11840 7345 7195 7150 7115.

18 - 11840 7345 7250 7195 7150 7115 6155 5905. 19 - 11840 9875 7345 7250 7195 7150 7115 5905. 20 - 11840 7310 7250 7195 5905. 21 - 12050 11840 9810 9620 7310 7195 7150 5945 5915 5905. 22 - 13665 9620 7400 7340 7175 7115 6175 6140 6075 6035 5945 5915 and 9810 9875 12050. 23 - 7350.

R Moscow to GB & Ireland 20-21: 7150 7115. R Moscow NAM svc: 2300 on 15455 15425 13665 12050 7310 7215 7150 7115 5915. 00 - 15455 15425 13665 12050 11770 7310 7215 7150 7115 6045 6000 5980 5940 5915. 01 - 15455 13665 12050 7310 7215 7115 6070 6045 6000 5980 5940 5915. 02 - 13665 12050 7215 7115 6130 6070 6000 5980 5940 5915. 03 - 12050 9580 7115 6130 6095 6070 6000 5940 5915.

04-08: not hrd/monitored (Christos Rigas, Chicago IL, 22/12)

BBCMS provides schedules for All-Union Radio domestic service programs on SW; each frequency usage is complex and actual times of opening & closing of different fqs is not specified. Thus I'm just going to give the overall span of each pgm and all the fqs that are listed during at least part of that span altho many are on for hours at a time (gh)

AUR First Pgmme (M1) 02-22: 6920=USB 6822.5=USB 6010 6000 5965 5945 7350 5910 14410=USB 11915 15520 15265 15210 13735 12045 11775 9800 9670 9775 9540 7250 17840 6155 7340 6095 5040 4785.

AUR R Orbita-4 (M1D) 2359-20: 9490 7410=LSB 6090 5970 5015 4825 4050 4485 9865 4820 11630 7280 15600=USB 15185 9895 9780 5905 6040 4895 4055.

AUR R Orbita-3 (M1C) 2159-18: 7325 7195 6195 5290 4975 12205=LSB 12040 11780 11750 9605 6070 7400 7325 7115 6825=LSB.

AUR R Orbita-2 (M1B) 1959-16: 6390=USB 11825 14850=USB 6805=USB.

AUR R Orbita-1 (M1A) 1759-14: 9905=USB 6035 4485.

AUR R Mayak (M2) [I'll just pick out the SSB fqs -gh] 24h: 8005=USB 6825=LSB 12205=LSB 6890=LSB 6920=LSB 5015=LSB 16330=USB 13735=USB 8125=USB 6822½=USB.

AUR Third Pgmme (M3) 04-21: 5035 11690 16330=LSB. AUR Third Pgmme (Double) (M3D) 02-19 8125=LSB. AUR Third Pgmme (Double) (M3C) 00-17 6390=LSB 6805=LSB. AUR Third Pgmme (Double) M3B 22-16: 13710=USB 6987.5=USB 14850=LSB 6890=USB. AUR Third Pgmme (Double) M3A = not yet in existence. AUR 4th Pgmme (M4) MW & FM only.

AUR Fifth Pgmme (composite svc for Sov seamen & compatriots abroad) 24h; excerpts: Fri 22-23 For Soviet Fishermen, from Leningrad on 5950 1494. For Those At Sea, daily 0045-0130 on 9865 9810 9795 9775 9630 9590 7380 7340 7230 7205 6076 5960 5950 4060; repeated at 0715-08 on 21625 17860 17835 17815 17765 17610 15530 15495 15260 15220 15210 13735=USB 12020 11870 11850 11830 11655 9855 9845.

Radiostantsiya Tikhyy Okean: 0815-09 on 17825 17590 15595 9905=USB 9885 985 9845 9635 9530 7392.75=USB 9345 7210 6190 6175 6150 6090 6035 6020 6000 5905 4485 4050 245 236 (Sat & Sun also 9600 7320 5940 155). 1315-14 from Vladivostok on 5015 810. 1930-2030 Vlad on 9845 9450 7380 7315 7280 7245 6180 6115 6035 6000 5015. [Pacific Ocean Radio stn, usually includes EG nx on Sats -gh]

Radiostantsiya Atlantika (from Riga S/M/W/T/S; Murmansk Tue & Fri) at 13-14 on 17880 17745 17710 17680 17580 15495 15210 13735 12070 12065 11980 11850; repeated 1630-1730 on 9890 9820 7420 7320 7310.

For Soviet Specialists in Asia & Africa, Tue/Fri 09-0940: 17860 17840 17710 17680 15550 15495 15485 15260 15230 15220 15200 13735=USB 12065 12020 11980 11960 11930 11890 11870 11850 11830 11785 11770 9635=USB. For Soviet Specialists Abroad, Tue 1730-1800 on 9890 9820 7420 7320 5905.

Radiostantsiya Rodina: 2330-0030 on 9890 9865 9810 9775 9630 9590 9480 7420 7400 7380 7340 7165 6200 6075 6050 6000 5960 5950 5920 4060. 02-03 on 9890 9865 9810 9775 9630 9590 9480 9450 7420 7400 7380 7340 7265 7230 7205 7165 7140 6200 6185 6175 6165 6000 5960 5950 5920 4795 4060. 14-15 on 17880 17745 17680 17580 15495 15465 15210 13735 12070 12065 12040 12030 11980 11850 11830 11770 9865 6185. 20-21 on 9890 9795 7205 6050.

News for Polar Regions: Mon & Wed 15-1530 on 9490. TASS Dictation-Speed Broadcast for towns and rayon newspapers, Mon-Fri 07-09 on 9850 9730 7420 7340 6770 5780 837 (WBI 16/1)

VATICAN Vatican R, 9647, 14/9 0505, EG relig pgm, still audible on off-fq in IT at 0831 (Bryan D Clark, NZ, Oct NZ DX Times)

VENEZUELA Info on the Venez baseball championships: there are three games a day with Monday the only rest day; so if you listen early UTC Tues you will not hear any games, but more musical and local programming. The championship lasts four months, Oct-Jan; the top four go to a final series, and the winner of this represents Venezuela in the Juegos Internacionales del Caribe de Béisbol, which takes place every year in Feb (Javier Alberto del Cura, Mérida, Venezuela, via Play-DX 29/12)

VIETNAM VOV and 10/1: from 20/1, EG at 10, 11, 2330 will be on 9765 ex-9840, // 12035. Also at 1330, 16, 18, 19, 2030 on 9840 ex-10040, // 12020. But an anmt on VOV Thai svc gave replacement for 9840 as 9755 not 9765 (WBI 16/1)

YEMEN PDR Aden on 7190, from 1720 AR mx, 1800 AR nx & mx, 1817 "Saut ul-Filistin" pgm; strongest sig on band 25/12 & other days, sounds like 500 kW, not listed 100, on the D1835 rx (Ernie Behr, Kenora Ont)

YUGOSLAVIA Strange as it may seem, ITU THFBS via WBI 19/12 shows that R Yugoslavia's Spanish at 00-0030 & 01-0130 is not only to Am but to Eu and ME on 11735 9620 7240. So I hope all you Spanish-speakers in the Middle East appreciate the trouble RY is going to for you in the middle of the night! (gh)  
EG: 1530-16 Eu/ME/As/Au 15240 7240. 1830-19 Eu/ME/As 11735 7240 6100. 20-2030 Eu/ME 9620 7240 6100. 2215-2230 Eu/ME 9620 7240 6100 1269.

Multilingual DS relays: 07-11 Sat & Sun on 11735 9620 7240 for Yugoslavs working abroad: Sun 07 Sarajevo in SC, 08-09 Pristina in Albanian, 09-10 Skopje in Macedonian, 10-11 Zabreb in SC. Sat 07-08 Novi Sad in Hungarian, 08-09 Titograd in SC, 09-10 Ljubljana in Slovene, 10-11 Belgrade in SC. Daily 21-21½ on 9620 7240 6100: Sun Belgrade in SC; Mon Ljubljana in Slovene & ENGLISH; Tue Zagreb in SC, Wed Sarajevo in SC; Thu Pristina in Albanian & 2115 Novi Sad in Hungarian; Fri Titograd in SC, Sat Skopje in Macedonian. Also: daily 2245-23 R Capodistria in Italian on 9620 7240 6100 1269; Thu 23-2330 SC pgm for seamen, an edited version of a R Zagreb xmsn comprising material from various Croatian stns, on 9620 7240 6100 1269 (WBI 19/12)

ZAIRE LV du Zaïre, 15245, 22/11 1748 hilife mx, FR anmt 1801; 45544; some days also hrd arnd 0130 (A J Sampath, India, Dec ADXR of IDXCI)

CLANDESTINE CRANNY V of National Salvation [Korean: Kugukui Sori Pangsong], of the 'South Korean National Democratic Front' favours reunification from the N Korean point of view. First hrd 26/8/70, under the name V of the Revolutionary Party for Reunification until 15/8/85; xmtrs believed in NK. All xmsns on 4557 and 1053 kHz daily to As: Korean 03-05, 10-14, 15-1630, 20-22, and relaying nx from KCBS Pyongyang at 22-2230; EG at 14-1430 (WBI 2/1)

Echo of Hope on this sked since 1/12: 02-05 6348, 09-12 & 14-17 3985, 20-21 on 6348 (Toru Yamashita, Japan, Asian Broadcasting Institute)

V of the People does not radiate from xmtr site of Echo of Hope. This was confirmed when traveling to S Korea (Toru Yamashita, Japan, ABI) [Cf Dec IN-30] Correction: bc time of this stn as 22-23 should read 20-21 (T Kondo, ABI ed)

R Red Flag (Chinese Std: Hongqi guangbo diantai), believed to be in or near Khabarovsk, continues untraced as of 19/12; last IDed on 995 kHz 29/11/86. First noted 11/9/71 by ABI member Hideharu Torii; had bc comtry and nx critical of Chinese policies in Std CH at 1245-1250, 1315-1320, 1345-1350, 1415-1420. The number of bc days per month has decreased since late Oct 1986: monthly tallies of bc days per month: Jan 26, Feb 22, Mar 28, Apr 26, May 25, Jun 20, Jul 22, Aug 4, Sep 19, Oct 16, Nov 7 (S Suga, ABI 3/1) & see below

First August R Kyodo nx agcy, Tokyo, reported 25/12 in EG from Tokyo: Radio stns opd by USSR to stir discontent in China have gone off the air, per sources here. They speculate that Moscow has halted the bcs as another move in its effort to improve rels w/Beijing. The so-called First August Radio [Radio Ba Yi] and Red Flag R, both based in Soviet Siberia, have not been hrd for a month. FAR, named after the date the PLA was founded in China, began bc'ing in Mar 1979 shortly after Chinese forces pushed across the Viet border to 'punish' Vietnam for invasion of Kampuchea. Stn purported to speak for disgruntled elements w/in Chinese armed forces and was regarded as a Sov effort to undermine policies of Chinese leader Deng Xiaoping, per the sources. Its sharpest attax were directed against China's relations w/the US and Japan. Red Flag R, which started in 1971, attacked Maoism during the Cultural Revolution and later claimed to represent dissatisfaction in China w/Deng Xiaoping's reform policies after Deng was rehabilitated. [BBCMS ed note: FAR last obs on 12120 at 1215 2/12; however, in the past it has been absent from the airwaves for long periods] (WBI 2/1)

V of [National?] Army of Democratic Kampuchea, hostile to Viet-backed govt of Kamp, in Kamp on 5200 2315-00, 10-1430; noted w/stronger signals. Pgmng is also changing from the dreary format to one w/lot of modern Kamp songs w/modern accompaniments and lively anmts (Supratik Sanatani, Dec IDXCI ADXR)

V of the People of Malaysia ancd 29/12: From 1/1/87, Cantonese will be discontinued, while Malay, Std Chinese (Mandarin) and Tamil svcs'll be bc twice daily --Malay 22-2230 & 13-1330; Std CH 2230-23 & 14-1430; Tamil 23-2330 & 1330-14. [BBCMS ed note: til now this stn on 7050 supporting Malaysian Communist Party, had bc three half-hour xmsns a day in Cant & Std CH] (WBI 2/1)

V of Tamil Eelam of the Tamil Eelam Communist Party is a Tamil separatist stn hostile to the Sri Lankan govt in Colombo; first monitored 6/11/86, tho stns w/this name have been known to exist since latter half of 1983; hrd on 7010 at 0430-0530 & 1330-1430 in Tamil, w/occl items in EG (WBI 19/12) V of Elam [sic] hrd on 9705 // 7010v, both jammed, in Tamil 1332, SINPO34543 (A J Sampath, India, IDXCI ADXR) At 1405 21/12, VOTE ancd it was on new 9700 // 7010 (WBI 2/1)

There is still a great deal of confusion since there are two stns claiming to be VOTE, one the real cland, and the other 'black' cland operated by the SL govt. From this distance it is very difficult to sort out, but I suspect the BBC MS of assuming the fake one is the real one; you would think that they would bring their usual expertise in content analysis to bear. Parts of the following lengthy reports from IDXCI also seem contradictory, but are reprinted here as given (gh)

V of Tamil Eelam, operated by the People's Liberation Organisation of Tamil Eelam (PLOTE). Recently I took the risk of writing to this stn, and got a reply from their 'Madras addr' w/pgm sked and letter. The sked in UTC, on 41 & 49m: Tamil: S/S/W 0230-03, 1030-11, 1330-14. EG: Sat 03-0330 & 14-1430, Sun & Wed 11-1130. Singala[sic] Sat 11-1130, Sun & Wed 03-0330 & 14-1430. The stn was last hrd 20/11; as of 10/12 still not hrd here at Neyveli (G R Prahlada, IDXCI)

Eelam Radio (Tamil: Eelam Vaanoli) hrd for first time 15/11; believe this to be operated by another Tamil group, Eelam People's Revolutionary Liberation Front (EPRLF). Hrd only in Tamil, daily 0330, 0930, 1430; does not mention duration of ea xmsn, but it's 35 mins. Doesn't give any info about fq or addr. Is strong w/good mod on 41m hamband; but not hrd here for past few weeks at sked times. More info needed (G R Prahlada, Dec IDXCI ADXR)

Puligalin Kural, operated by Liberation Tigers of Tamil Eelam (LTTE), only in Tamil. Latest sked as ancd: 7010 at 1030-11 and 1545-1615; also says testing at 0130-02 UTC on 7010, asking for listener comments and reception reports. Is using 2 fqs on 41m w/same pgm, both severely jammed, worst at 0130. 20/11 anmt of 6150 and 7010, but due to unavoidable circumstances and poor security for members in the xmtg stn, unable to bc on 6150; at present on 7010 only. If this fq distributed, listen on adjacent fqs. There is a small change of addr, previously given as: A. Rajaram, No. 928, Adayar, Madras 600020. Now it's Radio Section, No. 928, Adayar, Madras 600020. In recent days, not hrd at sked times on 7010, perhaps due to jamming; wrote to this addr but no reply yet (ibid.)

V of Tamil Eelam (pseudo stn operated by Sri Lankan govt) A small change in ID, previously just V of Tamil Eelam, but now "You are listening to Voice of Tamil Eelam operated by the Communist Party of Tamil Eelam". Hrd w/TM pgms 4 times a day: 02-03, 0430-0530, 10-11, 1330-1430; latest sked is ancd as 0430-0530 & 1330-1430. Also says has cancelled xmsns at 02 & 10 UTC; "we are not responsible for any other pseudo (false) bc". This stn's sig is vy strong compared to others; on fixed fq on 41m (must be 7010 used by LTTE stn Puligalin Kural) [sic]. Stn begins w/comtry in Tamil for first 5 mins then comtry in EG or Tamil songs; after first half hour, nx in TM hrd for 10 mins, then TM songs for 10 mins, and finally EG nx. Any important anmt will be made after comtry or nx. I don't find this stn on 31m. Sometimes suffers jamming, starting w/nx & anmts part of bc. Jamming seems weaker and not very effective. Sig from the pseudo is vy strong to overcome jamming. Stn does not move to adjacent fq when jammed. Recently I was monitoring pseudo at 1330 on 41m to end of pgm at 1430; immediately I hrd anmt in Tamil by another stn on same fq: "Dear listeners, the stn you hrd was a pseudo stn ID-ing as VOTE". Next day, pseudo stn 1430\* followed by strong jamming, no such anmt hrd. 7/12/86, hrd this anmt from the pseudo: "The Sri Lankan govt jammed our pgms last Sunday at 10-11 UTC. The govt, after jamming our xmsn, has come to a decision, that it has won the game by jamming. Fortunately our eqps were out of order that day. If the govt further jams our pgms, we'll oppose the govt. We are on 7010. We also understand the SL govt is bc'ing another stn like our secret stn and w/same ID; dear listeners, please listen to our bc for genuine nx."

The daily newspaper Indian Express, 8/11/86 reports about this pseudo stn, headlined: Pirate Anti Indian Lanka Radio on Air & EPRLF. Says existence of a radio clandestinely opd by SL govt to beam anti-India bcs has been brought to notice of govt of India. The stn, from an undisclosed location in Tamil Nadu, has been carrying on anti-India bcs for about one hour daily for the past four months. Existence of this was noticed when bcs beamed by EPRLF, PLOT, and LTTE were being continuously jammed. However, PTI [Press Trust of India] quoting the same source, made no mention of SL operating the pirate stn. It also located the stn somewhere outside India and said the half-hourly bcs in the morn & eve were put on 41mb. I hear that listeners in Australia have hrd TM cland, per Talkback on RA 16/11--stn on 7010 at 1310; maybe the pseudo VOTE. From Nov ADXR I also understand that member J F N Kalyanvala of Mhow, Madhya Pradesh has monitored VOTE on 31m at 1330; he is not sure if it was genuine or spurious one. That must have been the pseudo (G R Prahlada, Dec IDXCI Asian DX Review)

V of the Tigers, monitoring 8/12 Jan: On 10/1 at 1330 stn in TM on 7010 as V of the Tigers, the spl bc of LTTE; and "this bc is on 41m, 7010; (?for several days) the racist SL govt and its stooges have been interrupting this fq. We are therefore making our unscheduled bc". Previously, only stns IDing as VOTE have been hrd on 7010. 9/1 & 11/1, nothing hrd on this fq at 1330, but 12/1 VOTE was again hrd, describing itself as 'the authentic bc of the Communist Party of Tamil Eelam' (WBI 16/1)

V of Muslim Mujaheds of Afghanistan [sic] on 11490 0130-0230 & 1530-1630, opposing Russian presence on Afghan soil. S/on w/flute IS, fq anmt, addr in Hamburg. G sigs but P mod. Exotic pgming w/lots of slogans w/echo effects. Nx abt Mujahed activity at 0140 & 1540; 19/12 after this stn's s/off at 1630, V of Liberation of Iran appeared briefly on this fq w/IS and opening anthem // 9027 & 7080. Not noted thereafter. Guess they are coming from same site but diff xmtrs --morn xmsn is jammed by a Russian unit IDing in Morse as "UR" (Supratik Sanatani, India, Dec IDXCI ADXR)

V of Mujahadeen/Mujahadeen-e-Khalque, hostile to govt of Iran, in Farsi is now on two MW channels 1431 & 1539, switching from other pgms at 1800 // 3240 4220 5960(?) 7110 9525, past 2000 hours. 7110 is 24h and pgming on this channel leads others by 90 seconds, variable. MW fqs are known to be used by Iraq and 9525 actually carries Baghdad R pgms at arnd 1230. That leaves little doubt regarding Iraqi origin (Supratik Sanatani, Dec IDXCI ADXR)

V of the Crusader Monitoring 5-12 Jan: this stn, a.k.a. V of the Mojahedine-Khalq, which bcs pgms in Persian & Kurdish hostile to Iranian govt, hrd at 1400 5/1 on 3515 3930 4220; fqs changed to 3511 3940 4225 at 1445 to avoid QRM and continued varying until 1520\*. 1702, hrd again on same SW fqs, and at 1800 also found on 1431 kHz, but lagging behind other fqs by several secs. VOC s/off 2000 w/anmt in Persian on 1431 IDing the stn as V of the Republic of Iraq. On subsequent occasions, VOC continued hrd on or near 4220 3950 3515, and also at times on 1431 & 1539. 12/1, 1431 & 1539, which relay Persian svc from Baghdad, hrd w/VOC at 17-20 (WBI 23/1)

R Iran, 9525, 1330 14/12 s/on w/8-note IS and "Inj Radyo Irona," anthem // 9685, SIO 344 (Supratik Sanatani, India, IDXCI ADXR)

R Iran Toilers (Inj Sedyee Sahamatagane Iran), hostile to govt of Iran, in Farsi on 6230, 1530-1630; communist-backed, and pgming not restricted to Iran, e. g. 19/12 a talk on the regime of Gen Pinochet of Chile (Sanatani, Dec IDXCI)

RIT ancd 1530 8/1: From Sat 20th Dey [10 Jan], pgms of RIT will increase by one hour, at 1530-1630 UTC. Same pgm repeated 1630-1730 and 0230-0330 on 28, 49 and 60m. Confirmed; previously, stn from xmtrs believed in Afghanistan in support of Iranian Tudeh (communist) party, had bc half-hour pgms at 0230 1530 & 1600; still hrd on 10870; previous fq 6125 unconfirmed but 60m traced on 4775 (WBI 16/1) 4775 being a well-known Afghan fq

R Iran Toilers (Radio-ye Zahmatkeshan-e Iran) first monitored by BBCMS on 7/7/84. But hrd by a Japanese listener as early as 23/5/84; ops from xmtrs in Afgh, some of which also carry RAfgh svcs. Ancs postal addr: PO Box 49034, 10028 Stockholm 49, Sweden--the same addr as that used by "R Iran Courier" (Persian: Radyo-ye Peyk-e Iran) which closed down on 30/11/75. RIT sked in Persian to ME on 10870 6125 4775: 1530-1630, repeated at 1630-1730 & 0230-0330

(WBI 23A)

V of the Liberation of Iran Monitoring 1-3 Jan: ancd 1/1 that from 3/1 the 1630-1830 bc'd be xmt'd on 7300 instead of 7080, // 9027. Confirmed 3/1. 0330-0530'd continue on 15555 & 9027 per anmt (WBI 9/1) See also bottom previous p

V of the Oppressed In Iraq JANA mx agcy, Tripoli, reported 1/1 from Tehran: This stn started pgms from northern Iraqi terrs 30/12; the anti-fascist Ba'athist regime in Iraq being radio ancd that it was built to promote the popular struggle against this regime. Asserted it'll work towards instigation of people of Iraq to revolt against regime of tyrant criminal Saddam [and] to liberate Iraq from the filth of his fascist Ba'athist regime (WBI 9/1)

'Keyhan,' Tehran, reported 31/12 in Persian: V of the Oppressed in Iraq has been hrd in western Iranian provs and N Iraq since 30/12, on MW. In addn, the radio teaches people necessary training for opns aimed at toppling the Zionist regime in Iraq [as published]. Establishment of stn follows conclusion of conferece of solidarity w/Iraqi people recently held in Tehran and could have decisive consequences for morale of Iraqis. Some time ago, a publication of same name was distributed in N Iraq and Iraqi Kurdistan w/same goals. [BBCMS ed note: efforts to locate this stn so far unsuccessful. But AR ES of VIRI hrd beginning daily pgm V of the Islamic Revolution in Iraq at 1330 12/1 w/slogan V of the Oppressed (Arabic: Sawt al-Mustad'afin). Subsequent anmts referred only to V of the Islamic Rev in Iraq; hrd on 0685 [sic--9685?] and 9770] (WBI 16/1)

R Bardai giving G reception on regular fq [sic] 6008, at 2019, past listed s/off 2010; comment and speeches, occl tribal mx; opposes current Chad govt, and operates from northern Chad or in nearby southern Libya (Craig Seager, RA JP DX Time 18/1) Monitoring 7-16 Dec: R Bardai xmtr on 6009, normally carrying that stn hostile to Chad govt in Ndjamena under Hisein Habré, obs to behave as follows: 7/12 sked R Bardai bcs. 8/12 R Bardai mixed w/V of the Greater Arab Homeland [Libya]. 9/12 unmod xmtr on air, no pgm. 10/12, xmtr believed off air. 11/12, only VOTGAH hrd. 12/12, R Bardai mixed w/VOTGAH. 13/12, believed

off air. 14/12, R Bardai mixed w/VOTGAH, 15/12 & 16/12 xmtr believed off air (WBI 19/12) Monitoring 22-30 Dec: R Bardai hrd again on 6009 22/12 and subsequent days, except 30/12, when unhrd. Stn appears to adhere to previous sked and continues ancg as "R Bardai" or "R Chad bcng from Bardai". 23/12, xmtr came on at 1817 w/short burst of Libyan VOTGAH svc before R Bardai's own pgms started at 1821. 27/12, R Bardai carried Xmas greetings to Natl Libn Army and an item concerning Qadhafi's comments on Libyan resistance to threats of "imperialist mily aggression" on Libya's southern border and on French and US aid to the Ndjamaena regime. 28/12, anmt addressed to Natl Libn Army about a forthcoming msg by the new Pres of the Transitional Govt of Natl Unity (GUNT), Acheikh ibn Oumar (WBI 2/1) see also LIBYA

V of Sudanese People Liberation Army, 9550, 6/12 1300 ID in EG, nx, QRM Beijing SIO 333 (D Suresh Babu, Kolar Gold Fields [India?], Dec IDXC1 ADXR) R SPLA now on 11710, in EG at 1300 28/12; hostile to govt in Khartoum (WBI 2/1)

R Halgan Monitoring 8/1: Stn hostile to Siyad Barreh and govt of Somalia from xmtr in Ethiopia, hrd at 17-18 on 9590 ex-9595 (WBI 16/1)

R Freedom On the back inside cover of the Dec 86 issue of Sechaba [sp?], offl organ of the African Natl Congress is some SW info: R Freedom, V of the ANC and Umkhonto We Sizwe, the People's Army, relayed via these stns. (Times are local, probably Zambian [UTC +2]) R Luanda, 30 & 40mb (no fqs given) 7:30 pm daily. R Madagascar, 6135, 9:30-10 pm daily. R Ethiopia, 9545, 9:30-10 pm daily. R Tanzania, 15435, 8:15 pm M/W/F/Sun; on 31m (no fq given) 6:15 am Tu/Th/Sat. R Lusaka, 9580, 7:15-8:00 pm M-F, 10:05-10:35 pm Wed; 10:30-11 pm Fri, 7-8 pm Sat; on 17895 8-8:45 pm Sun. I haven't actually hrd any of these so I don't know if all fqs are active; magazine's addr is ANC of South Africa, P O Box 31791, Lusaka, Zambia (Vern Nicholson, Toronto, Ont, 5/1)

R Truth ancd 9/12 0430: tech factors make it necessary to change fq; from today EG & vern, morn & eve, on 3370. [BBCMS ed note: stn hostile to govt of Zimbabwe and PM Mugabe, in EG 0430 & 1730, Shona & Ndebele at 1700] (WBI 19/12) Monitoring 9/12 to 1/1: Altho ancd that both morn & evening 'd use 3370 not 5015, 3370 was used for 1730-18 bc only from 9/12; after a week on this fq, reverted to 5015. 0430-05 xmsn remained on 5015 thruout (WBI 9/1)

National R of the SADR (Saharan Arab Democratic Republic) which has been bcng since summer of 1979, continues on 1355 kHz; but now starts at 1800 instead of 1900. In AR until apx 2100 then SP to 2155 (WBI 2/1, per monitoring 27-28/12)

R Caimán / CID R Caimán is definitely an anti-Castro stn; hrd from 0000 on 7470; its object is to undermine both the government and policies of Fidel Castro. R Caimán came on the air relatively recently. There had already been a SW net w/pgms very similar, La Voz del CID, whose most popular outlet is R Camilo Cienfuegos. CID's postal addr is well known, Apartado 8130, 1000 San José, Costa Rica, but no addr is known for Caimán. Since the two can be considered 'sister' stns by their content, it occured to me to send a reception report for Caimán to the CID address, explaining the situation. The result: LV del CID sent me a QSL for 7470, the fq of Caimán. But this doesn't solve the problem, as in the blank for "emisora" they inserted LV del CID instead of Caimán. Either the person in charge of QSLing is not well informed about CID's fqs--it does not use 7470!--and paying little attn to my letter automatically filled in the QSL. Or, Radio Caimán, as it would not be very surprising to suspect, is a station or program independent of LV del CID, but part of its network. Thus as sister stations one could confirm pgms of the other or vice versa. Personally, I am inclined toward the former explanation, but each of you can decide for yourself (Adolfo Arto, Oct DIAL of Asociación Dixista Aragonesa via Jerry Berg)

R Farabundo Martí Monitoring 21/12: stn claiming to bc from Chalatenango prov in El Salvador, hrd at 1830 21/12 on 6735; had not been obs since 11/11. One-hour pgm was spl one of mx, greetings, slogans but no reason given for absence. BC at 2300 also on 6735, followed the RFM previous pgm format. Stn anmts ment only two xmsns daily, 1830 & 2300 from "undefeatable Chalatenango" on fq near 7 MHz (WBI 2/1) Stn was first hrd in Jan 82; on spl occasions linx up w/ R Venceremos (WBI 23/1)

R Venceremos monitoring 7-11 Dec: 7/12, RV, the FMLN stn claiming to be from Morazán dept, El Salvador, hrd starting 1400 Sunday-only xmsn on 3725; fq then changed every few mins eventually reaching 3779. 2000 xmsn 7/12 and 1830 8/12 hrd on varying fqs betw 6564 and 6670. RV on these fqs was chased by a poorly mod xmtr carrying mx, which tried to cause interference to RV. 7/12, RV hrd ancg test bcs from San Salvador on VHF/FM at 02-03. 10/12 and 11/12, RV's 12 & 00 xmsns hrd on fqs again varying 3725-3779. Some form of 'electronic' QRM seemed to cause RV to change fq continuously. Fq of 1830 xmsn again varied betw 6557 and 6650 accompanied by electronic and mx QRM. 7/12, the French AFP mx agcy had reported that FMLN had 'suspended its RV bcs because of the strong counter-insurgency offensive launched by the Salv army since 2/12 in Morazán' (WBI 19/12) RV ancd 29/12 0000: Very soon, RV, voice of the workers and guerrillas will be from Guazapa for San Salvador on 105 MHz FM. Soon, on FM for the country's central region, RV will be from left to right, the first stn on your dial [if your dial is backwards -gh]. Attn, CAM, RV is already being on its two fqs, near 7 MHz on the 40m band and on 3.5 MHz on the 80m band. Also, for the country's eastern region, RV is already on 96 MHz FM. To hear us better use a radio w/antenna. BC times on FM for the east are 00 & 02 gmt (WBI 9/1)

R Liberación El Salvador: TV Cubana reported 26/12: this stn to go on the air in Jan as part of psywar against Nic sponsored by Pentagon and CIA. Studios will be in El Sal and'll carry soap operas, mx, editorials, commentaries against Nic revolution, 20-08. Opening of stn is another step by Reagan in prolonged war he is waging against the people of Sandino. However, despite enormous human and economic losses it is causing, the White House has been incapable of changing the popular course of the revolution in Nic (WBI 2/1)

Costa Rica: Prensa Latina mx agcy, Havana, reported in EG 13/1: The possibility that an anti-Nic contra-operated stn will be based in CR is now a fact as Interior Ministry confirmed that the fq it will use belongs to a CR stn. R Liberty [sic] of the Nic Opposition Union (UNO) will be supposedly from Nic terr, from Fri [16/1]. UNO leader Alfonso Robelo told press conf stn'll be on 1500 [sic] kHz for interior of Nic and'll join the chain of US-financed stns the anti-Sandinists operate. However the CR Radio Control Dept, attached to the Interior Ministry, said fq belongs to R San Carlos, located in the north, near the Nic border. R S Carlos ofcls Prensa Latina consulted said stn belongs to a society and is currently being on 1400 kHz and that its power is likely to increase in the next few years. Under CR law, formers are not allowed to control mass media; that is why investors prefer to form societies and set up alliances w/local businessmen to operate radio and TV stns. Acc to influential weekly 'Universal' another stn, R Impacto, is operating as a limited company in CR. R Impacto has joined the Sept 15 stns daily anti-Sand bcs from Honduras. The Contras also have two periodicals which are inserted weekly in CR's "La Nación" and "La República" dailies while a US VOA repeater in San Carlos frequently re-features [sic] the anti-Nicaraguan propaganda (WBI 23/1)

All the above appears rather off the mark, since AP and other sources report R Liberación actually using 1520 kHz, supposedly night hours only 6 pm to 6 am local; some sources say El Salvador, others Honduras. High frequency and night only suggests that it depends only on skywave not groundwave, so could be a considerable distance from Nicaraguan border. Tim Hendel, Miami, confirmed hearing it on 1520, but w/heavy QRM, Su 25/1 1000 past 1200 UTC. I wonder if both the VOA Belize outlets on 1530 & 1580 are still on the air when this is on! It is also interesting to note that besides Belize, the only CAM countries previously lacking any stns on 1520 in the WRTH 87 are El Salvador and Nicaragua. As for CR, WRTH 87 (including my research a sesquiyear ago), shows several San Carlos stns above 1400 but none on 1400 itself, while R Cima TIASF is listed in San Carlos on 1500; the 1520 is a R Columbia repeater in Turrrialba, not in the north. Unfortunately I have locals on 1520 & 1580 (gh)

## LAST-MINUTE INFO

ALGERIA International Svc of R Algiers; fqs suffixed -a are ancd but not confirmed. 02-0230 SP V of the Chilean Resistance, presented by the Info Bureau of the Anti-Fascist Chilean Resistance in Algiers, 15215a 15205a 981. 11-12 SP Eu/ME 15215 15160 9640 9509 981. 1702-18 AR VOPVOPR presented by the PLO, one hour earlier during Ramadan--15205 6160 891 576 549 531. 19-20 EG [note one hour earlier than previously and one hour long now] Eu/ME 17745a 15215a 9640a 9509 981. 20-21 Eu/ME SP 15215a 9685a 9640a 9509 981. 22-23 AR/FR V of the Free Sahara, by the Polisario Front, 15215a 9640a 927a 576 (WBI 23/1)

A U S T R A L I A RA reported 15/1: Forn lang bcers employed by RA have gone on strike for 24h in protest over proposed changes to their employment condx. The 87 employees have also banned xltg and being nx and current affairs items on alternate days over next week. Their union, the ABC Staff Assn says it has put forward a compromise proposal aimed at resolving dispute. Says if this not accepted by ABC by next Thurs further industrial action'll be considered. The proposed changes to the bcers' employment condx result from cuts to RA's budget. AFP reported from HK 15/1: 24h strike halted fornlang bcs on RA 15/1, per ABC. Hit were SWBCs in Indo, FR, Pidgin EG, Chinese, JP, Thai; not EG. Was 2nd 24h strike in 6 weeks by 87 employees, mainly expatriates from As/Pac region, protesting mgmt decision to cancel home leave provisions. Walkout began at 1900 UTC 14/1. Union offl Neil Wilson said RA bcers had signed contrax expecting home leave every three years. But ABC wanted to limit it to once at end of an initial 3-year period. ABC Controller of Corp Affairs Keith Jackson said the dispute, which had lingered for three months, had been referred to arbitration (WBI 23/1)

C U B A RHC printed sked for D86 in effect until 1 March 1987: SP to Ams: 09-11 6090, 11-16 9730 9770, 11-1645 9550, 11-18 14760, 11-2050 11725 15300, 22-23 11725, 22-0140 9550 9770 11760, 22-06 6060 11815 9730 11970, 02-03 6035. SP to Eu/Af/ME 0630-0730 & 0930-1045 9730, 18-20 9695 9720 9730 11950.

EG to Nam: 00-06 6090 9740, 02-0450 6140, 04-06 6035, 06-08 9525, Carib 2050 -2140 11725 15300, 02-06 6120, 04-06 5965 6035. Eu/Af/ME 17-18 9695, 1830-20 11795, 22-23 6165.

Other langs: FR Carib/NAM 03-04 6035; Eu/ME 0830-0930 9730, 16-17 9695, 20-2140 9730 11795 11950, 21-22 6165 7165. Creole to Carib 11-12 6060, 03-04 on 5965. PT SAM 09-1045 9550, 01-0245 11725; Eu/Af/ME 0730-0830 9730, 20-21 9695. Quechua SAM 10-1050 9655, 00-01 11725. Guaraní SAM 23-24 11725. Arabic Eu/Af/ME 15-16 9695, 1630-1730 9730 11950 (via Eric Falkenhan, Baltimore MD)

E C U A D O R R Nacional via HCJB: 22-2215 Eu 17790 15270, 15 min nx in SP. 0030-01 Ams 11960, 15 min nx in SP, and pgm "Un País Llamado el Ecuador," mainly Andean and Ec mx (Brent Allred, DXPL, via Eric Falkenhan, Baltimore)

R Quito reported 16/1: unconfirmed nx that studios of the most important stn in Guayaquil have been blown up by unID individuals; most serious incident since kidnapping of President several hours before. Radio CRE and R Atalaya in G/qil also attacked. AFP Paris reported 16/1 a sesquihour later: at 2100 utc five armed individuals entered R CRE and using rifle butts, destroyed the consoles, xmsn eqp and other eqp of the Guayaquil stn. They shouted slogans in support of Pres León Febres Cordero, kidnapped this morn. Since the morn, stn had been continuously being about political ramifications of kidnapping; interviews w/various pols, including some opposition leaders. GM Rafael Guerrero Valenzuela said attackers were paramilitary groups linked to the governor of Guayas. Ec Assn of RBCers, AER, issued c/qué condemning 'a serious attack against freedom of expression'. R CRE suspended being following the attack (WBI 23/1) & HCJB/R Nac 2200 bc that day was mx fill... (gh)

F I N L A N D R Finland reported 17/1: exceptionally cold wx since yearbegin has affected R Finland's SW xmsns. Cooling system of one of major xmtrs at old Pori base froze last weekend, causing suspension of some xmsns. New Pori base, still uncompleted, has been used as back-up, particularly to Nam. But svcs to Eu and some other areas available on reduced power only. Regular opns expected to resume early next week at latest (WBI 23/1)

N E T H A N T I L L E S Bonaire's replacement 500 kW AM xmtr was shipped Dec 23 from Durban, RSA; expected to arrive this month over 6000 mile journey. Pgmng Dept has made major changes in format to build continuity into long programming segments, in EG, SP, PT. Also plan to begin SWBCs to Cuba this month. Missionary Jim Munger has visited southern Bolívar state, Venezuela, to prepare for TWR pgms in several Indian langs (TWR Jan Nx Briefs via Falkenhan, MD)

N E W Z E A L A N D R NZ Intl - RNZ, of the BCNZ: 0355-0630 Au 17705 15150, 0855-1115 Au 11780 9600, 1730-2005 Au 15150 11780, 2255-0045 Au 17705 15150; Sat also 0045-0355 Au 17705 15150. Mostly EG but includes Maori nx M-F 0405-0410 & Sun 0430-0442; Mon-Fri 06-0630 nx in Maori, Samoan, Tokalaun, Tongan, Cook Island langs. During winter time--Mar-Oct, pgms one hour later (WBI 23/1)

N I C A R A G U A V of Nicaragua and 5/1: problems beyond our control forced suspension of our regular bcs during last two weeks of Dec. But now overcome most of them. We return to your homes, repeating the govt slogan "No one surrenders here". Despite attacks of various types unleashed by US admn, the 6015 kcs intl svc of VON in the 49mb will be with you per this sked: Mon-Sat 12-16; eve 21-01 w/last 60 mins in EG. Suns 12-24 linked w/MW svc to bring you natl & intl nx. We await your letters to Box 248, Managua. [BBCMS ed note: nx in EG at 2350-2400 and repeated during 00-01 EG xmsn] (WBI 23/1)

P A K I S T A N R Pakistan, Karachi/Islamabad, ES complete: 0045-0230 Urdu 15115 11745. 01-0245 Bengali 11995 9460. 0230-0245 slow EG nx 17660 15580 15115 11745 7315 5905. 03-0345 Swahili 15175 11800. 0330-0415 Persian 12005 9860. 04-05 Gujarati for Eaf 15175 11800. 0430-0645 Urdu 17660 15605 12015. 0515-0615 AR 17640 15565. 07-0745 Turki for Afgh 7375 6175. 0715-0815 Burmese on 21475 17640 15370 9645. 0715-11 Urdu Eu 17660 15606 incl EG nx from DS 08-0803 & 1005-1010. 09-0945 Tamil 21475 17640. 1015-11 Indo 21475 17870 17620 9645. 11-1115 slow nx in EG Eu 17660 15605. 1115-1230 Hindi 11640 9645 9495. 12-13 AR 17660 15595. 1230-1445 Bengali 9790 7225 incl irreg Sylheti nx 1425-1442. 13-1430 Hazargi for Afgh on 756. 1315-16 Urdu 11615 9465 7365 6070. 16-1630 EG ME/Af incl slow nx at 1615-1630 [new time] on 15515 11735 11625 11615 9465 7365 6070 4025. 1645-1745 Turkish 11640 7315 6070 4025 [these 4 fqs were given at the end of the EG 16-1630 bc, presumably misplaced -gh]. 1645-19 Urdu/EG Eu 7101 6205 incl EG comtry 1720-1730. 17-1745 Persian 7365 6240. 1745-19 Urdu Eu 7100 6205. 18-19 Urdu Islamabad pgm 7365. 1915-2015 FR Eu 7365 6205 (WBI 23/1)

P A R A G U A Y 'Hoy', Asunción, reported 10/1: R Nanduti's problems are growing; because of the jamming, RN unable to bc daily pgms or ads. Means losing income and unable to continue paying salaries of employees, who until today have been receiving their monthly cheques. It's been learned in last few days that RN directors will reportedly start laying off some employees of the 60 who work there. Jamming continues. RN Dir Humberto Rubin has submitted on more than one occasion, the proper reports, but so far the problem remains unsolved. Per RN sources, because of the jamming over 60 emps'll be w/out jobs thus creating a social problem (WBI 23/1)

'Última Hora', Asunción, excerpt from editorial 17/1, 'Unjust Silence': RN has been forced to suspend bcng for 90 days. Continuous jamming, an unfair type of censorship unprecedented in history of Pgy, has forced radio to take this extreme measure. Deplorable situation, because another comm medium has thus been silenced. Our constitution consecrates and guarantees press freedom, which is a fundamental right in today's world. Nevertheless, this right has once again been violated in the case of RN. Continuous jamming has been making it impossible for this stn to bc normally. Despite repeated complaints and the public knowledge of such an attack on freedom of expression, nothing has been done by the authorities to put an end to such censorship. That nothing has been done in this regard is the saddest aspect of this situation, which not only legitimizes impunity for a devious attack but reveals the fact that the lack of offl support or sympathy for a medium leaves it defenceless. This is unjust for the country, and does not help its image. Obviously, the law is not being applied equally to every one in this case. Freedom of expression has indeed been violated by the continuous jamming of RN, and yet the appropriate authorities have not taken any measure to put an end to such a violation... (WBI 23/1)

S A I P A N Typhoon Kim turned away from Guam twice, leaving KTWR undamaged. But the 160 mph winds did extensive damage to FEBC Saipan. We sent a crew in Dec to survey the damage. Two of our riggers are dismantling the pieces that remain of three antennas and using them to construct an ant in order to get FEBC SW ministry back on the air (TWR News Briefs, NJ, Jan, via Eric Falkenhan, MD)

S O U T H A F R I C A Monitoring 18-19 Jan: R RSA now on 15245 ex-15270 for Eu/Af FR 0430-0630 // 17780 11900 9585 and EG 0630-0730 // 17780 11900 7270 (WBI)

Ś R I L A N K A A SW ministry from ŚL is one step closer to being reality. After months of negos, we've been given permission by local authorities to go ahead and have begun test xmsns on a 35,000 watt xmtr at Ekala, some 15 mi N of Colombo. Much work is needed before regular pgms go on the air. Presently we are arranging pgms, solving tech problems in the xmsn system and finding clear

fqs. The first draft of a renewal contract for our AM pgms has been submitted to the SLBC for approval. Draft has many steps to go thru before final approval. Target date of July 1, 1987 for the new 15-year contract (TWR News Briefs Jan via Eric Falkenhan, MD)

U S A Our weekly 30-minute DX program, WORLD OF RADIO, has a new outlet, KSLH 91.5 MHz, St Louis MO, Saturdays at 10:30 am CT; this replaces KUWR Laramie WY (gh)

## UNIDENTIFIED

4940a Bolivian or possibly southern Perú based on its early f/out at 1040+, on 4940 apx as I didn't have time to fine tune. It's an Andean, and I noted it in passing at 1025, an obvious 'rustic' w/Andean mx and Indian accented Spanish, which QRM made just impossible to read. I'd give an SIO at t/in of 2+22 and by 1040 of simply very poor. Next morn I detected a carrier on 4942, at 1035 but could get no readable signal and am not at all able to say this was the [same] signal hrd [before]. WRTH listed stns possible are R San Juan de Tarma, Perú, which I don't recall having seen anywhere as an active stn, and R Norte in Montero listed for 4938—but not an Andean QTH. Can only hope for this one to show up again! (Maxfield Greenwood, Sedgwick ME, mid-Dec?)

9730 Religious stn [pgm?] Christ Vous Appelle is sked on this fq from an unspecified outlet, at 0730 Sats & Suns. Also via Luxembourg Wed 0345 on 236 kHz and TWR 1467, at 0545 on 2nd Thursday of each month (Felix Gutiérrez, Spain, Nov DIAL of Asociación Dixista Aragonesa)

## PUBLICATIONS

WORLD BROADCASTING INFORMATION Published weekly by the BBC Monitoring Service, the WBI gives up to date news on developments in world broadcasting including: \* details of the different programme and frequency schedules. \* broadcasting behaviour and technical developments. \* activities of clandestine and unofficial broadcasters. For more information write to: Subscriptions Office, BBC Monitoring Service, Caversham Park, Reading, RG4 8TZ, Berkshire, England. (Subscription is 350 pounds per annum + overseas postage)

REVIEW OF INTERNATIONAL BROADCASTING is a 40-page magazine (in larger format than FRENDX) concentrating on shortwave programming. Issue 115 is now available, containing: Television in the Dominican Republic: A Visitor's View, an article by Vito Echevarría; Via FBIS, compilation by R Horvitz of CIA monitoring reports about broadcasting in Afghanistan, Israel, USSR, Zimbabwe. Satellite Watch, regular column by Loren Cox about the marvelous video, and audio including some SWBC-type services to be had from the birds; Listener Insights on Programming, a country-by-country mix of opinion, press clippings, program schedules (in advance wherever possible), such as CBC Ideas topics through Mar, HCJB block schedule, BBC World Service previews for Feb, RWMS block schedule; Radio Equipment Forum, also edited by Loren Cox, wide-ranging discussion of receivers such as the R7000, RP-F11, DX-1000, HRO-500. Can you afford not to be among those accessing this goldmine of information? In North America, samples are \$2 (if you want this issue in particular, specify 115), ten-issue subscriptions \$20. Overseas airmail: sample \$2.75 or 8 IRCs; subscriptions US\$25 to Caribbean, Central America, Colombia and Venezuela; US\$27 to rest of South America, Europe, North Africa; US\$29 to rest of Africa, USSR, Asia, Pacific. All remittances from outside the US must be in US\$ on a US bank, or in US\$ by postal money order (or at sender's risk, registered mail recommended, US bank-notes). Exactly the same rates apply to a separate publication DX LISTENING DIGEST, similar to LN, which also includes ENJOYING RADIO edited by David Newkirk. Specify which magazine you want when ordering. If both are subscribed to at same time as new subscriptions, there is a \$2 discount, e.g. combined price of \$38 in North America. Order from Glenn Hauser, Box 490756, Fort Lauderdale, FL 33349 USA. (gh)

Issue #7 of DX LISTENING DIGEST arrived this morning and it is the best yet --RIB and DXLD represent the best value available now for both SWLing and DXing so I sincerely hope you will be able to continue with both publications. Even allowing for the current unfavourable exchange rate for the Australian \$, RIB and DXLD are both very good value for all of the information I receive from them. With thanks, (Michael C Byrne, Charters Towers, Qld, Australia, 23/7/86) [back issues of DXLD 6 and 7 are \$1.50 ea; 10 and 11 \$2 ea in NAm from gh]

# QSL

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



**ALASKA:** KNLS 9670 f/d cd. in 9 ds. (Josey-SC).  
**ALBANIA:** Radio Tirana 9760 p/d "Museum" cd.  
 in 111 ds. for 1 IRC. (Josey).  
**ANGUILLA:** Caribbean Beacon 1610 f/d cd. in 2  
 mo. (Eckert-PA). (Forst).  
**ANTIGUA:** BBC 6175 f/d ltr. in 19 ds. for 1 IRC.  
**ASCENSION ISLAND:** VOA 15285 f/d "Liberty" cd.  
 in 73 ds. (Wilkins-CO).  
**ASIATIC RUSSIA:** Radio Moscow 5950 via Vladivostok f/d cd. in 2 mo. (Palmer-  
 sheim-MN). 5905, 7160 and 7345 via Petropavlovsk-Kamchatsky f/d cd.  
 in 2 mo. (Palmerseheim).  
**AUSTRALIA:** YLRG 6150 f/d ltr. in 41 ds. for 2 IRCs. v/s Mavis Gerdtz,  
 Administrative Officer. 10 kws. (Weber-OH). Radio Australia 9770 via  
Carnarvon f/d "Penguin" cd. in 17 ds. (Josey). 9580 via Shepparton f/d

"Woodchopping"  
 cd. in 16 ds.  
 (Josey). 17795  
 via Shepparton  
 f/d "Black  
 Swans" cd. in  
 42 ds. (Josey).  
VLBT 2325 Tenn-  
ant Creek f/d  
 ltr. in 18 ds.  
 for 2 IRCs. v/s  
 R.H. O'Sullivan.  
 (Paszkiewicz).  
**AUSTRIA:** Radio  
Austria Inter-  
national 15320  
 f/d "Costumes"  
 cd. w/ schedule  
 in 78 ds.  
 (Josey).

LAO NATIONAL RADIO  
 P.O. Box 310  
 VIENTIANE, LAO PDR

### QSL - VERIFICATION

Thank you for your  
 report on the recep-  
 tion of our trans-  
 mission

Date : 7.12.86  
 Time : 1100-1130  
 Frequency : 77250  
 Station : VIENTIANE

via Werner Rutsch



LAO NATIONAL RADIO

**BALI:** PRI Denpasar 3945 f/d "Map" cd. in 71 ds. for an EG/IN rpt, used  
 stamps. (Bishop-PHIL).  
**BELGIUM:** RTEF 7140 f/d cd. in 12 ds. for a FR rpt. (Rutsch-SWIT). 11660,  
 9900 f/d cd. w/ sticker in 21 ds. (D'Angelo-PA). BRT 5910, 15590 f/d  
 "Subway Station" cd. in 27 ds. (Levison-PA).  
**BOLIVIA:** Radio Nueva America 4797 f/d cd. w/ form ltr. and personal ltr.  
 in 15 ds. after 4 f/up rpts. in SP. Sticker and schedule rcvd. v/s  
 Roberto Carrasco Velasco, Administrador.  
 (Schmitz-FRG).

**BOONAIRE:** Radio Nederland 6020 f/d "Flevo"  
 cd. in 20 ds. (Josey).

**BOTSWANA:** Radio Botswana 7255 f/d "Boy  
 at Dutlwe" cd. in 25 ds. for 2 IRCs.  
 v/s Ted Makgekgenene, Chief Engin-  
 eer. (D'Angelo). 4820 f/d "20th Ann-  
 iversary ham QSL" with data written  
 in. Card arrived in 1 mo. for ms.  
 (Stephany-NY). f/d "Cattle Herd" cd.  
 in 1 mo. (Bishop). cd. in 24 ds. for  
 2 IRCs. (Eckert). f/d "Ghanzi Dancing  
 Troupe Performs a Flash Dance" cd. in  
 17 ds. (Goering-KS). 3356 f/d cd. in  
 1 mo. for 3 IRCs. (Palmerseheim). This  
 station is getting to be old news as  
 far as their QSL policy is concerned.

**BRASIL:** Radio Bras 11745 f/d "Sculpture" cd.  
 w/ schedule in 43 ds. v/s Nara Ferreira,  
 Correspondence Service. (Josey).



from the Goering collection.

**Philippine  
Broadcasting  
Service**



OVERSEAS SERVICE OF THE  
DEPARTMENT OF PUBLIC INFORMATION  
BUREAU OF BROADCASTS

Gratefully acknowledges your report of our  
transmission on 6170 KHZ which was  
checked against our log and found to be correct.

THANK YOU and "MABUHAY!"

from the  
REPUBLIC of the PHILIPPINES

FLORENTINO S. DAUZ

DIRECTOR

GSIS BDLG.  
MANILA  
PHILIPPINES



**BRASIL: Radio Bras**  
11745 f/d cd.  
w/ schedule &  
sticker in 105  
ds. for 1 IRC.  
(Josey). 15155  
f/d "Bahla" cd.  
in 128 ds. for  
a GM rpt. and  
1 IRC.(Engel-  
berts-FRG).  
**Radio Guaba**  
11785 p/d cd.  
in 29 ds. for  
a PT rpt. and  
ms.(Paszkie-  
wicz). **Radio**  
**Clube do Para**  
4885 n/d ltr.  
in 29 ds. for  
a PT rpt. and  
2 IRCs.(Pasz-

kiewicz). **Radio Nacional Porto Velho** 4945 f/d form ltr. in 113 ds. for  
a PT rpt. and 1 IRC. Rpt. was sent to **Radio Nacional Manaus**. v/s Eud-  
son Monteiro Lima.(Schmitz). **Radio Clube Paranaense** 6040 p/d cd. in 22  
ds. for a PT rpt. and ms. v/s Ubiratan Lustosa, Director.(Wilkins).  
**Radio Globo** 11805 f/d "Rio" cd. in 46 ds. for a PT rpt. and 1 IRC.  
(Schmitz). f/d "Sugar Loaf" cd. in 20 ds. for a PT rpt. and ms. v/s  
Cesar Calmon, Div. de Operacoes e Producao.(Wilkins). f/d cd. in 2 mo.  
for a PT rpt. and ms.(Forth-IL). **Rdif. Amazonas** 4805 cd. in 3 wks.  
for a f/up rpt. in PT and ms.(Forth).

**CANADA: Radio Japan** 6120 via **Sackville** p/d "Relay" cd. in 33 ds.(Schulman-  
IN). cd. w/ site in 12 ds.(D'Angelo). n/d "Map" cd. in 13 ds. for 1  
IRC.(Wilkins). f/d cd. in 23 ds.(Kacir-MI). n/d cd. in 2 wks.(Lare).  
\* p/d cd. in 1 mo.(Stephany). **RCI** 15325 cd. in 17 ds.(Josey). **CFYP** 6030

large cd. in 23 mo! for a taped rpt.(Aden-ID).  
**CELEBES: RRI Ujung Pandang** 4719 f/d cd. in 79 ds.  
on 5th try for an IN rpt. and ms. v/s H.A.  
Nyongki, B.A.(Wilkins).

**CHINA, PEOPLES REP OF: Zhejiang PBS** 2475 via  
direct from **Hangzhou** f/d "Boat in Lake" cd.  
in 5 mo. for a CH rpt.(Orcutt-CA).

**COLOMBIA: Radio Guatapurí** 4815 p/d personal ltr.  
in 52 ds. after 6 f/up rpts. in SP for 1 IRC.  
v/s Anamaria Gonzalez, Secretaria.(Schmitz). **Radio**  
**Caracol Neiva** 4945 f/d prepared cd. w/ personal ltr. in 58 ds. for a  
SP rpt. and 1 IRC. v/s Alma Beatriz de Estrada.(Schmitz).

**COSTA RICA: TIFC** 5055 p/d cd. w/ pennant in 34 ds. for 2 IRCs.(Josey).

**CUBA: Radio Moscow** 6000 via **Habana** f/d "USSR Friendship" cd. in 44 ds.

**CZECHOSLOVAKIA: Radio Praha** 5930 f/d cd. in 80 ds.(Levison).(Davis-NM).  
**DOMINICAN REP: Radio Discovery** 15045 f/d cd. in 8 ds. v/s Jeff White.  
(Wilkins). 6245 cd. in 17 ds. for ms.(Davis-NM). f/d cd. in 2 wks.  
for ms.(Turner-NY). cd. in 9 ds. for ms.(Lare).

**ECUADOR: HCJB**  
9870 f/d  
"Blue Foot-  
ed Booby"  
cd. in 35  
ds. for 2  
IRCS.(Jos-  
ey).

QSL COLUMN  
REPORT FORMS  
ARE AVAILABLE  
FROM YOUR QSL  
EDITOR FOR AN  
SASE....Sam.



**"THE CALL OF THE ORIENT"**

Non-commercial Missionary Station  
MANILA, PHILIPPINES

**D Z F 3**

15.385 MC.  
19 Meters



**FAR EAST BROADCASTING CO., INC.**

**ECUADOR:** Emissora Gran Colombia 4911 n/d ltr. in 2 mo. for a SP rpt. and ms. v/s Nancy Cevallos Castro de Espinosa. (Palmerheim).  
 • La Voz del Rio Carrizal 3260 n/d ltr. w/ prepared cd. in 57 ds. after 2 f/up rpts. in SP with ms. v/s Roque Navarrete V., Gerente-Director. (Wilkins). 3260.8 f/d prepared cd. & with n/d ltr. in 2 mo. for a SP rpt. and SASE. (Palmerheim).

**ENGLAND:** MSF 5000 f/d cd. in 17 ds. for ms. v/s B.P. Staley. (Foxy-VA). 10000 f/d cd. in 25 ds. for 2 IRCs. (Bishop). RCI 9555 via Daventry f/d cd. in 17 ds. (Josey). BBC 9915 n/d cd. in 56 ds. (Josey). VOA 15270 via Woolferton f/d "Capitol" cd. in 22 ds. w/ pennant. (Woloch-PQ)

**ETHIOPIA:** Voice of Revolutionary Ethiopia 9560 small yellow/black cd. in 359 ds. on my 3rd try. (Goering). f/d "Antenna" cd. in 10 mo. for 2 IRCs. (Yamron-PA).

**EUROPEAN RUSSIA:** Radio Moscow 13680 via Moscow f/d cd. in 59 ds. (Paszkiewicz). 11705 via Serpukhov f/d cd. in 2 mo. (Palmerheim).

**GABON:** Radio Japan 17785 via Moyabi cd. in 16 ds. (Rutsch).

**GALAPAGOS ISLANDS:** La Voz de Galapagos 4810 p/d cd. in 49 ds. for a SP rpt. and 1 IRC. v/s Victor Maldonado (Padre). (Schmitz). f/d prepared cd. in 2 mo. for a SP rpt. and ms. This after 5 tries. (Palmerheim). p/d cd. in 1008 ds. for a SP rpt. and ms. (Stephany). (Josey).

**GERMAN DEMOCRATIC REP:** Radio Berlin International 6125 f/d cd. in 44 ds. **GERMAN FEDERAL REP:** Deutsche Welle 5960 n/d cd. w/ sticker in 1 mo. (Josey)

**GHANA:** GBC 4915 f/d "50th Anniversary" cd. in 101 ds. (D'Angelo).

**GREECE:** Voice of Greece 9420 f/d "Minos" cd. in 132 ds. (Engelberts). cd. in 25 ds. (Josey).

**GUATEMALA:** Radio Tezulutlan 4835 f/d cd. w/ personal ltr. in 40 ds. for a SP rpt. and 1 IRC. v/s Elsa Yolanda Castro, Secretaria. (Schmitz). 3370 f/d cd. in 213 ds. for a SP rpt. and ms. (Foxy).

**HONDURAS:** HRVC 4820 p/d cd. w/ pennant in 17 ds. for 1 IRC. v/s Miss Reina Figuera. (Josey). HRRI Sani Radio 4755 n/d cd. in 56 ds. for a SP rpt. (Levison). f/d ltr. in 49 ds. for 2 IRCs. v/s Edward Pfister. (Paszkiewicz). rcvd. 2 page ltr. produced on a computer/word processor. Among many things explained was



**RADIO IMAGEN** OAX-9A 1160KHZ. OAX-9M 5035 KHZ.

Tarapoto, 17 de Octubre de 1985.

Señor:  
 John Wilkins  
 4385 Hoyt St. No. 205  
 Wheat Ridge, CO 80033  
 USA.

Muy señor nuestro:

Place sobremanera saber que nos es escuchan en los diferentes puntos del globo, al mismo que confirma su atenta carta recepcionada en esta dirección. De acuerdo con las notas de la referencia coinciden con nuestra programación.

La emisora Radio Imagen transmite desde la ciudad de Tarapoto, Departamento de San Martín, República del Perú, cuya dirección es Jr. Ramón Castilla No. 255; con más de 4 años de funcionamiento se ha convertido en una de las más populares del Oriente Peruano, y el testimonio de vuestra recepción nos compromete a seguir mejorando en calidad y alcance dando a conocer las costumbres de mi patria.

Se remita la tarjeta de confirmación y una postal de uno de los atractivos sitios turísticos de Tarapoto.

Me suscribo de Ud. como su Atto. amigo y S.S.

Y. Daniel Coral Pérez  
 Gerente General

To: Ricard A. D'Angelo  
 2216 Burkey Drive  
 Myomissing, PA 19610  
 U.S.A.

PC Box 1973 Paramaribo Suriname Tel '0101

Ref. no: 851008  
 Paramaribo, 10 oktober 1985

Radio Surinam International confirms your reception on Nov. 27, 1985, from 19.01.7.18.14.47G... on a frequency of 17755 khz. in the 16m band. We hope that you'll keep on listening to Radio Surinam International.

that Sani comes from Miskite word for the majao vine which is the word for string. Children strung sani string between two coconut halves to create first "Sani Radio" in an imitation of missionary broadcasters. All rcvd. in 45 ds. for 2 IRCs. (Mosman-KS).

**NOLLAND:** Radio Nederland 6020 f/d cd. in 17 ds. (Josey).

**IRELAND:** Radio Dublin International 6910 n/d "Map" cd. in 124 ds. (Goering).

**ISRAEL:** IBA 5885 cd. in 63 ds. (Rutsch).

**ITALY:** Adventist World Radio Forli 6215 cd. in 45 ds. v/s Sandy Hodgson. (Goering).

**JAPAN:** Radio Japan 6120 via Sackville p/d "Sackville Commemorative" cd. in 1 mo. (Josey)...should be under Canada.

**JORDAN:** Radio Amman 9560 f/d "Logo" cd. in 121 ds. (Schmitz).

**KOREA, REP. OF:** Radio Korea 15575 p/d "Olympic Stadium" cd. in 50 ds. for 2 IRCs. (Turner). p/d "10th ASIAD Opening" cd. in 54 ds. for 3 IRCs. (Weber).

**KUWAIT:** Radio Kuwait 11675 f/d cd. w/ schedule in 41 ds. (Josey).

**LAOS:** Leo National Radio 11870 f/d "Logo" cd. in 28 ds. for a FR rpt. and 1 IRC. This transmission was beamed via a Soviet satellite to Europe. (Rutsch).

**LESOTHO:** Radio Lesotho 4800 f/d "Flag" cd. in 237 ds. for ms. (Poxx).

**LIBERIA:** VOA Monrovia 15600 f/d cd. in 23 ds. (Josey).

**MALAGASY REP:** Radio Nederland 9540 f/d "Flevo" cd. in 19 ds. (Josey).

**MALAWI:** Radio Malawi 3380 p/d ltr. w/ f/d prepared cd. in 18 ds. after 2 f/up rpts. w/ SASE. v/s H.R. Chirwa, Head of Production. (Wilkins).

## RADIO KUWAIT

**MALAYSIA:** Radio Malaysia 15295 f/d folder cd. in 895 ds. after a certified ltr. to the Malaysian Embassy requesting their assistance. (Poxx).

**MALI:** Radiodiffusion Television Malienne 4783 f/d "Map" cd. in 39 ds. for a FR rpt. and 3 IRCs. (Mosman). f/d "Map" cd. in 38 ds. for a FR rpt. and ms. (Forst).

**MALTA:** Radio Mediterranean 6110 large f/d "Map/Tower" cd. in 18 ds. for 2 IRCs. Sticker and schedule rcvd. (Wilkins).

**MOROCCO:** Radio Mediterranee International 9575 form ltr. in 10 wks. for 2 IRCs. (Forth). p/d ltr. in 59 ds. for a FR rpt. and 2 IRCs. (Stephany) n/d ltr. w/ sticker in 115 ds. for a FR rpt. and 2 IRCs. (Wilkins).

**NAMIBIA:** Radio SWA 3295 f/d "Hoodia Vainsii" cd w/ sticker in 269 ds. (George-NC).

**PERU:** Radio America 6010 f/d "Map" cd. in 5 wk for a SP rpt. and ms. v/s Luis Angel Pinasco, Gerente. (Palmerheim). Ondas del Huallaga 3330 f/d form ltr. in 124 ds. for a SP rpt. and 1 IRC. v/s Flaviano Llanos M., Representante Legal. (Schmitz). Radio Tarma 4775 f/d form ltr. in 23 ds. after 2 f/up SP rpts. and 1 IRC. v/s Mario Monteverde. (Schmitz). Radio Madre de Dios 4950 p/d "Map" cd. in 17 ds. for a SP rpt. and ms. v/s Javier Aniz. (Wilkins).

\* Radio San Juan de Caraz 4729 n/d personal ltr. w/ pennant in 26 ds. for a SP rpt. v/s Victor Morales Guerrero, Gerente-Administrador. (George).

**POLAND:** Radio Polonia f/d cd. in 32 ds. (Engelberts).

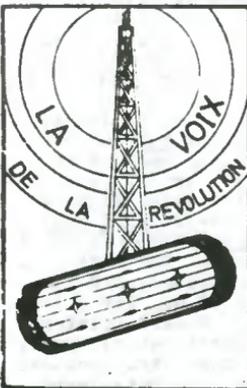
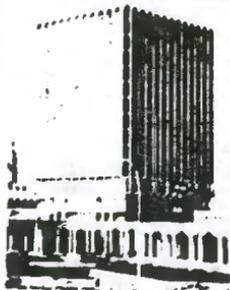
**PORTUGAL:** Adventist World Radio 9670 f/d cd. in 29 ds. for 1 IRC. v/s Sandy Hodgson. (Rutsch).

**ROMANIA:** Radio Bucharest 5990 f/d "Polk Costume" cd. in 52 ds. (Levison). 11940 cd. in 80 ds. (Levison).

**RWANDA:** Radio Rwanda 3330 f/d cd. w/ ltr. in 68 ds. for a FR rpt. and 2 IRCs. (D'Angelo). (Rutsch).

**SINGAPORE:** BBC 3915 f/d cd. in 23 ds. for 2 IRCs.

**SOUTH AFRICA:** Radio RSA 9615 f/d "Southeastern Free State" cd. in 19 ds. (Josey). f/d "Ricksha Puller" cd. in 2 wks. (Josey). 11900 same f/d cd. in 28 ds. for 1 IRC. (Engelberts).



SOUTH AFRICA: SABC Radio 5 4880 f/d cd. in 18 ds. w/ sked. and sticker. v/s Colin Miller. (Rutsch). Capital Radio 3930 p/d ltr. in 7 mo. (Goering).  
SPAIN: REE 15375 f/d "Plaza de Espana" cd. in 43 ds. (Josey). 9630 f/d cd. in 46 ds. (Josey). f/d "Castillo de Coca" cd. w/ schedule in 52 ds. for 1 IRC. (Josey).  
SRI LANKA: YOA 15395 f/d "Space Shuttle" cd. in 70 ds. (Wilkins).  
SUMATRA: RRI Tanjungkarang 3395 p/d "Batu Menyan Beach" cd. in 42 ds. for an IN rpt. and ms. v/s Drs. H. Mamdan Syahbeni, Station Head. Schedule was rcvd. (Davis).

SWITZERLAND: RCBS 6135 f/d "3-D Red Cross" cd. in 1 mo. (Goering).

SYRIA: Radio Damascus 12085 f/d "Map/Antenna" cd. w/ flag and schedule in 353 ds. for ms. v/s Alla Sharabat. (Foxy).

TAIWAN: CBS 9630 f/d cd. in 25 ds. v/s Lee Ming. (Rutsch)

TURKEY: Voice of Turkey 9560 f/d cd. w/ sticker and pennant in 19 ds. for 1 IRC. (Josey).

UKRAINIAN SSR: Radio Moscow 13790 via Simferopol f/d cd. in 2 mo. (Palmerheim). Radio Kiev 7175 cd. in 80 ds. (Levison)

UNITED ARAB EMIRATES: Voice of the UAE 4905 f/d form ltr. in \*49 ds. (Schmitz).

USA: YOA 15580 via Bethany f/d cd. in 23 ds. (Josey). 17785 cd. in 4 ds. (Josey). 11740 via Delano f/d cd. in 36 ds. (Josey).

9455 via Greenville cd. in 4 ds. (Josey). WMLK 9455 f/d ltr. in 1 mo. for ms. v/s Jacob O. Meyer. (Stephany). same in 24 ds. (Josey). KCBI 11735 f/d cd. in 18 ds. for ms. (Josey). KGEI 15280 f/d cd. in 43 ds. (Forst). Radio Marti 11930 f/d "Jose Marti" cd. in 25 ds. v/s Fred Rathert. (Josey). WINB 15185 f/d cd. in 22 ds. (Josey). Voice of Free China via WYFR f/d cd. w/ sticker in 49 ds. (Levison). KCBI-Radio Earth 11790 f/d cd. in 305 ds. (Stephany). WHRI 9770 f/d cd. in 51 ds. for ms. (Josey).

VENEZUELA: Radio Mara 3275 f/d prepared cd. w/ ltr. in 58 ds. for a SP rpt. and 1 IRC. (Schmitz). Radio Capital 4850 f/d cd. in 1 mo. for a SP rpt. and ms. (Forth). cd. in 16 ds. for ms. (Yamron). same in 28 ds. w/ sticker for a SP rpt. and ms. (Foxy). Radio Nacional 9540 f/d cd. w/ form ltr. in 630 ds. (Schmitz).

John M. Wilkins.  
4385 Hoyt St. #205  
Wheat Ridge, CO 80033 USA

Estimado amigo radio escucha, nos referimos a su atento reporte con fecha 7 de agosto de 1982, en el cual menciona la recepción de nuestra señal transmitida en 6185 y comunicando a usted que realmente sí fue la emisora de Radio Educación la que escuchó y respecto a su informe se la verifica que es correcto. Nuestros datos generales son:

XEPPM, Radio Educación

Frec. - 6185 KHz. onda corta  
Pot. - 1000 watts  
Ant. - Dipolo horizontal de 1/2  
Ciudad. - México, D.F.

XEPP, Radio Educación

Frec. - 1060 KHz. onda media  
Pot. - 50,000 watts  
Ant. - Omnidireccional de 1/2  
Ciudad - México, D.F.

Agradecemos la atención que se sirve al escuchar la -- transmisión y lo invitamos a que siga escuchándonos con la promesa de esforzarnos en mejorar nuestras transmisiones.

Atentamente

Ing. Gustavo Barreño L.  
SUBDIRECTOR TÉCNICO

Till next  
time 73s



Radio-Finland

Probably for the first time ever, unless I heard them in the 1950s, I logged Radio Yugoslavia in English. Noted on Jan 23 at 2213 on 9620, the IS ran until 2215 followed by about 2 minutes of the full English language schedule. The schedule was repeated again at 2225 at signoff, and the IS commenced at 2227. Radio Berlin Int'l took over 9620 promptly at 2230. Yugoslavia's parallel outlets on 7240 and 6100 both heard but not readable -- matching up audio on two receivers confirmed the presence of the signals. 9620 at best was an SID 222, with adjacent channel QRM from Vatican on 9615 and someone 20 db/9 on 9625.

Radio Pakistan sent along a DB6 schedule which was interesting. Marked up with highlighter markers, whiteout and handwritten frequencies, it reflects midseason adjustments. There are a couple of oddball frequencies penciled in, such as 15606 and 15122 kHz.

I raise the question again: what has happened to the European services of Iraq and Nigeria that were on 15120 kHz in the late afternoon my time? Now all I hear is Vatican Radio prior to the VOA signon. If you know, how about letting me know?

On a followup to last month, Jeanne Ferrell of Gilfer Associates told me of another variation to the JRC NRD-525's modification of the tuning rate. Some units required pushing the MEMO key, then the RUN key, to toggle the tuning rate of the main knob between 2 and 20 kHz per revolution.

The BBS had a number of calls from NASWA members last month... hello to Dave Alpert, from the MWDXC days... other names I recognized included Bill Cole and Harold Sellers. The board now carries SCDX bulletins uploaded by new NASWA member Bob Brown, KW3F. Back issues of SCDX and the monthly amateur radio DX newsletters from the Frankford Radio Club are available. First-time callers may now join conferences (type j;swl for the SWL conference; type j;m to rejoin the main section of the BBS) and download files (type l;radio from the files menu prompt to see a list of radio-related files); no longer do you have to wait for me to bump your status level, as described last month. Another conference that could stand some activity from NASWA members is the buy-and-sell (type j;barter) to list your equipment for sale or wanted.

Thomas R. Sundstrom	:	The SOURCE:	BCF811
PO Box 2275	:	Compuserve:	(send via MCI Mail)
Vincentown	:	MCI Mail:	244-6376
NJ 08088-2275	:	Telex:	6502446376 (via WUI)
	:	Packet Radio:	W2XQ @ WB2MNF
	:	Pinelands RBBS:	609-859-1910 (1200/300 8N1)

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#### FOR SALE

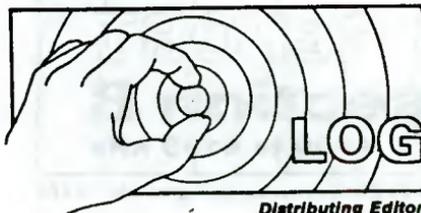
For IBM PCs, Compaqs and other PC clones, the program that manipulates the data files and produces these listings for FRENDS is now available. Minimum RAM requirements is 400K after DOS and other memory-resident programs are loaded. \$20 includes shipping (NJ residents add \$1.20 sales tax), check or money order payable to TRS Consultants, PO Box 2275, Vincentown, NJ 08088-2275. The current data files are always included, and updates are available. A demo version is available for download from the ACE BBS (1-913-677-1288) or from Pinelands RBBS (1-609-859-1910) or by mail for \$4 including shipping (NJ residents add \$0.24 sales tax).

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ENGLISH LANGUAGE SW BROADCAST SCHEDULES: By Start Time  
Compiled by Thomas R. Sundstroe, W2XB

Start Time (UTC)	End Time (UTC)	Country	Station	Freq 01	Freq 02	Freq 03	Freq 04	Freq 05	Freq 06	Freq 07	Freq 08	Target Area	Notes	Record Last Updated
0000	0045	German Dem Rep	R Berlin Int'l	9730	6080							ENA		01/10/87
0045	0130	German Dem Rep	R Berlin Int'l	9730	6080							ENA		01/10/87
0100	0130	Japan	R Japan	17845	17810	15350	15235					GOS/Asia		01/27/87
0215	0300	German Dem Rep	R Berlin Int'l	9730	6080							ENA		01/10/87
0245	0330	German Dem Rep	R Berlin Int'l	6165	6125							LA		01/22/87
0300	0345	German Dem Rep	R Berlin Int'l	9560	6010							WNA		01/10/87
0300	0330	Japan	R Japan	17845	17810	15350						GOS/Asia		01/27/87
0300	0540	South Africa	R Oranje	3215								Regional		01/18/87
0300	0530	South Africa	R Suid Africa	3955								Regional		01/18/87
0300	0530	South Africa	Radio 5	4880								Regional		01/18/87
0430	0515	German Dem Rep	R Berlin Int'l	9560	6010							WNA		01/10/87
0445	0530	German Dem Rep	R Berlin Int'l	11795	9730	5965						Afr/Eu		01/22/87
0535	1550	South Africa	R Suid Africa	7285	6005							Regional		01/18/87
0535	1550	South Africa	Radio 5	7170								Regional		01/19/87
0545	1545	South Africa	R Oranje	6150								Regional		01/18/87
0600	0700	South Korea	R Korea	15395	9570	7275	6060					Am/GOS		01/27/87
0645	0730	German Dem Rep	R Berlin Int'l	21540	21465	15240	11920					SE As		01/10/87
0700	0745	German Dem Rep	R Berlin Int'l	11810	5965							NE/Eu		01/22/87
0815	0900	German Dem Rep	R Berlin Int'l	21540	9730	7185	6040					FarE/Eu	31-49m to Eu Sa/Su	01/22/87
0945	1030	German Dem Rep	R Berlin Int'l	21540								FarE		01/10/87
1030	1130	United Arab Emirates	R Dubai	21605	17775	15320						Eu/Afr		01/17/87
1100	1115	Pakistan	R Pakistan	17660	15606							Eu		01/19/87
1215	1330	Egypt	R Cairo	17675								As		01/10/87
1215	1300	German Dem Rep	R Berlin Int'l	21540	21465	15240	11920					SE As		01/10/87
1245	1330	German Dem Rep	R Berlin Int'l	17755	15240	11890	11705	9665				NE/Afr		01/22/87
1330	1415	German Dem Rep	R Berlin Int'l	21540	21465	11920						SE As		01/10/87
1515	1600	German Dem Rep	R Berlin Int'l	17880	15240							SE As		01/10/87
1545	1630	German Dem Rep	R Berlin Int'l	15255	15170	11785	9730					NE/Afr		01/11/87
1550	1930	South Africa	R Oranje	3215								Regional		01/18/87
1555	2130	South Africa	R Suid Africa	3955								Regional		01/18/87
1555	2200	South Africa	Radio 5	4880								Regional		01/18/87
1600	1615	Pakistan	R Pakistan	15122	11625	11615	9465	7365	6070			E&SE Afr/NE	Slow-speed news	01/19/87
1615	1700	German Dem Rep	R Berlin Int'l	9730	7295	6115						Eu		01/22/87
1645	1745	Pakistan	R Pakistan	7100	6205							Eu		01/19/87





# FRENDX LOG REPORTERS

**Distributing Editor: John F. Henault, 55 Lincoln St., Abington, MA 02351**

**FRENDX CONTRIBUTORS LIST \*\*\*\* FEBRUARY, 1987 ISSUE \*\*\*\* DEADLINE 12th-MONTH**

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 \*\*\*\*\*

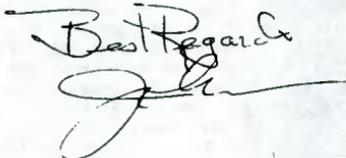
There we have it for another month my friends. Looks like we have picked up a few newcomers this month, they of course are always welcome here and I'd like to say HELLO and WELCOME to the Contributors List.

One, actually two entries this month have me somewhat perplexed, and that is not all that easy to do here hihi, However, I'd appreciate it if GERALYN and Lynn HOLLERMAN would kindly advise this confused editor if they are two of our contributors living in same house, or have I GOOPED somewhere along the way. I assume that its two different ladies and they share a receiver hi.

A word of request for the newcomers, PLEASE !!!!, give me your first names and if you so desire, the Receiver(s) that you use.

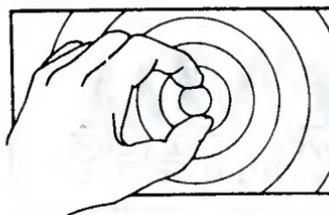
That about does it from here for today, the Electric Company men have now pulled up across the street and one of them has informed me that they will be cutting my AC power so that they can install some new poles. Sure hope they put in new static free insulators. Think I'll go talk with them about that matter, not that it will do any good hihi.

Till Next month, same time, same place.



**1987 WORLD RADIO TV HANDBOOK discount offer**

The Canadian International DX Club (CIDX) will be offering the 1987 WRTH at discount prices. The 1986 edition was selling in bookstores for \$29.95 last year - this year our club price will be \$25 by 4th class, \$27 by 1st class or \$29 by special delivery. This offer is only valid for books shipped to a Canadian address, and all funds are in Canadian dollars. All cheques/MO payable to CIDX, please! Orders should be sent to: CIDX / Don Moman, #61 - 52152 Range RD 210, Sherwood Park, Alberta T8G 1A5.



# LOG REPORT

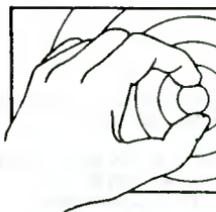
## section B

4900 to 6199 kHz

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

- 4905 BRAZIL R.Relogio, time sig 0705 12-14, ad, moderate signal (Schulze).
- 4915 CHINA Nanning per WRTH, CH-EG lessons 1437-1444 12-7, fair sig (Kashiwabara-CA).
- 4915 GHANA Accra, EG 0703, ID, world rx, poor sig, hrd till 0711 12-4 (Kashiwabara-CA); at 2206 on 1-4, man giving a long talk (Schanke).
- 4920 CHAD N'djamena, FR speech and cmtry 0527-0602, het 0555, good sig (Kashiwabara-CA).
- 4920 ECUADOR R. Quito, VG 0230 12-23, HC mx, ads, amts, bank ad, ID 0240, nx (Dickson).
- 4920 INDIA AIH-Madras, EG nx 1540 12-27, Delhi relay, ID, local lang (Schulze); tent. at 1800, M&W alt. with prob.nx, seems //4800, both very weak (Burnell-NFLD).
- 4925 Harbin, KR play 1030-1103, CH ID 1058, into CH play, good sig 12-19 (Kashiwabara-CA).
- 4945 BRAZIL R.Nacl Porto Velho, 1024 12-17, man talking, ID 1024, talk, fair (Bobb-MN).
- 4945-5 COLOMBIA Caracol, SP nx 0503-0515, IDs, mentions of Neiva, poor (Kashiwabara-CA).
- 4952 ANGOLA R.Nacl, pops to 2215 ID 12-19, talk, mx, ID 2226, poor sig (D'Angelo-PA); 4952.3, pol.rpts 2235 12-11, local mx (Schulze); 4952.4, pops 0321 on 1-7, IDs, brief nx 0359-0341, more mx, fair signal (Burnell-NFLD).
- 4960 CHINA Beijing, in JP 1105, talk abt foreigners in CH, JP songs, poor 12-19(Kashiwabara).
- 4960 MADAGASCAR R.Madagasikara, 0220-0241 12-10, tribal mx, ID, mx, nx, a little FR but mostly local lang (D'Angelo-PA); vernacs 0307 12-23, mx, talk, fair sig on 4961(Rigas-IL).
- 4965 BRAZIL R.Poti, 0230 12-25, IDs, TCs (Schulze); 0557-0636 12-23, multi-lingual echo ID on hr and half hr, PT pope, DJ whistling along, but poor sig (Kashiwabara-CA).
- 4970 VENEZUELA R.Rumbos, live sports 0230 12-20, ads and ID by anncr 0246, fair (Dillon-MD).
- 4975 COLOMBIA Ondas del Ortegausa, LA songs 2301 12-26, bulletins, IDs (Tuchcherer-WI).
- 4976 UGANDA Kampala with Xmas carols 12-28, also reggae, fair at 1943 (Burnell-NFLD); nx at 0406, low modul talk, instr.mx, vernac nx 0430 12-24, poor (D'Angelo-PA); Swahili nx 0431 12-27, ID, hlife (Rigas-IL); talk 0437 12-28, carols, jingles, etc(Paszkiwicz-WI).
- 4980 VENEZUELA Ecos del Torbes, LA mx 0209, ID, TC (Dillon-MD); 2040 fade-in 12-12 (Schulze).
- 4985 BRAZIL R.Brasil Central, PT IDs 0230 12-16, fqy armt, PT & US mx (Kashiwabara-CA).
- 4990 ARMENIAN SSR Yerevan, vocals 0229 12-14, IS, nx, mid-east mx, RSA getting stronger underneath at 0256 (D'Angelo-PA).
- 4990 IRAN Tehran, fair in Farsi, ID 1330 12-25 (Rigas-IL). Hrd by others armd 0300.JB.
- 4990 NIGERIA Lagos, EG political quotes hrd at 2250 on 12-26 (Copp).
- 4990 S.AFRICA R.RSA, 1657 EG/Chichewa, IS, IDs, NA, pipe, nx, //7270; poor 12-27 (Park-HI).
- 4990 USSR Unid. site, FR nx to 2200, then EG WS, //4060, 4795, tuf copy 1-1 (Burnell-NFLD).
- 4996 PERU R.Andina, flute mx 0028 12-25, hysterical yelling, poor sig (Kashiwabara-CA).
- 5000 HAWAII WwVH, weak 1214 12-23 with gal giving TC, before and under WwV (Dillon-NC).
- 5000 JAPAN JJJ, 0729 1-2 with morse code and time pips under WwV and WwVE; poor (Schanke).
- 5010 CAMEROON Garoua, 2204 with FR anncr, seemingly nx, on 1-4 (Schanke).
- 5015 CANADISTINE R.Truth, usual bird IS s/on \*0430 12-26, all mx prgm; poor (K.Hill-MA).
- 5015 USSR Arkhangelsk, weak with RS talk 0325 1-3, Mayak IS 0330, 0400 (Rigas-IL); Mayak prgm 0715 12-18, RS EZL mx non-stop, IS, man in RS 0730, fair sig (Bobb-MN); clas.mx at 1820 12-28, IS 1829, nx 1830 (//4930), weak with ute and GN numbers stn (Burnell-NFLD).
- 5015 USSR Vladivostok, soft instr.mx 1218 12-9, Moscow IS 1230, ID mentioning Moscow, then nx by man, ment.Pravda, also remotes; vocals at 1236; poor overall (D'Angelo-PA).
- 5020 SOLOMON IS Honiara, EG, mx, good at 0538 12-24 (Schanke). Early for this one, no?JB.
- 5020 SRI LANKA Colombo tent., local mx 1520 12-22, nx 1530, local mx 1552 (Schulze).
- 5020 VENEZUELA R.Nacl, 0315-0354\* 12-24, all mx format, mostly US pops, also LA stuff, ended with quick ID, s/off amts, NA with full chorus and orch; fair-good (Jordan).
- 5025 BRAZIL R. Transamazonica, 0355-0415 12-27, pops, amts, ID, fair in het (Alexander-PA).
- 5025 CUBA R.Rebelde, SP talk show 2243 12-14, ID 2251, strong signal (Hollerman-AL).
- 5030 BOLIVIA R. Cuarto Centenario, 2350 12-2, ID, LA mx, ad, romantic songs (Schulze).
- 5035 CENT.AFR.REF. Bamgui, FR hlife 2026 12-13, talk, mx, ID 2129 (Paszkiwicz-WI).
- 5040 ECUADOR LV del Upano, 0130 12-25, talk by M&W, ballads, ID (Alexander-PA).
- 5040 GEORGIAN SSR Tbilisi, clock strikes 12 at 2000 12-27, martial mx, Moscow ID in RS 2005, dance mx, 2050 nx to 2100\* with NA, fair sig (Burnell-NFLD); talk by M&W 0407 12-10, later into vocals, remote rpt 0419, more vocals, poor overall (D'Angelo-PA).
- 5047 TOGO Lome, Louis Armstrong numbers, hlife, reggae, on late, 0007-0317 12-22(Paszkiwicz).
- 5050 TANZANIA Dar-es-Salaam, Swahili 0357 12-21, talk, drums, IS, TC, Afr nx, ID 0406, poor-fair in QRM (Bobb-MN); tent. them 1821, Afro mx, maybe ID 1830, poor sig (Park-HI).
- 5055 ECUADOR R.Catolica Nacl, soft instr.mx 0240 12-11, prayer 0247, 0258\* (D'Angelo-PA).
- 5055 SWAZILAND TWR, relig.prgm 1755 12-21, Albania QRM; make it tentative (Schulze).
- 5065 ECUADOR R.Nacl Progreso, 0035-0103 12-27, pops, echo amts, man with ID, next night on 5064 (Alexander-PA); Xmas songs at 0317 12-13, also LA mx (Schulze).

- 5095 COLOMBIA R.Sutatenza, LA vocals 0344 12-5, strong w/some CW QRM, ID 0347 (D'Angelo-PA).  
 5260 KAZAKH SSR Best ever from Alma Ata 0200 12-26, ID 0159, short IS, M&W with smt, gal talking; usually good at this time of year (Derlings?)
- 5274 PERU R.San Juan de Chota, nice OA mx 0151-0331 tune-out, ID 0228, often past 0400 (Tuchs-  
 5290 USSR Krasnoyarsk HS, nx in RS 0305, IS, kids story, weak 1-6 (Burnell-NFLD). cherer-WI.  
 5574 USSR Unid. site, 0830 12-27 with RS HS, instr.mx, smts, QRM, fair sig (Kashwabara-CA).  
 5800 PERU R.Nuevo Cajamarca, LA songs and flute mx, 0120-0202\* 12-31, ID and NA at close (Tuchscherer); R.Precuencia San Ignacio, vocals 0232 12-17, long orchestral anthem at 0243\*, poor sig (D'Angelo-PA). One in the same, or separate stns? JB.
- 5883 ISRAEL Kol Israel, EG nx 2238 12-14, ID 2240, poor signal (Hollerman-AL); EG s/off smt 0224, 0225\* with IS, poor signal (Kashwabara-CA).
- 5890 CLANDESTINE LV de la UNO, anti-Nic talk 1145 12-21, very good, clear signal (Jones).  
 5894 INDONESIA RRI-Pekanbaru tent., Indo pops 1526 12-27, no clear ID, sig loss 1535 (Schulze).  
 5905 USSR R.P&P, FR anti-nuke talk 0125, into RM SP prgm 0130, nx; good sig (Dillon-NC); RM in SP at 0130 12-18, EZL mx bridge, ID (many), fair-good (Jordan).
- 5910 USSR RM, maybe in Arabic, 1325 12-26, fair, //5945 (Schanke).  
 5915 USSR RM in EG 2240 12-14, good sig, //5945 (Hollerman-AL); N.Am Svc 0135 12-24, various talk segments, //5940 also good (Dillon-NC); EG talks 0320 12-29, good, //5940 (Schanke).
- 5930 CZECHOSLAVAKIA Prague, 2256-2301 12-14 in SP, ID 2300, QRN (Hollerman-AL); 0100 EG ID, IS, nx, good sig (Dillon-ND); fair with EG talk 0145-0200 12-11 (Bonnet-IN).
- 5930 USSR Murmansk, RS songs 2044 12-29 (//5040), Moscow ID 2050, IS, nx, bells, NA 2100 but then jazz (then //4940-Kiev), poor w/Prague QRN (Burnell-NFLD); poor mixing with Prague to 2102\* 1-6, RS talk, pips, chimes, NA (Rigas-IL).
- 5950 FRANCE RPT, in FR 0150-0158 12-25, EZL mx, talk by M&W, ID (Alexander-PA).  
 5955 COLOMBIA LV de los Centauros, LA mx 1045 12-25, ads, ID 1051, 5956 het (Klein-WI).  
 5960 CANADA RCI, EG at 0329 12-29, fqy, ID, fair signal (Schanke).  
 5960 IRAN Tehran, AR nx 1425 12-14, prayer 1506, faded 1510 (Kilgallen).  
 5965 ENGLAND BBC, sports 1245 1-1, //6195 (Schanke); ID 1327, 1330\*, poor sig (Schanke).  
 5975 ENGLAND BBC WS, World Nx, Press Rvw, 0200-0215 12-16, good signal (Dillon-MD).  
 5980 GUATEMALA AWR, relig, mx 1105 1-4, "LV de Esperanza" ID, fair sig (K.Hill-MA).  
 5985 USA VoFC over WYFR, good w/CH mx 0040 (Levison-PA); EG 0200-0300, CH lessons (Dillon-NC).  
 5991.5 COLOMBIA LV de Ariari, weak 1059 12-25, het, ID 1118, ment. Caracol (Klein-WI).  
 5995 AUSTRALIA RA, 1200 (Hollerman-AL), 1800 (Schulze), 1130 (Park-HI).
- 6000 USSR RM, EG 0109 1-4, good sig (Schanke); EG mailbag 1242, good 12-12 (Hollerman-AL).  
 6010 S.AFRICA R.RSA, DX Corner 0242 12-22, //6185, 9615 (Park-HI).  
 6010 USA KCEI, 1057 12-14 with end of RS relig. prgm, list of FEBC stns, RS/EG ID (Park-HI).  
 6010 USSR RM, EG nx on Angola, 1220 on 1-1, good sig (Schanke).  
 6020 HOLLAND RN, nx, SW nx, 0230 on 12-20, ID, //6165 (Bonaire) very good (Schanke).  
 6020 USSR RM in RS 1400, below Kiev, 12-25; 6019.9, R.Kiev, \*1415 12-22 (Schulze); RM ID at 0331 on 12-29, poor sig (Schanke).
- 6020 BRAZIL R.Gaucha, talking 0805 12-11, ticks 0815, ID 0827, poor-fair (Bobb-MN).  
 6025 BOLIVIA R.Illimani, nice ID 1027 12-7, fqy smt, relig. prgm in dialect (D'Angelo-PA).  
 6030 BRAZIL R. Globo, talk by man 0815, TC, Br.mx, "Silent Night," fair 12-13 (Bobb-MN).  
 6030 W.GERMANY Sueddeutscher Rdfnk, GM 1850 12-27, mx, ID on hr, nx, fair sig (Neide-OH).  
 6030 VATICAN VR, EG relig. prgm 0055 12-15, ID 0106, new fqy for me (Hollerman-AL).  
 6035 CUBA Havana, Cuban instr.mx 0230, SP lang, into FR 0300, EG 0400, fairly good (Jordan).  
 6035 LIBERIA VOA, very good in EG at 0651 12-28, also good on 6080 (Schanke).  
 6040 ANTIGUA DW relay, EG ID for relay at 0059 12-18, nx, Mike on Europe (Dillon-MD).  
 6040 BRAZIL R.Cl.Paranaense, talk 0832 12-13, jingles, ID, REI QRM (Alexander-PA).  
 6045 W.GERMANY DW in EG at 0337 12-29, talk about nuclear accidents, good sig (Schanke).  
 6055 JAPAN NSE, RCI IS 0830 1-3, then "Can This Week" prgm from RCI, poor sig (Park-HI).  
 6060 AUSTRALIA RA, 1418 12-25 (Schulze); 2234 1-1, nx, good here, fair on 6080 (Schanke).  
 6065 JAPAN R.Japan, SP 1030, fqys, prgm.prvw, nx, ID, //5990, fair sig (Park-HI).  
 6070 BULGARIA Sofia, EG cultural prgm on the average Bulgarian, 0015 1-7 (Thunberg-PA).  
 6070 CANADA CFRX, pops 1939 (Nagel-PA); ID 2322, talk show from CFRB (Belson-ND).  
 6080 AUSTRALIA RA, EG to PNG 1424, Aussie nx 1430, hrd 12-25 (Schulze).  
 6080 E.GERMANY RFI, EG at 0025 12-15, ID 0027, sked, IS 0042, fair sig (Sampson-WI).  
 6085 W.GERMANY Bayerischer Rdfnk, "Countdown USA" 2015 12-13, pops, ID, good sig (Neide-OH).  
 6090 CUBA Havana, EG stamp prgm 0235 (Nagel-PA); sports 0316 12-29, EG (Schanke).  
 6090 LUXEMBOURG R.Luxembourg, GM prgm, pop mx 2319 12-23, fair sig (Nagel-PA).  
 6090 USSR R.Tikhy Okean, 0827-0850 12-13, RS talk, EG anti-nuke cntry 0845-0848, ID like "tee-kee o'sheen," good signal (Kashwabara-CA).
- 6120 ENGLAND BBC, story being read 0134 1-4, poor sig (Schanke).  
 6130 ECUADOR HCJB, EG religious mx at 0823 on 1-4, good signal (Schanke).  
 6140 W.GERMANY DW, poor at 1657 12-10, maybe Greek, IS to 1700, symph.mx, ID (Park-HI).  
 6145 NETH.ANTILLES TWR-Bonaire, poor 0730 12-10 in PT, IS, IDs, sked, into nx, RM QRM (Park-HI).  
 6155 AUSTRIA Vienna, EG 0130 12-21, Austrian nx, Xmas stories, fair (Dillon-MD); talk on arts 0132 1-1, good (Levison-PA); "Rpt From Austria" 0330 12-19, mx (Sampson-WI).  
 6160 COSTA RICA R. Impacto, 1245-1325 12-29, mx, ID, Xmas song, SP of course (Neide-OH).  
 6175 ANTIGUA BBC WS relay, EG talk 0150 12-18, world nx, press rvw, good sig (Dillon-MD).  
 6180 CYPRUS (per WRTH) BBC at 1939 1-6, good with stock mkt rpt (Schanke). 73--



# LOG REPORT

## section C

6200 to 11699 kHz

Editor: Joe Freeborn, Bldg. 877, Apt. 625, Governors Island, NY 10004

Hi to all in February. Just a note to those who send their loggings right to me instead of to John. This is fine with me, but to be sure to have them to me prior to the third weekend of the month as this is when I type up the report. If they arrive late, I will try to include some of them in the next month column but they are usually too dated to be of much use. Thanks.....

- 6205 ECUADOR HCJB 0707 EG, Pgm of Xmas carols and who wrote them, also 6130/9745. Poor sig. (Park-HI 12/14)
- 6245 DOMINICAN REPUBLIC R. Discovery 0250 EG. Fair but fading sig., SP pop mx w/ID by Jeff White. (Rigas-IL 12/10)
- 6264.1 CLAND. R. 15 de Sept. 1253 SP. Poor w/weak sig., QRM from UTE. Anti-Sandinista proproganda. 5950 better. (Rigas-IL 12/18)
- 6556v CLAND. R. Venceremos 0248-0305, comments of Salvador. ID. VFO jamming, poor sig. (Kashiwabara-CA 12/19)
- 6691.1 PERU R. Cutervo 0046 SS, Choral singing w/flute accompy., ID at 0049 into holiday entertainment. (Klein-WI 12/15)
- 6691.2 PERU R. Cutervo 0044-0106 SP, Talk by man, into LA mx. ID's at 0046 & 0049. Some RTTY QRM. (Tuchscherer 12/24)
- 7065 ALBANIA R. Tirana 0400 Lang. Unid. Horn IS, stirring NA. ID and anncmt by M. nx, not RS as in WRTH. (Park-HI 12/9)
- 7105 MONACO TWR 0900-0930 EG, Tlk about the founder of the Moody Bible Institute. (Copp 12/22)
- 7115 BULGARIA R. Sofia 2135-2210 EG. World nx. ID. pgm "Music from Bulgaria", into RMWS at 2200 w/wld nx. (Dillon-MD 12/13)
- 7115 USSR R. Moscow 1908 EG, News, church celebrates Xmas in USSR, good sig, slight Ham interference. (Schanke 1/6)
- 7135 FRANCE RFI 0528 FR. 1920's type song about "L'Americains", M w/nx and headlines. QRM jammer 7130.QRN. (Park-HI 12/15)
- 7160 OMAN BBC 1828 EG/Farsi, M anncing that Persian will follow, ID "This is the BBC. The next program is in Persian." pips w/woman w/ID "Inja London", news. (Park-HI 12/24)
- 7170 CHINA (?) Station unknown, Chinese, 1210. Sounds like nx, few bars of mx, YL tlk, small bits of mx selections. (Levison 12/31)
- 7180 CYPRUS CBC 2210-2215 GK, Guitar IS, 2215 brief anncmt then a radio drama, fm 2236 to 2243 disco mx, brief anncmt and off at 2244 without fanfare. (Burnell-NF 11/29)
- 7195 LIBERIA VOA 1730 EG, "Now Music USA" w/this week's top 10 like "Stand By Me", under RMWS, local QRM. (Park-HI 12/11)
- 7200 SOMALIA R. Mogadishu \*0300-0345 Somali, ID after anthem, with Qu'ran recitations to 0306, long tik by OM, another OM at 0317 w/local vocal mx, nx at 0330, No VOA noted. (D'Angelo-PA 12/22)
- 7210 SWAZILAND TWR 0429 EG, Handbell IS, w/ID and pgm preview, UK religious pgm, Co-channel USSR QRM. (Park-HI 12/27)
- 7215 AUSTRALIA R. Australia 1202 EG, World news. (Levison-PA 12/31)
- 7230 USSR R. Moscow 0115-0133 Russian, YL w/RS pop mx, anncmt abt Mocova, ID at 0130. (Dillon-NC 12/26)
- 7245 LIBYA V. of the Great Arab Homeland 0134-0205 AR, Libyan mx, ID at 0203, poem. Poor sig. (Dillon-NC 12/26)
- 7255 BOTSWANA R. Botswana 0354 Vernacular, Good at s/on w/usual Barnyard IS and ID w/prayer following. (Rigas-IL 12/31)
- 7270 POLAND R. Polonia 2229-2259 EG, IS/ID, nx, "Postbag" program (Neide-OH 12/26)
- 7270 N. KOREA R. Pyongyang 0815 KR, M w/S, Korean accent with long complaining tlk, local mx, ID at 0834, New freq.?(Park-HI 1/6)
- 7275 S. KOREA R. Korea 1230 EG, ID w/news to 1245.. into Russian at 1247. (Schulze 12/28)
- 7275 USSR R. Tashkent 1200 EG, nx, mx.s/off at 1228(Schulze 12/28)
- 7310 USSR R. Moscow 0135 EG, answer listener questions(Schanke 1/1)
- 7325 ENGLAND BBC 0254 EG, Talks on smoking/cancer, also NASA and European space pgm. (Schanke 1/5)
- 7325 ENGLAND BBC 0042-0047 EG, Xmas play at girls school, preaching about Xmas preparations. (Hollerman-AL 12/14)
- 7355 ALASKA KNLS 1709 EG, "Chuck Cecil's The Swinging Years", Big Band show, local QRM/QRN. (Park-HI 12/11)
- 7372.6 PIRATE WJOI relay 1709 EG, Fair w/relay of WJOI 97.1fm from Detroit, "FM 97 WJOI.W-Joy" ID's, on at 1913 (Rigas-IL 12/27)

7380 UNID. 0111-0212 SP. Na rock mx. SP ancmt by M "Familiacent.."  
0012 into SP mx. vocals. Heavy QRM (Hollerman-AL 12/14)

7390 CUBA (?) 0046-0100 SP, Opera at 0046. tlk by M & W, ID 0058  
not caught, R. Habana IS 0100. Fair sig. (Hollerman-AL 12/14)

7400 USA Radio Earth 0300-0400 EG. via WHRI. s/on R. Earth, ads,  
Skyline w/letters. Curacao ad. Xmas symbols. (Dillon-MD 12/20)

7455 SYRIA R. Damascus 2110-2200 EG. News. press reviews, Arabian  
music. (Copp 12/21)

7455 SYRIA R. Damascus 2204 EG. end of EG xmission. ID and said  
good-byes. heavy RTTY QRM. (Nelson-ND 1/6)

7465 ISRAEL Kol Israel 0002 EG. news, "Calling All Listeners". "DX  
Corner", tlk on alternative tv. (Sampson-WI 12/15)

7465 ISRAEL Kol Israel 2230 EG. s/on. ID. nx. program "Let My  
People Go" (Nelson-ND 1/6)

7495 GREECE Radiofonikos Stathmos Makedonias 1900-2000 Greek. intl  
variety mx. quick ID on hour, good sig. (Neide-OH 12/13)

7504 CHINA CPBS 1 0720 CH. Possible variety show. 2 men doing a  
Vaudeville routine, lots of laughter. (Park-HI 12/8)

7550 S. KOREA R. Korea 0853-0900\* EG. ID. mailbag, contest rules.  
fair signal. (Kashiwabara-CA 12/6)

7685 TUNISIA R. Tunisia 2315-2330\* AR. Very good w/Khoran reading.  
ID. NA and s/off. Noted at 1900 s/on. (Rigas-IL 12/26)

7800 AUSTRALIA VNG Time Station 0705. Time Pips. (Schanke 1/5)

8063.8 PERU R. Paraiso de Los Andes 0212-0236 SP. Huaynos and  
ballads. (Tuchscherer) date?

81101sb USA VOA DEL 1559 EG/BG. mx on USB/LSB but bad on AM. then EG  
nx to Asia at 1600 on USB. EG at 1600 on LSB. (Park-HI 12/26)

9022 IRAN V. of the Islamic Republic of Iran \*1930-1946 EG. IS to  
YL ID. EG bcst sked, OM w/pgm preview. (D'Angelo-PA 12/7)

9080 CHINA CPBS 1 2032 CH. W airing Chinese-accented European style  
classical mx by orchestra. (Park-HI 12/30)

9345 N. KOREA R. Pyongyang 1901 GM. NA w/ID. preview. nx (Park 12/22)

9400 CLAND. R. Iran 1900-1925\* Farsi. talk w/mentions of Iran, ID  
as "Radio Iran" at s/off. (Rigas-IL 12/21)

9410 ENGLAND BBC 1745 EG. IS. sports roundup. (Schanke 12/26)

9430 ALBANIA R. Tirana 2207-2225\* SP, Gypsy sounding folk music with  
vocal/strings. YL w/nx & cmntry. IS. (Jordan 12/11)

9435 ISRAEL Kol Israel 0116-0123 EG. "The Week in Review" program.  
ID at 0123. Fair sig. (Hollerman-AL 12/7)

9450 USSR R. Moscow 1333 EG. Tlk about parents/grandparents living  
under one roof. tlk about housing. (Schanke 12/26)

9455 USA VOA GV 0032 EG. "Now Music USA", top 10. (Park-HI 1/2)

9455 USA WMLK 1730 EG. scripture readings and discussions by Elder  
Jacob O. Meyer. ID at 1750. (Neide-OH 1/1)

9480 ALBANIA R. Tirana 2230-2245 EG. IS. ID. nx. talks on latest  
US/USSR relations, terrorism, other news. (Jordan 12/11)

9495 PAKISTAN R. Pakistan 1114 Burmese(?), IS. nx, mx interlude,  
talk. Qu'ran reading. (Park-HI 12/22)

9495 MONACO TWR 1536-1551 Lang ?, talk by OM. mx at 1541. music  
box IS at 1645. Hrd 12/30 only. (Tuchscherer 12/30)

9515 ANTIGUA (?) BBC 2350 EG. wld svc. "New Year Outlook" featuring  
various BBC hosts. prayer, news, previews. (Park-HI 12/31)

9515 USA 0329 SH. to Cyprus. ancmt of freq. & site change for BBC  
WS. ID "Hii ni BBC London.." then off from Delano (Park 12/17)

9515 MALAYSIA RTM 1444 Malayan. DJ's w/pop, jazz mx (Park-HI 12/19)

9535 ANGOLA R. Nacional de Angola 1830 P. nx. loc mx (Schulze 12/19)

9535 CHINA R. Beijing 1202-1240 EG. tlk about China and India. nx  
at 1206. ID at 1237. Good after 1230. (Hollerman-AL 12/12)

9535 QATAR QBS 1702-1735 AR. nx by YL. mx fm 1720 (Tuchscherer 1/3)

9540 NETHERLANDS R. Nederland 1920 EG. Mad. relay. end of EG svc.  
to Africa. Bcast sked, site per WRTH. (Laskowski-IN 12/22)

9553 EQUATORIAL GUINEA Intl. Svc. of Bata 1714 EG. religious pgm  
from US church. ID in SP at 1728. Melabo address (Schulze 12/24)

9560 ETHIOPIA VORE 1520-1540 EG. Vocals. local TC. ID at 1530. nx.  
time pips. music. (Paszkiwicz 12/26)

9570 S. KOREA R. Korea 0930 PT. ID w/sked, pgm preview with the  
news. QRM from R. Aust. 9580. (Park-HI 1/5)

9580 AUSTRALIA R. Australia 0916 EG. Shepp stn. "Talkback Rewind".  
media hilites of 86. rx buying series. (Park-HI 1/4)

9585 GUAM KTWR 1003 CH. M&W w/EG LL explaining a song about snow.  
Ancmt ending with "KTWR Aganya" (Park-HI 12/18)

9590 NETH. ANTILLES RNW 0237 EG, "New Years Revelations 1987", top media nx and radio/tv bloopers. (Park-HI 1/2)

9590 MADAGASCAR RNW 2130 IN, Electric piano IS, ID as "Inilah R. Nederland", YL with the news. (Park-HI 1/1)

9590 NETH. ANTILLES R. Nederland 0300-0325\* EG, Sports, fishing clubs, mx, DX tlk, listener mail. (Bonnet-IN 12/27)

9595 SEYCHELLES FEBA 1556 EG, "Back to the Bible", ending w/Xmas carols, ID, news. (Park-HI 12/16)

9595 URUGUAY R. Monte Carlo 0050-0200 SP, Pop & LA mx, ads, news at 0100. Several ID's. (Copp 12/11)

9595 UNITED ARAB EMIRATES UAE Radio Dubai, 0334-0344 EG, OM w/nx, 0336 ID, request for reception rpts. (D'Angelo-PA 12/5)

9600 UZBEK SSR R. Tashkent \*1200-1215 EG, IS, s/on, ID and freq., pgm preview, nx, SALT II commentry. (D'Angelo-PA 12/6)

9605 CZECHOSLOVAKIA R. Prague 1628 AA, Pgm details, IS, ID, news, OM w/commentry. (Sampson-WI 12/15)

9610 S. AFRICA RSA 0007 SP, African nx, DX pgm. (Park-HI 1/2)

9610 AUSTRALIA VLW9 1200-1215 EG, World nx, TC "2 1/2 after 8", mx career of Bing Crosby. QRM de 9605/9615 (Dillon-MD 12/20)

9615 S. AFRICA RSA 0159-0255 EG, IS, ID, news, Xmas edition of the Mailbag pgm, Saturday RSA, news in brief. (Dillon-MD 12/21)

9630 SPAIN Spanish Foreign Radio 0100-0200 EG, ID, world nx, sports press review, "Radio Club", talk about Toledo. (Dillon-MD 12/14)

9640 S. KOREA R. Korea 2200 RS, NA, opening theme w/ID "Govorit R. Korea", sked, news. (Park-HI 12/25)

9640 UNITED ARAB EMIRATES UAE Radio 1530-1730 AR/EG, mx, EG ID at 1600, story, news and weather at 1630, mx. (Neide-OH-1/5)

9645 VATICAN STATE Vatican Radio 2053 EG, Xmas talk (Uerlings 12/25)

9655 AUSTRALIA R. Australia 0845 EG, sports talk. (Schanke 1/4)

9655 EGYPT R. Cairo 2005-2040 EG, Talk about S. Africa, Angola, ID at 2030, cmntry and music. (Jordan 12/13)

9655.5 THAILAND R. Thailand 1220 EG, news and anthem. (Schulze)

9660 USA WYFR 2314 EG, Harold Camping doing "Open Forum" (Park-HI 1/1)

9675t TUNISIA R. Televisionne Tunisienne 0525-0542 AR, talk, music. (Kilgallen 12/16)

9680 JAVA RRI Jakarta 1250 Indonesian, ID. (Schulze 12/20)

9690 ARGENTINA RAE 0120 EG, Argentine music. (Copp 12/23)

9690 W. GERMANY Deutsche Welle 2159-2203 GM, ID over and over into frequency list. Fair sig. (Hollerman-AL 11/7)

9700 CHINA RB FS 0832 EG, World news, "News about China", ancrs spoke with forced accents. (Park-HI 1/1)

9700 USA AFRTS DEL 1534 EG, "CBS World News", Pacific time tics, UPI nx, Cosell pgm. (Park-HI 12/26)

9705 MEXICO R. Mexico International 0300-0340\* SP, ID, music pgm, vocals, news at 0330, more music. (Jordan 12/30)

9705 PORTUGAL R. Portugal 0304 EG, nx, Prince Charles visits Port., EEC meeting on transport. (Sampson-WI 12/19)

9710 USSR R. Moscow 1800-1838\* FR, news, Mid-East cmntry, interviews, more cmntry and mx program. (Jordan 12/13)

9719.9 SAUDI ARABIA BSKSA 1828-1855 EG, music, news, ID, commentary, weather report. (Paszkievicz 12/13)

9720 SRI LANKA SLBC 1515-1545 EG, rock mx, ID at 1530 (Neide-OH 12/14)

9730 CUBA R. Havana 1758 SP(?), sign on w/ID (Schanke 12/26)

9735 OMAN R. Oman 1605-1644 AR, under VOA w/nx in AR, ID at 1610, followed by Mid-East music. (Tuchscherer 12/30)

9740 SINGAPORE BBC 1030 EG, World svc., IS, satirical look at 86, "Two Cheers for 1986", (Park-HI 1/1)

9745 ECUADOR HCJB 0841 EG, Religious talk, Bible reading (Schanke 1/4)

9750 W. GERMANY R. Liberty \*0000-0006 Russian, IS, ID as "Govorit Radyo Svoboda", followed by news. (D'Angelo-PA 12/22)

9760 PHILIPPINES VOA 1130 EG, "Now Music USA" pgm (Park-HI 12/30)

9760 KUWAIT R. Kuwait 2115-2145\* AR, Recitations, "Huna Al Kuwait", ID at 2125 in Iraq/Libya talks, AR music. (Jordan 12/26)

9765 ASCENSION ISLAND BBC 2002 EG, World svc., news, "24 Hours" on Chad, other news items and cmntry. (Park-HI 1/2)

9785 S. AFRICA RSA 2240-2330 EG, special freq. for New Year phone in show, calls from UK, US, Scotland. (Neide-OH 12/31)

9820 USSR R. Moscow 1245-1330 EG, World svc., "Culture and Arts" pgm, nx at 1300, Soviet nuke moritorium, was unable to find listing for RMWS on this freq. (Jordan 12/20)

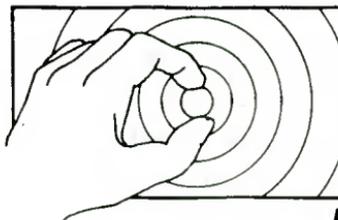
9825 UNITED KINGDOM BBC 1717 AR, nx pgm, phone-in correspondants, music at 1726 w/ID at 1729. (Park-HI 12/12)

- 9835 HUNGARY R. Budapest 2110 EG. cmntry on agriculture. mx with vocals. mx by Hungarian group. (Levison-PA 12/21)
- 9853 USA WYFR 2135-2156\* GM. Program in GM translating CH songs. ID at 2154 in EG. (Hollerman-AL 11/7)
- 9855 TAIWAN VOFC 2010 F. via WYFR. music in CH. talk or cmntry by YL in French. (Levison-PA 12/21)
- 9870 ECUADOR HCJB 0115 EG. Commentary on bats. commentary on a new QSL card. (Levison-PA 11/8)
- 9870 ECUADOR HCJB 0246 EG. "DX Party Line". (Park-HI 12/11)
- 9885 USSR R. Moscow 1300-1315 Dari(?), RM ID. nx. possible central Asia site, freq not listed anywhere. (Dillon-NC 12/23)
- 9895 NETHERLANDS R. Nederland 1704 DT. nx magazine show. story on Dutch phone system. WRTH lists 3 xmtrs on 9895. (Park 12/12)
- 9900 CHINA RB FS 1940-1955\* PT. selections of CH classical music. s/off at 1954. (Park-HI 1/2)
- 9900 EGYPT R. Cairo 1800-2010 AR/IT/GM/FR(?), various mx selects. world news, pgm features, tlks. jazzy mx. (Jordan 12/20)
- 9930 N. KOREA R. Pyongyang 1915 KR. M w/angry talk on Taiwan. new frequency? lite QRN, local QRM. (Park-HI 1/6)
- 9930t CLAND. LV del Cid 1240-1257 SP. tik about Cuba. YL at 1243 w/cmnty on C.Am. countries. (Dillon-NC 12/23)
- 9940 CLAND. R. Camilo Cienfuego 0800-0805\* SP. ID Cadena Radial LV de Cid. end pgm "para Cubanos en Angola" (Kashiwabara-CA 12/6)
- 9955 TAIWAN VOFC 2236 EG. CH vocal mx w/W anc. (Thunberg-PA 12/11)
- 10000 JAPAN JJJ 0727. Time pips. Morse code. under WWV (Schanke 1/2)
- 11580 USA VOA 0149 EG. college football talks. (Schanke 1/1)
- 11490 CLAND. Voice of Unity 1553-1629\* Dari. fair sig w/talk by OM. mention Jihad Mujahedin/Afghanistan. s/off 1629 (Rigas-IL 12/25)

Looks like 31 meters was well covered this time. Some good loggings were sent in. On some, the details were rather slim, also please write as legible as possible, had some trouble with a few of them. Thanks.....

*JF*

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- FOR SALE -- ALL ITEMS SHIPPED UPS INSURED -- SERIOUS offers considered !
- KENWOOD R2000 modified by Universal Shortwave for 1.9khz Collins Mechanical filter and RIT option. Excellent condition with Orig. Box and Manual. Sell for \$625.
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- KENWOOD TR7850 Two Meter Amateur Transciever, 15 Memory Channels, Freq. or Channel up/down control from Microphone. Fully Synthesized with DC Cable and Mobile Bracket also Factory Owner and Repair Manuals included. Very Good condition. Sell for \$195.
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# LOG REPORT

## section D

### 11700 and above

Editor: Wallace C. Treibel, 357 N.E. 149 St., Seattle, WA 98155

- 11700 DOMINICAN REPUBLIC R. Clarin in SP 1809, ID's, LA mx, p (Kashiwabara CA 12/8)  
in SP 0435, Carib vocals (D'Angelo PA) in SP 2105 nx, pop mx, QTH, p (Jordan PA)
- 11710 ARGENTINA RAE in EG 0145, M annr w/ID (Schanke WI 1/1) Program details?
- 11734 ZANZIBAR RTZ in SH 1738, local mx, nx items (Tuchscherer WI 12/30)
- 11745 BRAZIL RN do Brazil in EG 0200, IS, ID, sked, sports, Braz mx, tlks on Cen AM,  
rock mx, f (Dillon MD 12/14) also in EG 0203, vocals in PT, g (Bonnet IN 12/5)
- 11770nf? USSR RS Rodina in RS 1400, IS, ID, brief tlk, opera & choir mx (Neide OH 12/29)
- 11775 ANTIGUA BBC relay in EG 1201, cmtry re fire in Puerto Rico, vg (Schanke WI 1/1)
- 11785 BRAZIL R. Guaiba in PT 0230, ezl LA mx non-stop, ID 0248 (Dickson OH 12/4)
- 11790 USSR R. Moscow (Komsomolsk) in EG 0400, ID, nx, "Outlook", f (Sampson WI 12/6)
- 11790 FRANCE RFI in FR 0014, YL conducting interview w M, f (Schanke WI 12/30)
- 11800 PAKISTAN RP in Gujrat? 0358, long IS & ID, "Typewriter" theme mx, nx (Park HI)
- 11805 BRAZIL R. Globo in PT 0235, ID, ad (Burnell NF) mx sels 0011 (Schanke WI 12/30)
- 11805 TURKEY VOT in EG 1353, vocals, ID & 1356\*, back at 1357 in TK? (Thunberg PA 1/6)
- 11810 SEYCHELLES FEBA in SH \*0310, vibraphone IS, ID's, relig pgm, p (Park HI 12/29)
- 11815 NETHERLAND ANTILLES TWR in EG 1202, Bible readings, vg (Schanke WI 1/1)
- 11825 SOCIETY IS. Tahiti in FR/TT 0242, vocals, "Silent Night" in EG (Bonnet IN 12/20)
- 11835 URUGUAY R. El Espectador in SP 0128, vocals, ID 0130, ads, p (D'Angelo PA 12/10)  
ballads at 2320, many ads, nx 2332, ID, f (Burnell NF 11/11)
- 11840 CUBA R. Moscow (Havana relay) in EG 1740, interviews, features (Jordan PA 12/24)
- 11850 NORWAY RNI in EG 1700, s/on w/freqs, nx, tlks, g (Laskowski IN 12/21)
- 11860 USSR R. Vilnius in EG 2302, nx, tlks on Lith Xmas customs, mailbag (Park HI)
- 11860 ASCENSION IS. BBC relay in EG 0830, nx, tlks, "Africa Blueprint", g (Schanke WI)
- 11865 SEYCHELLES FEBA in FS 0320, sermon, relig vocals, ID, IS, f (D'Angelo PA 12/7)
- 11870nf? LAOS Vientiane in FR 1100, NA, brief mx, nx, beam to Europe (Schulze W.Ger 12/7)
- 11895 IRAN(t) VOIRI in FS 1215, ment Teheran & Iran, not //15084, no ID (Dillon MD)
- 11900 SOUTH AFRICA RSA in PT 1941, tlk, pgm ended 1954, then into FR (Laskowski IN)
- 11920 EAST GERMANY RVI in EG \*1330, IS, sked, world nx, SE Asia beam (Thunberg PA 1/6)
- 11920 IVORY COAST RTI Ivouirienne in FR 2005, ID, sports actualities (Burnell NF 11/15)
- 11945 FINLAND RF in EG 1259, IS, ID, "Compass North", Finnish nx, vg (Dillon MD 12/20)  
also in EG 1221, tlk re jobs & taxes, pgm sked, IS 1224, into FN (Hollerman AL)
- 11955 UNITED ARAB EMIRATES R. Dubai in EG 1635, nx, ID (Uerlings 12/25)
- 11955 ANGOLA V of Namibia in EG 1635, tlk, ID, "Feeling Groovy" mx (Uerlings 12/24)  
ED: Uerlings reports no sign of Angola this freq on 12/25 (see UAE log above)
- 11960 CANADA RCI in EG 2121, "SWLers Digest" incl L. Magne rpt, p (Park HI 12/13)
- 11995 FRANCE RFI in RM \*1559, IS, ID, tlks, f (Bobb MN 12/16)
- 12080 ISRAEL Kol Israel in EG 1117, interviews, g (Kashiwabara CA 12/19)
- 12085 SYRIA R. Damascus in AR 1542, tlk, chants (Uerlings 12/30) in EG 2006, nx, into  
Mid-East mx w/slow percussion & wind instruments, p (Jordan PA 12/26)
- 12095 UNITED KINGDOM BBC in EG 1433, "Outlook", ID (Sampson WI 12/18, Schanke WI)
- 13600 IRAQ R. Baghdad in AR 1405, recitations, reedy AR instruments w/slo percussions,  
ID 1415, tlks by deep-voiced M, f-p (Jordan PA 12/24)
- 13790 USSR R. Moscow in EG 1300, nx, intl ice hockey tournament (Sampson WI 12/16)
- 14398LSB USA VOA Delano feeder in EG 0207, "Newsline", f (Park HI 12/29)
- 15045 DOMINICAN REPUBLIC R. Discovery in SP/EG 1932, test xmsn, Xmas mx, ID's, address  
for recp rpts, f (Kashiwabara CA) in SP 2125, nx?, time tones 2130, upbeat mx,  
(Jordan PA 12/23) in EG/SP 1935 w/pop mx, DX pgm (Hill MA) ED: All rpt f-p recpt
- 15070 UNITED KINGDOM BBC in EG 1355, relig mx, nx, carols (Dillon NC, Schanke WI)
- 15125 SPAIN REE in SP 2040, interviews, SP pop mx, guitar sels, nx, ID's (Jordan PA)  
ED: Jordan rpts that REE is still on this freq, not on 15130 as rptd elsewhere.
- 15145 GUAM KTWB in EG 0435, special Xmas bcst, relig mx, QSL cert offer (Park HI)
- 15170 TAHITI Papeete in FR 0207, M DJ w/mx sels & YL guest, f (Park HI 12/15)
- 15185 SOUTH AFRICA RSA in EG \*1654, IS, ID, g (Hollerman AL) ED: Pgm details?
- 15195 FRANCE RFI in FR 1936, interview of correspondent, p (Schanke WI 12/30)
- 15200 GABON Africa #1 in FR/EG 1500, cigarette ad in EG, nx, mx (Neide OH 12/29) also  
in FR/EG 0900, nx in both langs, Afro pop mx, f (Hill MA 1/4)
- 15200 NETHERLAND ANTILLES TWR Bonaire in EG 1413, IS, ID, Xmas greetings (Neide OH)
- 15200 BRAZIL RN da Amazonia in PT 2002, nx & rpts from correspondents (Schanke WI)
- 15205 ALGERIA(t) V. of Palestine relay in AR 1700, prayer chant, AR recitations 1659,  
time tone 1700, into nx?, AR mx sels, chants, NA? 1725, p (Jordan PA 12/20)

- 15225nf GUAM KTWR Agana in EG 2132, "Special Xmas Bcast", Bible readings (Park HI 12/23)  
 15250 PORTUGAL RP in EG 1740, ID, medieval Xmas mx, p (Kashiwabara CA 12/25)  
 15260 CANADA BFC relay in EG 1628, Xmas pgms, carols (Nelson ND 12/24)  
 15265 QATAR(p) QBS(t) in AR 0212, Qu'ran reading, ID(?), folk mx, p (Park HI 12/22)  
 15270 ECUADOR HCJB Quito in EG 2128, Xmas mx, ID, freqs, DX pgm (Nelson ND 12/24)  
 15290 PHILIPPINE IS. VOA relay in EG 2332, "VOA Saturday Morning" (Park HI 1/2)  
 15300 CUBA RHC in EG 2105, Cuban mx, co-chan QRM RFI, Guiana relay (Dillon MD 12/13)  
 15300 FRANCE RFI in FR 2024, playing various mx sels, vp (Schanke WI 12/30)  
 15320 AUSTRALIA RA in EG 0355, pop mx, ID, Int'l rpt (Hill MA 1/1, Schanke WI 12/21)  
 15320 AUSTRIA RAI in EG 1230, tlk about famous film director (Warner 12/13)  
 15325 CANADA RCI in EG 2130, DX pgm (Park HI) tlk re dog sledding (Schanke WI 12/30)  
 15335 MOROCCO RTVM in AR 1445, AR mx (Copp 12/20) in AR 1900, nx, AR recitations until 1910, AR instr mx, mournful prayer chants to 1928, tlks, ID, p (Jordan PA 1/1)  
 15345 ARGENTINA RAE in FR 1930, multi-lang ID's, ezl mx, nx on hr (Jordan PA 1/1)  
 15350 LUXEMBOURG RTL in FR 1650, pop mx, many ads, tlks, f (Kashiwabara CA 12/21)  
 15380 AUSTRALIA RA in Thai 2305, ID, nx incl mention of Hanoi (Thunberg PA 12/18)  
 15425 AUSTRALIA ABC Perth in EG, nx, time pips 0700, ID, f/o 0130, p (Schanke WI)  
 15460 COSTA RICA R. Mundial Adventista in SP 1721, relig tlks, vocals, ID's, xmtr problems, g (Kashiwabara CA 12/13)  
 15475 GABON Africa #1 in EG/FR 1929, R. Freedom pgm—drama, mx (Paszkievicz WI 12/20)  
 15505 KUWAIT R. Kuwait in AR 1324, local mx (Warner 12/13) Any ID?  
 15575 SOUTH KOREA RK in EG 0004, nx, cmtry on Olympics in Seoul (Jones, Levison PA)  
 15580 BELGIUM BRT in EG 1330, world mx, press review, sports, f (Dillon NC 12/23)  
 15762 USSR R. Moscow hrd on this freq in EG 1712. Reporter received a note from RM stating that they will not QSL this freq as they do not broadcast on it (Levison PA) ED: Presumably this freq must be a feeder xmsn.  
 17595 MOROCCO RTVM in AR 1519, AR mx, call-in show, pips 1600, ID, nx (Dillon NC)  
 17705 NEW ZEALAND RNZ in EG 2350, pop mx, classics, nx, ID, pipe (Park HI 12/27)  
 17740 PHILIPPINE IS. VOA relay in EG 2334, rpt on nuke power plant in Mich (Park HI)  
 17745 EGYPT R. Cairo in AR 1330, nx?, tlks on Iran, Iraq, AR vocals, f (Jordan PA)  
 17790 ECUADOR HCJB Quito in GM 2105, vocals in GM, ID in EG (Bonnet IN 12/19)  
 17815 BRAZIL R. Cultura in PT 2120, Xmas & semi-classical mx, g (Dickson OH 12/24)  
 17810 ANTIGUA Deut. Welle relay in GM 2055, nx, g (Schanke WI 1/2)  
 17845 FRANCE RFI in FR 1240, man conducting interview, f (Schanke WI 12/26)  
 17870 LIBERIA VOA relay Monrovia in EG 1837, tlk on Chernobyl accident (Schanke 12/30)  
 17880 USSR R. Stantsiya Rodina in RS \*1400, time pips, ID, nx, pop mx (Thunberg PA)  
 21575 SPAIN REE in SP 1400, nx, mx sels, interview, ID, political tlk, g (Jordan PA)

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 Please note that loggings listed in the previous month's issue are not repeated here. Also VOA, AFRIS, or other stateide transmissions are not listed unless the reporter has some unusual information to report, such as a frequency change, new station etc. Thanks again to those reporters who take the trouble to arrange their loggings in frequency order.  
 \*\*\*\*\*

WANTED: Postcards (not QSL cards unless they are postcards) which display/feature the picture, call-sign, and/or logo of domestic or foreign radio stations (past or present) relating to AM, FM, SW, or costal wireless stations, or similarly related areas. Also promo cards for radio manufacturers, e.g., Hammarlund, Hallicrafters, Atwater-Kent, etc. Please do NOT send cards. Would appreciate a list of what you have and the asking price. Mike Hardester, P.O. Box 119, North Versailles, PA 15137-0119.

FOR SALE: Yaesu FRT-7700 antenna tuner in good condition, \$30,00. Hallicrafters S-38B in fair condition, \$30,00. I ship. Steven R. Lare, 824 West 25th Street, Holland, MI 49423.

WANTED: Kenwood R-600 receiver in mint condition mechanically and cosmetically. Must be unmodified. Rick Krzemien, 550-A North Civic Drive, Walnut Creek, CA 94596-3250. Phone (415) 944-9589 after 8pm EST.

WANTED: Lafayette HA-63 and Hallicrafters SX-130 receivers in reasonable condition. Tom Daly, 18 Phyllis Drive, Pomona, NY 10970.

WANTED: Hard copy of the first edition of Hank Bennet's "Complete SW Listeners Handbook" (blue cover). Also old WRTHs. Write with info and asking prices to Tom McElvy, P.O. Box 9645, Norfolk, VA 23505-0645.

The Marketplace Report is published monthly in the ANARC NEWSLETTER by the ANARC DX Equipment Information Committee, P.O. Box 161, Station A, Willowdale, Ontario M2N 5S8, Canada: Harold Sellers, Chairman. News and information on equipment, companies and services of interest to radio listening enthusiasts is presented and contributions of such, from readers, are welcome.

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### New Zealand Shortwave Antenna

Pictured here is a sketch of the Tricity House Supreme Listener, a Wide Band Shortwave Listening Antenna. Tricity House, a New Zealand-based manufacturer, says that the design is based upon Amateur mobile transmitting antennas, with each of five elements being resonant on a shortwave band. Each element is helically wound on a tapered fibreglass rod. The antenna may be mounted on any out-of-doors support and connected to the receiver via coaxial cable.

Specifications are:

Bands Covered - 49,41,31,25,19,16,13 meters

Feed Impedance - 50 ohms

Assembled Height - 3 meters approx.

Mount diameter - up to 28 mm

The "Supreme Listener" may be ordered from Tricity House Ltd., P.O. Box 1410, Christchurch, New Zealand. The price is NZ\$136.20 plus NZ\$32.00 for shipping to North America via Air Post.

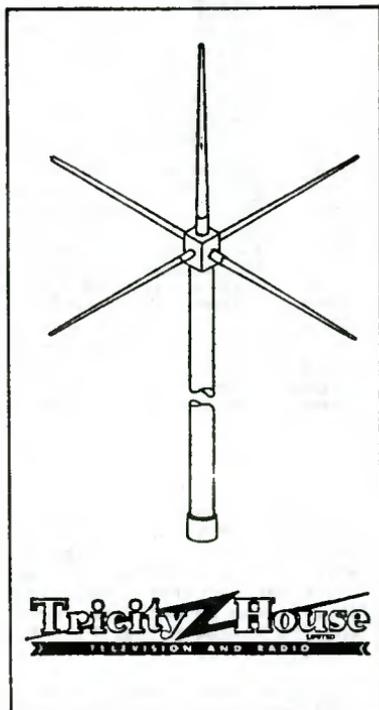
Reviews of this antenna would be appreciated by ANARC.

### Various Notes

Japan Radio NRD-525 : A modified version of this new receiver has been issued by J.R.C. The NRD-525U allows the choice of faster tuning speeds. By depressing the "Run" switch the pushbutton tuning increases to steps of 10 kHz vs 1 kHz otherwise, while the tuning dial changes to 20 kHz per revolution vs 2 kHz. There may have also been a change made to the SSB frequency offset, but this is not yet confirmed by us. (Thanks to Media Network, Gilfer Shortwave, Fred Osterman of Universal shortwave.)

The Kenwood R-5000 is now available at United States dealers for a list price of US\$899.95. Universal shortwave is selling it for US\$789.95. Options are extra.

Philips D-2935 Receiver : Since September, all European production of this receiver has had the initial 6 kHz filter replaced by a narrower 3 kHz bandwidth filter. Buyers should check which version they are getting, by consulting the manual. (Radio Netherlands Media Network)



# DXing WITH AN ICF-2010 or ICF-2002 ? AUTOMATE YOUR CASSETTE RECORDER WITH THE CC-2020 CASSETTE CONTROLLER.

Until now there hasn't been any provision for connecting the 2010's timer to a cassette recorder for automated recording. **NOW THERE IS!!!** Using the CC-2020, with either a 2010 or 2002, gives you the flexibility of automated SW cassette recording.

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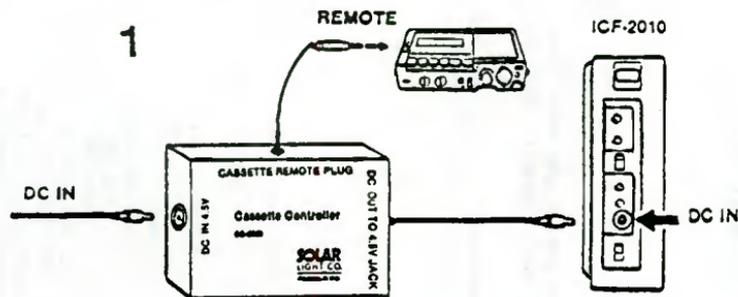
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